



FINAL

26 APRIL 2013

2012 Institutional Controls Site Inspection Report

Operable Units A and B-1

Former Naval Complex

Adak, Alaska

Department of the Navy

Naval Facilities Engineering Command Northwest

1101 Tautog Circle, Suite 203

Silverdale, WA 98315-1101



CONTRACT NO. N44255-09-D-4005
LTM/O / TASK ORDER 55

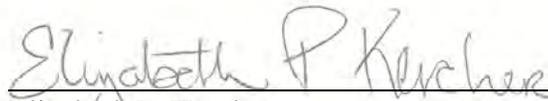
FINAL
2012 INSTITUTIONAL CONTROLS SITE INSPECTION REPORT
OPERABLE UNITS A AND B-1

FORMER NAVAL COMPLEX
ADAK, ALASKA

APRIL 26, 2013

SEALASKA ENVIRONMENTAL SERVICES, LLC
POULSBO, WASHINGTON

Prepared by:



Elizabeth P. Kercher
Staff Scientist

Reviewed by:



Annette Franzen
Task Order Manager

CONTENTS

1.	INTRODUCTION	1-1
1.1	SITE HISTORY AND BACKGROUND	1-1
1.2	PURPOSE AND SCOPE	1-3
2.	INSTITUTIONAL CONTROL SITE INSPECTIONS, DOWNTOWN AREA	2-1
2.1	DOWNTOWN AREA GROUNDWATER	2-1
2.2	DOWNTOWN AREA CERCLA SITES (EXCEPT LANDFILLS)	2-1
2.2.1	SWMU 10, Old Baler Building	2-2
2.2.2	SWMU 14, Old Pesticide Disposal Area	2-3
2.2.3	SWMU 15, Future Jobs/Defense Reutilization Marketing Office	2-4
2.2.4	SWMU 16, Former Firefighting Training Area	2-8
2.2.5	SWMU 17, Power Plant No. 3 Area	2-9
2.2.6	SWMU 55, Public Works Transportation Department Waste Storage Area	2-12
2.2.7	SA 76, Old Line Shed Building	2-15
2.2.8	Downtown Area Water Bodies	2-16
2.3	DOWNTOWN AREA LANDFILLS	2-17
2.3.1	SWMU 13, Metals Landfill	2-18
2.3.2	SWMU 25, Roberts Landfill	2-21
2.4	DOWNTOWN AREA RCRA CLOSURE SITES	2-28
2.4.1	SWMU 24, Hazardous Waste Storage Facility	2-28
2.4.2	SA 77, Fuels Facility Refueling Dock, Small Drum Storage Area	2-29
2.5	DOWNTOWN AREA PETROLEUM SITES	2-31
2.5.1	Monitored Natural Attenuation Petroleum Sites	2-31
2.5.2	Free Product Recovery Petroleum Sites	2-40
3.	INSTITUTIONAL CONTROL SITE INSPECTIONS AT OU A REMOTE AREA SITES	3-1
3.1	REMOTE AREA CERCLA SITES (EXCEPT LANDFILLS)	3-1
3.1.1	SWMU 20, White Alice/Trout Creek Disposal Area	3-2
3.1.2	SWMU 21A, White Alice Upper Quarry	3-3
3.1.3	SWMU 23, Heart Lake Drum Disposal Area	3-4
3.1.4	SWMUs 52, 53, and 59, Former LORAN Station	3-5
3.1.5	SWMU 67, White Alice PCB Spill Area	3-6
3.2	REMOTE AREA LANDFILLS	3-7
3.2.1	SWMU 2, Causeway Landfill	3-8
3.2.2	SWMU 4, South Davis Road Landfill	3-9
3.2.3	SWMU 11, Palisades Landfill	3-11
3.2.4	SWMU 18, South Sector Drum Disposal Area and SWMU 19, Quarry Metal Disposal Area (White Alice Landfill)	3-14
3.2.5	SWMU 29, Finger Bay Landfill	3-18
3.3	REMOTE AREA PETROLEUM SITES	3-21

CONTENTS (continued)

3.3.1	Antenna Field, USTs ANT-1, ANT-2, ANT-3, and ANT-4	3-22
3.3.2	Boy Scout Camp, West Haven Lake, UST BS-1	3-23
3.3.3	Finger Bay Quonset Hut, UST FBQH-1	3-24
3.3.4	MAUW Compound, UST 24000A	3-25
3.3.5	Mount Moffett Power Plant 5, USTs 10547 through 10577	3-26
3.3.6	SWMU 58/SA 73, Heating Plant 6	3-27
3.3.7	SA 78, Old Transportation Building, USTs 10583, 10584, and ASTs	3-28
3.3.8	SA 82, P-80/P-81 Buildings, USTs 10579, 10587, and AST 10333	3-29
3.3.9	SA 88, P-70 Energy Generator, UST 10578	3-30
3.4	ADAK ISLAND ORDNANCE SITES	3-31
4.	GENERAL INSPECTIONS	4-1
4.1	IC EXCAVATION NOTIFICATIONS	4-1
4.2	ABSOLUTE EXCAVATION PROHIBITION	4-2
5.	INSTITUTIONAL CONTROL EDUCATION EVALUATIONS	5-1
5.1	EDUCATION PROGRAM	5-1
5.2	ORDNANCE AWARENESS	5-1
5.3	SURVEYS	5-3
6.	SUMMARY AND RECOMMENDATIONS	6-1
7.	REFERENCES	7-1

APPENDICES

APPENDIX A	INSTITUTIONAL CONTROL INSPECTION LOGBOOK (PROVIDED ON CD)
APPENDIX B	INSPECTION CHECKLISTS AND SURVEY FORMS
APPENDIX C	PHOTOGRAPHS (PROVIDED ON CD)
APPENDIX D	MAP DISTRIBUTION LOG
APPENDIX E	AIRPORT UXO DVD RUN LOG
APPENDIX F	INSTITUTIONAL CONTROL SITE BOUNDARY MAPS (PROVIDED ON CD)
APPENDIX G	RESPONSE TO REGULATOR COMMENTS

CONTENTS (continued)

FIGURES

Figure 1-1.	Adak Location Map	1-2
Figure 1-2.	Location of Institutional Control Sites on Adak Island	1-13
Figure 1-3.	Location of Institutional Control Sites in the Downtown Area, Adak Island	1-15
Figure 2-1.	SWMU 15, Future Jobs/Defense Reutilization Marketing Office	2-7
Figure 2-2.	SWMU 17, Power Plant 3 Area	2-11
Figure 2-3.	SWMU 55, Public Works Transportation Department Waste Storage Area and SWMU 24, Hazardous Waste Storage Facility	2-14
Figure 2-4.	SWMU 13, Metals Landfill	2-20
Figure 2-5.	SWMU 25, Roberts Landfill	2-24
Figure 2-6.	NMCB Building Area	2-44
Figure 2-7.	SWMU 62, New Housing Fuel Leak Area	2-49
Figure 3-1.	SWMU 4, South Davis Road Landfill	3-10
Figure 3-2.	SWMU 11, Palisades Landfill	3-13
Figure 3-3.	SWMU 18/19 White Alice Landfill	3-17
Figure 3-5.	Parcel 4	3-35

TABLES

Table 1-1.	Summary of Institutional Controls Required for Adak Sites	1-6
Table 1-2.	Summary of Inspection Forms Completed at Institutional Controls Sites	1-10
Table 4-1	Excavation Notification Requests Submitted September 2011 through September 2012	4-1
Table 5-1.	Educational Awareness Results	5-5
Table 6-1.	Summary of Conditions and Recommendation at Adak Institutional Control Sites	6-11

CONTENTS (continued)

PHOTOGRAPHS

Photograph 2-1.	SWMU 10, Old Baler Building	2-3
Photograph 2-2.	SWMU 14, Old Pesticide Disposal Area	2-4
Photograph 2-3.	SWMU 15, Future Jobs/Defense Reutilization Marketing Office – looking northeast	2-5
Photograph 2-4.	SWMU 15, Future Jobs/Defense Reutilization Marketing Office - looking west	2-6
Photograph 2-5.	SWMU 16, Former Firefighting Training Area	2-8
Photograph 2-6.	SWMU 17, Power Plant No. 3 Area	2-9
Photograph 2-7.	SWMU 55, Public Works Transportation Department Waste Storage Area – overview north of Recycling Center	2-12
Photograph 2-8.	SWMU 55, Public Works Transportation Department Waste Storage Area	2-13
Photograph 2-9.	SA 76, Old Line Shed Building	2-15
Photograph 2-10.	Sweeper Cove	2-16
Photograph 2-11.	Kuluk Bay	2-17
Photograph 2-12.	SWMU 13, Metals Landfill – looking south	2-18
Photograph 2-13.	SWMU 13, Metals Landfill – looking northwest	2-19
Photograph 2-14.	SWMU 25, Roberts Landfill – central portion of landfill	2-22
Photograph 2-15.	SWMU 25, Roberts Landfill – looking northwest	2-23
Photograph 2-16.	SWMU 25, Roberts Landfill – looking southeast	2-25
Photograph 2-17.	SWMU 25, Roberts Landfill – looking northeast	2-26
Photograph 2-18.	SWMU 24, Hazardous Waste Storage Facility – looking south	2-29
Photograph 2-19.	SA 77, Small Drum Storage Area	2-30
Photograph 2-20.	Amulet Housing, Well AMW-706– looking northeast	2-32
Photograph 2-21.	Amulet Housing, Well AMW-709 – looking southeast	2-33
Photograph 2-22.	Former Power Plant Building T-1451	2-34
Photograph 2-23.	ROICC Contractor’s Area	2-35
Photograph 2-24.	Runway 5-23, Avgas Valve Pit	2-36
Photograph 2-25.	SA 79, Main Road Pipeline	2-37
Photograph 2-26.	SWMU 60, Tank Farm A	2-38
Photograph 2-27.	SWMU 61, Tank Farm B	2-39
Photograph 2-28.	Housing Area (Arctic Acres)	2-40

CONTENTS (continued)

Photograph 2-29.	GCI Compound (UST GCI-1)	2-41
Photograph 2-30.	NMCB Building Area	2-43
Photograph 2-31.	NORPAC Hill Seep Area	2-45
Photograph 2-32.	SA 80, Steam Plant 4	2-46
Photograph 2-33.	SWMU 62, New Housing Fuel Leak	2-47
Photograph 2-34.	South of Runway 18-36	2-50
Photograph 2-35.	Tanker Shed UST 42494	2-51
Photograph 2-36.	Yakutat Hanger	2-52
Photograph 3-1.	SWMU 20, White Alice/Trout Creek Disposal Area	3-2
Photograph 3-2.	SWMU 21A, White Alice Upper Quarry	3-3
Photograph 3-3.	SWMU 23, Heart Lake Drum Disposal	3-4
Photograph 3-4.	SWMUs 52, 53, and 59, Former LORAN Station	3-5
Photograph 3-6.	SWMU 2, Causeway Landfill	3-8
Photograph 3-8.	SWMU 11, Palisades Landfill	3-11
Photograph 3-9.	SWMUs 18 and 19, White Alice Landfill – looking north	3-15
Photograph 3-10.	SWMUs 18 and 19 White Alice Landfill – looking southeast	3-16
Photograph 3-11.	SWMU 29, Finger Bay Landfill – ponded water	3-18
Photograph 3-12.	SWMU 29, Finger Bay Landfill – looking west	3-19
Photograph 3-13.	Antenna Field	3-22
Photograph 3-14.	Boy Scout Camp	3-23
Photograph 3-15.	Finger Bay Quonset Hut	3-24
Photograph 3-16.	MAUW Compound	3-25
Photograph 3-17.	Mount Moffett Power Plant 5	3-26
Photograph 3-18.	SWMU 58 and SA 73, Heating Plant 6	3-27
Photograph 3-19.	SA 78, Old Transportation Building	3-29
Photograph 3-20.	SA 82, P-80/P-81 Buildings site	3-30
Photograph 3-21.	SA 88, Building P-70 Energy Generator, UST 10578 Site	3-31
Photograph 3-22.	SA 93, WWII Mortar Impact Area (Parcel 4) – looking southwest	3-32
Photograph 3-23.	SA 93, WWII Mortar Impact Area (Parcel 4) – looking west	3-33
Photograph 3-24.	SWMU 1, Andrew Lake Waste Ordnance Demolition Range (Parcel 4)	3-34

ACRONYMS AND ABBREVIATIONS

AAC	Alaska Administrative Code
ADEC	Alaska Department of Environmental Conservation
ARC	Adak Reuse Corporation
AST	aboveground storage tank
ATV	all-terrain vehicle
BRAC	Base Realignment and Closure Act
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CLEAN	Comprehensive Long-Term Environmental Action Navy
CMP	Comprehensive Monitoring Plan
COPC	chemical of potential concern
DOD	U.S. Department of Defense
DRMO	Defense Reutilization Marketing Office
DRO	diesel-range organics
EPA	U.S. Environmental Protection Agency
GCI	General Communications, Inc.
GEM	General Equipment Maintenance
IC	institutional control
ICMP	Institutional Control Management Plan
ICR	incremental cancer risk
JP-5	jet petroleum #5
LTM	long-term monitoring
LORAN	long-range navigation
LUC	land use controls
MAUW	Modified Advanced Underwater Weapons
MEC	munitions and explosives of concern
MLLW	mean lower low water
MMS	Minerals Management Service
NA	not applicable
NAVFAC	Naval Facilities Engineering Command
Navy	U.S. Navy
NFRAP	No Further Remedial Action Planned
NMCB	Naval Mobile Construction Battalion
NORPAC	North Pacific

ACRONYMS AND ABBREVIATIONS (continued)

NSGA	Naval Security Group Activity
OU	Operable Unit
PCB	polychlorinated biphenyl
PCE	perchloroethylene
RAB	Restoration Advisory Board
RCRA	Resource Conservation and Recovery Act
ROD	Record of Decision
ROICC	Resident Officer in Charge of Construction
SA	source area
SAERA	State Adak Environmental Restoration Agreement
Sealaska	Sealaska Environmental Services, LLC
SDSA	Small Drum Storage Area
SWMU	solid waste management unit
SVOCs	semi-volatile organic compounds
TAC	The Aleut Corporation
TCDD	tetrachlorodibenzo-p-dioxin
URS	URS Greiner, Inc.
USFWS	U.S. Fish and Wildlife Service
UST	underground storage tank
UXO	unexploded ordnance

1. INTRODUCTION

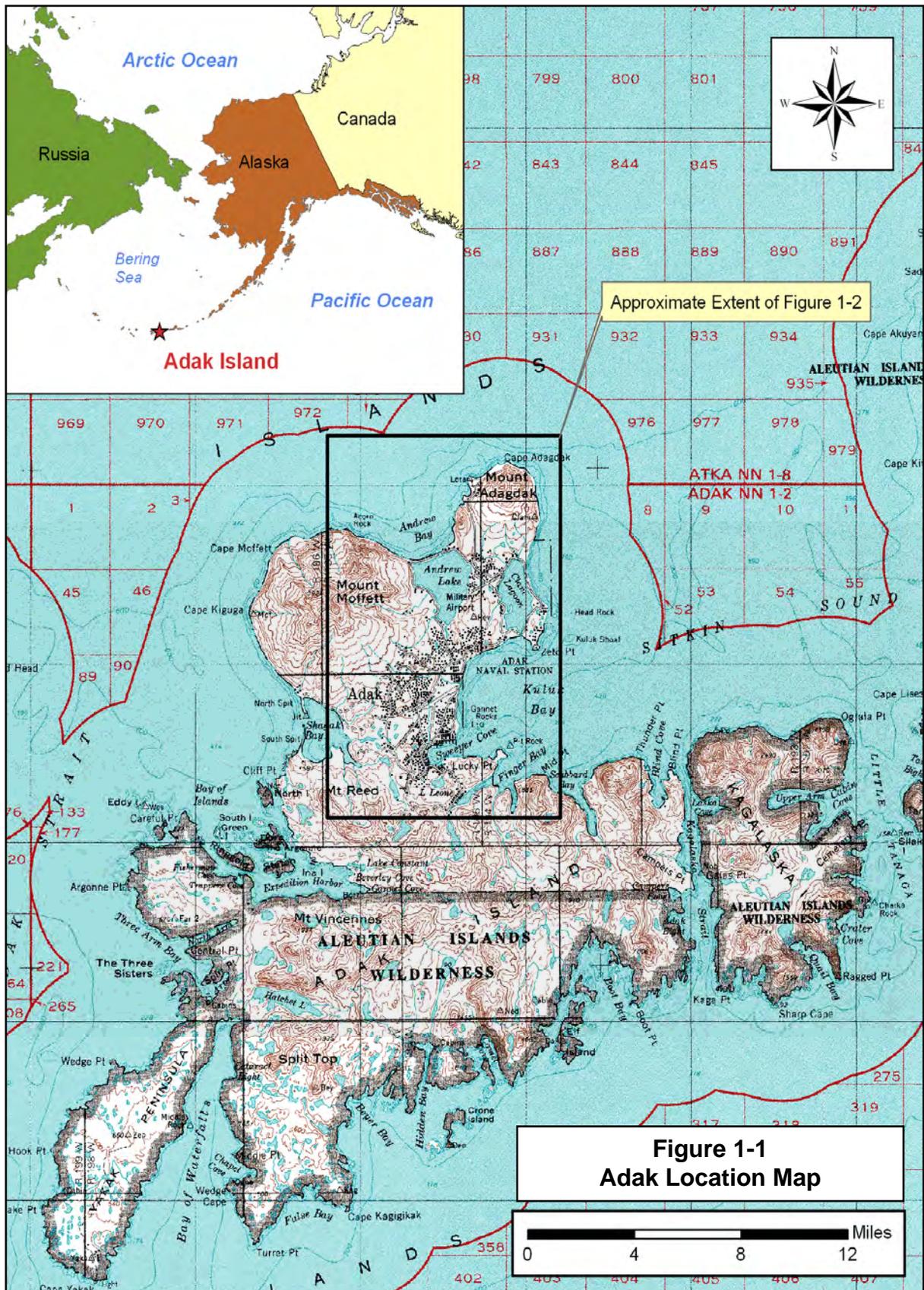
The U.S. Navy (Navy) is the lead agency, and the responsible party, for monitoring and ensuring the effectiveness of the institutional controls (ICs) selected in the Operable Unit (OU) A Record of Decision (ROD) and the OU B-1 ROD at the Former Naval Complex, Adak, Alaska. The Navy is required to conduct monitoring for as long as site conditions pose an unacceptable risk for unlimited use and unrestricted exposure. The ICs will remain in place until those conditions are met. If any of the ICs are ineffective or if significant failures pose harmful risks to the community and the environment, the Navy is responsible for additional remedial actions.

Because it has been shown that ICs have generally remained effective since 2005, reductions to the monitoring program are scheduled to begin in 2014. Nineteen sites have had periodic minor observable findings during annual IC inspections. Therefore, monitoring of ICs will be reduced to every even year for these sites. For the remaining 35 sites, very few or no findings have been observed since 2005; therefore, monitoring at these sites will be reduced to once every five years with IC inspections occurring in 2015 to coincide with the 5-year review process. These changes will be formalized in upcoming revisions to the ICMP prior to implementation.

1.1 SITE HISTORY AND BACKGROUND

The Former Naval Complex is located on Adak Island off the Alaskan mainland near the center of the Aleutian chain, approximately 1,200 miles west-southwest of Anchorage, Alaska (Figure 1-1). Its geographic position is 176° 45' W longitude and 51° 45' N latitude. With an area of 280 square miles, it is the largest of the Andreanof group of the Aleutian Islands.

Since 1913, Adak Island has been a federal wildlife refuge. Beginning in August 1942, the island was used for military activities. During and after World War II, Navy presence on Adak Island was officially recognized by Public Land Order 1949, dated August 19, 1959. The Public Land Order withdrew approximately 76,800 acres from the wildlife refuge at the northern portion of Adak Island, for use by the Navy for military purposes. In 1980, all of Adak Island was included within the Alaska Maritime National Wildlife Refuge established by Congress in the Alaska National Interest Lands Conservation Act, and the island remains part of that wildlife refuge. As a result of the historical practices of the U.S. Department of Defense (DOD) with regard to resource and waste management at military facilities on Adak Island, various areas on the island were contaminated with hazardous substances and petroleum. A number of environmental restoration programs were initiated as early as 1986 to address these contamination issues.



In October 1995, the closure of the former base became law under the Base Realignment and Closure (BRAC) Act. Since that time, environmental cleanup has been undertaken to facilitate a land exchange of a large portion of the Former Naval Complex between the U.S. Department of the Interior and The Aleut Corporation (TAC).

In September 2000, the Navy, U.S. Department of the Interior, TAC, and the Adak Reuse Corporation (ARC), signed a land exchange agreement “Agreement Concerning the Conveyance of Property at the Adak Naval Complex.” The agreement conveyed 47,271 acres of the Former Naval Complex to TAC in exchange for TAC’s relinquishment of similar acreage of prioritized, valid Alaska Native Claims Settlement Act surface and subsurface property. The transfer was finalized on March 17, 2004. ARC, a not-for-profit corporation representing a range of interests in the region, became the local redevelopment authority under the BRAC process.

Within the agreement, the Navy agreed to carry out all environmental remedial investigations and remedial actions required by the OU A and OU B RODs; the Federal Facility Agreement and State Adak Environmental Restoration Agreement (SAERA); and those required under applicable laws, including, but not limited to, the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

1.2 PURPOSE AND SCOPE

The purpose of this task order was to perform inspections at the Former Naval Complex Adak, Alaska, IC sites in accordance with the OU A ROD (Navy, U.S. Environmental Protection Agency [EPA], and Alaska Department of Environmental Conservation [ADEC] 2000), the OU A ROD Amendment (Navy 2003), the OU B-1 ROD (Navy 2001), and the Institutional Control Management Plan (ICMP) in Appendix D of the Comprehensive Monitoring Plan (CMP) Revision 5 (Navy 2012a). The inspections are intended to verify that ICs and engineering controls remain effective in protecting human health and the environment. Long-term environmental monitoring requirements (groundwater monitoring, product recovery, etc.) at these sites are also addressed in the CMP (Navy 2012a).

ICs are measures intended to prevent or reduce exposure to hazardous substances. The purpose of ICs is to verify compliance with the land use assumptions used in establishing cleanup levels for each of the sites. For Adak Island, the ICs have a layering effect to help achieve their effectiveness. The selected ICs include land use restrictions, groundwater restrictions, fish advisories, excavation notification, and reporting on land use control (LUC) maintenance. Land use restrictions in the form of an equitable servitude continue to be implemented after property is transferred.

CERCLA 121(c) requires 5-year site reviews where hazardous substances, pollutants, or contaminants remain at a site at levels prohibiting unlimited use and unrestricted exposure. These reviews, along with the annual IC inspections, are conducted to assess site conditions and the effectiveness of the ICs. The 5-year site reviews include evaluating the results of annual site monitoring; assessing the need for additional action or reduced monitoring requirements; and determining whether ICs are in place and effective or whether they can be removed. Also, because potential contamination of munitions and explosives of concern (MEC) may still exist on Adak Island, the effectiveness of the Institutional Controls Educational Awareness Program is evaluated as part of the 5-year review process; this evaluation ensures that final remedial actions for MEC and unexploded ordnance (UXO) continue to protect island residents and visitors. In addition, the Navy is committed to responding to any discovery of ordnance on Adak and any additional cleanup that is required.

ICs encompass a variety of engineered remedies to contain or reduce contamination as well as physical barriers intended to limit access to property. ICs at Adak Island include fences, signs, soil covers, and treatment systems. Locations of sites requiring ICs are shown on Figures 1-2 and 1-3. Required ICs at Adak sites are summarized in Table 1-1. Institutional Control Site Boundary Maps are presented in Appendix F.

The Navy prepared the ICMP of the CMP, Revision 5 that identified the approach that Sealaska Environmental Services, LLC (Sealaska) used to inspect the IC sites. The ICMP specifies site inspection procedures that provide a means to verify that the IC remedies selected in the ROD remain protective of human health and the environment over time. The inspections will be used to establish and record physical modifications to each of the IC sites, and they will provide a basis for recommendations for the frequency of future inspections. The Navy will initiate appropriate corrective actions based on deficiencies noted during the inspections. Sealaska personnel conducted on-the-ground inspections of the IC sites and surrounding areas from September 3 to September 11, 2012. Photographs taken during the IC inspections were date and time stamped.

The following activities were conducted during the inspections:

- Inspection of Downtown Area sites listed in Table 1-1;
- Inspection of Remote Area sites listed in Table 1-1;
- Inspection of the downtown area for evidence of domestic well use or installation;
- Review of IC excavation notifications on file with the Navy and the City of Adak that were processed between September 2011 and September 2012;

- Inspection of the operation of the UXO Awareness video at the airport; and
- Interview of on-island personnel regarding the recently revised Institutional Control Educational Awareness Program.

The visual inspections of all sites in the Downtown Area and Remote Areas were conducted using the same procedure. Each site was inspected by vehicle, on foot, or both depending on access and the size of the site. The inspections were visual in nature. Photographs and notes taken were documented in a field logbook and on inspection checklists. Both institutional and engineering controls were inspected at each site where applicable (see Table 1-1). For ICs, the current land use was noted, including any evidence of residential construction or other uses, soil excavations, or groundwater use. For engineering controls, the condition of soil covers was noted at landfill sites, including evidence of erosion or other integrity issues. Where applicable, the condition of existing fences and signs was also noted.

The Downtown Area was inspected for possible groundwater well installation or drilling activities not associated with remediation. This inspection was conducted by driving through the area during the IC inspection and during the extensive groundwater monitoring activities that were ongoing during the 2012 field event.

The processing of IC excavation notifications was evaluated for the period September 2011 to September 2012 to determine whether the notification program is occurring as outlined in the ICMP. Notifications are evaluated by the Navy to determine whether the proposed project is consistent with the land use assumptions in the applicable RODs.

Informal interviews were conducted regarding the UXO educational program and potential improvements. Interviews were conducted with residents and visitors to Adak. UXO awareness pamphlets were inspected at the U.S. Fish and Wildlife Service (USFWS) as well as the operation of the UXO Awareness video at the airport. These interviews and inspections were intended to determine whether the UXO educational program is functioning in accordance with the ICMP and applicable RODs.

A summary of the required IC inspection forms completed for each site at the Former Naval Complex are listed in Table 1-2. A copy of the IC inspection field logbook is presented in Appendix A. All site inspection forms, checklists, and educational evaluation forms are included in Appendix B. All site photographs are included in Appendix C by site and in date/time sequence order. Appendix D contains a copy of the USFWS log for UXO map distribution to visitors and residents throughout the year.

Table 1-1. Summary of Institutional Controls Required for Adak Sites

Site Name	Institutional Controls					Engineering Controls		Operations and Maintenance			
	Land Use Restrictions ¹	Equitable Servitude ²	Groundwater Restrictions ³	Soil Excavation Restrictions ⁴	Fishing Advisory ⁵	Signage	Fencing	Education ⁶	Site/Remedy Condition Inspections and Reporting ⁷	Sign Inspection ⁸	Soil Cover Inspections ⁹
CERCLA/RCRA Closure Downtown Area Sites											
SWMU 10, Old Baler Building	a1	X	X	d1		X			X	X	
SWMU 13, Metals Landfill**	a2	X	X	d2		X	X		X	X	X
SWMU 16, Former Firefighting Training Area	a1	X	X	d1		X			X	X	
SWMU 24, Hazardous Waste Storage Facility	a1	X	X	d1		X			X	X	
SWMU 25, Roberts Landfill	a2	X	X	d2		X	X		X	X	X
SWMU 55, Public Works Transportation Department Waste Storage Area	a1	X	X	d1		X			X	X	
SA 76, Old Line Shed Building	a1	X	X	d1		X			X	X	
SA 77, Fuels Facility Refueling Dock, Small Drum Storage Area	a1	X	X	d1		X			X	X	
Sweeper Cove					X			X	X		
Kuluk Bay					X			X	X		
Petroleum/CERCLA Downtown Area Sites											
SWMU 14, Old Pesticide Disposal Area*	a1	X	X	d1		X			X	X	
SWMU 15, Future Jobs/DRMO*	a1	X	X	d1		X			X	X	
SWMU 17, Power Plant 3 Area*	a1	X	X	d1		X			X	X	
Petroleum Downtown Area Sites											
Amulet Housing, Well AMW-706 Area	a1	X	X	d1		X			X	X	
Amulet Housing, Well AMW-709 Area	a1	X	X	d1		X			X	X	
Former Power Plant, Building T-1451	a1	X	X	d1		X			X	X	
GCI Compound, UST GCI-1	a1	X	X	d1		X			X	X	
Housing Area (Arctic Acres)	a1	X	X	d1		X			X	X	
NMCB Building Area, T-1416 Expanded Area	a1	X	X	d1		X			X	X	

Table 1-1. Summary of Institutional Controls Required for Adak Sites (continued)

Site Name	Institutional Controls					Engineering Controls		Operations and Maintenance			
	Land Use Restrictions ¹	Equitable Servitude ²	Groundwater Restrictions ³	Soil Excavation Restrictions ⁴	Fishing Advisory ⁵	Signage	Fencing	Education ⁶	Site/Remedy Condition Inspections and Reporting ⁷	Sign Inspection ⁸	Soil Cover Inspections ⁹
Petroleum Downtown Area Sites (cont.)											
NORPAC Hill Seep Area	a1	X	X	d1		X			X	X	
ROICC Contractor's Area (UST ROICC 7)	a1	X	X	d1		X			X	X	
ROICC Contractor's Area (UST ROICC 8)	a1	X	X	d1		X			X	X	
Runway 5-23 Avgas Valve Pit	a1	X	X	d1		X			X	X	
SA 79, Main Road Pipeline	a1	X	X	d1		X			X	X	
SA 80, Steam Plant 4, USTs 27089 and 27090	a1	X	X	d1		X			X	X	
South of Runway 18-36 Area	a1	X	X	d1		X			X	X	
SWMU 60, Tank Farm A	a1	X	X	d1		X			X	X	
SWMU 61, Tank Farm B	a1	X	X	d1		X			X	X	
SWMU 62, New Housing Fuel Leak	a3	X	X	d1		X			X	X	
Tanker Shed, UST 42494	a1	X	X	d1		X			X	X	
Yakutat Hangar, UST T-2039-A	a1	X	X	d1		X			X	X	
Downtown Area Groundwater			X	d1				X	X		
CERCLA Remote Area Sites											
SWMU 2, Causeway Landfill*	a2	X		d2		X			X	X	X
SWMU 4, South Davis Road Landfill*	a2	X		d2		X			X	X	X
SWMU 11, Palisades Landfill*	a2	X		d2		X			X	X	X
SWMU 18, South Sector Drum Disposal Area (White Alice Landfill) and SWMU 19, Quarry Metal Disposal Area (White Alice Landfill)*	a2	X		d2		X	X		X	X	X
SWMU 20, White Alice/Trout Creek Disposal Area	a1	X		d1		X			X	X	X
SWMU 21A, White Alice Upper Quarry	a2	X		d2		X			X	X	X
SWMU 23, Heart Lake Drum Disposal Area	a1	X		d1		X			X	X	X
SWMU 29, Finger Bay Landfill*	a2	X		d2		X			X	X	X
SWMUs 52, 53, and 59, Former LORAN Station	a1	X		d1		X			X	X	

Table 1-1. Summary of Institutional Controls Required for Adak Sites (continued)

Site Name	Institutional Controls					Engineering Controls		Operations and Maintenance			
	Land Use Restrictions ¹	Equitable Servitude ²	Groundwater Restrictions ³	Soil Excavation Restrictions ⁴	Fishing Advisory ⁵	Signage	Fencing	Education ⁶	Site/Remedy Condition Inspections and Reporting ⁷	Sign Inspection ⁸	Soil Cover Inspections ⁹
CERCLA Remote Area Sites (cont.)											
SWMU 67, White Alice PCB Spill Site	a1	X		d2		X			X	X	X
Petroleum Remote Area Sites											
Antenna Field, USTs ANT-1, ANT-2, ANT-3, and ANT-4	a1	X		d1		X			X	X	
Boy Scout Camp, West Haven Lake, UST BS-1	a1	X		d1		X				X	
Finger Bay Quonset Hut, UST FBQH-1	a1	X		d1		X				X	
MAUW Compound, UST 24000-A	a1	X		d1		X				X	
Mount Moffett Power Plant 5 (USTs 10574 through 10577)	a1	X		d1		X				X	
SWMU 58/SA 73, Heating Plant 6	a1	X		d1		X			X	X	
SA 78, Old Transportation Building USTs	a1	X		d1		X			X	X	
SA 82, P-80/P-81 Buildings	a1	X		d1		X			X	X	
SA 88, P-70 Energy Generator, UST 10578	a1	X		d1		X			X	X	
CERCLA Ordnance Sites											
Navy-Retained Land (Parcel 4)						X	X	X	X	X	

Table 1-1. Summary of Institutional Controls Required for Adak Sites (continued)

-
- ¹ Land Use Restrictions are required to ensure that the land will never be used in a way inconsistent with the land use assumptions set forth in the Adak Island RODs. Land use restrictions:
- a1: Commercial and Industrial
 - a2: Outdoor Recreational
 - a3: Residential
- ² Land use restrictions/prohibitions have been included in the Interim Conveyance.
- ³ Domestic Use of Groundwater is Restricted.
- ⁴ Excavation notification is required at all sites. Excavation is prohibited at the landfills and sites with a soil cover. Excavation Restrictions:
- d1: Excavation Notification is Required
 - d2: Excavation Absolutely Prohibited
- ⁵ Fishing advisory to recommend limiting subsistence consumption of bottom fish and mussels; fact sheets on the advisory are distributed to City of Adak residents.
- ⁶ Education Program (required for shellfish/fishery advisory and for ordnance hazards).
- ⁷ Visual inspection and reporting of institutional controls annually, or as necessary and appropriate. Assess the need to take additional action or to reduce controls, as appropriate. A review of these sites will be reported every five years. The downtown area groundwater is inspected by driving existing roads and looking for evidence of domestic wells in use.
- ⁸ Place and annually inspect signage for landfill hazards.
- ⁹ Annually inspect soil covers to ensure they remain intact.

Notes:

*CERCLA landfill closures

Table 1-2. Summary of Inspection Forms Completed at Institutional Controls Sites

Site Name	Non-Landfill Primary Inspection Checklist	Landfill Primary Inspection Checklist	Educational Survey	Navy-Retained Lands (Parcel 4) Primary Inspection Checklist
Petroleum Sites				
<i>Natural Attenuation Monitoring</i>				
Amulet Housing, Well AMW-706 Area	X			
Amulet Housing, Well AMW-709 Area	X			
Antenna Field, USTs ANT-1, ANT-2, ANT-3, and ANT-4	X			
Boy Scout Camp, West Haven Lake, UST BS-1***	X			
Finger Bay Quonset Hut, UST FBQH-1***	X			
Former Power Plant, Building T-1451	X			
Housing Area (Arctic Acres)	X			
MAUW Compound, UST 24000-A***	X			
ROICC Contractor's Area (UST ROICC-7)	X			
ROICC Contractor's Area (UST ROICC-8)	X			
Runway 5-23 Avgas Valve Pit	X			
SA 79, Main Road Pipeline	X			
SWMU 14, Old Pesticide Disposal Area*	X			
SWMU 15, Future Jobs/DRMO*	X			
SWMU 60, Tank Farm A	X			
SWMU 61, Tank Farm B	X			
<i>Petroleum Free Product</i>				
Downtown Area Groundwater*			X	
GCI Compound, UST GCI-1	X			
Mount Moffett Power Plant 5 (USTs 10574 through 10577)***	X			
NMCB Building Area, T-1416 Expanded Area	X			
NORPAC Hill Seep Area	X			
SWMU 58/SA 73, Heating Plant 6	X			
SA 78, Old Transportation Building USTs	X			
SA 80, Steam Plant 4, USTs 27089 and 27090	X			
SA 82, P-80/P-81 Buildings	X			
SA 88, P-70 Energy Generator, UST 10578	X			
SWMU 17, Power Plant 3 Area*	X			
SWMU 62, New Housing Fuel Leak	X			
South of Runway 18-36 Area	X			
Tanker Shed, UST 42494	X			
Yakutat Hangar, UST T-2039-A	X			
CERCLA Sites				
SWMU 10, Old Baler Building	X			
SWMU 14, Old Pesticide Disposal Area*	X			
SWMU 15, Future Jobs/DRMO*	X			
SWMU 16, Former Firefighting Training Area	X			
SWMU 17, Power Plant 3 Area*	X			

Table 1-2. Summary of Inspection Forms Completed at Institutional Controls Sites
 (continued)

Site Name	Non-Landfill Primary Inspection Checklist	Landfill Primary Inspection Checklist	Educational Survey	Navy-Retained Lands (Parcel 4) Primary Inspection Checklist
CERCLA Sites (continued)				
SWMU 20, White Alice/Trout Creek Disposal Area	X			
SWMU 21A, White Alice Upper Quarry	X			
SWMU 23, Heart Lake Drum Disposal Area	X			
SWMUs 52, 53, 59, Former LORAN Station	X			
SWMU 55, Public Works Transportation Department Waste Storage Area	X			
SWMU 67, White Alice PCB Spill Site	X			
SA 76, Old Line Shed Building	X			
Landfill Sites				
SWMU 2, Causeway Landfill**		X		
SWMU 4, South Davis Road Landfill**		X		
SWMU 11, Palisades Landfill**		X		
SWMU 13, Metals Landfill**		X		
SWMU 18, South Sector Drum Disposal Area (White Alice Landfill) and SWMU 19, Quarry Metal Disposal Area (White Alice Landfill)**		X		
SWMU 25, Roberts Landfill		X		
SWMU 29, Finger Bay Landfill**		X		
Fish Advisory Areas				
Sweeper Cove			X	
Kuluk Bay			X	
RCRA Sites				
SWMU 24, Hazardous Waste Storage Facility	X			
SA 77, Fuels Facility Refueling Dock, Small Drum Storage Area	X			
CERCLA Ordnance Sites				
Navy-Retained Land (Parcel 4)			X	X
<i>Notes:</i>				
*CERCLA and Petroleum Institutional Controls Apply				
**CERCLA Landfill Closure				
***Conditional Closure				

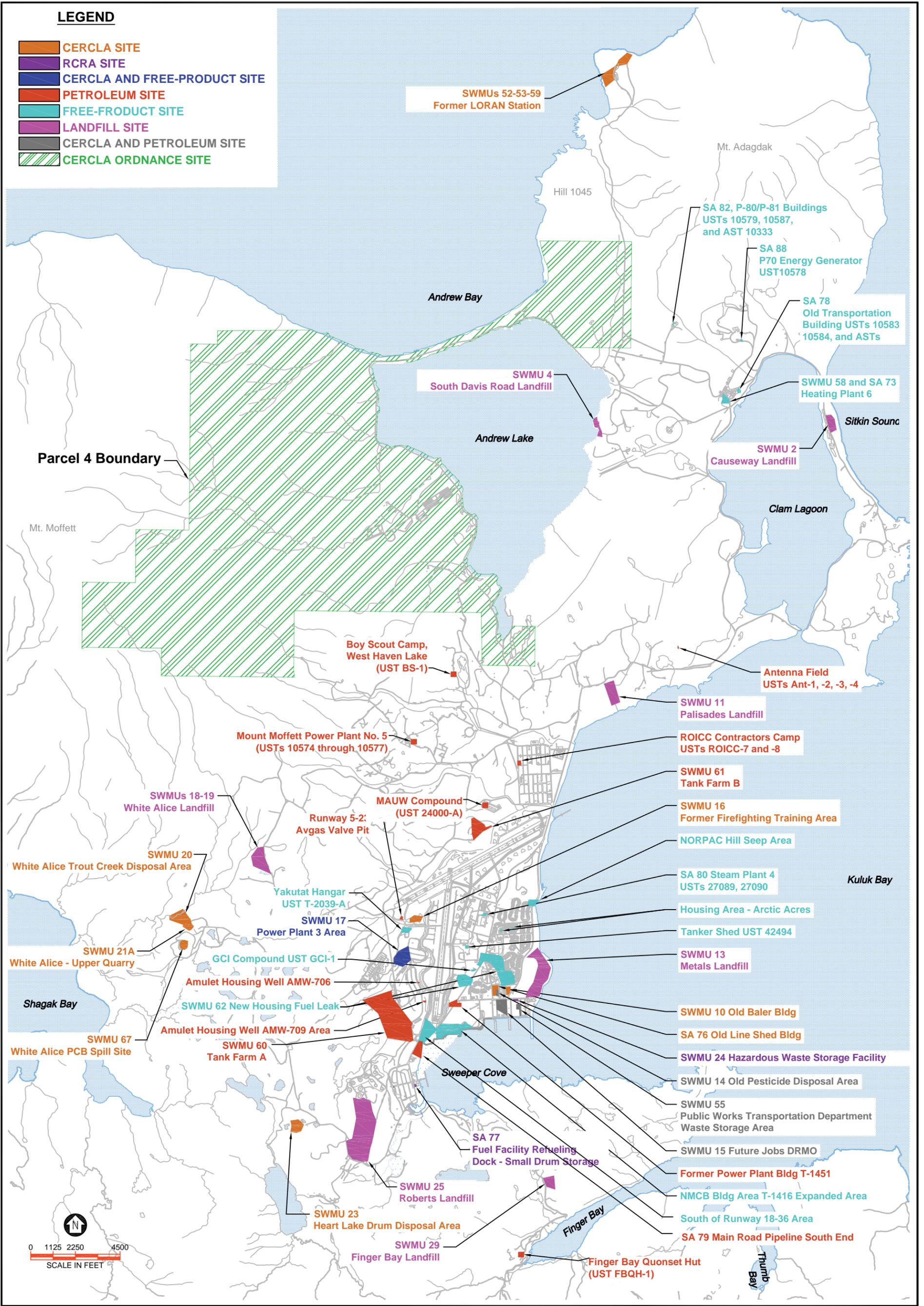
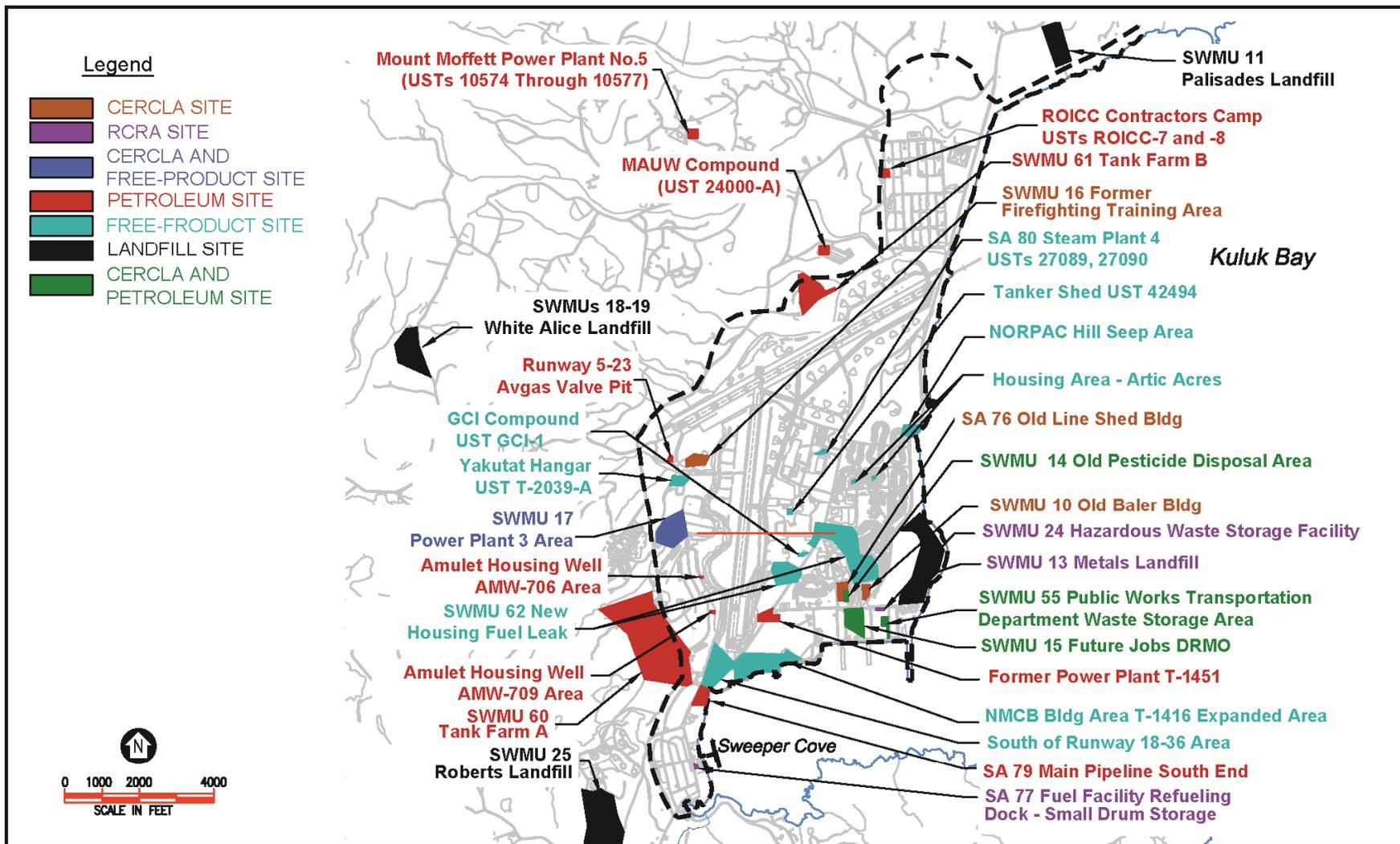


Figure 1-2
Location of Institutional Control
Sites on Adak Island

Task Order 55
Adak Island, AK
2012 IC
Inspection Report

U.S.NAVY **SEALASKA**

1-15



<p>U.S.NAVY</p>	<p>SEALASKA</p>	<p align="center">Figure 1-3 Location of Institutional Control Sites in the Downtown Area, Adak Island</p>	<p align="right">Task Order 55 Adak Island, AK 2012 IC Inspection Report</p>
------------------------	------------------------	---	--

P:\SEALASKA\ADAK\TO 39\2011 IC\FIG 1-3 LOC DWNTN.DWG
 PLOT/UPDATE: MARCH 12, 2013

2. INSTITUTIONAL CONTROL SITE INSPECTIONS, DOWNTOWN AREA

The Downtown Area comprises the populated area of Adak Island and includes the airport, the docks, and all support facilities (Figure 1-3). Within this area, the ICs include land use restrictions, equitable servitude, groundwater restrictions, and soil excavation restrictions. The landfills within the Downtown Area also require soil cover inspections.

2.1 DOWNTOWN AREA GROUNDWATER

The equitable servitude included in the land transfer documentation is the prohibition against domestic groundwater use and the digging of wells for domestic groundwater use for the Downtown Area. This prohibition attaches to the land and therefore applies to the current landowner and all subsequent landowners.

Drinking water is currently, and has always been, supplied from a surface water source, which is currently Lake Bonnie Rose. Domestic groundwater use restrictions prevent potential residential exposure to impacted groundwater, and it precludes impacts to groundwater remediation efforts in the area. The chemicals of potential concern (COPCs) related to the Downtown Area groundwater are primarily petroleum compounds. Transect inspections of the Downtown Area were conducted from September 3 to September 11, 2012, in accordance with the ICMP. During the inspections, no indications were found for domestic potable wells being used or drilling activities for potable water taking place.

2.2 DOWNTOWN AREA CERCLA SITES (EXCEPT LANDFILLS)

The primary purpose of the ICs for the CERCLA sites in the Downtown Area is to verify compliance with the land use assumptions used in establishing cleanup levels, thereby decreasing the probability of adverse effects to human health due to exposure to residual chemicals. The anticipated future use was an important consideration in determining the level of protectiveness required at the sites. For example, the CERCLA sites in the Downtown Area are found in industrial areas, and the anticipated land use was expected to remain the same based on the information available when the remedies were selected in the OU A ROD. The residual chemicals that remain at some Downtown Area sites are safe for workers and recreational activities, but they may not be safe for full-time residents living on the property. These were determined as incremental cancer risks (ICRs) and are discussed for each site in the context of the chemical or chemicals that pose the potential ICR.

ICRs calculate the potential for an additional cancer diagnosis associated with chemicals that are present at a site under various land use scenarios and exposure durations. The incremental risk is an estimate of what risk might be attributable to a certain chemical, beyond the current U.S. cancer rate of one in four adults contracting some form of cancer, and averaged over a lifetime. At the national rate, 25,000 people in a population of 100,000 would be expected to be diagnosed with some form of cancer during their lifetime. An estimated ICR of 1×10^{-5} for this same population would result in 25,001 persons being diagnosed with cancer over their lifetime (i.e., one additional diagnosis per 100,000). For many of the Downtown Area CERCLA sites, the ICR exceeds the ADEC requirement that cumulative risks do not exceed 1×10^{-5} for residential use.

For the purposes of inspection and reporting, the following ICs that are required for the Downtown Area CERCLA sites are presented in Table 1-1 and are documented below:

- Land Use Restrictions – For the sites listed in this subsection, residential construction is prohibited. Commercial, industrial, and recreational land uses are allowed.
- Equitable Servitude – The provisions of the equitable servitude have been incorporated in the Interim Conveyance transferring the property to TAC.
- Groundwater Use Restrictions – The Downtown Area groundwater is restricted from domestic use.
- Soil Excavation Restrictions – For most of the sites discussed below, excavation notifications are required for excavations below 2 feet. The notifications, discussed later, are evaluated to determine whether the proposed excavation is consistent with the land use restrictions. Excavation is prohibited at Metals and Roberts Landfills.

2.2.1 SWMU 10, Old Baler Building

The Old Baler Facility, solid waste management unit (SWMU) 10, is located west of Monument Hill and approximately 1,200 feet north of Sweeper Cove. The Old Baler Facility was once used to mechanically compact and compress municipal waste. The site comprises an area of approximately 1.71 acres. Polychlorinated biphenyl (PCB) Aroclor 1260 and indeno(1,2,3-cd)pyrene were identified in the OU A ROD as the COPCs for SWMU 10. The allowed land use is commercial and industrial.

During the September 4, 2012 inspection, no changes to the site were observed compared to the 2011 inspection results. The site appeared to be used as a storage location for cement cinder blocks. No residential construction had occurred at the site (Photograph 2-1).

No indications of groundwater use or excavation activities were found. The ICs required at this location include soil excavation restrictions. Two signs were present at the site. One is located along Bay Shore Drive and the other is located northwest of the site.



Photograph 2-1. SWMU 10, Old Baler Building - looking northwest. The fence in the photograph was installed by the land user and is not an IC requirement.

2.2.2 SWMU 14, Old Pesticide Disposal Area

SWMU 14, the Old Pesticide Disposal Area, consists of a vacant property located to the southwest of the Public Works Building in the downtown area (Photograph 2-2). The site includes the foundation of former Building 1471 and an abandoned drain field reportedly used to disperse pesticide rinse water. Building 1471 was used from 1950 to 1987 for handling a variety of pesticides. The site is bordered to the north and west by SWMU 76, Old Line Shed, to the south by Public Works Road, and to the east by an unnamed dirt road. The site consists of a featureless, flat, unpaved soil area covered with gravel. COPCs identified at this site in the OU A ROD include diesel-range organics (DROs), toluene, and benzo(a)pyrene in soils and perchloroethylene (PCE) in groundwater.



Photograph 2-2. SWMU 14, Old Pesticide Disposal Area – looking east

During the inspection on September 4, 2012, no changes to the site were observed compared to the 2011 inspection results. The site did not appear to be in use. No residential construction had occurred at the site. No indications of groundwater use or excavation activities were found at the site. The ICs required at this location include soil excavation restriction. There were no signs present on the site, but several signs were located in the near vicinity of the site. Therefore, all ICs appear to be functioning as intended.

2.2.3 SWMU 15, Future Jobs/Defense Reutilization Marketing Office

SWMU 15 has historically been used by the land owner to store construction materials, paint, solvents, transformers, petroleum and lubricant compounds, and other materials. The site, located between two warehouses near the dock facilities on Sweeper Cove, is rectangular, flat, and fenced on one side. The site is comprised of compact gravel with concrete- and asphalt-paved areas. COPCs identified at this site in the OU A ROD include DROs, Aroclor 1260, and 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in site soils and PCE in groundwater.

The site is currently being used to store fishing equipment. All 55-gallon drums, debris, and vehicles observed onsite in 2011 and placed there by the current users have been removed from the site. During the inspection on September 4, 2013, puddles of water with slight petroleum sheen were observed in same area as the oily stained areas observed in 2011 (Photograph 2-3). The puddles prevented observing if the petroleum staining remains at this location.



Photograph 2-3. SWMU 15, Future Jobs/Defense Reutilization Marketing Office – looking northeast at the location where drums were stored onsite and staining was observed in 2011. Sheen was observed in the puddles in the foreground.

The aboveground storage tank (AST), 55-gallon drums of fuel, and oil-stained soil (not associated with Navy activities) located near well MW15-424 have been removed from the site. A pile of gravel fill covered by poly-sheeting is now located here. There was no obvious area of excavation but new gravel appears to have been spread where the oil-staining was observed last year (Photograph 2-4). The oily stained soil observed at this location during the 2011 inspections was not observed during the 2012 inspection.

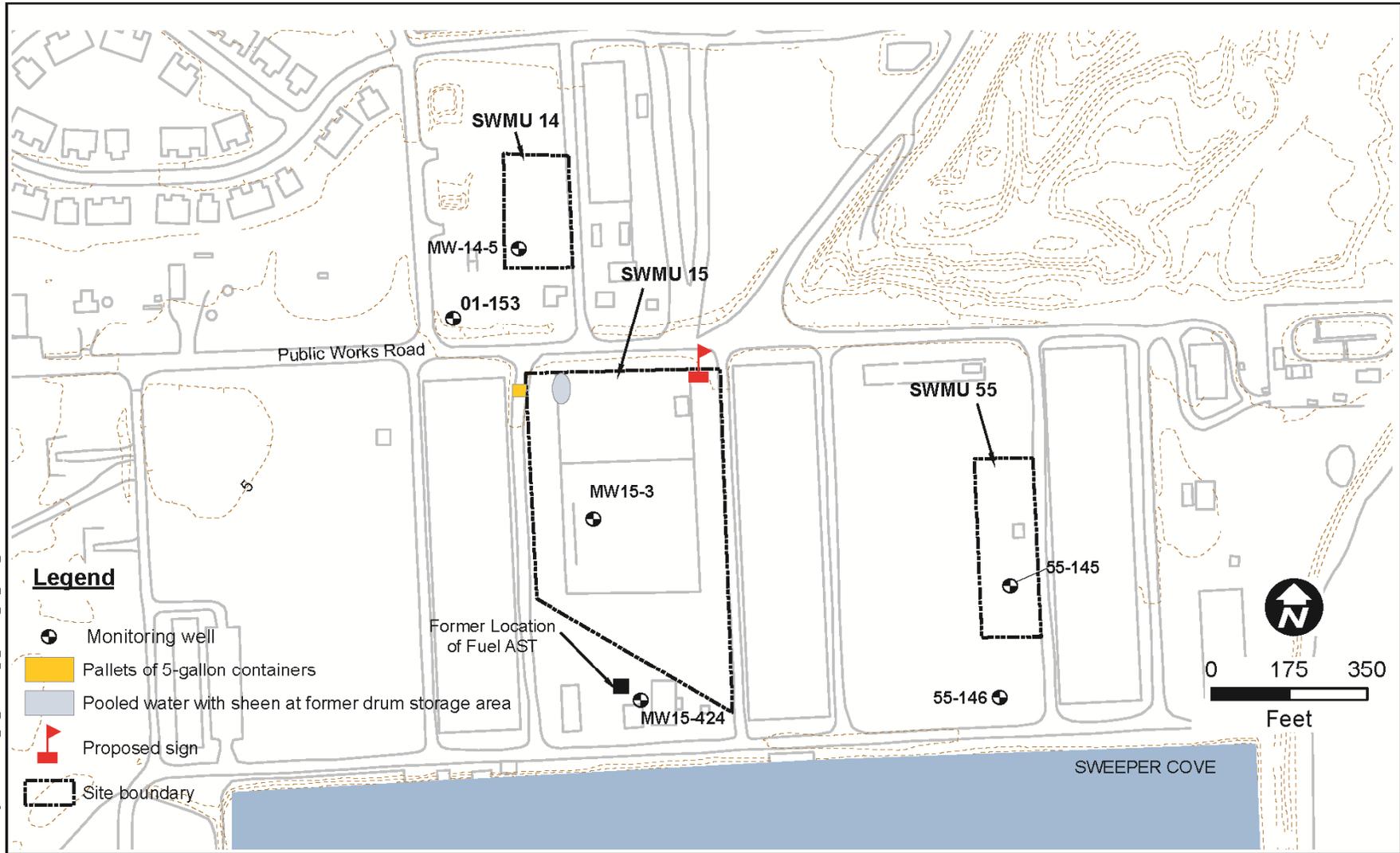


Photograph 2-4. SWMU 15, Future Jobs/Defense Reutilization Marketing Office - looking west where the AST, drums and stained soil was located south of site during the 2011 inspection.

