



FINAL

27 JUNE 2014

2013 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

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FINAL
2013 INSTITUTIONAL CONTROLS SITE INSPECTION REPORT
OPERABLE UNITS A AND B-1

FORMER NAVAL COMPLEX
ADAK, ALASKA

JUNE 27, 2014

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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
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
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
NSGA	Naval Security Group Activity
OU	Operable Unit

ACRONYMS AND ABBREVIATIONS (continued)

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. Repairs to ICs identified by periodic inspections will be conducted by the Navy approximately every three to four years and is schedule to next occur in 2015. If severe or unusual failures of ICs are observed then the Navy will conduct additional emergency repairs at that time.

Because it has been shown that ICs have generally remained effective since 2005, reductions to the monitoring program are scheduled to begin in 2014. Twenty sites have had periodic minor observable findings during annual IC inspections. Therefore, monitoring of ICs reduced to biennially starting in 2013. For the remaining 32 sites, very few or no findings have been observed since 2005; therefore, monitoring at these sites was reduced to once every four or six years (whichever occurs closest and prior to the next 5-year review) with IC inspections occurring in 2014 to coincide with the 5-year review process (see Table 1-1). These changes will be formalized in upcoming revision to the Comprehensive Monitoring Plan (CMP) 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.

Table 1-1. Adak OU A and OU B-1 Long-Term Monitoring Program Schedule

Year	Groundwater Monitoring			Landfill Monitoring		Institutional Controls Inspections			Marine Monitoring	5-Year Review
	Annual Sites ¹	Biennial Sites	NAPs ²	Biennial Sites ³	5 Year Sites ⁴	Annual ⁵	Biennial Sites	5-Year IC and OU B-1 Sites		
2014	X	X	X	X	X	X		X		
2015	X					X	X		X	
2016	X	X		X		X				X
2017	X					X	X		X	
2018	X	X	X	X	X	X				
2019	X					X	X	X	X	
2020	X	X		X		X				
2021	X					X	X		X	X
2022	X	X		X		X				
2023	X					X	X		X	
2024	X	X	X	X	X	X		X		
2025	X					X	X		X	
2026	X	X		X		X				X

Notes:

¹ Area 303 and Former Power plant, Building T-1451 sites

² Natural attenuation parameters sampling conducted at all sites

³ Palisades and Roberts landfills

⁴ Metals and White Alice landfills and VOC sampling at Roberts Landfill

⁵ Education program, excavation restrictions monitoring, Downtown Area groundwater use restriction monitoring

Gray – 5-year monitoring conducted on alternating 4- and 6-year intervals to coincide with biennial monitoring

Yellow – 5 year review

NAPs – natural attenuation parameters

OU – operable unit



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 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 1-2. Institutional Control Site Boundary Maps are presented in Appendix F.

The Navy prepared the CMP, Revision 5 that identified the approach that Sealaska Environmental Services, LLC (Sealaska) used to inspect the IC sites. CMP, Revision 5 (Navy 2012a) 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 August 30 to September 5, 2013. 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 1-2;
- Inspection of Remote Area sites listed in Table 1-2;
- 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 2012 and September 2013;
- Inspection of the operation of the UXO Awareness video at the airport; and

- Interview of on-island personnel regarding the 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 1-2). 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 2013 field event.

The processing of IC excavation notifications was evaluated for the period September 2012 to September 2013 to determine whether the notification program is occurring as outlined in the CMP, Revision 5 (Navy 2012a). 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 CMP, Revision 5 (Navy 2012a) and applicable RODs.

A summary of the required IC inspection forms completed for each site at the Former Naval Complex are listed in Table 1-3. 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. Appendix E presents the Airport UXO DVD Run Log and Site Boundary Maps are presented in Appendix F. Appendix G contains the Navy's response to regulator comments on this report.

Table 1-2. 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	
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	a3	X	X	d1		X		X	X		
Amulet Housing, Well AMW-709 Area	a3	X	X	d1		X		X	X		
Area 303	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 Housing Area (Arctic Acres)	a1	X	X	d1		X		X	X		
NMCB Building Area, T-1416 Expanded Area	a3	X	X	d1		X		X	X		

Table 1-2. 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	a2	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 1-2. 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 1-2. 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 conducted 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 1-3. 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			
Area 303	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			

Table 1-3. 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 16, Former Firefighting Training Area	X			
SWMU 17, Power Plant 3 Area*	X			
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				

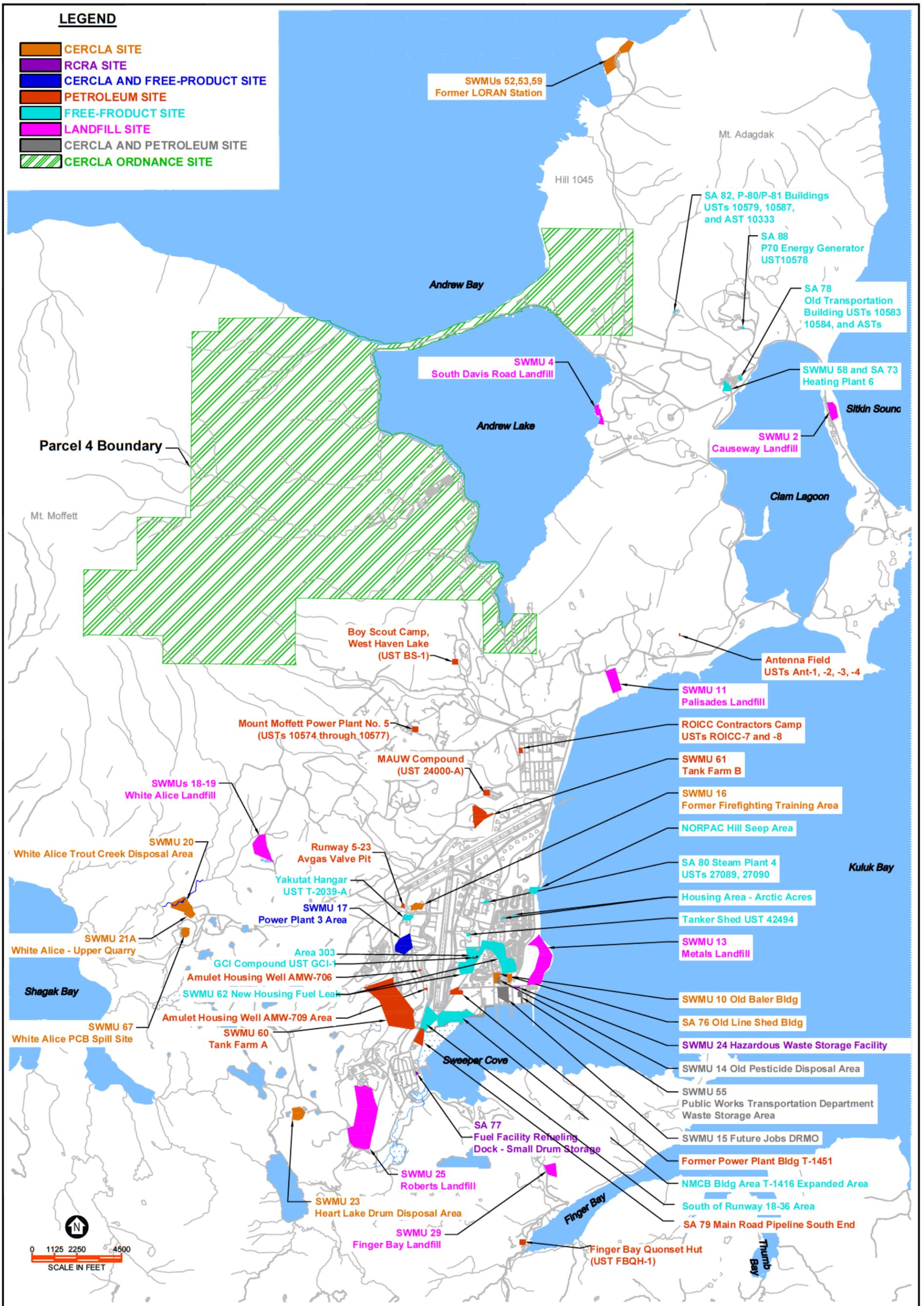


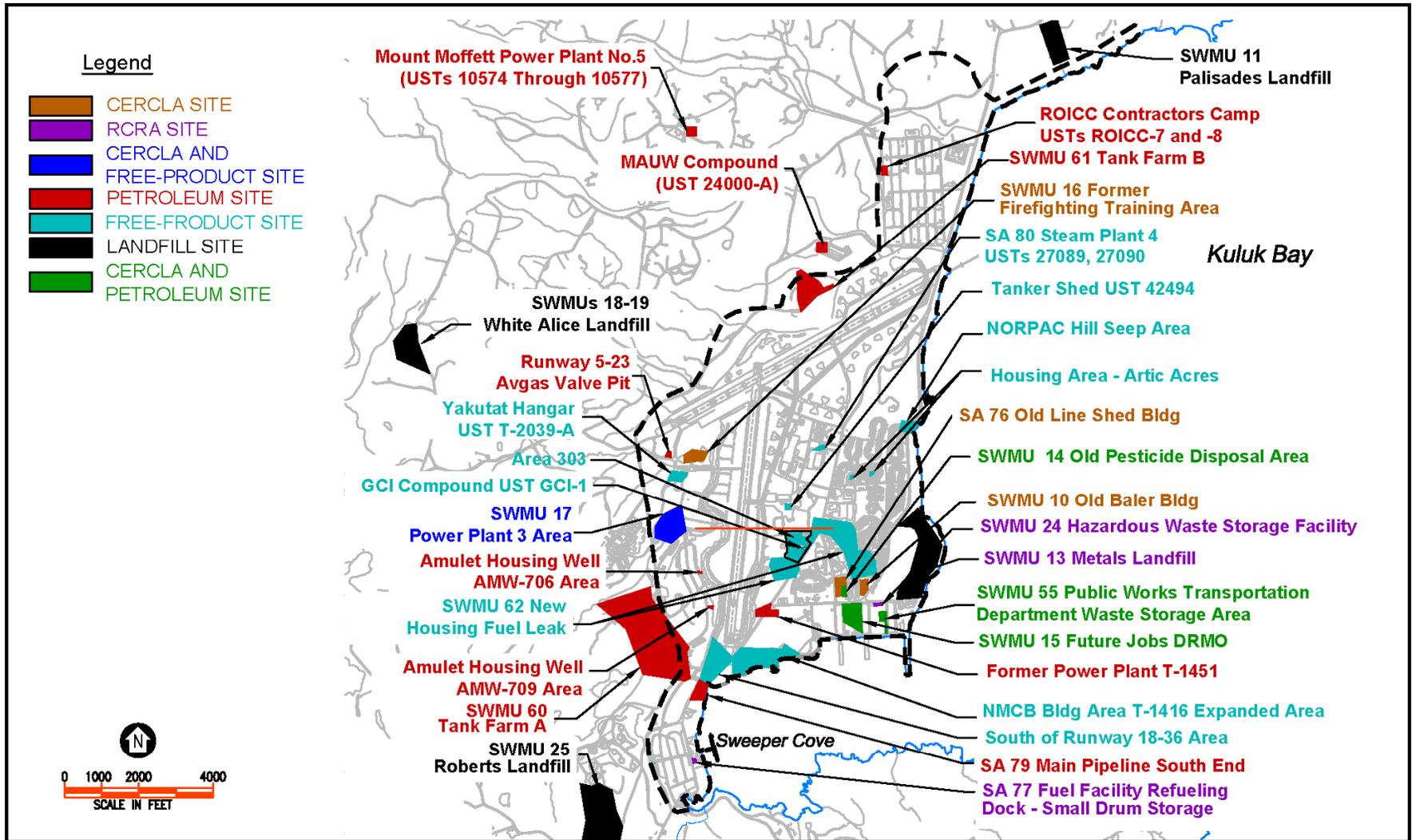
Figure 1-2 Location of Institutional Control Sites on Adak Island

U.S.NAVY

SEALASKA

Task Order 66
Adak Island, AK
2013 IC
Inspection Report

1-15



<p>U.S.NAVY</p>	<p>SEALASKA</p>	<p>Figure 1-3 Location of Institutional Control Sites in the Downtown Area, Adak Island</p>	<p>Task Order 66 Adak Island, AK 2013 IC Inspection Report</p>
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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 August 30 to September 5, 2013, in accordance with CMP, Revision 5 (Navy 2012a). 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 1-2 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 August 31, 2013 inspection, no changes to the site were observed compared to the 2012 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 August 31, 2013, no changes to the site were observed compared to the 2012 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 immediate 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. During the inspection on August 31, 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 that was observed in the past but sheen was observed on the puddled water.



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

As observed in 2012, the aboveground storage tank (AST), and 55-gallon drums of fuel (not associated with Navy activities) located south of the site and near well MW15-424 is offsite. The pile of gravel fill covered by poly-sheeting observed last year remains onsite (Figure 2-1). The oily stained soil observed at this location during the 2011 inspections was not observed during the 2013 inspection (Photograph 2-4).

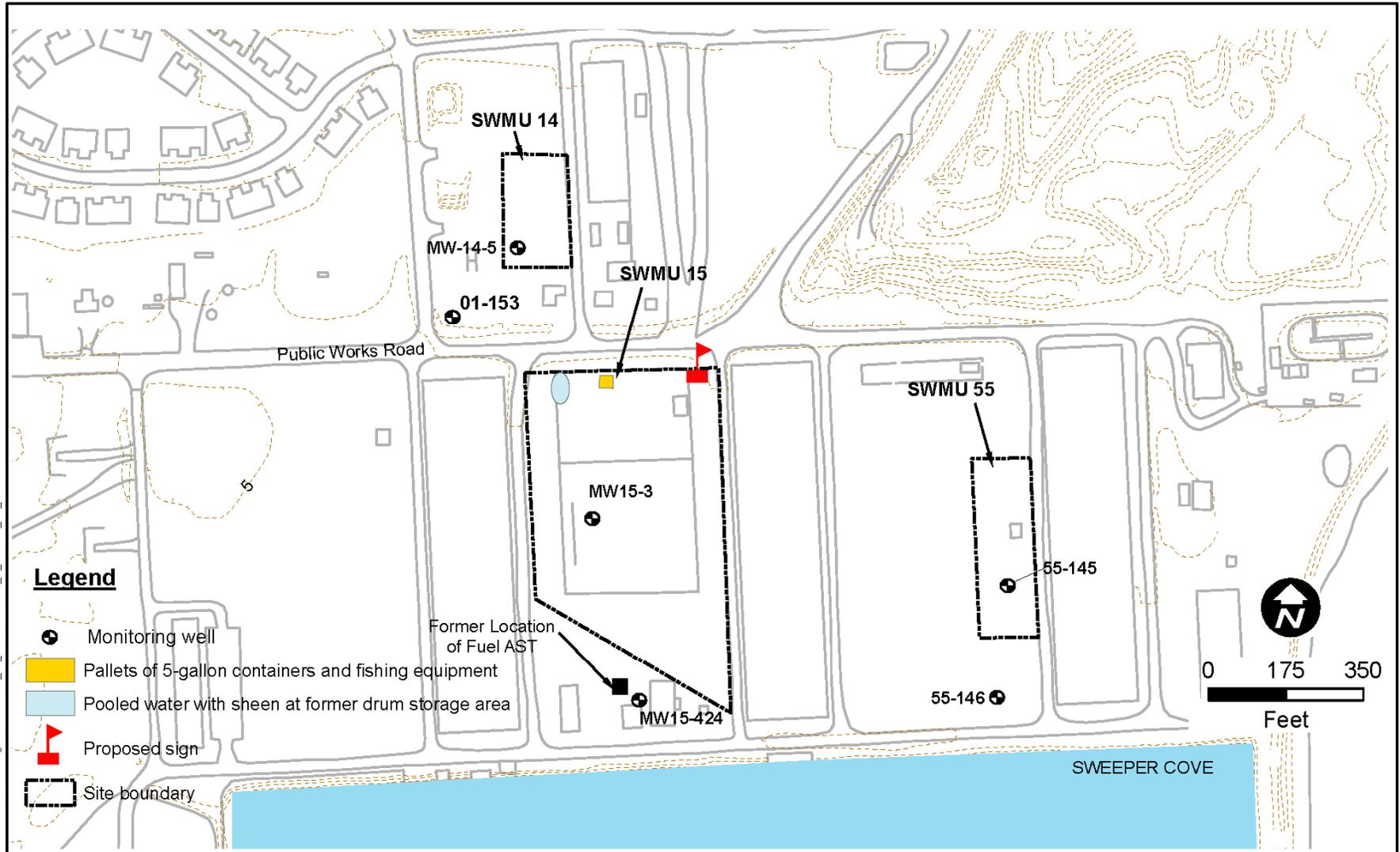


Photograph 2-4. SWMU 15, Future Jobs/Defense Reutilization Marketing Office - looking southwest where the AST, drums and stained soil was located south of site during the 2011 inspection.

Approximately 15 containers of various size (5-gallons to 15-gallons) of paint and oil were observed stored on pallets on the north side of the site along the fence (Figure 2-1). Fishing equipment was also observed stored at this location. 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

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<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="center">Task Order 66 Adak Island, AK 2013 IC Inspection Report</p>
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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 PCB Aroclor 1260 in groundwater.

During the August 30, 2013 inspection, no changes to the site were observed compared to the 2012 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 are located within a concrete secondary containment that 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 south at the transformer stored east side of Building 10203. Monitoring well 05-735 in background.

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

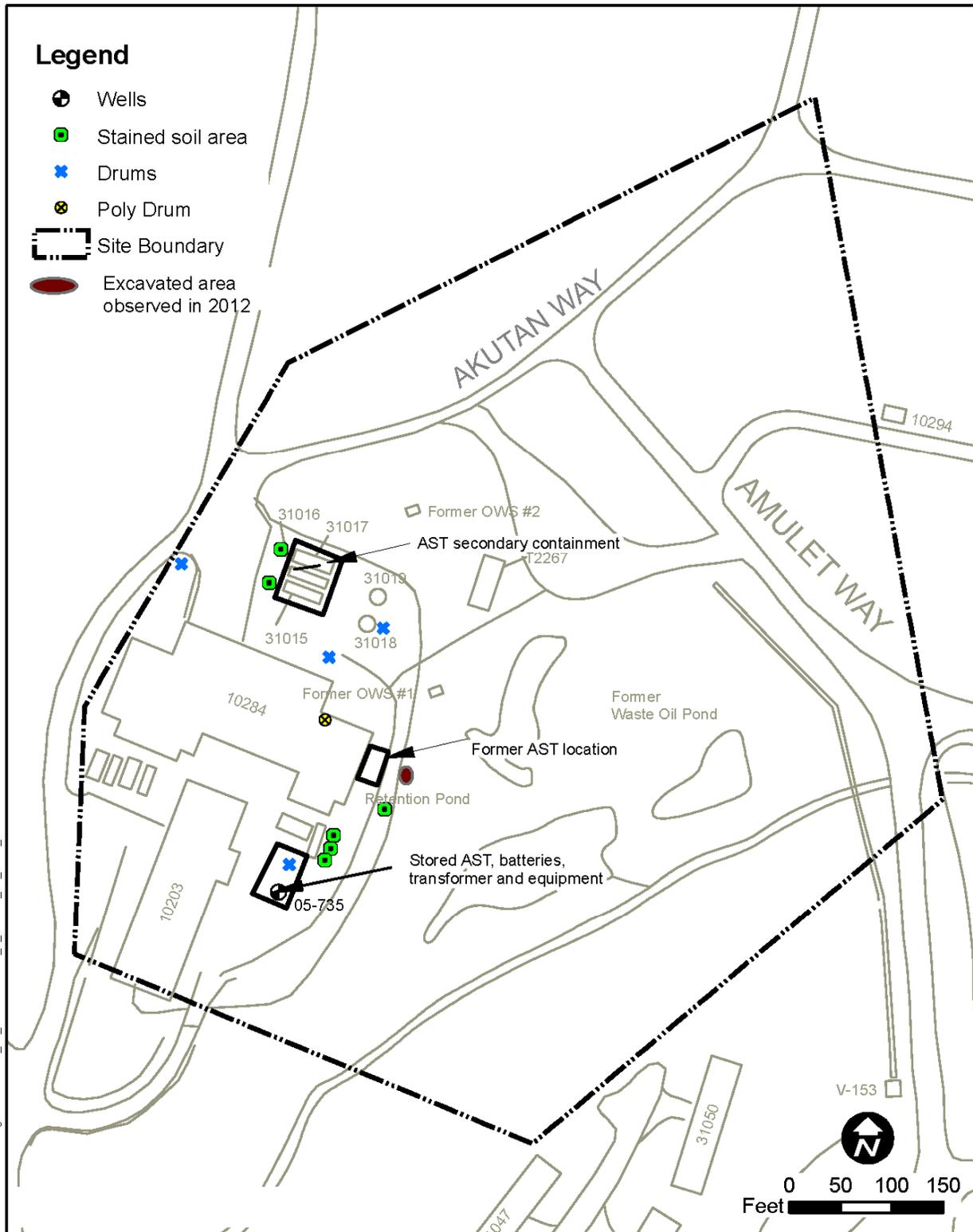
the east side of the building, and ADEC notified the City to address this issue. The waste oil tank was removed in 2010. The stained area observed beneath the tank in 2009 and 2010 appeared during the 2011 inspection to be covered by clean gravel, and a small soil-stained area (2 feet by 6 feet) was observed in the gravel cover. During the September 3, 2013 inspection, the staining was not observed and only clean gravel was present. The excavated area 15 feet by 10 feet by five feet deep observed in 2012 along the east side of building 10284 across the roadway from the former AST location is still present (Figure 2-2). This excavation was performed in 2012 by the City as an emergency action to address a water main break. As noted in the 2012 IC Inspection report, an excavation permit was not submitted for the excavation and the Plant Operator was notified of the violation in 2012 as a corrective action. No new excavation was observed at this site in 2013.

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 2013 only two small stained soil areas (less than 3 feet in diameter total), were observed. The crushed drums and nine large transformers observed in the AST secondary containment in 2012 were removed from site and disposed. A power plant employee reported that the transformers were drained of oil prior to being removed off site and the oil was given to the fuels facility to be recycled. One transformer remains onsite and the employee reported that it will also be disposed of in a similar fashion (Photograph 2-6, Figure 2-2).

All of the crushed 55-gallon drums on pallets previously observed along the east side of building 10203 were no longer present in 2013. Three small stained areas (largest 4 feet in diameter) were observed in the fenced area where the drums were stored in 2011. One small oil-stain area three feet in diameter was observed in the roadway northeast of the former drum storage area. The yard on the east side of building 10203 is being used to store equipment, the gray AST formerly located on the west side of the building, and the remaining transformer. Several drums were observed scattered around the site (Figure 2-2).

A leaking drum was observed near monitoring well 05-735. The city was notified of the drum and in October 2013, it was observed that the City had removed the drum.

No other changes to the site were observed compared to the 2012 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 and it is recommended the owners are notified to remove the on-site wastes, address the areas of actual or potential spills and improve housekeeping practices. It is further recommended that the City be notified that the open excavation observed at the site be filled in.



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U.S. NAVY	SEALASKA	<p align="center">Figure 2-2 SWMU 17, Power Plant 3 Area</p>	<p align="center">Task Order 66 Adak Island, AK 2013 IC Inspection Report</p>
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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 south 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, as the property was transferred to TAC in 2004. At that time, all Navy waste materials were disposed offsite. PCE in groundwater is identified in the OU A ROD as the only COPC.

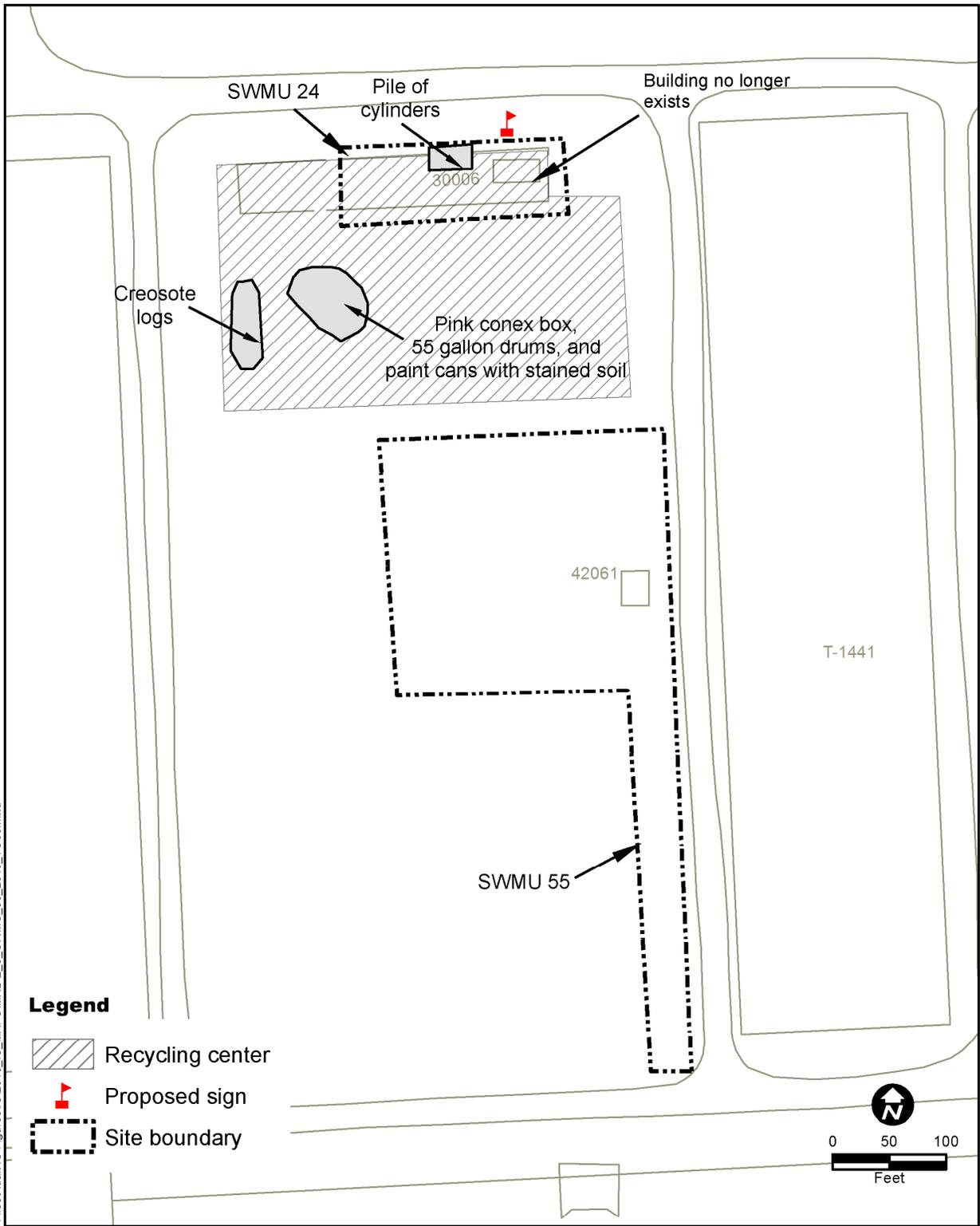
After the property was transferred to TAC, the site was used for vehicle and equipment storage. New oil, hydraulic and transmission fluids, and other vehicle-care products were also stored at the site. In 2010 the community began using the area as a “Recycling Center” at which large quantities of wooden and metal debris, appliances and various other materials were observed to be loosely segregated and piled on the ground. During the August 31, 2013 inspection, the area was no longer being used as a “Recycling Center” (Photograph 2-7). Large amounts of the materials and debris observed in previous years have since been removed and little remains onsite. The majority of materials stored onsite have been moved to the Contractors Camp Area.