Two pallets of 5-gallon containers of unknown contents were observed adjacent to the blue shed northwest of the site (Figure 2-1). The excavation restriction sign installed in 2010 is missing, and it is recommended that it be replaced. No indications of groundwater use or excavation activities were found. Housekeeping practices onsite are improved and appear adequate. However, potentially contaminated soil remaining onsite may be impacting underlying groundwater. It is recommended that housekeeping practices continue to be monitored at this site.

2-7

DEC 19, 2012
 Path: F:\Adak GIS Files\Adak IC Figures\IC02012_IC_MAPS\2_1_SWMU_15_2012_TO55.mxd



<p>U.S. NAVY</p>	<p>SEALASKA</p>	<p align="center">Figure 2-1 SWMU 15, Future Jobs/Defense Reutilization Marketing Office</p>	<p align="right">Task Order 55 Adak Island, AK 2012 IC Inspection Report</p>
-------------------------	------------------------	---	--

2.2.4 SWMU 16, Former Firefighting Training Area

SWMU 16 was used for firefighter training from 1970 to 1989. It was included in the CERCLA investigations because petroleum, waste oil, and solvents were ignited on site during training exercises. This area is generally flat, with elevations ranging from 5 to 12 feet above mean lower low water (MLLW). The site was cleared of training materials in 1992. About four acres in size, the area (Photograph 2-5) is adjacent to former Taxiway E, near the west end of Runway 5-23. COPCs identified at this site in the OU A ROD include the PCB Aroclor 1260 in groundwater.

During the September 5, 2012 inspection, no changes to the site were observed compared to the 2011 inspection results. The site did not appear to be in use. No residential construction had occurred at the site. No indications of groundwater use or excavation activities were found. The sign is located approximately 100 feet from the road and is legible (see Photograph 2-5). The ICs appear to be functioning as intended in the OU A ROD to protect human receptors from exposure to contaminated soil or groundwater.



Photograph 2-5. SWMU 16, Former Firefighting Training Area – looking northwest

2.2.5 SWMU 17, Power Plant No. 3 Area

Power Plant No. 3 began operating in 1950. Five ASTs in a secondary containment store oil and fuel supplies for the plant. Free product was first identified in two monitoring wells at the plant in September 1994. Seeps and stained soil were observed in 1995 on the northeast side of the site. Later, petroleum-contaminated soil was noted in ditches along the road in the same area. The most likely source of free product was a 1994 release of 500 gallons of jet petroleum #5 (JP-5) from a cracked storage tank valve. Other possible sources were overfilling of storage tanks and leaking pipes. Contaminated soils and sediments were excavated and replaced with clean fill materials in 2002. In addition, oily waste and discharges associated with the power plant have been eliminated. COPCs identified at this site in the OU A ROD include DROs and Aroclor 1260 in soils; Aroclor 1254, beryllium, and semi-volatile organic compounds (SVOCs) in groundwater; and xylenes in surface water.



Photograph 2-6. SWMU 17, Power Plant No. 3 Area – looking east at transformers stored next to AST secondary containment.

The site is currently being used as the active power plant for the City of Adak. During the 2007, 2008, and 2009 inspections, petroleum staining was observed beneath the waste oil tank located on the east side of the building, and ADEC notified the City to address this issue.

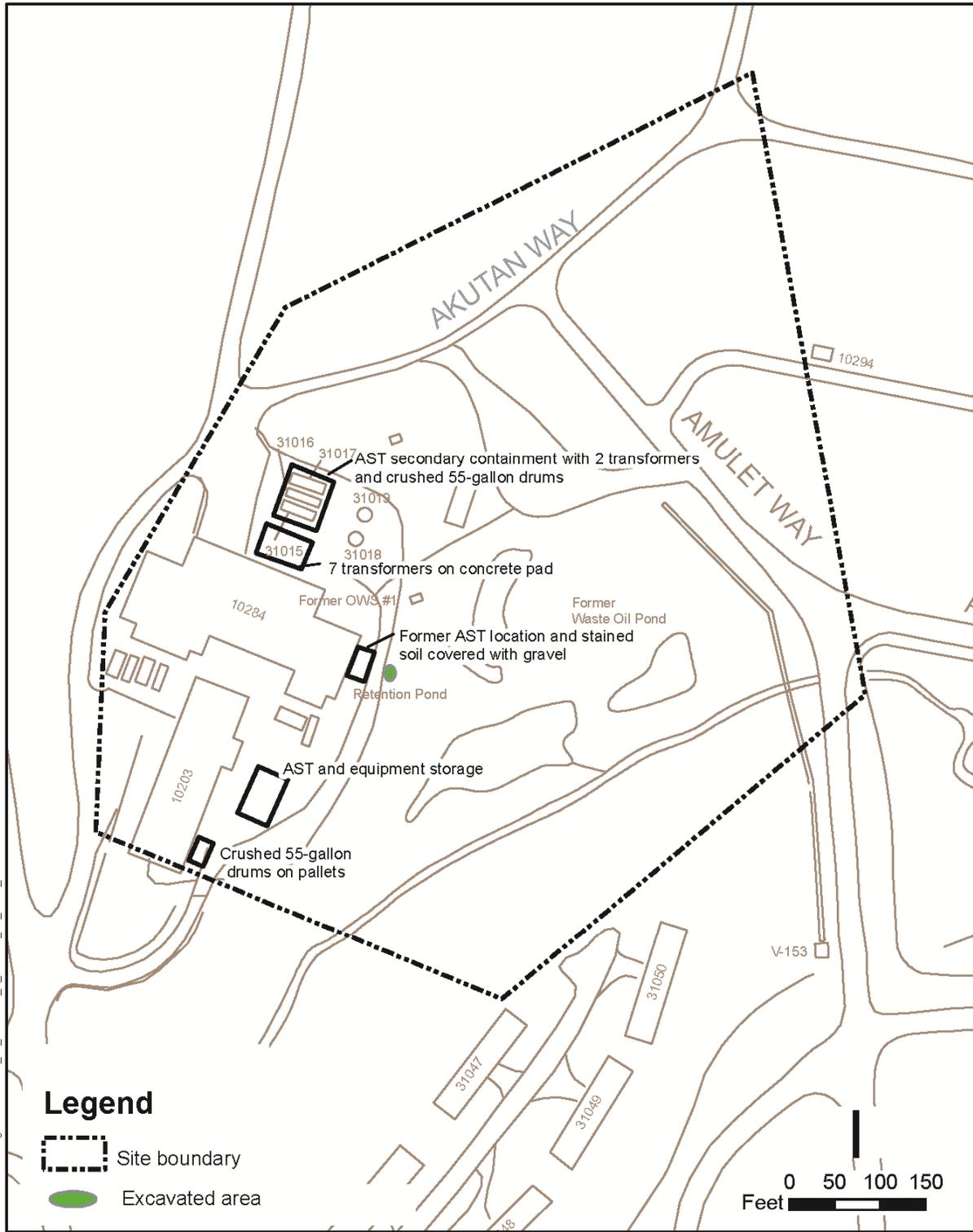
During the 2010 inspection, the waste oil tank had been removed. The stained area observed beneath the tank in 2009 and 2010 appeared during the 2011 inspection to be covered by clean gravel, and a small soil-stained area (2 feet by 6 feet) was observed in the gravel cover. During the September 4, 2012 inspection, the staining was not observed and only clean gravel was present. An excavated area 15 feet by 10 feet and five feet deep was observed along the east side of building 10284 across the roadway from the former AST location (Figure 2-2). No visible evidence of petroleum contamination was noted. According to the power plant employee, the City conducted the excavation to repair a leak in the City's main water line. No Excavation Notification was submitted to the Navy.

The oily soil approximately 6 feet in diameter that was observed during the 2011 inspection and located west of the AST secondary containment was not observed in 2012. Large pieces of equipment were staged in this area preventing a complete inspection. The 150 crushed drums and two large transformers observed in the AST secondary containment in 2011 were again observed in 2012. Seven additional large transformers (approximately 50 gallons) were observed staged on a concrete pad adjacent and south of the secondary containment. All of these transformers were observed to have "No PCBs" stickers (Photograph 2-6, Figure 2-2).

Approximately fifty to one hundred crushed 55-gallon drums on pallets that were observed in 2011 along the east side of building 10203 were still present in 2012. No oil staining was observed under these drums. The yard on the east side of building 10203 is also being used to store equipment and the removed 500-gallon AST.

No other changes to the site were observed compared to the 2011 inspection results. No residential construction had occurred at the site. No indications that groundwater was being used. Excavation restriction signs were clearly visible.

Housekeeping practices have improved at this site but should continue to be monitored. It is recommended that the Treatment Plant Operator be notified to properly remove and dispose of the crushed drums and transformers. It is further recommended that the City be notified of the permit excavation requirement and that the open excavation observed at the site be filled in.



NOV 14, 2012
 Path: S:\ARCGIS\Adak_GIS_Files\Adak_IC_Figures\IC2012_IC_MAPS\2_2_SWMU_17_2012_TO55.mxd

<p>U.S. NAVY</p>	<p>SEALASKA</p>	<p align="center">Figure 2-2 SWMU 17, Power Plant 3 Area</p>	<p align="center">Task Order 55 Adak Island, AK 2012 IC Inspection Report</p>
-------------------------	------------------------	---	---

2.2.6 SWMU 55, Public Works Transportation Department Waste Storage Area



Photograph 2-7. SWMU 55, Public Works Transportation Department Waste Storage Area – overview north of Recycling Center

SWMU 55 is located between two warehouses near the Sweeper Cove dock. The site comprises an area of about 1.2 acres. It consists of a graded, gravel, open area with a small (about 700-square-foot) steel shed at one end. The site was historically used by the Navy for vehicle maintenance and product storage, including storage of flammable materials. The Navy no longer uses this site for waste storage, as the property was transferred to TAC in 2004. At that time, all Navy waste materials were disposed off site. PCE in groundwater is identified in the OU A ROD as the only COPC.

After the property was transferred to TAC, the site was used for vehicle and equipment storage. New oil, hydraulic and transmission fluids, and other vehicle-care products were also stored at the site. In 2010 the community began using the area as a “Recycling Center” at which large quantities of wooden and metal debris and various other materials were observed to be loosely segregated and piled on the ground. During the September 4, 2013 inspection, the area was still being used as a “Recycling Center” (Photograph 2-7). Large amounts of the materials and debris observed in 2011 have since been removed and the debris appeared to

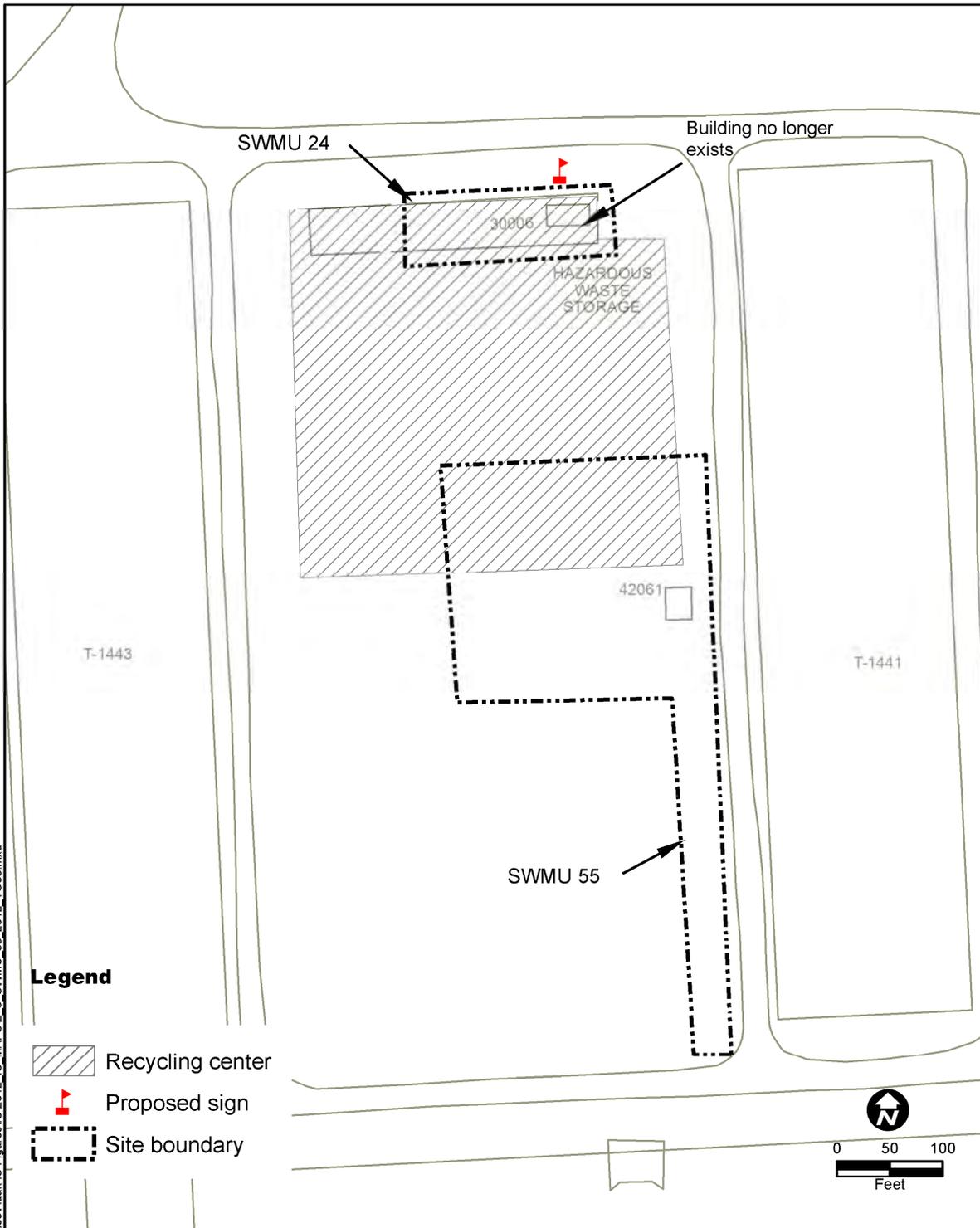
have been more segregated by material type (i.e., wood, metal, electronics, vehicles, etc.). TAC is currently in the process of shipping metal off island for recycling. Due to recent rain, standing water was observed throughout the site and a slight sheen was observed where drums and soil staining was observed during the 2011 inspection (Photograph 2-8, Figure 2-3).



Photograph 2-8. SWMU 55, Public Works Transportation Department Waste Storage Area - looking at numerous 55-gallon drums, ponded water, and debris

All but a few of the dilapidated vehicles stored in this area have been removed. However, quantities of materials still remain onsite and include but are not limited to: wood, metal, and building debris; equipment and vehicle parts; various-sized tanks and shipping containers; several crushed and whole 55-gallon drums; containers of various sizes with unknown liquids; and paint wastes. The metal shed located on SWMU 24 and adjacent to SWMU 55 observed in 2011 which contained a large quantity of containers was no longer present during the 2012 inspection. The pink connex box containing 5-gallon containers and underlying stained soil still remains at the site. There is no restricted access or soil barrier at the site.

While no evidence of excavation was noted during the inspection, the large amount of debris at the site prevented certain confirmation that unauthorized excavation has not occurred. The



Date: 11/16/2012 Path: S:\ARCGIS\Adak\GIS\Figures\IC\2012_IC_MAPS\2_3_SWMU_55_2012_IC055.mxd

U.S. NAVY	SEALASKA	<p align="center">Figure 2-3 SWMU 55, Public Works Transportation Department Waste Storage Area and SWMU 24, Hazardous Waste Storage Facility</p>	<p align="center">Task Order 55 Adak Island, AK 2012 IC Inspection Report</p>
-----------	----------	--	--

soil excavation restriction sign is missing and needs to be replaced. There was no evidence of groundwater use. Due to the wastes and conditions observed at this site, there is a concern that contaminants associated with on-site wastes are a threat to residents and are potentially impacting site soils and underlying groundwater. It is therefore recommended that the cleanup of the site continue to be monitored.

2.2.7 SA 76, Old Line Shed Building



Photograph 2-9. SA 76, Old Line Shed Building – looking southeast

Source area (SA) 76, approximately 1.34 acres, is a rectangular open area with a concrete foundation pad surrounded by gravel (Photograph 2-9). Historically, the site was used for office space, line crew living quarters, and storage space for a variety of materials. The structures were removed after they were damaged in a 1982 storm. Arsenic and indeno(1,2,3-cd)pyrene are identified as COPCs in onsite soil in the OU A ROD.

The City of Adak is currently using this site as a solid waste transfer station. During the inspection on September 4, 2012, one dumpster was observed on site. No residential construction had occurred at the site. No indications of groundwater use or excavation activities were found. No changes to the site were observed compared to the 2011 inspection results. Usage of the site remains within the IC requirements of commercial/industrial. No soil excavation restriction sign was present onsite but several signs were located in the near vicinity of the site. Therefore, all ICs appear to be functioning as intended.

2.2.8 Downtown Area Water Bodies



Photograph 2-10. Sweeper Cove – looking north from Finger Bay Road

Sweeper Cove and Kuluk Bay were evaluated separately due to different upland sites that may drain into them (Photographs 2-10 and 2-11, respectively). Aroclor 1254 (Kuluk Bay) and Aroclor 1260 (Sweeper Cove) have been detected in rock sole and blue mussels at these locations. In 2003, the 5 years of marine sampling required by the ROD for OU A was completed. Those 5 years of data established the baseline for temporal trend evaluations.

After evaluating the 5 years of monitoring results in 2003, the Navy, in consultation with ADEC and EPA, determined that sampling of rock sole and blue mussels from Sweeper Cove and Kuluk Bay should continue every other year through the next 5-year review period to evaluate for changes in the total PCB concentration. The recommendations from the 2011 technical memoranda were to continue the current fish consumption advisory for rock sole and blue mussels in Sweeper Cove and for rock sole in Kuluk Bay (Navy 2011). The status of the consumption advisory will be reassessed based on the planned 2013 sampling event.



Photograph 2-11. Kuluk Bay – looking southeast

The ICs required for the Downtown Area water bodies, Sweeper Cove and Kuluk Bay, (see Table 1-1) is the distribution of fish advisory fact sheets. Marine monitoring fact sheets were distributed to island residents in 2003, 2006, 2008, 2010, and 2012. These fact sheets described the results of the monitoring of rock sole and blue mussels in Sweeper Cove and Kuluk Bay and recommended meal limits (Navy 2012b).

Educational surveys were conducted on ten residents in accordance with the ICMP to evaluate the effectiveness of the fish advisory fact sheet. The survey asked whether the participant was aware that fish advisories existed. Eight of the ten surveyed residents were aware of the fish advisory. Thus, the IC fact sheet appears to be effectively distributing the advised fish consumption information. Survey results are described in more detail in Section 5, and the survey questionnaire is presented in Appendix B.

2.3 DOWNTOWN AREA LANDFILLS

For the purposes of inspection and reporting, the following ICs are required at the landfill sites:

- Land Use Restrictions – The landfills may be used for outdoor recreational use or any other activity that does not adversely impact the integrity of the landfill covers, containment, or monitoring systems.

- Equitable Servitude – The provisions of the equitable servitude have been incorporated in the Interim Conveyance transferring the property to TAC.
- Groundwater Use Restrictions – The downtown area groundwater is restricted from domestic use.
- Soil Excavation Prohibition – Landfill excavation is prohibited to protect from direct exposure to landfill contaminants and to protect the landfill cap. Excavation for the purpose of digging a domestic groundwater well is also prohibited.
- Engineering Controls – Landfill sites require signage, fencing, and soil cover inspections.

2.3.1 SWMU 13, Metals Landfill



Photograph 2-12. SWMU 13, Metals Landfill – looking south along the landfill armor wall

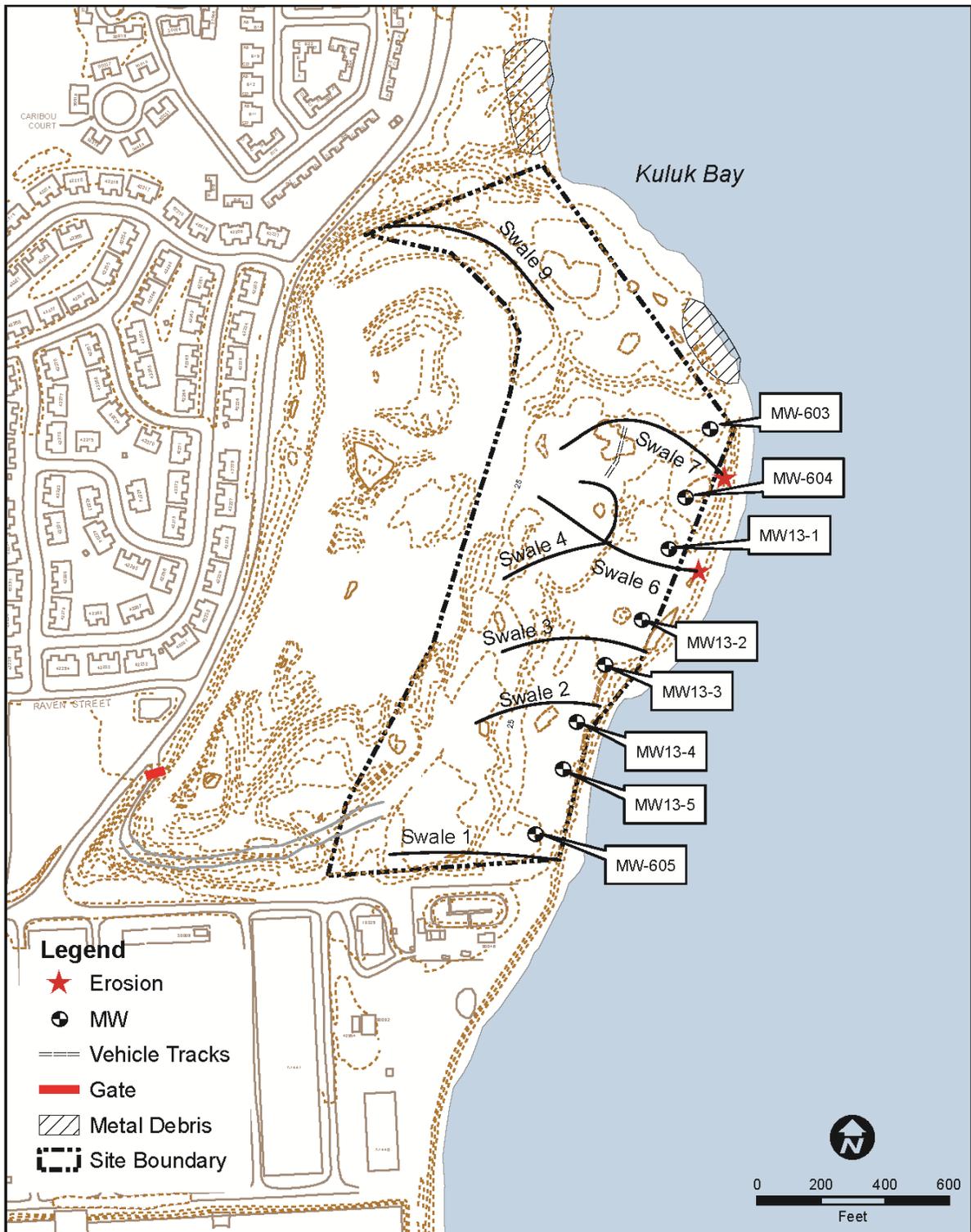
Metals Landfill, SWMU 13, is located immediately southeast of downtown Adak and is bordered by Monument Hill to the west and cliffs down to Kuluk Bay to the east (Figure 2-4). An armor wall has been installed along the steep shoreline of Kuluk Bay to control erosion of the landfill caused by wave action (Photograph 2-12). The total site area is approximately 31.45 acres of which approximately 19 acres were used as a landfill.

The ICs required at SWMU 13 are listed in Table 1-1. Engineering controls that were implemented at SWMU 13 include a landfill cap (soil cover), drainage swales, armor sea wall, fencing, and signs, which were inspected on September 4, 2012. The 2012 inspection found no indications of a change in land use in this area. Vehicle tracks approximately 200 feet long initially observed in 2011 on the north side of the upper bench were still visible but were growing in with vegetation (Figure 2-4). The tracks were not impacting cap integrity. The site did not appear to be in use. No residential construction had occurred at the site. No indications of groundwater use or excavation activities were found at the site. Excavation restriction signs were clearly visible. The steep topography surrounding the site discourages access of unauthorized vehicles; therefore, fencing is not required to encompass the entire perimeter of the landfill. The signs and entrance road gate were in good condition. The landfill cap has typically good vegetative cover and appears to be in good condition.



Photograph 2-13. SWMU 13, Metals Landfill – looking northwest at erosion and damaged Swale 6

The northern-most swale, Swale 7, is eroding at the cliff and the liner is exposed. As observed in 2011, Swale 6 north of monitoring well 13-2 is eroding at the cliff, and the liner is exposed and torn (Photograph 2-13, Figure 2-4). The remaining swales were observed to be in good condition. Small amounts of metal debris were visible throughout the armor wall



DEC 18, 2012 S:\ARCGIS\Adak IC Figures\IC2011\ICISWMMU_13_2011_TO39

<p>U.S. NAVY SEALASKA</p>	<p align="center">Figure 2-4 SWMU 13, Metals Landfill</p>	<p>Task Order 55 Adak Island, AK 2012 IC Inspection Report</p>
----------------------------------	---	---

but do not appear to be the result of erosion and are not affecting the integrity of the armor wall. In addition, large amounts of metal debris that have been observed in the past remain on the cliffs on the northeastern boundary of the landfill. This debris is not feasible to cap due to the steep terrain and is not impacting the integrity of the armor wall. A second area of metal debris is located further north of the landfill and has been observed here since inspections commenced in 2005. This debris lies outside of the landfill boundaries and is not associated with Metals Landfill.

ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater. The eroded areas at the end of Swales 6 and 7 are recommended for repair.

2.3.2 SWMU 25, Roberts Landfill

Roberts Landfill, SWMU 25, is located on a hilltop southwest of downtown. The landfill began operating in the 1980s and was closed in accordance with ADEC solid waste regulations (18 Alaska Administrative Code [AAC] 60). Closure activities, which began in April 1997, included placing a low-permeability soil cover over the landfill, grading and contouring, implementing access restrictions, installing surface water/erosion controls, placing a vegetative cover, securing adjacent bunkers filled with asbestos materials, maintaining the cover, periodic monitoring, and ICs for land use restrictions. A portion of Roberts Landfill was reopened and used for demolition debris in 2002 and closed thereafter.



Photograph 2-14. SWMU 25, Roberts Landfill – central portion of landfill with improved vegetated cap

During the 2009 through 2011 inspections, a large, sparsely vegetated area was noted in the central portion of the landfill. Vegetation in this area shows improvement in that the vegetation was generally thicker and taller than in previous inspections (Photograph 2-14). The two sparsely vegetated areas in the southern portion of the landfill were not observed during the September 5, 2012 inspection. In general, the remainder of the vegetative cap appears adequate.

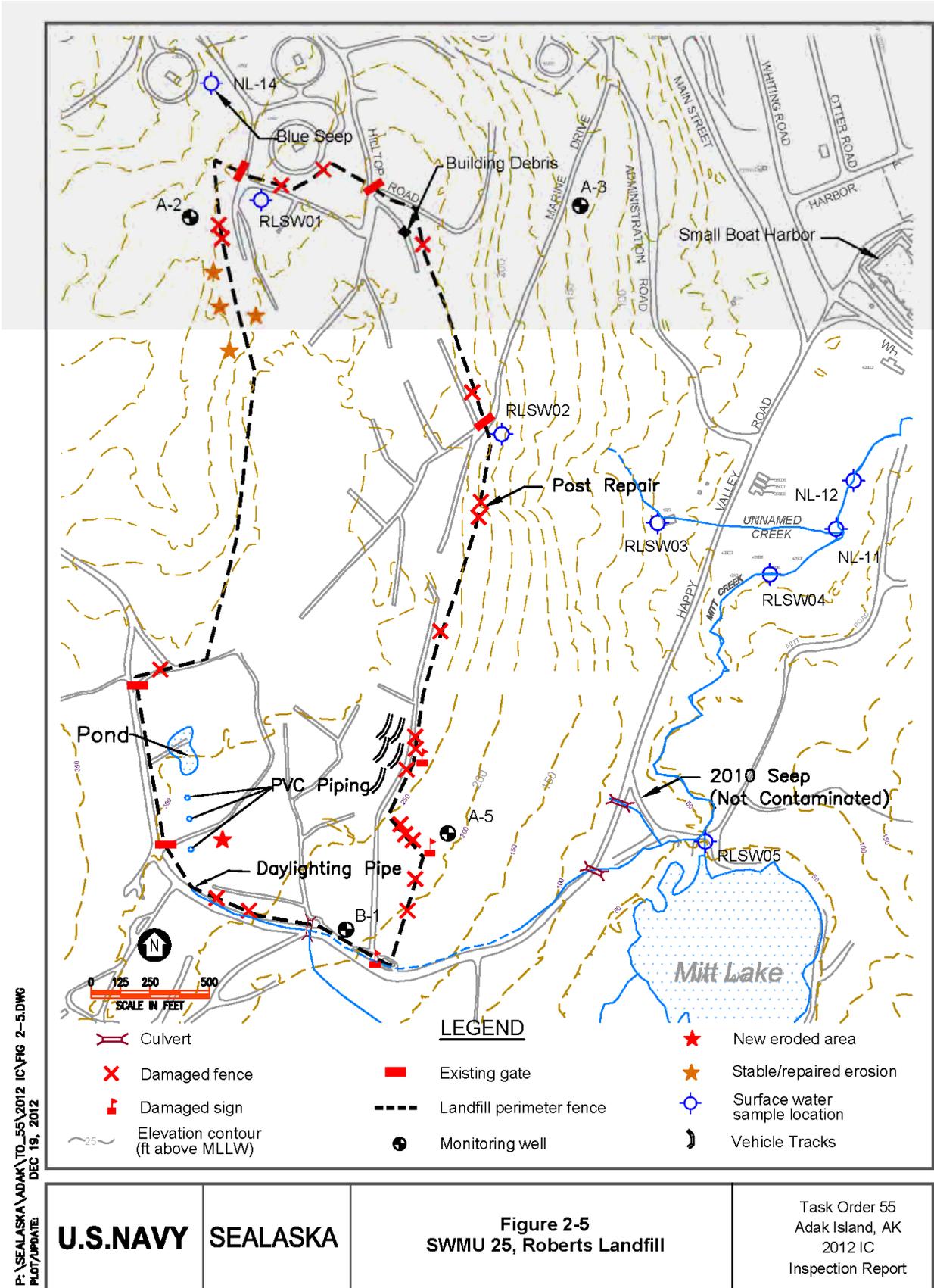


Photograph 2-15. SWMU 25, Roberts Landfill – looking northwest at sparsely vegetated area near swales

Four areas of erosion along the western perimeter fence which were repaired in 2011 appeared to be stable and showed no further erosion during the September 5, 2012 site inspection. A new area of erosion was observed in the southwestern portion of site near the end of a swale. The area is approximately 5 feet by 10 feet and along the top of a steep embankment. The swale liner is exposed at the southern end of the swale (Photograph 2-15, Figure 2-5).

The all-terrain vehicle (ATV) tracks observed southwest of the northeastern gate in 2011 were not present during the 2012 inspection. The truck tracks observed on the southern portion of the cap were still visible in 2012. Wooden and metal debris associated with a collapsed building was again observed on the northeast side of the landfill; however, this debris is not located on the landfill cap (Figure 2-5).

The north gate at the Fuels Facility was open and unlocked at the time of the inspection. The gate was not able to close because the locking bars would not align and need to be repaired. Two signs on the eastern perimeter and one along the southern perimeter have fallen off the fence and need to be re-attached. The three asbestos signs located on the buried bunkers west across the road from the landfill need to be replaced. These bunkers are not part of the



P:\SEALASKA\ADAK\TO_55\2012 IC\FIG 2-5.DWG
 PLOT/UPDATE: DEC 16, 2012

U.S.NAVY SEALASKA	Figure 2-5 SWMU 25, Roberts Landfill	Task Order 55 Adak Island, AK 2012 IC Inspection Report
--------------------------	--	--

landfill. Twenty-three sections of fence along the western perimeter and are in need of replacement or repair. Seventeen sections of fence along the eastern perimeter are also in need of replacement or repair. One section of fence along the northern perimeter fence and five along the south perimeter fence are also in need of replacement or repair. One post on the west perimeter fence and one post on the east perimeter fence need replacement or repair (Figure 2-5).



Photograph 2-16. SWMU 25, Roberts Landfill – looking southeast at the blue and white groundwater seep northwest of the landfill

A groundwater seep observed during the 2010 inspection on the Mitt Lake access road downgradient from the landfill and uphill from sample location RLSW05 is still present. The seep was sampled in 2010 (NL-13), and the sample results did not exceed endpoint criteria. A groundwater seep observed in 2011 northwest of the landfill in the Adak Fuels Facility adjacent to the landfill is still present. The seep is characterized with blue and white precipitate (Photograph 2-16). Surface water sample NL-14 was collected in 2011 from a ditch immediately below the seep and analyzed for total and dissolved priority pollutant metals plus aluminum, volatile organic compounds, and water quality parameters. The volume of the seep flow was minimal. Total copper exceeded the endpoint criteria in this surface water sample. Based on the 2011 Landfill Monitoring Report recommendations and landfill sampling plan, sampling was not conducted at the landfill in 2012; however the seep will be sampled again in 2013.

The pond located on the southern portion of the landfill near the gates that was observed during the 2009, 2010, and 2011 inspections was still present during the September 5, 2012 site inspection. The pond footprint is approximately 70 feet in diameter and water levels were elevated compared to 2011 levels due to recent wet weather. As previously determined, the pond is not thought to be located on the landfill cap or impacting its integrity.



Photograph 2-17. SWMU 25, Roberts Landfill – looking northeast at the pond and PVC drainage pipe

As recommended in the 2011 IC Report, the upstream source of surface water at sample RLSW05 was evaluated. The eastern-most culvert under Happy Valley Road is located along the south side of the landfill near the Mitt Lake access road. Surface water flows from the slope below the east side of the landfill through the culvert to the sample location and eventually to Mitt Lake. A second culvert located under Happy Valley Road approximately 300 feet southwest from the first culvert. Similarly, surface water appears to flow from the slope below the landfill on the southeast into a roadside ditch which then flows northeast to the culvert and then to the sample location. Surface water in the ditch along the road was observed to contain less and less water as the road rose in elevation and approached the southern corner of the landfill until no water was observed at all. A third culvert is located under Happy Valley Road on the southern perimeter of the landfill at the end of a swale.

Surface water was not observed in the swale, but it was observed flowing down the roadside ditch, through the culvert, and then south away from the road where it presumably eventually enters the southeastern end of Mitt Lake. The source of the water in the ditch was a culvert that daylighted just south of the southwestern gate and approximately 350 feet south of the pond. Three 24-inch PCV pipes were also observed spaced along in a line between the day-lighting culvert and the pond (Photograph 2-17). It is presumed that the culvert and PVC pipes are part of the drainage system for the pond which appears to be working as evidence of water flowing from the culvert. It is further presumed that the Navy installed the drainage system sometime prior to 2005 when the IC inspections began. Figure 2-5 illustrates the overland surface water pathway observed during the 2012 inspection and photographs of the surface water pathway are presented in Appendix C.

During the September 5, 2012 inspection, no indications of a change in land use in this area were found. The site did not appear to be in use. No residential construction had occurred at the site. No indications of groundwater use or excavation activities were found at the site. For ICs to function as intended to protect human receptors from exposure to contaminated soil or groundwater, the following actions are recommended:

- Continue to monitor areas of the landfill cap that have improved vegetation.
- Continue to monitor the four small eroded and repaired areas along the western fence line for future threat to the landfill cap.
- Repair the newly observed eroded area and swale liner on the southern portion of the landfill.
- Sample surface water at the blue seep on the northwest side of the landfill (NL-14) in 2013, and determine if it is associated with the landfill. Take appropriate actions as determined by ADEC, EPA, and the Navy if needed.
- Repair the perimeter fence and re-attach and/or replace the three perimeter signs.
- Replace the three asbestos warning signs across the road from the landfill.
- Repair or replace the northern gate adjacent to the Adak Fuels Facility.
- Notify Adak Fuels Facility to keep the northern gate locked to prevent vehicle access to the site.

2.4 DOWNTOWN AREA RCRA CLOSURE SITES

SWMU 24, Hazardous Waste Storage Facility, and SA 77, Fuels Facility Refueling Dock Small Drum Storage Area, are two sites in the Downtown Area that were closed under the Resource Conservation and Recovery Act (RCRA). The ICs at RCRA closure sites include the following:

- Land Use Restrictions – For the sites listed in this subsection, residential construction is prohibited. Commercial and industrial land uses are allowed.
- Groundwater Use Restrictions – The Downtown Area groundwater is restricted from domestic use.
- Equitable Servitude – The provisions of the equitable servitude have been incorporated in the Interim Conveyance transferring the property to TAC.
- Soil Excavation Notifications – Excavation notifications for the sites discussed below are required for excavations below 2 feet. The notifications (discussed later) are evaluated to determine whether the proposed excavation is consistent with the land use restrictions.

2.4.1 SWMU 24, Hazardous Waste Storage Facility

The Hazardous Waste Storage Facility was located south of the Public Works Road and east of Building T-1443. The site, which consists of a strip of land along the street, is adjacent to SWMU 55, Public Works Transportation Department Waste Storage Area. As described in Section 2.2.6, the current land owner is using the site for an island “Recycling Center” located across both SWMU 24 (Photograph 2-18) and SWMU 55, Public Works Transportation Department Waste Storage Area sites. A blue, metal shed which was located on the property in 2011 and was observed to contain numerous containers with unknown liquids is no longer on the site. Figure 2-3 in Section 2.2.6 shows the location of the Recycling Center in relation to the site boundaries for SWMU 24 and SWMU 55.

During the September 5, 2012 inspection, much less debris was observed in and around the Recycling Center than was observed during the 2011 inspection. Additionally, the debris appeared to have been more segregated by material type (i.e., wood, metal, electronics, vehicles, etc.). TAC is currently in the process of shipping metal off the island for recycling. Materials that still remain on site included wood, metal, and building debris; equipment and vehicle parts; various-sized tanks and shipping containers; several crushed and whole 55-gallon drums; containers of various sizes with unknown liquids; and paint wastes. The metal shed located on SWMU 24 and adjacent to SWMU 55 observed in 2011 which

contained a large quantity of containers was no longer present during the 2012 inspection. The pink connex box containing 5-gallon containers and underlying stained soil still remains at the site. There is no restricted access or soil barrier at the site. While no evidence of excavation was noted during the inspection, the large amount of debris at the site prevented certain confirmation that unauthorized excavation has not occurred.



Photograph 2-18. SWMU 24, Hazardous Waste Storage Facility – looking south

The soil excavation restriction sign is missing and needs to be replaced. There was no evidence of groundwater use. Due to the wastes and conditions observed at this site, there is a concern that contaminants associated with on-site wastes are a threat to residents and are potentially impacting site soils and underlying groundwater. It is therefore recommended that the cleanup of the site continue to be monitored.

2.4.2 SA 77, Fuels Facility Refueling Dock, Small Drum Storage Area

The Small Drum Storage Area (SDSA) was not operated as a permitted RCRA interim-status container storage facility, but it was included in the RCRA closure process because of observations made by EPA representatives in 1989. Four drums assumed to contain

hazardous waste were found at the time. The Navy agreed to EPA's RCRA designation, and the SDSA was investigated in July 1993 to determine whether past activities related to drum storage had left residual contamination that could pose a future risk to Adak residents or exceeded relevant regulations.



Photograph 2-19. SA 77, Small Drum Storage Area – looking northeast

The site was closed under RCRA in 1995 because the data collected during the RCRA closure showed that RCRA-regulated hazardous wastes were not present at the SDSA at concentrations warranting corrective action. The area is currently used as a parking apron for Adak Fuels trucks and fuel drums (Photograph 2-19).

During the inspection on September 4, 2012, no changes to the site were observed compared to the 2011 inspection results. The site is currently being used for a commercial purpose, which is allowed under the ICMP. No residential construction had occurred at the site. No indications of groundwater use or excavation activities were found. Excavation restriction signs were clearly visible. Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

2.5 DOWNTOWN AREA PETROLEUM SITES

Five remedial alternatives were selected for the petroleum sites administered under SAERA on Adak: free product recovery, monitored natural attenuation, limited soil removal, limited groundwater monitoring, and ICs. Limited soil removal was conducted in 2006 by the Navy at SA 77, Fuels Facility Refueling Dock, Small Drum Storage Area. ADEC approved conditional closure (No Further Remedial Action Planned [NFRAP]) for the site.

ICs are applied to limit land use activities at the individual sites and to confirm the integrity of the free product recovery and monitoring systems. These controls include restrictions on groundwater use and soil excavations. They are designed to reduce the potential for direct exposure in the short term, until petroleum concentrations are reduced below cleanup levels. The listed Downtown Area petroleum sites are presently undergoing studies and cleanup.

For the purposes of inspection and reporting, the following ICs are required for the Downtown Area petroleum sites documented below:

- Land Use Restrictions – Residential, commercial, and industrial land uses are allowed. Residential housing is allowed where housing already exists, such as Arctic Acres Housing. Future residential housing construction will be evaluated for impacts on ongoing petroleum cleanup activities.
- Equitable Servitude – The provisions of the equitable servitude have been incorporated in the Interim Conveyance transferring the property to TAC.
- Groundwater Use Restrictions – The Downtown Area groundwater is restricted from domestic use.
- Soil Excavation Notifications – Excavation notifications for the sites are required for excavations below 2 feet. The notifications, discussed in Section 4, are evaluated to determine whether the proposed excavation is consistent with the land use restrictions.

2.5.1 Monitored Natural Attenuation Petroleum Sites

Monitored natural attenuation was selected as the remedy in the OU A ROD for 12 sites in the Downtown Area. Two of these sites, SWMU 14, Old Pesticide Disposal Area, and SWMU 15, Future Jobs/Defense Reutilization Marketing Office, are also CERCLA sites and were discussed above in Sections 2.2.2 and 2.2.3, respectively. The ICs at these sites help prevent exposure to potentially harmful chemicals while the cleanup continues.

2.5.1.1 Amulet Housing, Well AMW-706 Area

Amulet Housing, Well AMW-706 Area is located along the eastern edge of Amulet Housing, on the east side of Travis Way, and west of Runway 18-36. The site is adjacent to South Sweeper Creek (Photograph 2-20). Well AMW-706, which has since been decommissioned, was installed during the remedial investigation at Tank Farm A and was part of a group of regional wells used to determine groundwater quality and flow characteristics outside of the Tank Farm A source areas. The IC portion of this site consists of approximately 0.07 acres.



Photograph 2-20. Amulet Housing, Well AMW-706– looking northeast at Sweeper Creek

During the inspection in September 5, 2012, no changes to the site were observed compared to the 2011 inspection results. The site is currently not being used. No residential construction had occurred, and no indications of groundwater use or excavation activities were found. Excavation restriction signs were clearly visible. Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

2.5.1.2 Amulet Housing, Well AMW-709 Area

Amulet Housing, Well AMW-709 Area is located along the southeastern edge of Amulet Housing, on the east side of Travis Way, and west of Runway 18-36 (Photograph 2-21). The site is adjacent to South Sweeper Creek. The well has since been decommissioned. The IC portion of the site is approximately 0.16 acres.



Photograph 2-21. Amulet Housing, Well AMW-709 – looking southeast

The ICs at Amulet Housing, Well AMW-709 Area are the restriction of land use to industrial or commercial activities and the restriction of groundwater use, which are included in an equitable servitude, and a requirement to complete an excavation notification before intrusive work to a depth greater than 2 feet is conducted (see Table 1-1). During the September 5, 2012 inspection, no changes to the site were observed compared to the 2011 inspection results. The site is currently not being used. No residential construction had occurred at the IC restricted area. No indications that groundwater use or excavation activities were found at this site. Excavation restriction signs were clearly visible. Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

2.5.1.3 Former Power Plant Building T-1451

The Former Power Plant Building T-1451 site is located at the southeast corner of Public Works Road and Main Road in the southwest portion of downtown Adak, approximately 1,000 feet north of Sweeper Cove. When constructed in 1944, the facility included the power plant building and three diesel fuel ASTs. The ASTs were supplied by the Clam Lagoon Pipeline via a service pipeline 2 inches in diameter and 85 feet long.



Photograph 2-22. Former Power Plant Building T-1451 – looking northwest

The main power plant building originally measured 62 feet by 79 feet and the site is approximately 3.23 acres. Sometime after 1986, the power plant building was expanded and converted to other uses. A 2,000-gallon JP-5 AST with an impoundment dike was constructed 30 feet southwest of the building. The remodeled building is now referred to as the main General Equipment Maintenance (GEM) Building (Building T-1451) and has a smaller metal building attached to the east.

During the inspection on September 4, 2012, the site was being used as an auto mechanic shop with numerous vehicles stored on the site which is allowed under the ICMP. No residential construction had occurred at the site. There were no indications that groundwater was being used at the site. This site has an excavation restriction sign approximately 70 yards

east of the building. The Navy conducted remedial actions in July 2012 at the East Canal shoreline west of the property. Actions included limited soil removal, replacement with amended clean fill, and installation of monitoring wells; however, these actions were not performed within the site boundaries. Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

2.5.1.4 ROICC Contractor's Area, USTs ROICC-7 and ROICC-8



Photograph 2-23. ROICC Contractor's Area – looking west

The Resident Officer in Charge of Construction (ROICC) Contractor's Area, underground storage tanks (USTs) ROICC-7 and ROICC-8 site is located north of the runways and downtown Adak in an unpopulated area, approximately 0.5 mile west of Kuluk Bay. The ROICC Contractor's Area site is approximately 0.86 acres. The ROICC structure is located on the western edge of the site. The site had several USTs on site which have since been removed. The history and use of the USTs are not documented, but the tanks were believed to have been used to collect and store diesel-range and heavier petroleum products. Limited groundwater monitoring was selected as the remedy for the ROICC-7 portion of the site. MNA and ICs were selected as the remedy for the ROICC-8 portion of the site. Because monitoring results between 1999 and 2003 revealed benzene concentrations in groundwater above endpoint criteria, the remedy was changed to monitored natural attenuation (ADEC 2005).

During the inspection on September 5, 2012, no changes to the site were observed compared to the 2011 inspection results. The site is currently not being used (Photograph 2-23). No residential construction had occurred at the site. No indications that groundwater was being used and no indications of excavation activities were found. An excavation restriction sign was present on site. Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

2.5.1.5 Runway 5-23, Avgas Valve Pit



Photograph 2-24. Runway 5-23, Avgas Valve Pit – looking north at former route of avgas transfer pipeline

Runway 5-23, Avgas Valve Pit is associated with an abandoned 6-inch-diameter aviation avgas transfer pipeline that supplied fuel to the Runway 5-23 truck fill stand. The site is located approximately 800 feet south of the southern end of Runway 5-23 and 50 feet west of a former truck fill stand. The pipeline has been closed and the site is not currently used (Photograph 2-24). This site is approximately 0.42 acres.

During the September 5, 2012 inspection, no changes to the site were observed compared to the 2011 inspection results. The site is currently not being used. No residential construction had occurred at the site. No indications of groundwater use or excavation activities were found.

An excavation restriction sign is present at the site. Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

2.5.1.6 SA 79, Main Road Pipeline

SA 79, Main Road Pipeline is associated with an abandoned fuel transfer pipeline that supplied fuel to SWMU 60, Tank Farm A, a former bulk fuel-storage facility located in the upland area west of the site and Runway 18-36. The pipeline has been closed and the site is not currently used. Consisting of approximately 0.5 acres, the site is located along the shoreline of Sweeper Cove and is adjacent to and south of the mouth of South Sweeper Creek (Photograph 2-25).



Photograph 2-25. SA 79, Main Road Pipeline - looking south across Sweeper Creek

During the September 6, 2012 inspection, no changes to the site were observed compared to the 2011 inspection results. The site is currently not being used. No residential construction had occurred, and no indications of groundwater use or excavation activities were found at the site. An excavation restriction sign was present on site and is located north of Sweeper Creek. ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

2.5.1.7 SWMU 60, Tank Farm A

Tank Farm A, designated SWMU 60, is a former bulk fuel-storage facility located in the upland area west of Runway 18-36. The remaining visible feature on site is the truck fueling platform, which was scavenged in 2009 by residents for the wood planks (Photograph 2-26). The site is approximately 200 feet south of Yakutat Creek and 900 feet west of South Sweeper Creek.

The fuel pipeline and seismic cable that were observed in 2011 were again observed during the September 5, 2012 inspection to be in operational use at this location, which is allowed under the ICMP. No residential construction had occurred at the site, and excavation restriction signs were clearly visible. No indications that groundwater was being used, and no evidence of excavation, digging, or disturbance to the soil or buried fuel pipes was found at the site. Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.



Photograph 2-26. SWMU 60, Tank Farm A - looking west at removed truck fueling platform

2.5.1.8 SWMU 61, Tank Farm B



Photograph 2-27. SWMU 61, Tank Farm B – looking northeast

Tank Farm B, designated SWMU 61, is located adjacent to and north of Runway 5-23. SWMU 61 is surrounded on three sides by water. North Sweeper Creek is located at the base of the hill to the south and east. An unnamed creek is located at the base of the hill to the north. This unnamed creek joins North Sweeper Creek at the eastern margin of the SWMU. Tank Farm B was historically used as a bulk fuel-storage facility located on a bluff north of Runway 5-23. Subsurface petroleum contamination remains on the site.

During the inspection on September 6, 2012, no changes to the site were observed compared to the 2011 inspection results. The site is currently not being used. No residential construction had occurred at the site. No indications that groundwater was being used and no indications of excavation activities were found at the site. Excavation restriction signs were clearly visible (Photograph 2-27). Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

2.5.1.9 Housing Area (Arctic Acres)

Constructed in 1975, Arctic Acres Housing Area is located in downtown Adak, east of Main Road and north of Kagalaska Drive. All housing units have been vacant since early 1996. Heating fuel was formerly delivered to each unit through underground pressurized steel pipelines connected to two 27,000-gallon steel ASTs. The petroleum contamination came from leaking pipes. The IC restricted area is approximately 0.14 acres.



Photograph 2-28. Housing Area (Arctic Acres) – looking northwest

The housing units remain uninhabited, and the site is currently not being used. No excavations and no residential construction were observed at the site during the September 4, 2012 inspection. Excavation restriction signs are clearly visible (Photograph 2-28). No indications that groundwater was being used were observed. Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

2.5.2 Free Product Recovery Petroleum Sites

Free product recovery, monitored natural attenuation and ICs were selected as remedies at the following downtown sites: General Communications, Inc. (GCI) Compound; Naval Mobile

Construction Battalion (NMCB) Building T-1416; SA 80, Steam Plant 4; South of Runway 18-36; SWMU 17, Power Plant 3 Area; SWMU 62, New Housing Fuel Leak Area; and Tanker Shed.

Limited groundwater monitoring and ICs were selected at the following downtown sites: North Pacific (NORPAC) Hill Seep Area and Yakutat Hangar. The decision document for SWMU 17, Power Plant 3 Area was finalized in December 2006, and the selected remedy was monitored natural attenuation and ICs. In 2007, Yakutat Hangar received conditional closure from ADEC and was placed on NFRAP status, with IC inspections continuing to be performed. In 2011, NORPAC Hill Seep Area received a status of “Cleanup Complete with ICs” from ADEC. SWMU 17, Power Plant No. 3 Area is also a CERCLA site and was previously discussed in Section 2.2.5.

2.5.2.1 GCI Compound (UST GCI-1)



Photograph 2-29. GCI Compound (UST GCI-1) – looking west

The GCI Compound (UST GCI-1) site is located near the housing area and adjacent to the Main Road. The ground surface at this site consists of a level gravel lot with patches of grass within the fenced enclosure and an extensive level area covered with native grasses outside

the fenced area (Photograph 2-29). The closest surface water body, East Canal, is located approximately 1,000 feet southwest of the site. A UST was removed from the site in 1995. Free product recovery has ceased at the site, and the final remedy for the GCI Compound is monitored natural attenuation.

During the inspection on September 5, 2012, no changes to the site were observed compared to the 2011 inspection results. No residential construction had occurred at the site, and excavation restriction signs are clearly visible. No indications of groundwater use or excavation activities were found at this site. Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

2.5.2.2 NMCB Building Area, T-1416 Expanded Area

The NMCB Building Area, T-1416 Expanded Area site is part of the back-beach lagoon area used in World War II. A woodworking shop and supply depot was built at this site in the early 1940s. In the 1940s, the area was also used as a machine shop for overhauling ships. Several abandoned and inactive fuel pipelines cross the site, including the same abandoned pipeline that crosses South of Runway 18-36. No documented releases of petroleum have been recorded in this location. However, in September 1990 an abandoned fuel line located near the southeast corner of Runway 18-36 was uncovered during installation of a new fuel line adjacent to Main Road. The abandoned fuel line reportedly was a source of subsurface fuel contamination, and residual product was observed in the excavated trench. Petroleum was found in wells at the NMCB site as a result of an OU A site investigation. A detailed site investigation report was completed for this site in December 1998. The final remedy for the NMCB Building Area, T-1416 Expanded Area site is ICs, free product recovery, and monitored natural attenuation.

Two storage buildings are located at the site. These buildings are currently being used for commercial purposes and equipment storage. During the inspection on September 4, 2012, no indications that groundwater was being used were found at this site. No residential construction has occurred at the site. No indications of excavation activities were found, and excavation restriction signs are clearly visible. No indications of a change in land use in this area were found compared to last year.

As observed during previous inspections, rock debris was being stored on the south side and between the two buildings. Five poly drums not belonging to the Navy, were observed to be located in the same place on the south side of the west building and appeared to contain oil (Photograph 2-30). An approximately 5-foot-diameter area of oil-stained soil was still present under the drums. A portable, 150-gallon gasoline tank was located on the west side

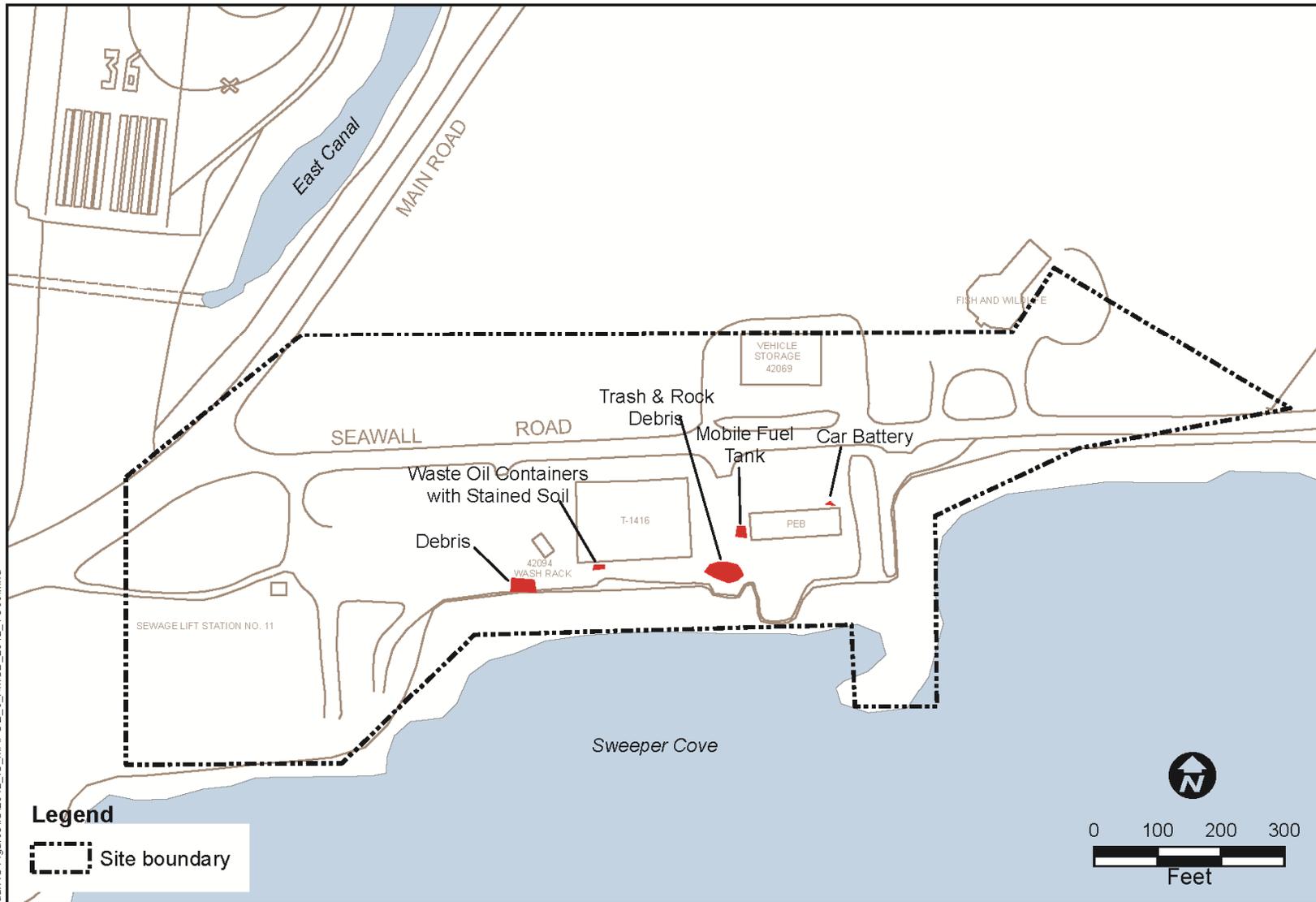
of the east building in a lined, bermed area which is in poor condition. One car battery remains on the northeast corner of the east building (Figure 2-6). Because these poor housekeeping practices may be contributing to groundwater contamination, it is recommended that the owners be notified to remove the on-site wastes, address the areas of actual or potential spills, and improve housekeeping practices.



Photograph 2-30. NMCB Building Area – looking east toward drums stored on the south side of the building

2-44

DEC 19, 2012
 Path: F:\Adak\GIS\Files\Adak_IC_Figures\IC2012_IC_MAPS\2_6_NMCB_2012_TO55.mxd



U.S. NAVY	SEALASKA	Figure 2-6 NMCB Expanded Area	Task Order 55 Adak Island, AK 2012 IC Inspection Report
-----------	----------	--	---

2.5.2.3 NORPAC Hill Seep Area



Photograph 2-31. NORPAC Hill Seep Area - looking west

NORPAC Hill was a former bulk fuel storage area located at the top of the hill to supply housing and infrastructure built at its base in 1964 (Photograph 2-31). Army barracks and mess halls supplied with heating fuel from NORPAC Hill fuel storage also previously occupied the area. Petroleum products from leaks and spills flowed down the hill and entered the groundwater along its base and flowed eastward toward Kuluk Bay, which is adjacent to the site. The final remedy for the NORPAC Hill seep was limited groundwater monitoring, but the site received conditional closure from ADEC in 2011 when endpoint criteria were achieved.

During the inspection on September 4, 2012, no changes to the site were observed compared to the 2011 inspection results. No residential construction has occurred at the site, and no indications of groundwater use or excavation activities were found. Excavation restriction signs were clearly visible. Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

2.5.2.4 SA 80, Steam Plant 4, USTs 27089 and 27090

The SA 80, Steam Plant 4, USTs 27089 and 27090 site is located in the northern end of downtown Adak, approximately 2,500 feet southwest of NORPAC Hill. The regional topography in this vicinity slopes gently toward the southwest; however, the general topography of the site is flat to slightly undulating. Kuluk Bay is approximately 2,500 feet east of the site. The closest downgradient surface water body is East Canal, located approximately 1,400 feet west of the site.

Steam Plant 4 was used to supply steam to various buildings in the area. The plant was built in the late 1940s and was operational until 1995, when an earthquake severed the main steam line that connected the steam plant to buildings in the area. USTs 27089 and 27090 were installed in 1950, and stored JP-5 fuel was used for the boilers in the steam plant. Two releases were reported to have occurred at the site: in June 1991, a release of approximately 50 to 70 gallons occurred when a fill hole ruptured while the tanks were being serviced; and in May 1995, before UST 27089 was removed, trace amounts of fuel reportedly dripped into surrounding soils from the ends of a section of the Main Road Pipeline.



Photograph 2-32. SA 80, Steam Plant 4 – looking south

The final remedy for SA 80 is monitored natural attenuation and ICs. During the inspection on September 5, 2012, no changes to the site were observed compared to the 2011 inspection results. No residential construction had occurred at the site. No indications of groundwater use or excavation activities were found. Excavation restriction signs were clearly visible (Photograph 2-32). Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

2.5.2.5 SWMU 62, New Housing Fuel Leak Area

This site contains Sandy Cove Housing and Eagle Bay Housing, which were built in 1986 and 1987, respectively, and are currently being used as residential housing (Photograph 2-33). JP-5 heating fuel was used for both housing areas. Fuel was stored in six ASTs near the area and was distributed to housing units through underground pipes. An investigation in response to reported fuel odors found a total of 21 fuel-pipe leaks. These leaks were repaired in 1988 and 1989.



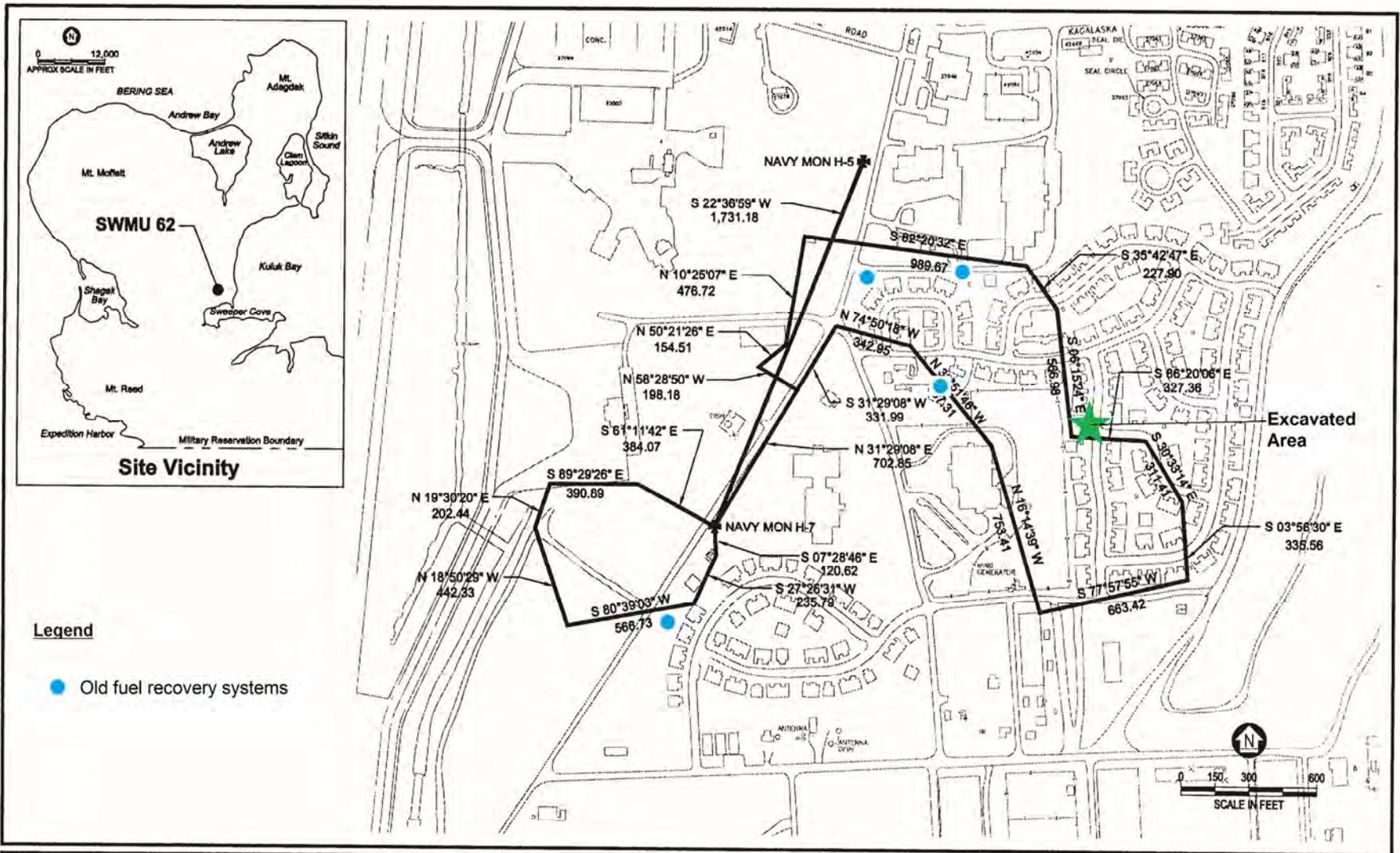
Photograph 2-33. SWMU 62, New Housing Fuel Leak – Housing unit 140D with excavated areas looking west

In 1989, a large fuel recovery system was installed near Sandy Cove and Eagle Bay Housing areas. In October 1996, the original system was modified to include 25 recovery wells and four treatment units. The wells are spread out over a large area and encompass several free product groundwater contaminant plumes. As of 2000, free product recovery using the 1996 installed system was discontinued due to diminished recovery volumes. During 2006 and in response to the observance of floating free product in various wells at SWMU 62, a passive product recovery trench was installed at Eagle Bay Housing near East Canal. Free product recovery has been conducted with this system since that time.

During the September 4, 2012 inspection, one excavated area, approximately 7 feet by 7 feet and less than 2 feet deep, was observed in front of housing unit 140D (Photograph 2-33, Figure 2-7). These excavated areas are located outside the site boundary to the east. An excavation notification was not submitted to the Navy. It is recommended that the City and TAC be contacted in an attempt to determine the cause and purpose of the excavation and then to notify the appropriate party that notifications are required for excavations in the downtown area.

With exception to the excavated area, no changes to the site were observed compared to the 2011 inspection results. No residential construction had occurred at the site. No indications of groundwater use were found. Excavation restriction signs were clearly visible. No indications of tampering with the product recovery trench were observed. The four old, abandoned fuel recovery systems observed during the 2011 inspection were removed in November 2012. All other ICs appear to be functioning as intended.

2-49



2.5.2.6 South of Runway 18-36 Area

South of Runway 18-36 Area consists of a large portion of downtown Adak that surrounds the lower reach of South Sweeper Creek. The area includes land surrounding the area south of the southern end of Runway 18-36 and west of Main Road to South Sweeper Creek. Topography at South of Runway 18-36 Area is relatively flat, low-lying land. South Sweeper Creek is a tidally influenced stream that divides the area. East Canal, West Canal, and Crossover Canal all lay within the site. A remedial action was completed in August 2006 that included installation of a fuel recovery trench along the south end of South Sweeper Creek (Photograph 2-35). Product recovery has been discontinued at this site because endpoint criteria have been met.



Photograph 2-34. South of Runway 18-36 - looking northeast from south end of Runway 18-36 at yellow recovery trench wells and sign

During the inspections on September 4, 2012, no changes to the site were observed compared to the 2011 inspection results. No residential construction had occurred at the site. No indications of groundwater use or excavation activities were found at the site. No excavations were identified during the inspection, and excavation restriction signs were clearly visible. The product recovery trench system located onsite is no longer in use as

agreed upon with ADEC. ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

2.5.2.7 Tanker Shed, UST 42494



Photograph 2-35. Tanker Shed UST 42494 – looking southwest and abandoned remediation system

Located approximately at the mid-point between Main Road and Runway 18 36 in downtown Adak, Tanker Shed was used to perform maintenance on the tanker trucks that transported fuel for the housing area heating system and for aircraft refueling. It is not known when Tanker Shed was built, but based on the type of construction it was likely in the 1960s. UST 42494 was installed at the site in 1985 to collect used oil generated during vehicle maintenance and to collect fluids from the oil/water separator system. The oil/water separator system was connected to the catch basin associated with the truck wash rack. Most of the land surface around Tanker Shed is flat and paved with concrete or asphalt (Photograph 2 36); the land surface immediately east of the building is unimproved and covered with tundra grass. The regional topography in this vicinity slopes to the west. The closest downgradient surface water body is East Canal, which is located approximately 800 feet west of former UST 42494.

The final remedy for the Tanker Shed site is monitored natural attenuation and continued free product recovery. During the inspection on September 5, 2012, no changes to the site were observed compared to the 2011 inspection results. An abandoned remediation system was still observed on site which contains two 55-gallon drums and hoses in a poly container (Photograph 2-36). This system was removed from the site in November 2012. The site appeared to not be in use. No residential construction had occurred at the site, and no indications of groundwater use or excavation activities were found. Excavation restriction signs were clearly visible at the site. Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

2.5.2.8 Yakutat Hangar, UST T-2039-A



Photograph 2-36. Yakutat Hangar – looking southeast at excavation restriction sign

The Yakutat Hangar site is located approximately 1,800 feet west of Runway 18-36 and approximately 1,500 feet south of the west end of Runway 5-23. Building T-2039 was built in the 1940s as an airplane hangar (Photograph 2-37). An automobile repair garage was constructed on the site some time later. Sometime in the 1970s the hangar was converted from its original use to house additional automobile repair and automobile hobby shop facilities. UST T-2039-A was installed in 1979 about 17 feet north of Yakutat Hangar which

stored oil generated by auto repairs at Building T-2039. When UST T-2039 was removed in September 1993, it showed no signs of corrosion.

In 1996, the Navy discovered free product in a drainage ditch to the northwest of Yakutat Hangar. Temporary well points were installed in 1997 to evaluate the extent of free product and identify the source. The source of the free product plume was attributed to leaks from an underground heating pipeline that connects the AST located west of the hangar to the heating system in the hangar. A free product recovery system consisting of an interceptor trench located immediately upgradient of the former ditch was installed in 1997. Product recovery was completed in 2001. Limited groundwater monitoring has been selected as the final cleanup remedy. In 2007, Yakutat Hangar received conditional closure from ADEC and is placed on NFRAP status with IC inspections continuing to be performed.

During the inspection on September 5, 2012, no changes to the site were observed compared to the 2011 inspection results and the site appeared to not be in use. No residential construction had occurred at the site. No indications of groundwater use or excavation activities were found. Excavation restriction signs were clearly visible (Photograph 2-37). Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

3. INSTITUTIONAL CONTROL SITE INSPECTIONS AT OU A REMOTE AREA SITES

3.1 REMOTE AREA CERCLA SITES (EXCEPT LANDFILLS)

The primary purpose of the ICs for the CERCLA sites in the Remote Area is to verify compliance with land use assumptions used in establishing cleanup levels, thereby decreasing the probability of adverse effects to human health due to exposure to residual chemicals. The anticipated future use was an important consideration in determining the level of protectiveness required at the sites. For example, the CERCLA sites in the remote areas are located in former industrial areas, and the anticipated land use is expected to remain industrial based on the information available when the remedies were selected in the OU A ROD. The residual chemicals that remain at some remote area sites are safe for workers and recreational activities, but they may not be safe for full-time residents living on the property. These were determined as ICRs and are discussed for each site in the context of the chemical or chemicals that pose the potential ICR. For many of these sites, the ICR exceeds the ADEC requirement that cumulative risks do not exceed 1×10^{-5} for residential use. That standard is more stringent than the EPA risk range of 1×10^{-4} to 1×10^{-6} that also can take into account different land use and exposure scenarios.

For the purposes of inspection and reporting, the following ICs that are required for the Remote Area CERCLA sites are presented in Table 1-1 and are documented below:

- Land Use Restrictions – For the sites listed in this subsection, residential construction is prohibited. Both recreational use and commercial and industrial land uses are allowed.
- Equitable Servitude – The provisions of the Equitable Servitude have been incorporated in the Interim Conveyance transferring the property to TAC.
- Soil Excavation Prohibition – For SWMU 21A, White Alice Upper Quarry and SWMU 67, White Alice PCB Spill Site, excavation is prohibited to protect the cap and prevent exposure to contaminants. Excavation for the purpose of installing a domestic use groundwater well is also prohibited.
- Soil Excavation Notifications – For SWMU 20, White Alice/Trout Creek Disposal Area; SWMU 23, Heart Lake Drum Disposal Area; and SWMUs 52, 53, 59, Former Long-Range Navigation (LORAN) Station. At the Former LORAN Station, excavation notifications are required for excavations below 2 feet. The notifications,

discussed later, are evaluated to determine whether or not the proposed excavation is consistent with the land use restrictions.

3.1.1 SWMU 20, White Alice/Trout Creek Disposal Area

This 10.61-acre site occupies a hillside and floodplain area below the former White Alice complex about two miles west of downtown. The site consists of two distinct topographic environments: 1) a steep northwest-facing hillside, approximately 200 feet wide and 500 feet long, covered with native vegetation and debris; and 2) a portion of the heavily vegetated, marshy Trout Creek floodplain, at the base of the hillside. It was originally investigated because several 55-gallon drums and other debris (apparently originating from the closure of the White Alice facility in the 1980s) were disposed of on the hillside and in the valley below. A removal action was conducted in 1992 to remove about one-hundred 55-gallon drums and other debris. Approximately seven cubic yards of PCB-affected soils were also removed. Aroclor 1260 was identified in the OU A ROD as a COPC.



Photograph 3-1. SWMU 20, White Alice/Trout Creek Disposal Area – looking north down towards Trout Creek

During the inspection on September 5, 2012, no indications of a change in land use in this area were found. No residential construction had occurred at the site. No indications of excavation activities were found, and no excavation notifications had been filed the previous year for this site. IC repairs were made to the eroded cliff face in 2010 which included re-grading and re-seeding. No erosion to the cliff face was observed during the 2012 inspection and the 2010 repairs have remained intact (Photograph 3-1). Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

3.1.2 SWMU 21A, White Alice Upper Quarry



Photograph 3-2. SWMU 21A, White Alice Upper Quarry – looking southeast

This 3-acre site is an abandoned quarry along the access road to the former White Alice radar array facility, located about 2 miles west of downtown Adak. The site was evaluated under CERCLA because drums of PCB-containing oil were disposed of in the area and PCBs were identified in the soil. Although there are no formal records to confirm this, anecdotal information indicates that during demolition of the White Alice facility (1980 to 1982), drums containing transformer oil were disposed of at (or in the vicinity of) SWMU 21A. A removal action was conducted in 1992 to remove 780 cubic yards of

PCB-affected soils. A soil cover with a 20-millimeter liner was placed over areas of residual PCBs to minimize direct exposure to and possible migration of residual PCB. Removed soils were disposed of beneath the SWMU 67, White Alice PCB Spill site cap. Aroclor 1260 was identified in the OU A ROD as the COPC.

During the inspection on September 5, 2012, no changes to the site were observed compared to the 2011 inspection results. No residential construction had occurred at the site. No excavations were identified during the inspection and excavation restriction signs were clearly visible (Photograph 3-2). The site appeared not to be in use. Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

3.1.3 SWMU 23, Heart Lake Drum Disposal Area



Photograph 3-3. SWMU 23, Heart Lake Drum Disposal– looking west

This site is located in an undeveloped field about two miles southwest of downtown Adak. It occupies a hillside between two small, unnamed lakes less than 0.5 miles from Heart Lake (Photograph 3-3). The site, 7.19 acres, was apparently used to dispose of about twenty drums and one storage tank in the 1940s. The original contents of the drums are unknown. When

they were removed in 1994, all the drums and the storage tank were empty, and no evidence of releases was observed. Arsenic was identified in the OU A ROD as the COPC for this site.

During the inspection on September 5, 2012, no changes to the site were observed compared to the 2011 inspection results. No residential construction had occurred at the site. The site appeared not to be in use. No excavations were identified during the inspection and excavation restriction signs were clearly visible. Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

3.1.4 SWMUs 52, 53, and 59, Former LORAN Station



Photograph 3-4. SWMUs 52, 53, and 59, Former LORAN Station – looking east

The Former LORAN Station is located on a northwest-facing promontory along the Bering Sea coastline on the northwest flank of Mount Adagdak. The station, which consists of three buildings in varying stages of disrepair, occupies a bench about 150 feet above MLLW (Photograph 3-4). In addition to the buildings, this site includes two debris disposal areas, one along the western slope below the building bench and the other on the northern slope accessed by a higher road. No other developments are within about a 1.0-mile radius of the

site. The station is about 6.5 miles from downtown Adak, and roads to the site have not been maintained for several years. The site was constructed between 1948 and 1950 to support Naval and Coast Guard navigation, and the station was closed in 1979. It was proposed for investigation under CERCLA because debris, including radio equipment, was left in the buildings after closure and additional debris was disposed of on the western and northern slopes. Debris and unused hazardous material were removed from the site in 1990 and 1991 during the initial site investigations. In addition, two 10,000-gallon JP-5 tanks and one 10,000-gallon gasoline tank were removed from the site. Two COPCs were identified in the OU A ROD for this site, including benzo(a)pyrene and arsenic.

During the inspection on September 6, 2012, no changes to the site were observed compared to the 2011 inspection results. No indications of excavation activities were found and excavation restriction signs are clearly visible. Some recreational use of the site was evident which included graffiti and empty beverage cans but was within the requirements of the ROD. The site is not accessible by on-road vehicles due to a landslide on the access road approximately a mile from the site. Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

3.1.5 SWMU 67, White Alice PCB Spill Area

This site is a former military communications complex located about two miles west of downtown Adak. It is situated on a flattened hilltop approximately 500 feet in elevation and consists of three building foundations and abandoned concrete pads surrounded by graded gravel. The White Alice complex, constructed in 1956, consisted of large transmitting and receiving dish antennas. The site was dismantled between 1980 and 1982. During demolition, PCB-containing oil was spilled throughout the complex. Based on the results of the investigations and the estimated risk associated with PCBs, primarily Aroclor 1260, a multi-layered cap was placed on this site as a removal action. Because of the capped area, no excavation is allowed unless authorized by the Navy. Following completion of the removal action, four solar-powered enclosures containing radio receivers and transmitters, and a small radio tower were installed on the east side of the site, well off the cap. The enclosures were installed by the Alaska Volcano Observatory in 2003.



Photograph 3-5. SWMU 67, White Alice PCB Spill Area –
looking southwest at the new cell tower

During the inspection on September 5, 2012, a new cellular tower and building within a fenced area was observed to be installed where the new concrete pads were observed during the 2011 inspection (Photograph 3-5). No new excavation was observed at this site. The use of the communication equipment onsite is consistent with intended reuse. No indications of a change in land use in this area were found. Excavation restriction signs are clearly visible. Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

3.2 REMOTE AREA LANDFILLS

For the purposes of inspection and reporting, the following ICs are required at the landfill sites:

- Land Use Restrictions – The landfills may be used for recreational use or any other activity that does not adversely impact the integrity of the landfill covers, containment, or monitoring systems.
- Equitable Servitude – The provisions of the Equitable Servitude have been incorporated in the Interim Conveyance transferring the property to TAC.
- Soil Excavation Prohibition – Landfill excavation is absolutely prohibited to protect receptors from direct exposure to landfill contaminants and to protect the landfill cap.

3.2.1 SWMU 2, Causeway Landfill



Photograph 3-6. SWMU 2, Causeway Landfill – looking northwest

SWMU 2 was a former landfill that was operated from the mid-1950s to the early 1960s. It is located about seven miles from downtown, on the eastern side of Clam Road on a narrow strip of land separating Clam Lagoon from Sitkin Sound. The landfill reportedly received waste materials that included sanitary trash, construction debris, scrap equipment, and other refuse generated by Naval Security Group Activity (NSGA). Site features are generally flat, with a predominantly cobble and gravel surface cover that is heavily vegetated. The Causeway Landfill is approximately 6.36 acres and is not fenced.

During the inspection on September 3, 2012, no changes to the site were observed compared to the 2011 inspection results. No residential construction or excavation had occurred at the site. Engineering controls that were implemented at SWMU 2 include signs and soil cover. At the time of inspection, the landfill cap appeared to be intact and undisturbed with good vegetative cover and no evidence of ponding. Three landfill notification signs were intact and visible along the road (Photograph 3-6). Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

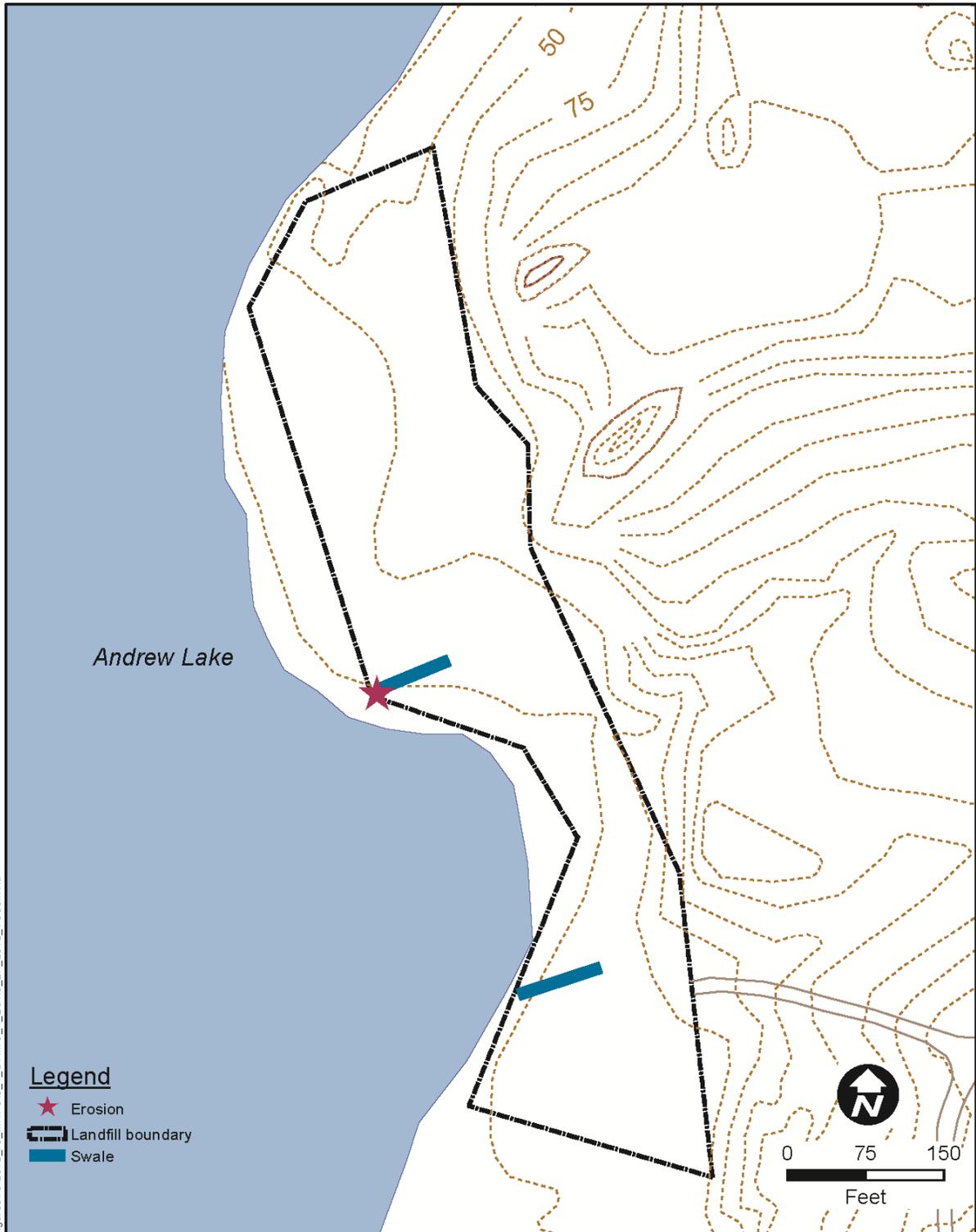
3.2.2 SWMU 4, South Davis Road Landfill

SWMU 4, South Davis Road Landfill, is the site of a former 3.91-acre landfill that was operated from the early to late 1940s. It is believed to have been closed with a soil and rock cover in the late 1940s. The former landfill is on the eastern shore of Andrew Lake, about 3 miles north of downtown. It is believed to be filled with construction debris and waste generated by the construction and subsequent demolition of Albert Mitchell Airfield, which used to occupy the area between Andrew Lake and Clam Lagoon. The vegetative soil cover was placed on the site in 1999. Engineering controls that were implemented at SWMU 4 include landfill notification signs and a soil cover.



Photograph 3-7. SWMU 4, South Davis Road Landfill - looking northwest at west end of northern swale erosion

During the inspection on September 3, 2012, the erosion observed during the 2011 inspection at the west end of the northern swale was still present (Photograph 3-7, Figure 3-1). A silt fence that had been installed here was observed to be torn with rocks and sediment piled on top. It is recommended that the silt fence and eroded area be repaired. No other indications of a change in land use in this area were found and no residential construction had occurred at the site. No indications of excavation activities were found and restriction signs were clearly visible. The landfill cap was well vegetated.



Date: 12/18/2012
F:\Adak GIS Files\Adak IC Figures\IC2012_IC_MAPS\3_1_SWMU_4_Davis_LF_2012_TO55.mxd

U.S. NAVY SEALASKA		Figure 3-1 SWMU 4, South Davis Road Landfill	Task Order 55 Adak Island, AK 2012 IC Inspection Report
---------------------------	--	---	--

3.2.3 SWMU 11, Palisades Landfill

Palisades Landfill, located approximately three miles north of downtown Adak, was used as the primary disposal area for all of Adak Island from the 1940s to approximately 1970. The 12.08-acre landfill covers portions of the coastal uplands adjacent to Kuluk Bay and part of a ravine, which opens immediately to the bay. The ravine is about 1,200 feet long, 5 feet to 300 feet wide, and 5 feet to 150 feet deep, with a small stream (Palisades Creek) running through it. The upper reaches of the ravine is gently sloped but the lower reaches drop steeply to Kuluk Bay, approximately 200 feet below. Wastes within the landfill include, but are not limited to, sanitary trash, construction waste, and scrap vehicles. Capping of the upper portion of the landfill was completed in 1996. Material and debris located in the ravine were not capped due to the steep slopes and other engineering constraints.

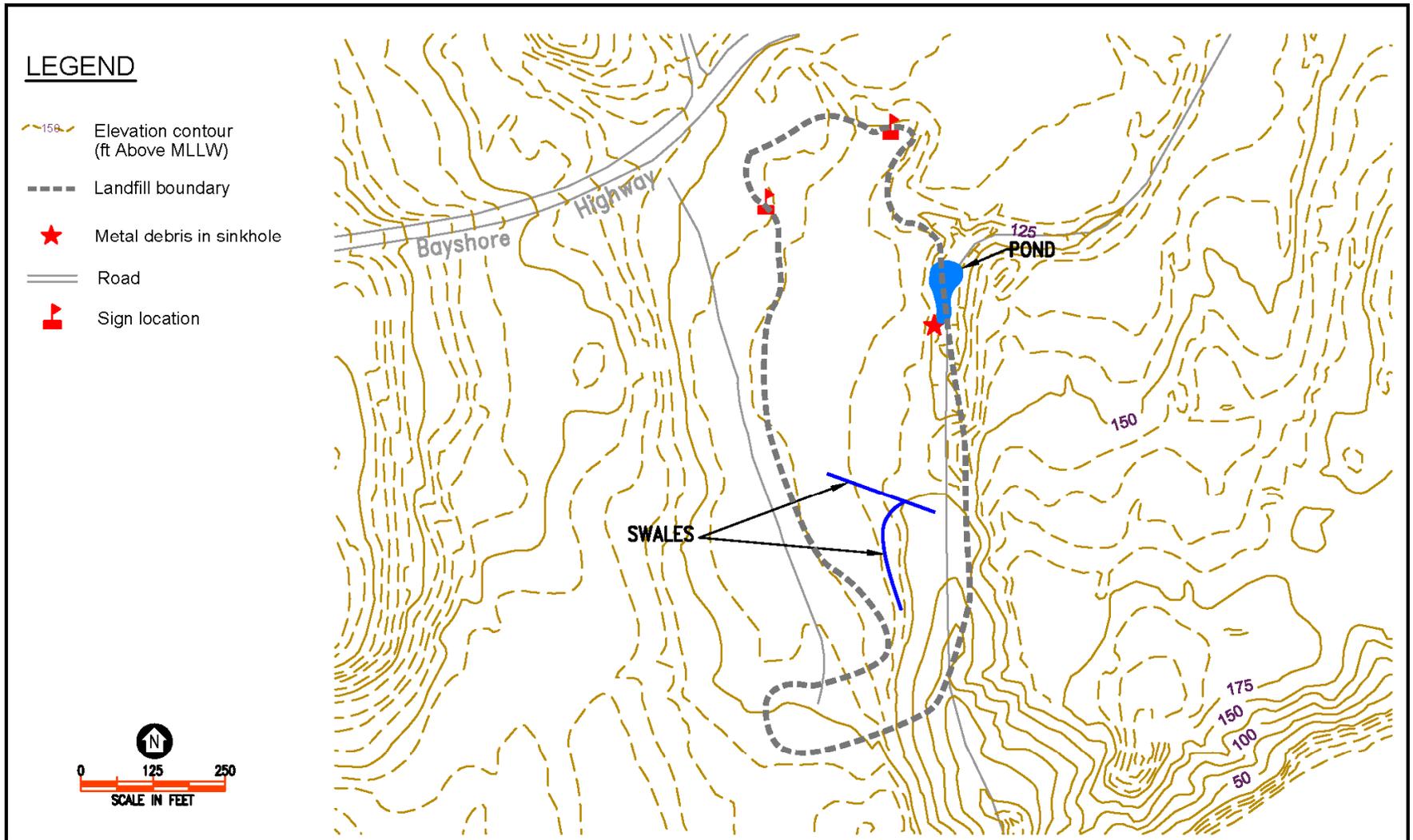


Photograph 3-8. SWMU 11, Palisades Landfill – looking northwest at water from the pond flowing into the sinkhole with debris

The pond with metal debris located in the ravine on north central portion of landfill noted during previous inspections was observed during the 2012 inspection, but it was much larger with elevated water levels due to extensive rain prior to and during the inspection. The pond was approximately 40 feet across at its widest and filled the ravine approximately half way (Figure 3-2). Water was observed flowing into the previously noted sinkhole at the southern end of the pond (Photograph 3-8). Although, it could not be visually confirmed, it is presumed the water was flowing underground and exiting further down the ravine. The sinkhole, which was repaired in 2010, contains metal debris. The sinkhole was approximately 10 feet in diameter with an unknown depth. Metal debris was also observed in the pond and protruding along the water's edge on the west side of the pond. It is recommended that the sinkhole be repaired and that the condition of the culvert that is supposed to drain the pond be evaluated. It is further recommended that during the next IC repairs that the culvert in the pond will be inspected for functionality and that solutions for repair will be recommended as required.

During the inspection on September 3, 2012, the sign northwest of the landfill was observed to be blown over, and the sign northeast of the landfill is leaning. It is recommended that these signs be repaired. Swales were in good condition, and cap was heavily vegetated and appeared in good condition. No indications of a change in land use in this area were found and no residential construction had occurred at the site. No indications of excavation activities were found. Therefore, ICs appear to be functioning as intended to protect humans and the environment.

3-13



<p>U.S.NAVY SEALASKA</p>	<p align="center">Figure 3-2 SWMU 11, Palisades Landfill</p>	<p>Task Order 55 Adak Island, AK 2012 IC INSPECTION REPORT</p>
---------------------------------	---	---

P:\SEALASKA\ADAK\TO 55\2012 IC\FIG 3-2.DWG
 PLOT/UPDATE: DEC 18, 2012

3.2.4 SWMU 18, South Sector Drum Disposal Area and SWMU 19, Quarry Metal Disposal Area (White Alice Landfill)

The White Alice Landfill is located about 2 miles west of downtown and includes SWMUs 18 and 19. The site lies on a relatively flat area, 440 feet above MLLW. Surface water runoff from the site drains toward Trout Creek, about 750 feet to the west. The landfill site encompasses approximately 15.41 acres. The landfill contains predominantly wood debris in one half and asbestos in the other. It was closed and covered per State of Alaska regulations in 1997. Closure entailed placement of a soil cover over the landfill, grading and contouring, surface water/erosion controls, access restrictions, and installation of a vegetative cover per Alaska solid waste landfill closure requirements. Engineering controls that were implemented at SWMUs 18 and 19 include a soil cover, swales, signs, and fencing.

During the inspection on September 5, 2012, no indications of a change in land use in this area were found and no residential construction had occurred at the site. No indications of excavation activities were found. The pipe swing gate at the entrance is in good condition. Except as noted below, signage and fencing were in good condition around the entire perimeter of the landfill. The landfill cap appeared to be intact, undisturbed, and well-vegetated except at the sparsely vegetated area near the old building foundation described below.

The following items were noted during the 2012 inspection which are described below and illustrated on Figure 3-3:

- Ponding observed during the 2011 inspection outside and adjacent to the northern landfill perimeter fence is still present. This pond receives surface water from the northeast swale and roadside ditch. This ponding did not appear to be affecting the cap integrity in 2012.
- The area observed in 2011 to be sparsely vegetated on the northern portion of the landfill has re-vegetated and no longer exists.
- A sparsely vegetated 50 x 100 ft area near the old building foundation on the south inside the fence was observed previously in 2011 and was still present in 2012 but appears to be stable.
- The eroded area approximately 100 feet by 30 feet by 100 feet triangle outside the landfill on the southwest on the cliff is still present but appears to be stable and in the same condition as observed in 2011. It is currently not affecting landfill cap integrity but will continue to be monitored for stability and possible encroachment into the landfill.



Photograph 3-9. SWMUs 18 and 19, White Alice Landfill – looking north at southern swale with exposed liner

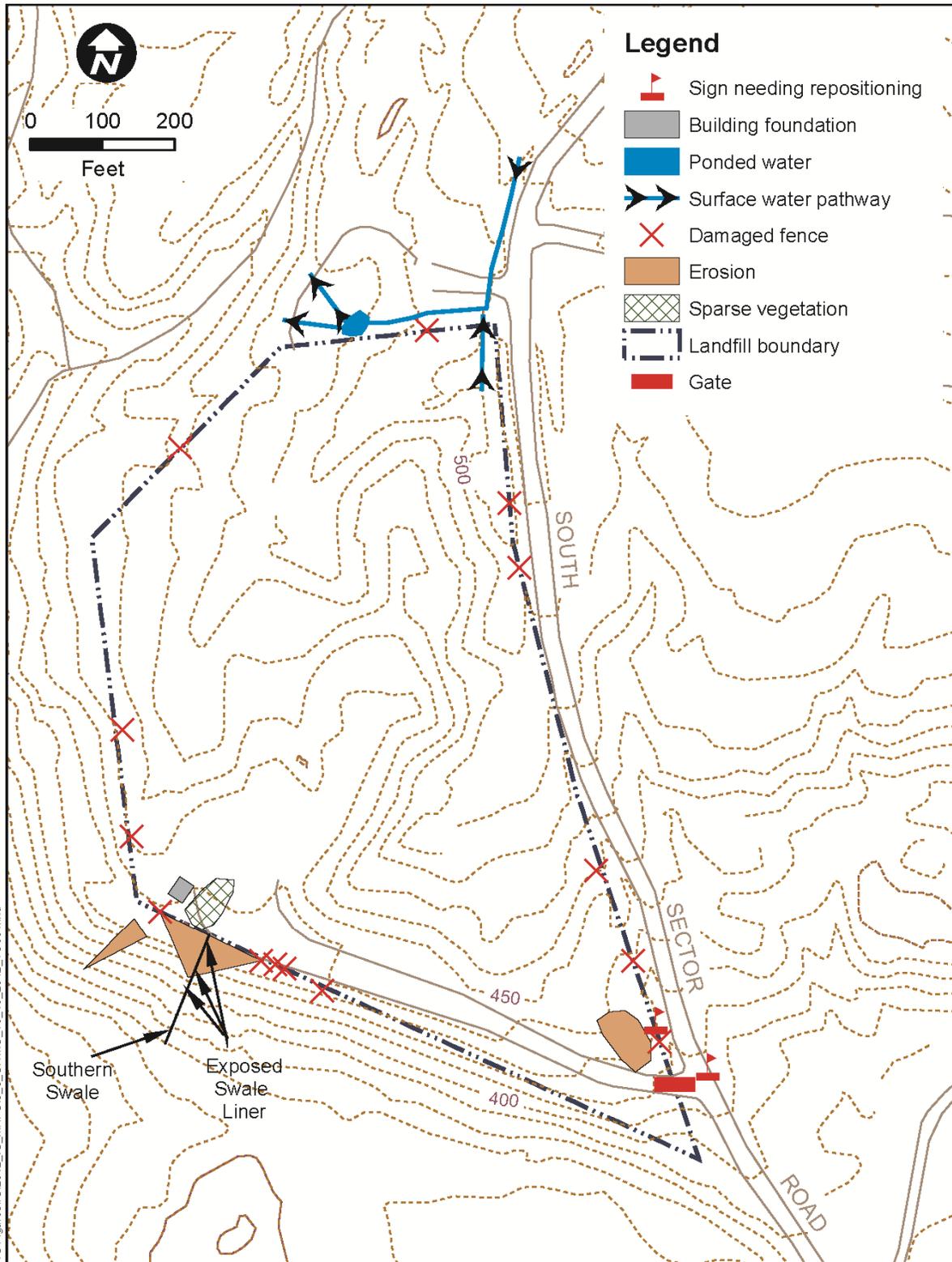
- The repaired and re-seeded eroded area on the southern boundary at the top of the swale appears to be stable but re-vegetation efforts have not been successful. The seeded area at the top of the swale outside of the fence is approximately 150 feet by 75 feet is still not vegetated and could be susceptible to future erosion (Photograph 3-9).
- The swale coming from the southern boundary has three areas of exposed liner where the gravel has slid off (Photograph 3-9).
- The sign next to the gate at the entrance is partially obscured by vegetation and should be moved or raised.
- An eroded area was observed on the southeast side of the site behind the sign by the south entrance gate. The eroded area is 42 feet by 96 feet but is not on the cap (Photograph 3-10).
- A total of seventeen sections of fencing are in need of repair on the north, south, east and west perimeters.
- One sign on the west perimeter fence needs to be reattached.

Based on the 2012 IC inspection findings, the following repairs and actions are recommended:

- Continue to monitor the ponding outside the northern landfill boundary for potential erosion along the fence line.
- Seed and fertilize the eroded area north of the entrance gate.
- The non-vegetated areas will be re-seeded. Use of other tundra mixes than what has been used previously will be investigated to yield better re-seeding results..
- Re-rock the swale so the liner is not exposed. Install some type of flow dissipater within the channel at several locations to prevent rock from sliding down the incline.
- Move the sign near the gate so the vegetation does not obscure it.
- Repair broken fencing.
- Re-attach the fallen sign.



Photograph 3-10. SWMUs 18 and 19 White Alice Landfill – looking southeast at the eroded area north of the southeast gate



DEC 19, 2012
 F:\Adak GIS Files\Adak IC Figures\IC2012_IC_MAPS\3_3_SWMU_18_19_2012_TO55.mxd

<p>U.S. NAVY</p>	<p>SEALASKA</p>	<p align="center">Figure 3-3 SWMU 18/19, White Alice Landfill</p>	<p>Task Order 55 Adak Island, AK 2012 IC Inspection Report</p>
-------------------------	------------------------	--	---

3.2.5 SWMU 29, Finger Bay Landfill

SWMU 29 is located about 0.5 miles south of Sweeper Cove and 1,800 feet north of Finger Bay, adjacent to Finger Bay Road. It is situated in a low-lying area at the base of a hill. Much of the site is marshy with one small hill in the center of the site and some rocky outcrops. The extent of the landfill is approximately 5.95 acres; the average surface elevation is about 100 feet above MLLW. A perennial stream is located near the north boundary of the landfill; smaller intermittent streams are located both on and adjacent to the landfill. A wetland is located to the south of the landfill (Figure 3-4). The depth of the landfill is about 5 feet to 10 feet. It was reportedly used for waste disposal between 1972 and 1975. The materials placed in it include, but are not limited to, municipal and industrial refuse and construction debris. A soil cover was placed over portions of the site when disposal practices ceased. Engineering controls that were implemented at SWMU 29 include signs and a soil cover.



Photograph 3-11. SWMU 29, Finger Bay Landfill – ponded water with debris on central portion of landfill

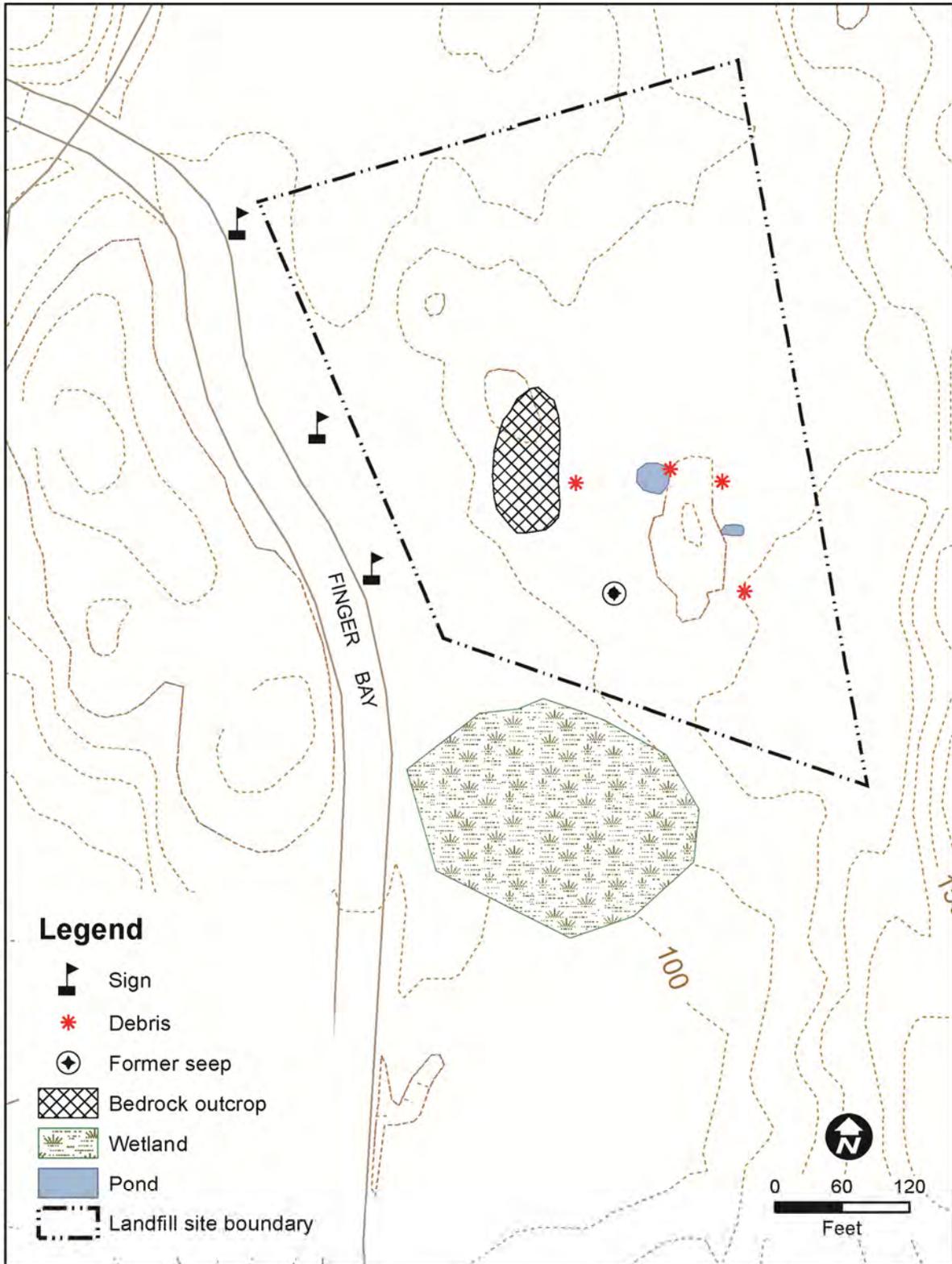
During the inspection on September 4, 2012, no indications of a change in land use in this area were found and no residential construction had occurred at the site. No indications of excavation activities were found and excavation restriction signs were clearly visible.

Much of the area is marshy with thick tundra. Due to recent rains, saturated ground, ponding, and overland surface water flow were observed across the site. The water levels in the ponds noted in 2012 were elevated compared to the 2011 inspection. Surface water was observed on the north, east, and south sides of the site in the marshy areas flowing down from the higher elevation to the east. The pond observed on east side of site high point in 2011 was observed to be approximately 5 feet by 20 feet in size during the 2012 inspection. The pond observed in 2010 and 2011 containing wood and metal debris which is located in the central section of the landfill was estimated to be approximately 30 feet in diameter in 2012 (Photograph 3-11). The metal and wood debris observed in the pond in the central portion of the landfill in 2011 were mostly submerged during the 2012 inspection. Small quantities of debris were noted on the surface of the landfill east of the high point (Figure 3-4).



Photograph 3-12. SWMU 29, Finger Bay Landfill – looking west at the former seep location

The location of the previously observed seep was saturated with small amounts of standing water caused by recent heavy rains. This area was re-graded, filled with gravel, seeded and fertilized in 2010. Repairs are in good condition and thick vegetation has been established here. No evidence of a flowing seep or iron staining as noted in 2011 was observed in 2012. (Photograph 3-12).



Date: 12/19/2012
 Path: F:\Adak_GIS_Figures\IC2012_IC_MAPS\3_4_SWMU_29_2012_TO055.mxd

U.S. NAVY	SEALASKA	Figure 3-4 SWMU 29, Finger Bay Landfill	Task Order 55 Adak Island, AK 2012 IC Inspection Report
-----------	----------	--	--

In general, ICs are functioning as intended, however, the following is recommended:

- Debris should be removed from the surface of the cap and pond.
- The two onsite ponds should be evaluated to determine if action is needed.

3.3 REMOTE AREA PETROLEUM SITES

Five remedial alternatives were selected for the petroleum sites administered under SAERA on Adak: free product recovery, monitored natural attenuation, limited soil removal, limited groundwater monitoring, and ICs.

ICs are applied to limit land use activities at the individual sites and to confirm the integrity of the remedy. These controls include restrictions on groundwater use and soil excavations. They are designed to reduce the potential for direct exposure in the short term, until petroleum concentrations are reduced below cleanup levels. Two of the listed Remote Area petroleum sites are presently undergoing monitored natural attenuation remediation, including SWMU 58/SA 73, Heating Plant 6 and SA 78, Old Transportation Building USTs. The other seven sites have received conditional closure and include: Antenna Field, USTs ANT-1, ANT-2, ANT-3, and ANT-4; Boy Scout Camp, West Haven Lake, UST BS-1; Finger Bay Quonset Hut, UST FBQH-1; Modified Advanced Underwater Weapons (MAUW) Compound, UST 24000-A; Mount Moffett Power Plant 5 (USTs 10574 through 10577); SA 88, P-70 Energy Generator, UST 10578; and SA 82, P-80/P-81 Buildings.

For the purposes of inspection and reporting, the following ICs are required for the Remote Area petroleum sites documented below:

- Land Use Restrictions – Residential construction is prohibited. Commercial and industrial land uses are allowed.
- Equitable Servitude – The provisions of the Equitable Servitude have been incorporated in the Interim Conveyance transferring the property to TAC.
- Groundwater Use Restrictions – Groundwater use is prohibited.
- Soil Excavation Notifications – Excavation notifications for the sites are required for excavations below 2 feet. The notifications, discussed later, are evaluated to determine whether or not the proposed excavation is consistent with the land use restrictions.

3.3.1 Antenna Field, USTs ANT-1, ANT-2, ANT-3, and ANT-4

The Antenna Field site is located midway between downtown Adak and Clam Lagoon in an unpopulated area. The Antenna Field site is located on a hilltop northeast of Palisades Lake. Three buildings and antennas were built in 1948 on the site. USTs ANT-1, ANT-2, ANT-3, and ANT-4 supplied JP-5 as heating fuel to the buildings, but were removed in 1993. Several small holes were observed in USTs ANT-3 and ANT-4 upon removal. In 1996, the site was screened using the ADEC matrix cleanup levels and the ADEC supplemental criteria. The site was retained for further investigation because the maximum DRO concentration was slightly above the supplemental criterion for subsurface soil. The source of the petroleum release is not recorded, but appears to have originated from the USTs. The general topography of the Antenna Field is irregular and is characterized by hills and drainage swales. The site is not accessible by on-road vehicles. Additional groundwater characterization wells were installed on the site in 2010 and excavation permits were submitted to the Navy as required (Photograph 3-13). ADEC granted conditional closure for this site in 2010 since no continuous groundwater was found to exist onsite.



Photograph 3-13. Antenna Field – looking north at excavation restriction sign

During the inspection on September 3, 2012, no other changes to the site were observed compared to the 2011 inspection results. No indications of a change in land use in this area were found and no residential construction had occurred at the site. No indications of groundwater use or excavation activities were found, and excavation restriction signs were clearly visible (Photograph 3-13). Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

3.3.2 Boy Scout Camp, West Haven Lake, UST BS-1

The Boy Scout Camp site is located on the western shore of West Haven Lake. A cabin and UST was located on the site and used by the Boy Scouts for recreational purposes. In 1993, the UST, associated piping, and surrounding contaminated soil were removed. Upon completion of the limited soil removal, limited groundwater monitoring was initiated since petroleum-impacted soil (that was inaccessible) remains at the site. Limited groundwater monitoring was conducted between 1999 and 2000. The site received a status of No Further Remedial Action Planned from ADEC in 2005. Currently, one camp building remains at the site (Photograph 3-14). The site is generally inaccessible to on-road vehicles because the access roads on both sides of the camp are inundated.



Photograph 3-14. Boy Scout Camp – looking north at the sign and site in the background

During the inspection on September 3, 2012, no changes to the site were observed compared to the 2011 inspection results. No indications of a change in land use in this area were found and no residential construction had occurred at the site. No indications of groundwater use or excavation activities were found. Excavation restriction signs are present at this site at the northern and southern entrances. Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

3.3.3 Finger Bay Quonset Hut, UST FBQH-1

The Finger Bay Quonset Hut site is located on the west end of Finger Bay approximately 1 mile south of the City. Limited soil removal was conducted during 1999 which removed 22 cubic yards of petroleum-contaminated soil. Sampling indicated that petroleum-impacted soils remained at the site. Upon completion of the limited soil removal, limited groundwater monitoring was initiated in 2001. Groundwater achieved endpoint criteria and ADEC has approved conditional closure of the site. The site currently has no structures located on it but a concrete building pad remains.



Photograph 3-15. Finger Bay Quonset Hut – looking west at the site sign

During the inspection on September 4, 2012, no changes to the site were observed compared to the 2011 inspection results. No indications of a change in land use in this area were found and no residential construction had occurred at the site. No indications of groundwater use or excavation activities were found, and the excavation restriction sign was clearly visible (Photograph 3-15). The sign was observed to have bullet holes in it, but it was still legible.

3.3.4 MAUW Compound, UST 24000A

The MAUW Compound is located approximately one mile north of the City and north of SWMU 61, Tank Farm B. The diesel UST, associated piping, and contaminated soil were removed in 1994. Because some contaminated soil was left in place, limited groundwater monitoring was selected as the remedy and was conducted between 1999 and 2001. Aliphatic DRO concentrations in groundwater were greater than ADEC groundwater cleanup level in 1999-2000. No target analytes were detected above groundwater cleanup levels in 2001 and ADEC approved No Further Remedial Action Planned Status in 2006. Currently, three buildings and a tower are located on the property.



Photograph 3-16. MAUW Compound – looking south

During the inspection on September 5, 2012, no indications of a change in land use in this area were found and no residential construction had occurred at the site. However, the site no longer appears to be used for storage and as a vehicle maintenance and rental shop. No indications of groundwater use or excavation activities were found, and excavation restriction signs were clearly visible (Photograph 3-16). Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

3.3.5 Mount Moffett Power Plant 5, USTs 10547 through 10577

Mount Moffett Power Plant 5 is located approximately 1.5 miles northwest of the City on the slopes of Mount Moffett. USTs, associated piping, and contaminated soil were removed in 1994 and 1996. Confirmation sample concentrations exceeded 18 AAC 75 cleanup levels in soil; and therefore a limited soil removal was conducted during 1999 that removed 60 cubic yards of petroleum-contaminated soil. Confirmation sampling again identified concentrations of DROs above the ADEC Soil Cleanup Levels; however, the decision was made to leave the soil in place with ICs. Currently, two buildings remain on the site.