Photograph 2-8. SWMU 55, Public Works Transportation Department Waste Storage Area - looking at conex box, poly containers with rusted paint cans, ponded water, and debris

Several drums, poly boxes full of rusty paint cans, creosote logs and cylinders (propane, fire extinguishers, etc.) remain onsite. 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 previous inspections (Photograph 2-8, Figure 2-3). The pink conex 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.

No evidence of excavation was noted during the inspection. 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 in the past, 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. However, landowners have been notified in the past by both the Navy and ADEC that they should improve housekeeping practices and the volume of wastes stored onsite have diminished significantly since to 2012. Therefore, further notification to landowners is not necessary and it is recommended that the housekeeping of the site continue to be monitored.



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<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</p>	<p>Task Order 66 Adak Island, AK 2013 IC Inspection Report</p>
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2.2.7 SA 76, Old Line Shed Building



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

Source area (SA) 76, approximately 1.34 acres, is a rectangular open area with a concrete foundation pad surrounded by gravel and vegetation (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 August 31, 2013, 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 2012 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 northwest 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 2013 sampling event results.



Photograph 2-11. Kuluk Bay – looking north

The ICs required for the Downtown Area water bodies, Sweeper Cove and Kuluk Bay, (see Table 1-2) 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 CMP, Revision 5 (Navy 2012a) to evaluate the effectiveness of the fish advisory fact sheet. The survey asked whether the participant was aware that fish advisories existed. All 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 1-2. 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 August 30, 2013. The 2013 inspection found no indications of a change in land use in this area. Vehicle tracks were observed on several areas of the site and the tracks 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 for the site (Table 1-2). 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.



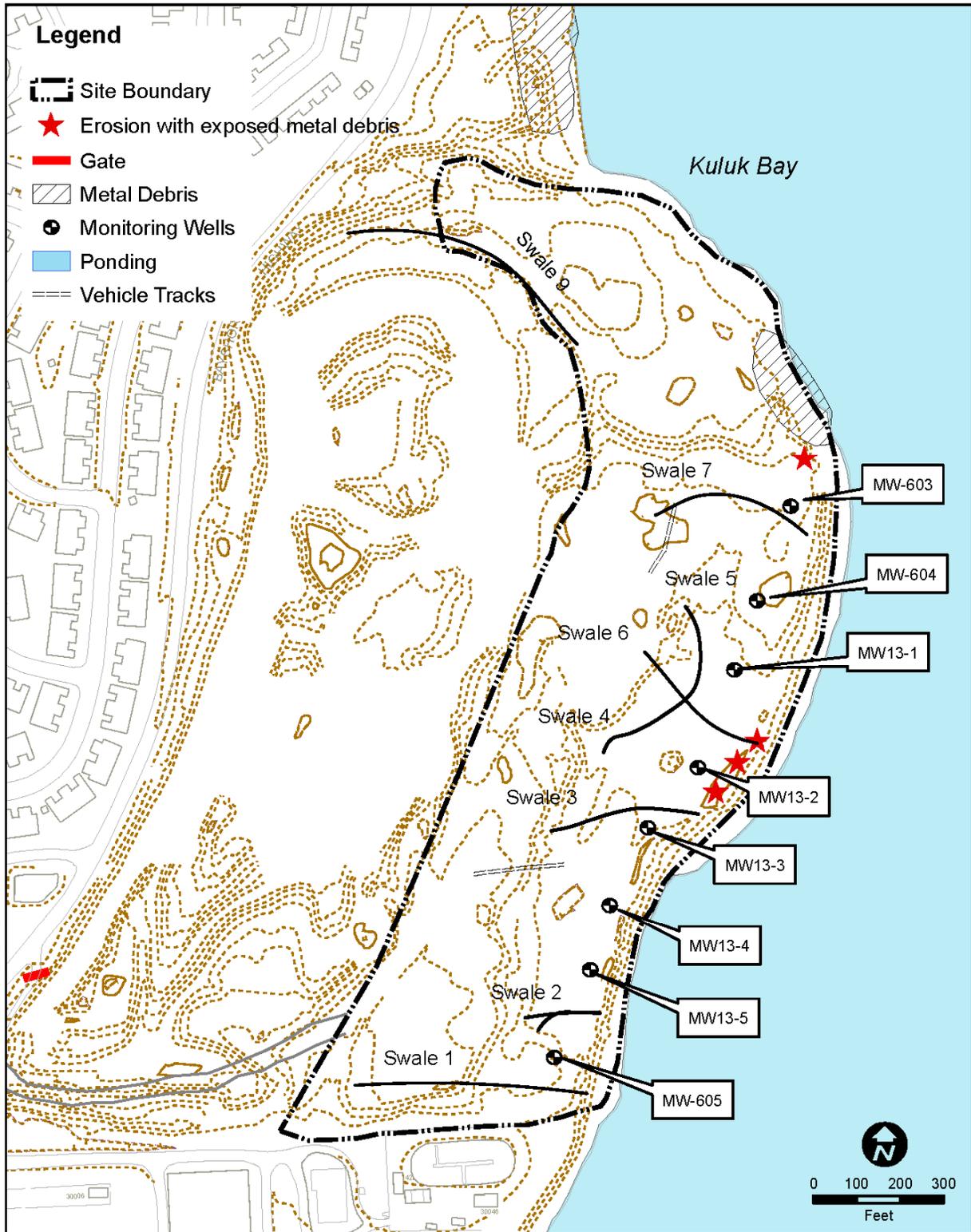
Photograph 2-13. SWMU 13, Metals Landfill – looking east at erosion and damaged Swale 6

Due to recent heavy rains ponding and saturated soil was observed throughout the site. One area 2 to 3 inches deep and 20 feet by 5 feet was observed on the lower bench and one 45 feet by 10 feet was observed on the upper bench on the southern portion of the landfill (Figure 2-4). Areas of sparse vegetation were observed associated with the ponding.

Four areas of erosion with exposed metal debris were noted during the inspection and are shown in Figure 2-4. The first area is just north of the end of Swale 3. The area begins at the top of the armor wall and continues downward 50 feet and is 40 feet wide at the top of the slope. It is located south of well MW13-2. The second area is a smaller, 8 feet by 10 feet eroded area with scattered metal debris exposed, located north of MW13-2 and south of Swale 6 at the top of the armor wall. The third area was also observed in 2012, and is located north of monitoring well 13-2 and at the end of Swale 6 – the damage is near the top of the armor wall. The eroded area is evident with the swale liner exposed and torn and is the same area as seen in 2012, approximately 10 feet in diameter with some metal debris in the area. The fourth area is located north of MW-603, and was also noted in 2012 – however, its location is more accurately noted further north than on the 2012 maps. It was observed to be approximately 10 feet by 15 feet in size with a 2 to 3 foot channel along the top of the armor wall near a formerly repaired area. Additional site photos of these areas are presented in Appendix D.

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 four eroded areas along the armor wall are recommended for repair.

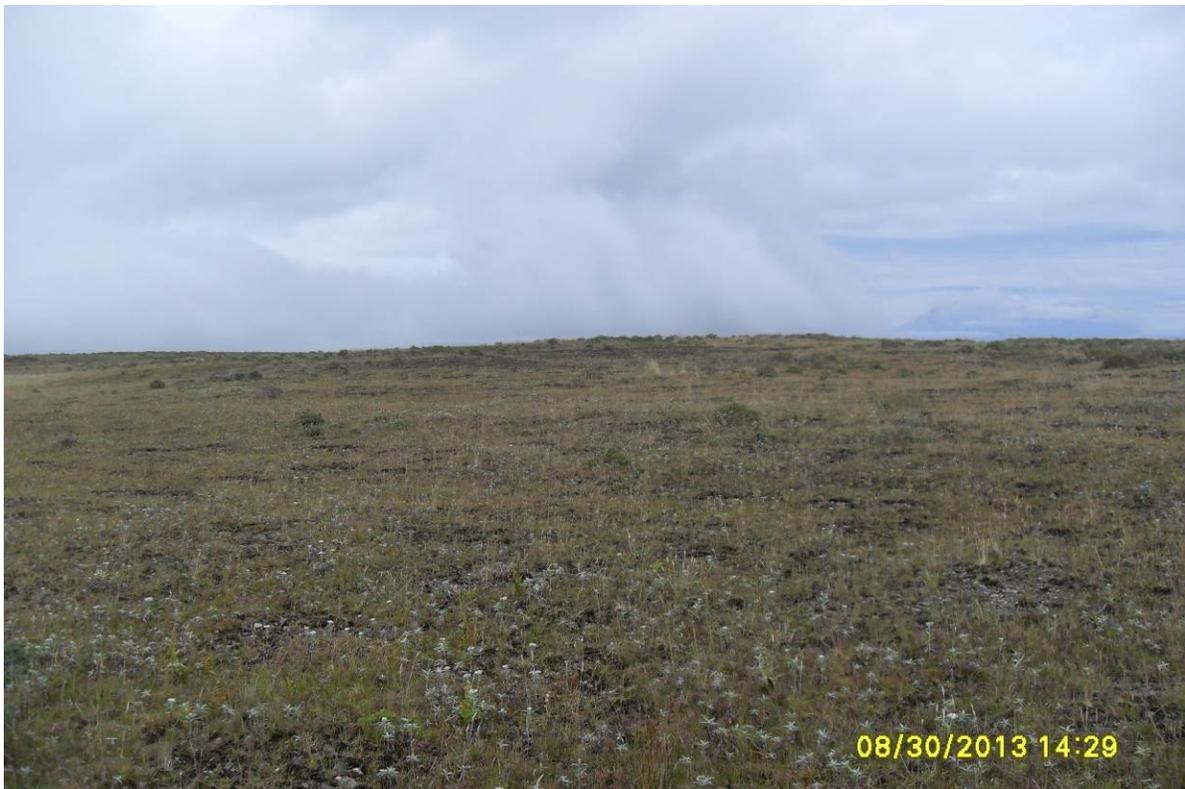


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<p>U.S. NAVY SEALASKA</p>	<p align="center">Figure 2-4 SWMU 13, Metals Landfill</p>	<p>Task Order 66 Adak Island, AK 2013 IC Inspection Report</p>
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2.3.2 SWMU 25, Roberts Landfill

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 August 30, 2013 inspection. In general, the remainder of the vegetative cap appears adequate.



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

Four areas of erosion along the western perimeter fence which were repaired in 2010 appeared to be stable and showed no further erosion during the August 30, 2013 site inspection. The area of erosion observed in 2012 in the southwestern portion of the site near the end of a swale was observed again in during the 2013 inspection. 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 truck tracks observed in 2012 on the southern portion of the cap were not visible in 2013. 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. As observed in 2012, the gate was not able to close because the locking bars would not align and need to be repaired. One sign on the western perimeter is faded and needs to be replaced. The three asbestos signs located on the buried asbestos bunkers located west across the road from the landfill are faded and need to be replaced. These asbestos bunkers are not part of the landfill and are shown on Figure 2-5. Thirteen sections of fence along the western perimeter and are in need of replacement or repair. Fourteen 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 six along the south perimeter fence are also in need of 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 down gradient 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 2013 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. Total aluminum and copper exceeded the endpoint criteria in this surface water sample but respective dissolved concentrations did not. Recommendations to continue to collect surface water sample at this location are presented in the 2013 Annual Long-Term Monitoring Report.

The pond located on the southern portion of the landfill near the gates that was observed during the 2009 through 2012 inspections was still present during the August 30, 2013 site inspection. The pond footprint is approximately 70 feet in diameter and water levels were lower compared to 2012. As previously determined, the pond is not thought to be located on

the landfill cap or impacting its integrity. A small ponded hole was observed at the southeast end of the site near monitoring well B-1. The hole is about 5 feet by 5 feet and is not located on the landfill cap and not impacting the integrity of the cap. A ponded area was observed at the south end of the site at the end of a swale along Happy Valley Road (Figure 2-5) and may be caused by a blocked culvert. An area of ponded water was observed south of the pond located on the southern portion of the landfill near the gates approximately 5 feet wide and 15 feet long.

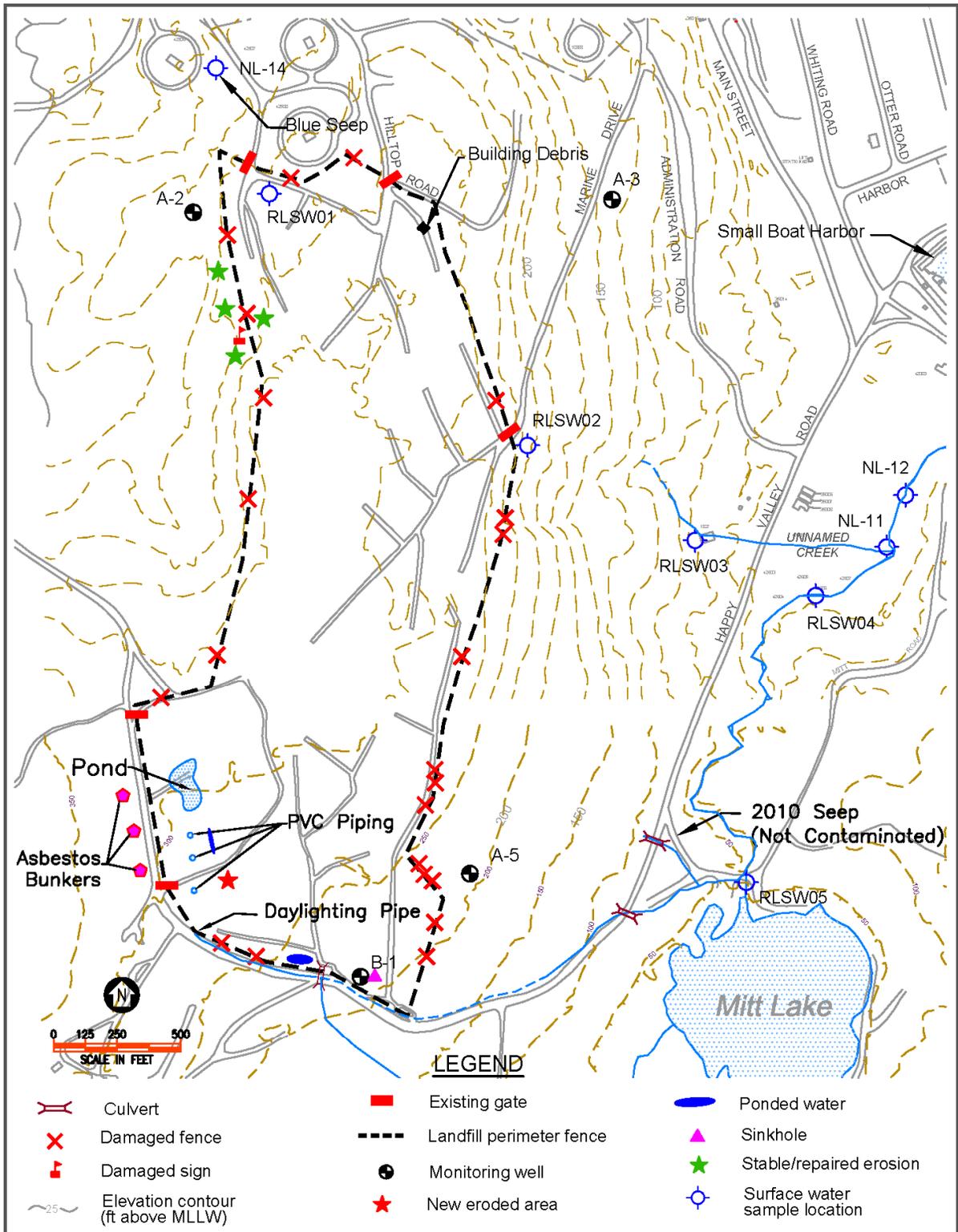


Photograph 2-17. SWMU 25, Roberts Landfill – looking northeast at the pond

During the August 30, 2013 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 the four small eroded and repaired areas along the western fence line for future threat to the landfill cap.
- Repair the 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 2014 to determine if contaminants are migrating from the landfill. Take appropriate actions as determined by ADEC, EPA and the Navy if needed. (pending results)
- Repair the perimeter fence and replace the perimeter sign.
- Replace the three asbestos warning signs located on the buried bunkers west across the road from the landfill. These bunkers are not part of 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.
- The sinkhole located near monitoring well B-1 is not located on the landfill cap or impacting the integrity of the cap but will continue to be monitored.



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<p>U.S.NAVY SEALASKA</p>	<p align="center">Figure 2-5 SWMU 25, Roberts Landfill</p>	<p align="right"> Task Order 66 Adak Island, AK 2013 IC Inspection Report </p>
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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 August 31, 2013 inspection, much less debris was observed in and around the Recycling Center than was observed during the previous inspections. Large amounts of the materials and debris observed in previous years have since been removed and little remains onsite. The majority of materials stored onsite have been moved to another part of the island.

Several drums, poly boxes full of rusty paint cans, creosote logs and cylinders (propane, fire extinguishers, etc.) remain onsite. 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 previous inspections (Photograph 2-8, Figure 2-3). The pink conex 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.

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 and in the past, 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 housekeeping of the site continue to be monitored.



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

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

The SA 77, Fuels Facility Refueling Dock, 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, Fuels Facility Refueling Dock, 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 August 30, 2013, no changes to the site were observed compared to the 2012 inspection results. The site is currently being used for a commercial purpose, which is allowed under CMP, Revision 5 (Navy 2012a). 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. 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 monitoring.

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 monitoring 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 August 30, 2013, no changes to the site were observed compared to the 2012 inspection results. The site is currently not being used. 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 1-2). During the August 30, 2013 inspection, no changes to the site were observed compared to the 2012 inspection results. The site is currently not being used. No indications of 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 southwest

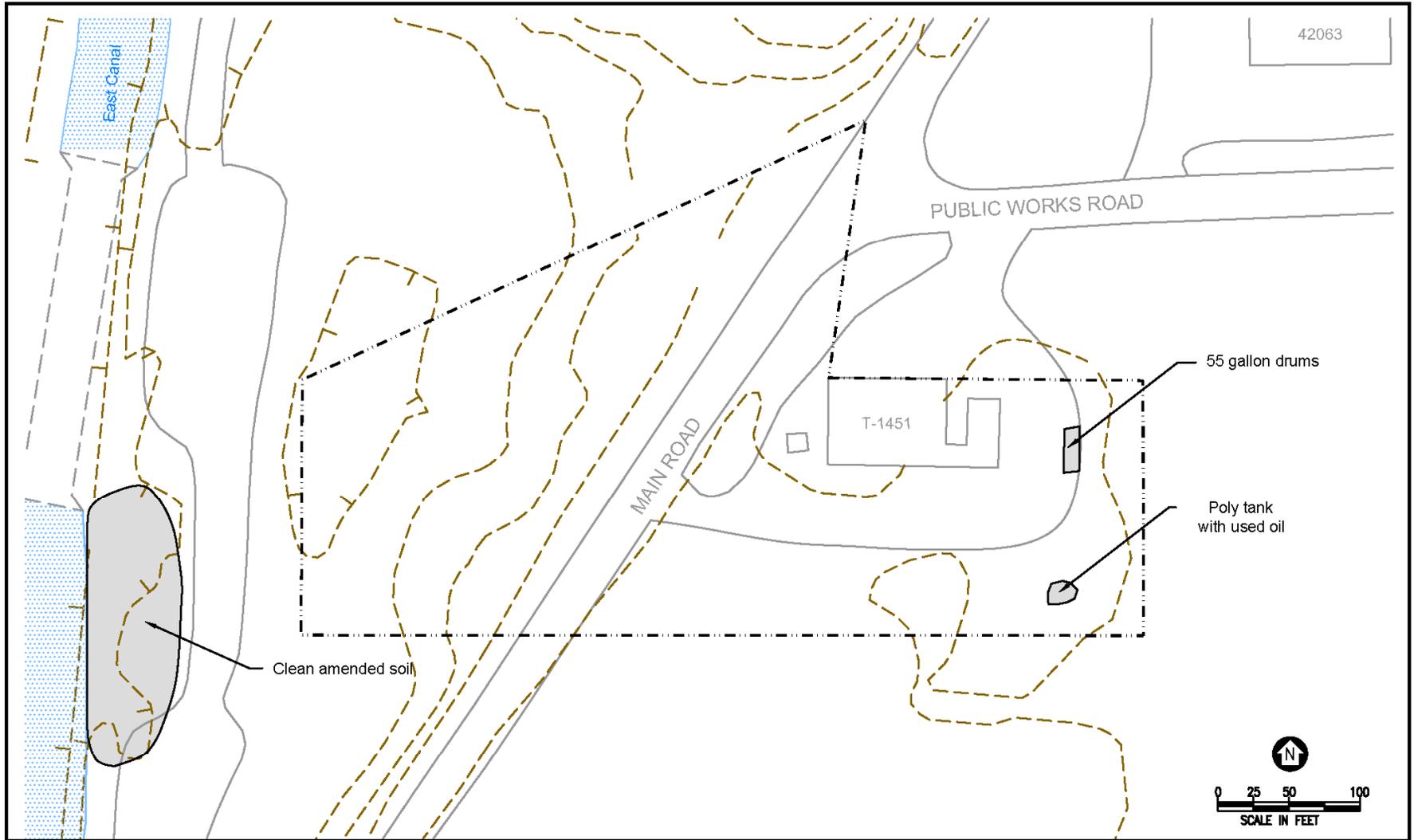
The main power plant building originally measured 62 feet by 79 feet and the site is approximately 3.23 acres. Sometime after 1986, the power plant building was expanded and converted to other uses. A 2,000-gallon JP-5 AST with an impoundment dike was constructed 30 feet southwest of the building. The 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 3, 2013, the site was being used as the City maintenance shop with numerous vehicles stored on the site which is allowed under CMP, Revision 5 (Navy 2012a). Several 55- gallon drums and various sized ASTs were observed onsite some drums were labeled used oil and non-hazardous waste with Icycle Seafoods listed as the contact (Figure 2-6, Photograph 2-22). A 250-gallon poly tank half-filled with oil was observed on the southeast side of the site without a lid or secondary containment (Figure 2-6). The Navy notified the City and in October 2013, it was observed that a piece of Plexiglas had been attached to the top of the poly tank as a lid. 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. Therefore, all other

ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater. It is recommended that the land users be notified poor housekeeping practices should be corrected (i.e. proper storage of 55-gallon drums).

The Navy conducted remedial actions in July 2012 at the East Canal shoreline west of the property (Figure 2-6). 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.

2-36



U.S.NAVY	SEALASKA	Figure 2-6 Former Power Plant Building T-1451	Task Order 66 Adak Island, AK 2013 IC Inspection Report
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PLOT/UPDATE: JAN 22, 2014

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 building foundation 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 August 31, 2013 no changes to the site were observed compared to the 2012 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 August 30, 2013 inspection, no changes to the site were observed compared to the 2012 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. SWMU 60 is 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 August 30, 2013 inspection, no changes to the site were observed compared to the 2012 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 remnants of

the truck fueling platform (Photograph 2-26). The site is approximately 200 feet south of Yakutat Creek and 900 feet west of South Sweeper Creek.



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

The fuel pipeline and seismic cable that were observed in 2011 were again observed during the August 30, 2013 inspection to be in operational use at this location, which is allowed under CMP, Revision 5 (Navy 2012a). 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 was observed at the site. Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

2.5.1.8 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 site. 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 August 31, 2012, no changes to the site were observed compared to the 2012 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 north

The housing units remain uninhabited, and the site is currently not being used. No excavations were observed at the site during the August 31, 2013 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 southwest

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 August 31, 2013, no changes to the site were observed compared to the 2012 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 Area 303

Area 303 is located between the air terminal and Main Road. It is bounded by Airport Road to the north and an unnamed dirt road to the south, Area 303 occupies approximately 23.8 acres that include disturbed commercial-industrial areas and open grass-covered areas (Figure 2-7). The former line crew building (Building T-2776) located along Airport Road and the GCI compound located along Main Road are on the site. GRO contamination was identified at the site in 2002. The source of the contamination originated from an 8-inch avgas pipeline located just east of Main Road. The 2012 Decision Document assigned a remedy of free-product recovery and monitored natural attenuation to the site.



Photograph 2-30. Area 303 Poly over pack drums and rusted 55-gallon drums stored onsite – looking south

During the August 31, 2013 inspection, building T-2776 was being used by the city for emergency vehicle storage. Two 55-gallon drums were observed stored in secondary containment on the west side of the building and six poly over pack drums and two rusty 55-gallon drums were observed on the north side of the building. The drums were not labeled at the time of the inspection. No residential construction had occurred at the IC restricted area. No indications that groundwater use was occurring or excavation activities were observed at this site. One excavation restriction sign is located in the airport parking lot. Therefore, ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater.

2.5.2.3 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 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.