Photograph 3-17. Mount Moffett Power Plant 5 – looking west

During the inspection on September 3, 2012, no indications of a change in land use in this area were found. No indications of groundwater use or excavation activities were found, and excavation restriction signs were clearly visible (Photograph 3-17). No excavation had occurred at the site. Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

3.3.6 SWMU 58/SA 73, Heating Plant 6

The SWMU 58/SA 73, Heating Plant 6 site is situated in the southwest corner of the former NSGA complex, approximately 5 miles north of downtown Adak on the southern slope of Mount Adagdak. The Heating Plant 6 site is comprised of Buildings 10385 and 10585, six former USTs, one former AST, and one former oil/water separator. Only the buildings remain at the site. The plant was bordered on the northeast by the NSGA complex which closed in 1995. The final remedy for the site is monitored natural attenuation (Navy 2005).



Photograph 3-18. SWMU 58 and SA 73, Heating Plant 6 – looking northwest at the sign and monitoring wells

During the inspection on September 3, 2012, no indications of a change in land use in this area were found. No indications of groundwater use or excavation activities were found, and

excavation restriction signs were clearly visible (Photograph 3-18). Based on these findings, ICs appear to be functioning properly to protect humans and the environment.

3.3.7 SA 78, Old Transportation Building, USTs 10583, 10584, and ASTs

SA 78, Old Transportation Building site is located approximately 5 miles north of downtown Adak in the NSGA complex, on the southern slope of Mount Adagdak, near the northwestern shore of Clam Lagoon. The Old Transportation Building was used as the NSGA fire station and transportation garage from 1950 until mid-1991. Two USTs and two ASTs were used at the site to store motor vehicle gasoline (mogas) for vehicle fueling from the early 1960s. The USTs were installed in 1965. A 1,400-gallon UST was removed in 1979 and the other UST, a 5,000-gallon tank, was removed in 1993. The final remedy for the site is monitored natural attenuation (Navy 2005). The area east of the Old Transportation Building was filled, graded flat, and used as a vehicle fueling area. Although the site has been graded level, the surrounding topography of the Old Transportation Building site slopes southeast toward Clam Lagoon.

During the inspection on September 3, 2012, no indications of a change in land use in this area were found and no residential construction had occurred at the site. No indications that groundwater was being used and no indications of excavation activities were found at the site. Excavation restriction signs were clearly visible onsite (Photograph 3-19). Based on these findings, ICs appear to be functioning properly to protect humans and the environment.



Photograph 3-19. SA 78, Old Transportation Building – looking north at site with excavation restriction sign in background

3.3.8 SA 82, P-80/P-81 Buildings, USTs 10579, 10587, and AST 10333

The P-80/P-81 Buildings were used by the former NSGA and are located on Shore Road, approximately 4,500 feet north of the main NSGA complex. UST 10587 and AST 10333 were located west of Building P-80 and were used to store JP-5 fuel for the heating boiler. UST 10579 was located northwest of Building P-81 and was used to store fuel to supply the generator in Building P-81. The date the tanks were removed is unknown but an excavation conducted in 1992 confirmed that the USTs were removed. In 2010, the site received a Cleanup Complete with Institutional Controls determination from ADEC.

During the inspection on September 3, 2012, no changes to the site were observed compared to the 2011 inspection results. No indications of a change in land use in this area were found and no residential construction had occurred at the site. No indications that groundwater was being used were found at the site. No indications of excavation were found and excavation restriction signs were clearly visible (Photograph 3-20). Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.



Photograph 3-20. SA 82, P-80/P-81 Buildings site – looking north

3.3.9 SA 88, P-70 Energy Generator, UST 10578

The SA 88, P-70 Energy Generator site is located on the north side of Giddens Road, north of the main NSGA complex. The P-70 Building was used for auxiliary power generation and miscellaneous storage at NSGA. UST 10578 was installed at Building P-70 in 1965 to store JP-5 for powering the generator. The building is no longer in use.

UST 10578 was removed in May 1993. No records of releases from the UST are available. However, per the site assessment report prepared in 1993, petroleum product was observed on the west sidewall of the excavation at 2 feet below ground surface. The amount of product observed was not provided. The presence of DRO was reported in all four soil samples collected from the sidewalls and base of the excavation at concentrations greater than the ADEC soil matrix cleanup levels. The remedy for the SA 88, P-70 Energy Generator site was limited groundwater monitoring (Navy 2005) and the site received conditional closure from ADEC in 2011 because endpoint criteria were met.



Photograph 3-21. SA 88, Building P-70 Energy Generator, UST 10578 Site – looking west

During the September 3, 2012 inspection, no indications of a change in land use were found in this area and no residential construction had occurred at the site. No indications that groundwater was being used were found at the site. No indications of excavation were found and excavation restriction signs were clearly visible (Photograph 3-21). Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

3.4 ADAK ISLAND ORDNANCE SITES

CERCLA Ordnance OU B sites include Navy-retained lands (Parcel 4) located on the northeastern slope of Mount Moffett and around Andrew Lake (Figures 2-2 and 3-5). Besides maintaining the UXO Awareness program for OU B sites, the Navy has implemented some additional engineering controls at Parcel 4 to limit access to these areas. The engineering controls include perimeter fencing with attached warning signs and blocked roadways with locked gates. The IC inspection includes visual assessment of these engineering controls from outside Parcel 4. Specifically, fencing on the north, east, and south perimeters of SA 93, WWII Mortar Impact Area and the gate at the Lake Andrew Recreational Building were inspected. Additionally, the signs, fencing, and the southern gate at SWMU 1, Andrew Lake Waste Ordnance Demolition Range were inspected.



Photograph 3-22. SA 93, WWII Mortar Impact Area (Parcel 4) – looking southwest at east perimeter fence and new gate next to road

The perimeter fencing and access gates of SA 93, WWII Mortar Impact Area were inspected. The September 3, 2012 inspection results included the following and are presented on Figure 3-5:

- The sign by the northeast corner gate is missing and needs to be installed (Photograph 3-22).
- Six sections of fencing along the north perimeter fence and two sections along the east perimeter fence need to be repaired.
- Nine UXO warning signs on the east perimeter fence are in poor condition and need replacing (Photograph 3-23).
- A sign has fallen off the fence behind the Andrew Lake Recreation Center and needs to be re-attached (Figure 3-5).
- The gate along the southwestern entrance to SA 93 at the Andrew Lake Recreational Center was inspected and found to be locked and in good condition. There is no sign present at the gate and it is recommended that one be installed at the gate location.



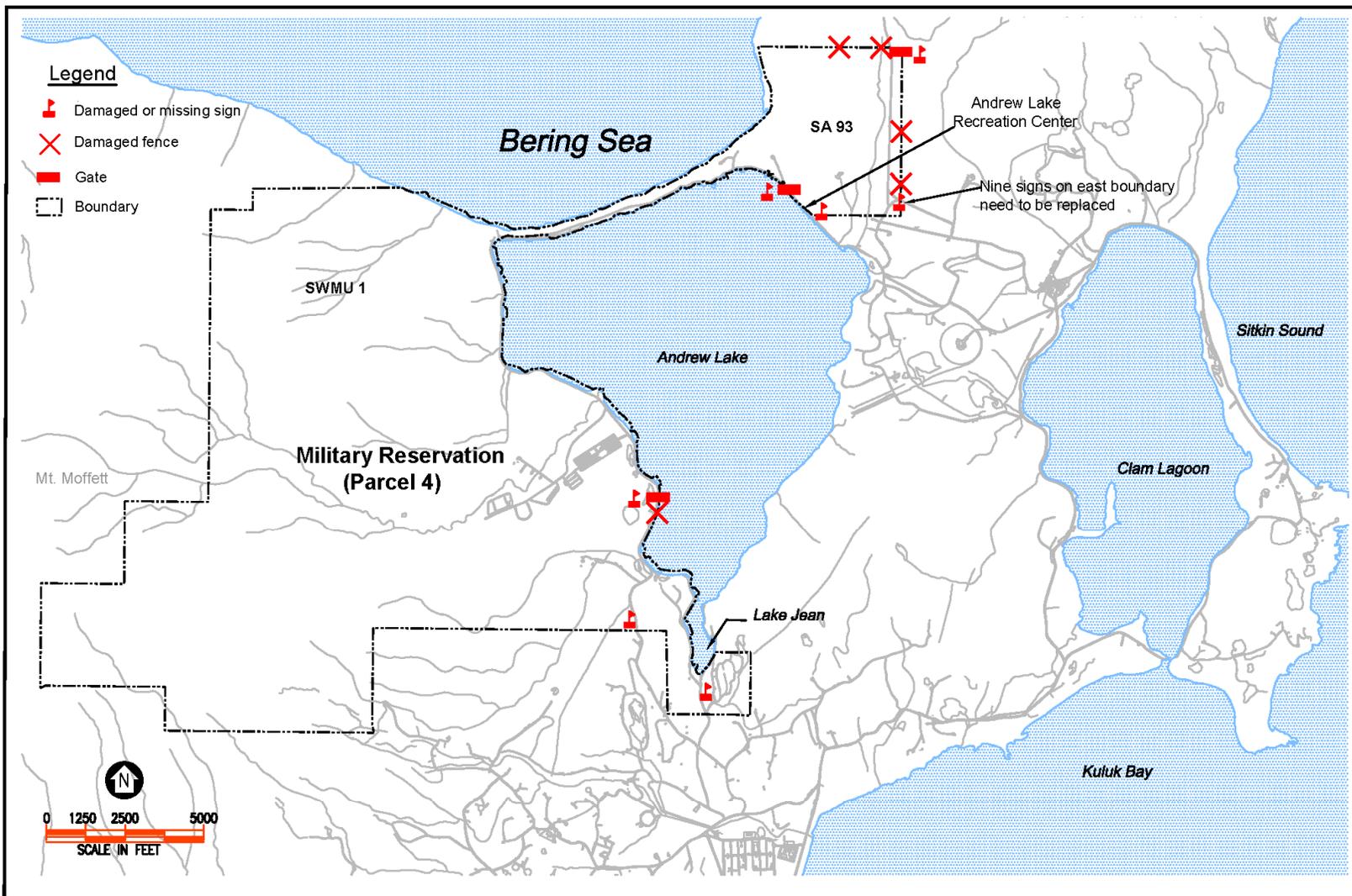
Photograph 3-23. SA 93, WWII Mortar Impact Area (Parcel 4) – looking west at east perimeter fence sign

The signs, south perimeter fencing, and southern gate of SWMU 1, Andrew Lake Waste Ordnance Demolition Range was inspected. The September 3, 2012 inspection results included the following and are illustrated on Figure 3-5:

- The gate along the southeast entrance to SWMU 1 was inspected and found to be closed, locked, and in good condition. UXO activities were being performed within SWMU 1 at the time of the inspection.
- South perimeter fencing near the gate has three sections that need to be repaired.
- The two UXO warning signs on Lake Jean road, the south entrance road, and one on the south gate were missing during the 2012 inspection and need to be replaced.



Photograph 3-24. SWMU 1, Andrew Lake Waste Ordnance Demolition Range (Parcel 4) – south entrance road looking north towards missing UXO warning sign



3-35

<p>U.S.NAVY</p>	<p>SEALASKA</p>	<p>Figure 3-5 Parcel 4</p>	<p>Task Order 55 Adak Island, AK 2012 IC Inspection Report</p>
------------------------	------------------------	---------------------------------------	--

P:\SEALASKA\ADAK\TO 30\2011 IC\FIG 3-5.DWG
 PLOT/UPDATE: DEC 18, 2012

4. GENERAL INSPECTIONS

The purpose of IC excavation notification is to notify the Navy of intrusive projects that will be performed on IC sites, which will result in the LUCs remaining effective over time. There are two types of soil excavation restrictions for IC sites: Excavation Notifications and Excavation Prohibition.

4.1 IC EXCAVATION NOTIFICATIONS

The purpose of the excavation notification is to allow the Navy to provide information about the site and as a tool for the Navy to receive timely information to monitor excavation projects on the IC sites which will keep the land uses consistent with the selected remedy. The requirement to submit excavation notifications to the Navy are island-wide whether excavations will be performed on a IC site or not. Excavation notifications must be submitted to the Navy at least 3 days prior to excavation activities. The IC notification is available on the Adak Update website: <http://www.adakupdate.com>. Copies of the excavation notifications will be kept in the Naval Facilities Engineering Command (NAVFAC) Northwest site file.

From September 2011 through September 2012, five Excavation Notification Request forms were submitted to the Navy. A list of excavation requests are presented in Table 4-1.

Table 4-1. Excavation Notification Requests Submitted September 2011 through September 2012

Date	Requestor	Description of Excavation
04/2012	Ahtna Engineering Service	Excavation of test holes to locate and remove potential contaminated sources near the Former Power Plant, Building T-1451.
04/2012	URS Greiner, Inc. (URS)	Performance of biological, wetland, and cultural surveys at 11 OU B-2 sites.
5/2012	Northern Management	Performance of excavation of test holes for the planned antenna array installation for the University of Alaska Fairbanks at the Contractor's Camp Area.
7/2012	Northern Management	Installation of 64 antenna bases and 126 helical anchors for antenna array installation for the University of Alaska Fairbanks at the Contractor's Camp Area.
8/2012	Adak Telephone Utility	Installation of an underground fiber optic cable service from Kuluk Housing to the south end of the Contractor's Camp Area.

No sites were impacted by the excavation notifications listed in Table 4-1. An excavation approximately 7 feet by 7 feet was observed at housing unit 140D in the downtown housing area in Sandy Cove housing. As shown in Figure 2-7, the excavation is just outside the eastern boundary of SWMU 62. An excavated area approximately 15 feet by 10 feet and 5 feet deep was observed on the east side of SWMU 17 Power Plant 3 on the east side of the access road behind the main building during the 2012 inspections (Figure 2-2). According to a power plant employee, the City conducted the excavation to repair a leak in the City's water main line. Excavation Notifications were not submitted to the Navy for any of these excavations.

4.2 ABSOLUTE EXCAVATION PROHIBITION

At some sites, such as former landfills (or where the remedy in place is a protective cover), excavation by non-Navy personnel is absolutely prohibited; although recreational land uses which add additional cover (e.g., ball fields, golf course) may be permissible. Navy personnel will be allowed to excavate for the purposes of repairing caps, etc. Additionally, excavation for the purpose of digging domestic water wells is prohibited in the downtown area and in the Remote Area sites, where it is necessary to protect the integrity of the ongoing petroleum cleanups. No excavations were observed at any sites where excavation was prohibited.

5. INSTITUTIONAL CONTROL EDUCATION EVALUATIONS

5.1 EDUCATION PROGRAM

Education and information are important elements of ICs. The Navy has an established education program that has been customized with input from the community. The Navy is required to support community educational efforts aimed at informing the community about the island hazards, land use restrictions, and limited access to Navy-retained lands. The education program provides guidance on appropriate safety steps to take if UXO material is discovered; fishing advisories; and updates the community regarding the cleanup of residual chemicals remaining on the island.

The education plan consists of the following key items:

- Notices (equitable servitude notifications/restrictions, excavation notifications, etc.);
- Educational classes (ordnance identification, safety presentations, etc.);
- Printed media (brochures, fact sheets [fishing/shellfish consumption advisories], news articles, etc.);
- Visual media (video tapes/DVD, local television announcements, etc.);
- Exhibits, displays, and posters;
- Restoration Advisory Board (RAB);
- Adak Update website (<http://www.adakupdate.com>);
- Toll Free Telephone number (1-866-239-1219); and
- E-mail address (adakexcanot@navy.mil).

Through the education program, residents and visitors are presented with information on ICs, groundwater and excavation restrictions, fish/shellfish consumption advisories, and UXO awareness. The UXO education awareness program is a subset of the broader IC educational program.

5.2 ORDNANCE AWARENESS

The ordnance ICs consist of maintaining the existing Adak Island Ordnance Awareness Program. The ordnance awareness training program is a requirement of the OU B-1 ROD. This program applies to the entire northern section of Adak, and therefore is not a site-specific IC. This program consists of a video on DVD with two versions, one for adults and one for children. The child version of the DVD is required to be shown to all teachers and

students at the school. This was verified during the 2012 IC inspection. It is intended to familiarize on-island residents and visitors with the history of ordnance use, storage, handling, and disposal on Adak Island; basic characteristics of ordnance items on Adak; and the procedures that should be followed if a suspected ordnance item is encountered. Island residents and visitors are strongly encouraged to participate in the established ordnance awareness-training program.

Additionally, maps with UXO information are distributed to the following agencies and businesses on Adak:

- USFWS
- Aleut Real Estate
- Harbor Master
- Adak school
- Medical clinic
- City offices
- Alaska Airlines on island representatives

Since May 16, 2012, USFWS has distributed 231 maps. The Map Distribution Log provided by USFWS is presented in Appendix D. In addition, in 2012 the Navy supplied 1,220 copies of the map to representatives of the agencies and business listed above.

Finally, a UXO awareness video is played at the airport during times coinciding with the biweekly arrival and departure of Alaskan Airlines flights. The operation of the airport video was documented biweekly on the Airport UXO DVD Run Log and documents the times and dates the UXO DVD was played at the airport. This video describes potential hazards on Adak from unexploded ordnance, dilapidated buildings, Rommel stakes, and chemical contaminants. The video also describes restricted access areas and steps to take if hazards are encountered. On September 4, 2012, the airport video was observed to be playing as scheduled during the arrival and departure of the commercial flight. The Run Logs were reviewed and the operation of the video occurred as planned on all plane days except one time on September 6, 2012 when it was inadvertently not played. The Airport UXO DVD Run Logs are presented in Appendix E.

5.3 SURVEYS

The Navy has developed surveys to evaluate the effectiveness of the IC education program. The surveys focus primarily on the community's knowledge of ICs and the education tools in place. The intent of the survey is to determine if the education plan is effective, or whether it should be revised to make it more relevant to the community's needs.

During the 2012 IC inspections, 28 interviews were conducted. The interviewees consisted of 10 residents, 7 resident school children, and 11 visitors. The breakdown for length of time living or staying on Adak is shown below:

- Resident for over 1 year – 6
- Resident for over 6 months, but less than 1 year – 3
- Resident for 3 to 6 months – 0
- Resident for less than 3 months – 1
- Visitor stays ranged from 3 days to 9 months; all the visitors were on island temporarily for work related activities, hunting, or bird watching.

Results from the 2012 interviews are presented in Table 5-1. The Institutional Control Education Evaluation surveys are included in Appendix B.

Interviews conducted in September 2012 indicated the following:

- Seventy-one percent of the residents, school children, and visitors (20 of 28) were aware of the ordnance awareness video. Four visitors, three students, and one resident were not aware of the video.
- Eighty-two percent of the residents, school children, and visitors (23 of 28) were aware of land use restriction. Five visitors were not aware of land use restrictions.
- Eight of 10 residents (80 percent) were aware of the fish consumption advisory.
- Nine of 10 (90 percent) residents were aware of the ordnance safety awareness video.
- All (100 percent) residents know to call 911 if they find suspected ordnance material.
- All (100 percent) residents were aware that land use restrictions apply to some areas on Adak.
- All (100 percent) residents were aware that digging on Adak requires Navy approval.
- Eighty percent (8 of 10) residents and 64% of visitors were aware that entry onto Navy-retained property (Parcel 4) is prohibited.

- Five of 10 (50 percent) residents were aware of the Navy outreach website and toll free telephone number.
- Fifteen of 21 (71 percent) residents and visitors were aware of the maps detailing the land use restrictions and ordnance awareness.
- Nine of 10 (90 percent) residents were aware that there are areas on Adak that cannot be excavated at all.
- Seven of 10 (70 percent) residents were aware that groundwater use in the downtown area is prohibited.

Five of the seven school age children were aware of the ordnance awareness materials and all of them knew to not go under, around, or over fences and gates. One teacher was interviewed and it was noted that the UXO Awareness video had been shown to students in September 2012. It was also observed that the younger students (grades K to 5) were supplied with UXO Awareness coloring books.

Two out of 10 residents recorded that they did routinely eat halibut and salmon. None of the residents claimed to eat rock sole. Nine of 10 residents that were interviewed had internet access.

The following are the results of Question #3: “How would you prefer the Navy provide information to you regarding institutional controls?”

- Community meetings – 7
- Electronic mail – 2
- Internet – 1
- Mailings/Fact Sheets – 1
- Informal telephone calls – 0
- Other – 1

Interviewed individuals gave several suggestions to the question: “Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?”

- One resident suggested the Navy provide information on institutional controls via social media such as Facebook.
- One resident suggested having a central digital repository for documentation.

- One resident suggested running the DVD on TV such as on the city channel (channel 6).
- One visitor said the “USFWS does pretty well.”

Based on the survey information, the IC education program appears to be effective for children and visitors, but not as effective for adult residents particularly in the following areas:

- Awareness of the Navy outreach website and the toll-free telephone number; and
- Awareness of the restriction of groundwater use in the downtown area.

The surveys indicate that educational awareness for residents and visitors has improved compared to 2011 results and that educational ICs appear to be functioning adequately.

Table 5-1. Educational Awareness Results

Residents	Yes	No
I am aware there is fish consumption advisory for rock sole and blue mussels in Sweeper Cove and rock sole in Kuluk Bay.	8	2
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.	9	1
I know what to do if I find suspected ordnance materials (do not touch, note location, and call 911).	10	0
I am aware that land use restrictions apply to some areas on Adak.	10	0
I am aware that digging in some areas on Adak requires Navy approval.	10	0
I am aware that entry on to Navy-retained property (Parcel 4) is prohibited.	8	2
I am aware of the Navy outreach web site AdakUpdate.com and the toll free telephone number.	5	5
I am aware that hiking maps detailing the land use restrictions and ordnance awareness are available.	9	1
I know that there are some areas I can’t dig at all on Adak.	9	1
I know that I can’t use groundwater in the downtown area.	7	3
School Age Children	Yes	No
I have seen the ordnance awareness video with Boomer the Otter at my school.*	4	3
I’ve seen or have some of the ordnance awareness materials.	5	2
I know not to go under, around or over fences and gates.	7	0
Visitors	Yes	No
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.	7	4
I am aware that entry on to Navy-retained property (Parcel 4) is prohibited because of the presence of live ordnance.	7	4
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.	6	5

* The Kindergarten through fifth grade class all viewed the video on September 4, 2012 following their interviews.

Table 5-1. Educational Awareness Results (continued)

Teachers	Yes	No
Is the ordnance awareness DVD being shown and when? (In September)	1	0
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities. (discussions posters, pamphlets, guest speakers)	0	1
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.	0	1
Subsistence Fisher	Yes	No
Do you routinely eat blue mussels? If so, how many times per week?	0	2
Do you routinely eat rock sole? If so, how many times per week?	0	2
Do you routinely eat other fish? If so, what fish (halibut, salmon, rock fish)?	2	0

6. SUMMARY AND RECOMMENDATIONS

Based on the findings of the September 2012 primary site inspections, the following recommendations are listed below by site. Table 6-1 summarizes the recommendations at the Adak IC sites.

Excavation Restrictions

Five excavation notification requests were filed with the Navy for excavations performed during the reporting period. An area approximately 7 feet by 7 feet was observed in the front yard of housing unit 140D at the Sandy Cove Housing Area site. An excavation notification for this area was not submitted. As shown in Figure 2-10, the excavation is just outside the eastern boundary of SWMU 62. An excavated area approximately 15 feet by 10 feet and 5 feet deep was observed on the east side of SWMU 17 Power Plant 3 on the east side of the access road behind the main building during the 2012 inspections (Figure 2-3). According to a power plant employee, the City conducted the excavation to repair a leak in the City's water main. An Excavation Notification was not submitted to the Navy. No other unauthorized excavations were observed in areas where excavation restrictions have been established as ICs. The Navy will contact the Power Plant Operator to and the City to inquire about the unauthorized excavations and reiterate the need for notifications.

Education Program

Based on the survey information, the education program appears to be effective because most of the resident population and 63 percent of visitors interviewed were aware at least portions of the program. The Navy will continue to improve the program to increase IC awareness including the following. A simplified brochure of the fish advisory limits will be given to the plant's safety trainer who has agreed to hand them out to employees during mandatory trainings. Additionally, the Navy has made poster of the hiking maps which will be placed in public areas around town. Finally the Navy is looking into showing the Airport UXO video on the local TV channel 6.

IC Inspections

Annual IC inspections have been conducted at the 54 sites listed below since 2005. The six landfills; Parcel 4; and SWMU 20, White Alice/Trout Creek Disposal Area have required ongoing repairs to perimeter fence and signs to restrict access; and to maintain landfill caps and control surface water runoff to stem erosion. Certain downtown and remote area sites have routinely had observations of poor site housekeeping or unauthorized excavation which required installation of additional signs and other action by the Navy and regulators and include the following 11 sites: SWMU 15, Future Jobs/Defense Reutilization Marketing Office; SWMU 17, Power Plant No. 3; SWMU 55, Public Works Transportation Department Waste Storage Area;

SWMU 24, Hazardous Waste Storage Facility; Former Power Plant Building T-1451; Housing Area (Arctic Acres); NMCB; NORPAC Hill Seep Area; SWMU 62, New Housing Fuel Leak; SWMU 67, White Alice PCB Spill Area; and MAUW Compound, UST 24000A.

Since the Navy conducts repairs for institutional controls approximately every three to four years and because no critical failures of IC have been identified in recent years, it is recommended that inspections for these 19 sites be reduced to every even year beginning in 2014 to occur opposite to the biennial portion of the Long-Term Monitoring program. In this way, unauthorized excavations or continued poor housekeeping can be addressed by the Navy annually.

For many of the sites, ICs have continued to function as intended with no or very few concerns. Three sites, Antenna Field; Boy Scout Camp, West Haven Lake; and SWMUs 52, 53, and 59, Former LORAN Station are no longer accessible by on-road vehicles due to physical barriers. It is therefore recommended that individual IC inspections at all other sites be reduced to every 5 years with the next inspection occurring in 2015 to support the 5-year review process. The effectiveness of the Education Program and Excavation Restrictions should continue to remain in place for these sites and be evaluated during the specific site IC inspections. IC inspection activities include canvassing the downtown area for unauthorized groundwater use. It is recommended that any excavations should also be documented during the groundwater use canvassing. These recommendations are stated for each individual site below.

Certain IC activities will continue annually including verification that the airport UXO video was operated, evaluating excavation notifications, and conducting classroom educational activities (playing child UXO video). A summary of the effectiveness of these ICs will be summarized in a technical memorandum and added as an appendix to either the LTM report on odd years or the IC Inspection Report on even years.

IC inspections for all 54 sites (biennial and 5-year) will be conducted in 2013 as specified in the CMP, Revision 5.

SWMU 10, Old Baler Building

All ICs appear to be functioning as intended. ICs have continued to function here since 2005; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

SWMU 14, Old Pesticide Disposal Area

All ICs appear to be functioning as intended. ICs have continued to function here since 2005; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

SWMU 15, Future Jobs/Defense Reutilization Marketing Office

It is recommended that housekeeping practices continue to be monitored at this site, and that an excavation restriction sign be placed at the site. Site inspections are recommended to be reduced to every even year.

SWMU 16, Former Firefighting Training Area

All ICs appear to be functioning as intended. ICs have continued to function here since 2005; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

SWMU 17, Power Plant No. 3

Housekeeping practices have improved at this site but should continue to be monitored. It is recommended that the crushed 55-gallon drums and transformers stored onsite be properly disposed off island. It is further recommended that the City and the Treatment Plant Operator be notified of the permit excavation requirement and that the unauthorized open excavation observed at the site be filled in. Site inspections are recommended to be reduced to every even year.

SWMU 55, Public Works Transportation Department Waste Storage Area

The large amounts and types of wastes and poor housekeeping conditions observed onsite persist but are improving as cleanup continues. There is a concern that contaminants associated with onsite wastes are a threat to residents and are potentially impacting site soils and underlying groundwater. It is therefore recommended that the cleanup of the site continue to be monitored and that a soil excavation restriction sign be replaced at the site. Site inspections are recommended to be reduced to every even year.

SA 76, Old Line Shed Building

All ICs appear to be functioning as intended. ICs have continued to function here since 2005; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

SWMU 13, Metals Landfill

It is recommended that the eroded areas at the end of Swales 6 and 7 be repaired. All other ICs appear to be functioning as intended. Site inspections are recommended to be reduced to every even year.

SWMU 25, Roberts Landfill

The following actions are recommended:

- Continue to monitor areas of the landfill cap that have improved vegetation.

- Continue to monitor the four small eroded and repaired areas along the western fence line for future threat to the landfill cap.
- Repair the newly observed eroded area and swale liner on the southern portion of the landfill.
- Sample surface water at the blue seep on the northwest side of the landfill (NL-14) in 2013 and determine if it is associated with the landfill. Take appropriate actions as determined by EPA, ADEC and the Navy if needed.
- Repair the perimeter fence and re-attach and/or replace the three perimeter signs.
- Replace the three asbestos warning signs across the road from the landfill.
- Repair or replace the northern gate adjacent to the Adak Fuels Facility.
- Notify Adak Fuels Facility to keep the northern gate locked to prevent vehicle access to the site.
- Reduce IC inspections to every even year.

SWMU 24, Hazardous Waste Storage Facility

The large amounts and types of wastes and poor housekeeping conditions observed onsite persist but are improving as cleanup continues. There is a concern that contaminants associated with onsite wastes are a threat to residents and are potentially impacting site soils and underlying groundwater. It is therefore recommended that the cleanup of the site continue to be monitored and that a soil excavation restriction sign be replaced at the site. Site inspections are recommended to be reduced to every even year.

SA 77, Fuels Facility Refueling Dock, Small Drum Storage Area

All ICs appear to be functioning as intended. ICs have continued to function here since 2005; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

Amulet Housing, Well AMW – 706 Area

All ICs appear to be functioning as intended. ICs have continued to function here since 2005; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

Amulet Housing, Well AMW – 709 Area

All ICs appear to be functioning as intended. ICs have continued to function here since 2005; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

Former Power Plant Building T-1451

All ICs appear to be functioning as intended. Because of past housekeeping issues at this site, inspections are recommended to be continued but reduced to every even year.

ROICC Contractor's Area, USTs ROICC-7 and ROICC-8

All ICs appear to be functioning as intended. ICs have continued to function here since 2005; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

Runway 5-23 AVGAS Valve Pit

All ICs appear to be functioning as intended. ICs have continued to function here since 2005; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

SA 79, Main Road Pipeline

All ICs appear to be functioning as intended. ICs have continued to function here since 2005; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

SWMU 60, Tank Farm A

All ICs appear to be functioning as intended. ICs have continued to function here since 2005; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

SWMU 61, Tank Farm B

All ICs appear to be functioning as intended. ICs have continued to function here since 2005; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

Housing Area (Arctic Acres)

All ICs appear to be functioning as intended. Because of past unauthorized excavations at this site, inspections are recommended to be continued but reduced to every even year.

GCI Compound, UST GCI-1

All ICs appear to be functioning as intended. ICs have continued to function here since 2005; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

NMCB Building Area, T-1416 Expanded Area

Because poor housekeeping practices may be contributing to groundwater contamination, it is recommended that the owners be notified to remove the on-site wastes, address the areas of actual or potential spills, and improve housekeeping practices. Because of continuing poor housekeeping at this site, inspections are recommended to be continued but reduced to every even year.

NORPAC Hill Seep Area

All ICs appear to be functioning as intended. Because of past unauthorized excavations near this site, inspections are recommended to be continued but reduced to every even year.

SA 80, Steam Plant 4, USTs 27089 and 27090

All ICs appear to be functioning as intended. ICs have continued to function here since 2005; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

SWMU 62, New Housing Fuel Leak

It is recommended that the City be contacted in an attempt to determine the cause and purpose of the excavation near the site and then to notify the appropriate party that notifications are required for excavations in the downtown area. Because of unauthorized excavations at this site and because of the ongoing use of the product recovery trench at the site, inspections are recommended to be continued but reduced to every even year.

South of Runway 18-36 Area

All ICs appear to be functioning as intended. ICs have continued to function here since 2005; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

Tanker Shed, UST 42494

All ICs appear to be functioning as intended. ICs have continued to function here since 2005; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

Yakutat Hanger

All ICs appear to be functioning as intended. ICs have continued to function here since 2005; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

SWMU 20, White Alice/Trout Creek Disposal Area

All ICs appear to be functioning as intended. Because of previous erosion to the cliff face at this site, inspections are recommended to be continued but reduced to every even year.

SWMU 21A, White Alice Upper Quarry

All ICs appear to be functioning as intended. ICs have continued to function here since 2005; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

SWMU 23, Heart Lake Drum Disposal Area

All ICs appear to be functioning as intended. ICs have continued to function here since 2005; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

SWMUs 52, 53, and 59, Former LORAN Station

All ICs appear to be functioning as intended. ICs have continued to function here since 2005 and this site is inaccessible by on-road vehicles; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

SWMU 67, White Alice PCB Spill Area

All ICs appear to be functioning as intended. Because of previous excavations at this site, inspections are recommended to be continued but reduced to every even year.

SWMU 2, Causeway Landfill

All ICs appear to be functioning as intended. Inspections are recommended to be continued but reduced to every even year to ensure the ICs remain protective.

SWMU 4, South Davis Road Landfill

It is recommended that the eroded area at the west end of the northern swale be repaired. All ICs appear to be functioning as intended. Inspections are recommended to be continued but reduced to every even year to ensure the ICs remain protective.

SWMU 11, Palisades Landfill

It is recommended that the sinkhole observed near the pond be repaired and that the condition of the culvert that is supposed to drain the pond be evaluated. It is further recommended that the Landfill Warning signs on the northwest and northeast landfill perimeter be repaired. All other ICs appear to be functioning as intended. Inspections are recommended to be continued but reduced to every even year to ensure the ICs remain protective.

SWMU 18, South Sector Drum Disposal Area and SWMU 19, Quarry Metal Disposal Area (White Alice Landfill)

The following actions are recommended:

- Continue to monitor the ponding outside the northern landfill boundary for potential erosion along the fence line.
- Seed and fertilize the eroded area north of the entrance gate.
- Efforts should be made to encourage vegetative growth at the non-vegetated area at the top of the southern swale and near the building foundation to reduce the potential for future erosion.
- Re-rock the swale so the liner is not exposed. Install some type of flow dissipater within the channel at several locations to prevent rock from sliding down the incline.
- Move the sign near the gate so the vegetation does not obscure it.
- Repair broken fencing.
- Re-attach the fallen sign.
- Inspections are recommended to be continued but reduced to every even year to ensure the ICs remain protective.

SWMU 29, Finger Bay Landfill

The following actions are recommended:

- Debris should be removed from the surface of the cap and pond.
- The two onsite ponds should be evaluated to determine if they should be repaired.

- Inspections are recommended to be continued but reduced to every even year to ensure the ICs remain protective.

Antenna Field, USTs ANT-1, ANT-2, ANT-3, and ANT-4

All ICs appear to be functioning as intended. ICs have continued to function here since 2005 and this site is inaccessible by on-road vehicles; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

Boy Scout Camp, West Haven Lake, UST BS-1

All ICs appear to be functioning as intended. ICs have continued to function here since 2005 and this site is inaccessible by on-road vehicles; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

Finger Bay Quonset Hut, UST FBQH-1

All ICs appear to be functioning as intended. ICs have continued to function here since 2005; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

MAUW Compound, UST 24000A

All ICs appear to be functioning as intended. Because of past housekeeping issues at this site, inspections are recommended to be continued but reduced to every even year.

Mount Moffett Power Plant 5, USTs 10547 through 10577

All ICs appear to be functioning as intended. ICs have continued to function here since 2005; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

SWMU 58/SA 73, Heating Plant 6

All ICs appear to be functioning as intended. ICs have continued to function here since 2005; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

SA 78, Old Transportation Building, USTs 10583, 10584, and ASTs

All ICs appear to be functioning as intended. ICs have continued to function here since 2005; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

SA 82, P-80/P-81 Buildings, USTs 10579, 10587, and AST 10333

All ICs appear to be functioning as intended. ICs have continued to function here since 2005; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

SA 88, P-70 Energy Generator, UST 10578

All ICs appear to be functioning as intended. ICs have continued to function here since 2005; therefore, it is recommended that specific site inspections be reduced to once every five years at this site with the next inspection occurring in 2015.

Parcel 4 Ordnance Areas

The following actions are recommended for SA 93, WWII Mortar Impact Area:

- Install UXO Warning signs on the northern and southern gates.
- Replace all UXO Warning signs on the eastern perimeter fence because they are in poor condition.
- Repair six sections of fencing along the north perimeter fence and two sections along the east perimeter.
- Re-attach the to the fence behind the Andrew Lake Recreation Center.

The following actions are recommended for SWMU 1, Andrew Lake Waste Ordnance Demolition Range Area:

- Replace the UXO Warning signs on the southeast entrance gate, along the south entrance road and along the Lake Jean road.
- Repair three sections of fence next to the southeast entrance gate.
- Inspections are recommended to be continued but reduced to every even year to ensure the ICs remain protective.

Table 6-1. Summary of Conditions and Recommendation at Adak Institutional Control Sites

	Land Use Consistent With Restrictions?	Evidence of Soil Excavations?	Gates/ Fencing intact?	Proper signage?	Evidence of soil erosion?	Fish Advisory in Effect?	Education Program Functioning?	Recommendation (year of next inspection in parentheses)
Groundwater (Downtown Area)								
Groundwater	-	-	-	-	-	-	Yes	Include evidence of excavations for Downtown Area in this inspection.
CERCLA Sites (Downtown Area)								
SWMU 10, Old Baler Building	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
SWMU 14, Old Pesticide Disposal Area	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
SWMU 15, Future Jobs/DRMO	Yes	No	-	No	-	-	-	Install sign. Monitor poor housekeeping. Biennial inspections (2013).
SWMU 16, Former Firefighting Training Area	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
SWMU 17, Power Plant 3 Area	Yes	Yes	-	Yes	-	-	-	Repair excavation. Dispose of onsite wastes. Monitor poor housekeeping. Biennial inspections (2013)..
SWMU 55, Public Works Transportation Department Waste Storage Area	Yes	No	-	No	-	-	-	Install sign. Monitor waste disposal. Biennial inspections (2013).
RCRA Sites (Downtown Area)								
SA 76, Old Line Shed Building	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
Fishing Advisory Areas (Downtown Area)								
Sweeper Cove	-	-	-	-	-	Yes	Yes	Biennial inspections (2013).
Kuluk Bay	-	-	-	-	-	Yes	Yes	Biennial inspections (2013).
Landfill Sites (Downtown Area)								
SWMU 13, Metals Landfill	Yes	No	Yes	Yes	Yes	-	-	Repair erosion. Biennial inspections (2013).

11-9

Table 6-1. Summary of Conditions and Recommendation at Adak Institutional Control Sites (continued)

	Land Use Consistent With Restrictions?	Evidence of Soil Excavations?	Gates/ Fencing intact?	Proper signage?	Evidence of soil erosion?	Fish Advisory in Effect?	Education Program Functioning?	Recommendation (year of next inspection in parentheses)
SWMU 25, Roberts Landfill	Yes	No	No	No	Yes	-	-	Repair erosion, fence, signs, and gate. Biennial inspections (2013).
SWMU 24, Hazardous Waste Storage Facility	Yes	No	-	No	-	-	-	Install sign. Monitor waste disposal. Biennial inspections (2013).
SA 77, Small Drum Storage Area	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
Petroleum Monitored Natural Attenuation Sites (Downtown Area)								
Amulet Housing, Well AMW-706 Area	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
Amulet Housing, Well AMW-709 Area	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
Petroleum Monitored Natural Attenuation Sites (Downtown Area) (continued)								
Former Power Plant, Building T-1451	Yes	No	-	Yes	-	-	-	Biennial inspections (2013).
ROICC Contractor's Area (UST ROICC 8)	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
Runway 5-23 Avgas Valve Pit	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
SA 79, Main Road Pipeline	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
SWMU 14, Old Pesticide Disposal Area	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
Petroleum Free-Product Sites (Downtown Area)								
SWMU 60, Tank Farm A	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
SWMU 61, Tank Farm B	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
Housing Area (Arctic Acres)	Yes	No	-	Yes	-	-	-	Biennial inspections (2013).
GCI Compound, UST GCI-1	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).

6-12

Table 6-1. Summary of Conditions and Recommendation at Adak Institutional Control Sites (continued)

	Land Use Consistent With Restrictions?	Evidence of Soil Excavations?	Gates/ Fencing intact?	Proper signage?	Evidence of soil erosion?	Fish Advisory in Effect?	Education Program Functioning?	Recommendation (year of next inspection in parentheses)
NMCB Building Area	Yes	No	-	Yes	-	-	-	Poor housekeeping. Biennial inspections (2013).
Petroleum Free-Product Sites (Downtown Area) (continued)								
NORPAC Hill Seep Area	Yes	No	-	Yes	-	-	-	Biennial inspections (2013).
SA 80, Steam Plant 4, USTs 27089 and 27090	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
SWMU 17, Power Plant 3 Area	Yes	Yes	-	Yes	-	-	-	Repair excavation. Dispose of onsite wastes. Monitor poor housekeeping. Biennial inspections (2013).
SWMU 62, New Housing Fuel Leak	Yes	No	-	Yes	-	-	-	Biennial inspections (2013).
South of Runway 18-36 Area	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
Tanker Shed, UST 42494	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
Yakutat Hangar, UST T-2039-A	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
CERCLA Sites (Remote Area)								
SWMU 20, White Alice/Trout Creek Disposal Area	Yes	No	-	Yes	No	-	-	Biennial inspections (2013).
SWMU 21A, White Alice Upper Quarry	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
CERCLA Sites (Remote Area) (continued)								
SWMU 23, Heart Lake Drum Disposal Area	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
SWMUs 52, 53, 59, Former LORAN Station	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
SWMU 67, White Alice PCB Spill Site	Yes	No	-	Yes	-	-	-	Biennial inspections (2013).

6-13

Table 6-1. Summary of Conditions and Recommendation at Adak Institutional Control Sites (continued)

	Land Use Consistent With Restrictions?	Evidence of Soil Excavations?	Gates/ Fencing intact?	Proper signage?	Evidence of soil erosion?	Fish Advisory in Effect?	Education Program Functioning?	Recommendation (year of next inspection in parentheses)
Landfill Sites (Remote Area)								
SWMU 2, Causeway Landfill	Yes	No	NA	Yes	No	-	-	Biennial inspections (2013).
SWMU 4, South Davis Road Landfill	Yes	No	NA	Yes	Yes	-	-	Repair erosion. Biennial inspections (2013).
SWMU 11, Palisades Landfill	Yes	No	NA	No	Yes	-	-	Repair sinkhole and signs. Biennial inspections (2013).
SWMU 18, South Sector Drum Disposal Area and SWMU 19, Quarry Metal Disposal Area (White Alice Landfill)	Yes	No	No	No	No	-	-	Re-seed, repair swale, fence, signs. Biennial inspections (2013).
SWMU 29, Finger Bay Landfill	Yes	No	-	Yes	No	-	-	Remove debris. Repair ponds. Biennial inspections (2013).
Petroleum – Monitored Natural Attenuation Sites (Remote Area)								
Antenna Field, USTs ANT-1, ANT-2, ANT-3, and ANT-4	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
Petroleum Free-Product Sites (Remote Area)								
Boy Scout Camp, West Haven Lake, UST BS-1	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
Finger Bay Quonset Hut, UST FBQH-1	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
MAUW Compound, UST 24000-A	Yes	No	-	Yes	-	-	-	Biennial inspections (2013).
Mount Moffett Power Plant 5 (USTs 10574 through 10577)	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
SWMU 58/SA 73, Heating Plant 6	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).

6-14

Table 6-1. Summary of Conditions and Recommendation at Adak Institutional Control Sites (continued)

	Land Use Consistent With Restrictions?	Evidence of Soil Excavations?	Gates/ Fencing intact?	Proper signage?	Evidence of soil erosion?	Fish Advisory in Effect?	Education Program Functioning?	Recommendation (year of next inspection in parentheses)
SA 78, Old Transportation Building USTs	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
SA 82, P-80/P-81 Buildings	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
SA 88, P-70 Energy Generator, UST 10578	Yes	No	-	Yes	-	-	-	Site inspections every 5 years (2015).
CERCLA Ordnance Sites								
Parcel 4	Yes	No	No	No	No	-	Yes	Repair fence and signs. Biennial inspections (2013).

7. REFERENCES

- ADEC (Alaska Department of Environmental Conservation). 2005. *Requirements for Site Closure, Adak Naval Air Station*. Letter to Jim Brown of Naval Facilities Engineering Command Northwest from Jason Weigle, ADEC. Dated November 23, 2005.
- Navy (U.S. Navy). 2012a. Final Comprehensive Monitoring Plan, Revision 5, Operable Unit A, Former Naval Complex, Adak Island, Alaska. Prepared by URS Group, Inc., for Naval Facilities Engineering Command Northwest. Silverdale, Washington. August 17, 2012.
- Navy. 2012b. Adak Island Update, Health Advisory and PCB Levels in Rock Sole and Blue Mussels. Prepared by Sealaska Environmental Services for Naval Facilities Engineering Command Northwest. February 2012.
- Navy. 2011. Final Technical Memorandum, Evaluation of Adak Island Blue Mussel and Rock Sole Tissue 2011. Prepared by Sealaska Environmental Services for Engineering Field Activity, Northwest, under U.S. Navy Contract No. N44255-09-D-4005. Poulsbo, Washington. December 12, 2011.
- Navy. 2005. Final Decision Document for Petroleum Sites with No Unacceptable Risk. Prepared by URS Corp for Naval Facilities Engineering Command Northwest. April 29, 2005.
- Navy. 2003. Amendment No. 1, Record of Decision, Operable Unit A, Adak Naval Air Station, Adak, Alaska. Prepared by URS Group, Inc., for Engineering Field Activity, Northwest. September 2003.
- Navy. 2001. Final Record of Decision, Operable Unit B-1, Former Adak Naval Complex, Adak Island, Alaska. Prepared by URS Greiner Inc., for Engineering Field Activity, Northwest, under U.S. Navy Comprehensive Long-Term Environmental Action Navy (CLEAN) Contract No. N62474-89-D-9295, Poulsbo, Washington. November 2001.
- Navy, EPA (U.S. Environmental Protection Agency), and ADEC. 2000. Record of Decision, Operable Unit A, Former Adak Naval Complex, Adak Island, Alaska. Draft Final; accepted as final and signed by the parties. Prepared by URS Greiner Inc., for Engineering Field Activity, Northwest, under CLEAN Contract No. N62474-89-D-9295. Poulsbo, Washington. Accepted as final, April 2000.

APPENDICES

- APPENDIX A INSTITUTIONAL CONTROL
INSPECTION LOGBOOK
(PROVIDED ON CD)**
- APPENDIX B INSPECTION CHECKLISTS AND
SURVEY FORMS**
- APPENDIX C PHOTOGRAPHS (PROVIDED ON CD)**
- APPENDIX D MAP DISTRIBUTION LOG**
- APPENDIX E AIRPORT UXO DVD RUN LOG**
- APPENDIX F INSTITUTIONAL CONTROL SITE
BOUNDARY MAPS (PROVIDED ON CD)**
- APPENDIX G RESPONSE TO REGULATOR COMMENTS**

APPENDIX A
INSTITUTIONAL CONTROL INSPECTION LOGBOOK
(PROVIDED ON CD)



"Rite in the Rain"

ALL-WEATHER
JOURNAL

No. 391

ADAK T055 2012 LTM

IC Inspections

Start: 9/3/12

END: ~~9/3/12~~ BP 9/15

9/11/12

"Rite in the Rain"

ALL-WEATHER WRITING PAPER



Book #: IC

Project: Adak LTM 2012

Contract: N424-255-09-D-4005

Project: TO 55

Name: Navy Installation Former

Naval Complex, Adak, AK

Address: Site Name: OUA, OUB

Start Date: 9-3-12

End Date:

Book Assignment: Beth Kercher

Company: Skanska

Environmental Services

Address: 18743 Front St NE

Ste: 201

Portsmouth, WA 98370

Phone: 360-930-3300

Reviewed by: Beth Kercher
9/20/12

CONTENTS

PAGE	REFERENCE	DATE
2	SWMU 2 Causeway LF SA 78 SA 88	9/3/12
3	SWMU 58/SA 73 SA 82 P-80/81	
34	Parcel 4	
5 ^{EP} 24	SA 77 SWMU 4/SWMM 11 Antenna field	
6	Mt Mallett Parcel 4	
7	Boy Scout Camp	
8	SWMM 17	9/4/12
9	SA 77 South of Runway	
10	NMCB, former tower Plant	
11	SWMU 62	
12	SWMU 15	
13	SWMU 55	
14	SWMM 14, SA 76, SWMM 10	
15	SWMU 29 fingerbay LF	
16	fingerbay autocheck that	
17	Metals LF	
18	Norpac bill Soap	
19	Arctic Acres	
20-21	SWMU 25	9/5/12

9/3/12 700 Health - Safety Mtg.

SWMU 2 Causeway LF

905/907 NE Photos of sign w
LF in background.
Good vegetation cover + cap
No water - no erosion

SA 78 Old transportation
Building USIs

918 W. Photo of sign along
road

924 N Photo of building, sign
and well.

No excavation, land the same
4 signs - 2 on lower road 2
up by building

SA 88 P-70 Energy Gen

930 ^{Photo} W. of site w/ sign
No excavation, no change
in land use, No GW use
3 Signs OR

~~B. Berber 9/3/12~~

9/3/12³

SWMU 58/SA 73

No excavations, 3 Signs OR,
939 SE photo of Sign - wells
No GW use, land use same

SA 82 P-80/81

946 N Photo of sign and site
No excavation, same land use,
No GW use, Signs OR

Parcel 4

1002 W of N fence line
3 sections of fence observed
Down (6 observed in 2011)
Due to severe winds,
unable to walk north fence

1015 NE Corner - Gate OR
Sign is missing

1019 East fence line sagging
section
2 sections Down

~~B. Berber 9/3/12~~

4712
1021 faded sign 2 sections down
Photo West

faded - Damage live muntions
Present Needs Replacing
Sign A3

1027 faded sign Needs Replacing
1028 Photo West Sign A3

2 sections, need to be replaced.
Nutrients (A3) Signs need
replacing and more frequent
along fence IIII

1 section down
Southern fence in Good
Condition

1056 Andrew Lake Rec ~~lake~~
Center

Sign is still down behind
Rec Center, Photo NE of
fence and Sign
Gate at Rec Center is
locked. Recommend a
Sign at Gate

B. Kercher 9/3/12

[SWMU 4 S Davis LF] "11"

1110 Walk LF.
Veg Cover. Good.

1115 Northern Swale / erosion
1119 Photo: Close up, silt fence
broken ~~silt fence~~

No erosion
1129 Photo SW of Sign.

No ponding
1132 Photo SW of Sign + Site

1150 lunch
1300 [Antenna field]

1302/1303 Photos ^{PP 9/3/12} NE of Site
and wells
1311 Photo N. of Sign
No excavation, No land use.

1316 [SWMU 11 Palisades LF]
Photo S of Sign
1322 Photo N of Sign + Site
1324 Photo NE of Sign
1332 Photo W of Ponded water
B. Kercher 9-3-12

9/3/12

1340 iPhone photo of Ponded Water.

1345 Upper area discharge point (2 photos)

Snails in good condition
Good vegetation cover

Sinkhole observed last year is under water. Water appears to channel through the voids. URBANE where Culvert is. NW Sign still blown over
NE Sign OK

UT Moffett Power Plant

1412 West of Sign and ~~sign~~ site
Sign OK No excavation
No GW use, No change to land use

Parcel 4

1431 2 photos N of missing UKO sign on road on way to HK Jean

1446 Photo North of gate
2 signs on either side of road on the way to West entrance

9/3/12⁷

fencing by Andrew Lake Gate. 3 sections need to be repaired.

Boy Scout Camp

1455 Photo S of Sign on North Side of Site

1502 Photo N of South Sign and building.

No excavation, No GW use
No change in land use.

1530 Return to Condo. finish Paperwork

Beth Archer 9/3/12

9/2/12 700 Health + Safety Mtr
SWMU 17 Power Plant 3

0745 9 transformers onsite
Same "Bad" transformer
on site.

0750 Photo east of transformers
next to building

0752 Photo east of crushed
drums and "Bad" transformer
All transformers have
blue "no PCB" labels some
are faded.

No staining observed since
ground is water saturated

0803 Photo W of former AST
location

- Photo W of AST Saddle
Coverage

- Photo of AST Gravel area
looking SW

- Photo east of excavation

0804 Photo NE of excavation
hole

Excavation observed
across driveway from
B Keecher 9/4/12

9/2/12
former AST location, along
gondrail and pipeline
approximately 15ft by 10ft by 5ft.
0810 Photo S of AST Area

Driveway and Excavated Area

0814 Photo NE of AST

0817 Photo SW of Crushed
Drums on side of building
No Change in Land Use
No other excavations
No GW Use

SA 77

0833 Photo NE of Sign
and Site

No Excavation, No GW use
No Change in Site Use

0839 South of Runway 18-36

Photo N of Sign + Site
No Change in Land Use
No Excavation No GW
Use

Sign OK B Keecher 9/4/12

9/4/12

0874/12

INMCB

0842

Photo E of Drums on S. Side of building

0849 Photo W of PVC pipe in ground and old drums in trench.

Unsure of what PVC pipe are for

0852 Photo SW of Gasoline tank observed last yr.

No Excavation, NO GW use
2 Signs & No Change in land use

0858 Photo W of Sign and Site

General Power Plant Building T-1451

0906/0907 Photo of Site East and excavated area.

Excavation conducted along Creek, permitted by NAVY

B Keecher 9/4/12

9/4/12 11

New Monitoring wells installed this year June 2012

0911 Photo SW of Building used for Vehicle Maintenance and Storage. Signs OK
No Change in Site Use
Site is Clean.

The excavation and wells are west across Main Road along East Canal

1000 School visit - Give Candy crosses the office
- Interview Kids (3K-5 4 to 12)
- Show DVD Survey new teacher

Meet with Layton Tackett City Manager. Layton talks with him about ~~the~~ Project.

1017 DMC New Housing Fueling leak

Product Recovery Systems remain on site scheduled to ~~be~~ ^{by} 9/4/12 Navy is contracting to have them removed

B Keecher 9/4/12

¹² 9/4/12

1101 Photo W of 140D
Evidence of excavation
in front yard

1107 Photo E of Sign + Site

SWMU 15

1113 Photo W of former Sinkhole

1114 E Photo of Site w/ Crab
Foot

1116 Photo W of 5 gal buckets
on pallets East Blue Shed

1117 Photo NE of Warehouse
Drums were last yr. Light
Green observed in pooled
water. Hard to see staining.

1120 Photo NE of Site

1127 Photo West of former
AST location

1125 Photo West of former AST
location

1126 Photo SE of former AST
location

Photo S of former AST
Site used for fish plant
Storage
B Keecher 9/4/12

¹³ 9/4/12

No Signs on site

SWMU 55

1135/1136 Photos NW of Site

1138 Photo W of Site

1140 Z Photos SW of Site
Sign is located East of Site
Recommend moving in front
of Site or installing a new
one.

1143 Photos S of Site
~~S~~ 9/4/12 Site still used
as Recycling Center. Less
Material on site and segregated
for removal/disposal.

Drums, Appliances, 5 gal buckets
Cylinders still on site

1146 Paint bucket spilled

1147 Photo E of Drums
on Site

B Keecher 9/4/12

14
9/4/12

SWMU 14

1154 Old Pesticide Disposal Area

Photo E of Site and
proposed Sign location

No Excavation
No GW Use, No Change in
land use. ~~BP~~ Sign in
wrong location Propose
New Sign location

ISA 76 Old Line Shed

1158 Photo ^{SE proposed} Sign location and
Site

same site use as last
yr No Excavation, NO GW
Use, No Signs.

SWMU 10 Old Baker
Building

~~BP~~ Photo S. of Site

1201 No Change in land use
No Excavation, ~~BP~~ Signs.
No GW Use, ~~BP~~
to Kerchee 9/4/12

15
9/4/12

1205 Photo NE of Monitoring
Well on site

1206 Photo NE of Sign
Sign on ~~South~~ East
Side of Site along
Bay Area DR
Recommend adding sign
NE Side of Site

1215 Lunch

1320 SWMU 29 Ringed Bay LE

Photo NW of Ponding
Water on South Side of
Site

1321 Photo W of Water
on South Side of Site
Running towards Road

1322 Photo South of ponding
water

1323 Photo N of ~~sub~~ ^{BP ponded area} area
Photo E of same spot

1328 Photo W of Stream
Running towards Road on
North end of Site ~~BP~~

16
9/24/12

1326 Photo W of Stream
on N end of Site

1308 Pooled water on ^{East} West
side of Site

1329 Photo SE of Site

1330 Photo NE of Site

1330 Photo West of Bedrock

1351 Photo West of Bedrock
+ Road

1334 Photo looking NW from
Southeast of Site

1336 Stream looking east
south of Site

1342 Looking East with Signs
and Site.

No erosion, excavation
3 signs present.
some ponding water

Fingelbay Quonset Hut

1400 Photo West of Sign
No change in land use
Sign of No GW use,
NO ~~excavation~~ 9/24/12 excavation
B Keecher 9/24/12

17
9/24/12

1450 2 photos W of Sweeper
Cove from the Road to

Fingelbay ^(P)
1451 ~~Small boat~~ 9/24/12
- Fuel Rest Sweeper Cove
- Sweeper Cove

Metal LE / SWMU 13

1511 Photo west sparsely
vegetated area

1512 - Photo East of South Site
- Photo NE of South Site

1518 Photo N of ATV tracks

1529. Photo S of Site

1531. Photo SE of Site
- Photo S of Site

1532 Photo S of Rip Rap

1534 Photo NE of Metal Corning
out of Rip Rap at N end of
LE

1534 Photo S of Site

B Keecher 9/24/12

9/4/12

- 1536 Photo S of Rip Rap
 1537 Minor erosion of Swale
 1538 Eroded Swale from last yr
 1539 - Eroded Swale from last yr
 - View West of Swale

1541 Photo S of Rip Rap
 Overall in good condition

No excavations

Minor erosion of one Swale
 + Erosion of 2nd

ATV tracks still visible but
 Vegetation is growing

Areas of standing water due
 to recent heavy winds. Not
 appear to be affecting the
 Cap

- 1600 West gate + Sign
 1603 North sign is present
 Sign on South sign present

Wopac Hill Seep

- 1607 Photo West of Sign + Site
 No excavation, No GW,
 No changes in site use
 Sign OK
 B Archer 9/4/12

9/4/12

Housing Area Arctic Acres

- 1622 Photo of Sign and Site
 North
 1628 North of Sign on West
 side of Site
 No excavation, No Change in
 Site use, No GW signs
 OK
 1635 Return to Condo to do
 tapework

Beth Archer
 9/4/12

20
9/5/12

0700 Health and Safety/QC
Planning Meeting

Summ 25
Krober 2F

0854 Photo N of Scap
of 2 SWOS NL-13

0901 Photo SW of Scap
from road with ponding

0902 Photo SW of Culvert
and stream south of
Scap.

Walked to gate saw shell
losings which appear to
be spent.

0938 Photo S of Pond on LF

0938 Photo SE of Sparsely veg
Area + the photo close up.

0942 Photo N of graded area

0943 Photo W of larger northern
graded area

0954 Photo ~~SW~~ ^{SP} NW of open gate
to Fuels

B. Krober
9/5/12

9/5/12 21

0956 Photo SW of gate unable
to lock
Recommend New gate
Size OK

1005 Photo East of Sweeper
Cave

Southeast gate in good
Condition

1040 Photo SE of southern
fence line

1041 Photo west of SE Swale +
Site

1046 Photo W of Slope to Swale
+ Culvert ^{SP 9/5}

1049 Photo W of ~~SW~~ Swale South
of SW Gate. Minor erosion
showing here.

Overall Site in good
Condition. No signs of
vehicles or people or
animals on site

B. Krober
9/5/12

9/5/12

SWMU 23

Heart Lake

- 1112 Photo SW of Site
No Excavation, No GW
No Land Use, Signs OK

SWMU 67

White Alice RB

- 1133 Photo SW of New Cell
tower

- 1135 ~~HSS~~ 9/5/12 Photo SW
of Site
Landfill Sign Rec Changing

SWMU 21A

Upper Quarry

9/5/12

- ~~HSS~~ Photo ~~W~~ of Site
1156 ~~RP~~ 9/5

- 1155 Photo S of Site
No Excavation, No GW Use
2 Signs OK

SWMU 23 Trench (week)

Drum Disposal

- 1203 Photo West of Site
B. Rescher
9/5/12

9/5/12

- 1205 Photo N of Site
No Excavation, No GW
Use, Signs OK
No Change in Land Use

SWMU 18/19 White Alice
LF

- 1232 Photo N of S Swale

- 1238 Photo N of eroded area
discovered last yr

- 1241 Photo NE Top of Swale
1247 Photo SW of Bottom of
Swale

- 1243 Photo N of Site
1244 Photo E of Site
1247 Photo SW of White Alice +
RP 9/5

- 1250 Photo SW from NE of Site
1256 Photo SE of eroded area by
S Gate 42' x 76'

- 1304 Photo NW of S Gate + Sign
No Excavation, No GW, Signs
OK, Site is in Good Condition
B. Rescher 9/5/12

9/5/12

1328 Lunch at Cold Park Cafe
 Seeley 2 visitors and
 one Resident

1436 Stop at ^{BP 9/5/12} S of Van Swaper
 Creek to look at collapsed
 culvert

1440 Talk to Joe at fuels
 about going to look at
 Seep location, N2-14. They
 are moving fuel today
 and so will have to
 wait until tomorrow
 Ask about the open gate
 at Roberts. It is left open
 for the City to get to the
 water. The only way to
 get there is through
 fields which keeps their
 gate locked.

B Archer
 9/5/12

9/5/12

SWMU 607

1450 Photo W of former
 loading dock fill station
 No excavation, No GW use
 2 signs. OK

1508 [Amulet housing 706]
 No excavation, No GW use
 Sign OK. No change in
 land use photo E

1512 [Amulet housing 709]
 Photo E of sign + site
 No excavation, No GW use
 No change in land use
 Sign OK

1534 [BA Compound]
 Photo West of site + sign
 No change in land use,
 No excavation, No GW use,
 Sign OK B Archer 9/5/12

²⁶
9/5/12
1534

Taylor Shed

Small Remediation system
Still on site, Navy looking
w/ having it removed.
Sign OK. No change in
land use. No excavation
No GW use.

SA 80

1545 Photo S of site +
Sign

Roice Contractors Camp

1559 No excavation No change
in land use, No GW use
Sign OK

MAW Compound

1606 Photo South of Site +
Sign
No excavation, No GW
use No change in
site use. Sign OK

R Reading 9/5/12

²⁷
9/5/12

Yakutat Hangar

1656 Photo E of Sign + Site
No excavation, No GW use
No change in land use
Sign OK

SWMU 12 firefighting
training Area

1700 Photo N of Sign + Site
No excavation, No GW
Use Sign OK

Runway 5-23 Avgas

1704 Photo N of Site + Sign
No excavation No GW use
Sign OK

1706 flooding onsite looking
North
1720 Return to Condo for
topework

~~Bob Kercher
9/5/12~~

9/6/12

0700 Health + Safety/QC/
Planning Mtg.Robert PF0800 Go to fuel. Meet with
Joe to go see seep on
fuel next to fuel.B. Keecher S Elkind, Swunderlich
A. Vunk escorted by Bob
& fuels.0838 - Photo east of seep
- Photo south of seep

0857 Photo N of seep

0876 SWMU 10 Tank farm B~~0850~~
0857 Photo NE of sign +
~~0876~~ side0904 Photo NE of sampling
seeps0905 Photo SW of site
No excavation, No GW useB No Change in land
use if signs OK

9/6/12

0922 SA 79

Photo east of site

No excavation No GW use

No Change in land use

Sign posted on opposite
side of Sweeper Creek.→ Kuluk Bay

0938 Photo S of Kuluk Bay

0938 Dropped Avukik of
at this pondsB Keecher and S Elkind
head to Loran1000 Loran

1012 Photo of sign + site

No excavation No

Change in land

use Sign of

1023 Photo E of building

Photo NE of building

9/6/12
1115

Antenna field

1130/1131 Photos East of
Site w/ wells.

1145 Lunch @ Bay 5
interview 2 residents

1300 Dept of Fish & WL
office meet with
Lisa Spiller and collect
Map distribution list

1330 Return to Condo - to
do paperwork

1400 Don Palmer + Beth
Torres go to Roberts LF
to Groundwater Source
& Surface Water Sample
RLSW 05.

1420-Photo West from RLSW 05
-Photo SW upstream from
RLSW 05
-Photo SW standing water

31

1420 Photo NW from RLSW 05
one of the forks.

1421-Photo W of Bay area upstream
from RLSW 05
-Photo SW of Bay area upstream
from RLSW 05

1422 Photo NW of rusted pipe
upstream of RLSW 05

1423 Northern Most Culvert on
West Side of Road draining to
RLSW 05 (Photo East)

1425 Northern Most Culvert on
Western Side of Road (Photo
East)

1425 Photo N of Water North
of Northern Culvert, on West
Side of Happy Valley Rd

1425 Photo S of Water South of
Northern Most Culvert on W.
Side of Road

1426 Photo West of Water Seeping
from Landfill Side of Happy
Rd. S of Northern Culvert

1426 Photo W of Bay Area W
of Happy V Rd S of N Culvert

9/6/12

- 1427 Photo N of trench on
W Side of Happy Valley Rd
- 1428 Photo E of 2nd Culvert
South on East Side of
Happy V Rd leading to Issues
- 1428 Photo NE of Culvert and
Back
- 1429 Photo N of West Side of
Rd access from 2nd Culvert
- 1429 Photo ~~SW of~~ ~~2nd~~ ~~9/6~~
West of West Side of Road
and Seepage into trench
- 1430 Photo SW of West Side of
H.V. Rd - trench Dm.
- 1444 Photo NW of Culvert. Coming
out along H.V. Rd S. of
SW gate
- 1446 Photo NS of Pond from
H.V. Rd. Black ~~9/6~~
PVC in foreground
- 1450 Photo SE of H.V. Trench on
N Side of Road
- 1452 Photo NE of N Side of
Road at 3rd Culvert along
Road.
- B. Secher 9/6/12

9/6/12

- 1452 Photo NE of N Side of
Road Swales leading into
3rd Culvert
- 1452 Photo S on S Side of Rd.
of 3rd Culvert Running toward
Shooting Range
- 500 Return to Condo for paperwork
- 1700 Take a Viewik to Airport
Conduct Surveys with
3 Residents and 3 Visitors
DVD Not Playing.
- 1800 Return to Condo to
Complete paperwork

Beth Secher
9/6/12

0700 Health and Safety | 9/7/12
 Planning/OC Meeting.
 Ask John about Airport
 DVD. He says he got
 Stunned when he
 arrived at the Airport
 and kept.

0800 Work on IC paperwork

1100 ~~9/7~~ Alert Real Estate
 office. Closed. Record phone
 number 907.592.2525

1115 Return to Condo try
 number no answer.
 Continue paperwork

1300 Jack Stuart is running
 Alert Real Estate while
 Helene is out of town.
 Andy has Jack's cell.
 907.592.9766 leave VM.

1700 finish paperwork for
 day. ~~2-3 hrs~~ 9/7/12

0700 Health + Safety | 9/8/12
 Planning Meeting
 No IC work on 9/8/12

~~Beth Archer 9/8/12~~

9/9/12

1230 J Highstone Drops off
DVD Run logs for
June, July and August 2012

Arrive at Airport. DVD is running.
1730 Adak Airport. Conduct
Survey on 3 Residents
and 6 visitors.

Meet with Jack Stuart
at Aleut Real Estate. He
is unaware of the Map
distribution list and where
to find it. He continues to
distribute Maps to visitors.

1800 Return to Condo to complete
Paperwork.

Beth Kercher 9/9/12

9/11/12

0700 Health and Safety/planning/
AC Meeting
Work on Paperwork/Report

1300 SWMM S5 + 241

1314 Photo South of Site Overview

1332 Photo East of Drum pile

1330 Drums ^{BE 241} ~~one~~ Materials onsite
NE

1333 Materials onsite North

1400 Return to Condo

Beth Kercher 9/11/12

APPENDIX B
INSPECTION CHECKLISTS AND SURVEY FORMS

APPENDIX B CONTENTS

SWMU 10, Old Baler Building	B-1
SWMU 14, Old Pesticide Disposal Area	B-3
SWMU 15, Future Jobs/DRMO	B-5
SWMU 16, Former Firefighting Training Area	B-9
SWMU 17, Power Plant 3 Area	B-11
SWMU 55, Public Works Transportation Dept. Waste Storage Area	B-15
SA 76, Old Line Shed Building	B-19
SWMU 13, Metals Landfill	B-21
SWMU 25, Roberts Landfill	B-25
SWMU 24, Hazardous Waste Storage Facility	B-31
SA 77, Small Drum Storage Area	B-35
Amulet Housing, Well AMW-706 Area	B-37
Amulet Housing, Well AMW-709 Area	B-39
Former Power Plant, Building T-1451	B-41
ROICC Contractors Area (USTs ROICC-7 & ROICC-8)	B-43
Runway 5-23 Avgas Valve Pit	B-45
SA 79, Main Road Pipeline	B-47
SWMU 60, Tank Farm A	B-49
SWMU 61, Tank Farm B	B-51
Housing Area (Arctic Acres)	B-53
GCI Compound, UST GCI-1	B-55
NMCB Building T-1416 Expanded Area	B-57
NORPAC Hill Seep Area	B-60
SA 80, Steam Plant 4	B-62
SWMU 62, New Housing Fuel Leak	B-64
South of Runway 18/36 Area	B-67
Tanker Shed UST 42494	B-69
Yakutat Hangar, UST T-2039-A	B-71
SWMU 20, White Alice/Trout Creek Disposal Area	B-73
SWMU 21A, White Alice Upper Quarry	B-75
SWMU 23, Heart Lake Drum Disposal Area	B-77
SWMUs 52, 53, 59 Former Loran Station	B-79
SWMU 67, White Alice PCB Spill Site	B-81
SWMU 2, Causeway Landfill	B-83
SWMU 4, South Davis Road Landfill	B-86
SWMU 11, Palisades Landfill	B-90
SWMUs 18/19 White Alice Landfill	B-94
SWMU 29, Finger Bay Landfill	B-98
Antenna Field USTs ANT-1 to ANT-4	B-103
Boy Scout Camp, West Haven Lake, UST BS-1	B-105

APPENDIX B CONTENTS (continued)

Finger Bay Quonset Hut (UST FBQH-1)	B-107
MAUW Compound (UST 24000-A)	B-109
Mount Moffet Power Plant No. 5, USTs 10574-10577	B-111
SWMU 58 / SA 73, Heating Plant 6	B-113
SA 78, Old Transportation Building	B-115
SA 82, P-80/P-81 Buildings	B-117
SA 88, P-70 Energy Generator	B-119
Parcel 4	B-121
Educational Evaluation Survey Forms	B-124

FIGURES

Figure 2-1	SWMU 15, Future Jobs/Defense Reutilization Marketing Office	B-8
Figure 2-2	SWMU 17, Power Plant 3 Area	B-14
Figure 2-3	SWMU 55, Public Works Transportation Department Waste Storage Area and SWMU 24, Hazardous Waste Storage Facility	B-18
Figure 2-4	SWMU 13, Metals Landfill	B-24
Figure 2-5	SWMU 25, Roberts Landfill	B-30
Figure 2-6	NMCB Building Area	B-59
Figure 2-7	SWMU 62, New Housing Fuel Leak Area	B-66
Figure 3-1	SWMU 4, South Davis Road Landfill	B-89
Figure 3-2	SWMU 11, Palisades Landfill	B-93
Figure 3-3	SWMU 18/19 White Alice Landfill	B-97
Figure 3-4	SWMU 29, Finger Bay Landfill	B-102
Figure 3-5	Parcel 4	B-123

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: SWMU 10, Old Baler Building **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-4-12 / 1152

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy windy/ 50° F

Sign Inspection:

- | | Yes | No |
|--|-----------------------------|--------------------------|
| 1. Are there any signs located at the site? | X | <input type="checkbox"/> |
| <u>One sign is located on the southeast side of the site along Bayshore Drive, and one is located on the northwest corner across the street from the site.</u> | | |
| 2. Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | X | <input type="checkbox"/> |
| 3. Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | X |
| 4. Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | X |
| 5. Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | X |
| 6. Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | NA <input type="checkbox"/> | <input type="checkbox"/> |

Land Use Inspection:

- | | | |
|--|--------------------------|---|
| 7. Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | X |
| 8. Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

- Yes No**
9. Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... **X**
-

Installed Remedy Inspection:

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)... **X**
-

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA
-

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA
-

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed.....**X**

A sign is located on SE side of site.

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1201	South	Road	Site area
1205	Northwest	Bayshore Drive	Monitoring well
1205	Northwest	Bayshore Drive	Sign on southeast side of site

Additional notes: Area is used to store cinder blocks.

Non-Landfill Primary Inspection Checklist

Page 1 of 2

Site Name: SWMU 14, Old Pesticide Disposal Area **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-4-12 / 1150

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy, windy / 50° F

Sign Inspection:

- | | | Yes | No |
|----|---|-----------------------------|--------------------------|
| 1. | Are there any signs located at the site? | <input type="checkbox"/> | X |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | NA <input type="checkbox"/> | <input type="checkbox"/> |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | X |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | NA <input type="checkbox"/> | <input type="checkbox"/> |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | X |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | NA <input type="checkbox"/> | <input type="checkbox"/> |

Land Use Inspection:

- | | | | |
|----|---|--------------------------|----------|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | X |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |
| 9. | Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection:

- | | | | |
|-------|---|-----------------------------|--------------------------|
| | | Yes | No |
| 10. | Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 11. | Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below..... | NA <input type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 12. | Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below..... | NA <input type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |

Completion of Previous Inspection Recommendations:

- | | | | |
|-------|--|--------------------------|----------|
| 13. | Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... | <input type="checkbox"/> | X |
| <hr/> | | | |

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1154	East	Access road	Site area

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 3

Site Name: SWMU 15, Future Jobs / DRMO **Map Reference No.:** Figure 2-1

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-4-12 / 1110

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Rain, wind / 47° F

Sign Inspection:

1. Are there any signs located at the site? **Yes** **No**

2. Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) NA

3. Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... **X**

The sign that was on the north side of the site is missing.

4. Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below **X**

5. Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. **X**

6. Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... **X**

Land Use Inspection:

7. Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... **X**

8. Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... **X**

9. Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... **X**

Non-Landfill Primary Inspection Checklist
Page 2 of 3

Installed Remedy Inspection:

Yes No

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... **X**
-
11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA
-
12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA
-

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed.....**X**

All 55-gallon drums, debris, and vehicles observed onsite in 2011 have been removed. Puddles of water with slight petroleum sheen were observed in same area as the oily stained areas observed in 2011. The puddles prevented observing if the petroleum staining remains at this location. The aboveground storage tank (AST), 55-gallon drums of fuel, and oil-stained soil located near well MW15-424 have been removed from the site. A pile of gravel fill covered by poly-sheeting is now located here. There was no obvious area of excavation, but new gravel appears to have been spread where the oil-staining was observed last year. The oily-stained soil observed at this location during the 2011 inspections was not was not observed during the 2012 inspection.

Photographs:

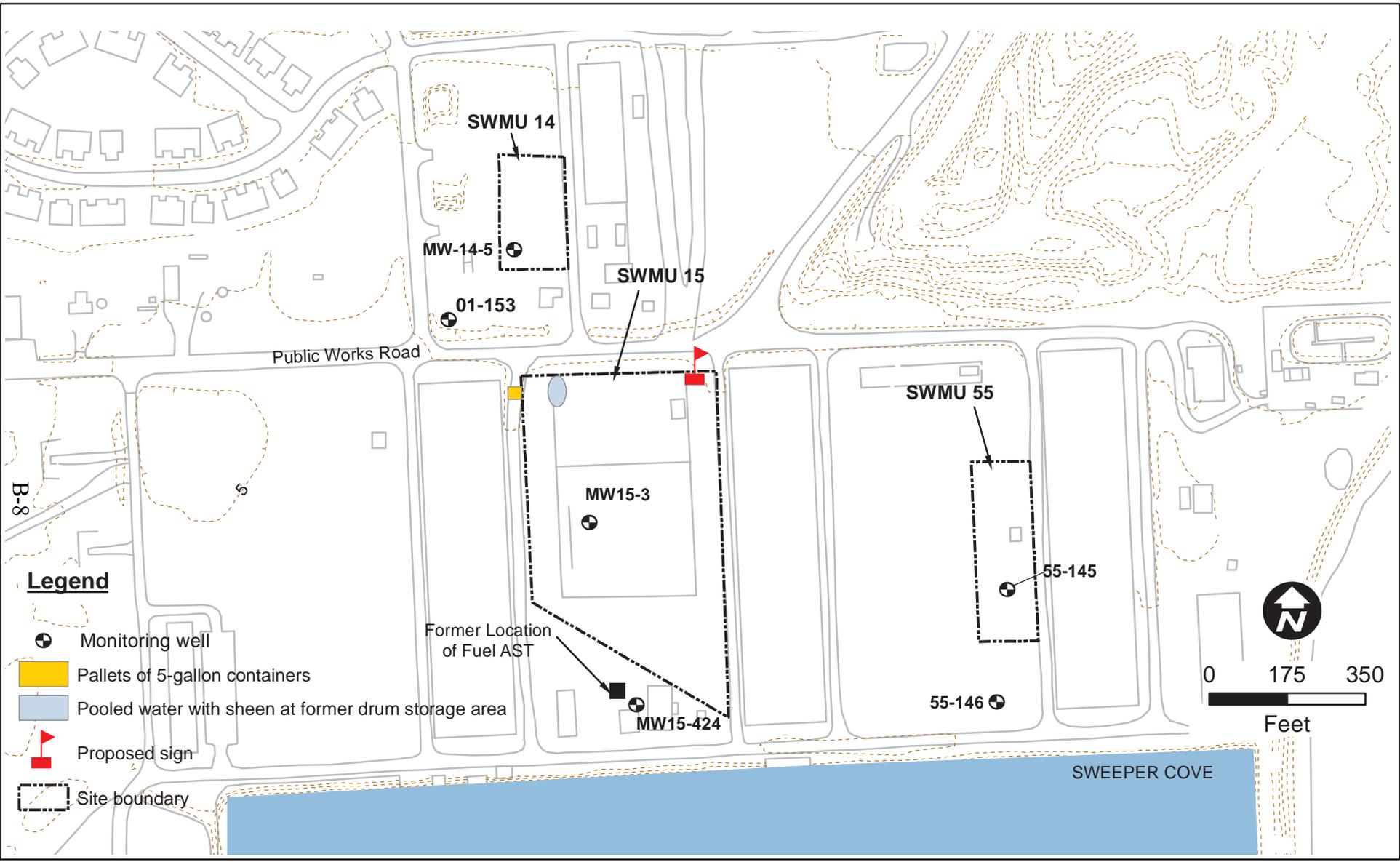
14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1113	West	Road	Former sinkhole location
1114	East	Access road	Fishing equipment storage area
1116	West	Access road	5-gallon containers on pallets east of the blue shed
1117	Northeast	Access road	Location where drums were stored during previous inspections and stained soil was observed. Slight sheen observed in pooled water.
1120	Northeast	South end of site	Site overview
1125	West	Center of site	Former AST location with gravel pile
1126	South	Center of site	Former AST location with gravel pile
1126	Southeast	Center of site	Former AST location with gravel pile
1127	West	Center of site	Former AST location with gravel pile

Non-Landfill Primary Inspection Checklist
Page 3 of 3

Additional notes: Site is being used by the fish plant to store fishing equipment. Three areas of oil-stained soil observed during the previous inspections in the northwest portion of the site where drums were observed in 2010 were difficult to see with standing water and saturated soil from recent rain. A slight sheen was observed in one of the large puddles. Two pallets of 5-gallon containers of unknown contents were observed adjacent to the blue shed northwest of the site.

DEC 19, 2012
Path: F:\Adak_GIS_Files\Adak_IC_Figures\IC2012_IC_MAPS2_1_SWMU_15_2012_TO55.mxd



U.S. NAVY

SEALASKA

Figure 2-1
SWMU 15, Future Jobs/Defense Reutilization Marketing Office

Task Order 55
Adak Island, AK
2012 IC Inspection Report

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: SWMU 16, Former Firefighting Training Area **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-5-12 / 1700

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy, windy / 52° F

Sign Inspection:

- | | | Yes | No |
|-------|---|-------------------------------------|-------------------------------------|
| 1. | Are there any signs located at the site? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Land Use Inspection:

- | | | | |
|-------|---|--------------------------|-------------------------------------|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Yes No

9. Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... X
-

Installed Remedy Inspection:

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)... X
-

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA
-

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA
-

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... X
-

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1700	North	Access road	Excavation restriction sign

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 3

Site Name: SWMU 17, Power Plant 3 Area **Map Reference No.:** Figure 2-2

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-4-12 / 0800

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Rain, wind / 48° F

Sign Inspection:

- | | | Yes | No |
|-------|---|----------|----------|
| 1. | Are there any signs located at the site? | X | |
| <hr/> | | | |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | X | |
| <hr/> | | | |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | | X |
| <hr/> | | | |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | | X |
| <hr/> | | | |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | | X |
| <hr/> | | | |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | | X |
| <hr/> | | | |

Land Use Inspection:

- | | | | |
|-------|---|--|----------|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | | X |
| <hr/> | | | |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | | X |

An excavated area 15 feet x 10 feet x five-feet deep was observed along the east side of building 10284 across the roadway from the former AST location (Figure 2-2). No visible evidence of petroleum contamination was noted. According to a power plant employee, the City conducted the excavation to repair a leak in the City's water main. An Excavation Notification was not submitted to the Navy.

Non-Landfill Primary Inspection Checklist
Page 2 of 3

- | | | |
|----|--|-----------|
| | Yes | No |
| 9. | Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | X |
-

Installed Remedy Inspection:

- | | | |
|-----|---|----------|
| 10. | Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... | X |
|-----|---|----------|
-

- | | | |
|-----|---|----|
| 11. | Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below..... | NA |
|-----|---|----|
-

- | | | |
|-----|--|----|
| 12. | Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below..... | NA |
|-----|--|----|
-

Completion of Previous Inspection Recommendations:

- | | | |
|-----|--|----------|
| 13. | Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... | X |
|-----|--|----------|

The stained soil partially covered with clean gravel observed in the area of the former 500-gallon AST location on the east side of building 10284 during the 2010 inspection was not observed in 2012. The oily soil approximately 6 feet in diameter that was observed during the 2011 inspection and located west of the AST secondary containment was not observed in 2012. Large pieces of equipment were staged in this area preventing a complete inspection. The 150 crushed drums and two large transformers observed in the AST secondary containment in 2011 were again observed in 2012. Seven additional large transformers (approximately 50 gallons) were observed staged on a concrete pad adjacent and south of the secondary containment. All of these transformers were observed to have “No PCBs” stickers.

Photographs:

- | | |
|-----|--|
| 14. | Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs. |
|-----|--|

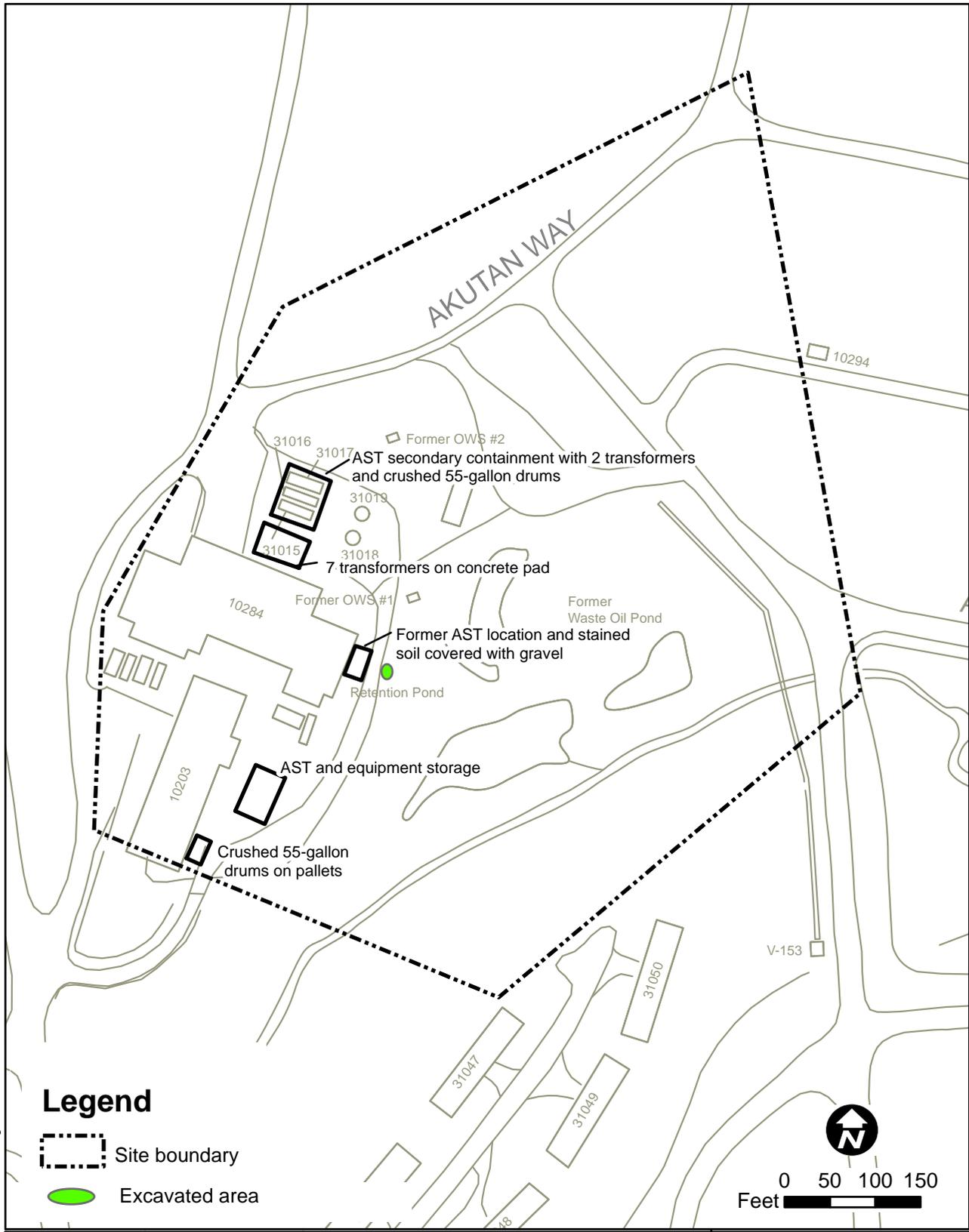
Time Taken	Direction Facing	Location Taken From	Subject of Photograph
0750	East	Road	Seven transformers on concrete pad. All have “No PCBs” labels.
0752	East	Road	Existing ASTs with secondary containment located north of Power Plant with crushed 55-gallon drums and two transformers labeled “BAD.”
0803	West	Access road on east side of power plant	Former 500-gallon AST location adjacent to building 10284
0803	Southwest	Access road on east side of power plant	Clean gravel at previous 500-gallon AST location on east side of building

Non-Landfill Primary Inspection Checklist
Page 3 of 3

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
0803	North	Access road on east side of power plant	North of former 500-gallon AST location and clean gravel over oily-stained soil
0803	East	Access road on east side of power plant	Excavated area across road from former AST on east side of Power Plant
0804	East	Access road on east side of power plant	Close up of excavated approximately 15-feet x 10-feet x 5-feet deep
0810	Southwest	Access road on east side of power plant	View of excavation and former AST location on east side of building
0814	Southwest	Access road on the east side of power plant	AST stored on southeast side of Power Plant.
0817	West	Access road on east side of power plant	Crushed 55-gallon drums stored on the southeast side of Power Plant.

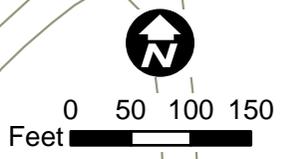
Additional notes: Approximately 50-100 crushed drums on pallets observed in 2011 remain along the east side of building 10203. The yard on the east side of building 10203 is also being used to stage equipment and the 500-gallon AST that was removed from the east side of building 10284.

NOV 14, 2012
Path: S:\ARC\GIS\Adak GIS Files\IC\2012_IC_Figures\IC\2012_IC_MAPS\2_2_SWMU_17_2012_IT055.mxd



Legend

-  Site boundary
-  Excavated area



U.S. NAVY SEALASKA

**Figure 2-2
SWMU 17, Power Plant 3 Area**

Task Order 55
Adak Island, AK
2012 IC Inspection Report

Site Name: SWMU 55, Public Works Transportation **Map Reference No.:** Figure 2-3
Dept. Waste Storage Area

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-4-12 / 1130

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy, windy/ 48° F

Sign Inspection:

- | | Yes | No |
|--|-------------------------------------|-------------------------------------|
| 1. Are there any signs located at the site? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 2. Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 3. Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 4. Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 5. Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Install sign on north side of site as shown in Figure 2-3.

- | | | |
|--|--------------------------|-------------------------------------|
| 6. Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|-------------------------------------|

Land Use Inspection:

- | | | |
|--|--------------------------|-------------------------------------|
| 7. Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 8. Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

The large amount of debris on the ground surface prevented confirmation that no excavations have occurred at the site.

Yes No

9. Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... **X**

Installed Remedy Inspection:

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed.....**X**

The area is still being used as the community’s “Recycling Center.” The debris appeared to have been more segregated by material type (i.e., wood, metal, electronics, vehicles, etc.), less debris was observed to be present in 2012 than during the 2011 inspection. TAC is currently in the process of shipping metal off island for recycling. Due to recent rain, standing water was observed throughout the site and a slight sheen was observed where drums and soil staining were observed during the 2011 inspection. See below for a description of the debris.

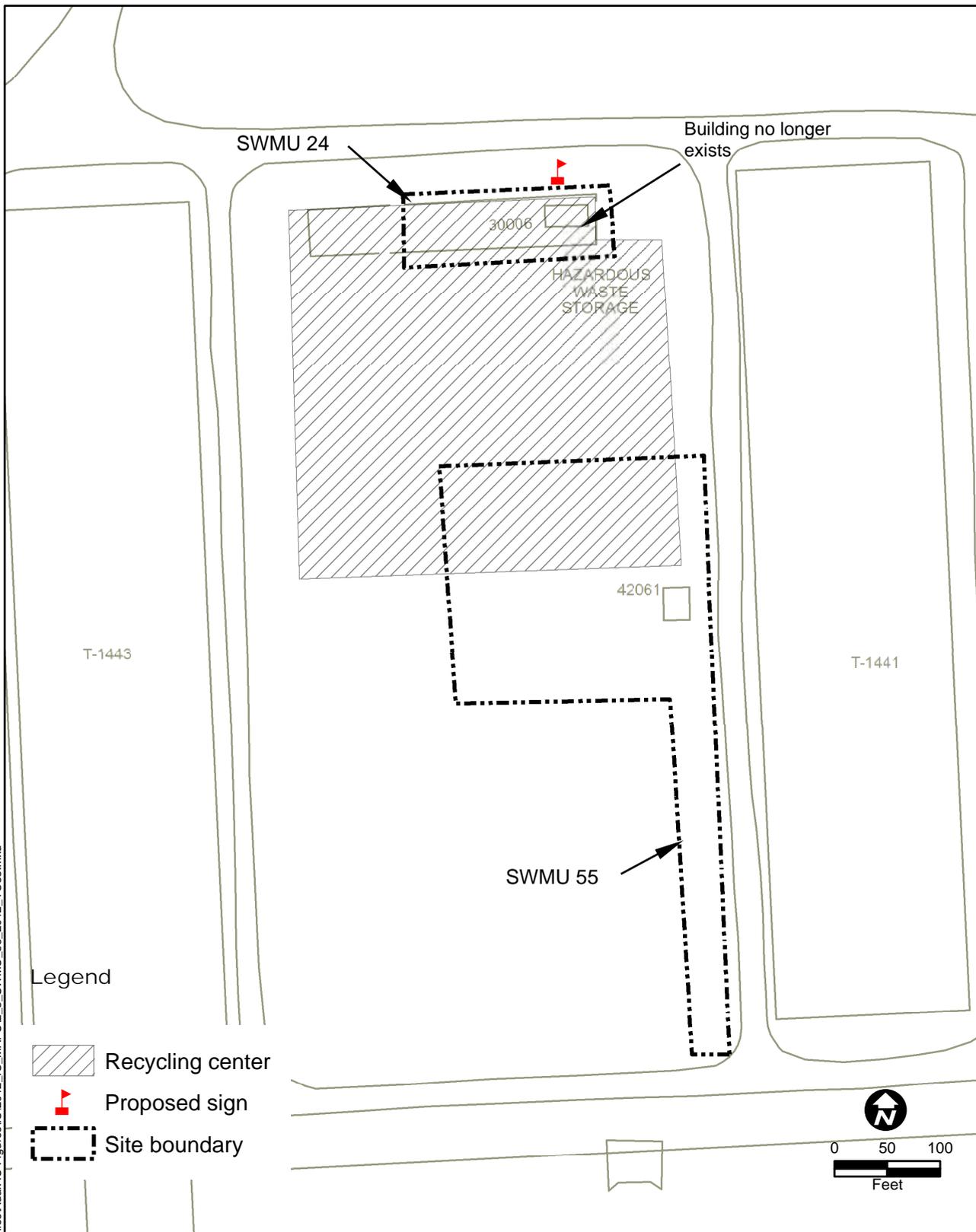
Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1135	Northwest	Access road on southeast side of site	Site with debris. Former location of 2011 vehicles storage area.
1136	Northwest	Access road on east side of site	Site and debris
1138	West	Access road on east side of site	Site and debris with equipment staged
1140	Southwest	From Public Works Road	Site debris and discarded heavy equipment
1140	Southwest	From Public Works Road	Site and debris

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1143	South	From Public Works Road	Debris and shipping containers on north end of site
1143	South	From Public Works Road	North end of site and equipment and debris
1145	Southeast	Access road on west side of site	Paint can with spilled paint. Abandoned vehicles and building debris.
1147	East	Access road on west side of site	Drums stored onsite
1314	South	Metals Landfill	Overview of site
1315	South	Metals Landfill	Overview of site
1330	North	Center of site	Electrical equipment debris stored onsite
1332	West	Center of site	Piled 55-gallon drums stored onsite
1332	Northeast	Center of site	Rusted 5-gallon paint cans and containers in poly bins
1333	Northwest	Center of site	Piled debris onsite

Additional notes: Area is still being used as the island “Recycling Center.” Large amounts of the materials and debris observed in 2011 have since been removed. All but a few of the dilapidated vehicles staged in this area have been removed. However, quantities of materials still remain onsite and include but are not limited to: wood, metal, and building debris; equipment and vehicle parts; various-sized tanks and shipping containers; several crushed and whole 55-gallon drums; containers of various sizes with unknown liquids; and paint wastes. The metal shed located on SWMU 24 and adjacent to SWMU 55 observed in 2011 which contained a large quantity of containers was no longer present during the 2012 inspection. The pink connex box containing 5-gallon containers and underlying stained soil still remains at the site. There is no restricted access or soil barrier at the site.



Date: 11/16/2012
 Path: S:\ARCGIS\Adak GIS Files\Adak IC Figures\IC\2012_IC_MAPS\2_3_SWMU_55_2012_TO55.mxd

<p>U.S. NAVY</p>	<p>SEALASKA</p>	<p align="center">Figure 2-3 SWMU 55, Public Works Transportation Department Waste Storage Area and SWMU 24, Hazardous Waste Storage Facility B-18</p>	<p align="center">Task Order 55 Adak Island, AK 2012 IC Inspection Report</p>
-------------------------	------------------------	---	--

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: SA 76, Old Line Shed Building **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9/4/12 / 1150

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy, windy / 50° F

Sign Inspection:

- | | Yes | No |
|--|-----------------------------|-------------------------------------|
| 1. Are there any signs located at the site? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <u>But there are sign in the near vicinity.</u> | | |
| 2. Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | NA <input type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | |
| 3. Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | NA <input type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | |
| 4. Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | NA <input type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | |
| 5. Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 6. Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | NA <input type="checkbox"/> | <input type="checkbox"/> |

Land Use Inspection:

- | | | |
|--|--------------------------|-------------------------------------|
| 7. Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 8. Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

- Yes No**
9. Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... **X**
-

Installed Remedy Inspection:

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)... **X**
-

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA
-

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA
-

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**
-

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1158	Southeast	Access road	Site area and proposed sign location

Additional notes: _____

Landfill Primary Inspection Checklist
Page 1 of 3

Site Name: SWMU 13, Metals Landfill **Map Reference No.:** Figure 2-4

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-4-12 / 1500

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy to partly cloudy, wind / 51° F

Landfill Cap Inspection:

- | | | Yes | No |
|----|--|-------------------------------------|-------------------------------------|
| 1. | Is water draining off the cap? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. | Is any ponding noted?..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. | Is there a sheen on the surface of the cap? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. | Is erosion occurring? If yes, describe location, condition, severity, and provide square footage. Sketch location on back of form. Document photographs below..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

The swale north (Swale 6) of monitoring well 13-2 is damaged near the cliff. Erosion is evident with the liner exposed and torn. The swale furthest north (Swale 7) had minor evidence of erosion with some liner exposed.

- | | | | |
|----|---|-------------------------------------|-------------------------------------|
| 5. | Are there any odors? If yes, describe the odor and intensity..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6. | Is there vegetation established on the vegetated cap? (Note if revegetation has failed and bare soil is visible and document photographs below.)..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7. | Is there discoloring of the cap material? If yes, describe appearance, location and square footage. Sketch location on back of form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8. | Is there manmade debris coming up through the cap? If yes, note type of debris, location, and square footage. Sketch location on back of form. Document photographs below. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

There are small amounts of metal debris visible in the shoreline armor walls that are not affecting integrity.

- | | | | |
|-----|--|-----------------------------|-------------------------------------|
| 9. | Are there seeps flowing from the landfill? If yes, describe the seep (including length and width) and flow rate. Sketch location on back of form and document photographs below. . | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 10. | Is this a new seep?..... | NA <input type="checkbox"/> | <input type="checkbox"/> |

Landfill Primary Inspection Checklist

Sign Inspection:

Yes No

11. Are there any signs located at the site?X

Yes No

12. Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.)X

13. Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... X

14. Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below X

15. Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. X

16. Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location..... X

Land Use Inspection:

17. Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... X

18. Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... X

19. Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... X

Landfill Primary Inspection Checklist
Page 3 of 3

Fence and Gate Inspection:

Yes No

20. Are the fence and gate in good condition? If no, describe condition below and sketch damage and location of damage on the back of form or attach map. Document photographs below.....X

Fencing is not required. Gate is in good condition.

Completion of Previous Inspection Recommendations:

Yes No

21. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed.....X

Swale 6 liner still needs repair.

Photographs:

22. Use this space to document photos. Two photographs should be taken for each location where damage or erosion is noted.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1511	West	South end of site	Vegetated cap on south end of landfill
1512	Northeast	South end of site	South end of site overview of cap
1512	East	South end of site	South end of site overview of cap
1518	North	North end of site	ATV tracks on cap
1529	Southeast	North end of site	Site overview of cap
1531	South	North end of site	Site overview of cap
1531	Southeast	North end of site	Site overview on lower bench
1532	South	Northeast side of site	Armor wall midway along landfill
1534	Northeast	Northeast side of site	Vegetative cap on lower bench near wells
1534	Northeast	Northeast side of site	Armor wall with metal debris
1535	South	Northeast side of site	Armor wall along landfill
1537	Southwest	East side of site	Swale 7 with exposed liner
1538	East	East side of site	Swale 6 erosion and exposed liner next to shoreline
1539	South	East side of site	Swale 6 erosion and liner damage
1541	South	East side of site	Armor wall and shoreline
1600	Southwest	Bayshore Highway	Gate and sign
1603	South	Bayshore Highway	Sign at north end of site

Additional notes: Armor wall on shoreline is in good condition. Some minor metal debris was observed in the armor wall along landfill shoreline. ATW tracks observed in 2011 on the center of the landfill approximately 200 ft long are still visible. Vegetation is growing within the tracks and not affecting the integrity of the landfill cap. Scrap metal on cliff north of landfill is still present.

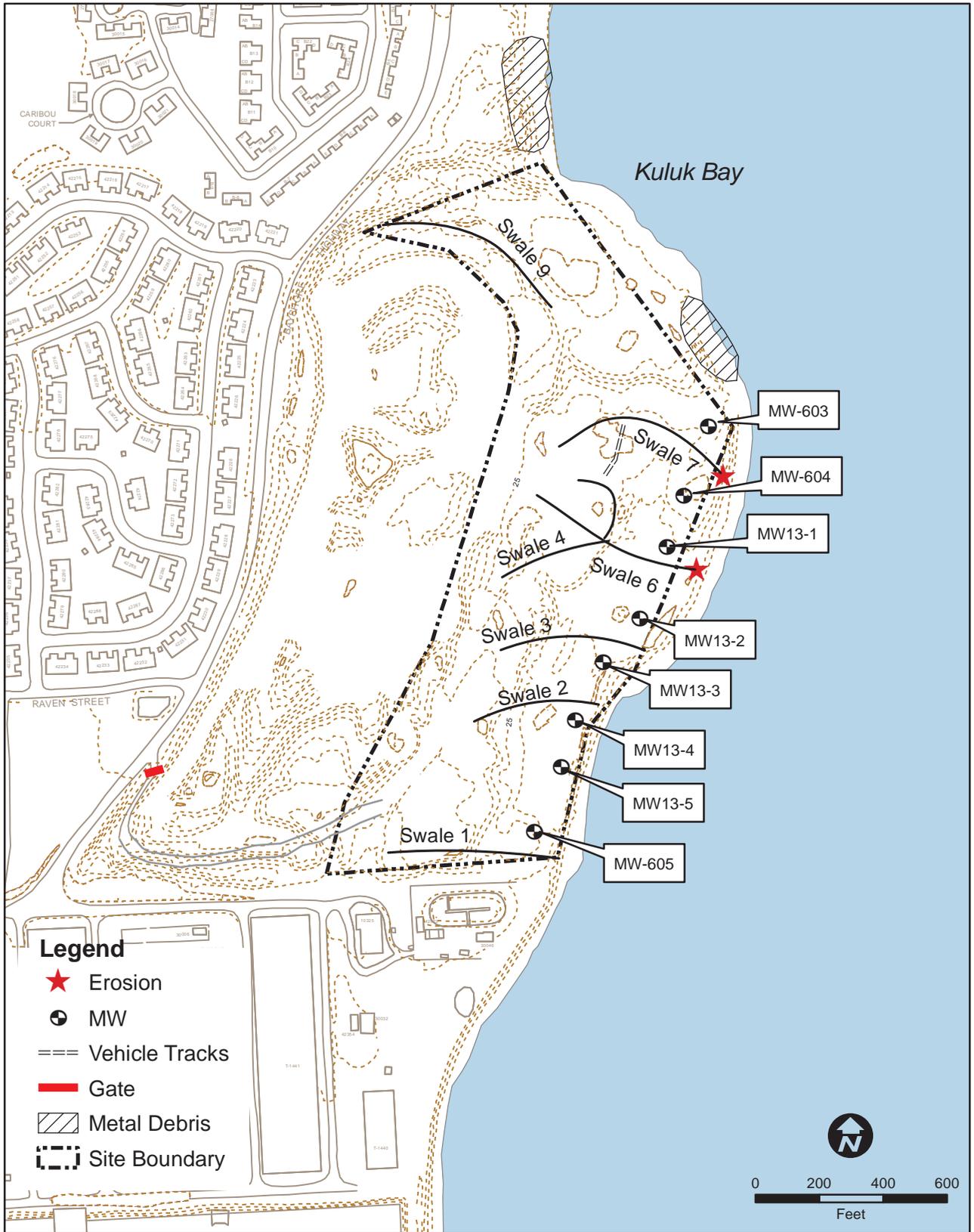


Figure 2-4
SWMU 13, Metals Landfill

Landfill Primary Inspection Checklist
Page 1 of 5

Site Name: SWMU 25, Roberts Landfill **Map Reference No.:** Figure 2-5

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-5-12 / 0930

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Partly cloudy, windy, 49° F

Landfill Cap Inspection:

1. Is water draining off the cap? **Yes** **No**

2. Is any ponding noted?..... **Yes** **No**

The pond located on the southwest portion of the landfill near the western gates which is historically observed during inspections was still present during the 2012 inspection. Due to recent rain, water in the pond was elevated.

3. Is there sheen on the surface of the cap? **Yes** **No**

4. Is erosion occurring? If yes, describe location, condition, severity, and provide square footage. Sketch location on back of form. Document photographs below..... **Yes** **No**

The four eroded areas previously observed and repaired along the western perimeter fence appear to be stable. A new area of erosion was observed in the southwestern portion of site near the end of a swale. The area is approximately 5 feet by 10 feet and along the top of a steep embankment.

5. Are there any odors? If yes, describe the odor and intensity..... **Yes** **No**

6. Is there vegetation established on the vegetated cap? (Note if revegetation has failed and bare soil is visible and document photographs below.)..... **Yes** **No**

The sparsely vegetated areas on the cap noted during previous inspections have shown increased growth. These areas now have appropriate coverage and do not appear to be affecting the integrity of the landfill cap. Recent severe weather including rain and wind was observed prior to inspection, and little if any erosion was observed during the inspection.

7. Is there discoloring of the cap material? If yes, describe appearance, location and square footage. Sketch location on back of form. Document photographs below..... **Yes** **No**

Landfill Primary Inspection Checklist

Page 2 of 5

Yes No

8. Is there manmade debris coming up through the cap? If yes, note type of debris, location, and square footage. Sketch location on back of form. Document photographs below. **X**

Wooden and metal debris associated with a collapsed building located on the NE side of landfill noted in previous inspections is still present. However, this is not located on the landfill cap.

9. Are there seeps flowing from the landfill? If yes, describe the seep (including length and width) and flow rate. Sketch location on back of form and document photographs below. **X**

During the 2010 inspection, a groundwater seep was observed on the Mitt Lake access road downgradient from the landfill and uphill from sample location RLSW05. This seep is still present. The seep was sampled in 2010 and sample results did not exceed endpoint criteria. A second seep was observed at the toe of the landfill in the Adak Fuels Facility adjacent to the northwest side of the landfill in 2011 and surface water was sampled (NL-14). The surface water exceeded endpoint criteria for copper. The seep is characterized with blue and white precipitate and was still present during the 2012 inspection. Due to recent rains, water was standing along the road side in the drainage ditch next to the seep. Surface water at this location is scheduled to be sampled again in 2013 during the next landfill sampling event.

10. Is this a new seep?..... **X**

Sign Inspection:

11. Are there any signs located at the site?**X**

12. Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.)**X**

The three asbestos signs located west, across the street of the landfill need to be replaced.

13. Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off.....**X**

Two signs on the eastern boundary and one along the southern boundary have fallen off the fence and need to be re-attached.

14. Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below **X**

15. Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map.**X**

Landfill Primary Inspection Checklist

Yes No

16. Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location.....**X**
-

Land Use Inspection:

17. Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... **X**

ATV tracks observed in 2011 southwest of the northeastern gate approximately 200 ft long paralleling the fence were not observed during the 2012 inspection. Another area with tracks of numerous ATV and larger vehicles, possibly truck, were observed on the southern portion of the site.

18. Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... **X**
-

19. Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... **X**
-

Fence and Gate Inspection:

20. Are the fence and gate in good condition? If no, describe condition below and sketch damage and location of damage on the back of form or attach map. Document photographs below... **X**

Gates are in good condition but the north gate into the Adak Fuels Facility was unlocked and open during the inspection. Upon further inspection, the lock on this gate is broken and requires repair. A total of 23 sections of fence along the western perimeter are in need of replacement or repair. A total of 17 sections of fence along the eastern perimeter are in need of replacement or repair. One section of fence along the northern perimeter and five sections along the southern perimeter are in need of replacement.

Completion of Previous Inspection Recommendations:

21. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed.....**X**

No repairs have been made to the landfill since the previous inspection, so all items noted in 2011 remain except for the vegetative cap finding (see 6).

Landfill Primary Inspection Checklist
Page 4 of 5

Photographs:

22. Use this space to document photos. Two photographs should be taken for each location where damage or erosion is noted.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
9-5-12			
0836	South	Fuels Facility	Blue seep on north side of landfill in Fuels Facility at sample location NL-14
0836	West	Fuels Facility	2011 seep sample location NL-14
0837	East	Fuels Facility	Mitt Lake access road with seep
0854	North	South side of Happy Valley Road	Seep on Mitt Lake access road identified and sampled in 2010. Not contaminated.
0901	Southeast	South side of Happy Valley Road	Mitt Lake access road with seep
0902	Southeast	South side of Happy Valley Road	Surface water pathway upstream of RLSW-05
0930	South	West side of landfill	Pond on southwest side of landfill
0938	Southeast	West side of landfill	Close up of improved vegetation growing on landfill cap, north central portion
0938	Southeast	West side of landfill	Vegetated area in north central portion of landfill shows vegetation growth improvement from 2011.
0942	North	West side of landfill	Eroded area along fence line
0943	West	West side of landfill	Another eroded area along fence line
0954	Northwest	North side of site	Open gate at the Fuels Facility
0956	Southwest	North side of site	Gate from the Fuel Facility unable to lock
1040	Southeast	Southeast side of site	Southern vegetative cap
1041	West	South end of site	Southeast swale and vegetative cap
1046	West	South end of site	Vegetation along slope above swale and culvert
1049	West	South end of site	Erosion near swale south of southwest gate
9-6-12			
1420	West	RLSW-05	View of Landfill and stream from RLSW-05
1420	Northwest	RLSW-05	View of stream path upgradient of RLSW-05
1420	Southwest	West of RLSW-05	Further upstream west of RLSW-05, view of stream pathway
1420	Southwest	West of RLSW-05	Upstream of RLSW-05, view of culvert at road
1421	Southwest	West of RLSW-05	Bog area upgradient from RLSW-05
1421	West	West of RLSW-05	West of Bog area upstream
1422	Northwest	West of RLSW-05	Rusted pipe upstream from RLSW-05
1423	East	Happy Valley Road	Northeastern most culvert on west side of Happy Valley Road draining to RLSW-05

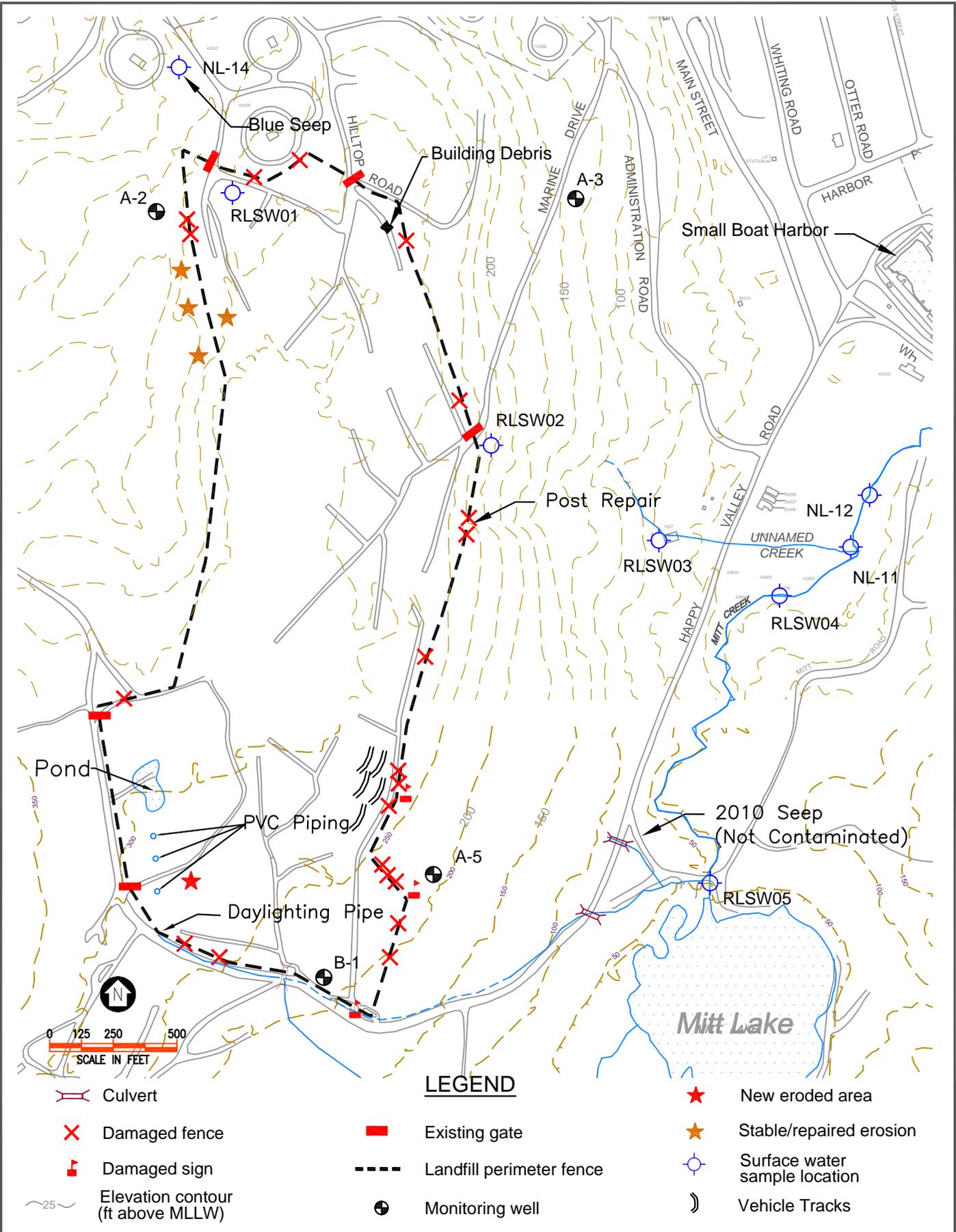
Landfill Primary Inspection Checklist

Page 5 of 5

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1425	North	Happy Valley Road	Northeastern culvert, west side of Happy Valley Road
1425	East	West of Happy Valley Road	Stream flow at northeast culvert on west side of Happy Valley Road
1425	South	West of Happy Valley Road	Northeast culvert on west side of Happy Valley Road
1426	West	West of Happy Valley Road	Bog area west of Happy Valley Road below landfill
1426	West	West of Happy Valley Road	Water in bog on landfill side of Happy Valley Road
1427	North	West of Happy Valley Road	Water in ditch on west side of Happy Valley Road between Mitt Lake and landfill
1428	East	East of Happy Valley Road	Looking from RLSW-05 toward eastern most culvert on Happy Valley Road
1429	West	West side of Happy Valley Road	Water level in roadside ditch between landfill and middle culvert in Happy Valley Road
1430	Southwest	West side of Happy Valley Road	Dry ditch on north side of Happy Valley Road south of landfill
1444	Northwest	North side of Happy Valley Road	End of culvert day lighting next to road on southwest perimeter of landfill.
1446	Northeast	Happy Valley Road	Pond on south eastern portion of landfill with view of one of the PVC pipes thought to be part of the drainage system
1450	Southeast	South side of Happy Valley Road	Ditch on north side of road adjacent to landfill perimeter with no water
1452	North	South side of Happy Valley Road	View of landfill swales leading to western culvert across Happy Valley Road
1452	Northeast	North side of Happy Valley Road	Landfill swales feeding into culvert, no surface water
1452	Northeast	North side of Happy Valley Road	View of landfill swales leading to western culvert across Happy Valley Road
1452	South	South side of Happy Valley Road	Surface water from western culvert looking south. Pathway flows south away from road ditches eventually to Mitt Lake.