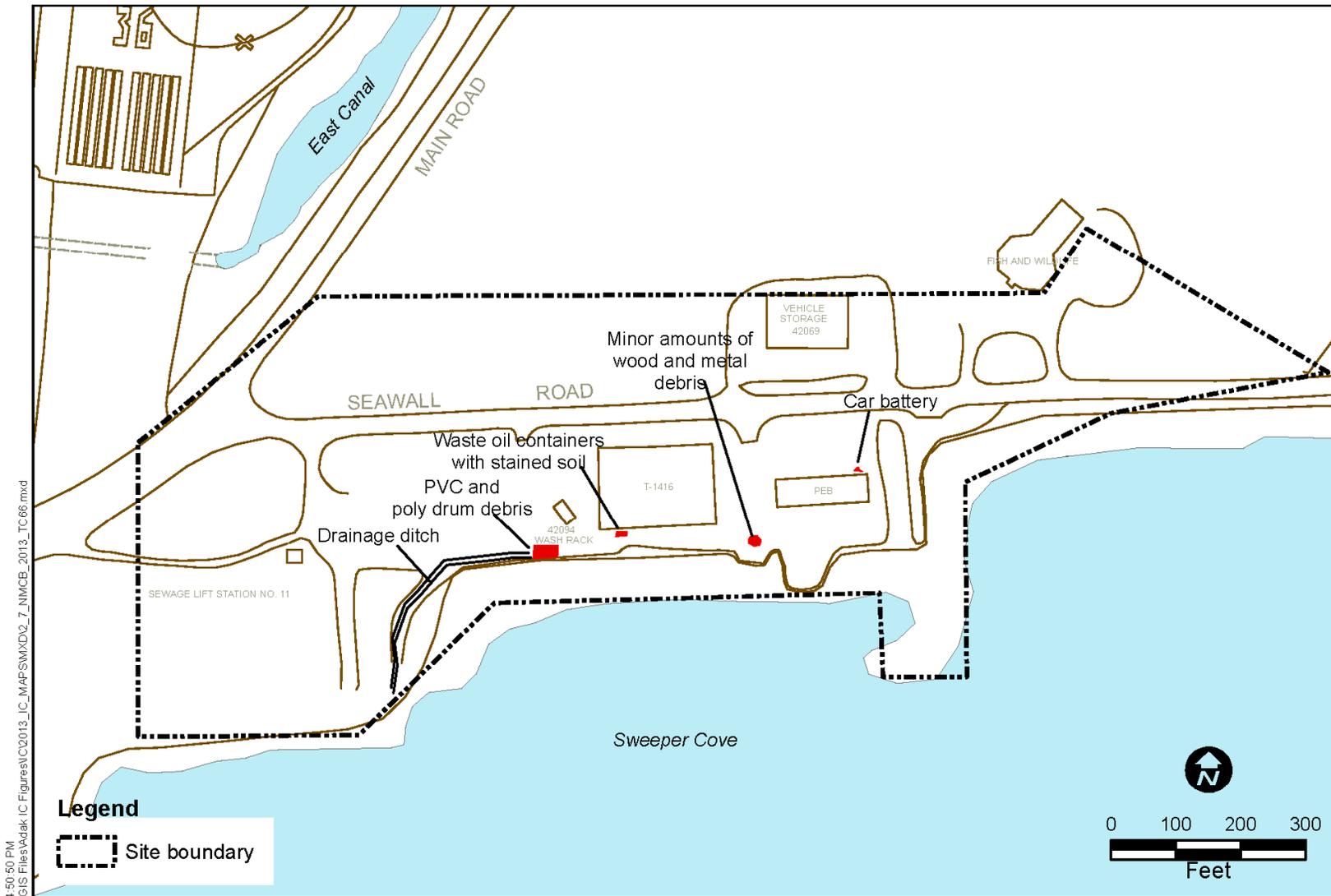
Two storage buildings are located at the site. These buildings are currently being used for commercial purposes and equipment storage. During the inspection on September 3, 2013, no indications that groundwater was being used were found at this site. No residential construction has occurred at the site. Excavation restriction signs are clearly visible. No indications of a change in land use in this area were found compared to last year.

A drainage ditch was observed along the south side of the site (Photograph 2-30). The drainage ditch was installed when tidal flooding occurred on site to help drain water off site. The ditch is less than 2 feet deep, therefore a permit with the Navy was not required. The rock debris observed during previous inspections stored on the south side and between the two buildings has been removed. Minor amounts of wood and metal remain and scrape marks from a front end loader were observed. Five non-Navy poly drums, were observed to be located in the same place on the south side of the west building and appeared to contain oil. An approximately 5-foot-diameter area of oil-stained soil was still present under the drums. The portable, 150-gallon gasoline tank located on the west side of the east building in a lined, bermed area is no longer on site. One car battery remains on the northeast corner of the east building (Figure 2-8). Because these poor housekeeping practices may be contributing to groundwater contamination and because housekeeping practices have not improved since 2012, it is recommended that the owners again be notified to remove the on-site wastes, address the areas of actual or potential spills and improve housekeeping practices.



Photograph 2-31. NMCB Building Area – looking west toward drainage ditch along south side of site.

2-48



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U.S. NAVY	SEALASKA	Figure 2-8 NMCB Expanded Area	Task Order 66 Adak Island, AK 2013 IC Inspection Report
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2.5.2.4 NORPAC Hill Seep Area



Photograph 2-32. 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 August 31, 2013, no changes to the site were observed compared to the 2012 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.

2.5.2.5 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 which 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 2-33. SA 80, Steam Plant 4 – looking south

The final remedy for SA 80 is monitored natural attenuation and ICs. During the inspection on August 31, 2013, no changes to the site were observed compared to the 2012 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.

2.5.2.6 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 2-34). 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 2-34. SWMU 62, New Housing Fuel Leak – Housing area and sign looking southeast

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 August 31, 2013 inspection, the excavated area observed in 2012 in front of housing unit 140D was still visible but had some vegetation growth.

No changes to the site were observed compared to the 2012 inspection results. No excavations 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. All other ICs appear to be functioning as intended.

2.5.2.7 South of Runway 18-36 Area



Photograph 2-35. South of Runway 18-36 - looking northeast from south end of Runway 18-36 at yellow recovery trench wells and sign

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.

During the inspections on August 31, 2013, no changes to the site were observed compared to the 2012 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.

2.5.2.8 Tanker Shed, UST 42494



Photograph 2-36. Tanker Shed UST 42494 – looking south and sampling crew

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 August 31, 2013, no changes to the site were observed compared to the 2012 inspection results. The abandoned remediation system observed on site which contains two 55-gallon drums and hoses in a poly container 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.

2.5.2.9 Yakutat Hangar, UST T-2039-A



Photograph 2-37. 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 August 30, 2013, no changes to the site were observed compared to the 2012 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 1-2 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-impacted soils were also removed. Aroclor 1260 was identified in the OU A ROD as a COPC.

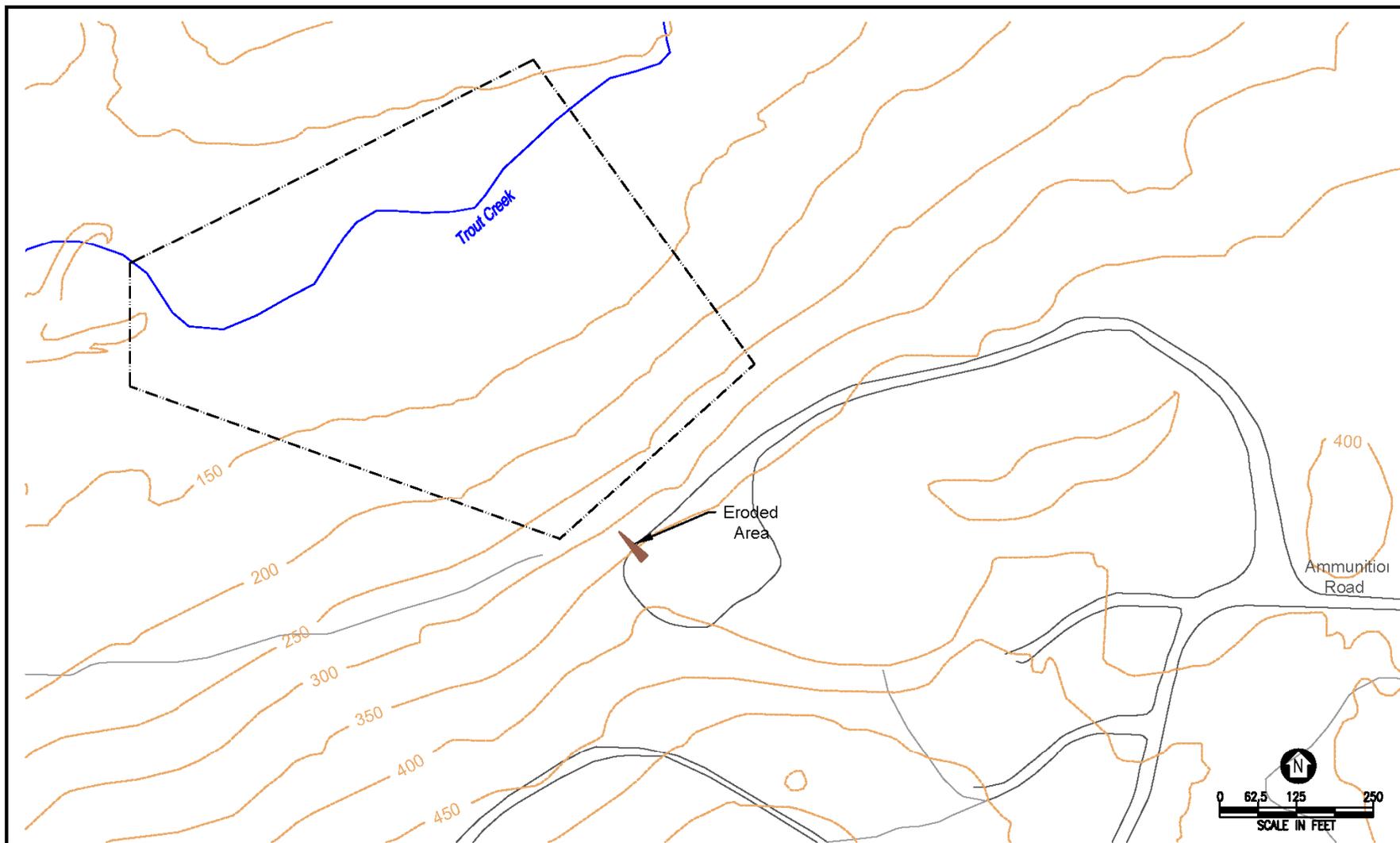


Photograph 3-1. SWMU 20, White Alice/Trout Creek Disposal Area – looking east towards site and eroded area

During the inspection on September 3, 2013, 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. The excavation restriction sign was clearly visible.

An eroded area approximately 60 feet long and 15 feet wide running down the cliff face was observed during the 2013 inspection (Photograph 3-1, Figure 3-1). ICs appear to be functioning as intended to protect human receptors from exposure to contaminated soil or groundwater. The eroded areas on the cliff face are recommended for repair.

3-4



U.S.NAVY	SEALASKA	Figure 3-1 SWMU 20 White Alice Trout Creek Disposal Area	Task Order 66 Adak Island, AK 2013 IC Inspection Report
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3.1.2 SWMU 21A, White Alice Upper Quarry



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

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-impacted 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 3, 2013, no changes to the site were observed compared to the 2012 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 August 30, 2013, no changes to the site were observed compared to the 2012 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 northeast

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 1, 2013, no changes to the site were observed compared to the 2012 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



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

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.

During the inspection on September 3, 2013, the cellular tower and building within a fenced area was observed on site (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

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 August 31, 2013, no changes to the site were observed compared to the 2012 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.



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

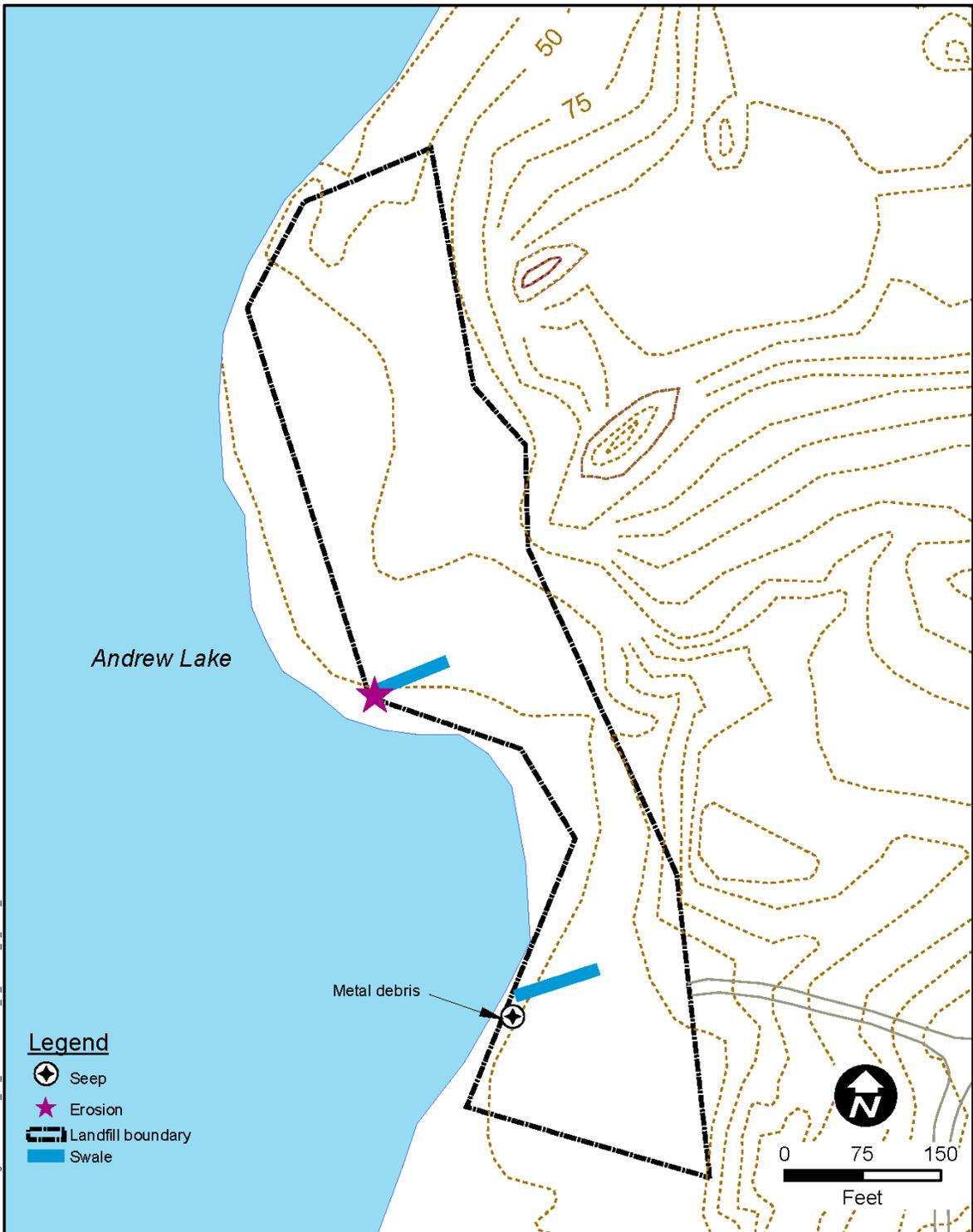
3.2.2 SWMU 4, South Davis Road Landfill

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 east at seep on the south end of landfill with some metal debris.

During the inspection on September 1, 2013, the erosion observed during previous inspections at the west end of the northern swale was still present (Figure 3-2). 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. During the 2013 inspection a seep was observed at the southeast end of the landfill approximately 20 feet south of the southern swale (Photograph 3-7). The seep is approximately 8 feet wide and was observed to be flowing 0.5 liters per minute. The water was clear with no odor. Metal debris was observed below the seep on the beach. 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.



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<p>U.S. NAVY SEALASKA</p>	<p align="center">Figure 3-2 SWMU 4, South Davis Road Landfill</p>	<p align="right">Task Order 66 Adak Island, AK 2013 IC Inspection Report</p>
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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.



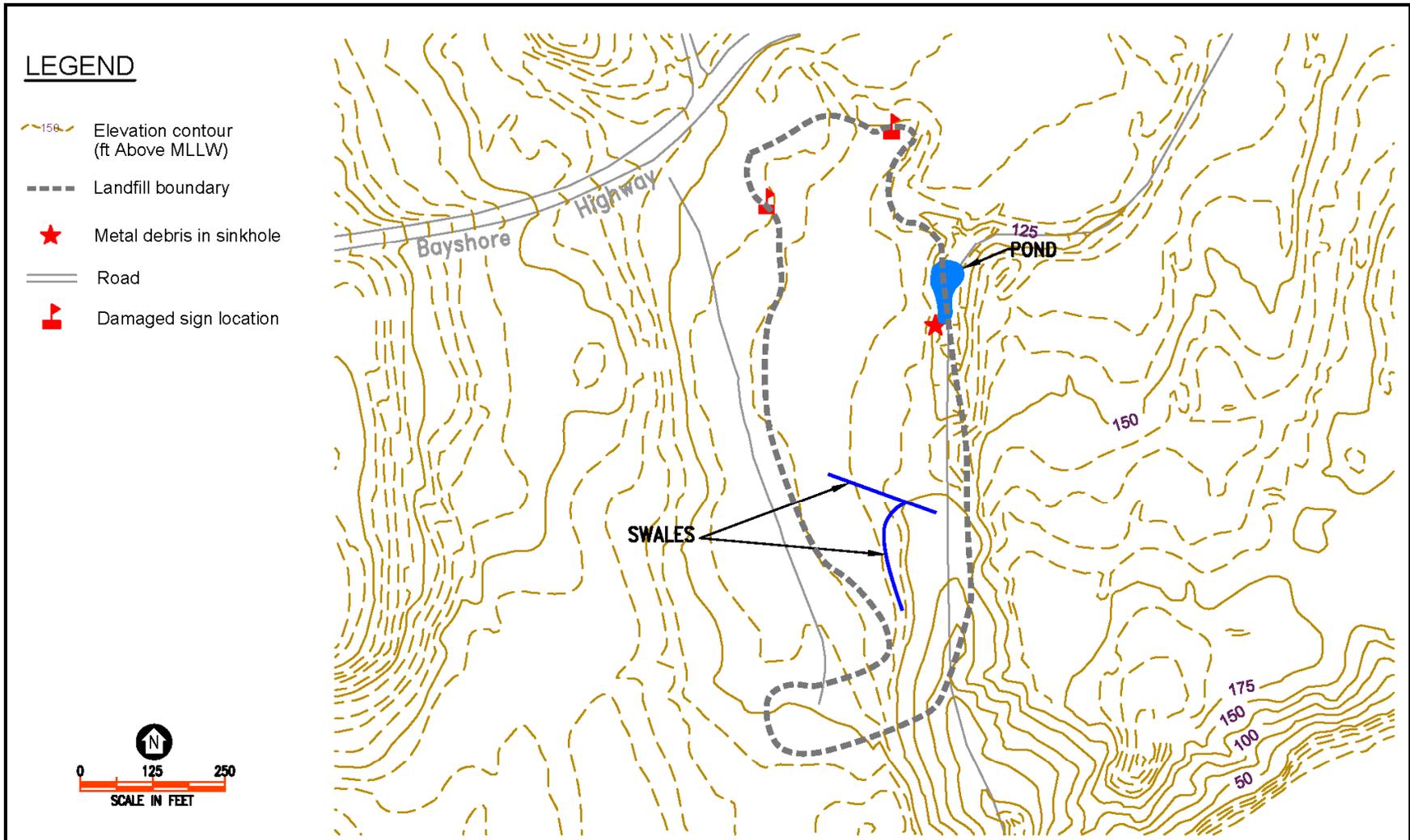
Photograph 3-8. SWMU 11, Palisades Landfill – looking south sinkhole with debris

The pond with metal debris located in the ravine on north central portion of landfill noted during previous inspections was observed during the 2013 inspection, but it was much smaller with lower water levels than observed last year. The pond was approximately 25 feet at its widest (Figure 3-3). Water was observed flowing into the previously noted sinkhole at the southern end of the pond but at a much lower rate than observed in 2012 (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, and again observed in 2012 contains wood and metal debris and has increased in size from the previous inspection. The sinkhole was observed to be approximately 15 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.

During the inspection on August 31, 2013 the sign northwest of the landfill was 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.

3-15



U.S.NAVY SEALASKA	Figure 3-3 SWMU 11, Palisades Landfill	Task Order 66 Adak Island, AK 2013 IC INSPECTION REPORT
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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 3, 2013, 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 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 2013 inspection which are described below and illustrated on Figure 3-4:

- Ponding observed during previous inspections 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 2013.
- A sparsely vegetated 50 feet by 100 feet area near the old building foundation on the south inside the fence that was previously observed was still present in 2013 and unchanged.
- 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 2012. 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 south at southern swale with exposed liner

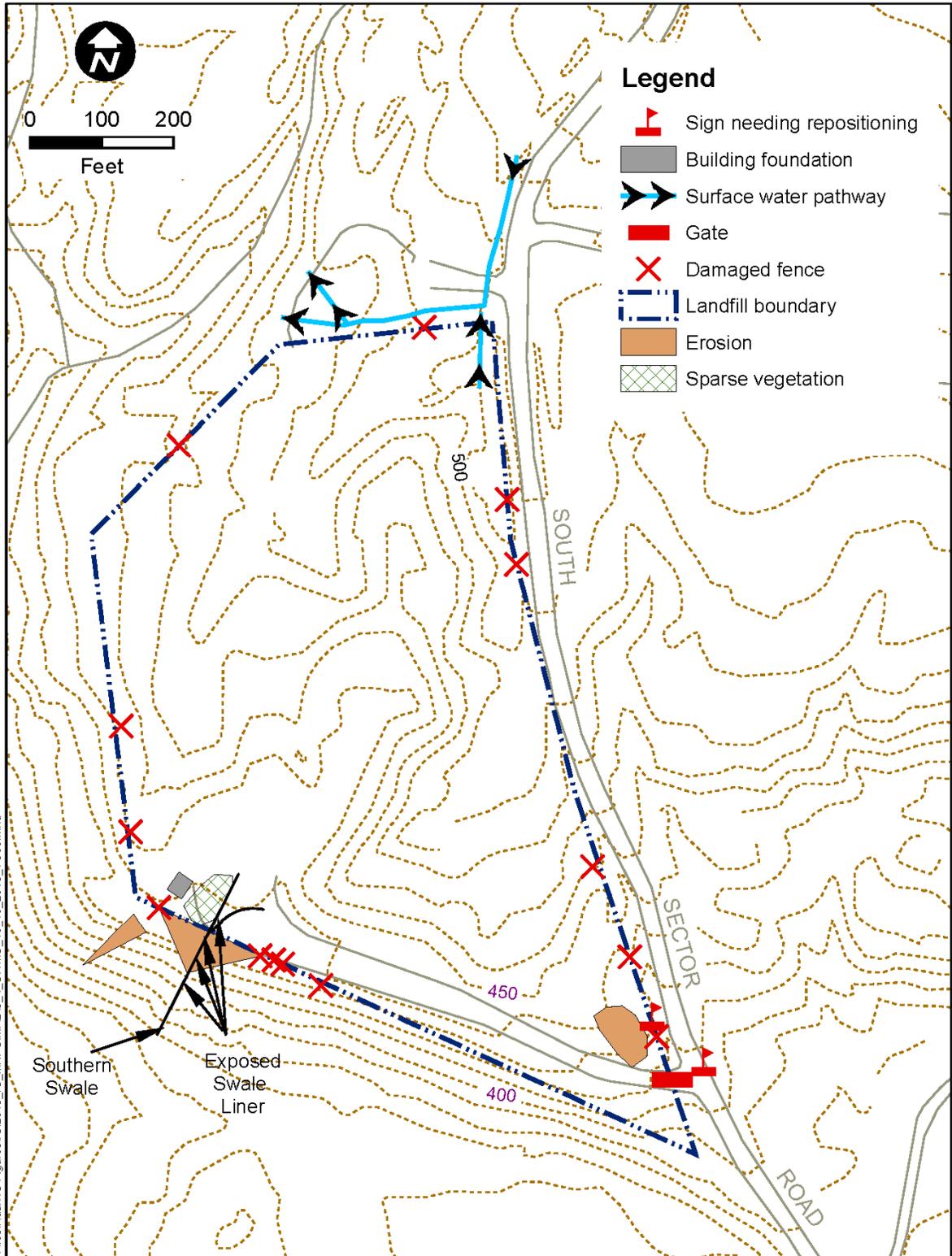
- The repaired and re-seeded eroded area on the southern boundary at the top of the swale appears to be stable but re-vegetation efforts have not been successful. The seeded area at the top of the swale outside of the fence is approximately 150 feet by 75 feet is still not vegetated and could be susceptible 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). A newly observed area of exposed liner was observed inside the landfill perimeter north of the southern boundary at the confluence of two swales (Photograph 3-10, Figure 3-4).
- 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.
- A total of 22 sections of fencing are in need of repair on the north, south, east and west perimeters.

Based on the 2013 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.



Photograph 3-10. SWMUs 18 and 19 White Alice Landfill – looking north at the newly observed swale liner area.



DEC 19, 2012
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U.S. NAVY	SEALASKA	Figure 3-4 SWMU 18/19, White Alice Landfill	Task Order 66 Adak Island, AK 2013 IC Inspection Report
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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 3-5). 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 August 30, 2013, 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 and ponding were observed across the site. The water levels in the ponds noted in 2013 were lower compared to the 2012 inspection. The pond observed on east side of the site high point in 2012 was observed to be approximately 4 feet by 20 feet in size during the 2013 inspection. The pond observed during previous inspections containing wood and metal debris which is located in the central section of the landfill was estimated to be approximately 30 feet by 15 feet in 2013 (Photograph 3-11). Small quantities of debris were noted on the surface of the landfill east of the high point (Figure 3-5). A hole was observed at the south end of the landfill approximately 4 feet by 2 feet.

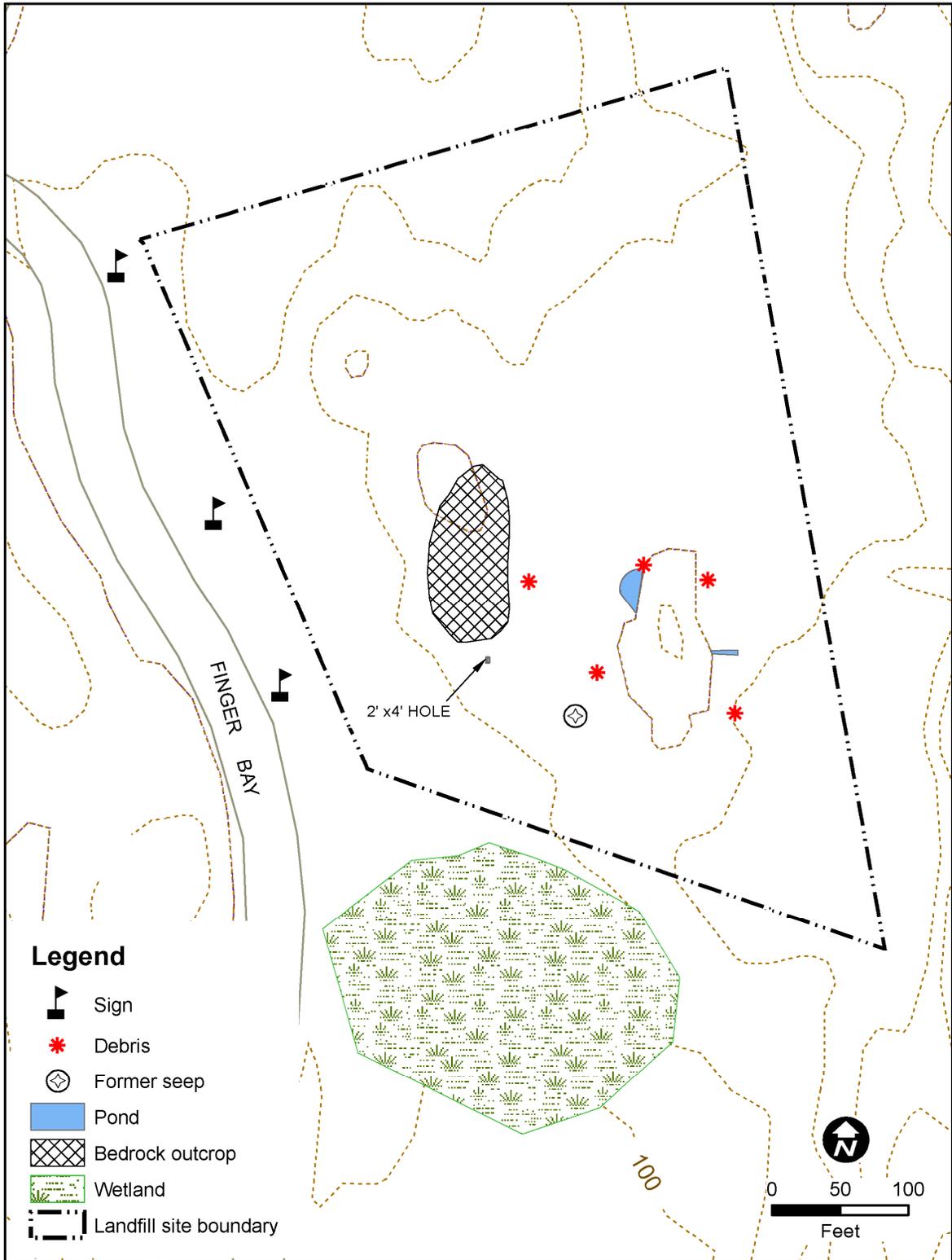


Photograph 3-12. SWMU 29, Finger Bay Landfill – looking southwest at the former seep location

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 2013. (Photograph 3-12).

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 and the hole at the south end of the landfill should be evaluated to determine if action is needed.



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U.S. NAVY	SEALASKA	<p align="center">Figure 3-5 SWMU 29, Finger Bay Landfill</p>	<p align="center">Task Order 66 Adak Island, AK 2013 IC Inspection Report</p>
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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. All sites have received conditional closure because MNA criteria have been met 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; SWMU 58/SA 73, Heating Plant 6; and SA 78, Old Transportation Building USTs .

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 (Photograph 3-13). 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. ADEC granted conditional closure for this site in 2010 since no continuous groundwater was found to exist onsite.



Photograph 3-13. Antenna Field – Site overview looking southeast

During the inspection on August 31, 2013, evidence of ground disturbance was observed due to the well decommissioning activities conducted by the Navy in spring of 2013. No permit was required since activities did not exceed 2 feet below ground surface. No other changes to the site were observed compared to the 2012 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. 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) remained 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, 2013, no changes to the site were observed compared to the 2012 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 August 30, 2013, no changes to the site were observed compared to the 2012 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 August 31, 2013, 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 August 31, 2013, 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 southeast at the sign and monitoring wells

During the inspection on August 31, 2013, evidence of ground disturbance was observed due to the well decommissioning activities conducted by the Navy in spring 2013. No permit was required since activities did not exceed 2 feet below ground surface. 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 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 August 31, 2013, 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 1, 2013, no changes to the site were observed compared to the 2012 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 northeast

During the August 31, 2013 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 3-6). 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 with Navy UXO contractor equipment.

The perimeter fencing and access gates of SA 93, WWII Mortar Impact Area were inspected. During the inspection, evidence of Navy UXO contractor activities was evident within Parcel 4. The September 1, 2013 inspection results included the following and are presented on Figure 3-6:

- The sign by the northeast corner gate is missing and needs to be re-installed (Photograph 3-22).
- Two sections of fencing along the north perimeter fence, sixteen sections along the east perimeter fence and five sections along the south perimeter fence need to be repaired.
- One UXO warning sign on the east perimeter fence is in poor condition and need replacing (Photograph 3-23).
- 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.



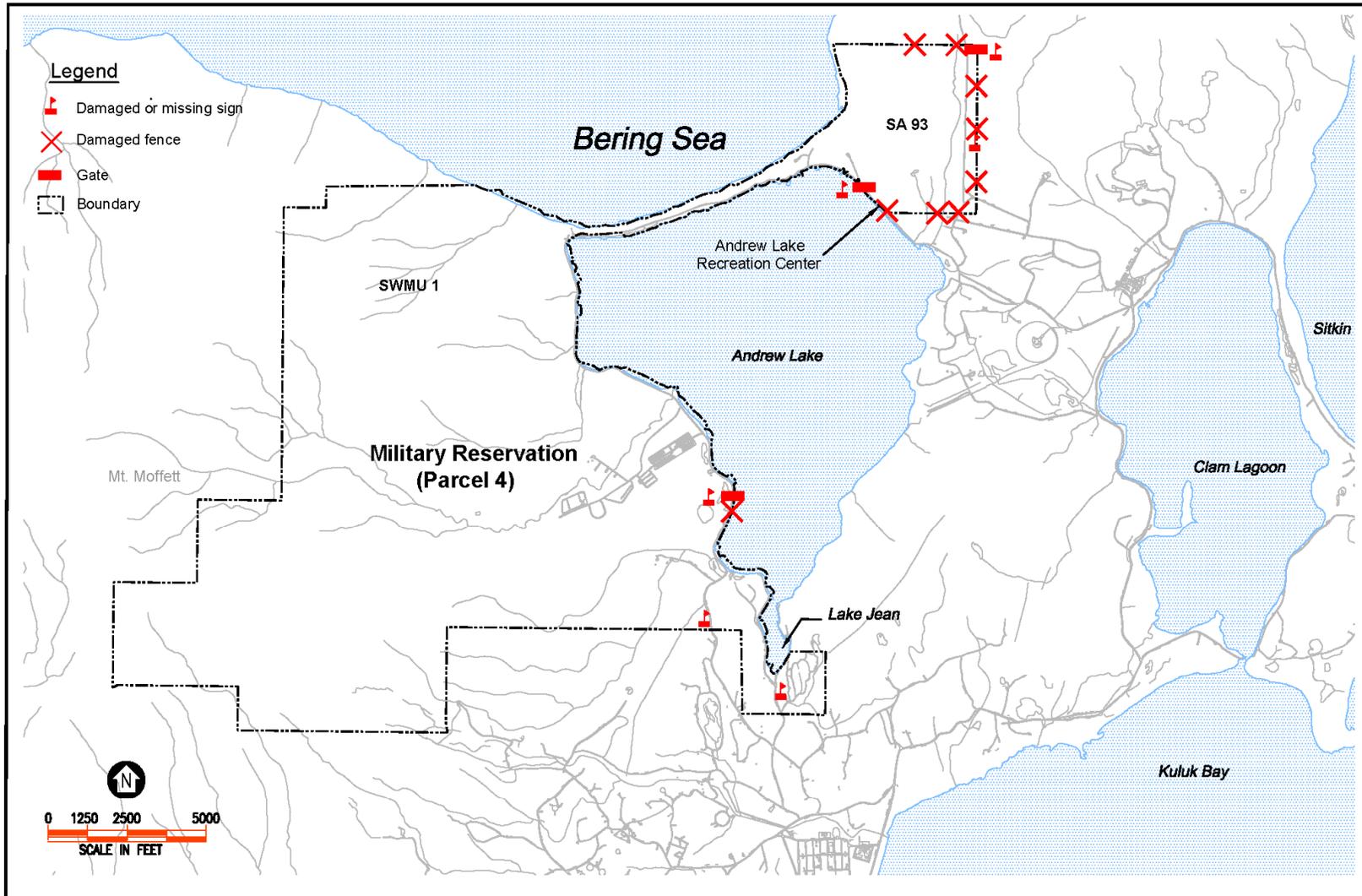
Photograph 3-23. SA 93, WWII Mortar Impact Area (Parcel 4) – looking west at east perimeter fence sign

The signs, south perimeter fencing, and southern gate of SWMU 1, Andrew Lake Waste Ordnance Demolition Range was inspected. The September 3, 2013 inspection results included the following and are illustrated on Figure 3-6:

- The gate along the southeast entrance to SWMU 1 was inspected and found to be closed, locked, and in good condition.
- 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 2013 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



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U.S.NAVY	SEALASKA	Figure 3-6 Parcel 4	Task Order 66 Adak Island, AK 2013 IC Inspection Report
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 PLOT/UPDATE: NOV 17, 2013

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 an 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 2012 through September 2013, three 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 2012 through September 2013

Date	Requestor	Description of Excavation
10/2012	Layton Lockett	Digging auger holes to install fence posts in the backyard of 227B Tanaga Circle
01/2013	Adak Department of Transportation and Public Facilities	Performance of a 400 foot by 600 foot excavation and install structural fill to provide an expanded Runway Safety Area (RSA) off the end of Runway 05. RSA improvements will include excavation adjacent to the 400 foot by 600 foot area for re-aligning a drainage ditch.
03/2013	Cedarock Consultants, Inc.	To perform stream restoration and enhancement of Helmet Creek to include removal of empty barrels used as bank protection, removal of old timber piles, plugging of old culverts, and some minor channel grading by hand to provide fish passage.

No sites were impacted by the excavation notifications listed in Table 4-1. A trench approximately 5 feet wide and 100 feet long was observed at the NMCB site. The drainage ditch was installed when tidal flooding occurred on site to help drain water off site. The ditch is less than 2 feet deep, therefore, a permit with the Navy was not required. Well decommissioning activities were conducted between May and June 2013 at the following IC sites:

- Antenna Field
- GCI Compound
- Housing Area (Artic Acres)
- NMCB
- NORPAC Hill Seep
- ROICC Contractor's Area, USTs ROICC-7 and ROICC-8
- SA 78, Old Transportation Building
- SA 79, Main Road Pipeline
- SA 80, Steam Plant 4
- SA 82, P-80/P-81 Buildings
- SA 88, P-70 Energy Generator
- South of Runway 18-36
- SWMU 17, Power Plant 3
- SWMU 58 and SA 73, Heating Plant 6
- SWMU 60, Tank Farm A
- SWMU 62, Eagle Bay Housing
- SWMU 62, Sandy Cove Housing
- Tanker Shed
- Yakutat Hanger

Excavation Notifications were not submitted to the Navy for any of these excavations since activities did not exceed 2 feet below ground surface.

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 2013 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 September 17, 2012, USFWS has distributed 446 maps. Since January 10, 2013, Aleut Real Estate has distributed 109 maps. The Map Distribution Log provided by USFWS is presented in Appendix D. In addition, in 2013 the Navy supplied 480 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 5, 2013, 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. 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 2013 IC inspections, 30 interviews were conducted. The interviewees consisted of 10 residents, 10 resident school children and 10 visitors. The breakdown for length of time living or staying on Adak is shown below:

- Resident for over 1 year – 19
- Resident for over 6 months, but less than 1 year – 0
- Resident for 3 to 6 months – 1
- Resident for less than 3 months – 0
- Visitor stays ranged from 4 days to 11 months; all the visitors were on island temporarily for work related activities, visiting family, hunting, bird watching and observing the island's geology.

Results from the 2013 interviews are presented in Table 5-1. The Institutional Control Education Evaluation surveys are included in Appendix B.

Interviews conducted in September 2013 indicated the following:

- Sixty-seven percent of the residents, school children and visitors (20 of 30) were aware of the ordnance awareness video. Six visitors and four students were not aware of the video.
- Ninety-seven percent of the residents, school children and visitors (29 of 30) were aware of land use restriction. One visitor was not aware of land use restrictions.
- All (100 percent) residents were aware of the fish consumption advisory.
- All (100 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.

- Ninety-five percent (19 of 20) residents and visitors were aware that entry onto Navy-retained property (Parcel 4) is prohibited. One visitor was not aware that entry onto Parcel 4 is prohibited; but that visitor responded to the survey as having seen the ordnance awareness video and were aware that there were maps available that detailed the restricted areas. One resident added that in winter that it was hard to know where the boundaries were.
- Eight of 10 (80 percent) residents were aware of the Navy outreach website and toll-free telephone number.
- All (100 percent) residents and visitors were aware of the maps detailing the land use restrictions and ordnance awareness.
- Nine of ten (90 percent) residents were aware that there are areas on Adak that cannot be excavated at all.
- Eight of 10 (80 percent) residents were aware that groundwater use in the downtown area is prohibited.
- Eight of the ten 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. Three teachers and one teacher's aide were interviewed and it was noted that the UXO Awareness video had been shown to students in September 2013.

Six individuals reported being subsistence fishers. Three fishers did not comment on the types of fish they ate. Three recorded that they routinely ate halibut, salmon and/or cod, but that they did not eat rock sole. Two of these also claimed to eat blue mussels (one up to four times a week) but neither fished for blue mussels in Kuluk Bay or Sweeper Cove.

The following totals are the number of responses to each of the categories in Question #5: "How would you prefer the Navy provide information to you regarding institutional controls?"

- Community meetings – 3
- Electronic mail – 7
- Internet – 3
- Mailings/Fact Sheets – 3
- Informal telephone calls – 1

- Other – 6. Those responding “Other” indicated that the information could be provided in the city newsletter, on signs, and also that “there was enough (information) around”.

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 keep the information up to date.
- One resident suggested dating the signs. Some signs are old making it difficult to tell if they are enforced.
- One resident and one visitor suggested advising the city.
- One visitor suggested having the information available at the school and community center, another visitor recommended that it could be available at “Fish & Wildlife”.

The surveys indicate that educational awareness for residents and visitors has improved compared to 2012 results and that educational ICs appear to be functioning adequately. All visitors were aware of the maps, so presumably, that would lead to understanding that Parcel 4 was restricted due to potential live ordnance (9 out of 10 were aware). Additional awareness improvement for residents could still take place in the following areas:

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

Additional awareness improvement for visitors includes increasing the number who are aware of and have seen the LUC/Ordnance Awareness Video.

Based on the survey information, the IC education program appears to be effective for children, visitors and adult residents.

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.	10	0
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.	10	0
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.	10	0
I am aware of the Navy outreach web site AdakUpdate.com and the toll free telephone number.	8	2
I am aware that hiking maps detailing the land use restrictions and ordnance awareness are available.	10	0
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.	8	2
School Age Children	Yes	No
I have seen the ordnance awareness video with Boomer the Otter at my school.*	6	4
I've seen or have some of the ordnance awareness materials.	8	2
I know not to go under, around or over fences and gates.	10	0
Visitors	Yes	No
I am aware and have seen the LUC/Ordnance Awareness safety video shown at the airport.	4	6
I am aware that entry on to Navy-retained property (Parcel 4) is prohibited because of the presence of live ordnance.	9	1
I am aware that maps detailing ordnance awareness and restricted areas on Adak are available.	10	0
Teachers	Yes	No
Is the ordnance awareness DVD being shown and when? (In September)	4	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)	4	0
Do you have any recommendations for improving the ordnance awareness program? If so, please describe any suggestions.	0	4
Subsistence Fisher	Yes	No
Do you routinely eat blue mussels? If so, how many times per week?	2	1
Do you routinely eat rock sole? If so, how many times per week?	0	3
Do you routinely eat other fish? If so, what fish (halibut, salmon, rock fish)?	3	0

* The Kindergarten through fifth grade class all viewed the video on September 3, 2013 following their interviews.

6. SUMMARY AND RECOMMENDATIONS

Based on the findings of the September 2013 primary site inspections, the following recommendations are listed below by site. Table 6-1 summarizes the recommendations at the Adak IC sites.

Excavation Restrictions

Three excavation notification requests were filed with the Navy for excavations performed during the reporting period. A trench approximately 5 feet wide and 100 feet long was observed at the NMCB site. The drainage ditch was installed when tidal flooding occurred on site to help drain water off site. The ditch is less than 2 feet deep, therefore a permit with the Navy was not required. Well decommissioning activities were conducted between May and June 2013 at several sites. Well decommissioning activities did not exceed 2 feet below ground surface therefore a permit was not required. Therefore, excavation restriction institutional controls appear to be functioning as intended.

Education Program

Based on the survey information, the education program appears to be effective because most of the resident population and visitors interviewed were aware of most portions of the program. The Navy will continue to improve the program to increase IC awareness including the following: The Navy has made a poster of the hiking maps which will be placed in public areas around town. 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 55 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 19 sites: Area 303, 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; Runway 5-23 Avgas Valve Pit; SA 79, Main Road Pipeline; SA 80, Steam Plant 4, USTs 27089 and 27090; South of Runway 18/36; SWMU 60, Tank Farm A; SWMU 61, Tank Farm B; SWMU 62, New Housing

Fuel Leak; SWMU 67, White Alice PCB Spill Area; Tanker Shed 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, inspections for these 27 sites listed above has been reduced to every odd year beginning with the next inspection to occur in 2015 opposite to the biennial portion of the Groundwater and Landfill 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. Therefore, individual IC inspections at all other sites have been reduced to once every 5-years review cycle. In order for these inspections to occur opposite the biennial odd-year inspections, the 5-year inspections will occur once every five year review period (every four or six years) as presented in Table 1-1 with the next inspection occurring in 2014. The 5-year inspection of the 30 degree slope OUB-1 sites will be conducted on the same schedule (every four or six years) as the 5-year IC sites (Table 1-1).

The effectiveness of the Education Program and Excavation Restrictions will continue to remain in place for these sites and be evaluated annually. This includes canvassing the downtown area for unauthorized groundwater use. Excavations will be documented during the groundwater use canvassing. Additional IC activities that will continue annually include: verification that the airport UXO video was operated; evaluating excavation notification requests; conducting the Educational Awareness Survey; conducting classroom educational activities (playing child UXO video); and tracking UXO map distribution. 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 or the IC Inspection Report.

Individual site recommendations are stated below.

SWMU 10, Old Baler Building

All ICs appear to be functioning as intended. ICs have continued to function here since 2005. Site inspections have been reduced to once every 4 or 6 years at this site with the next inspection occurring in 2014 (Table 1-1).

SWMU 14, Old Pesticide Disposal Area

All ICs appear to be functioning as intended. ICs have continued to function here since 2005. Site inspections have been reduced to once every 4 or 6 years at this site with the next inspection occurring in 2014 (Table 1-1).

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 odd year with the next inspection occurring in 2015.

SWMU 16, Former Firefighting Training Area

All ICs appear to be functioning as intended. ICs have continued to function here since 2005. Site inspections have been reduced to once every 4 or 6 years at this site with the next inspection occurring in 2014 (Table 1-1).

SWMU 17, Power Plant No. 3

Housekeeping practices have improved at this site but should continue to be monitored. Site inspections have been reduced to every odd year with the next inspection occurring in 2015.

SWMU 55, Public Works Transportation Department Waste Storage Area

Although the large amounts and types of wastes and poor housekeeping conditions observed onsite have been moved to another part of the island, some wastes still remain onsite. 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 have been reduced to every odd year with the next inspection occurring in 2015.

SA 76, Old Line Shed Building

All ICs appear to be functioning as intended. ICs have continued to function here since 2005. Site inspections have been reduced to once every 4 or 6 years at this site with the next inspection occurring in 2014 (Table 1-1).

SWMU 13, Metals Landfill

It is recommended that the eroded areas near the end of Swales 6 and along the armor wall be repaired. All other ICs appear to be functioning as intended. Site inspections have been reduced to every odd year with the next inspection occurring in 2015.

SWMU 25, Roberts Landfill

Site inspections have been reduced to every odd year with the next inspection occurring in 2015. The following actions are recommended:

- 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 2014 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.

SWMU 24, Hazardous Waste Storage Facility

Although the large amounts and types of wastes and poor housekeeping conditions observed onsite have been moved to another part of the island, some wastes still remain onsite. 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 have been reduced to every odd year with the next inspection occurring in 2015.

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. Site inspections have been reduced to once every 4 or 6 years at this site with the next inspection occurring in 2014 (Table 1-1).

Amulet Housing, Well AMW – 706 Area

All ICs appear to be functioning as intended. ICs have continued to function here since 2005. Site inspections have been reduced to once every 4 or 6 years at this site with the next inspection occurring in 2014 (Table 1-1).

Amulet Housing, Well AMW – 709 Area

All ICs appear to be functioning as intended. ICs have continued to function here since 2005. Site inspections have been reduced to once every 4 or 6 years at this site with the next inspection occurring in 2014 (Table 1-1).

Former Power Plant Building T-1451

All ICs appear to be functioning as intended. Because of past housekeeping issues at this site, Site inspections have been reduced to every odd year with the next inspection occurring in 2015.

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. Site inspections have been reduced to once every 4 or 6 years at this site with the next inspection occurring in 2014 (Table 1-1).

Runway 5-23 AVGAS Valve Pit

All ICs appear to be functioning as intended. ICs have continued to function here since 2005. Site inspections have been reduced to every odd year 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. Site inspections have been reduced to every odd year 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. Site inspections have been reduced to every odd year 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. Site inspections have been reduced to every odd year with the next inspection occurring in 2015.

Housing Area (Arctic Acres)

All ICs appear to be functioning as intended. Site inspections have been reduced to every odd year with the next inspection occurring in 2015.

GCI Compound, UST GCI-1

All ICs appear to be functioning as intended. ICs have continued to function here since 2005. Site inspections have been reduced to once every 4 or 6 years at this site with the next inspection occurring in 2014 (Table 1-1).

Area 303

All ICs appear to be functioning as intended. Since this is a new site added to the inspection list this year and hazardous materials were observed on site during the inspection, inspections are recommended to be continued every odd year 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. Site inspections have been reduced to every odd year with the next inspection occurring in 2015.

NORPAC Hill Seep Area

All ICs appear to be functioning as intended. Site inspections have been reduced to every odd year with the next inspection occurring in 2015.

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. Site inspections have been reduced to every odd year with the next inspection occurring in 2015.

SWMU 62, New Housing Fuel Leak

All ICs appear to be functioning as intended. Site inspections have been reduced to every odd year with the next inspection occurring in 2015.

South of Runway 18-36 Area

All ICs appear to be functioning as intended. ICs have continued to function here since 2005. Site inspections have been reduced to every odd year 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. Site inspections have been reduced to every odd year 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. Site inspections have been reduced to once every 4 or 6 years at this site with the next inspection occurring in 2014 (Table 1-1).

SWMU 20, White Alice/Trout Creek Disposal Area

It is recommended that the eroded area on the cliff be repaired. Site inspections have been reduced to every odd year with the next inspection occurring in 2015.

SWMU 21A, White Alice Upper Quarry

All ICs appear to be functioning as intended. ICs have continued to function here since 2005. Site inspections have been reduced to once every 4 or 6 years at this site with the next inspection occurring in 2014 (Table 1-1).

SWMU 23, Heart Lake Drum Disposal Area

All ICs appear to be functioning as intended. ICs have continued to function here since 2005. Site inspections have been reduced to once every 4 or 6 years at this site with the next inspection occurring in 2014 (Table 1-1).

SWMUs 52, 53 and 59, Former LORAN Station

All ICs appear to be functioning as intended. ICs have continued to function here since 2005. Site inspections have been reduced to once every 4 or 6 years at this site with the next inspection occurring in 2014 (Table 1-1).

SWMU 67, White Alice PCB Spill Area

All ICs appear to be functioning as intended. Site inspections have been reduced to every odd year with the next inspection occurring in 2015.

SWMU 2, Causeway Landfill

All ICs appear to be functioning as intended. Site inspections have been reduced to every odd year with the next inspection occurring in 2015.

SWMU 4, South Davis Road Landfill

It is recommended that the eroded area at the west end of the northern swale be repaired and the seep should be evaluated for repair options. Site inspections have been reduced to every odd year with the next inspection occurring in 2015.

SWMU 11, Palisades Landfill

It is recommended that the sinkhole observed near the pond be repaired. It is further recommended that the Landfill Warning signs on the northwest and northeast landfill perimeter be repaired or replaced. All other ICs appear to be functioning as intended. Site inspections have been reduced to every odd year with the next inspection occurring in 2015.

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

Site inspections have been reduced to every odd year with the next inspection occurring in 2015. 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.

SWMU 29, Finger Bay Landfill

Site inspections have been reduced to every odd year with the next inspection occurring in 2015. 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.
- The hole at the south end of the landfill should be evaluated to determine if action is needed.

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. Site inspections have been reduced to once every 4 or 6 years at this site with the next inspection occurring in 2014 (Table 1-1).

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. Site inspections have been reduced to once every 4 or 6 years at this site with the next inspection occurring in 2014 (Table 1-1).

Finger Bay Quonset Hut, UST FBQH-1

All ICs appear to be functioning as intended. ICs have continued to function here since 2005. Site inspections have been reduced to once every 4 or 6 years at this site with the next inspection occurring in 2014 (Table 1-1).

MAUW Compound, UST 24000A

All ICs appear to be functioning as intended. Site inspections have been reduced to every odd year with the next inspection occurring in 2015.

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. Site inspections have been reduced to once every 4 or 6 years at this site with the next inspection occurring in 2014 (Table 1-1).

SWMU 58/SA 73, Heating Plant 6

All ICs appear to be functioning as intended. ICs have continued to function here since 2005. Site inspections have been reduced to once every 4 or 6 years at this site with the next inspection occurring in 2014 (Table 1-1).

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. Site inspections have been reduced to once every 4 or 6 years at this site with the next inspection occurring in 2014 (Table 1-1).

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. Site inspections have been reduced to once every 4 or 6 years at this site with the next inspection occurring in 2014 (Table 1-1).

SA 88, P-70 Energy Generator, UST 10578

All ICs appear to be functioning as intended. ICs have continued to function here since 2005. Site inspections have been reduced to once every 4 or 6 years at this site with the next inspection occurring in 2014 (Table 1-1).

Parcel 4 Ordnance Areas

Site inspections have been reduced to every odd year with the next inspection occurring in 2015. The following actions are recommended for SA 93, WWII Mortar Impact Area:

- Install UXO Warning signs on the northern and southern gates.
- Repair two sections of fencing along the north perimeter fence, sixteen sections along the east perimeter and five sections along the south perimeter fence.

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.

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. Annual inspections (2014).
CERCLA Sites (Downtown Area)								
SWMU 10, Old Baler Building	Yes	No	-	Yes	-	-	-	Site inspections every 5 year period (2014)
SWMU 14, Old Pesticide Disposal Area	Yes	No	-	Yes	-	-	-	Site inspections every 5 year period (2014)
SWMU 15, Future Jobs/DRMO	Yes	No	-	Yes	-	-	-	Install sign. Monitor poor housekeeping. Biennial inspections (2015)
SWMU 16, Former Firefighting Training Area	Yes	No	-	Yes	-	-	-	Site inspections every 5 year period (2014)
SWMU 17, Power Plant 3 Area	Yes	Yes	-	Yes	-	-	-	Monitor poor housekeeping. Biennial inspections (2015).
SWMU 55, Public Works Transportation Department Waste Storage Area	Yes	No	-	No	-	-	-	Install sign. Monitor waste disposal. Biennial inspections (2015).
SA 76, Old Line Shed Building	Yes	No	-	Yes	-	-	-	Site inspections every 5 year period (2014)
Fishing Advisory Areas (Downtown Area)								
Sweeper Cove	-	-	-	-	-	Yes	Yes	Annual inspections (2014).
Kuluk Bay	-	-	-	-	-	Yes	Yes	Annual inspections (2014).
Landfill Sites (Downtown Area)								
SWMU 13, Metals Landfill	Yes	No	Yes	Yes	Yes	-	-	Repair erosion. Biennial inspections (2015).