Additional notes: _____

P:\SEALASKA\ADAK\TO_55\2012 IC\FIG 2-5.DWG
 PLOT/UPDATE: DEC 19, 2012



LEGEND

- Culvert
- Damaged fence
- Damaged sign
- Elevation contour (ft above MLLW)
- Existing gate
- Landfill perimeter fence
- Monitoring well
- New eroded area
- Stable/repared erosion
- Surface water sample location
- Vehicle Tracks

U.S. NAVY SEALASKA

**Figure 2-5
 SWMU 25, Roberts Landfill**

Task Order 55
 Adak Island, AK
 2012 IC
 Inspection Report

Non-Landfill Primary Inspection Checklist
Page 1 of 3

Site Name: SWMU 24, Hazardous Waste Storage Facility **Map Reference No.:** Figure 2-3

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-4-12 / 1135

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Wind, light rain/ 45° F

Sign Inspection:

- | | | Yes | No |
|----|---|--------------------------|--------------------------|
| 1. | Are there any signs located at the site? | <input type="checkbox"/> | X |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | <input type="checkbox"/> | X |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | X |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | X |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | X | <input type="checkbox"/> |

Install sign on north side of site as shown in Figure 2-4.

- | | | | |
|----|---|--------------------------|----------|
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | X |
|----|---|--------------------------|----------|

Land Use Inspection:

- | | | | |
|----|---|--------------------------|----------|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | X |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |

However, the large amount of debris on the ground surface prevented confirmation that no excavations have occurred at the site.

Non-Landfill Primary Inspection Checklist
Page 2 of 3

- Yes No**
9. Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... **X**

Installed Remedy Inspection:

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed.....**X**

The area is still being used as the community's "Recycling Center." The debris appeared to have been more segregated by material type (i.e., wood, metal, electronics, vehicles, etc.), and less debris was observed to be present in 2012 than during the 2011 inspection. TAC is currently in the process of shipping metal off island for recycling. Due to recent rain, standing water was observed throughout the site and a slight sheen was observed where drums and soil staining was observed during the 2011 inspection. See below for a description of the debris.

Photographs:

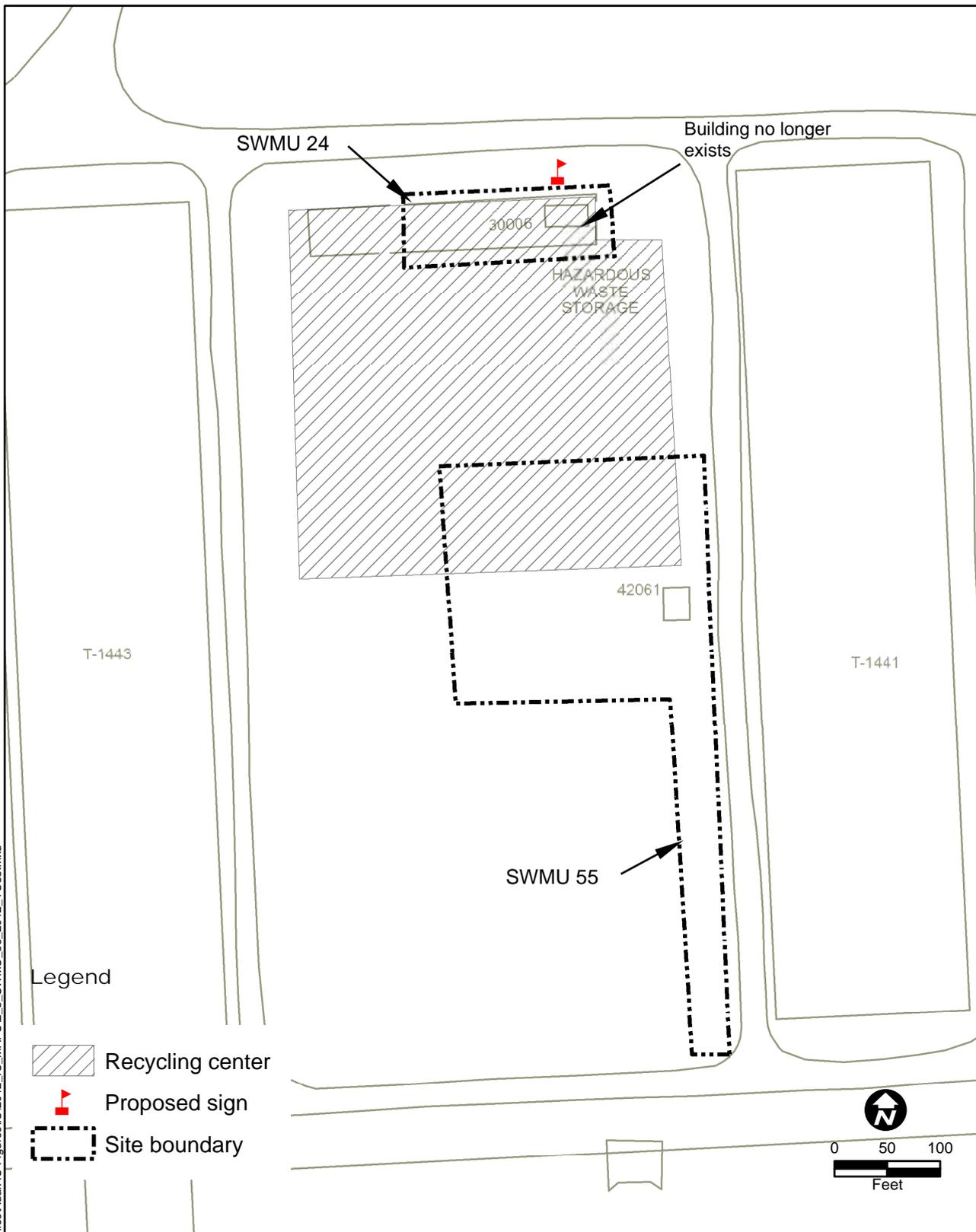
14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1135	Northwest	Access road on southeast side of site	Site with debris. Former location of 2011 vehicles storage area.
1136	Northwest	Access road on east side of site	Site and debris
1138	West	Access road on east side of site	Site and debris with equipment staged
1140	Southwest	From Public Works Road	Site debris and discarded heavy equipment
1140	Southwest	From Public Works Road	Site and debris

Non-Landfill Primary Inspection Checklist
Page 3 of 3

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1143	South	From Public Works Road	Debris and shipping containers on north end of site
1143	South	From Public Works Road	North end of site and equipment and debris
1145	Southeast	Access road on west side of site	Paint can with spilled paint; abandoned vehicles and building debris
1147	East	Access road on west side of site	Drums stored onsite
1314	South	Metals landfill	Overview of site
1315	South	Metals landfill	Overview of site
1330	North	Center of site	Electrical equipment debris stored onsite
1332	West	Center of site	Piled 55-gallon drums stored onsite
1332	Northeast	Center of site	Rusted 5-gallon paint cans and containers in poly bins
1333	Northwest	Center of site	Piled debris onsite

Additional notes: Area is still being used as the community’s “Recycling Center.” Large amounts of the materials and debris observed in 2011 have since been removed. All but a few of the dilapidated vehicles staged in this area have been removed. However, quantities of materials still remain onsite and include but are not limited to: wood, metal, and building debris; equipment and vehicle parts; various-sized tanks and shipping containers; several crushed and whole 55-gallon drums; containers of various sizes with unknown liquids; and paint wastes. The metal shed located on SWMU 24 and adjacent to SWMU 55 observed in 2011 which contained a large quantity of containers was no longer present during the 2012 inspection. The pink connex box containing 5-gallon containers and underlying stained soil still remains at the site. There is no restricted access or soil barrier at the site.



Date: 11/16/2012
 Path: S:\ARCGIS\Adak GIS Files\Adak IC Figures\IC\2012_IC_MAPS\2_3_SWMU_55_2012_TO55.mxd

<p>U.S. NAVY</p>	<p>SEALASKA</p>	<p align="center">Figure 2-3 SWMU 55, Public Works Transportation Department Waste Storage Area and SWMU 24, Hazardous Waste Storage Facility B-34</p>	<p align="center">Task Order 55 Adak Island, AK 2012 IC Inspection Report</p>
-------------------------	------------------------	---	--

Non-Landfill Primary Inspection Checklist

Page 1 of 2

Site Name: SA 77, Small Drum Storage Area Map Reference No.:

Inspectors: S. Elkind; B. Kercher Date/Time: 9-4-12 / 0835

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy, windy / 50° F

Sign Inspection:

- | | Yes | No |
|--|-------------------------------------|-------------------------------------|
| 1. Are there any signs located at the site? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | |
| 2. Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | |
| 3. Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 4. Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 5. Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 6. Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |

Land Use Inspection:

- | | | |
|--|--------------------------|-------------------------------------|
| 7. Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 8. Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 9. Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection:

Yes No

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
0833	Northeast	Fence line	SA 77 Small Drum Storage Area and sign

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: Amulet Housing, Well AMW-706 Area **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-5-11 / 1505

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy, windy / 50° F

Sign Inspection:

- | | | Yes | No |
|-------|---|-------------------------------------|-------------------------------------|
| 1. | Are there any signs located at the site? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Land Use Inspection:

- | | | | |
|-------|---|--------------------------|-------------------------------------|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 9. | Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection:

Yes No

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1508	East	Access road	Amulet Housing Area, sign and South Sweeper Creek

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: Amulet Housing, Well AMW-709 Area **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-5-12 / 1510

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy, windy / 50° F

Sign Inspection:

- | | | Yes | No |
|-------|---|-------------------------------------|-------------------------------------|
| 1. | Are there any signs located at the site? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |

Land Use Inspection:

- | | | | |
|-------|---|--------------------------|-------------------------------------|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 9. | Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection:

Yes No

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1512	East	Access road	Amulet Housing Area and sign

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: Former Power Plant, Bldg. T-1451 **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-4-12 / 0905

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: cloudy, windy / 49° F

Sign Inspection:

- | | | Yes | No |
|---|---|--------------------------|--------------------------|
| 1. | Are there any signs located at the site? | X | <input type="checkbox"/> |
| <u>The Navy recently installed an excavation restriction sign at the area near East Canal where remedial actions were performed in July 2012.</u> | | | |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | X | <input type="checkbox"/> |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | X |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | X |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | X |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | X |

Land Use Inspection:

- | | | | |
|----|---|--------------------------|---|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | X |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |

The Navy conducted offsite remedial actions in July 2013 at the East Canal shoreline west of the property boundary. Actions included limited soil removal, replacement with amended clean fill, and installation of monitoring wells.

Non-Landfill Primary Inspection Checklist
Page 2 of 2

- Yes No**
9. Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... **X**
-

Installed Remedy Inspection:

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)... **X**

A subterranean treatment trench with amended soil was installed by the Navy in July 2012 upgradient from East Canal but offsite and west of the property boundary.

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

The treatment trench is not visible, but a newly installed excavation restriction sign is now located here.

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA
-

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**
-

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
0906	East	Street	Offsite excavated area near East Canal with newly installed monitoring wells
0907	East	Street	Offsite excavated area near East Canal with newly installed monitoring wells
0911	Southwest	Street	Former Power Plant building with equipment storage

Additional notes: The site is used for vehicle storage and maintenance. The vehicle yard observed to be in the same condition as observed in 2011 with no batteries or containers on the ground.

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: ROICC Contractors Area (USTs ROICC-7 & ROICC-8) **Map Reference No.:** _____

Inspectors: A. Franzen; B. Poole **Date/Time:** 9-2-11 / 1115

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Overcast / 51° F

Sign Inspection:

- | | | Yes | No |
|-------|---|-------------------------------------|-------------------------------------|
| 1. | Are there any signs located at the site? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Land Use Inspection:

- | | | | |
|-------|---|--------------------------|-------------------------------------|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 9. | Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection:

Yes No

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1559	West	Access road	ROICC Contractors Area and sign

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: Runway 5-23 Avgas Valve Pit **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-5-12 / 1705

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy, windy / 52° F

Sign Inspection:

- | | | Yes | No |
|-------|---|-------------------------------------|-------------------------------------|
| 1. | Are there any signs located at the site? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Land Use Inspection:

- | | | | |
|-------|---|--------------------------|-------------------------------------|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 9. | Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection: Yes No

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1704	North	Access road	Runway 5-23 Avgas Valve Pit area and sign
1705	North	Access road	Flooding on site

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: SA 79, Main Road Pipeline **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-6-12 / 0922

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Overcast / 53° F

Sign Inspection:

- | | | Yes | No |
|-------|---|-------------------------------------|-------------------------------------|
| 1. | Are there any signs located at the site? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Land Use Inspection:

- | | | | |
|-------|---|--------------------------|-------------------------------------|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 9. | Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection:

Yes No

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
0922	South	North of Sweeper Creek	Looking across Sweeper Creek at site and Sweeper Cove

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: SWMU 60, Tank Farm A **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-5-12 / 1445

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy, windy / 50° F

Sign Inspection:

- | | Yes | No |
|--|-------------------------------------|-------------------------------------|
| 1. Are there any signs located at the site? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | |
| 2. Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | |
| 3. Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 4. Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 5. Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 6. Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Land Use Inspection:

- | | | |
|--|--------------------------|-------------------------------------|
| 7. Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 8. Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 9. Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection:

Yes No

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1450	West	Road	Former fueling platform

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: SWMU 61, Tank Farm B **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9/6/12 / 0855

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Partly cloudy, wind / 47° F

Sign Inspection:

- | | | Yes | No |
|-------|---|-------------------------------------|-------------------------------------|
| 1. | Are there any signs located at the site? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Land Use Inspection:

- | | | | |
|-------|---|--------------------------|-------------------------------------|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 9. | Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection:

Yes No

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
0857	Northeast	Access road	Sign and site
0904	Northeast	End of access road	Sampling teams along North Sweeper Creek east of the site
0905	Southwest	End of access road	Former Tank Farm location

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: Housing Area (Arctic Acres) **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-4-12 / 1610

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy, windy / 51° F

Sign Inspection:

- | | Yes | No |
|--|-------------------------------------|-------------------------------------|
| 1. Are there any signs located at the site? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | |
| 2. Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | |
| 3. Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 4. Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 5. Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 6. Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Land Use Inspection:

- | | | |
|--|---|---|
| 7. Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | □ | X |
| <hr/> | | |
| 8. Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | □ | X |
| <hr/> | | |
| 9. Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | □ | X |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Yes No

Installed Remedy Inspection:

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1622	Northwest	Street	Site and sign on east side of site
1628	North	Street	Sign on west side of site

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: GCI Compound, UST GCI-1 **Map Reference No.:** _____

Inspectors: S. Elkind, B. Kercher **Date/Time:** 9-5-12 / 1530

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy, windy / 50°

Sign Inspection:

- | | | Yes | No |
|-------|---|--------------------------|--------------------------|
| 1. | Are there any signs located at the site? | X | <input type="checkbox"/> |
| <hr/> | | | |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | X | <input type="checkbox"/> |
| <hr/> | | | |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | X |
| <hr/> | | | |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | X |
| <hr/> | | | |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | X |

Land Use Inspection:

- | | | | |
|-------|---|--------------------------|---|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 9. | Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection: Yes No

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1534	Northwest	Main Road	GCI Compound Area and sign

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: NMCB Building T-1416 Expanded Area **Map Reference No.:** Figure 2-6

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-4-12 / 0845

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Light rain, cloudy, windy / 49° F

Sign Inspection:

- | | | Yes | No |
|-------|---|-------------------------------------|-------------------------------------|
| 1. | Are there any signs located at the site? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Land Use Inspection:

- | | | | |
|-------|---|--------------------------|-------------------------------------|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 9. | Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Non-Landfill Primary Inspection Checklist

Installed Remedy Inspection:

Yes No

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**

Poor housekeeping activities persist at the site. Poly-containers of waste oil, stained soil, gasoline tank, a car battery, and debris remain at the site that were observed in 2010.

Photographs:

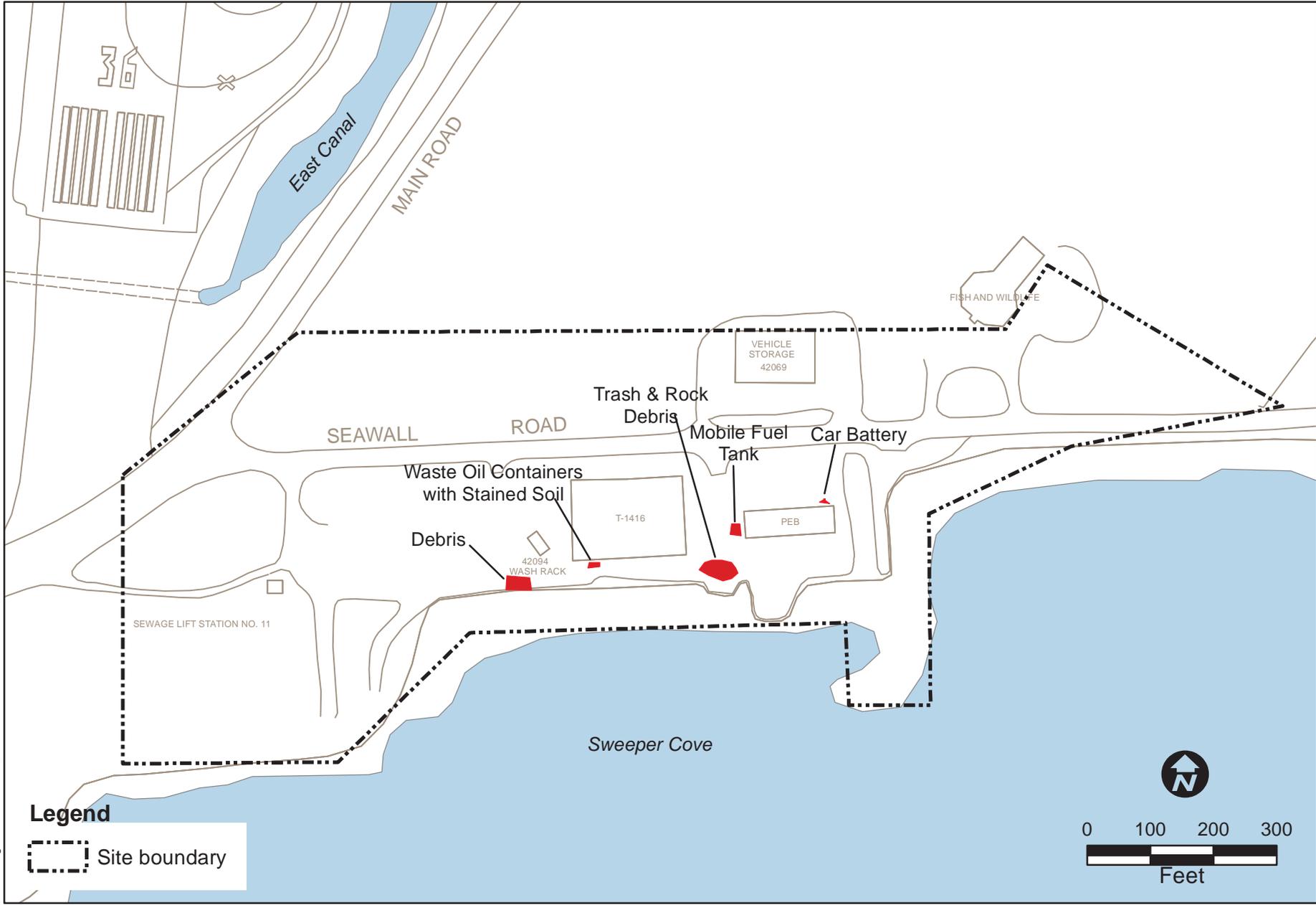
14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
0846	East	West of buildings	Poly drums of waste oil next to west building
0849	Southwest	North side of buildings	Monitoring well 02-453 with drums in background.
0852	Southeast	North side of buildings	East building with mobile gasoline storage tank
0858	Southwest	Access road	Site and sign

Additional notes: On the south side of the west building the poly-containers of waste oil noted during previous inspections still remain. On the south-west side of the west building, empty 55-gallon drums and debris were observed near monitoring well 02-453. On the west side of the east building the gas tank on wheels remains in the same place. One car battery remains on the ground on the northeast corner of the east building. These wastes could be impacting site soils and underlying groundwater.

B-59

DEC 19, 2012
Path: F:\Adak GIS Files\Adak IC Figures\IC2012_IC_IMAPS2_6_NMCB_2012_TO55.mxd



U.S. NAVY

SEALASKA

Figure 2-6
NMCB Expanded Area

Task Order 55
Adak Island, AK
2012 IC Inspection Report

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: NORPAC Hill Seep Area **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-4-12 / 1600

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy, windy / 51°

Sign Inspection:

- | | Yes | No |
|--|-------------------------------------|-------------------------------------|
| 1. Are there any signs located at the site? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | |
| 2. Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | |
| 3. Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 4. Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 5. Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 6. Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Land Use Inspection:

- | | | |
|--|--------------------------|-------------------------------------|
| 7. Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 8. Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 9. Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection:

Yes No

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1607	West	Roadway	NORPAC Hill Seep Area and sign

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: SA 80, Steam Plant 4 **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-5-12 / 1545

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy, windy / 50° F

Sign Inspection:

- | | | Yes | No |
|-------|---|-------------------------------------|-------------------------------------|
| 1. | Are there any signs located at the site? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Land Use Inspection:

- | | | | |
|-------|---|--------------------------|-------------------------------------|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 9. | Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection:

Yes No

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1545	South	Road	SA 80, Steam Plant No. 4 and sign

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: SWMU 62, New Housing Fuel Leak **Map Reference No.:** Figure 2-7

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-4-12 / 1047

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Rain, wind / 47° F

Sign Inspection:

- | | | Yes | No |
|----|---|--------------------------|--------------------------|
| 1. | Are there any signs located at the site? | X | <input type="checkbox"/> |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | X | <input type="checkbox"/> |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | X |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | X |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | X |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | X |

Land Use Inspection:

- | | | | |
|----|---|--------------------------|--------------------------|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | X |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | X | <input type="checkbox"/> |

Excavated area approximately 7 feet by 7 feet was observed in the front lawn of condo 140 D. This is located offsite adjacent of the east edge of the site boundary.

Non-Landfill Primary Inspection Checklist
Page 2 of 2

- Yes No**
9. Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... **X**
-

Installed Remedy Inspection:

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free product recovery trench, passive free product skimmers, etc)..... **X**

The free product recovery trench at East Canal is in the Eagle Bay Housing Area.

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below..... **X**
-

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below..... **X**
-

Completion of Previous Inspection Recommendations:

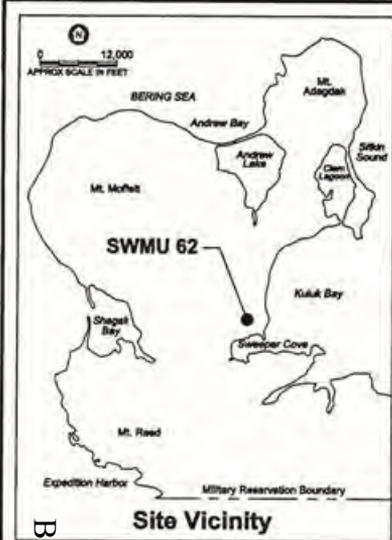
13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**
-

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1101	West	Street	Sandy Cove unit 140D excavation in front yard
1107	Southwest	Main Road	Residential area and sign

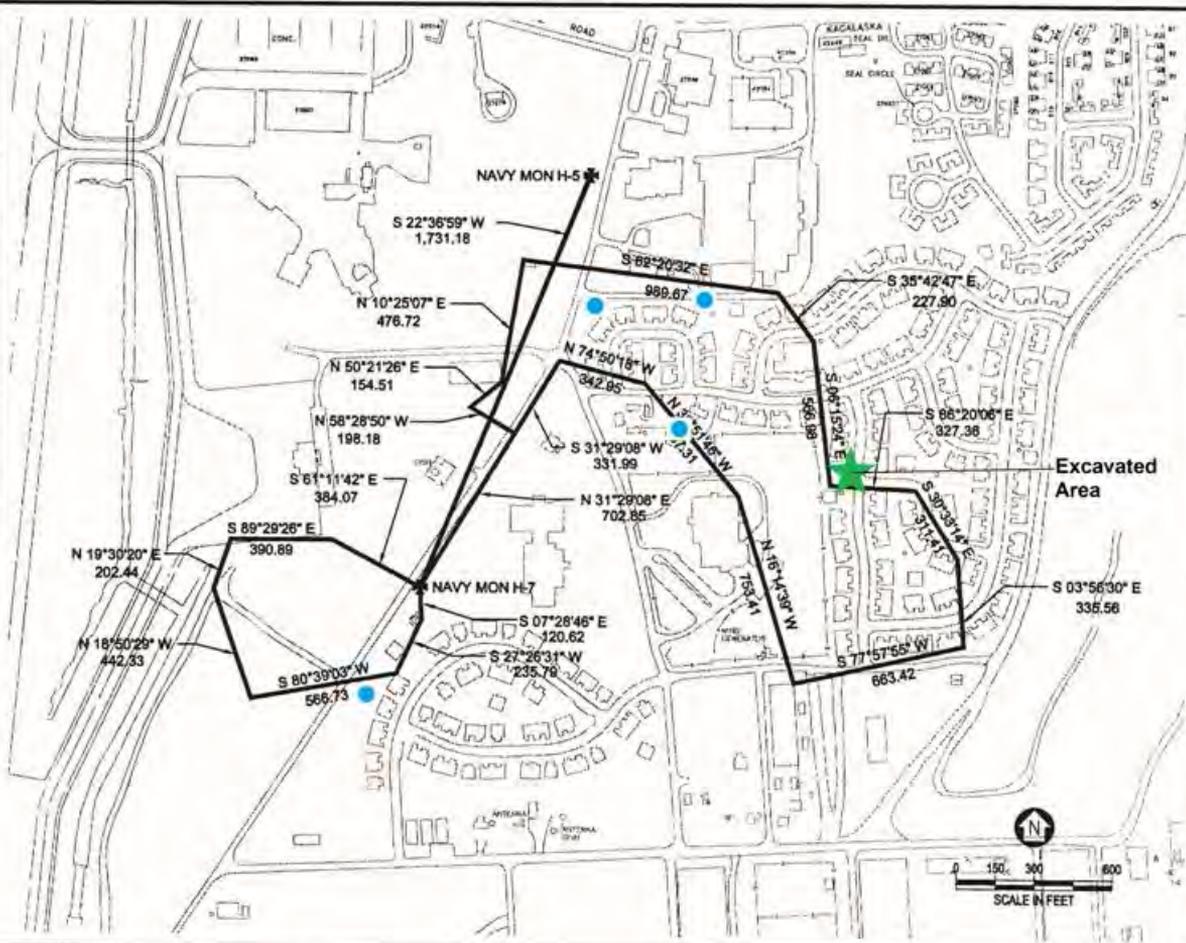
Additional notes: Three old fuel recovery systems located in Sandy Cove were identified during the 2011 inspection and are presented on Figure 2-7. These system were scheduled for removal in October 2012.



B-66

Legend

● Old fuel recovery systems



Scale as Shown

Figure 2-7
SWMU 62, New Housing Fuel Leak

Task Order 55
Adak Island, AK
2012 IC Inspection Report

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: South of Runway 18/36 Area **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-4-12 / 0835

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy, windy / 50° F

Sign Inspection:

- | | | Yes | No |
|-------|---|-------------------------------------|-------------------------------------|
| 1. | Are there any signs located at the site? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Land Use Inspection:

- | | | | |
|-------|---|--------------------------|-------------------------------------|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 9. | Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection:

Yes No

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc).....

There is a free product recovery trench along South Sweeper Creek but it is no longer in use.

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed.....

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
0839	Northeast	Main Road	South of Runway 18/36 recovery trench sumps and sign

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: Tanker Shed UST 42494 **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-5-12 / 1540

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy, windy / 50° F

Sign Inspection:

- | | | Yes | No |
|-------|---|--------------------------|--------------------------|
| 1. | Are there any signs located at the site? | X | <input type="checkbox"/> |
| <hr/> | | | |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | X | <input type="checkbox"/> |
| <hr/> | | | |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | X |
| <hr/> | | | |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | X |
| <hr/> | | | |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | X |

Land Use Inspection:

- | | | | |
|-------|---|--------------------------|---|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 9. | Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection: Yes No

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed.....**X**

The small remediation system (yellow poly tank) observed last year is still present but was scheduled for removal in November 2012.

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1539	Southwest	Access road	Tanker shed area with small yellow remediation poly tank

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: Yakutat Hangar, UST 2039-A **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-5-12 / 1655

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy, windy / 52° F

Sign Inspection:

- | | | Yes | No |
|-------|---|--------------------------|--------------------------|
| 1. | Are there any signs located at the site? | X | <input type="checkbox"/> |
| <hr/> | | | |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | X | <input type="checkbox"/> |
| <hr/> | | | |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | X |
| <hr/> | | | |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | X |
| <hr/> | | | |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | X |

Land Use Inspection:

- | | | | |
|-------|---|--------------------------|---|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 9. | Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection:

Yes No

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1656	South	Access road	Yakutat Hangar site and sign

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: SWMU 20, White Alice/Trout Creek Disposal Area **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-5-12 / 1200

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Partly cloudy, windy / 48° F

Sign Inspection:

- | | | Yes | No |
|-------|---|--------------------------|--------------------------|
| 1. | Are there any signs located at the site? | X | <input type="checkbox"/> |
| <hr/> | | | |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | X | <input type="checkbox"/> |
| <hr/> | | | |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | X |
| <hr/> | | | |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | X |
| <hr/> | | | |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | X |

Land Use Inspection:

- | | | | |
|-------|---|--------------------------|---|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 9. | Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection: Yes No

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... X

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... X

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1203	North	North boundary	Cliff edge looking down on Trout Creek
1205	Northwest	North boundary	Cliff edge looking down at debris in hillside

Additional notes: Cliff edge remains stable with no evidence of erosion.

Non-Landfill Primary Inspection Checklist

Page 1 of 2

Site Name: SWMU 21A, White Alice Upper Quarry Map Reference No.: _____

Inspectors: S. Elkind; B. Kercher Date/Time: 9-5-12 / 1155

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Partly cloudy, windy / 48° F

Sign Inspection:

- | | | Yes | No |
|-------|---|--------------------------|--------------------------|
| 1. | Are there any signs located at the site? | X | <input type="checkbox"/> |
| <hr/> | | | |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | X | <input type="checkbox"/> |
| <hr/> | | | |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | X |
| <hr/> | | | |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | X |
| <hr/> | | | |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | X |

Land Use Inspection:

- | | | | |
|-------|---|--------------------------|---|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 9. | Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection: Yes No

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1156	West	Access road	SWMU 21 quarry
1158	South	Access road	SWMU 21 quarry

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: SWMU 23, Heart Lake Drum Disposal Area **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-5-12 / 1110

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Partly cloudy, windy/ 50° F

Sign Inspection:

- | | | Yes | No |
|-------|---|--------------------------|--------------------------|
| 1. | Are there any signs located at the site? | X | <input type="checkbox"/> |
| <hr/> | | | |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | X | <input type="checkbox"/> |
| <hr/> | | | |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | X |
| <hr/> | | | |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | X |
| <hr/> | | | |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | X |

Land Use Inspection:

- | | | | |
|-------|---|--------------------------|---|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 9. | Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection: **Yes No**

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1112	West	Access road	Heart Lake Drum Disposal Area

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: SWMUs 52, 53, 59 Former LORAN Station **Map Reference No.:** _____

Inspectors: S. Elkind; B. Poole **Date/Time:** 9-6-12 / 1000

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Partly cloudy / 50° F

Sign Inspection:

- | | | Yes | No |
|-------|---|-------------------------------------|-------------------------------------|
| 1. | Are there any signs located at the site? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Land Use Inspection:

- | | | | |
|-------|---|--------------------------|-------------------------------------|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 9. | Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection:

Yes No

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1012	North	Access road	LORAN Station site and sign from road
1023	East	Site	LORAN Station building
1024	Northeast	Site	LORAN Station building

Additional notes: Road to the site is blocked by an avalanche. Access is by foot or off-road vehicles only.

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: SWMU 67, White Alice PCB Spill Site **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-5-12 / 1125

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Partly cloudy, windy / 49° F

Sign Inspection:

- | | | Yes | No |
|-------|---|--------------------------|--------------------------|
| 1. | Are there any signs located at the site? | X | <input type="checkbox"/> |
| <hr/> | | | |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | X | <input type="checkbox"/> |
| <hr/> | | | |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | X |
| <hr/> | | | |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | X |
| <hr/> | | | |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | X |

Land Use Inspection:

- | | | | |
|-------|---|--------------------------|---|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 9. | Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection: **Yes No**

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1133	West	Top of SWMU 67	New cell tower at SWMU 67
1135	Southwest	Top of SWMU 67	SWMU 67 site overview

Additional notes: A new cell tower has been installed onsite, but there is no evidence of excavation.

Landfill Primary Inspection Checklist

Page 1 of 3

Site Name: SWMU 2, Causeway Landfill Map Reference No.: _____

Inspectors: S. Elkind; B. Kercher Date/Time: 9-3-12 / 0905

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Rain, wind / 55° F

Landfill Cap Inspection:

- | | | Yes | No |
|---|--|-------------------------------------|-------------------------------------|
| 1. | Is water draining off the cap? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. | Is any ponding noted?..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. | Is there a sheen on the surface of the cap? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. | Is erosion occurring? If yes, describe location, condition, severity, and provide square footage. Sketch location on back of form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. | Are there any odors? If yes, describe the odor and intensity | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6. | Is there vegetation established on the vegetated cap? (Note if revegetation has failed and bare soil is visible and document photographs below.)..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7. | Is there discoloring of the cap material? If yes, describe appearance, location and square footage. Sketch location on back of form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8. | Is there manmade debris coming up through the cap? If yes, note type of debris, location, and square footage. Sketch location on back of form. Document photographs below. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <u>Small amounts of debris noted during the past inspection events remain. The landfill is heavily overgrown, and debris does not appear to be affecting the integrity of the landfill cap.</u> | | | |
| 9. | Are there seeps flowing from the landfill? If yes, describe the seep (including length and width) and flow rate. Sketch location on back of form and document photographs below. . | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 10. | Is this a new seep?..... | NA <input type="checkbox"/> | <input type="checkbox"/> |

Landfill Primary Inspection Checklist

Page 2 of 3

Sign Inspection:

Yes No

11. Are there any signs located at the site?X
-
12. Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.)X
-
13. Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... X
-
14. Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below X
-
15. Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. X
-
16. Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location..... X
-

Land Use Inspection:

17. Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... X
-
18. Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... X
-
19. Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... X
-

Fence and Gate Inspection:

Are the fence and gate in good condition? If no, describe condition below and sketch damage and location of damage on the back of form or attach map. Document photographs below...

Not applicable. Site is not fenced.

Landfill Primary Inspection Checklist

Page 3 of 3

Completion of Previous Inspection Recommendations:

Yes No

20. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**
-

Photographs:

21. Use this space to document photos. Two photographs should be taken for each location where damage or erosion is noted.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
0907	Northeast	Access road	Sign with landfill in background

Additional notes: _____

Landfill Primary Inspection Checklist
Page 1 of 3

Site Name: SWMU 4, South Davis Road Landfill **Map Reference No.:** Figure 3-1

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-3-12 / 1110

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Rain, wind / 51° F

Landfill Cap Inspection:

- | | Yes | No |
|---|-------------------------------------|---|
| 1. Is water draining off the cap?
<u>In the swales</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Is any ponding noted?..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Is there a sheen on the surface of the cap? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Is erosion occurring? If yes, describe location, condition, severity, and provide square footage. Sketch location on back of form. Document photographs below..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <u>As observed in 2011, erosion was observed along the last four feet of the northern swale where it enters the beach. The swale liner was thought to be exposed in 2011, but with a closer look this year, the liner appears to be a silt fence. This may have been placed in the swale to prevent erosion. The eroded area is approximately 5 feet in diameter.</u> | | |
| 5. Are there any odors? If yes, describe the odor and intensity..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6. Is there vegetation established on the vegetated cap? (Note if revegetation has failed and bare soil is visible and document photographs below.)..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7. Is there discoloring of the cap material? If yes, describe appearance, location and square footage. Sketch location on back of form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8. Is there manmade debris coming up through the cap? If yes, note type of debris, location, and square footage. Sketch location on back of form. Document photographs below. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9. Are there seeps flowing from the landfill? If yes, describe the seep (including length and width) and flow rate. Sketch location on back of form and document photographs below .. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 10. Is this a new seep?..... | NA | <input type="checkbox"/> <input type="checkbox"/> |

Landfill Primary Inspection Checklist
Page 2 of 3

Sign Inspection:

Yes No

11. Are there any signs located at the site?X
-
12. Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.)X
-
13. Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... X
-
14. Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below X
-
15. Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. X
-
16. Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location..... X
-

Land Use Inspection:

17. Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... X
-
18. Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... X
-
19. Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... X
-

Fence and Gate Inspection:

20. Are the fence and gate in good condition? If no, describe condition below and sketch damage and location of damage on the back of form or attach map. Document photographs below... ..NA

Site is not fenced.

Landfill Primary Inspection Checklist
Page 3 of 3

Completion of Previous Inspection Recommendations: **Yes No**

21. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed.....X

The eroded area at the end of the northern swale is still in need of repair. _____

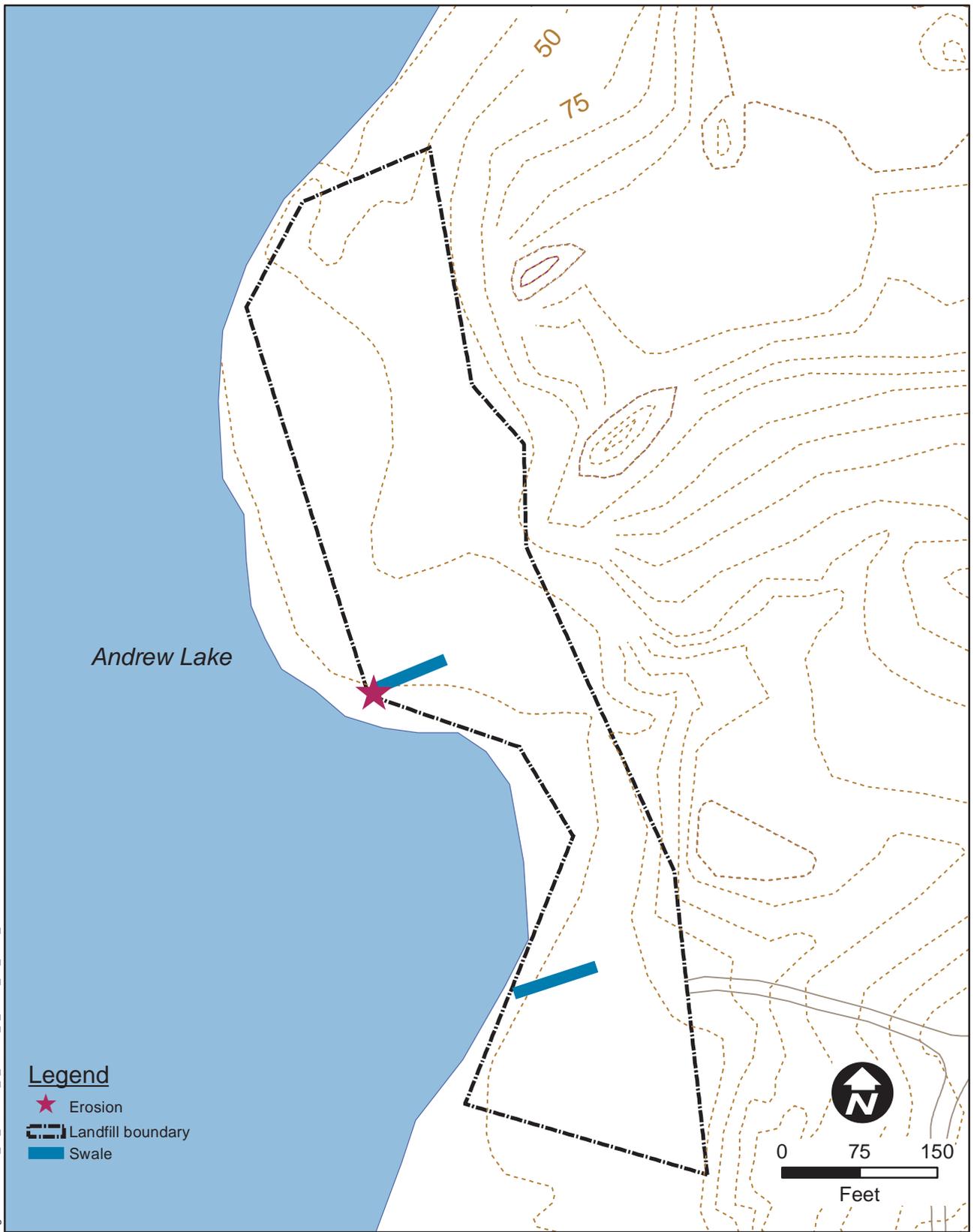
Photographs:

22. Use this space to document photos. Two photographs should be taken for each location where damage or erosion is noted.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1114	East	North shoreline	West end of northern swale with silt fence and eroded area
1115	East	North shoreline	West end of northern swale with silt fence and eroded area
1116	East	North shoreline	West end of northern swale with silt fence and eroded area
1130	Northwest	Access road	Site and sign
1130	North	Access road	Northern portion of landfill
1135	Northwest	Access road	Southern portion of landfill and sign

Additional notes: _____

Date: 12/18/2012
F:\Adak GIS Files\Adak IC Figures\IC2012_IC_MAPS\3_1_SWMU_4_Davis_LF_2012_TO55.mxd



U.S. NAVY SEALASKA

**Figure 3-1
SWMU 4, South Davis Road Landfill**

B-89

Task Order 55
Adak Island, AK
2012 IC
Inspection Report

Landfill Primary Inspection Checklist
Page 1 of 3

Site Name: SWMU 11, Palisades Landfill **Map Reference No.:** Figure 3-2

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-3-12 / 1315

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Overcast, light wind / 52° F

Landfill Cap Inspection:

1. Is water draining off the cap? **Yes** **No**

2. Is any ponding noted?..... **X**

The pond, with metal debris located in the ravine on the north-central portion of landfill, noted during previous inspections was observed during the 2012 inspection. The pond was much larger with elevated water levels. The pond was approximately 40 feet across at its widest and filled the ravine approximately half way. Water was observed flowing into the previously noted sinkhole at the southern end of the pond. Although, it could not be visually confirmed, it is presumed the water was flowing underground and exiting further down the ravine.

3. Is there sheen on the surface of the cap? **X**

4. Is erosion occurring? If yes, describe location, condition, severity, and provide square footage. Sketch location on back of form. Document photographs below..... **X**

The sinkhole located near the stream in the ravine which was repaired in 2010 has returned, and there is exposed metal. The sinkhole was approximately 10 feet in diameter with an unknown depth.

5. Are there any odors? If yes, describe the odor and intensity..... **X**

6. Is there vegetation established on the vegetated cap? (Note if revegetation has failed and bare soil is visible and document photographs below.)..... **X**

7. Is there discoloring of the cap material? If yes, describe appearance, location and square footage. Sketch location on back of form. Document photographs below..... **X**

8. Is there manmade debris coming up through the cap? If yes, note type of debris, location, and square footage. Sketch location on back of form. Document photographs below. **X**

Large pieces of metal debris are exposed in the sinkhole. Metal debris is also protruding along the water's edge on the west side of the pond.

9. Are there seeps flowing from the landfill? If yes, describe the seep (including length and width) and flow rate. Sketch location on back of form and document photographs below. . **X**

Landfill Primary Inspection Checklist

Page 2 of 3

Sign Inspection:

- | | | Yes | No |
|-------|---|--------------------------|---|
| 10. | Is this a new seep? | NA | <input type="checkbox"/> <input type="checkbox"/> |
| <hr/> | | | |
| 11. | Are there any signs located at the site? | X | <input type="checkbox"/> |
| <hr/> | | | |
| 12. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | X | <input type="checkbox"/> |
| <hr/> | | | |
| 13. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 14. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | X |
| <hr/> | | | |
| 15. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | X |
| <hr/> | | | |
| 16. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location..... | X | <input type="checkbox"/> |

As in 2011, the northwest sign was observed to be blown over and the northeast sign was observed to be leaning over.

Land Use Inspection:

- | | | | |
|-------|---|--------------------------|---|
| 17. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 18. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 19. | Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |

Landfill Primary Inspection Checklist

Fence and Gate Inspection:Yes No

20. Are the fence and gate in good condition? If no, describe condition below and sketch damage and location of damage on the back of form or attach map. Document photographs below.....NA

Site is not fenced. _____

Completion of Previous Inspection Recommendations:

21. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed.....X

Signs still need repair, and sinkhole needs additional repair. _____

Photographs:

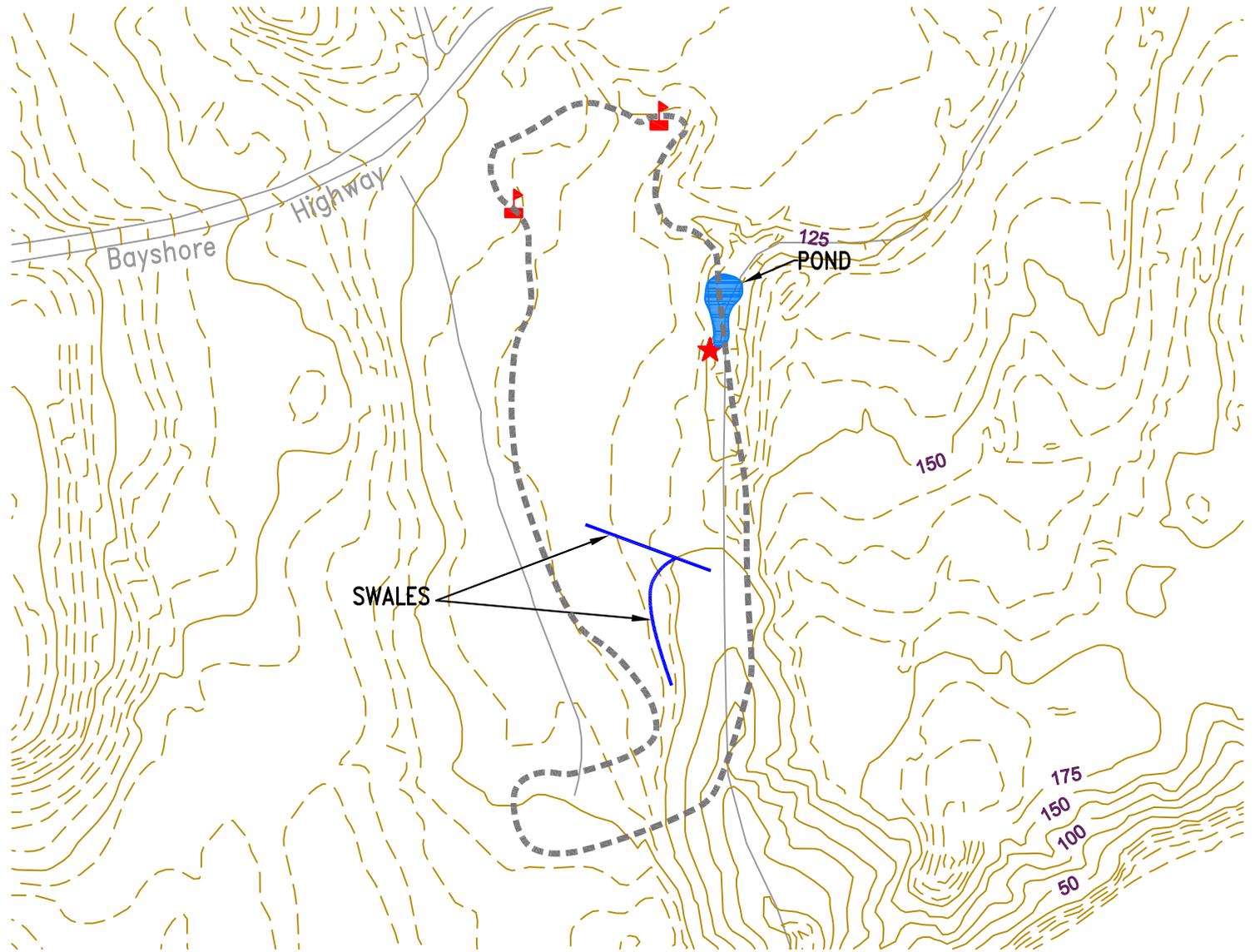
22. Use this space to document photos. Two photographs should be taken for each location where damage or erosion is noted.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1316	South	Bayshore Highway	Sign and landfill overview
1322	North	Southeast of site	Southern portion of landfill
1324	West	Middle swale	Drainage swale looking at middle section of landfill cap and pond in distance
1332	West	South of pond	Elevated water levels in pond. Water flowing into sinkhole on left
1332	West	South of pond	Pond with debris along water's edge
1348	North	Sinkhole near stream	Sinkhole with water flowing through it from pond
1349	North	Sinkhole near stream	Sinkhole with water flowing through it from pond
1350	Southwest	Sinkhole near stream	View of water from pond flowing into the sinkhole

Additional notes: _____

LEGEND

-  156 Elevation contour (ft Above MLLW)
-  Landfill boundary
-  Metal debris in sinkhole
-  Road
-  Sign location



B-93

U.S.NAVY SEALASKA

**Figure 3-2
SWMU 11, Palisades Landfill**

Task Order 55
Adak Island, AK
2012 IC
INSPECTION REPORT

Landfill Primary Inspection Checklist
Page 1 of 3

Site Name: SWMUs 18/19 White Alice Landfill **Map Reference No.:** Figure 3-3

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-5-12 / 1225

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy, windy / 52° F

Landfill Cap Inspection:

1. Is water draining off the cap? **Yes** **No**

2. Is any ponding noted? **Yes** **No**

Ponding observed outside and adjacent to the northern landfill perimeter fence during previous inspections was still present during the 2012 inspection.

3. Is there sheen on the surface of the cap? **Yes** **No**

4. Is erosion occurring? If yes, describe location, condition, severity, and provide square footage. Sketch location on back of form. Document photographs below..... **Yes** **No**

The eroded area approximately 100 x 30 x 100 foot triangle outside the landfill on the southwest on the cliff is still present and is in the same condition as observed during previous inspections. The repaired and re-seeded eroded area on southern boundary at the top of the swale appears to be stable, but revegetation efforts have not been successful. The rock in the swales has slid downhill in places exposing the liner beneath. An area of erosion 40 feet x 90 feet is located near the entrance gate on the southeast perimeter of the landfill. This area is not thought to be on the landfill cap.

5. Are there any odors? If yes, describe the odor and intensity **Yes** **No**

6. Is there vegetation established on the vegetated cap? (Note if revegetation has failed and bare soil is visible and document photographs below.)..... **Yes** **No**

Vegetative cover across the landfill is mostly good with a few exceptions. A non-vegetated area observed previously on the northern portion of the landfill was not present during the 2012 inspection. A second 50 x 100 feet area near the old building foundation on the south inside the fence was observed previously and is still present.

7. Is there discoloring of the cap material? If yes, describe appearance, location and square footage. Sketch location on back of form. Document photographs below..... **Yes** **No**

8. Is there manmade debris coming up through the cap? If yes, note type of debris, location, and square footage. Sketch location on back of form. Document photographs below. **Yes** **No**

Landfill Primary Inspection Checklist

Page 2 of 3

- | | | Yes | No |
|-------|--|--------------------------|--------------------------|
| 9. | Are there seeps flowing from the landfill? If yes, describe the seep (including length and width) and flow rate. Sketch location on back of form and document photographs below. . | <input type="checkbox"/> | X |
| <hr/> | | | |
| 10. | Is this a new seep?.....NA | <input type="checkbox"/> | <input type="checkbox"/> |

Sign Inspection:

- | | | | |
|---|---|--------------------------|--------------------------|
| 11. | Are there any signs located at the site? | X | <input type="checkbox"/> |
| <hr/> | | | |
| 12. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | X | <input type="checkbox"/> |
| <u>The sign by the gate is partial obscured by vegetation that should be moved.</u> | | | |
| 13. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 14. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | X |
| <hr/> | | | |
| 15. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | X |
| <hr/> | | | |
| 16. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location..... | X | <input type="checkbox"/> |
| <u>A sign just north of the gate needs to be reattached to the fence.</u> | | | |

Land Use Inspection:

- | | | | |
|-------|---|--------------------------|----------|
| 17. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 18. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 19. | Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |

Landfill Primary Inspection Checklist

Fence and Gate Inspection:

Yes No

20. Are the fence and gate in good condition? If no, describe condition below and sketch damage and location of damage on the back of form or attach map. Document photographs below..... **X**

Gate is in good condition. A total of 17 sections of fencing are in need of repair around the perimeter.

Completion of Previous Inspection Recommendations:

21. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**

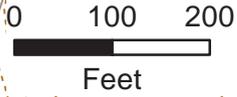
The ponding on the northern perimeter of the landfill has not been re-routed. The non-vegetated area on the northern portion of the landfill has been re-seeded and is filling is with vegetation. The non-vegetated area near the building foundation on the south has not been re-vegetated.

Photographs:

22. Use this space to document photos. Two photographs should be taken for each location where damage or erosion is noted.