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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 (Downtown Area) (continued)								
SWMU 25, Roberts Landfill	Yes	No	No	No	Yes	-	-	Repair erosion, fence, signs, and gate. Biennial inspections (2015).
RCRA Sites (Downtown Area)								
SWMU 24, Hazardous Waste Storage Facility	Yes	No	-	No	-	-	-	Install sign. Monitor waste disposal. Biennial inspections (2015).
SA 77, Fuels Facility Refueling Dock, Small Drum Storage Area	Yes	No	-	Yes	-	-	-	Site inspections every 5 year period (2014)
Petroleum Monitored Natural Attenuation Sites (Downtown Area)								
Amulet Housing, Well AMW-706 Area	Yes	No	-	Yes	-	-	-	Site inspections every 5 year period (2014)
Amulet Housing, Well AMW-709 Area	Yes	No	-	Yes	-	-	-	Site inspections every 5 year period (2014)
Former Power Plant, Building T-1451	Yes	No	-	Yes	-	-	-	Poor housekeeping. Biennial inspections (2015).
ROICC Contractor's Area (UST ROICC 8)	Yes	No	-	Yes	-	-	-	Site inspections every 5 year period (2014)
Runway 5-23 Avgas Valve Pit	Yes	No	-	Yes	-	-	-	Biennial inspections (2015).
SA 79, Main Road Pipeline	Yes	No	-	Yes	-	-	-	Biennial inspections (2015).
SWMU 14, Old Pesticide Disposal Area	Yes	No	-	Yes	-	-	-	Site inspections every 5 year period (2014)
Petroleum Free-Product Sites (Downtown Area)								
SWMU 60, Tank Farm A	Yes	No	-	Yes	-	-	-	Biennial inspections (2015).
SWMU 61, Tank Farm B	Yes	No	-	Yes	-	-	-	Biennial inspections (2015).
Housing Area (Arctic Acres)	Yes	No	-	Yes	-	-	-	Biennial inspections (2015).

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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)
Petroleum Free-Product Sites (Downtown Area) (continued)								
GCI Compound, UST GCI-1	Yes	No	-	Yes	-	-	-	Site inspections every 5 year period (2014)
Area 303	Yes	No	-	Yes	-	-	-	Poor housekeeping. Biennial inspections (2015).
NMCB Building Area	Yes	No	-	Yes	-	-	-	Poor housekeeping. Biennial inspections (2015).
NORPAC Hill Seep Area	Yes	No	-	Yes	-	-	-	Biennial inspections (2015).
SA 80, Steam Plant 4, USTs 27089 and 27090	Yes	No	-	Yes	-	-	-	Biennial inspections (2015).
SWMU 17, Power Plant 3 Area	Yes	Yes	-	Yes	-	-	-	Monitor poor housekeeping. Biennial inspections (2015).
SWMU 62, New Housing Fuel Leak	Yes	No	-	Yes	-	-	-	Biennial inspections (2015).
South of Runway 18-36 Area	Yes	No	-	Yes	-	-	-	Biennial inspections (2015).
Tanker Shed, UST 42494	Yes	No	-	Yes	-	-	-	Biennial inspections (2015).
Yakutat Hangar, UST T-2039-A	Yes	No	-	Yes	-	-	-	Site inspections every 5 year period (2014)
CERCLA Sites (Remote Area)								
SWMU 20, White Alice/Trout Creek Disposal Area	Yes	No	-	Yes	Yes	-	-	Repair erosion. Biennial inspections (2015).
SWMU 21A, White Alice Upper Quarry	Yes	No	-	Yes	-	-	-	Site inspections every 5 year period (2014)
SWMU 23, Heart Lake Drum Disposal Area	Yes	No	-	Yes	-	-	-	Site inspections every 5 year period (2014)
SWMUs 52, 53, 59, Former LORAN Station	Yes	No	-	Yes	-	-	-	Site inspections every 5 year period (2014)
SWMU 67, White Alice PCB Spill Site	Yes	No	-	Yes	-	-	-	Biennial inspections (2015).

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 (2015).
SWMU 4, South Davis Road Landfill	Yes	No	NA	Yes	Yes	-	-	Repair erosion. Biennial inspections (2015).
SWMU 11, Palisades Landfill	Yes	No	NA	No	Yes	-	-	Repair sinkhole and signs. Biennial inspections (2015).
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 (2015).
SWMU 29, Finger Bay Landfill	Yes	No	-	Yes	No	-	-	Remove debris. Repair ponds. Biennial inspections (2015).
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 year period (2014)
Petroleum Free-Product Sites (Remote Area)								
Boy Scout Camp, West Haven Lake, UST BS-1	Yes	No	-	Yes	-	-	-	Site inspections every 5 year period (2014)
Finger Bay Quonset Hut, UST FBQH-1	Yes	No	-	Yes	-	-	-	Site inspections every 5 year period (2014)
MAUW Compound, UST 24000-A	Yes	No	-	Yes	-	-	-	Biennial inspections (2015).
Mount Moffett Power Plant 5 (USTs 10574 through 10577)	Yes	No	-	Yes	-	-	-	Site inspections every 5 year period (2014)
SWMU 58/SA 73, Heating Plant 6	Yes	No	-	Yes	-	-	-	Site inspections every 5 year period (2014)

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 year period (2014)
SA 82, P-80/P-81 Buildings	Yes	No	-	Yes	-	-	-	Site inspections every 5 year period (2014)
SA 88, P-70 Energy Generator, UST 10578	Yes	No	-	Yes	-	-	-	Site inspections every 5 year period (2014)
CERCLA Ordnance Sites								
Parcel 4	Yes	No	No	No	No	-	Yes	Repair fence and signs. Biennial inspections (2015).

7. REFERENCES

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- 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)

TO 66
Adak LTM 2013



Rite in the Rain.
ALL-WEATHER
JOURNAL
No 391

IC Inspections
Start: 8/30/13
End: 9/5/13

Rite in the Rain[®]
ALL-WEATHER WRITING PAPER



Book # 1C

Task order # 66

Contract: N44255-09-D-4005
Project: Atak Tm 2013

Name: Navy Installation: Former Naval
Complex Atak, AK

Address: Site Name: OUA

Start date: 8-26-13

Phone: End date: 9-5-13

Book Assignment: 1C (Beth Kerckre)

Company: Sealaska Environmental

Project: SERVICES WITH CARE ALPHESS

Address: 18743 Front St. NE

Suite 201

Poulsbo, WA 98370

Phone: 360 930 3300

Reviewed by: *Atak Jan*

Date Reviewed: 11-6-13

Clear Vinyl Protective Slipcovers (Item No. 30) are available for this style of notebook.
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24	Loram SA 82	9/1/13

²
To 26 Adak IC
Overcast 55°

8/30/13

- 0700 Health and Safety Meeting
watch Ordinance Video
P Kercher and C Albrecht
- 0845 Drive to King Hill Chapel
Kumasi Meet up place.
- 0900 Metals Landfill
- 0904 N of South Sign - Photo
- 0906 W of Swale - Photo
- 0907 Photo North of Site
- 0909 Photo N of Rip Rap shoreline
- 0912 Photo S of Ponding
- 0914 Photo W of Metal in Rip Rap
Several pieces of metal debris
in ashcrete wall.
- 0919 Photo S of tracks
- 0920 Photo N of Ponding
- 0921 Photo of geofabric sticking
out of ground
- 0922 Photo S of Armer Rock
- 0925 Photo W of Swale 3
- 0926 Photo E of Metal in Armer
Rock Near Swale 3 between
Wells 2+3. 50x40'
- 0931 Photo E of Small eroded area
P Kercher 8/30/13

To 26 Adak ^{8/27/13} ~~IC~~ IC 8/30/13³
with exposed Metal 5x10'

- 0934 Photo S E of Swale
6
- 0935 6x15' eroded area east of
Swale 6 Photo E
- 0939 E of ~~rip rap~~ tracks - Photo
- 0940 Photo of Ponding west of
Swale 6
- 0941 Photo NE of tracks
- 0942 Photo S of non vegetated
area 100' x 20'
- 0945 NW of Swale 7 - Photo
- 0947 SE of Armer Rock - Photo
- 0949 Photo S of Armer Rock and
Metal debris
- 0954 Photo E of ~~eroded~~ eroded
area above Armer Rock
No MWT 23
- 0956 Photo E of debris in Armer
Rock
- 0957 SE of eroded area N/
Bed Rock - Photo 15x10ft
- 0959 Photo E of Metal debris
North end of Ct
- 1003 Photo E of N Swale
P Kercher 8/30/13 *lett on the rain*

4
T066 Adak ^{BPK 8/30} IC 8/30/13

1004 Photo SE of Landfill

1005 Photo SE of Landfill

1007 Photo NW of Housing

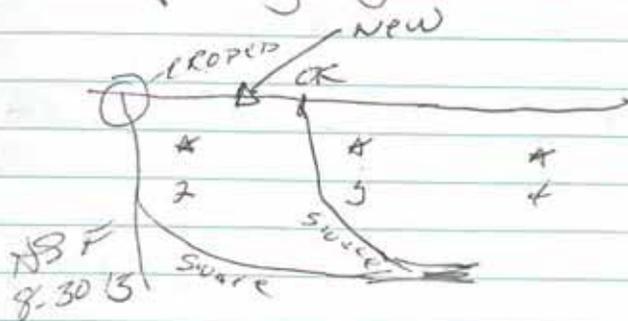
1007 Kulu Bay

1008 Housing + Wapac Hill

Overall Metal debris throughout

Armor Rock

Acco
& Ponding throughout lower bench
Some tracks on lower bench
and sparsely vegetated areas.



Sign on South Side is

Visible

West Gate locked with sign

Visible

North sign visible

BP Kercher 8/30/13

T066 Adak IC ^{BPK 8/30} 8/30/13 ⁵

1030 Photo ^{side} west of upper bench

Vegetation

1032 Photo ^{side} west of upper bench

veg

1033 Photo North of upper bench

1034 Photo east of Ponding on
upper bench

1043 Southern Sign - Photo

1045 West gate and Sign Photo

1048 Photo of North Sign

Upper bench vegetation is
good over all. Some areas of
ponding observed due to recent
rains.

1115 ^{BPK} Finger Bay ~~to~~ Landfill

3 Signs along Road in
good condition

1122 Photo NE of Signs + Site

1125 Photo of Site Northwest

1126 Photo NE of Ponding North side

~~1127~~ ^{BPK} 1128 Photo SE of Site

BP Kercher 8/30/13

Site on the Rain

To 206 Adak IC 8/30/13

Vegetation observed on North
Side of 26 is 15' x 30'
Photo @ 1126 Smaller than last year
1132 SW Photo of former
Seep location. ~~to~~ Good Condition

1133 Photo N of Drum + Power
Pole, observed in previous years

1134 Photo N of debris on
East ^{side} West Side of Mound
Pond 4' x 20' on West Side of
Mound.

1135 Photo west of Pond.

1136 SW Photo of veg on ~~West~~ ^{East} side of LF

1141 Photo of Hole 4' x 2'
SW Side of LF
↳ of debris Overall site same as 2012

Finger bay Quonset hut

1202 Photo of Sign

1204 Photo of site
No signs of excavation
Site in good condition
B.P. Kercher 8/30/13

To 206 Adak IC 8/30/13⁷

1256 Sweeper ~~at~~ ^{at} Cave Photo
looking NE

Roberts Landfill

1356 Photo northeast of Seep
on the Mill Lake Access Rd
Seep is blowing with water

1417 SE of broken fence section
- Photo

6 sections along Southern
boundary

1419 Photo east of Ponded area
Smaller than previous years
60' in diameter

1422 Photo S of Sign in
good condition

1428 ⁶ ~~1428~~ Photo South of unknown
well next to pond

1429 Photo NE of vegetation
growing in, looking good

1433 Photo east of sparse veg
but better than previous yrs

1439 Photo west of repaired/eroded
area veg growing in
B.P. Kercher 8/30/13 ^{hit in the rain}

10206 Adak IC 8/30/13

1441 Photo West of eroded area
Same as last year.

1444 Photo NW of eroded area
Same as last year.

1445 Photo W of eroded area
~~eroded~~ area with good veg
growth.

1447 Photo ~~at~~ east of
eroded area with hogwallow
Maybe sink hole 15ft diameter

1452 Photo of gate to fields
open at time of inspection

1500 Photo S of Blue Seep.

BP2 looks similar to last year
East Side fencing has 13
sections broken and in need
of repair.

1518 Photo NE E of Open gate
on NE corner of Lt.

1525 Photo NE of Southeast
gate closed with a zipper

1538 Photo SW fence line
and veg. S/E of Site in
good condition.

BP Kercher 8/30/13

10206 Adak IC 8/30/13

1541 Photo NE of Swale at
South end of Lt with
Water flowing in it. Swale
in good condition

1544 Photo SE of small ponded
Sink hole on the South
end of Lt near well B-1
East of Well. Hole Appx
3' x 7'

1546 Photo of Ponded area at
end of Swale on the S end
of Lt west of well B-1
16' x 20'

1549 Photo of Sparsely vegetated
area at SW end of Lt
20' x 20' in diameter observed last year

1552 Photo SW of eroded area
and swale

1554 Photo NE of Site veg. in
good condition

1558 Photo looking S of Ponding
Stream on SW Side of Site
No staining or color

14 broken fence sections along
East side of Lt
BP Kercher 8/30/13

Return on Rain

¹⁰ To 66 Adak IC 8/30/13
1605 Photo east of west gate
with new lock

Overall Site is in good condition
Signs are visible around
the site

Vegetation continues to
improve
One section of fence is broken
on the north end of
landfill fence line

SWMU 23 Heat Lake
Drum Disposal

^{8/28/13}
1627 Photo West of Sign

1628 Photo West of Site
No excavation or land
use.

SA 77 fuel Small Drum
Storage area

1640 Photo NE of Site and
Sign both in good
condition No change in
land use
BP Kexchea 8/30/13

To 66 Adak IC 8/30/13
SA 79 Main Road Pipeline

^{Photo}
1646 South of Site
Sign in good condition
No change in land use.

SWMU 60 Tank farm A

1655 Photo SW of Site
1656 Photo S of Sign
Site and Sign in good
condition
No excavation No change
in land use

Amulet Housing 709

1701 Photo NE of Sign and
Site. Good condition No
excavation or change in
land use.

Amulet Housing 700

1704 Photo ~~the~~ East of Site → Sign
No excavation No change in land use
BP Kexchea 8/30/13 *lets in on him*

8/30/13

Yakutat Hangar

1715 Photo ^{BPB} N^W of Site and
Sign No excavation or
change in land use

Runway S-23
Argas Valve Pit

1719 Photo of Sign and Site
looking North No
excavation or change in
land use.

1724 SWMU 10
former firefighting
training area.

1724 Photo N of Site and
Sign No excavation
no change in land
use

~~Beta Kerchur
8/30/13~~

8/31/13

Overcast 55°

0700 Attend Morning Health and
Safety Meeting

IC team B Kerchur and C

Alexis

Navic A Verick S. Steehan

SWMU 11 Palisades LF

840 Photo West of Swale

844 Photo North of lower
culvert and Argos Rock

847 Photo West of Tonded
Area. Pond is lower than
last year 25' wide

849 Photo S of S. ^{one hole}

^{one hole} Water is not flowing
through it like last year.
Hole appears deeper than last year

0904 Photo East of Site Veg

0906 Photo NW of Stream

0920 Photo NW of Sign

^{one hole} Sign on SW corner is
fallen over Attached to posts <sup>needed
higher
fret</sup>
swales in good condition

BP Kerchur 8/31/13

14
To 66 Adak IC 8/31/13
0934 Sign on NW Corner
of Site along Rd is bent
and faded May need replacing
soon.

Antenna field

0936 Photo NW of Sign
0958 Photo N of decommissioned

Well
1003 Photo SE of site.
1003 Photo S of decommissioned
BPP Well. No permit required. ^{disturb}
~~No excavation~~ No Change ^{below} _{2ft.}
in land use.

SWMM 58/SA 73
Heating Plant

1034 Photo NW of Site and
Sign
1035 Photo SE of Site and
Sign
3 Signs in Good Condition
Well decommissioning Goodville
A Kerwin 8/31/13

To 66 Adak IC 8/31/13 ¹⁵
ON site No Permit Required
Since there was no ground
disturbance below 2ft.
No Change in land use

SA 88

1049 3 Signs on site Middle
one is faded and bent
1050 Photo West of Site and
Sign
1052 Photo NE of Site and bent
slightly faded Sign.

~~BPP~~ ^{8/31}
~~8/31~~ No excavation No Change
in land use.
Well decommissioning
conducted by Noyac No
permit required since
ground was not disturbed
below 2ft.

^{BPP}
SA 7A Old Transportation
Building

1057 Photo E of Sign
A Kerwin 8/31/13 *Kerwin*

¹⁶
T0606 Adak 1G 8/31/13
1108 Photo of Sign and Site
North.

Signs in good condition
Well decommissioning
conducted on site. No
permit required by Nupac
since ground was not disturbed
below 2ft by.
No change in land use.

SWMU 2 Causeway 4f

1121 Photo of Site and Sign
No Change in land use
No Excavation

1200 At Condo for lunch

Norfolk Hill Seep

1310 Photo of Site and
Sign looking ~~South West~~ ^{ENE}
No excavation, no change in land use

BT Kercher 8/31/13

T0606 Adak 1C 8/31/13 ¹⁷

ROICC Contractors Area
1324 Photo West of Site and
Sign in good condition
No Change in land use

Mt Moffett Power Plant

1332 Photo of Site and Sign
looking West.
No Change in land use
No excavation

Mauw Compound

1344 Photo of Site and Sign
looking SW
USMC is using the
Site to burn and store
equipment.
No excavation No Change
in land use

BT Kercher 8/31/13
Site on the Rain

¹⁸ Toqo Adak IC 8/31/12

SWMUL Tank Farm B

1349 Photo E of Site and

Sign
1352 Photo E of Site and
Sweeper Creek

SA 80 Steam Plant 4

1406 Photo S. of Site and

Sign
No excavation No
Change in land use.

Tank Shed

1410 Photo ~~SW~~^{PP} SW of Site

1413 Photo S of locked gate

~~open~~ site.
Two poly tank and small
Remediation System are

No longer on site
Sign in good condition
No Change in land use.
locked gate in front of site
A Kercher 8/31/13

Toqo Adak IC 8/31/12

Housing Area Arctic Acres

1418 Photo N of Sign and Site

1419 Photo N of Sign and Site
No Change in land use
Site in good condition. Signs
in good condition

ICI Compound

1423 Photo West of Sign and
Site. Both in good condition
No Change in land use
No excavation

Area 303

1427 Photo S of Site

1429 ~~SW~~^{PP} Photo SE of Site
Site in good condition

~~SW~~^{PP} Photo Vacant lot with
Monitoring Wells

1433 One building with poly drums
in front Photo of drums

1436 Photo S of 2 drums
Stored on West Side of
building. no labels

A Kercher 8/31/13 *Kercher*

To 606 Adak IC 8/31/13
1439 Photo N of Site

SUMM 12

1440 Photo W. of Site and
Sign (Area 303)

1443 Photo SW of Site and
Sign

1448 Photo W of Unit 140D
Excavated area granular

SUMM 10 / Old Baker building

1452 Photo SE of Site

1454 Photo NW of Site and
Sign.

No excavation, no change
in land use. Site in
good condition

SUMM 15 ^{BPR 4} ~~28~~ and 55

1500 Site in Niche Better
Condition than Previous
Years.
H Kerchee 8/31/13

To 606 Adak IC 8/31/13

1507 Photo SE of Site

1509 Photo SW of Site

1509 Photo S of Site

1512 Photo West of South end
of Site where towing equipment
is stored.

1515 Photo NW of drums stored
on site

Site appears to no longer be
used as the island Recycling
Center although some materials
are still on site the majority
has been moved to another
part of the island.

Conex Box no longer on site
No excavations. Better housekeeping

SUMM 15

1522 Photo S of Site

SUMM 24

1528 Conex Box and stored
Haz Materials
H Kerchee 8/31/13

²²
To 66 Adak IC 8/31/13

1529 Drum Paint Containers
With stained ground and
Sheen

1530 Photo Sheen on
ground
Hazardous Materials Remain
on site, drums, paint containers,
Cessate legs.

SWMU 14

1539 Photo SW of former AST
location same Cond. as last yr.

1549 Photo NW of Stump
where drums used to be
stored.

1550 Photo NW of piping
and paint and 5-gal buckets
on pallet.

Overall site in same
condition as previous yr.
No excavation

BF Kercher 8/31/13

To 66 Adak IC 8/31/13 ²³

SWMU 14

1600 Photo of Site looking NE
No Sign, No Change in
land use, Sign Nearby
No excavations

SA 76

1602 Photo of Site looking
SE.

No Sign, No Change in
land use, Sign Nearby
No excavations

1630 Arrive at Condo

~~Beth Kercher 8/31/13~~

²⁴
1066 Tak IC 9/1/13
0800 Health and Safety Meeting
Team: B Kercher, Calhoun,
A. Franzen.

Overcast 50° winds 25-40 mph

0848 [SA 82]

0850 Photo N of Site and
Sign.

0853 Photo SW of Building
No Excavation, no Change
in land use

0911 [LORAN]

0918 Photo N of Site and
Sign

0933 Photo SE of building
No Excavation No Change in
use

Suggested moving sign to
front of Rock fall

B Kercher ^{BA} 9/1/13

²⁵
1066 Adak IC 9/1/13
Parcel 4

1007 Photo S of North fence
Sign Missing
2 fence sections on
North fence line needs
to be replaced

1007 Photo West of faded
Sign

1 Sign to be
replaced

4 broken fence sections N to Marine
12 broken fence sections Midway to
corner

1 section on South fence line
5 sections along the
fence behind Rec Center

1026 Photo of ^{BA} fence
with out sign. fence gate
locked

B Kercher 9/1/13
Let us see him

26
1066 Adak IC

South Davis Swale 9/1/13

1039 Photo W of site and
Sign

Seep observed 20' South
of the South Swale near
Metal debris 10' wide 8" db
0.52 flow rate ^{10/12}

1042 View N site overview

1044 eroded Swale looking
East, Not silt fence like
last year eroded slope

1045 View east of upland
Swale

1045 View South of landfill
overview

1047 View east of Seep
Close up (2) photos

1049 Seep over view looking
^{10/12} NE

1049 Seep Close up

1055 View SW of chimney of
South end of Lt.
BP Archer 9/1/13

27
1066 Adak IC

1110 Arrive at Condo for paper
work

1630 Arrive at airport to conduct
surveys.

1800 Arrive at Condo

Beth Archer ^{BP} 9/1/13

TO 66 Adak IC 9/2/13
 1130 Arrive at ~~889k~~ Cold Rock
 Cafe to Conduct Surveys
 1230 Arrive at Corbo.

Beth Kercher 9/2/13

TO 66 Adak IC 9/3/13
 0700 Health and Safety Meeting.
 Overcast 55° Windy.

SWMM 17

- 0756 Photo E of former location of drums
- 0758 Photo E of former transformer location
- 0802 Photo NW of location of crushed drums which have been removed
- 803 Photo N of equipment and AST Storage area
- 0805 Photo E of excavated area
- 0809 Photo E of Stained area 3ft diameter. South of excavated area
- 0810 Photo of Stained Area
- 0810 Photo N of former AST location
- 0811 Photo NE of Excavated area
- 0811 Photo E of excavation
- 0811 Photo W of 3 drums on N end of building
- 0812 Stained area
 Beth Kercher

9/3/13

³⁰ TC 66 Adak IC 9/3/13

0812 Stained area photo
Drums are ~~off~~ site a few
(5-6) are scattered around
but overall the site is
in better condition.

Transformers are gone
According to Tom at the
power plant oil from the
drums and transformers into
a poly tank and sent to fuels
for recycling.

Drums + transformers were
sent offsite by Salvage.

One transformer remains on
site on the SE side.

0832 Photo S of transformer

Staining was not observed
by the AST Containment
area on the North side
of the building.

3 spots 4ft diameter, 1ft
diameter and 200 diameter
in fenced area where
drums used to be stored

BP Kercher 9/3/13

TC 66 Adak IC 9/3/13 ³¹
0835 Photo NW of 4ft. Stained
area

0835 Photo W of 2ft Stained
area

~~0844~~ V-BIK

South of Runway

0844 Photo view of site and
Sign looking W.
No excavation, No Change
in land use

0847 Photo of site and sign

UMCB

0849 Photo S of Sign

0851 Photo E of Poly drums
on S side of building

0853 Photo E of poly drum
and PVC pipe in ditch

0854 Photo W of New drainage
trench running west then
SW to drain at corner

Rocky ~~area~~
0903 Photo ~~W~~ S of building
where Gasline tank used
A Kercher 9/3/13 Shot in the rain

32
TO 66 Adak IC 9/3/13
to be tank no longer on
Site

0909 Photo W of Site and
Sign
Generator and battery
on North Side of ~~South~~^{East}
East building
5-gal Gas Can on East
Side of east building
TRASH + Rock drums on
South Side of Site ~~is~~^{are} in
2012 is no longer on Site

Former Power Plant

0915 Photo SE of drums and
ASIS on Site
Some drums have
used oil and non-haz
labels and have the
contact ~~is~~^{are} label sealed
No Stained Soil or
Green observed.

BP Kercher 9/3/13

33
TO 66 Adak IC 9/3/13
0920 Photo SW of building

0923 Poly drum half full of
Used oil with No Government
or lid.

Met Mugs. He said they
dug the drainage ditch of
NMB because the building
was flooding. Did not exceed
2 ft.

0945 Arrive at City building.
Check City office location
is not in.

1000 Arrive at School Conduct
Surveys with Students and
teachers. Students Watch
Video

1100 Arrive at Condo for lunch.
1130 Arrive at Cold Rock Cafe
Conduct Surveys.

1230 Arrive BPR 9/3/13

BP Kercher 9/3/13

³⁴
TO 66

Adak IC

9/3/13

SWMU 21A

1235 Photo W of Sign

1236 Photo W of Site and
Sign

No excavation, No Change
in land use

SWMU 67 White Alice
PCB

1234 Photo of Site and
Sign looking SW

1243 Photo of Antenna looking
West

1243 Photos East of tower

1244

1244

1245 Photo West of Site and
antenna

1245 Photo West of Lake Andrew

No Excavation No
Change in land use

B Kercher 9/3/13

TO 66

Adak IC

9/3/13³⁵

SWMU 20

1256 Photo N of Sign and
Site

1259 Photo E of Site

1300 Photo East of Site and
Aloisium

1300 Photo East of eroded
area

Eroded area triangular shape
15'-20' ^{ft} access and

50-60' ft long. No debris exposed
No excavation No Change
in land use

SWMU 1 Parcel 4

1332 Photo NW of Gate

Open since USAF is

working in the area

No sign. Damaged fence on
either side.