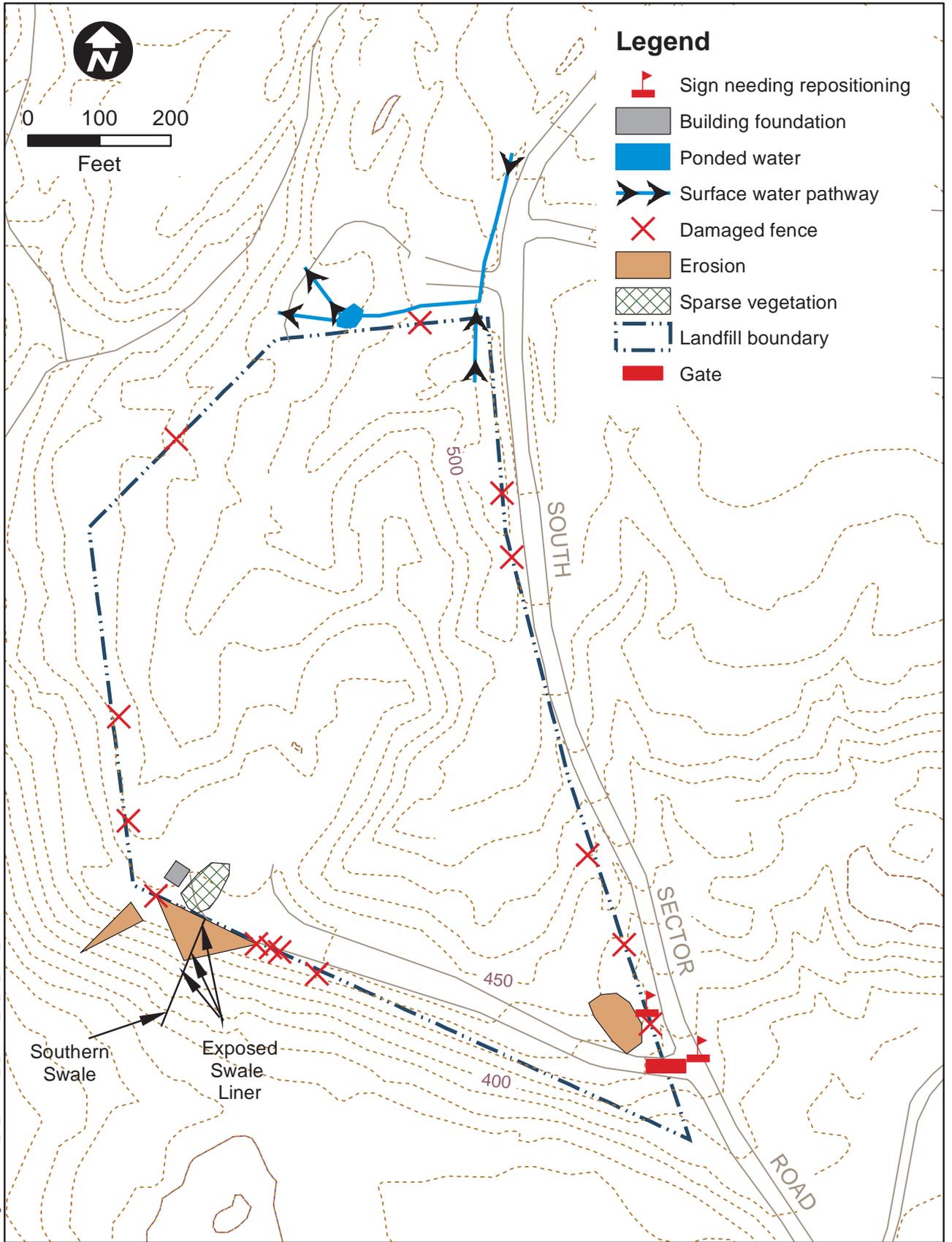
Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1237	North	River south of the landfill	Southern swale and reseeded area
1238	West	Southern swale	Triangular eroded area outside of landfill to the southwest
1241	North	South of landfill boundary	Top of southern swale with exposed liner and reseeded area
1241	South	South of landfill boundary	Top of southern swale with exposed liner looking down to river
1243	North	South portion	Overview of site looking north from southern perimeter
1244	East	South portion	Southeastern portion of landfill. Top of southern swale with exposed liner in foreground.
1250	Southwest	Northeast perimeter of landfill	Overview of northern portion of landfill cap
1256	Southeast	Southeast perimeter	Eroded area on southeast corner of landfill next to gate. Area is not on the landfill cap.
1304	Northwest	Southeast side of landfill	Entrance gate and sign

Additional notes: The swale on the southern boundary has several areas of exposed liner where the gravel has slid off. It is recommended that these areas be re-rocked and some type of flow dissipater be installed within the channel at several locations.



Legend

- Sign needing repositioning
- Building foundation
- Ponded water
- Surface water pathway
- Damaged fence
- Erosion
- Sparse vegetation
- Landfill boundary
- Gate



DEC 19, 2012
 F:\Adak GIS Files\Adak IC Figures\IC\2012 IC_MAPS\3_3_SWMU_18_19_2012_TO55.mxd

U.S. NAVY

SEALASKA

Figure 3-3
SWMU 18/19, White Alice Landfill
 B-97

Task Order 55
 Adak Island, AK
 2012 IC
 Inspection Report

Landfill Primary Inspection Checklist

Page 1 of 4

Site Name: SWMU 29, Finger Bay Landfill **Map Reference No.:** Figure 3-4

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-4-12 / 1320

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Partly cloudy, windy / 51° F

Landfill Cap Inspection:

1. Is water draining off the cap? **Yes** **No**

2. Is any ponding noted?..... **Yes** **No**

Much of the area is marshy with thick tundra. Due to recent rains, saturated ground, ponding, and overland surface water flow were observed across the site. The water levels in the ponds noted in 2012 were elevated compared to the 2011 inspection. Surface water was observed on the north, east, and south sides of the site in the marshy areas flowing down from the higher elevation to the east. The pond observed on the east side of site high point in 2011 was observed to be approximately 5 feet by 20 feet in size. The pond observed in 2010 and 2011 containing wood and metal debris which is located in the central section of the landfill was estimated to be approximately 30 feet in diameter in 2012.

3. Is there sheen on the surface of the cap? **Yes**

4. Is erosion occurring? If yes, describe location, condition, severity, and provide square footage. Sketch location on back of form. Document photographs below..... **Yes**

5. Are there any odors? If yes, describe the odor and intensity..... **Yes**

6. Is there vegetation established on the vegetated cap? (Note if revegetation has failed and bare soil is visible and document photographs below.)..... **Yes** **No**

7. Is there discoloring of the cap material? If yes, describe appearance, location and square footage. Sketch location on back of form. Document photographs below..... **Yes**

8. Is there manmade debris coming up through the cap? If yes, note type of debris, location, and square footage. Sketch location on back of form. Document photographs below. **Yes** **No**

The metal and wood debris observed in the pond in the central portion of the landfill in 2011 were mostly submerged during the 2012 inspection. Small quantities of debris were noted on the surface of the landfill east of the high point.

Landfill Primary Inspection Checklist

Yes No

9. Are there seeps flowing from the landfill? If yes, describe the seep (including length and width) and flow rate. Sketch location on back of form and document photographs below .. **X**

The location of the previously observed seep was saturated with small amounts of standing water caused by recent heavy rains. This area was re-graded, filled with gravel, seeded, and fertilized in 2010. Repairs are in good condition and thick vegetation has been established here. No evidence of a flowing seep or iron staining as noted in 2011 was observed in 2012.

10. Is this a new seep?..... **X**

Sign Inspection:

11. Are there any signs located at the site? **X**

12. Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) **X**

13. Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... **X**

14. Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below **X**

15. Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. **X**

16. Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location..... **X**

Land Use Inspection:

17. Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... **X**

18. Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... **X**

Landfill Primary Inspection Checklist

- Yes No**
19. Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... **X**

Fence and Gate Inspection:

20. Are the fence and gate in good condition? If no, describe condition below and sketch damage and location of damage on the back of form or attach map. Document photographs below... NA

There is no fence at the site.

Completion of Previous Inspection Recommendations:

21. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**

Photographs:

22. Use this space to document photos. Two photographs should be taken for each location where damage or erosion is noted.

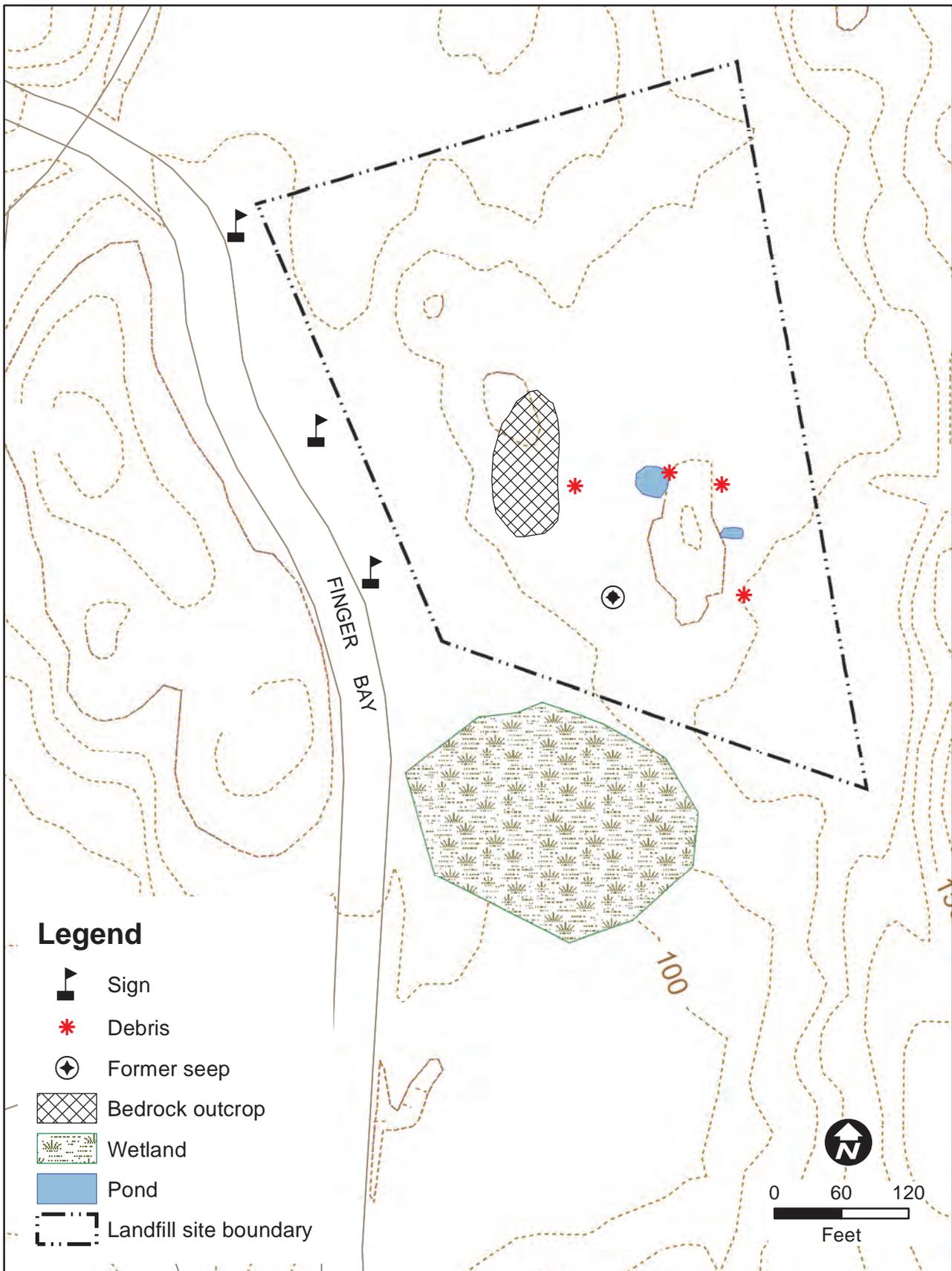
Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1320	Northwest	South side of landfill	Saturated area at former seep location on the south side of the landfill
1321	West	South side of landfill	Surface water at former seep location on the south side of the landfill
1322	West	South side of landfill	View southwest from high point on landfill looking west toward rocky outcrop. Re-vegetated area at former seep located on left.
1323	Northeast	Center of landfill	Pond in central portion of landfill with debris northeast of high point
1323	East	Center of landfill	Close up of debris in central pond
1326	East	West pond	Marshy area on northeast side of site looking toward ridge to east of site
1326	Northwest	West pond	Marshy area and surface water on north portion of site
1328	West	East side of high point	Ponded area east of high point
1329	Southeast	East pond	Southeast portion of site looking toward ridge east of site
1330	Northeast	East pond	Northeast portion of site in foreground with ridge east of site in background
1300	Northwest	High point	Bedrock and site overview
1331	West	High point	Bedrock and site overview showing wood and metal debris

Landfill Primary Inspection Checklist

Page 4 of 4

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1334	Northwest	Southeast of site	Site overview of high point and rock outcrops
1336	East	South of site	Surface water flowing down from east ridge in background and metal debris in foreground
1342	East	Finger Bay Road	Site overview and signs

Additional notes: _____



Legend

-  Sign
-  Debris
-  Former seep
-  Bedrock outcrop
-  Wetland
-  Pond
-  Landfill site boundary

U.S. NAVY

SEALASKA

Figure 3-4
SWMU 29, Finger Bay Landfill
B-102

Task Order 55
Adak Island, AK
2012 IC
Inspection Report

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: Antenna Field USTs ANT-1 to ANT-4 **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-3-12 / 1103

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Rain, wind / 50° F

Sign Inspection:

- | | | Yes | No |
|-------|---|-------------------------------------|-------------------------------------|
| 1. | Are there any signs located at the site? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Land Use Inspection:

- | | | | |
|-------|---|--------------------------|-------------------------------------|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 9. | Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection: Yes No

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1131	East	Access trail	Site area with wells
1131	East	Access trail	Site area with wells
1311	North	Access road	Sign and access road

Additional notes: The site is only accessible on foot or by off-road vehicles.

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: Boy Scout Camp, Westhaven Lake, UST BS-1 **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-3-12 / 1450

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Partly cloudy, windy / 56° F

Sign Inspection:

- | | Yes | No |
|--|------------|-----------|
| 1. Are there any signs located at the site? | X | |
| <hr/> | | |
| 2. Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | X | |
| <hr/> | | |
| 3. Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | | X |
| <hr/> | | |
| 4. Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | | X |
| <hr/> | | |
| 5. Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | | X |
| <hr/> | | |
| 6. Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | | X |
| <hr/> | | |

Land Use Inspection:

- | | | |
|--|--|----------|
| 7. Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | | X |
| <hr/> | | |
| 8. Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | | X |
| <hr/> | | |
| 9. Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | | X |
| <hr/> | | |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection: **Yes No**

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1455	West	Road	Northern sign
1502	North	Road	Southern sign and site in background

Additional notes: The site is only accessible by foot or by off-road vehicles or during very dry conditions.

Non-Landfill Primary Inspection Checklist

Page 1 of 2

Site Name: Finger Bay Quonset Hut (UST FBQH-1) **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-4-12 / 1400

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Partly cloudy, windy / 50° F

Sign Inspection:

- | | | Yes | No |
|---|---|-----|----|
| 1. | Are there any signs located at the site? | X | |
| <hr/> | | | |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | X | |
| <hr/> | | | |
| The sign has bullet holes in it, but it is still legible. | | | |
| <hr/> | | | |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | | X |
| <hr/> | | | |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | | X |
| <hr/> | | | |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | | X |
| <hr/> | | | |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | | X |

Land Use Inspection:

- | | | | |
|-------|---|--|---|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | | X |
| <hr/> | | | |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | | X |
| <hr/> | | | |
| 9. | Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | | X |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection:

Yes No

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1400	West	Finger Bay Road	Site sign

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: MAUW Compound (UST-24000-A) **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-5-12 / 1605

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy, windy / 51° F

Sign Inspection:

- | | | Yes | No |
|-------|---|--------------------------|--------------------------|
| 1. | Are there any signs located at the site? | X | <input type="checkbox"/> |
| <hr/> | | | |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | X | <input type="checkbox"/> |
| <hr/> | | | |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | X |
| <hr/> | | | |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | X |
| <hr/> | | | |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | X |

Land Use Inspection:

- | | | | |
|-------|---|--------------------------|---|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 9. | Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection: Yes No

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1606	Southeast	Road	Sign and buildings

Additional notes: The vehicles and debris observed at the site during previous inspections have all been removed.

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: Mount Moffet Power Plant No. 5, USTs 10574 to 10577 **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-3-12 / 1412

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Rain, wind / 53° F

Sign Inspection:

- | | | Yes | No |
|-------|---|--------------------------|--------------------------|
| 1. | Are there any signs located at the site? | X | <input type="checkbox"/> |
| <hr/> | | | |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | X | <input type="checkbox"/> |
| <hr/> | | | |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | X |
| <hr/> | | | |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | X |
| <hr/> | | | |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | X |

Land Use Inspection:

- | | | | |
|-------|---|--------------------------|---|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |
| <hr/> | | | |
| 9. | Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | X |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection:

Yes No

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)..... **X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1412	West	Road	Sign and site

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: SWMU 58 / SA 73, Heating Plant 6 **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-3-12 / 0935

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Rain, wind / 55° F

Sign Inspection:

- | | Yes | No |
|--|-------------------------------------|-------------------------------------|
| 1. Are there any signs located at the site?
<u>Three signs are posted.</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6. Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Land Use Inspection:

- | | | |
|--|--------------------------|-------------------------------------|
| 7. Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8. Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Non-Landfill Primary Inspection Checklist

- Yes No**
9. Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... **X**
-

Installed Remedy Inspection:

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)... **X**
-

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA
-

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA
-

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**
-

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
0940	Southeast	Access road	Sign and monitoring wells

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: SA 78, Old Transportation Building **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-3-12 / 0915

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Rainy, windy / 55° F

Sign Inspection:

- | | Yes | No |
|--|-------------------------------------|-------------------------------------|
| 1. Are there any signs located at the site? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <u>There are four signs onsite.</u> | | |
| 2. Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | |
| 3. Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 4. Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 5. Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 6. Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Land Use Inspection:

- | | | |
|--|--------------------------|-------------------------------------|
| 7. Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | |
| 8. Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Non-Landfill Primary Inspection Checklist

Page 2 of 2

- Yes No**
9. Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... **X**
-

Installed Remedy Inspection:

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)... **X**
-

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA
-

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA
-

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**
-

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
0917	West	Road along shore	Sign
0924	North	Southeast border	Site, sign, and well

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: SA 82, P-80/P-81 Buildings **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher **Date/Time:** 9-3/12 / 0945

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Rain, wind / 55° F

Sign Inspection:

- | | | Yes | No |
|-------|---|-------------------------------------|-------------------------------------|
| 1. | Are there any signs located at the site? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 2. | Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | | |
| 3. | Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 4. | Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 5. | Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 6. | Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |

Land Use Inspection:

- | | | | |
|-------|---|--------------------------|-------------------------------------|
| 7. | Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |
| 8. | Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <hr/> | | | |

Non-Landfill Primary Inspection Checklist
Page 2 of 2

- Yes No**
9. Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... **X**
-

Installed Remedy Inspection:

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc)... **X**
-

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA
-

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA
-

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... **X**
-

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
0946	North	Access road	SA 82, P-80/P-81 Buildings and sign

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: SA 88, P-70 Energy Generator _____ **Map Reference No.:** _____

Inspectors: S. Elkind; B. Kercher _____ **Date/Time:** 9-3-12 / 0930 _____

Company: SEALASKA ENVIRONMENTAL SERVICES _____

Weather/Temperature: Rain, wind / 55° F _____

Sign Inspection:

1. Are there any signs located at the site? **X** **No**

Three signs onsite

2. Are the signs legible? If no, describe locations where signs should be replaced. (Signs should be readable at a distance of at least 100 feet in clear weather.) **X** **No**

3. Is there evidence that signs have been removed? If yes, note location where there is supposed to be a sign below. Note whether sign and post removed, sign only removed, post broken off..... **X**

4. Is there damage to substrate that could threaten the sign orientation due to wind, seismic conditions, or soil removal caused by human or animal digging? Document photographs below **X**

5. Should additional signs be installed? If yes, provide locations where there should be a sign. Sketch locations on the back of form or attach map. **X**

Two signs have been installed at the site since the 2009 inspection.

6. Is sign damage observed? Sketch damage and location of damage on the back of form. Use a separate form for each damaged location. Document photographs below..... **X**

Land Use Inspection:

7. Is there any evidence of change of land use to residential land use? If yes, explain and document photographs below..... **X**

8. Is there any surface evidence of excavation? If yes, explain where excavation has occurred and for what purpose. Was there a notification submitted? Also provide a sketch of location on the back of the form. Document photographs below..... **X**

9. Is there any evidence of well drilling for domestic purposes? If yes, explain where well drilling has occurred and provide a sketch of location on the back of the form. Document photographs below..... **X**

Non-Landfill Primary Inspection Checklist
Page 2 of 2

Installed Remedy Inspection:

Yes No

10. Is there a remedy installed at the site? If yes, provide a description of the type of remedy (i.e. free-product recovery trench, passive free-product skimmers, etc).....**X**

11. Is there any evidence of tampering of the remedy installed at the site? If yes, explain and document photographs below.....NA

12. Is there any evidence of weather-related damage to the remedy installed at the site? If yes, explain and document photographs below.....NA

Completion of Previous Inspection Recommendations:

13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed.....**X**

There were two new signs installed, and one sign post repaired since the 2009 inspection. Damaged monitoring well casing noted the last inspection report has been removed.

Photographs:

14. Document photographs below. Two photographs should be taken per location damaged. Use back of form for additional photographs.

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
0930	West	Access road	SA 88 site and signs

Additional notes: _____

Parcel 4 (Navy Retained Lands) Inspection Checklist
Page 1 of 2

Yes No

Is video at the airport operating as intended?

X

The Adak UXO DVD is playing at the airport as intended (observed on 9-4-12).

Does USF&W have sufficient supply of hiking trail maps?

X

There are sufficient hiking trail maps available as of 9-6-12. Sealaska received copies of the hiking trail map distribution list from the U.S. Fish & Wildlife Service.

Fence, Gate, and Signage Inspection:

X

- Are the fences, gates, and signs along the southern and eastern boundaries in good condition? If no, describe condition below and sketch damage and location of damage on the back of form or attach map. Document photographs below.

The inspection was conducted on 9-4-12.

SWMU 1, Andrew Lake Waste Ordnance Demolition Range: The gate at the southeast entrance was inspected and observed to be closed and locked with the appropriate signs. The fencing on either side of the gate (2 sections) needs to be repaired.

At the time of the 2011 inspection, a newly installed UXO sign was observed at the southern-most tip of Lake Jean. This sign was missing during the 2012 inspection. The signs on either side of the road at the west entrance were observed during the 2012 inspection. Signs on both sides of the road at the south and west entrances appeared to be in good condition.

SA 93, WWII Mortar Impact Area: The gate at the northeast entrance was inspected and observed to be locked and in good condition. The sign is missing and should be replaced. During the 2012 inspection, six sections of fencing along the north fence line and two sections along the east fence line needed to be repaired. Nine signs along the eastern fence line need to be replaced because they are not legible. The fence and gate at the Lake Andrew Recreation Center appeared to be in good condition during the time of inspection. As observed during the previous inspection, the sign on the fence behind the Recreation Center was lying on the ground and should be re-attached. However, there is no restricted access sign on the gate near the Andrew Lake Recreation Center (see Figure 3-5).

SWMU 1, Andrew Lake Waste Ordnance Demolition Range Photos:

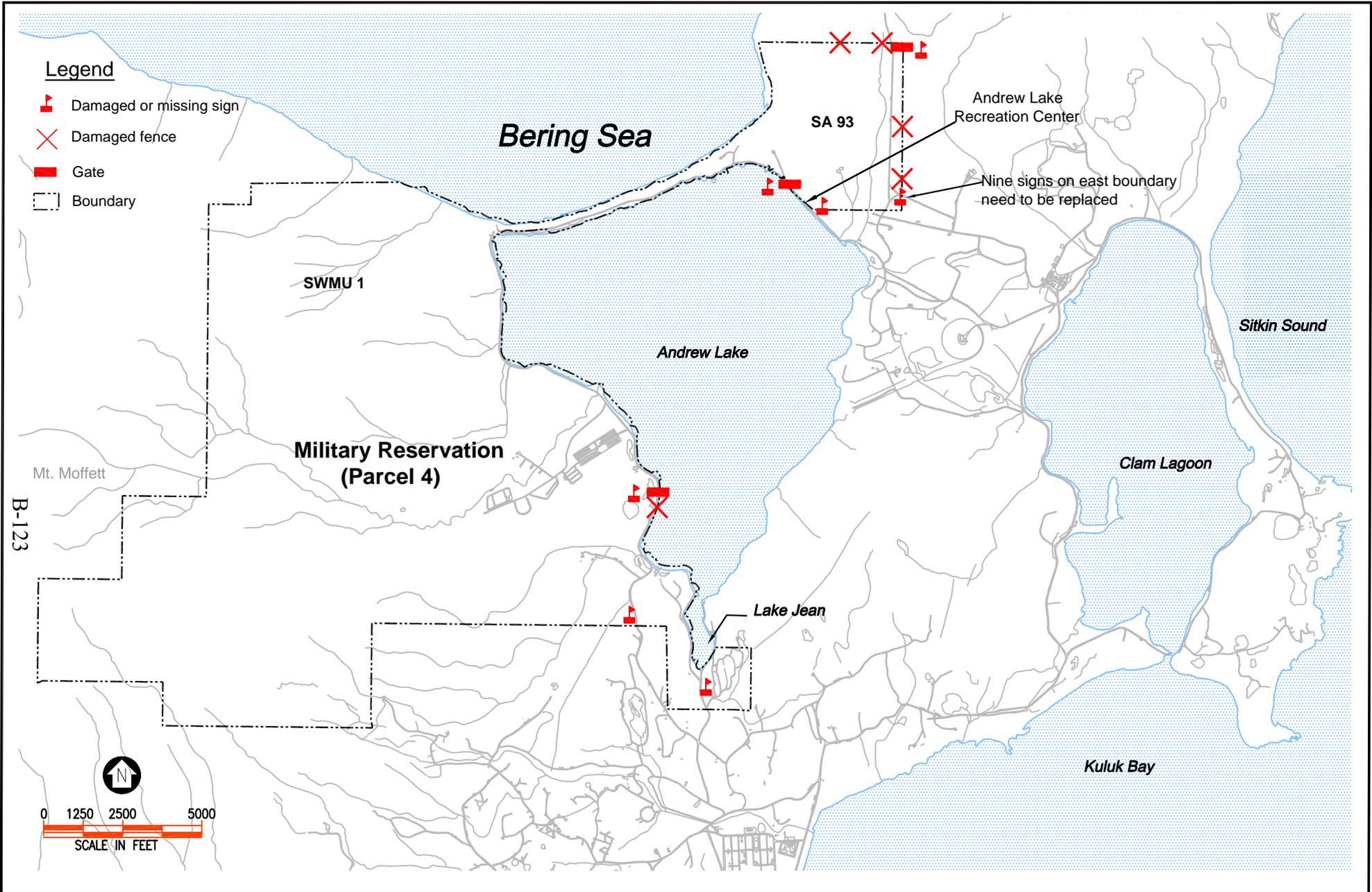
Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1435	North	Access road	Missing UXO sign by Lake Jean
1435	West	Access road	Missing UXO sign by Lake Jean
1446	North	Access road	Northeast gate at SWMU 1

Parcel 4 (Navy Retained Lands) Inspection Checklist

Page 2 of 2

SA 93, WWII Mortar Impact Area Photos (9/03/12):

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1006	West	North border	Northern fence line
1015	Northeast	Northeast corner	Northeast fence and gate
1020	West	East border	Eastern perimeter fence along road showing deep vegetation
1022	West	East border	Faded sign on eastern perimeter fence
1027	West	East border	Faded sign on eastern perimeter fence
1056	Northwest	Andrew Lake Recreation Center	Southern fence line with broken sign



Institutional Control Education Evaluation
Page 3 of 3

Name: Brooke Evan
Address: Adak
Telephone: _____
E-mail address: _____
Date: 9/7/12

1. Please check the following that apply:

- Adak Resident (go to 2)
 - I have lived here for over 1 year.
 - I have lived here for over 6 months, less than 1 year.
 - I have lived here 3-6 months.
 - I have lived here less than 3 months.
- Adak visitor (go to 4C)
Length of visit _____ Reason for visit _____

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.			
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.			
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).			
I am aware that land use restrictions apply to some areas on Adak.			
I am aware that digging in some areas on Adak requires Navy approval.			
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.			
I am aware of the Navy outreach Adak web site and the toll-free telephone number.			
I am aware that maps detailing the land use restrictions and ordnance awareness are available.			
I know that there are some areas I can't dig at all on Adak.			
I know that I can't use groundwater in the downtown area.			

B. Teachers		
Is the ordnance awareness DVD being shown and when?		
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.		
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.		
C. School Age Children		
I have seen the ordnance awareness video with Boomer the Otter at my school.		X
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).		X
I know not to go under, around, or over fences and gates.	X	Man told her
D. Visitors		
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.		
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.		
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.		
E. Subsistence Fisher		
Do you routinely eat blue mussels? If so, how many times per week?		
Do you routinely eat rock sole? If so, how many times per week?		
Do you routinely eat other fish? If so what fish?		

5. How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. **Do you have access to the Internet?**

- Yes No

7. **Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?**

Institutional Control Education Evaluation
Page 3 of 3

Name: Alicia Bennett
 Address: Adak, AK P.O. Box 1871
 Telephone: 907-542-2119
 E-mail address: _____
 Date: _____

1. Please check the following that apply:

- Adak Resident (go to 2)**
 - I have lived here for over 1 year.
 - I have lived here for over 6 months, less than 1 year.
 - I have lived here 3-6 months.
 - I have lived here less than 3 months.
 - Adak visitor (go to 4C)**
- Length of visit _____ Reason for visit _____

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.			
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.			
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).			
I am aware that land use restrictions apply to some areas on Adak.			
I am aware that digging in some areas on Adak requires Navy approval.			
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.			
I am aware of the Navy outreach Adak web site and the toll-free telephone number.			
I am aware that maps detailing the land use restrictions and ordnance awareness are available.			
I know that there are some areas I can't dig at all on Adak.			
I know that I can't use groundwater in the downtown area.			

B. Teachers			
Is the ordnance awareness DVD being shown and when?			
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.			
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.			
C. School Age Children			
I have seen the ordnance awareness video with Boomer the Otter at my school.	✓		
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).	✓		
I know not to go under, around, or over fences and gates.	✓		
D. Visitors			
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.			
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.			
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.			
E. Subsistence Fisher			
Do you routinely eat blue mussels? If so, how many times per week?			
Do you routinely eat rock sole? If so, how many times per week?			
Do you routinely eat other fish? If so what fish?			

5. How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. Do you have access to the Internet?

- Yes No

7. Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?

Institutional Control Education Evaluation
Page 3 of 3

Name: Brian
 Address: _____
 Telephone: 677-2010
 E-mail address: _____
 Date: 09/04/2012

1. Please check the following that apply:

- Adak Resident (go to 2)**
- I have lived here for over 1 year.
- I have lived here for over 6 months, less than 1 year.
- I have lived here 3-6 months.
- I have lived here less than 3 months.
- Adak visitor (go to 4C)**
 Length of visit _____ Reason for visit _____

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.			
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.			
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).			
I am aware that land use restrictions apply to some areas on Adak.			
I am aware that digging in some areas on Adak requires Navy approval.			
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.			
I am aware of the Navy outreach Adak web site and the toll-free telephone number.			
I am aware that maps detailing the land use restrictions and ordnance awareness are available.			
I know that there are some areas I can't dig at all on Adak.			
I know that I can't use groundwater in the downtown area.			

B. Teachers			
Is the ordnance awareness DVD being shown and when?			
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.			
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.			
C. School Age Children			
I have seen the ordnance awareness video with Boomer the Otter at my school.	No		
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).		Yes	
I know not to go under, around, or over fences and gates.		Yes	
D. Visitors			
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.			
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.			
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.			
E. Subsistence Fisher			
Do you routinely eat blue mussels? If so, how many times per week?			
Do you routinely eat rock sole? If so, how many times per week?			
Do you routinely eat other fish? If so what fish?			

5. How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. **Do you have access to the Internet?**

- Yes No

7. **Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?**

Student

Institutional Control Education Evaluation
Page 3 of 3

Name: Agie Bennett
Address: _____
Telephone: _____
E-mail address: _____
Date: _____

1. Please check the following that apply:

- Adak Resident (go to 2)
- I have lived here for over 1 year.
- I have lived here for over 6 months, less than 1 year.
- I have lived here 3-6 months.
- I have lived here less than 3 months.
- Adak visitor (go to 4C)
Length of visit _____ Reason for visit _____

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.			
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.			
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).			
I am aware that land use restrictions apply to some areas on Adak.			
I am aware that digging in some areas on Adak requires Navy approval.			
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.			
I am aware of the Navy outreach Adak web site and the toll-free telephone number.			
I am aware that maps detailing the land use restrictions and ordnance awareness are available.			
I know that there are some areas I can't dig at all on Adak.			
I know that I can't use groundwater in the downtown area.			

B. Teachers			
Is the ordnance awareness DVD being shown and when?			
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.			
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.			
C. School Age Children			
I have seen the ordnance awareness video with Boomer the Otter at my school.	X		
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).	X		
I know not to go under, around, or over fences and gates.	X		
D. Visitors			
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.			
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.			
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.			
E. Subsistence Fisher			
Do you routinely eat blue mussels? If so, how many times per week?			
Do you routinely eat rock sole? If so, how many times per week?			
Do you routinely eat other fish? If so what fish?			

5. How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. **Do you have access to the Internet?**

- Yes No

7. **Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?**

Institutional Control Education Evaluation
Page 3 of 3

Name: Geselle
Address: Adak School
Telephone: _____
E-mail address: _____
Date: _____

1. Please check the following that apply:

- Adak Resident (go to 2)
 - I have lived here for over 1 year.
 - I have lived here for over 6 months, less than 1 year.
 - I have lived here 3-6 months.
 - I have lived here less than 3 months.
 - Adak visitor (go to 4C)
- Length of visit _____ Reason for visit _____

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.			
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.			
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).			
I am aware that land use restrictions apply to some areas on Adak.			
I am aware that digging in some areas on Adak requires Navy approval.			
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.			
I am aware of the Navy outreach Adak web site and the toll-free telephone number.			
I am aware that maps detailing the land use restrictions and ordnance awareness are available.			
I know that there are some areas I can't dig at all on Adak.			
I know that I can't use groundwater in the downtown area.			

B. Teachers			
Is the ordnance awareness DVD being shown and when?			
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.			
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.			
C. School Age Children			
I have seen the ordnance awareness video with Boomer the Otter at my school.	✓		
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).	SMK		
I know not to go under, around, or over fences and gates.	SMK		
D. Visitors			
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.			
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.			
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.			
E. Subsistence Fisher			
Do you routinely eat blue mussels? If so, how many times per week?			
Do you routinely eat rock sole? If so, how many times per week?			
Do you routinely eat other fish? If so what fish?			

5. **How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)**

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. Do you have access to the Internet?

- Yes No

7. Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?

Institutional Control Education Evaluation
Page 3 of 3

Name: Louise Luige
Address: Adak
Telephone: _____
E-mail address: _____
Date: 9/2/12

1. Please check the following that apply:

- Adak Resident (go to 2)
 - I have lived here for over 1 year.
 - I have lived here for over 6 months, less than 1 year.
 - I have lived here 3-6 months.
 - I have lived here less than 3 months.
 - Adak visitor (go to 4C)
- Length of visit _____ Reason for visit _____

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.			
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.			
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).			
I am aware that land use restrictions apply to some areas on Adak.			
I am aware that digging in some areas on Adak requires Navy approval.			
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.			
I am aware of the Navy outreach Adak web site and the toll-free telephone number.			
I am aware that maps detailing the land use restrictions and ordnance awareness are available.			
I know that there are some areas I can't dig at all on Adak.			
I know that I can't use groundwater in the downtown area.			

B. Teachers			
Is the ordnance awareness DVD being shown and when?			
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.			
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.			
C. School Age Children			
I have seen the ordnance awareness video with Boomer the Otter at my school.	X		
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).		X	
I know not to go under, around, or over fences and gates.	X		He just knew. from his xbox.
D. Visitors			
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.			
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.			
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.			
E. Subsistence Fisher			
Do you routinely eat blue mussels? If so, how many times per week?			
Do you routinely eat rock sole? If so, how many times per week?			
Do you routinely eat other fish? If so what fish?			

5. How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. Do you have access to the Internet?

- Yes No

7. Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?

Student

Institutional Control Education Evaluation
Page 3 of 3

Name: Adrien Das
Address: Adak
Telephone: _____
E-mail address: _____
Date: 9/2/12

1. Please check the following that apply:

- Adak Resident (go to 2)
- I have lived here for over 1 year.
- I have lived here for over 6 months, less than 1 year.
- I have lived here 3-6 months.
- I have lived here less than 3 months.
- Adak visitor (go to 4C)
Length of visit _____ Reason for visit _____

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.			_____
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.			
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911)			
I am aware that land use restrictions apply to some areas on Adak.			
I am aware that digging in some areas on Adak requires Navy approval.			
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.			
I am aware of the Navy outreach Adak web site and the toll-free telephone number.			
I am aware that maps detailing the land use restrictions and ordnance awareness are available.			
I know that there are some areas I can't dig at all on Adak.			
I know that I can't use groundwater in the downtown area.			

B. Teachers		
Is the ordnance awareness DVD being shown and when?		
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.		
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.		
C. School Age Children		
I have seen the ordnance awareness video with Boomer the Otter at my school.		X watches DVD at home
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).	X	has coloring Book
I know not to go under, around, or over fences and gates.	X	
D. Visitors		
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.		
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.		
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.		
E. Subsistence Fisher		
Do you routinely eat blue mussels? If so, how many times per week?		
Do you routinely eat rock sole? If so, how many times per week?		
Do you routinely eat other fish? If so what fish?		

5. How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. **Do you have access to the Internet?**

- Yes No

7. **Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?**

Teacher

Institutional Control Education Evaluation
Page 3 of 3

Name: Ivan Hodes
Address: 148B Sandy Cove Rd
Telephone: (907) 952-6133
E-mail address: ivanhodes@gmail.com
Date: 4 Sept 2012

1. Please check the following that apply:

- Adak Resident (go to 2)
- I have lived here for over 1 year.
- I have lived here for over 6 months, less than 1 year.
- I have lived here 3-6 months.
- I have lived here less than 3 months.
- Adak visitor (go to 4C)
Length of visit _____ Reason for visit _____

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.		X	
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.		X	
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).	X		
I am aware that land use restrictions apply to some areas on Adak.	X		
I am aware that digging in some areas on Adak requires Navy approval.	X		
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.		X	
I am aware of the Navy outreach Adak web site and the toll-free telephone number.		X	
I am aware that maps detailing the land use restrictions and ordnance awareness are available.		X	
I know that there are some areas I can't dig at all on Adak.	X		
I know that I can't use groundwater in the downtown area.		X	

B. Teachers		
Is the ordnance awareness DVD being shown and when?	X	Beginning of SY
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.		X
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.		X
C. School Age Children		
I have seen the ordnance awareness video with Boomer the Otter at my school.		
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).		
I know not to go under, around, or over fences and gates.		
D. Visitors		
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.		
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.		
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.		
E. Subsistence Fisher		
Do you routinely eat blue mussels? If so, how many times per week?		
Do you routinely eat rock sole? If so, how many times per week?		
Do you routinely eat other fish? If so what fish?		

5. How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. **Do you have access to the Internet?**

- Yes No

7. **Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?**

Institutional Control Education Evaluation

Page 3 of 3

Name: Danielle Vraeian
 Address: Bend, OR
 Telephone: _____
 E-mail address: _____
 Date: 9/9/12

1. Please check the following that apply:

- Adak Resident (go to 2)
- I have lived here for over 1 year.
- I have lived here for over 6 months, less than 1 year.
- I have lived here 3-6 months.
- I have lived here less than 3 months.
- Adak visitor (go to 4C)
 Length of visit 2 mos Reason for visit Work

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.			
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.			
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).			
I am aware that land use restrictions apply to some areas on Adak.			
I am aware that digging in some areas on Adak requires Navy approval.			
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.			
I am aware of the Navy outreach Adak web site and the toll-free telephone number.			
I am aware that maps detailing the land use restrictions and ordnance awareness are available.			
I know that there are some areas I can't dig at all on Adak.			
I know that I can't use groundwater in the downtown area.			

B. Teachers		
Is the ordnance awareness DVD being shown and when?		
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.		
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.		
C. School Age Children		
I have seen the ordnance awareness video with Boomer the Otter at my school.		
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).		
I know not to go under, around, or over fences and gates.		
D. Visitors		
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.	X	
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.		X
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.	X	
E. Subsistence Fisher		
Do you routinely eat blue mussels? If so, how many times per week?		
Do you routinely eat rock sole? If so, how many times per week?		
Do you routinely eat other fish? If so what fish?		

5. **How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)**

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. Do you have access to the Internet?

- Yes No

7. Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?

Institutional Control Education Evaluation

Page 3 of 3

Name: Alex Morris
 Address: Fairbanks, AK
 Telephone: _____
 E-mail address: _____
 Date: 9/9/12

1. Please check the following that apply:

- Adak Resident (go to 2)
- I have lived here for over 1 year.
- I have lived here for over 6 months, less than 1 year.
- I have lived here 3-6 months.
- I have lived here less than 3 months.
- Adak visitor (go to 4C)
 Length of visit 2.5 wks Reason for visit Radon / Work

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.			
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.			
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).			
I am aware that land use restrictions apply to some areas on Adak.			
I am aware that digging in some areas on Adak requires Navy approval.			
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.			
I am aware of the Navy outreach Adak web site and the toll-free telephone number.			
I am aware that maps detailing the land use restrictions and ordnance awareness are available.			
I know that there are some areas I can't dig at all on Adak.			
I know that I can't use groundwater in the downtown area.			

B. Teachers		
Is the ordnance awareness DVD being shown and when?		
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.		
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.		
C. School Age Children		
I have seen the ordnance awareness video with Boomer the Otter at my school.		
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).		
I know not to go under, around, or over fences and gates.		
D. Visitors		
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.	X	
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.		X
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.	X	
E. Subsistence Fisher		
Do you routinely eat blue mussels? If so, how many times per week?		
Do you routinely eat rock sole? If so, how many times per week?		
Do you routinely eat other fish? If so what fish?		

5. How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. **Do you have access to the Internet?**

- Yes No

7. **Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?**

Institutional Control Education Evaluation

Page 3 of 3

Name: Craig Hughes
 Address: Anchorage
 Telephone: _____
 E-mail address: _____
 Date: 9/9/12

1. Please check the following that apply:

- Adak Resident (go to 2)**
- I have lived here for over 1 year.
- I have lived here for over 6 months, less than 1 year.
- I have lived here 3-6 months.
- I have lived here less than 3 months.
- Adak visitor (go to 4C)**
 Length of visit 4 days Reason for visit Hunting

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.			
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.			
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).			
I am aware that land use restrictions apply to some areas on Adak.			
I am aware that digging in some areas on Adak requires Navy approval.			
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.			
I am aware of the Navy outreach Adak web site and the toll-free telephone number.			
I am aware that maps detailing the land use restrictions and ordnance awareness are available.			
I know that there are some areas I can't dig at all on Adak.			
I know that I can't use groundwater in the downtown area.			

B. Teachers			
Is the ordnance awareness DVD being shown and when?			
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.			
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.			
C. School Age Children			
I have seen the ordnance awareness video with Boomer the Otter at my school.			
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).			
I know not to go under, around, or over fences and gates.			
D. Visitors			
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.	X		
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.	X		
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.	X		
E. Subsistence Fisher			
Do you routinely eat blue mussels? If so, how many times per week?			
Do you routinely eat rock sole? If so, how many times per week?			
Do you routinely eat other fish? If so what fish?			

5. How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. **Do you have access to the Internet?**

- Yes No

7. **Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?**

Institutional Control Education Evaluation

Page 3 of 3

Name: Roney Typhoon
 Address: Seattle
 Telephone: _____
 E-mail address: _____
 Date: 9/9/12

1. Please check the following that apply:

- Adak Resident (go to 2)
- I have lived here for over 1 year.
- I have lived here for over 6 months, less than 1 year.
- I have lived here 3-6 months.
- I have lived here less than 3 months.
- Adak visitor (go to 4C)
 Length of visit 7 mos Reason for visit fish processing

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.			
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.			
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).			
I am aware that land use restrictions apply to some areas on Adak.			
I am aware that digging in some areas on Adak requires Navy approval.			
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.			
I am aware of the Navy outreach Adak web site and the toll-free telephone number.			
I am aware that maps detailing the land use restrictions and ordnance awareness are available.			
I know that there are some areas I can't dig at all on Adak.			
I know that I can't use groundwater in the downtown area.			

B. Teachers			
Is the ordnance awareness DVD being shown and when?			
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.			
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.			
C. School Age Children			
I have seen the ordnance awareness video with Boomer the Otter at my school.	<input checked="" type="checkbox"/>		
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).			
I know not to go under, around, or over fences and gates.			
D. Visitors			
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.	<input checked="" type="checkbox"/>		
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.		<input checked="" type="checkbox"/>	
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.		<input checked="" type="checkbox"/>	
E. Subsistence Fisher			
Do you routinely eat blue mussels? If so, how many times per week?			
Do you routinely eat rock sole? If so, how many times per week?			
Do you routinely eat other fish? If so what fish?			

5. **How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)**

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. **Do you have access to the Internet?**

- Yes No

7. **Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?**

~~909 572 2375~~

Institutional Control Education Evaluation
Page 3 of 3

Name: Rick Carver
Address: Anchorage
Telephone: _____
E-mail address: _____
Date: 9/9/12

1. Please check the following that apply:

- Adak Resident (go to 2)
- I have lived here for over 1 year.
- I have lived here for over 6 months, less than 1 year.
- I have lived here 3-6 months.
- I have lived here less than 3 months.
- Adak visitor (go to 4C)
Length of visit 3 days Reason for visit Hunting

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.			
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.			
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).			
I am aware that land use restrictions apply to some areas on Adak.			
I am aware that digging in some areas on Adak requires Navy approval.			
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.			
I am aware of the Navy outreach Adak web site and the toll-free telephone number.			
I am aware that maps detailing the land use restrictions and ordnance awareness are available.			
I know that there are some areas I can't dig at all on Adak.			
I know that I can't use groundwater in the downtown area.			

B. Teachers		
Is the ordnance awareness DVD being shown and when?		
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.		
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.		
C. School Age Children		
I have seen the ordnance awareness video with Boomer the Otter at my school.		
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).		
I know not to go under, around, or over fences and gates.		
D. Visitors		
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.	X	
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.	X	
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.	X	
E. Subsistence Fisher		
Do you routinely eat blue mussels? If so, how many times per week?		
Do you routinely eat rock sole? If so, how many times per week?		
Do you routinely eat other fish? If so what fish?		

5. **How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)**

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. **Do you have access to the Internet?**

- Yes No

7. **Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?**

Institutional Control Education Evaluation
Page 3 of 3

Name: Crystal Jimoz
 Address: California
 Telephone: _____
 E-mail address: _____
 Date: 9/9/12

1. Please check the following that apply:

- Adak Resident (go to 2)**
- I have lived here for over 1 year.
- I have lived here for over 6 months, less than 1 year.
- I have lived here 3-6 months.
- I have lived here less than 3 months.
- Adak visitor (go to 4C)**
 Length of visit 9 mos Reason for visit Work

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.			
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.			
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).			
I am aware that land use restrictions apply to some areas on Adak.			
I am aware that digging in some areas on Adak requires Navy approval.			
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.			
I am aware of the Navy outreach Adak web site and the toll-free telephone number.			
I am aware that maps detailing the land use restrictions and ordnance awareness are available.			
I know that there are some areas I can't dig at all on Adak.			
I know that I can't use groundwater in the downtown area.			

B. Teachers		
Is the ordnance awareness DVD being shown and when?		
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.		
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.		
C. School Age Children		
I have seen the ordnance awareness video with Boomer the Otter at my school.		
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).		
I know not to go under, around, or over fences and gates.		
D. Visitors		
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.	X	
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.	X	
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.		X
E. Subsistence Fisher		
Do you routinely eat blue mussels? If so, how many times per week?		
Do you routinely eat rock sole? If so, how many times per week?		
Do you routinely eat other fish? If so what fish?		

5. How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. **Do you have access to the Internet?**

- Yes No

7. **Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?**

Institutional Control Education Evaluation

Page 3 of 3

Name: Colin Campbell
 Address: Delaware
 Telephone: _____
 E-mail address: _____
 Date: 9/5/12

1. Please check the following that apply:

- Adak Resident (go to 2)
- I have lived here for over 1 year.
- I have lived here for over 6 months, less than 1 year.
- I have lived here 3-6 months.
- I have lived here less than 3 months.
- Adak visitor (go to 4C)
 Length of visit 2 wks Reason for visit Birding

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.			
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.			
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).			
I am aware that land use restrictions apply to some areas on Adak.			
I am aware that digging in some areas on Adak requires Navy approval.			
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.			
I am aware of the Navy outreach Adak web site and the toll-free telephone number.			
I am aware that maps detailing the land use restrictions and ordnance awareness are available.			
I know that there are some areas I can't dig at all on Adak.			
I know that I can't use groundwater in the downtown area.			

B. Teachers		
Is the ordnance awareness DVD being shown and when?		
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.		
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.		
C. School Age Children		
I have seen the ordnance awareness video with Boomer the Otter at my school.		
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).		
I know not to go under, around, or over fences and gates.		
D. Visitors		
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.		X
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.	X	
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.	X	
E. Subsistence Fisher		
Do you routinely eat blue mussels? If so, how many times per week?		
Do you routinely eat rock sole? If so, how many times per week?		
Do you routinely eat other fish? If so what fish?		

5. **How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)**

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. **Do you have access to the Internet?**

- Yes No

7. **Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?**

fish + wildlife do pretty well.

Institutional Control Education Evaluation
Page 3 of 3

Name: John X
 Address: _____
 Telephone: _____
 E-mail address: _____
 Date: SEP 5, 2012

1. Please check the following that apply:

- Adak Resident (go to 2)**
- I have lived here for over 1 year.
- I have lived here for over 6 months, less than 1 year.
- I have lived here 3-6 months.
- I have lived here less than 3 months.
- Adak visitor (go to 4C)**
 Length of visit 2 weeks Reason for visit BIRD WATCHING

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.			
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.			
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).			
I am aware that land use restrictions apply to some areas on Adak.			
I am aware that digging in some areas on Adak requires Navy approval.			
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.			
I am aware of the Navy outreach Adak web site and the toll-free telephone number.			
I am aware that maps detailing the land use restrictions and ordnance awareness are available.			
I know that there are some areas I can't dig at all on Adak.			
I know that I can't use groundwater in the downtown area.			

B. Teachers		
Is the ordnance awareness DVD being shown and when?		
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.		
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.		
C. School Age Children		
I have seen the ordnance awareness video with Boomer the Otter at my school.		
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).		
I know not to go under, around, or over fences and gates.		
D. Visitors		
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.	X	
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.	X	
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.	X	
E. Subsistence Fisher		
Do you routinely eat blue mussels? If so, how many times per week?		
Do you routinely eat rock sole? If so, how many times per week?		
Do you routinely eat other fish? If so what fish?		

5. **How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)**

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. **Do you have access to the Internet?**

- Yes No

7. **Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?**

Institutional Control Education Evaluation
Page 3 of 3

Name: Taylor Anderson
 Address: Seattle WA
 Telephone: _____
 E-mail address: _____
 Date: 9/6/12

1. Please check the following that apply:

- Adak Resident (go to 2)
- I have lived here for over 1 year.
- I have lived here for over 6 months, less than 1 year.
- I have lived here 3-6 months.
- I have lived here less than 3 months.
- Adak visitor (go to 4C)
 Length of visit 3.5 mos Reason for visit fisherman

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.			
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.			
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).			
I am aware that land use restrictions apply to some areas on Adak.			
I am aware that digging in some areas on Adak requires Navy approval.			
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.			
I am aware of the Navy outreach Adak web site and the toll-free telephone number.			
I am aware that maps detailing the land use restrictions and ordnance awareness are available.			
I know that there are some areas I can't dig at all on Adak.			
I know that I can't use groundwater in the downtown area.			

B. Teachers		
Is the ordnance awareness DVD being shown and when?		
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.		
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.		
C. School Age Children		
I have seen the ordnance awareness video with Boomer the Otter at my school.		
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).		
I know not to go under, around, or over fences and gates.		
D. Visitors		
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.		X
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.	X	
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.		X
E. Subsistence Fisher		
Do you routinely eat blue mussels? If so, how many times per week?		
Do you routinely eat rock sole? If so, how many times per week?		
Do you routinely eat other fish? If so what fish?		

5. **How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)**

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. Do you have access to the Internet?

- Yes No

7. Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?

Institutional Control Education Evaluation

Page 3 of 3

Name: Mark Porter
 Address: Mission
 Telephone: _____
 E-mail address: _____
 Date: 9/2/12

1. Please check the following that apply:

- Adak Resident (go to 2)
- I have lived here for over 1 year.
- I have lived here for over 6 months, less than 1 year.
- I have lived here 3-6 months.
- I have lived here less than 3 months.
- Adak visitor (go to 4C)
 Length of visit 2wk Reason for visit fishing

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.			
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.			
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).			
I am aware that land use restrictions apply to some areas on Adak.			
I am aware that digging in some areas on Adak requires Navy approval.			
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.			
I am aware of the Navy outreach Adak web site and the toll-free telephone number.			
I am aware that maps detailing the land use restrictions and ordnance awareness are available.			
I know that there are some areas I can't dig at all on Adak.			
I know that I can't use groundwater in the downtown area.			

B. Teachers		
Is the ordnance awareness DVD being shown and when?		
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.		
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.		
C. School Age Children		
I have seen the ordnance awareness video with Boomer the Otter at my school.		
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).		
I know not to go under, around, or over fences and gates.		
D. Visitors		
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.	X	
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.	X	
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.	X	Has map been checked look at it.
E. Subsistence Fisher		
Do you routinely eat blue mussels? If so, how many times per week?		
Do you routinely eat rock sole? If so, how many times per week?		
Do you routinely eat other fish? If so what fish?		

5. How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. **Do you have access to the Internet?**

- Yes No

7. **Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?**

Institutional Control Education Evaluation

Page 3 of 3

Name: Scott Hubbard
 Address: Seward AK
 Telephone: _____
 E-mail address: _____
 Date: 9/6/02

1. Please check the following that apply:

- Adak Resident (go to 2)
- I have lived here for over 1 year.
- I have lived here for over 6 months, less than 1 year.
- I have lived here 3-6 months.
- I have lived here less than 3 months.
- Adak visitor (go to 4C)
 Length of visit 2.5 mos Reason for visit Fisherman

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.			
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.			
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).			
I am aware that land use restrictions apply to some areas on Adak.			
I am aware that digging in some areas on Adak requires Navy approval.			
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.			
I am aware of the Navy outreach Adak web site and the toll-free telephone number.			
I am aware that maps detailing the land use restrictions and ordnance awareness are available.			
I know that there are some areas I can't dig at all on Adak.			
I know that I can't use groundwater in the downtown area.			

B. Teachers		
Is the ordnance awareness DVD being shown and when?		
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.		
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.		
C. School Age Children		
I have seen the ordnance awareness video with Boomer the Otter at my school.		
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).		
I know not to go under, around, or over fences and gates.		
D. Visitors		
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.		X
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.	X	
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.		X
E. Subsistence Fisher		
Do you routinely eat blue mussels? If so, how many times per week?		
Do you routinely eat rock sole? If so, how many times per week?		
Do you routinely eat other fish? If so what fish?		

5. How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. Do you have access to the Internet?

- Yes No

7. Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?

Institutional Control Education Evaluation

Page 3 of 3

Name: Rhonda Kelly
 Address: Virginia Adak
 Telephone: _____
 E-mail address: _____
 Date: 9/9/12

1. Please check the following that apply:

- Adak Resident (go to 2)**
- I have lived here for over 1 year.
- I have lived here for over 6 months, less than 1 year.
- I have lived here 3-6 months.
- I have lived here less than 3 months.
- Adak visitor (go to 4C)**
- Length of visit 5.5 yrs Reason for visit fish plant

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.	X		
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.	X		
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).	X		
I am aware that land use restrictions apply to some areas on Adak.	X		
I am aware that digging in some areas on Adak requires Navy approval.	X		
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.	X		
I am aware of the Navy outreach Adak web site and the toll-free telephone number.		X	
I am aware that maps detailing the land use restrictions and ordnance awareness are available.	X		
I know that there are some areas I can't dig at all on Adak.		X	
I know that I can't use groundwater in the downtown area.		X	

B. Teachers		
Is the ordnance awareness DVD being shown and when?		
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.		
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.		
C. School Age Children		
I have seen the ordnance awareness video with Boomer the Otter at my school.		
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).		
I know not to go under, around, or over fences and gates.		
D. Visitors		
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.		
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.		
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.		
E. Subsistence Fisher		
Do you routinely eat blue mussels? If so, how many times per week?		
Do you routinely eat rock sole? If so, how many times per week?		
Do you routinely eat other fish? If so what fish?		