1339 Photo West of faded sign
along road.

B Kercher 9/3/13

9/3/13

Boy Scout Camp

1341 Photo S of ~~Sign~~ Site
Sign on West Side in
good condition

Swamp 1 Parcel 4

1346 Photo N of Sign Missing
at Lake Jean

1350 Photo of Military
Reservation Sign on the
N Side of Lake Jean

Boy Scout Camp

1406 Photo N of Sign and
Site. 2 signs in good
condition. No change in
land use.

Swamp 18/19 White
Alice Landfill

1429 Photo NW of gate and Sign
Gate is locked.

B Kercher 9/3/13

9/3/13 37

1433 E-Photo of Swale

1434 Photo SW of eroded Swale

1434 Photo NE of erosion at 2

Swale Meeting

1435 Photo SE of eroded Swale

1436 Photo SW of end of eroded
Swale

1438 Photo NE of Site

1443 Photo NW of Pond on N
Side of Lf. Same size

as last year

1444 Photo SW of Site

1445 Photo SW of SWM 20

1446 Photo SW of Site

1449 Photo W of Site

1453 Photo of eroded area
at SE side of Site

Same size as last year

1457 Photo SE of City of Adak

Overall Site in same condition
as last year. Erosion (felt)

lines exposure on South
Swale is worse.

Sign at gate Needs to be
raised

B Kercher

9/3/13 Pitt in the Rain

T066 Adak IC 9/3/13

Broken fence Sections

South fence line: 5

West fence line: 4

North fence line: 3

East fence line: ~~8~~ 10One sign on E fence line
needs to be reattached to
fenceTanker Shed1533 Photo South of Tanker
Shed w/ Sampling Crows.1600 Arrive at Condo Complete
Paperwork~~Back Tanker 9/3/13~~

T066 Adak IC 9/4/13

0700 Morning health and Safety
Meeting0900 Arrive at fish and wildlife
office Collect Map distribution
Sheet.0930 Arrive at Aluet Corp office
Collect Map distribution
Sheet.1000 Arrive at Condo, Assist team
3 during Shoreline inspection

1100 Arrive at Condo for lunch.

1200 Arrive at School collect teacher
Survey and drop off Adult
Ordinance w/ video to
upper grade teacher.1205 ~~Force Power Plant~~
Photo NW of excavated/
5 Remediated area1206 Photo NW of excavated/
~~6~~ Remediated area1207 Photo east of Area 303
Sign next to airport.
Stumps 24 + 55

1212 Photo S of Site over

1213 View.
Back Tanker 9/4/13 *Rit in the Rain*

⁴⁰
10:00 Adak IC 9/4/13
12:21 Photo of City from Weptac
Hill View South (2 photos)
12:30 Arrive at Condo to work on
Papework

~~Ben Kercher 9/4/13~~

⁴¹
10:00 Adak IC 9/5/13
0700 Morning Health and Safety
Meeting
IC teams: B Kercher and
C Alferness deMoB
12:30 Depart for Airport
Ordinance Awareness video
is playing.
No further Entries

~~Ben Kercher 9/5/13~~
No more entries.
AF 11-6-13

Page	Reference	Date
29	Parcel 4	9/1/13
26	South Davis Landfill	9/1/13
29	Summ 17	9/1/13
31	South of Runway, NMSB	9/3/13
32	former Power Plant	9/3/13
34	Summ 21A, Summ 27	9/3/13
35	Summ 20, Summ Parcel 4	9/3/13
36	Boy Scout Camp, Summ 1	9/3/13
36	Summ 18/19	9/3/13
38	Tanker Shed	9/3/13
39	former Power Plant Area	9/4/13
39	303, Summ 24 and 55	9/4/13

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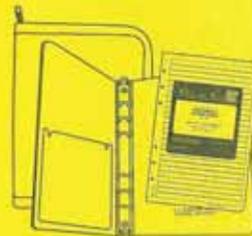
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Memo Books



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Notebooks

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APPENDIX B
INSPECTION CHECKLISTS AND SURVEY FORMS

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Non-Landfill Primary Inspection Checklist
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Site Name: SWMU 10, Old Baler Building **Map Reference No.:** _____

Inspectors: C. Alferness; B. Kercher **Date/Time:** 8-31-13 / 1457

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy / 55° F

Sign Inspection:

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| 1. Are there any signs located at the site?
<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> | <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
1452	Southeast	Road	Site overview
1454	Northwest	Bayshore Hwy	Site and sign

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: C. Alferness; B. Kercher **Date/Time:** 8/31/13 / 1600

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy, windy / 50° F

Sign Inspection:

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

There are signs in the near vicinity.

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**

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 belowNA

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.....NA

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:

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)..... **Yes** **No**

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.....

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
1600	Northeast	Access road	Site area

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 4

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

Inspectors: C. Alferness; B. Kercher **Date/Time:** 8-31-13 / 1539

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Rain, wind / 55° 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.) | 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..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | |
| The sign that was on the north side of the site is missing. | | |
| <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"/> |
| <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 4

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**

Approximately 15 containers of various sizes (5-gallons to 15-gallons) of paint and oil were observed stored on pallets on the north side of the site along the fence. Fishing equipment was also observed stored at this location.

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 oily stained soil areas were observed at the north side of the site as observed in previous years. As observed in 2012, 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 located there as observed in 2012. There was no obvious area of excavation, but new gravel appears to have been spread where the oil-staining was observed 2011. The oily-stained soil observed at this location during the 2011 inspections was not observed during the 2013 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
1522	South	Public Works Road	Site overview
1539	Southwest	Southern site boundary	Former AST location
1549	Northwest	Northern end of site	Staining where drums used to be stored
1550	Northeast	Northern end of site	Pipe, 5-gallon buckets, and fishing equipment stored on site

Additional notes: Less stained soil was observed than in previous years possibly due to weather conditions. Two pallets of 5-gallon containers of unknown contents previously observed adjacent to the blue shed northwest of the site were observed on site stored along the fence.

Non-Landfill Primary Inspection Checklist
Page 3 of 4

Select Site Photographs



Photograph 1539 – Former AST location and stockpile near well MW15-424 along the southern site boundary.

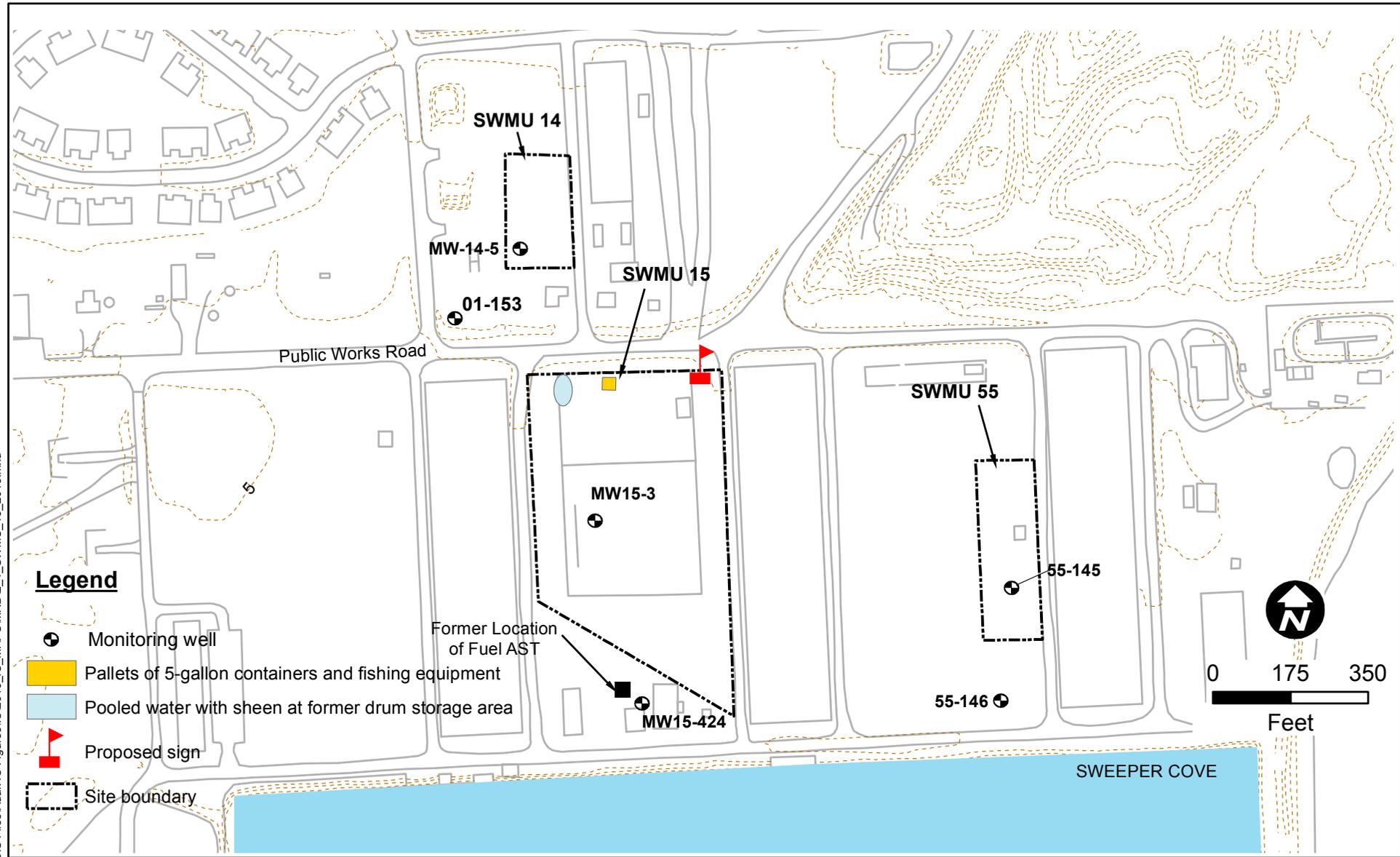


Photograph 1549- Stained soil where drums used to be stored

Non-Landfill Primary Inspection Checklist
Page 4 of 4



Photograph 1550 – Five-gallon containers (middle of photograph) stored onsite previously identified as oil and paint cans.



U.S. NAVY

SEALASKA

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

Task Order 66
Adak Island, AK
2013 IC Inspection Report

Non-Landfill Primary Inspection Checklist
Page 1 of 2

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

Inspectors: C. Alferness; B. Kercher **Date/Time:** 8-30-13 / 1723

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Sun, light wind / 67° 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
1724	North	Access road	Excavation restriction sign

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 8

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

Inspectors: C. Alferness; B. Kercher **Date/Time:** 9/3/13/ 0800

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Clear / 46° 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"/> |

The excavated area first observed in 2012, which was located along the east side of the access road on the east side of 10284 and across the roadway from the former AST location, is still present. The excavation remains approximately 15 feet x 10 feet x 5 feet deep. No visible evidence of petroleum contamination has been observed associated with this excavation.

Non-Landfill Primary Inspection Checklist
Page 2 of 8

- 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 2013. The 6 feet in diameter of oily soil that was observed during the 2011 inspection, located west of the AST secondary containment, was not observed in 2013. Only two small stained soil areas (less than 3 feet in diameter total), were observed (photos 0819 and 0820). The 150 crushed drums and nine large transformers observed in the AST secondary containment in 2011 have been removed from the site to be disposed. According to an employee at the power plant, the transformers were drained prior to disposal. The oil was recycled by the Fuels Facility. Three oil stained soil areas, one 4 ft, one 2 ft, and one 1 ft in diameter were observed in the fenced area on the east side of the building where the drums were originally stored. Additionally, one small, stained soil area, which was approximately 3 feet in diameter, was observed on the east access road. One transformer remains on the southeast side of Building 10203 where other equipment is stored, along with four vehicle batteries, and one 55-gallon rusted drum, that had a small leak and stained soil associated with it (photos 0832 and 1511). Several drums were observed around the site. Some were on their sides, and some were upright.

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
0756	East	Road	Former location of 55-gallon drums
0758	East	Road	Former location of transformers

Non-Landfill Primary Inspection Checklist

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Time Taken	Direction Facing	Location Taken From	Subject of Photograph
0802	Northwest	Access road on southeast side of power plant	Former location of crushed drums
0803	North	Access road on southeast side of power plant	Equipment stored on site
0805	East	Access road on east side of power plant	Excavated area
0809	East	Access road on east side of power plant	Stained area on east access road south of excavated area
0810	North	Access road on east side of power plant	Stained area on east access road south of excavated area
0810	Northwest	Access road on east side of power plant	Former 500-gallon AST location adjacent to Building 10284
0811	Northeast	Access road on east side of power plant	Excavated area
0811	East	Access road on east side of power plant	Excavated area close up
0811	West	Access road on north side of power plant	Three drums observed onsite
0812	East	Access road on east side of power plant	Stained area on east access road south of excavated area close up
0819	East	Access road on north side of power plant	Small stained area in front of the AST secondary containment area
0820	East	Access road on north side of power plant	Second small stained area in front of the AST secondary containment area
0832	South	Access road on east side of power plant	Transformer stored on southwest side of site
0835	Northwest	Access road on east side of power plant	Two of the stained areas within the fenced area on the east side of the site
0835	West	Access road on east side of power plant	Stained area with in the fenced area on the east side of the site

Additional notes: The yard on the east side of Building 10203 continues to be used to stage equipment and the 500-gallon AST that was removed from the east side of Building 10284. During LTM sampling of the onsite monitoring well 05-735, two photos were taken of the nearby leaking 55-gallon drum (time stamped 1511 09/06/2013). The drum was set upright by the sampling crew, and in October, was documented as having been removed from the site by city public works personnel.

Non-Landfill Primary Inspection Checklist
Page 4 of 8

Select Site Photographs



Photograph 0803 – AST, batteries, transformer, leaking drum, and equipment stored on site along the access road on the southeast side of the power plant looking north. Well 05-735 in middle of photo.



Photograph 0832 – Transformer stored on southwest side of site along access road on the east side of the power plant looking south

Non-Landfill Primary Inspection Checklist
Page 5 of 8



Photograph 0805 – Excavated area along access road on the east side of the power plant looking east



Photograph 0810 – Stained area on the east access road south of excavated area looking north

Non-Landfill Primary Inspection Checklist
Page 6 of 8



Photograph 0811 – Three drums observed onsite along the access road on the north side of the power plant looking west



Photograph 0819 – Small stained area in front of the AST secondary containment area along the access road on the north side of the power plant

Non-Landfill Primary Inspection Checklist
Page 7 of 8



Photograph 0820 – Second small stained area in front of the AST secondary containment area along the access road on the north side of the power plant looking east



Photograph 0835 – Two of the stained areas within the fenced area on the east side of the site looking northwest

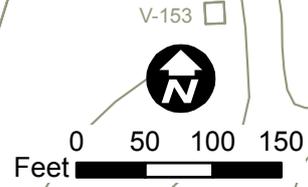
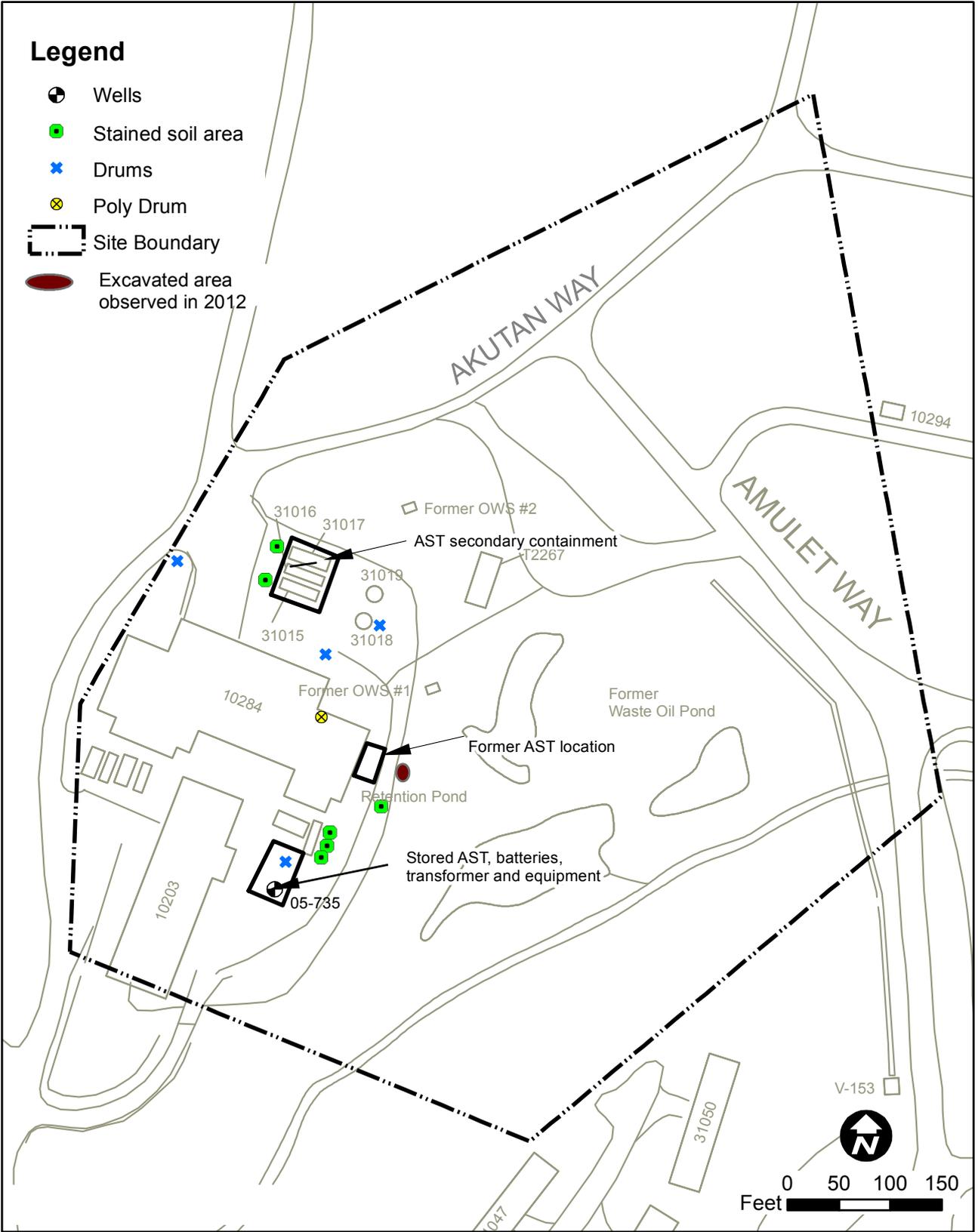
Non-Landfill Primary Inspection Checklist
Page 8 of 8



Photograph 0835 – Stained area with in the fenced area on the east side of the site looking west

Legend

-  Wells
-  Stained soil area
-  Drums
-  Poly Drum
-  Site Boundary
-  Excavated area observed in 2012



Date: 11/19/2013 Path: F:\Adak CAD\Adak GIS Files\IC\2013_IC_MAPS\MXD\2_2_SWMU_17_2013_TO66.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 66 Adak Island, AK 2013 IC Inspection Report</p>
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Non-Landfill Primary Inspection Checklist
Page 1 of 5

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

Inspectors: C. Alferness; B. Kercher **Date/Time:** 8/31/13 / 1500

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy, light rain / 55° 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 |
-

Non-Landfill Primary Inspection Checklist
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- | | | 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..... | <input type="checkbox"/> | 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)..... | <input type="checkbox"/> | X |
| 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"/> |
| 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"/> |
-

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 | <input type="checkbox"/> |
|-----|--|----------|--------------------------|

The area is no longer used as the island's recycling center although some materials are still onsite. A number of 55-gallon drums, a small AST, a conex box with paint cans, and poly totes full of rusty paint cans remain onsite. 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 previous inspections. Some fishing equipment, creosote logs, and compressed gas cylinders (propane, fire extinguishers, etc.) are stored onsite.

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
1212	South	Metals Landfill	Site overview
1213	South	Metals Landfill	Site overview
1507	Southeast	Access road	Site overview
1509	South	Public Works Road	Site overview
1509	Southwest	Public Works Road	Site overview with cylinders
1512	West	Access road	Fishing equipment stored onsite
1515	Northwest	Access road	Drums and small AST stored onsite
1528	North	On site	Conex box with hazardous materials and paint stored inside
1529	North	On site	Drum and paint containers with staining and sheen on the ground
1530	South	On site	Sheen on ponded water

Non-Landfill Primary Inspection Checklist
Page 3 of 5

Additional notes: Very few items remain on the site; intact 55-gallon drums, compressed gas cylinders, a small AST, creosote logs, containers of various sizes with unknown liquids, and paint wastes. The pink conex 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. Commercial fishing equipment is being stored onsite as well.

Select Site Photographs



Photograph 1212 – Site overview looking south



Photograph 1515 – Drums and small AST stored onsite

Non-Landfill Primary Inspection Checklist
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Photograph 1528 – Conex box with hazardous materials and paint stored inside looking north

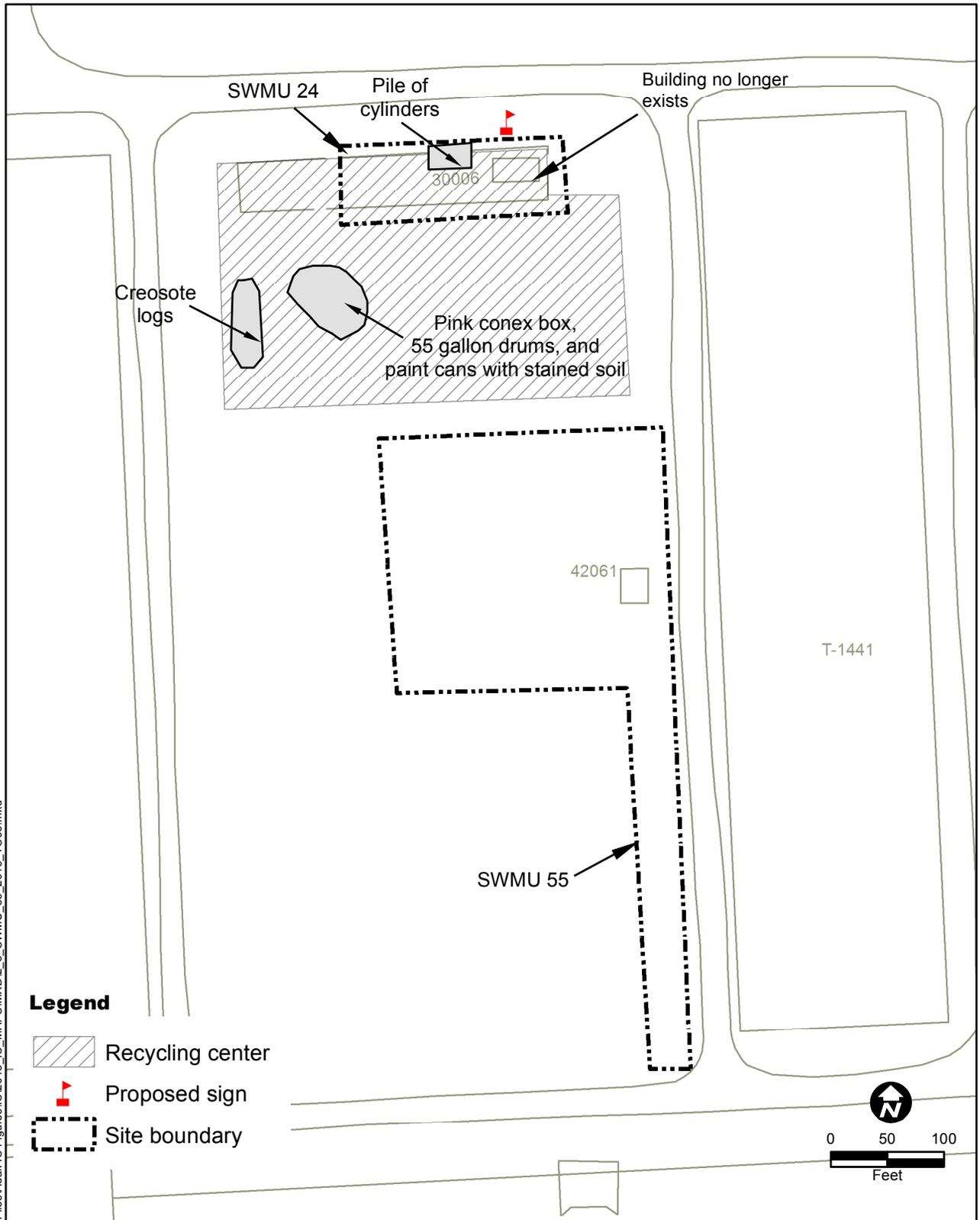


Photograph 1529 – Drum and paint containers with staining and sheen on the ground looking north

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Photograph 1530 – Sheen on ponded water looking south



Date: 11/13/2013
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<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</p>	<p align="center">Task Order 66 Adak Island, AK 2013 IC Inspection Report</p>
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Non-Landfill Primary Inspection Checklist
Page 1 of 2

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

Inspectors: C. Alferness; B. Kercher **Date/Time:** 8/31/13 / 1605

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy, windy / 50° F

Sign Inspection:

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

But there are signs in the near vicinity. _____

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..... NA

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

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.

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

Land Use Inspection:

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

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.....

Non-Landfill Primary Inspection Checklist
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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
1602	Southeast	Access road	Site area

Additional notes: _____

Landfill Primary Inspection Checklist
Page 1 of 7

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

Inspectors: C Alferness; B. Kercher **Date/Time:** 8-30-13 / 0900

Company: SEALASKA ENVIRONMENTAL SERVICES

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

Landfill Cap Inspection:

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

Water was observed running off the cap in Swale 6.

2. Is any ponding noted?..... **X**

A 2 to 3-inch deep area of water 20 feet long and 5 feet wide was observed on the lower bench (see map for location) as well as several small ponded areas throughout the lower bench. One area 45 feet by 10 feet was observed on the upper bench.

3. Is there a 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**

Four areas of erosion with exposed metal debris were noted during the inspection. The first area is just north of the end of swale 3; the area starts at the cliff edge and goes downward 50 feet and is 40 feet wide at the top of the slope. It is located south of well MW13-2. The second area is a smaller 8 feet by 10 feet eroded area with scattered metal debris exposed, located north of MW13-2 and south of swale 6, at the top of the cliff. The third area was also observed in 2012, and is located north of monitoring well 13-2, at the end of swale 6 – the damage is near the cliff. The eroded area is evident with the liner exposed and torn- and is approximately the same area as seen in 2012, about 10 feet by 10 feet with some metal debris in the area. The fourth area is located north of MW-603, and was also noted in 2012 – however its location is more accurately noted further north than on the 2012 maps. It was observed as approximately 10 feet by 15 feet with a 2 to 3 foot-channel along the cliff edge near a formerly repaired area.

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**

Similar sparse vegetation was noted on the site in 2012; one area on the lower bench and one on the upper bench. Both areas are associated with ponding.