5. **How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)**

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. **Do you have access to the Internet?**

- Yes No

7. **Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?**

Institutional Control Education Evaluation
Page 3 of 3

Name: Mike Hill
 Address: Adak.
 Telephone: _____
 E-mail address: _____
 Date: 9/9/12

1. Please check the following that apply:

- Adak Resident (go to 2)**
 - I have lived here for over 1 year.
 - I have lived here for over 6 months, less than 1 year.
 - I have lived here 3-6 months.
 - I have lived here less than 3 months.
 - Adak visitor (go to 4C)**
- Length of visit _____ Reason for visit _____

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.	<input checked="" type="checkbox"/>		
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.	<input checked="" type="checkbox"/>		
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).	<input checked="" type="checkbox"/>		
I am aware that land use restrictions apply to some areas on Adak.	<input checked="" type="checkbox"/>		
I am aware that digging in some areas on Adak requires Navy approval.	<input checked="" type="checkbox"/>		
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.	<input checked="" type="checkbox"/>		
I am aware of the Navy outreach Adak web site and the toll-free telephone number.		<input checked="" type="checkbox"/>	
I am aware that maps detailing the land use restrictions and ordnance awareness are available.	<input checked="" type="checkbox"/>		
I know that there are some areas I can't dig at all on Adak.	<input checked="" type="checkbox"/>		
I know that I can't use groundwater in the downtown area.	<input checked="" type="checkbox"/>		

B. Teachers			
Is the ordnance awareness DVD being shown and when?			
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.			
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.			
C. School Age Children			
I have seen the ordnance awareness video with Boomer the Otter at my school.			
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).			
I know not to go under, around, or over fences and gates.			
D. Visitors			
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.			
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.			
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.			
E. Subsistence Fisher			
Do you routinely eat blue mussels? If so, how many times per week?			
Do you routinely eat rock sole? If so, how many times per week?			
Do you routinely eat other fish? If so what fish?			

5. How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. **Do you have access to the Internet?**

- Yes No

7. **Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?**

Institutional Control Education Evaluation
Page 3 of 3

Name: Brian Rapno
 Address: Adak
 Telephone: _____
 E-mail address: _____
 Date: 9/9/12

1. Please check the following that apply:

- Adak Resident (go to 2)**
- I have lived here for over 1 year.
- I have lived here for over 6 months, less than 1 year.
- I have lived here 3-6 months.
- I have lived here less than 3 months.
- Adak visitor (go to 4C)**
- Length of visit 10 No Reason for visit fish processing

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.		X	
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.	X		
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).	X		
I am aware that land use restrictions apply to some areas on Adak.	X		
I am aware that digging in some areas on Adak requires Navy approval.	X		
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.		X	
I am aware of the Navy outreach Adak web site and the toll-free telephone number.		X	
I am aware that maps detailing the land use restrictions and ordnance awareness are available.	X		
I know that there are some areas I can't dig at all on Adak.	X		
I know that I can't use groundwater in the downtown area.		X	

B. Teachers		
Is the ordnance awareness DVD being shown and when?		
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.		
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.		
C. School Age Children		
I have seen the ordnance awareness video with Boomer the Otter at my school.		
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).		
I know not to go under, around, or over fences and gates.		
D. Visitors		
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.		
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.		
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.		
E. Subsistence Fisher		
Do you routinely eat blue mussels? If so, how many times per week?		
Do you routinely eat rock sole? If so, how many times per week?		
Do you routinely eat other fish? If so what fish?		

5. **How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)**

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. **Do you have access to the Internet?**

- Yes No

7. **Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?**

Institutional Control Education Evaluation

Page 3 of 3

Name: Cynthia Galaktionoff
 Address: Adak
 Telephone: _____
 E-mail address: _____
 Date: 9/20/12

1. Please check the following that apply:

- Adak Resident (go to 2)**
 - I have lived here for over 1 year.
 - I have lived here for over 6 months, less than 1 year.
 - I have lived here 3-6 months.
 - I have lived here less than 3 months.
 - Adak visitor (go to 4C)**
- Length of visit _____ Reason for visit _____

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.	<input checked="" type="checkbox"/>		
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.	<input checked="" type="checkbox"/>		
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).	<input checked="" type="checkbox"/>		
I am aware that land use restrictions apply to some areas on Adak.	<input checked="" type="checkbox"/>		
I am aware that digging in some areas on Adak requires Navy approval.	<input checked="" type="checkbox"/>		
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.	<input checked="" type="checkbox"/>		
I am aware of the Navy outreach Adak web site and the toll-free telephone number.	<input checked="" type="checkbox"/>		
I am aware that maps detailing the land use restrictions and ordnance awareness are available.	<input checked="" type="checkbox"/>		
I know that there are some areas I can't dig at all on Adak.	<input checked="" type="checkbox"/>		
I know that I can't use groundwater in the downtown area.	<input checked="" type="checkbox"/>		

B. Teachers		
Is the ordnance awareness DVD being shown and when?		
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.		
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.		
C. School Age Children		
I have seen the ordnance awareness video with Boomer the Otter at my school.		
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).		
I know not to go under, around, or over fences and gates.		
D. Visitors		
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.		
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.		
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.		
E. Subsistence Fisher		
Do you routinely eat blue mussels? If so, how many times per week?		X
Do you routinely eat rock sole? If so, how many times per week?		X
Do you routinely eat other fish? If so what fish?	X	Halibut, Salmon

5. How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. **Do you have access to the Internet?**

- Yes No

7. **Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?**

Institutional Control Education Evaluation
Page 3 of 3

Name: Kidvo Rojas
 Address: Adak
 Telephone: _____
 E-mail address: _____
 Date: 9/6/12

1. Please check the following that apply:

- Adak Resident (go to 2)**
 - I have lived here for over 1 year.
 - I have lived here for over 6 months, less than 1 year.
 - I have lived here 3-6 months.
 - I have lived here less than 3 months.
 - Adak visitor (go to 4C)**
- Length of visit _____ Reason for visit _____

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.	X		
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.	X		
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).	X		
I am aware that land use restrictions apply to some areas on Adak.	X		
I am aware that digging in some areas on Adak requires Navy approval.	X		
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.	X		
I am aware of the Navy outreach Adak web site and the toll-free telephone number.	X		
I am aware that maps detailing the land use restrictions and ordnance awareness are available.	X		
I know that there are some areas I can't dig at all on Adak.	X		
I know that I can't use groundwater in the downtown area.	X		

B. Teachers		
Is the ordnance awareness DVD being shown and when?		
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.		
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.		
C. School Age Children		
I have seen the ordnance awareness video with Boomer the Otter at my school.		
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).		
I know not to go under, around, or over fences and gates.		
D. Visitors		
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.		
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.		
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.		
E. Subsistence Fisher		
Do you routinely eat blue mussels? If so, how many times per week?		
Do you routinely eat rock sole? If so, how many times per week?		
Do you routinely eat other fish? If so what fish?		

5. **How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)**

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. **Do you have access to the Internet?**

- Yes No

7. **Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?**

Institutional Control Education Evaluation
Page 3 of 3

Name: John
 Address: Adak
 Telephone: _____
 E-mail address: _____
 Date: 9/5/12

1. Please check the following that apply:

- Adak Resident (go to 2)
- I have lived here for over 1 year.
- I have lived here for over 6 months, less than 1 year.
- I have lived here 3-6 months.
- I have lived here less than 3 months.
- Adak visitor (go to 4C)
 Length of visit _____ Reason for visit _____

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.	X		
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.	X		
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).	X		
I am aware that land use restrictions apply to some areas on Adak.	X		
I am aware that digging in some areas on Adak requires Navy approval.	X		
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.	X		
I am aware of the Navy outreach Adak web site and the toll-free telephone number.	X		
I am aware that maps detailing the land use restrictions and ordnance awareness are available.	X		
I know that there are some areas I can't dig at all on Adak.	X		
I know that I can't use groundwater in the downtown area.	X		

B. Teachers		
Is the ordnance awareness DVD being shown and when?		
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.		
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.		
C. School Age Children		
I have seen the ordnance awareness video with Boomer the Otter at my school.		
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).		
I know not to go under, around, or over fences and gates.		
D. Visitors		
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.		
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.		
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.		
E. Subsistence Fisher		
Do you routinely eat blue mussels? If so, how many times per week?	X	
Do you routinely eat rock sole? If so, how many times per week?	X	
Do you routinely eat other fish? If so what fish?		Helibut and Salmon Catch as given

5. How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. **Do you have access to the Internet?**

- Yes No

7. **Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?**

Institutional Control Education Evaluation
Page 3 of 3

Name: Phyllis Berts
 Address: Adak
 Telephone: _____
 E-mail address: _____
 Date: 9/6/12

1. Please check the following that apply:

- Adak Resident (go to 2)**
 - I have lived here for over 1 year.
 - I have lived here for over 6 months, less than 1 year.
 - I have lived here 3-6 months.
 - I have lived here less than 3 months.
 - Adak visitor (go to 4C)**
- Length of visit _____ Reason for visit _____

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.	<input checked="" type="checkbox"/>		
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.	<input checked="" type="checkbox"/>		
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).	<input checked="" type="checkbox"/>		
I am aware that land use restrictions apply to some areas on Adak.	<input checked="" type="checkbox"/>		
I am aware that digging in some areas on Adak requires Navy approval.	<input checked="" type="checkbox"/>		
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.	<input checked="" type="checkbox"/>		
I am aware of the Navy outreach Adak web site and the toll-free telephone number.		<input checked="" type="checkbox"/>	
I am aware that maps detailing the land use restrictions and ordnance awareness are available.	<input checked="" type="checkbox"/>		
I know that there are some areas I can't dig at all on Adak.	<input checked="" type="checkbox"/>		
I know that I can't use groundwater in the downtown area.	<input checked="" type="checkbox"/>		

B. Teachers		
Is the ordnance awareness DVD being shown and when?		
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.		
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.		
C. School Age Children		
I have seen the ordnance awareness video with Boomer the Otter at my school.		
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).		
I know not to go under, around, or over fences and gates.		
D. Visitors		
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.		
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.		
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.		
E. Subsistence Fisher		
Do you routinely eat blue mussels? If so, how many times per week?		
Do you routinely eat rock sole? If so, how many times per week?		
Do you routinely eat other fish? If so what fish?		

5. **How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)**

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. **Do you have access to the Internet?**

- Yes No

7. **Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?**

Institutional Control Education Evaluation
Page 3 of 3

Name: Lawton Lockett
 Address: Adak
 Telephone: _____
 E-mail address: _____
 Date: 9/6/12

1. Please check the following that apply:

- Adak Resident (go to 2)**
 - I have lived here for over 1 year.
 - I have lived here for over 6 months, less than 1 year.
 - I have lived here 3-6 months.
 - I have lived here less than 3 months.
 - Adak visitor (go to 4C)**
- Length of visit _____ Reason for visit _____

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.	<input checked="" type="checkbox"/>		
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.	<input checked="" type="checkbox"/>		
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).	<input checked="" type="checkbox"/>		
I am aware that land use restrictions apply to some areas on Adak.	<input checked="" type="checkbox"/>		
I am aware that digging in some areas on Adak requires Navy approval.	<input checked="" type="checkbox"/>		
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.	<input checked="" type="checkbox"/>		
I am aware of the Navy outreach Adak web site and the toll-free telephone number.	<input checked="" type="checkbox"/>		
I am aware that maps detailing the land use restrictions and ordnance awareness are available.	<input checked="" type="checkbox"/>		
I know that there are some areas I can't dig at all on Adak.	<input checked="" type="checkbox"/>		
I know that I can't use groundwater in the downtown area.	<input checked="" type="checkbox"/>		

B. Teachers		
Is the ordnance awareness DVD being shown and when?		
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.		
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.		
C. School Age Children		
I have seen the ordnance awareness video with Boomer the Otter at my school.		
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).		
I know not to go under, around, or over fences and gates.		
D. Visitors		
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.		
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.		
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.		
E. Subsistence Fisher		
Do you routinely eat blue mussels? If so, how many times per week?		
Do you routinely eat rock sole? If so, how many times per week?		
Do you routinely eat other fish? If so what fish?		

5. **How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)**

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) social media for example facebook

6. **Do you have access to the Internet?**

- Yes No

7. **Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?**

- Central digital repository
- Run the DVD on TV ie Channel 6 (City Channel)

Institutional Control Education Evaluation
Page 3 of 3

Name: Diame Kreleff
 Address: Adak
 Telephone: _____
 E-mail address: _____
 Date: 9/6/12

1. Please check the following that apply:

- Adak Resident (go to 2)**
- I have lived here for over 1 year.
- I have lived here for over 6 months, less than 1 year.
- I have lived here 3-6 months.
- I have lived here less than 3 months.
- Adak visitor (go to 4C)**
 Length of visit _____ Reason for visit _____

2. Do friends or family visit you on Adak? (Yes or No) If yes, do you educate them on the institutional controls (land use restrictions, fish advisory, ordnance awareness, and groundwater use restriction) applicable on Adak? (Yes or No)

3. Are you a subsistence fisher?

- Yes
- No

4. General Comments (please check the appropriate box):

	Yes	No	Comments
A. Residents			
I am aware there is a fish consumption advisory for rock sole and blue mussel in Sweeper Cove and rock sole in Kuluk Bay.	<input checked="" type="checkbox"/>		
I am aware of the land use control/ordnance awareness safety video and have a personal copy or have seen the one at the airport.	<input checked="" type="checkbox"/>		
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).	<input checked="" type="checkbox"/>		
I am aware that land use restrictions apply to some areas on Adak.	<input checked="" type="checkbox"/>		
I am aware that digging in some areas on Adak requires Navy approval.	<input checked="" type="checkbox"/>		
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.	<input checked="" type="checkbox"/>		
I am aware of the Navy outreach Adak web site and the toll-free telephone number.	<input checked="" type="checkbox"/>		
I am aware that maps detailing the land use restrictions and ordnance awareness are available.	<input checked="" type="checkbox"/>		
I know that there are some areas I can't dig at all on Adak.	<input checked="" type="checkbox"/>		
I know that I can't use groundwater in the downtown area.	<input checked="" type="checkbox"/>		

B. Teachers		
Is the ordnance awareness DVD being shown and when?		
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.		
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.		
C. School Age Children		
I have seen the ordnance awareness video with Boomer the Otter at my school.		
I've seen or have some of the ordnance awareness materials (coloring books, tri-color markers, water bottles, book markers, safety cards, etc.).		
I know not to go under, around, or over fences and gates.		
D. Visitors		
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.		
I am aware that entry onto the Navy-retained UXO exclusion Area property (Parcel 4) is prohibited because of the presence of live ordnance.		
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.		
E. Subsistence Fisher		
Do you routinely eat blue mussels? If so, how many times per week?		
Do you routinely eat rock sole? If so, how many times per week?		
Do you routinely eat other fish? If so what fish?		

5. **How would you prefer the Navy provide information to you regarding institutional controls? (check all that apply)**

- Community meetings
- Electronic mail
- Internet

- Mailings/Fact Sheets
- Informal telephone calls
- Other (please specify) _____

6. **Do you have access to the Internet?**

- Yes No

7. **Do you have any specific suggestions to provide to the Navy regarding how institutional control information is made available on Adak?**

APPENDIX C
PHOTOGRAPHS
(PROVIDED ON CD)

APPENDIX D
MAP DISTRIBUTION LOG

Number of Adak hiking maps distributed by USFWS, 2012.					
Date	Office	Entry	ComCen	Airport	Store
16-May-12	5		6	6	
24-May-12	10		6	6	
4-Jun-12	5	6			6
10-Jun-12				6	
15-Jun-12	6	6	6	6	6
12-Jul-12	6	6	4		6
30-Jul-12	6	6	6	6	6
16-Aug	6	6	6	7	6
23-Aug	6	6		6	
27-Aug		5	4	6	6
2-Sep	6		4	6	6

APPENDIX E
AIRPORT UXO DVD RUN LOG

APPENDIX F
INSTITUTIONAL CONTROL SITE BOUNDARY MAPS
(PROVIDED ON CD)

APPENDIX G
RESPONSE TO REGULATOR COMMENTS

Technical Review and Comments
Draft 2012 Institutional Controls Site Inspection Report
Operable Units A and B-1
Former Adak Naval Installation, Adak, Alaska
Document Date: December 2012
Commenter: EPA

Comment No.	Document/ Page &Line	Comment/Recommendation	Navy Response February 15, 2012
GENERAL COMMENTS			
1	Draft 2012 IC Report	<p>Comment: Section 1.0 of the Draft 2012 Institutional Controls Site Inspection Report (the Draft 2012 IC Report) states "the Navy is required to conduct monitoring annually for as long as site conditions pose an unacceptable risk for unlimited use and unrestricted exposure;" however, the recommendations include reducing the inspection frequency or discontinuing inspections. Because significant deterioration has occurred at solid waste management unit (SWMU) 25 and SWMU 1 8/19 and more erosion has occurred at SWMU 13 since the 2011 inspection, the inspection frequency for these SWMUs should not be considered for reduction until repairs are made and long-term stability has been established. Sites where excavation is prohibited should continue to be inspected annually. Further, the fact that yearly inspections occur may encourage ongoing cleanup and improvement at sites with bad housekeeping practices and may also help minimize the potential for excavations without excavation permits and other prohibited activities; this should be considered when recommending reducing the frequency of IC inspections. Please revise the Draft 2012 IC Report to remove the recommendation to reduce the frequency of IC inspections for sites which have experienced erosion or unauthorized excavations.</p>	<p>The Navy will change the recommendation for discontinuing inspections at sites (Antenna Field, Boy Scout Camp, and LORAN) where access has become restrictive. Instead, a recommendation of reducing inspections to once every 5 years will be recommended for these sites.</p> <p>The Navy has recommended reducing inspections to every five years to coincide with the 5-year reviews only for those sites where there has been no evidence of poor housekeeping, erosion, unauthorized excavations or at site where excavation or entry is prohibited (i.e. landfills, Parcel 4, etc.).</p> <p>For the remainder of the sites, the Navy is recommending reducing inspections to every other year since IC repairs are currently conducted once every three to four years. Because of this, many inspection observations are redundantly observed for up to three years before repairs are affected. IC inspections will occur every even year opposite of odd year LTM activities so that the Navy is on island every year. In this way, any unauthorized excavation or continued poor housekeeping can be addressed by the Navy annually.</p> <p>Text on pages 6-1 and 6-2 will be clarified to list sites where inspections are to be reduced to every even year and those selected for once every 5 year inspections.</p>

Comment No.	Document/ Page &Line	Comment/Recommendation	Navy Response February 15, 2012
			<p>EPA Response: EPA does not concur that it is acceptable to wait four years to repair observed failures of Institutional Controls. They should be prioritized and managed on a case specific basis.</p> <p>Navy Response: The Navy's budget cycle for IC repairs is set at every 3 to 4 years because no critical repairs have been observed in recent years. This frequency is the optimal period of time to conduct repairs due to the high expense of mobilizing to Adak. 2012 observations were minor enough that these repairs can be conducted within the current repair cycle. If severe or catastrophic failures to IC are observed in the future, the Navy would affect repairs sooner as required.</p>
2	Draft 2012 IC Report	<p>Comment: Site specific figures have been included for only a few of the sites discussed in Sections 2 and 3 of the Draft 2012 IC Report. The Draft 2012 IC Report should contain specific site figures for all sites discussed in the document to show the site boundaries, the extent of ICs, any relevant site features, and to mark any areas of concern (if applicable). Please include site specific figures in Sections 2 and 3 for all of the sites discussed in these sections.</p>	<p>The EPA has previously agreed that this is not required.</p> <p>EPA Response: EPA may have agreed to this in the past, although I regret it because it makes the document less than optimal. At a minimum, couldn't the document indicate a "foundation" document like the CMP that the reader could refer to for relevant features, like location and infrastructure or waterways?</p> <p>Navy Response: The site boundary maps presented in Appendix B of the ICMP, Rev 5 will be appended as Appendix F in this report.</p>
3	Draft 2012 IC Report	<p>Comment: Some of the site-specific sections do not specify the inspection date. For example, Section 2.5.1.9 for the Artic Acres Housing Area does not specify the date of the IC inspection. Please revise the Draft 2012 IC Report to include the inspection date in each site-specific section.</p>	<p>Inspection dates are included on the photographs presented in each site section. However, inspection dates have also been added to the text.</p>
4	Draft 2012 IC Report	<p>Comment: <i>It appears that lack of good housekeeping practices is an ongoing issue at sites like SWMU 17 and SWMU 55. It may be useful to verify that operators on these sites are aware of what constitutes good housekeeping</i></p>	<p>The Navy agrees that this is an ongoing issue. This report serves to notify EPA and ADEC of any potential regulatory concerns associated with poor housekeeping observed during these inspections. However, the Navy</p>

Comment No.	Document/ Page &Line	Comment/Recommendation	Navy Response February 15, 2012
		<p><i>practices. If it is determined that the site operators are not aware of good housekeeping practices, then reference materials or training videos could be provided to them. Site operators may take initiative to improve site practices without Navy notification if they understand what constitutes good housekeeping practices. Please consider verifying the awareness of site operators and potentially sending reference materials or training videos if it is determined they are not aware of what constitutes good housekeeping practices.</i></p>	<p>is not the property owner or operator and is not a regulatory entity. It is beyond the Navy's scope of authority to enforce, ensure, or conduct training so that owners and operators practice good housekeeping at these sites.</p> <p>EPA Response: Acknowledged, but it would be in the Navy's interest to notify the landowner of the Inspection Reports findings so that it's clear the activities were not related to a Navy release, or failure of a remedy.</p> <p>Navy Response: The Navy provides the property owners an opportunity to comment on the Draft version of this report and receives a copy of the Final version. The Navy has also contacted the property owners to specifically discuss poor housekeeping practices an effort to improve site conditions.</p> <p>For SWMU 55, site operators were notified of the poor site conditions in 2010. Since then, cleanup of the site has occurred and is ongoing and site conditions have improved (see text page 2-13, lines 1-3). The recommendation is for the Navy to continue to monitor the cleanup progress (page 2-15, lines 6-7).</p> <p>For SWMU 17, the following change was made. Page 2-10, lines 25-29, changed the following: "It is recommended that the Treatment Plant Operator be notified to properly remove and dispose of the crushed drums and transformers. It is further recommended that the City be notified of the permit excavation..."</p>
<p>SPECIFIC COMMENTS</p>			

Comment No.	Document/ Page &Line	Comment/Recommendation	Navy Response February 15, 2012
1	Draft 2012 IC Report Figure 1-2, Page 1 - 13 And Figure 1-3, Page 1-15	Comment: Figures 1-2 and 1-3 show the locations of Resident Officer in Charge of Construction (ROICC) Contractors Camp underground storage tank (UST) ROICC-7, but do not display the location of ROICC Contractors Camp UST ROICC-8. Please revise Figures 1-2 and 1-3 to display the location of ROICC Contractors Camp UST ROICC-8.	ROICC-8 is located in the same area as ROICC-7. Figures 1-2 and 1-3 were revised to reflect this.
2	Draft 2012 IC Report Section 2.2.2 Page 2-4 Lines 8 and 9	Comment: According to lines 8 and 9, “there were no signs present on the site, but several signs were located in the near vicinity of the site;” however, signs should be located at SWMU 14 to ensure the public is aware of the digging restrictions at the site. Please ensure signs are present not only in the vicinity of the site, but also at SWMU 14.	The EPA has previously agreed that this is not required. EPA Response: A preferred response would be that the City and property owners are aware of the digging notifications and additional signage is unlikely to add value (presumably the general public will not be digging deep enough without being noticed to pose a risk). Navy Response: Agreed, that was the intended response.
3	Draft 2012 IC Report Section 2.2.3 Page 2-6 Lines 9 and 10	Comment: Section 2.2.3 states “potentially contaminated soil remaining onsite may be impacting underlying groundwater;” however, in addition to potentially impacting groundwater, the stained soil may be impacting storm water runoff water quality. The text should indicate whether the previously stored drums and associated stained soils were due to post remedial action by the Navy and that potential impact to storm water runoff water quality from stained soil at SWMU 15 is a likely a violation of the Clean Water act. The facility operator should be on notice of these potential violations.	Page 2-4, lines 1-2, changed to “All 55-gallon drums, debris, and vehicles observed onsite in 2011 and placed there by the current users have been removed from the site.” Page 2-5, lines 11-12, changed to “The aboveground storage tank (AST), 55-gallon drums of fuel, and oil-stained soil (not associated with Navy activities) located near well MW15-424...” The Navy is concerned with the cleanup of the groundwater at this site. The Navy reports conditions observed that could adversely impact groundwater. While there is a potential for other violations caused by current owners/users poor housekeeping activities, it is beyond the Navy’s scope of authority to comment on those. See RTC General Comment 1.

Comment No.	Document/ Page &Line	Comment/Recommendation	Navy Response February15, 2012
4	Draft 2012 IC Report Section 2.2.5 Page 2-10 Lines 26 through 28	Comment: The last paragraph of Section 2.2.5 recommends that “the Treatment Plant Operator be notified of the permit excavation requirement and that the open excavation observed at the site be filled in;” however, it is not clear if notifying the Treatment Plant Operator will be sufficient to resolve the notification issue. Please discuss if there are additional measures that can be taken to help improve compliance with the excavation notification/permit requirement.	<p>Since this document was submitted, the Navy has informed the Plant Operator of the violation. It was determined that the excavation occurred under as an emergency action to address a City water main break. ADEC RTC #6 for changes to the text which states: Page 2-10, lines 25-29, changed the following: “It is recommended that the Plant Operator be notified to properly remove and dispose of the crushed drums and transformers. It is further recommended that the City be notified of the permit excavation...”</p> <p>The Navy has taken steps annually to communicate with current site operators, notify EPA, and make changes to the excavation permit requirement.</p>
5	Draft 2012 IC Report Section 2.2.7 Page 2-16 Lines 1 and 2	Comment: Lines 1 and 2 state that “no soil excavation restriction sign was present onsite but several signs were located in the near vicinity of the site;” however, signs should be located at source area (SA) 76 to ensure the public is aware of the digging restrictions at the site. Please ensure signs are present not only in the vicinity of the site, but also at SA 76.	<p>See RTC #2.</p> <p>EPA Response: A preferred response would be that the City and property owners are aware of the digging notifications and additional signage is unlikely to add value (presumably the general public will not be digging deep enough without being noticed to pose a risk).</p> <p>Navy Response: Agreed, that was the intended response.</p>
6	Draft 2012 IC Report Section 2.3.1 Page 2-19 Lines 13 and 14	Comment: Section 2.3.1 states that “fencing is not required to encompass the entire perimeter of the landfill,” which implies that only a portion of SWMU 13 is fenced; however, there is no discussion of the location or condition of fencing at this site. Please indicate whether there is fencing present at SWMU 13. If there is no fencing, then please revise the statement in lines 13 and 14 to clarify this.	This question was addressed in the 2011 EPA comments. See page 2-19, lines 12-14.

Comment No.	Document/ Page &Line	Comment/Recommendation	Navy Response February 15, 2012
7	Draft 2012 IC Report Section 2.3.1 Page 2-19 Lines 17 and 18	Comment: The text of Section 2.3.1 states “as observed in 2011, Swale 6 north of monitoring well 13-2 is eroding at the cliff, and the liner is exposed and torn,” but it is not understood why the erosion and torn liner have not been repaired since these issues were observed during the previous year’s inspection. Please explain why Swale 6 was not repaired following the 2011 IC inspection and specify when the repairs will be made at Swale 6.	<p>The EPA has agreed that landfill repairs are to be made every three to four years.</p> <p>The next IC repair event is scheduled to be contracted in 2013 with fieldwork occurring during the 2014 field season.</p> <p>EPA Response: EPA does not recall a decision which we agreed any landfill repair could wait three to four years to be addressed. Depending on the circumstances, a delay of three years may be acceptable, however it is not unilateral for all needed repairs. Why was the repair not scheduled for the 2013 field season?</p> <p>Navy Response: Swale 6 repairs are not critical and are schedule to occur during the next scheduled IC repairs in 2014. Also please see General RTC #1.</p>
8	Draft 2012 IC Report Section 2.3.2 Page 2-24 Lines 12 through 18	Comment: According to the text, total copper exceeded the endpoint criteria in surface water sample NL-14, which was collected in 2011 from a ditch immediately below the seep northwest of the landfill; however, there are no recommendations for the seep beyond sampling it again in 2013. Please indicate in Section 6 what “appropriate actions” may be taken at SWMU 25 if metals in the seep continue to be present above endpoint criteria.	<p>If the seep continues to exceed endpoint criteria, the Navy and EPA will evaluate the next appropriate steps of action.</p> <p>EPA Response: Will that text be added to the document? ADEC should also be involved with the decision of next appropriate steps.</p> <p>Navy Response: Page 2-26, lines 25-26, made the following change: “Take appropriate actions as determined by ADEC, EPA, and the Navy if needed.”</p>
9	Draft 2012 IC Report Section 2.3.2 Page 2-25 Lines 1 through 3	Comment: Section 2.3.2 states “the pond located on the southern portion of the landfill near the gates that was observed during the 2009, 2010, and 2011 inspections was still present during the September 5, 2012 site inspection;” however, the text does not indicate whether actions will be taken to minimize the continued ponding at SWMU 25. If no	Page 2-25, line 4, added the following: “ As previously determined, the pond is not thought to be located on the landfill cap or impacting its integrity. ”

Comment No.	Document/ Page &Line	Comment/Recommendation	Navy Response February 15, 2012
		actions are planned, then please explain why the prolonged ponding is not thought to be impacting the landfill cap.	
10	Draft 2012 IC Report Section 2.3.2 Page 2-26 Lines 1 through 38	Comment: The text refers to three PVC pipes that “are presumed” to be part of the drainage system for the pond. The drainage system should be verified and the drainage system improved to prevent ponding on the landfill.	See ADEC RTC 9. EPA Response: Per the FFA, the Navy should include responses to all EPA comments in the Response to Comments versus requiring EPA to sift through another document. Navy Response: Agreed. ADEC RTC 9 states: Page 2-26, line 9, added: “It is presumed that the culvert and PVC pipes are part of the drainage system for the pond which appears to be working as evidence of water flowing from the culvert. It is further presumed that the Navy installed the drainage system sometime prior to 2005 when the IC inspections began. The system was installed to regulate the water level in the pond. ” Page 2-25, line 4, added the following: “ As previously determined the pond is not thought to be located on the landfill cap or impacting its integrity. ”
11	Draft 2012 IC Report Figure 2-5 Page 2-27	Comment: Figure 2-5 includes surface water sample locations at SWMU 25, but it is not clear whether any of these locations were sampled in 2012. Please indicate whether any surface water samples were collected during 2012. If so, please revise the text of Section 2.3.2 on page 2-25, to specifically note where samples were collected and the results of the sampling.	Page 2-24, lines 18 and 19, changed the following: “Based on the 2011 Landfill Monitoring Report recommendations and landfill sampling plan, sampling was not conducted at the landfill in 2012; however the seep will be sampled again in 2013.”
12	Draft 2012 IC Report Figure 2-5 Page 2-27	Comment: Figure 2-5 shows the location of three damaged signs in need of repair, but does not show the three asbestos signs that need to be replaced. In addition, Figure 2-5 displays 20 locations where fencing is damaged, but Section 2.3.2 states there are 36 sections of fencing that are damaged and two posts in need of repair. Please revise Figure 2-5 to show the location of the three asbestos signs that need to be replaced. Please also revise Figure 2-5 to display all the fencing sections	Page 2-23, lines 17 and 18, changed the following: “The three asbestos signs located on the buried bunkers west across the road from the landfill need to be replaced. These bunkers are not part of the landfill. ” The general location of observed damaged fencing is shown on Figure 2-5 as an “X” but this is not

Comment No.	Document/ Page &Line	Comment/Recommendation	Navy Response February 15, 2012
		in need of repair (make information consistent).	intended to represent each individual section of fence. This would be impractical and is unnecessary to affect follow-on repairs.
13	Draft 2012 IC Report Section 2.5.1.9 Page 2-40 Lines 6 through 8	Comment: According to Section 2.5.1.9, "potential future residential housing construction will be evaluated for impacts to ongoing petroleum cleanup activities;" however, Table 1-1 shows that land use is restricted to commercial and industrial at the Arctic Acres Housing Area. Please explain why potential future residential house construction will be evaluated at the Arctic Acres Housing Area, which has a land use restriction.	<p>In Table 1-1, land use for Arctic Acres has been changed to "a3- residential use" to reflect the information presented in the CMP Revision 5, ICMP.</p> <p>Page 2-40, lines 6-8, deleted: "Potential future residential housing construction will be evaluated for impacts to ongoing petroleum cleanup activities."</p> <p>EPA Response: The CMP is not a mechanism to change land usage, especially if the Record of Decision stipulated an institutional control to prevent residential land usage. If the remedy included an institutional control to prevent residential housing, then Arctic Acres cannot be developed into residential housing without changing the selected remedy at the Site.</p> <p>Navy Response: Agreed. Arctic Acres land use is designated as "a1- commercial, industrial" by the ROD and will be listed as such in Table 1-1. The CMP will be revised to reflect this.</p>
14	Draft 2012 IC Report Section 3.1 Page 3-1 Lines 27 through 29 Table 1-1 Page 1-8	Comment: Section 3.1 lists SWMU 67 as a site requiring excavation notification, but according to Table 1-1 excavation is absolutely prohibited at SWMU 67. This prohibition is necessary because this site has a multi-layer cap (page 3-7, lines 7 through 9). Please revise Section 3.1 to include the excavation prohibition at SWMU 67.	Change made.
15	Draft 2012 IC Report Section 3.1	Comment: The text on Page 3-7 states: "No new excavation was observed at this Site." However Table 6-1 on page 6-14, column three indicates there is evidence of soil excavation.	Table 6-1 was corrected.

Comment No.	Document/ Page &Line	Comment/Recommendation	Navy Response February15, 2012
	Page 3-7 Line 15 and Table 6-1 , Page 6-14	Please revise document to be consistent.	
16	Draft 2012 IC Report Figure 3-3 Page 3-17	Comment: Figure 3-3 displays 14 locations where fencing is damaged, but Section 3.2.4 states there are 17 sections of fencing that are damaged. Please revise Figure 3-3 to display all the fencing sections in need of repair.	See RTC to # 12.
17	Draft 2012 IC Report Figure 3-5 Page 3-35	Comment: Figure 3-5 displays two locations on the east side of SA 93 where fencing is damaged, but Section 3.4 states there are six sections of fencing that are damaged on the eastern side. In addition, Section 3.4 states two signs need to be replaced at SWMU 1, but Figure 3-5 shows three signs to be replaced and/or repaired. Lastly, Figure 3-5 shows one section of fencing in need of repair at SWMU 1, but Section 3.4 states there are three fence sections in need of repair. Please revise Figure 3-5 to display all the fencing sections in need of repair at SA 93 and at SWMU 1. Please also clarify the third sign symbol at SWMU 1.	See RTC to # 12 re fencing SWMU 1 Signs: Page 3-34, lines 8-9, changed : “The two UXO warning signs on Lake Jean road, the south entrance road, and one on the south gate were missing during the 2012 inspection and need to be replaced.”
18	Draft 2012 IC Report Section 6.0 Page 6-2 Lines 3 through 6	Comment: The Draft 2012 IC Report recommends reducing inspections to every odd year; however, there are multiple repairs that need to be made (e.g., signs, fencing, torn liners, ponding, erosion, etc.). All repairs recommended in the Draft 2012 IC Report should be completed and adequately documented before considering a reduction in inspection frequency.	IC repairs are routinely made by the Navy every 3 to 4 years which has been approved by EPA. The recommendation to reduce inspections to every other year is valid since repairs will not be conducted at a greater frequency. EPA Response: Three to four years is not an acceptable schedule for conducting IC repairs, or conducting inspections at sites which have observed failures. EPA did not unilaterally approve a repair frequency of 3-4 years. Navy Response: Agreed. Please see Navy’s Response to General RTC #1.
19	Draft 2012 IC Report Section 6.0	Comment: The Draft 2012 IC Report recommends discontinuing IC inspections at various Operable Unit (OU) A sites; however, IC inspections are necessary for observing and	See RTC #1. EPA Response: EPA does not concur that it is

Comment No.	Document/ Page &Line	Comment/Recommendation	Navy Response February15, 2012
	Page 6-2 Lines 7 through 12	documenting IC components in need of repair (e.g., signs, fencing, etc.) and to ensure ICs remain effective. It is understood that ICs have been effective at many OU A sites during the past few years, but there is no guarantee that this will continue into the future, particularly if the period between IC inspections increases or if inspections are discontinued. Also, it is unclear how the Five-Year Review Report can accurately report the status of ICs if periodic inspections are terminated. In addition, it is not clear how the need for repairs will be assessed if there are no IC inspections. The recommendations do not include sufficient justification for discontinuing IC inspections at each site. Please revise the Draft 2012 IC Report to remove the recommendation to discontinue IC inspections or provide a site-specific, detailed justification for each proposed change to the frequency of IC inspections. EPA is not opposed to reducing the frequency of site inspections at sites which have not shown erosion, unauthorized excavations, or change in land use during the past few years. At a minimum, sites should be inspected at least every 5 years to satisfy the need of evaluating the remedy's protectiveness in Five Year Reviews.	acceptable to wait four years to repair observed failures of Institutional Controls. They should be prioritized and managed on a case specific basis. Navy Response: Agreed. Please see Navy's Response to General RTC #1.
MINOR COMMENT			
1	Draft 2012 IC Report Figure 1-3, Page 1-15	Comment: It is not clear why some remote area sites (SWMU II , SWMU 18/ 19, Modified Advanced Underwater Weapons [MAUW] Compound, Mount Moffett Power Plant 5) have been included on Figure 1-3, which displays the location of institutional control sites in the Downtown area. Please revise Figure 1-3 to only include the Downtown area sites.	The Navy disagrees. It is useful to see the proximity of the closer "remote" sites relative to the Downtown Area.
2	Draft 2012IC Report Section 3.3.3 Page 3-25 Lines 13 and 14	Comment: Section 3.3.3 states "during the inspection on September 4, 2012, no changes to the site were observed compared to the 2012 inspection results," but should say 2011 inspection results. Please revise the text to reference the 2011 inspection results instead of the 2012 inspection results.	Change made.

Comment No.	Document/ Page &Line	Comment/Recommendation	Navy Response February15, 2012
3	Draft 2012 TC Report Section 5.3 Page 5-4 Lines 12 and 13	Comment: Lines 12 and 13 state "it was also observed that the younger students were supplied with UXO [unexploded ordnance] Awareness coloring books," but it not clear which students qualify as "younger" (e.g., all students ages 8 and under, all students ages 12 and under, etc.). Please clarify which students were supplied with the UXO Awareness coloring books.	Page 5-4, line 12, changed the following: "It was also observed that the younger students (grades K to 5) were supplied..."

Alaska Department of Environmental Conservation
Comments on the Draft 2012 Institutional Controls Site Inspection Report, December 2012
Commenter: Meghan Dooley (ADEC), Guy Warren (ADEC) Comments Developed: April 25, 2013

Cmt. No.	Pg. & Line	Sec.	Comment/Recommendation	Navy Response
1.	Page 1-4, Lines 2-4	Section 1.2	This sentence seems to state that a reduction in monitoring requirements is evaluated in the 5-year review, and so it is not appropriate to recommend this in the Site Inspection Report. Please clarify the wording. The 5YR is just another mechanism to recommend monitoring adjustments, not the only mechanism.	Page 1-4 line 1, change the following: “These reviews, along with the annual IC inspection are conducted to assess site conditions and the effectiveness of the ICs.”
2.	Page 1-6	Table 1-1	Should this table be consistent with what is in the ICMP? E.g. a column for Ongoing Monitoring? Additionally, there are several columns under the Operations and Maintenance section in the ICMP that are not in the SIR. Should Area 303 be included in Petroleum Downtown Area Sites? Housing Area should be residential use.	Table 1-1 is consistent with Table 5-1 of the CMP Rev 5. Monitoring and O&M activities are not part of the ICs and are included in other reports. Area 303 was not part of the 2012 IC inspections so it should not be included in this report. Area 303 will be included as applicable in future IC Inspection activities. Land usage for SWMU 62 was changed to “a3-residential” in the decision document; therefore, Table 1-1 was change to reflect this. The ROD specifies a land use of “a1-industrial, commercial” for Housing Area, Arctic Acres.
3.	Page 1-7	Table 1-1	ROICC 2, 3, and 5 were closed with Institutional Controls and therefore should be included in inspections. Other sites closed with ICs not in table: <ul style="list-style-type: none"> -Navy Exchange Building -NAVFAC Compound -New Roberts Housing 	ROICC Contractor’s Area 5 received a ‘No Further Action’ determination in the OU A ROD and is not inspected. The 3 rd 5-Year Review, completed in 2011, identified sites that were closed with ICs that were not undergoing IC inspections.

**Alaska Department of Environmental Conservation
Comments on the Draft 2012 Institutional Controls Site Inspection Report, December 2012**

Committer: Meghan Dooley (ADEC), Guy Warren (ADEC)

Comments Developed: April 25, 2013

Cmt. No.	Pg. & Line	Sec.	Comment/Recommendation	Navy Response
			<p>-Officer and Amulet Housing USTs 31047-A and 31052-A</p> <p>This may not be an exhaustive list, and so all sites should be evaluated to ensure the remedial action is being carried out as required by the applicable RODs.</p> <p>Is it necessary to include SWMU 14, 15 and 17 twice in Table 1-1?</p> <p>SWMU 62 should be residential use</p>	<p>The list provided in the ADEC comment includes some of these sites:</p> <ul style="list-style-type: none"> -ROICC Warehouse UST 2 -ROICC Warehouse UST 3 -Navy Exchange Building -NAVFAC Compound -New Roberts Housing -Officer and Amulet Housing UST 31047-A -Officer and Amulet Housing UST 31052-A <p>In addition, the following site was closed with ICs but has since been closed by ADEC: Contractor's Camp Burn Pad.</p> <p>A final site identified in the 3rd 5-Year Review is currently undergoing IC inspections: Yakutat Hangar.</p> <p>Tables 3-1 and 6-1 in the ICMP, Rev 5 included these sites as requiring IC inspections. However, Table 5-1 that identifies what inspection forms are necessary, did not include the sites. As a result, the sites were not inspected in 2012. Based on the recommendations within this report and the similarities to other sites, these sites will be added to the sites requiring IC inspections every 5 years in conjunction with the 5-Year Reviews. This change will be implemented through</p>

Alaska Department of Environmental Conservation
Comments on the Draft 2012 Institutional Controls Site Inspection Report, December 2012
Commenter: Meghan Dooley (ADEC), Guy Warren (ADEC) Comments Developed: April 25, 2013

Cmt. No.	Pg. & Line	Sec.	Comment/Recommendation	Navy Response
				<p>revisions to the CMP.</p> <p>Table 1-1 will be revised to include SWMUs 14, 15 and 17 only once.</p> <p>See RTC #2 re usage for SWMU 62.</p>
4.	Page 1-8	Table 1-1	<p>Why are groundwater restrictions checked for Antenna Field, SWMU 58/SA73, and SA 78? All remote sites have the same groundwater restriction.</p> <p>Site/Remedy Condition Inspections and Reporting should be checked for Boy Scout Camp, Finger Bay Quonset Hut, MAUW Compound, and Mount Moffett Power Plant.</p>	<p>Unchecked groundwater restrictions for these sites.</p> <p>Checked Site/Remedy Condition Inspections in Table 1-1 as suggested.</p>
5.	Page 2-4, Line 5	Section 2.2.2	No changes were observed compared to the 2011 results, not 2012 results. Please revise.	Change made.
6.	Page 2-10	Section 2.2.5	<p>Lines 5-9: Are there photos of the excavation? The area of excavation depicted on the figure is close to areas of residual contamination. This site should be checked more closely as there is potential for contaminated soil to be brought to the surface since it was not an approved excavation.</p> <p>Lines 12-14: Are there photos of the drums? Was there any associated staining?</p> <p>Line 25-28: Recommend restating recommendation. The treatment plant operator should be notified of the permit</p>	<p>Several photos of the excavation and crushed drums are presented on the CD in Appendix C. The file name for the photo indicates the time taken and subject matter for your convenience. See the inspection checklist (Appendix B) for a complete list of photos taken at the site which are again reference by time taken. No visible contamination was observed.</p> <p>Lines 12-14. These drums were within the concrete secondary containment for the large ASTs and were not in contact with the</p>

Alaska Department of Environmental Conservation
Comments on the Draft 2012 Institutional Controls Site Inspection Report, December 2012
Committer: Meghan Dooley (ADEC), Guy Warren (ADEC) Comments Developed: April 25, 2013

Cmt. No.	Pg. & Line	Sec.	Comment/Recommendation	Navy Response
			excavation requirement and the recommendation to dispose of the drums/transformers.	<p>ground. Old oil staining was observed inside of the containment but did not appear to be from the drums. Photos of these drums are included in on the CD in Appendix C.</p> <p>Page 2-10, lines 25-29, changed the following: “It is recommended that the Treatment Plant Operator be notified to properly remove and dispose of the crushed drums and transformers be properly disposed. It is further recommended that the Treatment Plant Operator City be notified of the permit excavation...”</p>
7.	Page 2-20, line 3-4	2.3.1	The Southern “metal debris” area, identified on the figure, is associated with the metals landfill. This material is not practical/technically feasible to cap. The Northern “metal debris” area is outside landfill boundaries and not associated with the landfill. Please consider revising.	<p>The Navy agrees. The text was revised to reflect this.</p> <p>Page 2-19, lines 2-6, changed the following “In addition, large amounts of metal debris that have been observed in the past remain on the cliffs on the northeastern boundary of the landfill. This debris is not feasible to cap due to the steep terrain and is not impacting the integrity of the armor wall. A second area of metal debris is located further north of the landfill and has been observed here since inspections commenced in 2005. This debris lies outside of the landfill...”</p>
8.	Page 2-24	Section 2.3.2	Was there a photo of the seep from 2012?	Please see the first photo in Appendix C in the SWMU 25 folder.

Alaska Department of Environmental Conservation
Comments on the Draft 2012 Institutional Controls Site Inspection Report, December 2012
Commenter: Meghan Dooley (ADEC), Guy Warren (ADEC) Comments Developed: April 25, 2013

Cmt. No.	Pg. & Line	Sec.	Comment/Recommendation	Navy Response
9.	Page 2-26	Section 2.3.2	<p>Lines 4-6: Was the PVC installed by the Navy?</p> <p>There is no discussion about whether or not the pond is potentially impacting the landfill cap. Is there a recommendation for the ponded area to ensure this does not occur in the future? Does the PVC seem to be working? What if the pond continues to expand?</p>	<p>Page 2-26, line 9, added: “It is presumed that the culvert and PVC pipes are part of the drainage system for the pond which appears to be working as evidence of water flowing from the culvert. It is further presumed that the Navy installed the drainage system sometime prior to 2005 when the IC inspections began. The system was installed to regulate the water level in the pond.”</p> <p>Page 2-25, line 4, added the following: “As previously determined the pond is not thought to be located on the landfill cap or impacting its integrity.”</p>
10	Page 2-41, lines 2-13	Section 2.5.2	<p>This section discusses MNA, not Free Product Recovery as the title suggests. Please revise or clarify by stating if MNA is the remedy, why are these listed as FPR sites?</p>	<p>Page 2-41, line 2, changed the following: “Free product recovery, monitored natural attenuation, and ICs...”</p>
11	Page 2-42, line 34	Section 2.5.2.2	<p>What was in the 5 poly drums?</p>	<p>Page 2-43, line 1, changed the following: “Five poly drums not belonging to the Navy, were observed to be located in the same place on the south side of the west building and appeared to contain oil...”</p> <p>In 2010, during the 5-year review site visit, there were only 3 poly drums at this location. Current property occupants have placed these drums here.</p>

Alaska Department of Environmental Conservation
Comments on the Draft 2012 Institutional Controls Site Inspection Report, December 2012

Committer: Meghan Dooley (ADEC), Guy Warren (ADEC)

Comments Developed: April 25, 2013

Cmt. No.	Pg. & Line	Sec.	Comment/Recommendation	Navy Response
12	Page 2-48	Section 2.5.2.5	<p>Line 9: Do you know the depth of the excavation? It is of concern in case there is potential that contaminated soil was brought to the surface.</p> <p>Line 20: Were the fuel recovery systems removed as planned? Same comment for the system at Tanker Shed.</p>	<p>Page, 2-48, line 9, changed the following: “One excavated area, approximately 7 feet by 7 feet and less than 2 feet deep, was observed in front of housing unit 140D...”</p> <p>No visible contamination was observed at this excavation. This excavation is outside of the site boundary and appears to be less than 2 feet deep. There is little concern that contamination was brought to the surface.</p> <p>Fuel recovery systems at this site and Tanker Shed were removed off-island. Text was changed to reflect this.</p>
13	Page 2-50, Line 9	Section 2.5.2.6	Product recovery is no longer occurring on this site.	Change made.
14	Page 3-12	Section 3.2.3	The recommendation for the sinkhole is to repair it. Did previous repairs work as intended? What is the long term plan for repairing the sink hole that seems to be reappearing? Does the existence of a sinkhole with debris protruding indicate failure of the cap as an IC?	The Navy agrees that the previous repairs have not worked as intended. The gravel placed in the sinkhole to affect repair has settled and washed away. The Navy recommends that during the next IC repairs that the culvert in the pond will be inspected for functionality and that solutions for repair will be recommended as required. The text will be updated to reflect this.
15	Page 3-14	Section 3.2.4	<p>Lines 20-23: Is this the location of where surface water samples are collected?</p> <p>Lines 24-25: Please reword to state that the sparsely vegetated area observed in 2011 has revegetated, not that it no longer exists.</p>	Surface water sample location 21-4 is the nearest to this ponding but is located in the roadside ditch approximately 100 feet north of the site.

Alaska Department of Environmental Conservation
Comments on the Draft 2012 Institutional Controls Site Inspection Report, December 2012
Commenter: Meghan Dooley (ADEC), Guy Warren (ADEC) Comments Developed: April 25, 2013

Cmt. No.	Pg. & Line	Sec.	Comment/Recommendation	Navy Response
				Lines 24-25: change made.
16	Page 3-16, Lines 5-7	Section 3.2.4	What efforts will be taken to encourage revegetation?	Page 3-16, lines 8-10. Changed the following: “Efforts should be made to encourage vegetative growth at the non-vegetated area at the top of the southern swale and near the building foundation to reduce the potential for future erosion. The non-vegetated areas will be re-seeded. Use of other tundra mixes than what has been used previously will be investigated to yield better re-seeding results.”
17	Page 3-18, Lines 11-13	Section 3.2.5	Was the full site covered with a soil cap?	It is presumed that soil was placed only in areas where there was exposed debris.
18	Page 3-20	Section 3.2.5	Line 7: Is debris protruding from the landfill or just surface debris? If protruding, a larger effort to reinforce the cap may be necessary. Line 8: Are surface water locations impacting the cap? Was it ever known how thick the soil cap is?	It is difficult to determine if the debris is coming out of the cap or was just partially buried at the surface. Not much information regarding the landfill is available. The exact location of the cap, thickness, or type is unknown.
19	Page 4-2	Section 4-1	It is of concern that the city is excavating without notifying the Navy. Additionally, it is of concern that the depth of the excavations may unearth contamination and bring it to the surface.	It is the Navy’s understanding that the excavation at SWMU 17 was an emergency because of the City’s water main break. However, the Navy continues to have discussions with the City concerning notifications of excavations.
20	Page 5-3, line	Section 5.3	It may be a good idea to split the visitors from residents for this question to help	Change made.

Alaska Department of Environmental Conservation
Comments on the Draft 2012 Institutional Controls Site Inspection Report, December 2012
Commenter: Meghan Dooley (ADEC), Guy Warren (ADEC) Comments Developed: April 25, 2013

Cmt. No.	Pg. & Line	Sec.	Comment/Recommendation	Navy Response
	29		evaluate if there is a need for a stronger effort for one group in particular.	
21	Page 5-5, Lines 4-5	Section 5.3	<p>If there was a substantial amount of adult residents surveyed that were fish processors, it may help determine if a stronger effort at the fish processing plant may be necessary to ensure the program is effective.</p> <p>In order to ensure any visitors or new residents are aware of the ICs, what about creating some sort of brochure that is at the airport or Aleut Real Estate when people check in to housing?</p>	<p>Page 6-1, line 22, added: “A simplified brochure of the fish advisory limits will be given to the plant’s safety trainer who has agreed to hand them out to employees during mandatory trainings. Additionally, the Navy has made poster of the hiking maps which will be placed in public areas around town. Finally the Navy is looking into showing the Airport UXO video on the local TV channel 6.”</p>
22	Page 6-1, Lines 19-21	Section 6.0	<p>Please clarify the sentence. Does this mean that 100% of the residents interviewed were aware of all aspects of the education program, or only a portion?</p>	<p>Page 6-1, lines 19-21 changed the following to: “Based on the survey information, the education program appears to be effective because more than 100 percent most of the resident population and 63 percent of visitors interviewed were aware of at least portions of the program.”</p>
23	Page 6-2	Section 6.0	<p>Lines 4-6: Would this coincide with the years repairs are conducted, or would they happen opposite years?</p> <p>Lines 7-12: If individual site inspections are either eliminated or decreased to biennial visits, how often will interviews occur?</p> <p>As unpermitted excavations are observed annually, ADEC does not necessarily concur with biennial only site visits to ensure the IC program is implemented</p>	<p>Surveys would occur every even year to coincide with IC Inspections. LTM activities would occur every odd year so the Navy would be on island every year and be able to document unauthorized excavations.</p> <p>Per discussions with ADEC during the April 17, 2013 meeting, certain IC activities will continue annually including verification that the airport UXO video was operated, evaluating excavation notifications, and conducting classroom educational activities</p>

Alaska Department of Environmental Conservation
Comments on the Draft 2012 Institutional Controls Site Inspection Report, December 2012

Commenter: Meghan Dooley (ADEC), Guy Warren (ADEC)

Comments Developed: April 25, 2013

Cmt. No.	Pg. & Line	Sec.	Comment/Recommendation	Navy Response
			effectively.	(playing child UXO video). A summary of the effectiveness of these educational ICs will be summarized in a technical memorandum and added as an appendix to either the LTM report on odd years or the IC Inspection Report on even years. This was added to the text on page 6-2.
24	Page 6-9		Parcel 4 Ordnance areas: The Navy is currently implementing a NTCRA to occur during the 2013-2014 field seasons. Following the completion of this work the signs and fences around the Parcel 4 ordnance areas will no longer be required and should be removed. Therefore scheduling any repairs (unless planned for early 2013) would not be required.	Though it is certainly the long term plan, the Navy believes it is premature to cancel the inspections/maintenance of the fencing and gates. There are numerous steps that will take years to complete following the NTCRA. Presuming the ROD is finalized, these steps include finalization of the RACR, preparation of the FOST, and actual transfer. At this point, the Navy will likely need to maintain the fencing and gates until at least the RACR is completed, and will need to maintain the fencing and gates along the east and west shores of Andrew Lake for a currently undetermined period of time. Beyond that, the USFWS has indicated that they plan to maintain the gates and an undetermined amount of the fencing on Parcel 4 to control access related to the ATV issues on the island.
25		6.0	General comment. ADEC is willing to discuss changes to the IC inspection frequency at the sites covered by this report. It would be more appropriate to implement any changes to the IC inspection program through revisions to the IC	The Navy agrees. These changes will require revisions of the ICMP prior to implementation. Also, see EPA RTC #1. Per the discussion with ADEC on April 17, 2013, the following was added to Page 1-1,

Alaska Department of Environmental Conservation
Comments on the Draft 2012 Institutional Controls Site Inspection Report, December 2012

Commenter: Meghan Dooley (ADEC), Guy Warren (ADEC)

Comments Developed: April 29, 2013

Cmt. No.	Pg. & Line	Sec.	Comment/Recommendation	Navy Response
			<p>management plan (ICMP). This will allow us to evaluate any proposed changes to the entire program and take into account frequency of interviews, visits to the island, etc. We request that the Navy hold off on implementing any changes to the IC program pending a formal revision of the ICMP. At a minimum ADEC requirements for the IC program include the following:</p> <ul style="list-style-type: none"> • The frequency of inspection for landfills and sites with protective caps, the frequency should not be reduced to less than every other year. • At CERCLA and Petroleum sites with IC inspection requirements, the frequency should not be reduced to less than every five years. To coincide with the FYR. • Inspections should occur on the off years for groundwater monitoring to so that a Navy representative is on-island every year. 	<p>line 10: “Because it has been shown that ICs have generally remained effective since 2005, reductions to the monitoring program are scheduled to begin in 2014. Nineteen sites have had periodic minor observable findings during annual IC inspections. Therefore, monitoring of ICs will be reduced to every even year for these sites. For the remaining 35 sites, very few or no findings have been observed since 2005; therefore, monitoring at these sites will be reduced to once every five years with IC inspections occurring in 2015 to coincide with the 5-year review process. These changes will be formalized in upcoming revisions to the ICMP prior to implementation.”</p>