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**

Landfill Primary Inspection Checklist

Page 2 of 7

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**

There were several areas of debris along the armor rock on the shoreline. Some areas associated with the erosion, some areas where the metal debris is on top of the armor rock. See map for locations.

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**

10. Is this a new seep?NA

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**

Landfill Primary Inspection Checklist

Yes No

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: **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
0904	North	South end of site	Sign
0906	West	South end of site	Southern swale
0907	North	South end of site	South end of site overview of cap
0909	North	South end of site	Armor rock overview
0912	South	South end of site	Ponding on lower bench
0914	West	East side of site	Metal in armor rock
0919	South	East side of site	ATV tracks on lower bench
0920	North	East side of site	Ponding on lower bench
0921	Southwest	East side of site	Geo-fabric exposed on lower bench
0922	South	East side of site	Armor rock overview
0925	South	East side of site	Ponding in swale 3
0925	West	East side of site	Ponding in swale 3
0926	East	East side of site	Metal in armor rock
0931	East	East side of site	Eroded area east of swale 6
0934	Southeast	East side of site	Swale 6 erosion and liner damage
0939	East	North end of site	Older ATV tracks
0940	West	North end of site	Ponding next to swale 6

Landfill Primary Inspection Checklist
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Time Taken	Direction Facing	Location Taken From	Subject of Photograph
0941	Northeast	North end of site	Old ATV tracks
0944	South	North end of site	Sparsely vegetated area
0945	Northwest	North end of site	Swale 7 overview
0947	Southwest	East side of site	Armor rock with metal debris
0949	South	East side of site	Armor rock with metal debris
0954	East	North end of site	Eroded area above armor rock with metal debris
0956	East	North end of site	Debris in armor rock
0957	Southeast	North end of site	Eroded area with bedrock
0959	East	North end of site	Metal debris at north end of landfill
1003	East	North end of site	Northern swale overview
1004	Southeast	North end of site	Overview of site
1005	Southeast	North end of site	Overview of site
1030	South	North end of site	Upper bench vegetation
1032	South	North end of site	Upper bench vegetation
1033	North	South end of site	Upper bench vegetation
1034	East	South end of site	Ponding on upper bench
1043	North	South end of site	Sign at southern end of site
1045	Southeast	Bayshore Hwy	Sign and gate
1048	North	Bayshore Hwy	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, especially between MW13-1 and MW-604 at top of the slope. ATV tracks first observed in 2011 on the center of the landfill approximately 200 ft long are still visible. Additional tracks (ATV and larger vehicle) observed across lower bench. 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.

Select Site Photographs



Photograph 0919 – ATV tracks on lower bench at the south end of the site, looking south



Photograph 0920 – Example of ponding on lower bench on the east side of the site, looking north

Landfill Primary Inspection Checklist
Page 6 of 7



Photograph 0934 – Swale 6 erosion and liner damage on the east side of the site looking southeast



Photograph 0954 – Eroded area at the top of the armor rock slope north of well MW-603.

Landfill Primary Inspection Checklist
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Photograph 0926 – Eroded area fifty feet by forty feet in size located just north of the end of Swale 3, with metal exposed (view northeast).



Photograph 0931 – Smaller eroded area north of well MW13-2, at top of armor rock slope approximately eight feet by ten feet in area.

NOV 22, 2013

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U.S. NAVY SEALASKA

**Figure 2-4
SWMU 13, Metals Landfill**

Task Order 66
Adak Island, AK
2013 IC
Inspection Report

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

Inspectors: C. Alferness; B. Kercher **Date/Time:** 8-30-13 / 1350

Company: SEALASKA ENVIRONMENTAL SERVICES

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

Landfill Cap Inspection:

1. Is water draining off the cap? **Yes** **No**
Two swales on the landfill's north end had moderate amounts of actively flowing water.

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 2013 inspection. The pond is smaller than in 2012.

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. The area of erosion observed in 2012 was observed again in 2013 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.

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

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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 northeast side of the 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. In 2011, a second seep was observed at the toe of the landfill in the Adak Fuels Facility adjacent to the northwest side of the landfill, and surface water was sampled (NL-14). The surface water exceeded endpoint criteria for copper. The seep was characterized with blue and white precipitate, and it was still present during the 2013 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 was sampled again in 2013 during the 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**

One old sign on the west fence needs to be replaced.

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

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- | | 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 | <input type="checkbox"/> |
-

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 paralleling the fence were not observed during the 2013 inspection. Another area with tracks of numerous ATV and larger vehicles, possibly trucks, were observed in 2012 on the southern portion of the site were not observed during the 2013 inspection.

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 13 sections of fence along the western perimeter are in need of replacement or repair. A total of 14 sections of fence along the eastern perimeter are in need of replacement or repair. One section of fence along the northern perimeter and six 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.

Landfill Primary Inspection Checklist
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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
1356	Northeast	Mitt Lake access road	Seep on Mitt Lake access road identified and sampled in 2010. Not contaminated
1417	Southeast	Happy Valley Rd	Broken fence section on south end of landfill
1419	East	Happy Valley Rd	Ponded area on southwest side of landfill
1422	South	Happy Valley Rd	Sign at west gate
1426	South	West Gate	Unknown well south of west gate
1429	Northeast	West side of landfill	Vegetated area in south central portion of landfill shows vegetation improvement
1433	East	West side of landfill	Vegetated area in north central portion of landfill shows vegetation improvement
1439	West	West side of landfill	Repaired eroded area with vegetation growing
1441	West	West side of landfill	Previously repaired eroded area along fence in the same condition as 2012
1444	Northwest	West side of landfill	Previously repaired eroded area along fence in the same condition as 2012
1445	West	Northwest end of landfill	Previously repaired eroded area with good vegetation growth
1447	East	Northwest end of landfill	Slumped area on the northwest end of the landfill
1452	North	North end of landfill	Gate to Fuels Facility open
1500	South	Fuels Facility	Blue seep on north side of landfill in Fuels Facility and sample location NL-14
1518	Northeast	Northeast end of landfill	Gate open at northeast corner of landfill
1525	Northeast	Southeast end of landfill	Southeast gate closed with a ziptie
1538	Southeast	Southeast end of landfill	Southeast fence line and vegetation
1541	Northeast	South end of landfill	Swale at southern end of landfill with water flowing in it
1544	Southeast	South end of landfill	Small ponded sink hole on the south end of the landfill near well B-1
1546	West	South end of landfill	Ponded water at the south end of a swale
1549	Southwest	Southwest of landfill	Eroded area and swale
1551	West	Southwest of landfill	Swale with exposed liner and eroded area
1552	Southwest	Southwest of landfill	Swale with exposed liner and eroded area

Landfill Primary Inspection Checklist

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Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1554	Northeast	Southwest of landfill	Site vegetation in good condition
1558	South	Southwest of landfill	Ponding stream on southwest side of landfill south of pond
1605	Northeast	Access road	West gate

Additional notes: _____

Select Site Photographs



Photograph 1439 – Repaired eroded area with vegetation growing on the western fence line looking east; continue to monitor.

Landfill Primary Inspection Checklist
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Photograph 1445 – Previously eroded area with sufficient vegetation growth. Continue to monitor repair.



Photograph 1441 – Previously repaired eroded area along western site fence looking west; continue to monitor.

Landfill Primary Inspection Checklist
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Photograph 1444 – Previously repaired eroded area along western site fence; continue to monitor.



Photograph 1551 – Swale with exposed liner and eroded area on the southwest side of the site looking west

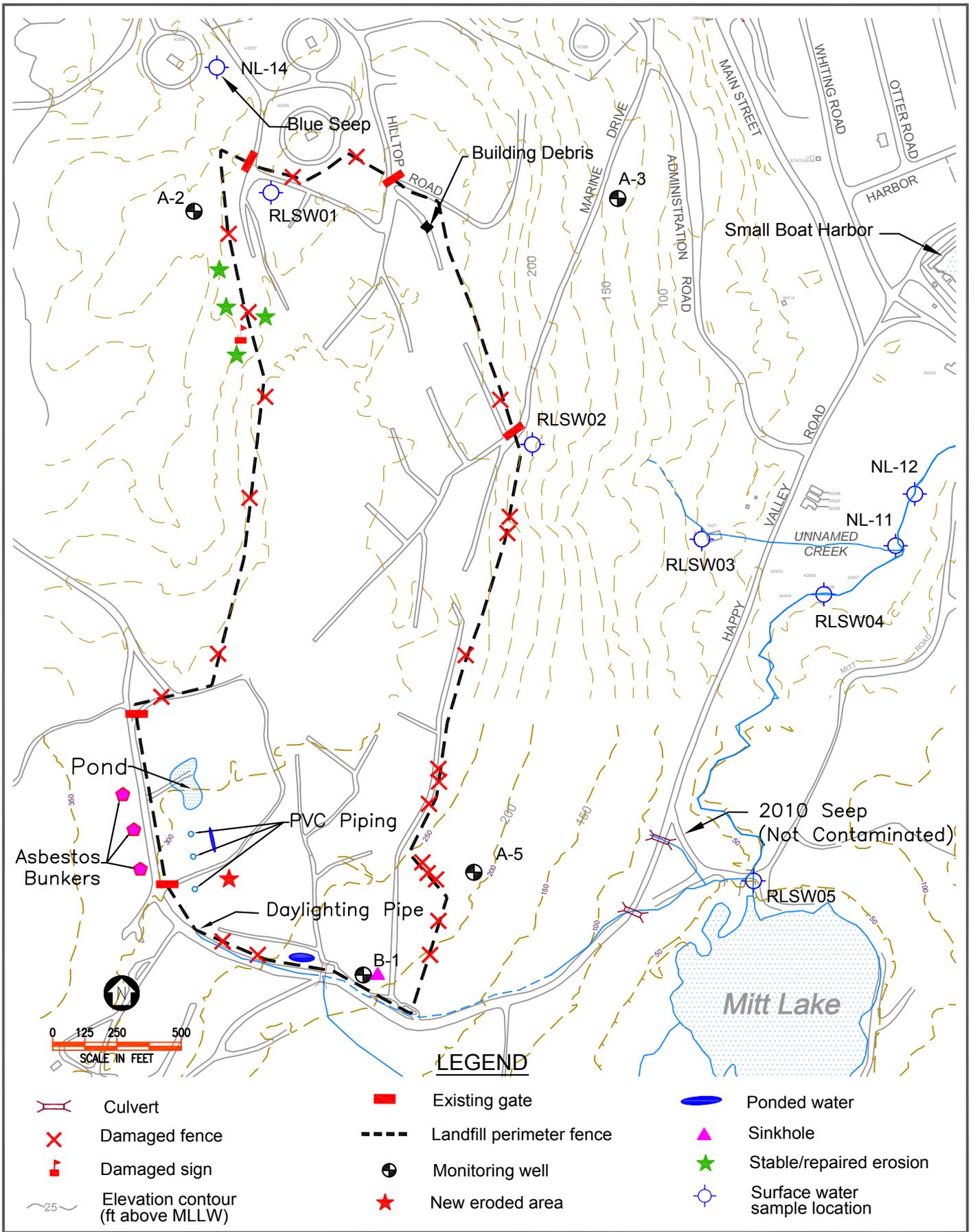
Landfill Primary Inspection Checklist
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Photograph 1452- Gate to Adak Fuels Facility area – as of 2012 gate arms will not line up to lock.



Photograph 1544 – Small, five foot by five foot hole near well B-1.



U.S. NAVY SEALASKA

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

Task Order 66
 Adak Island, AK
 2013 IC
 Inspection Report

Non-Landfill Primary Inspection Checklist
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Site Name: SWMU 24, Hazardous Waste Storage Facility **Map Reference No.:** Figure 2-3

Inspectors: C. Alferness; B. Kercher **Date/Time:** 8-31-13 / 1500

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy, light rain/ 55° 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. | 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 |

Non-Landfill Primary Inspection Checklist
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- 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 no longer used as the island's recycling center although some materials are still onsite. Fifty-five gallon metal drums, a small AST, a conex box with paint cans, and poly totes full of rusty paint cans remain onsite. 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 previous inspections. Some fishing equipment, creosote logs, and compressed gas cylinders (propane, fire extinguishers, etc.) are stored onsite.

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
1212	South	Metals Landfill	Site overview
1213	South	Metals Landfill	Site overview
1507	Southeast	Access road	Site overview
1509	South	Public Works Road	Site overview
1509	Southwest	Public Works Road	Site overview with cylinders
1512	West	Access road	Fishing equipment stored onsite
1515	Northwest	Access road	Drums and small AST stored onsite
1528	North	On site	Conex box with hazardous materials and paint stored inside

Non-Landfill Primary Inspection Checklist
Page 3 of 5

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1529	North	On site	Drum and paint containers with staining and sheen on the ground
1530	South	On site	Sheen on ponded water

Additional notes: Very few items remain on the site: intact 55-gallon drums; compressed gas cylinders, a small AST, creosote logs, containers of various sizes with unknown liquids; and paint wastes. The pink conex 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. Commercial fishing equipment is being stored onsite as well.

Select Site Photographs



Photograph 1212 – Site overview looking south; creosote log pile on northwest site corner, pink conex with drums, paint cans and stained soil near middle of photo, cylinders at northeast site corner.

Non-Landfill Primary Inspection Checklist
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Photograph 1515 – Drums and small AST stored onsite



Photograph 1528 – Conex box with hazardous materials and paint stored inside looking north

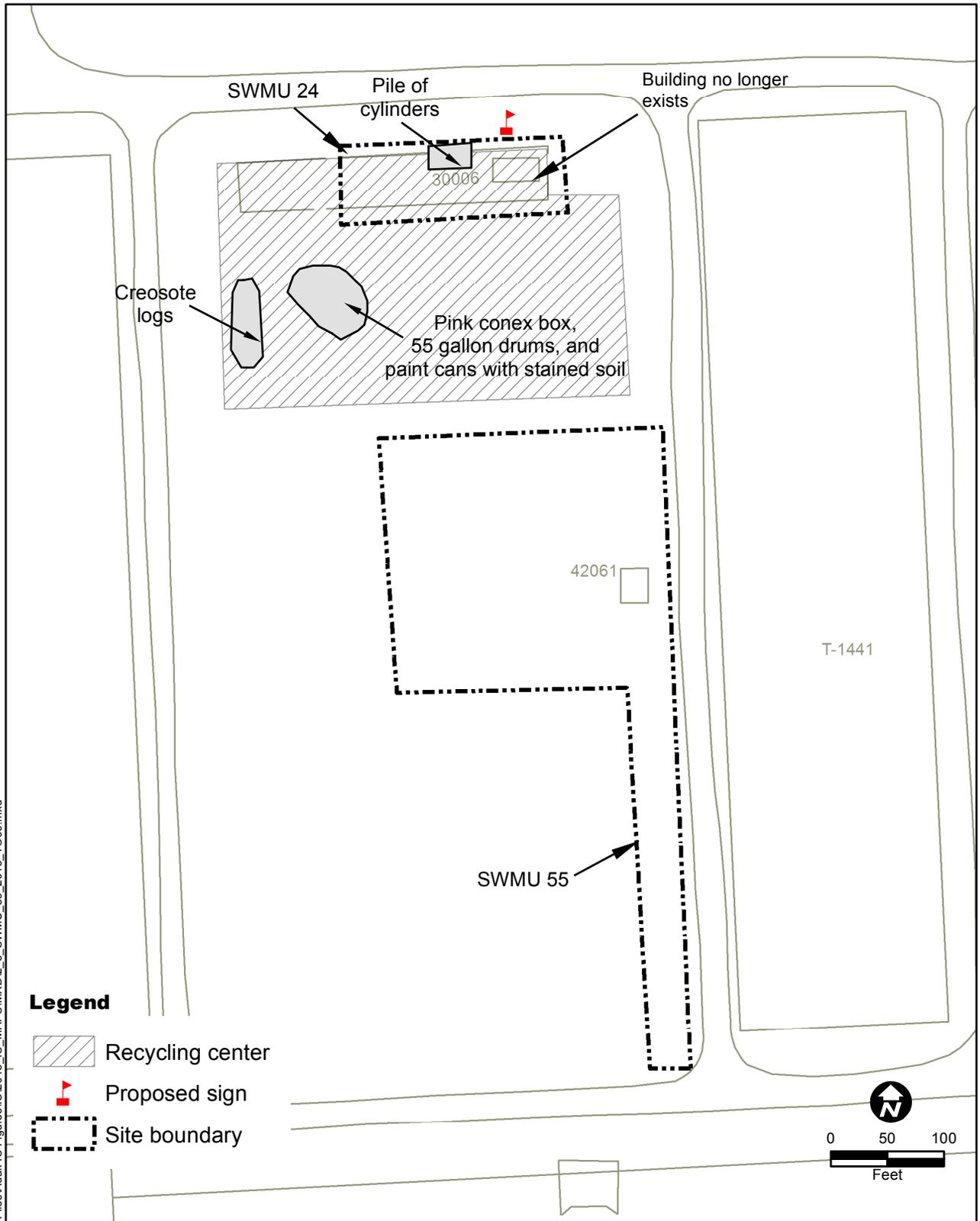
Non-Landfill Primary Inspection Checklist
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Photograph 1529 – Drum and paint containers with staining and sheen on the ground looking north



Photograph 1530 – Sheen on ponded water looking south



Date: 11/13/2013
 Path: F:\Adak CAD\Adak GIS Files\Adak IC Figures\IC2013_IC_MAPSIMXD2_3_SWMU_55_2013_TO66.mxd

U.S. NAVY

SEALASKA

Figure 2-3
SWMU 55, Public Works
Transportation Department Waste Storage Area
and
SWMU 24, Hazardous Waste Storage Facility

Task Order 66
 Adak Island, AK
 2013 IC
 Inspection Report

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: SA 77, Fuel Facility Refueling Dock, Small Drum Storage Area **Map Reference No.:**

Inspectors: C. Alferness; B. Kercher **Date/Time:** 8-30-13 / 1640

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Light wind / 67° 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
1640	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: C. Alferness; B. Kercher **Date/Time:** 8-30-13 / 1700

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Sun / 67° 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..... | <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)..... **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
1701	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: C. Alferness; B. Kercher **Date/Time:** 8-30-13 / 1704

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Sun / 60° 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
1704	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.:** Figure 2-6

Inspectors: C. Alferness; B. Kercher **Date/Time:** 9-3-13 / 0915

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"/> |
| <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 |

The Navy conducted offsite remedial actions in July 2012 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. Vegetation has begun to grow, but the excavation boundary is still visible.

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 amended soil area is in the process of re-vegetating and 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
0915	Southeast	Access road	Drums and ASTs stored onsite
0920	Southwest	Public Works Road	Site overview
0923	South	Southeast side of site	Poly drum half full of used oil without a lid stored on site.
1205	Northwest	Main Road	Excavated area
1205	Northwest	Main Road	Excavated area

Additional notes: The site is used for vehicle storage and maintenance. The vehicle yard was observed to be in similar condition as previous years. Poor housekeeping was observed. Several 55-gallon drums are on site. The label identifies contents as used oil and non-hazardous waste, and Icicle Seafoods is listed as the contact. Two ASTs and a poly drum half full of used oil is located on the southeast corner of the site without a lid or secondary containment.

East Canal

PUBLIC WORKS ROAD

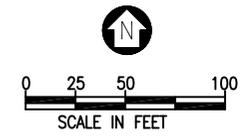
MAIN ROAD

T-1451

55 gallon drums

Poly tank with used oil

Clean amended soil



B-60

U.S.NAVY

SEALASKA

**Figure 2-6
Former Power Plant
Building T-1451**

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Non-Landfill Primary Inspection Checklist
Page 1 of 2

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

Inspectors: C. Alferness; B. Poole **Date/Time:** 8-31-13 / 1320

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Overcast / 57° 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
1324	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: C. Alferness; B. Kercher **Date/Time:** 8-30-13 / 1720

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Sun / 67° 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
1719	North	Access road	Runway 5-23 Avgas Valve Pit area and sign

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: SA 79, Main Road Pipeline **Map Reference No.:** _____

Inspectors: C. Alferness; B. Kercher **Date/Time:** 8-30-13 / 1650

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: light wind / 67° 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
1646	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: C. Alferness; B. Kercher **Date/Time:** 8-30-13 / 1658

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: light wind / 68° 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
1655	West	Road	Former fueling platform
1656	South	Road	Excavation sign

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: SWMU 61, Tank Farm B **Map Reference No.:** _____

Inspectors: C. Alferness; B. Kercher **Date/Time:** 8-31-13 / 1350

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Partly cloudy, wind / 60° 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 checked="" type="checkbox"/> | <input type="checkbox"/> |
| <hr/> | | |
| <u>Sign has bullet holes which do not impact ability to read the sign.</u> | | |

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
1349	East	Access road	Sign and site
1352	East	End of access road	North Sweeper Creek east of the site

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: Housing Area (Arctic Acres) **Map Reference No.:** _____

Inspectors: C. Alferness; B. Kercher **Date/Time:** 8-31-13 / 1419

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy, light rain / 60° F

Sign Inspection:

- | | Yes | No |
|--|-------------------------------------|-------------------------------------|
| 1. Are there any signs located at the site? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <u>Two signs at 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.) | <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"/> |
| 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
1418	Northwest	Street	Site and sign on east side of site
1419	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: C. Alferness, B. Kercher **Date/Time:** 8-31-13 / 1423

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy / 60°

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
1423	Northwest	Main Road	GCI Compound Area and sign

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: Area 303 **Map Reference No.:** Figure 2-7

Inspectors: C. Alferness; B. Kercher **Date/Time:** 8-31-13 / 1427

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy / 60° F

Sign Inspection:

- | | Yes | No |
|--|-------------------------------------|-------------------------------------|
| 1. Are there any signs located at the site? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <u>One sign is located on the west side of the site facing the airport.</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"/> |
| 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..... **X**
- Building T-2776 is currently used by the City of Adak for emergency vehicle storage. Drum over packs (polys) and two 55-gallon drums were observed next to the building. The polys and drums were in secondary containment but not covered.
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**

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:

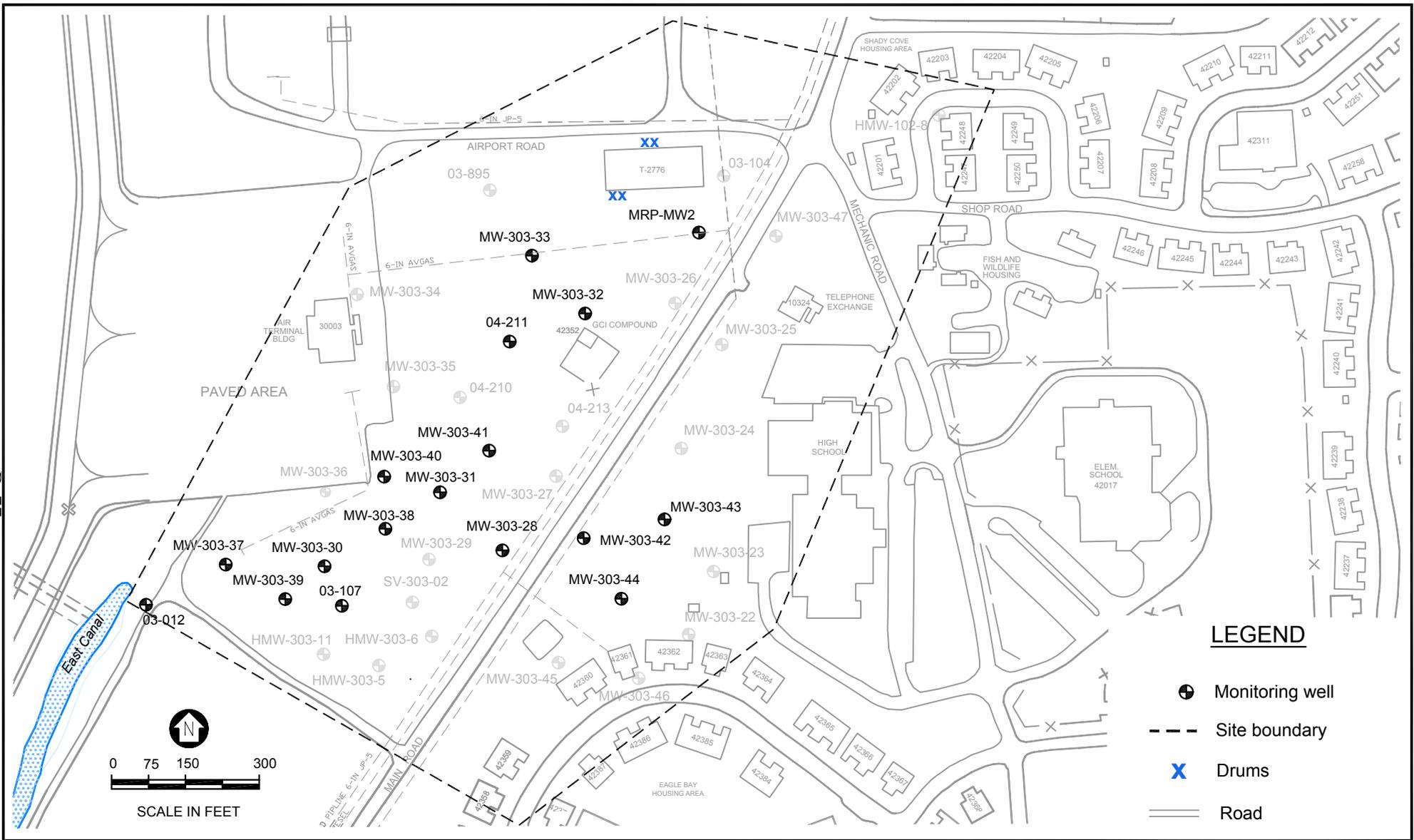
13. Were there any findings/recommendations in the previous investigation report that required maintenance or repairs and has the work been completed..... NA
-

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
8-31-13			
1427	South	Main Road	Site overview
1429	Southeast	GCI access road	Site overview
1433	South	Airport Road	Poly over pack drums in front of building
1436	South	Airport Road	55-gallon drums stored on west side of building
1439	North	Access road	Site overview with building in background
9-4-13			
1207	East	Airport parking lot	Excavation restriction sign

Additional notes: _____



U.S.NAVY SEALASKA

**Figure 2-7
Area 303**

Task Order 66
Adak Island, Alaska
2013 IC
Inspection Report

Non-Landfill Primary Inspection Checklist
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Site Name: NMCB Building T-1416 Expanded Area **Map Reference No.:** Figure 2-8

Inspectors: C. Alferness B. Kercher **Date/Time:** 9-3-13 / 0850

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..... | <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 checked="" type="checkbox"/> | <input type="checkbox"/> |

A drainage ditch less than 2 feet deep runs along the south end of the site to the shore. Flooding occurred on site and the ditch was added to help drain the water off site. Since the total depth is less than 2 feet a permit was not required.

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..... | <input type="checkbox"/> | 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)..... | <input type="checkbox"/> | X |
|-----|---|--------------------------|----------|
-

- | | | | |
|-----|---|-----------------------------|--------------------------|
| 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"/> |
|-----|---|-----------------------------|--------------------------|
-

- | | | | |
|-----|--|-----------------------------|--------------------------|
| 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"/> |
|-----|--|-----------------------------|--------------------------|
-

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 | <input type="checkbox"/> |
|-----|--|----------|--------------------------|

Poor housekeeping activities persist at the site. Poly-containers of waste oil, stained soil, 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
0849	South	West of buildings	Sign and site looking south
0851	East	South side of building	Poly drums on south side of building
0853	East	West side of buildings	Poly drum and PVC pipe in ditch
0854	West	West side of buildings	New drainage trench running west then southwest to drain at armor rock
0903	Southeast	Access road	Building and location where gasoline tank used to be stored
0907	West	Access road	Site and excavation 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. 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.

Site Photographs



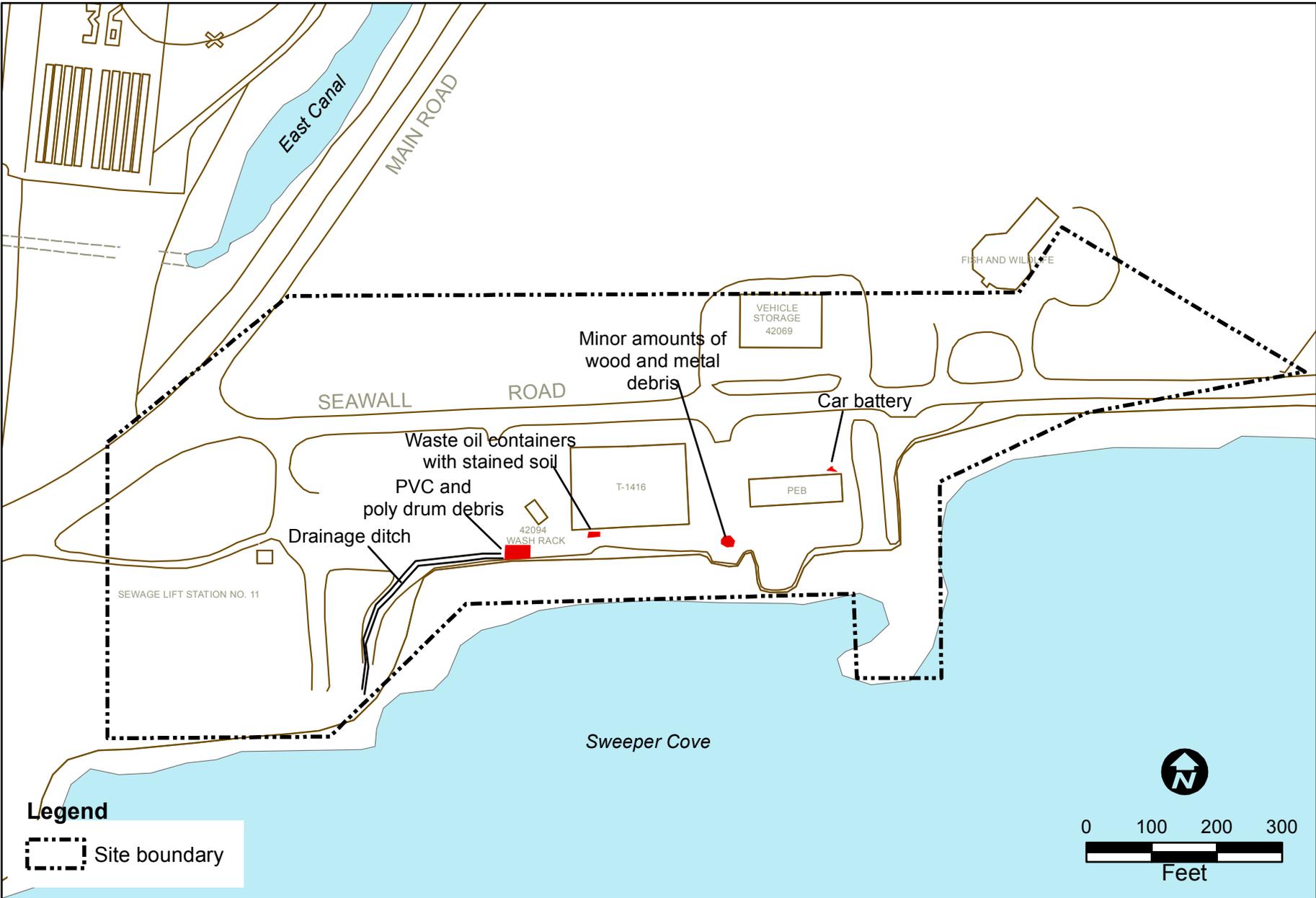
Photograph 0851 – Poly drums on the south side of building looking east



Photograph 0853 – Poly drum and PVC pipe in ditch on the west side of buildings looking east
PRODUCTION – INSERT FIGURE 2-8

Date Saved: 11/13/2013 4:50:50 PM
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B-81



U.S. NAVY

SEALASKA

Figure 2-8
NMCB Expanded Area

Task Order 66
Adak Island, AK
2013 IC Inspection Report

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: NORPAC Hill Seep Area **Map Reference No.:** _____

Inspectors: C. Alferness; B. Kercher **Date/Time:** 8-31-13 / 1310

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy / 57°

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
1310	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: C. Alferness; B. Kercher **Date/Time:** 8-31-13 / 1355

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy/ 60° 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
1406	South	Road	SA 80, Steam Plant No. 4 and sign

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: South of Runway 18/36 Area **Map Reference No.:** _____

Inspectors: C. Alferness; B. Kercher **Date/Time:** 9-3-13 / 0845

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: clear, light 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).....

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
0844	North	Main Road	South of Runway 18/36 recovery trench sumps and sign
0847	North	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: SWMU 62, New Housing Fuel Leak **Map Reference No.:** _____

Inspectors: C. Alferness; B. Kercher **Date/Time:** 8-31-13 / 1440

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Rain, 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? If yes, explain and document photographs below..... **X**

Residential use within SWMU 62 is acceptable under the ICMP. No other land use change.

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**

As observed in 2012, the excavated area approximately 7 feet by 7 feet in the front lawn of condo 140D is visible with vegetation covering most of the area. This is located offsite adjacent to the east edge of the site boundary.

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**

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
1443	Southeast	Main Road	Residential area and sign
1448	West	Street	Sandy Cove unit 140D excavation in front yard

Additional notes: Three old fuel recovery systems located in Sandy Cove were removed in November 2012.

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: Tanker Shed UST 42494 **Map Reference No.:** _____

Inspectors: C. Alferness; B. Kercher **Date/Time:** 8-31-13 / 1410

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Rain, light wind / 60° 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**

The small remediation system (yellow poly tank) observed in the 2012 inspection was removed 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
8-31-13			
1410	Southwest	Access road	Site overview
1413	South	Access road	Locked gate at site
9-3-13			
1533	South	Access road	Site overview with sampling crews

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: Yakutat Hangar, UST 2039-A **Map Reference No.:** _____

Inspectors: C. Alferness; B. Kercher **Date/Time:** 8-30-31 / 1715

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Sun / 67° F

Sign Inspection:

- | | | Yes | No |
|----|---|-------------------------------------|-------------------------------------|
| 1. | Are there any signs located at the site? | <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"/> |
| 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
1715	South	Access road	Yakutat Hangar site and sign

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 4

Site Name: SWMU 20, White Alice/Trout Creek Disposal Area **Map Reference No.:** Figure 3-1

Inspectors: C. Alferness; B. Kercher **Date/Time:** 9-3-13 / 1256

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Partly cloudy, windy / 48° 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
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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
1256	North	North boundary	Site and excavation sign
1259	East	North boundary	Cliff edge with exposed debris in hillside
1300	East	North boundary	Cliff edge looking at the eroded area close up
1300	East	North boundary	Cliff edge looking at the eroded hillside
1444	Southwest	SWMU 18	Overview of the site in the distance
1445	Southwest	SWMU 18	Overview of the site in the distance

Additional notes: Cliff edge near the west southern-most end of the site has eroded. The area is approximately 60 feet long and 15 feet wide. No debris is exposed.

Select Site Photographs



Photograph 1259 – Cliff edge with exposed debris in hillside on the north boundary of the site looking east



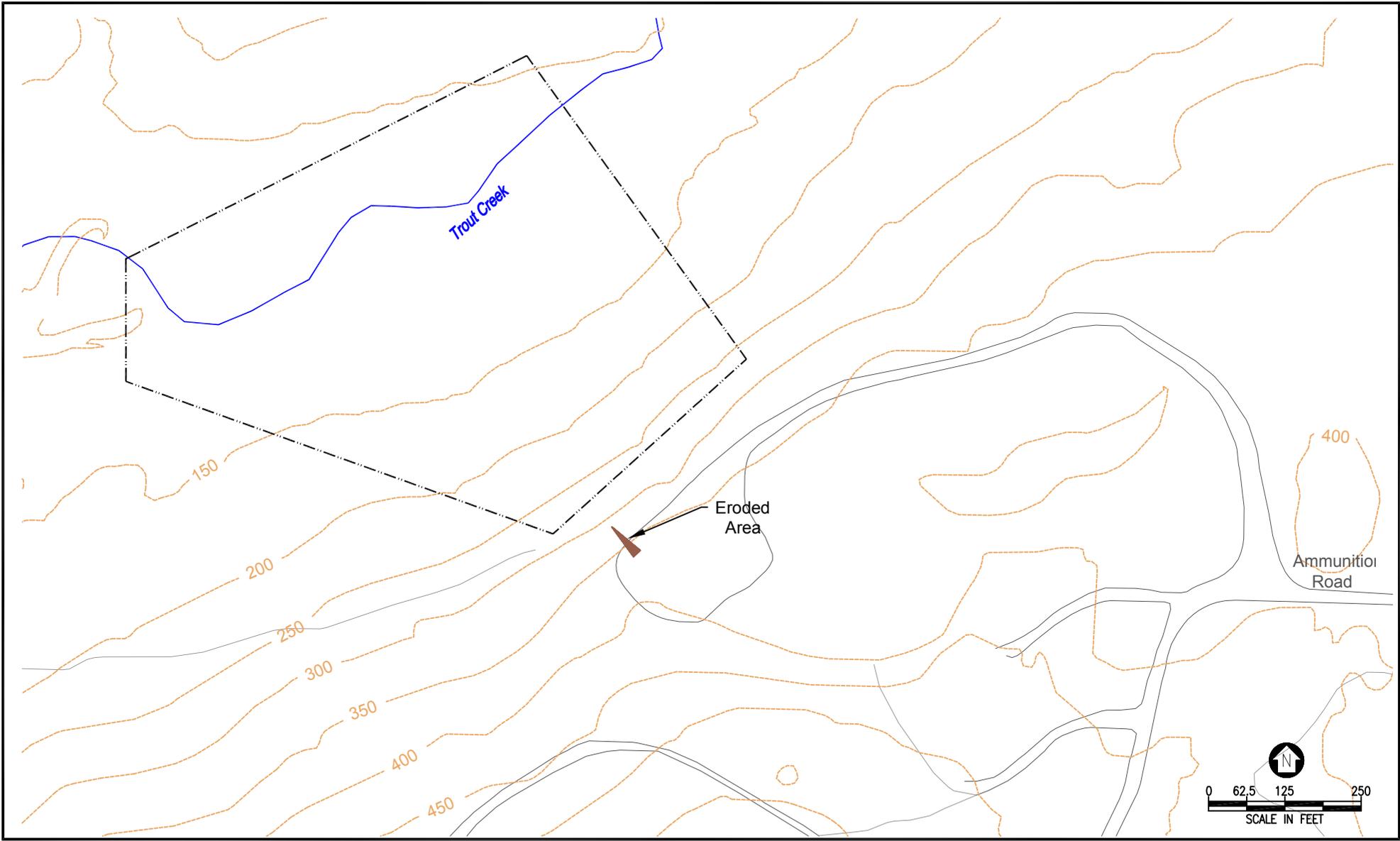
Photograph 1300 – Cliff edge looking at the eroded hillside close up on the north boundary looking east

Non-Landfill Primary Inspection Checklist
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Photograph 1300 – Cliff edge looking at the eroded hillside on the north boundary looking east

B-98



U.S.NAVY

SEALASKA

**Figure 3-1
SWMU 20
White Alice Trout Creek
Disposal Area**

Task Order 66
Adak Island, AK
2013 IC Inspection Report

Non-Landfill Primary Inspection Checklist

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Site Name: SWMU 21A, White Alice Upper Quarry Map Reference No.: _____

Inspectors: C. Alferness; B. Kercher Date/Time: 9-3-13 / 1235

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Partly cloudy, windy / 46° 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
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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
1235	West	Access road	SWMU 21 signs
1236	West	Access road	SWMU 21 quarry and sign

Additional notes: _____

Non-Landfill Primary Inspection Checklist

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Site Name: SWMU 23, Heart Lake Drum Disposal Area Map Reference No.: _____

Inspectors: C. Alferness; B. Kercher Date/Time: 8-30-13 / 1627

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Partly cloudy/ 60° 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
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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
1627	West	Access road	Heart Lake Drum Disposal sign
1628	West	Access road	Heart Lake Drum Disposal Area

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: SWMU 67, White Alice PCB Spill Site **Map Reference No.:** _____

Inspectors: C. Alferness; B. Kercher **Date/Time:** 9-3-13 / 1234

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Partly cloudy, windy / 44° 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
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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
1234	Southwest	Access road	Site and sign
1243	West	Top of SWMU 67	Cell tower at SWMU 67
1245	west	Top of SWMU 67	SWMU 67 site overview
1245	West	Top of SWMU 67	SWMU 67 site overview

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: SWMUs 52, 53, 59 Former LORAN Station **Map Reference No.:** _____

Inspectors: C. Alferness; B. Kercher **Date/Time:** 9-1-13 / 0910

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Partly cloudy, light wind / 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
0918	North	Access road	LORAN Station site and sign from road
0933	Northeast	Site	LORAN Station building

Additional notes: Road to the site is blocked by fallen rocks. Access is by foot or off-road vehicles only.

Landfill Primary Inspection Checklist

Page 1 of 3

Site Name: SWMU 2, Causeway Landfill **Map Reference No.:** _____

Inspectors: C. Alferness; B. Kercher **Date/Time:** 8-31-13 / 1120

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
1121	West	Access road	Sign with landfill in background

Additional notes: _____

Landfill Primary Inspection Checklist

Page 1 of 4

Site Name: SWMU 4, South Davis Road Landfill Map Reference No.: Figure 3-2

Inspectors: C. Alferness; B. Kercher Date/Time: 9-1-13 / 1035

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy / 55° F

Landfill Cap Inspection:

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| 1. Is water draining off the cap? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <u>Water is flowing in the north swale.</u> | | |
| 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 first in 2011, erosion was again observed along the last four feet of the northern swale where it enters the beach. 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 checked="" type="checkbox"/> | <input type="checkbox"/> |
| <u>Several pieces of metal debris were observed scattered across the landfill and on the beach below the new seep.</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 checked="" type="checkbox"/> | <input type="checkbox"/> |
| <u>A seep located approximately 20 feet south of the southern swale was observed. The seep was approximately 8 feet wide and flowing at approximately 0.5 liters per minute. No odors or sheen were observed.</u> | | |
| 10. Is this a new seep? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Landfill Primary Inspection Checklist

Page 2 of 4

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

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
1039	West	Access road	Site overview and sign
1042	North	Shoreline	Site vegetation overview
1044	East	Shoreline	Eroded swale
1045	South	North end of site	Site overview
1047	East	South end of site	Seep at south end of site
1047	South	South end of site	Seep up close with some metal debris
1049	Northeast	South end of site	Seep overview
1049	Northeast	South end of site	Seep up close
1055	Southwest	South end of site	Drum south of site

Additional notes: _____

Select Site Photographs

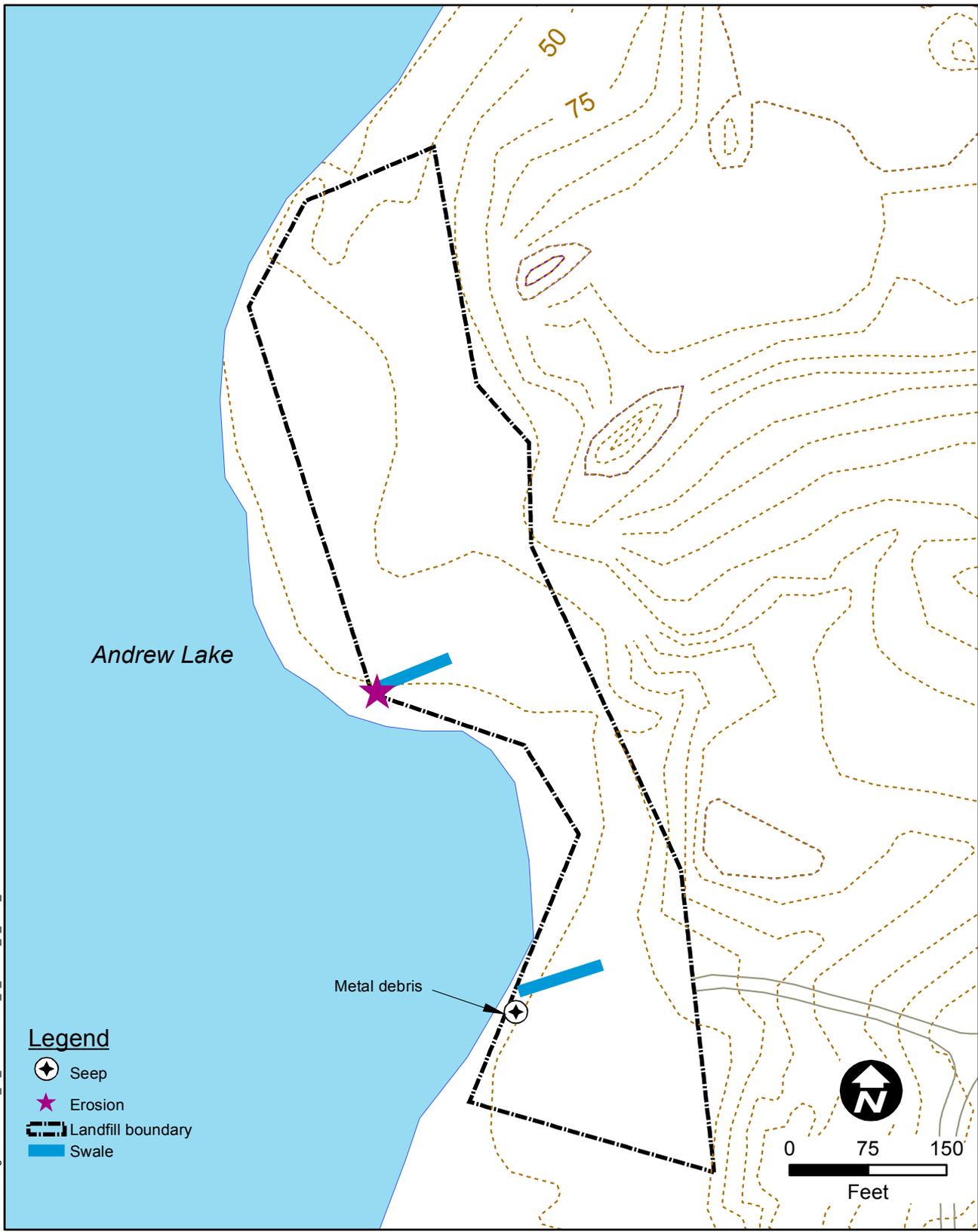


Photograph 1044 – Eroded swale along the shoreline looking east



Photograph 1049 – Seep overview at the south end of the site looking northeast

Date: 11/19/2013
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U.S. NAVY SEALASKA

**Figure 3-2
SWMU 4, South Davis Road Landfill**

Task Order 66
Adak Island, AK
2013 IC
Inspection Report

Landfill Primary Inspection Checklist

Page 1 of 4

Site Name: SWMU 11, Palisades Landfill Map Reference No.: Figure 3-3

Inspectors: C. Alferness; B. Kercher Date/Time: 8-31-13/ 0830

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Overcast, rain/ 52° F

Landfill Cap Inspection:

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

Draining water was observed in the seasonal stream. It was not observed in any swales during inspection.

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 2013 inspection. The pond was much smaller than last year. The pond was approximately 25 feet across at its widest. Water was observed flowing into the previously noted sinkhole at the southern end of the pond but at a much lower rate than observed in 2012. Although, it could not be visually confirmed, it is presumed the water was flowing underground and exiting further down the ravine. The collapsed culvert may be on the northern side of 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 increased in size since 2012. Metal debris was observed in the sinkhole which was approximately 15 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 4

Yes **No**

10. Is this a new seep?NA

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**

One sign on the northeast side of the site is leaning, one sign on the northwest side of the site is faded and bent, and needs 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**

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**

Sign damage was first reported 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..... **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

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

Sign still needs repair, sinkhole and culvert need 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
0840	North	Access road	Swale overview
0844	North	South of pond	Lower culvert and armor rock
0847	North	South of pond	Ponded area
0849	South	Sinkhole near stream	Sinkhole
0904	South	North side of site	Site vegetation
0906	Northeast	North end of site	Stream north of ponded area
0920	Northeast	Access road	Sign and sight overview
0934	Southwest	Bayshore Hwy	Faded sign on northeast corner of site

Additional notes: _____

Site Photographs



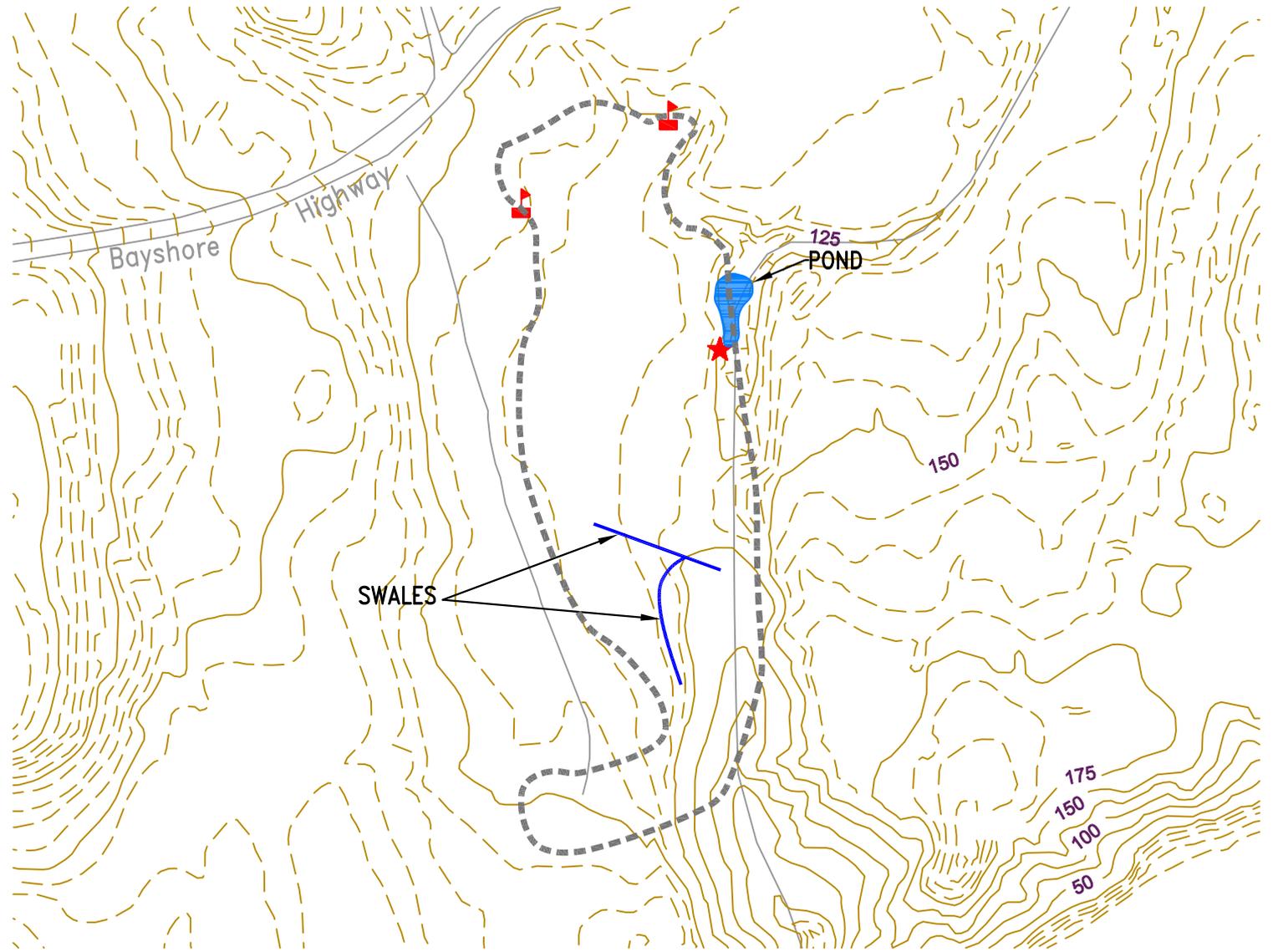
Photograph 0847 – View of ponded area from the south end of the pond looking north



Photograph 0849 – Sinkhole in the stream looking south

LEGEND

-  150 Elevation contour (ft Above MLLW)
-  Landfill boundary
-  Metal debris in sinkhole
-  Road
-  Damaged sign location



B-119

U.S.NAVY SEALASKA

**Figure 3-3
SWMU 11, Palisades Landfill**

Task Order 66
Adak Island, AK
2013 IC
INSPECTION REPORT

Landfill Primary Inspection Checklist

Page 1 of 5

Site Name: SWMUs 18/19 White Alice Landfill **Map Reference No.:** Figure 3-4

Inspectors: C. Alferness; B. Kercher **Date/Time:** 9-3-13 / 1430

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 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. One additional small 4 foot by 5 foot area of exposed swale liner was observed at the confluence on the landfill just above the previously eroded area. 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 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

- | | 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 partially obscured by vegetation. The sign should be moved or raised.</u> | | |
| <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"/> |
| <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 22 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 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
1429	Northwest	Southeast side of landfill	Entrance gate and sign
1433	east	South of landfill	Swale at south end of landfill
1434	Southwest	Southern end of landfill boundary	Exposed swale at the confluence of two swales at the southwest end of the site
1435	Southeast	South of landfill boundary	Southern swale with exposed liner and sparse vegetation
1436	southeast	South of landfill boundary	Bottom of southern swale with exposed liner and sparse vegetation
1438	northeast	West side of landfill	Overview of site vegetation
1443	northwest	North of landfill boundary	Pond north of landfill
1444	Southwest	Northern boundary of landfill	Site overview
1446	Southwest	Northern boundary of landfill	Site overview
1449	West	East side of landfill	Site overview
1453	Southeast	Southeast side of landfill	Eroded area southeast of site

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.

Select Site Photographs



Photograph 1435- Additional view of the southern swale with exposed liner and sparse vegetation looking southeast



Photograph 1436 – Bottom of southern swale with exposed liner and sparse vegetation looking southeast

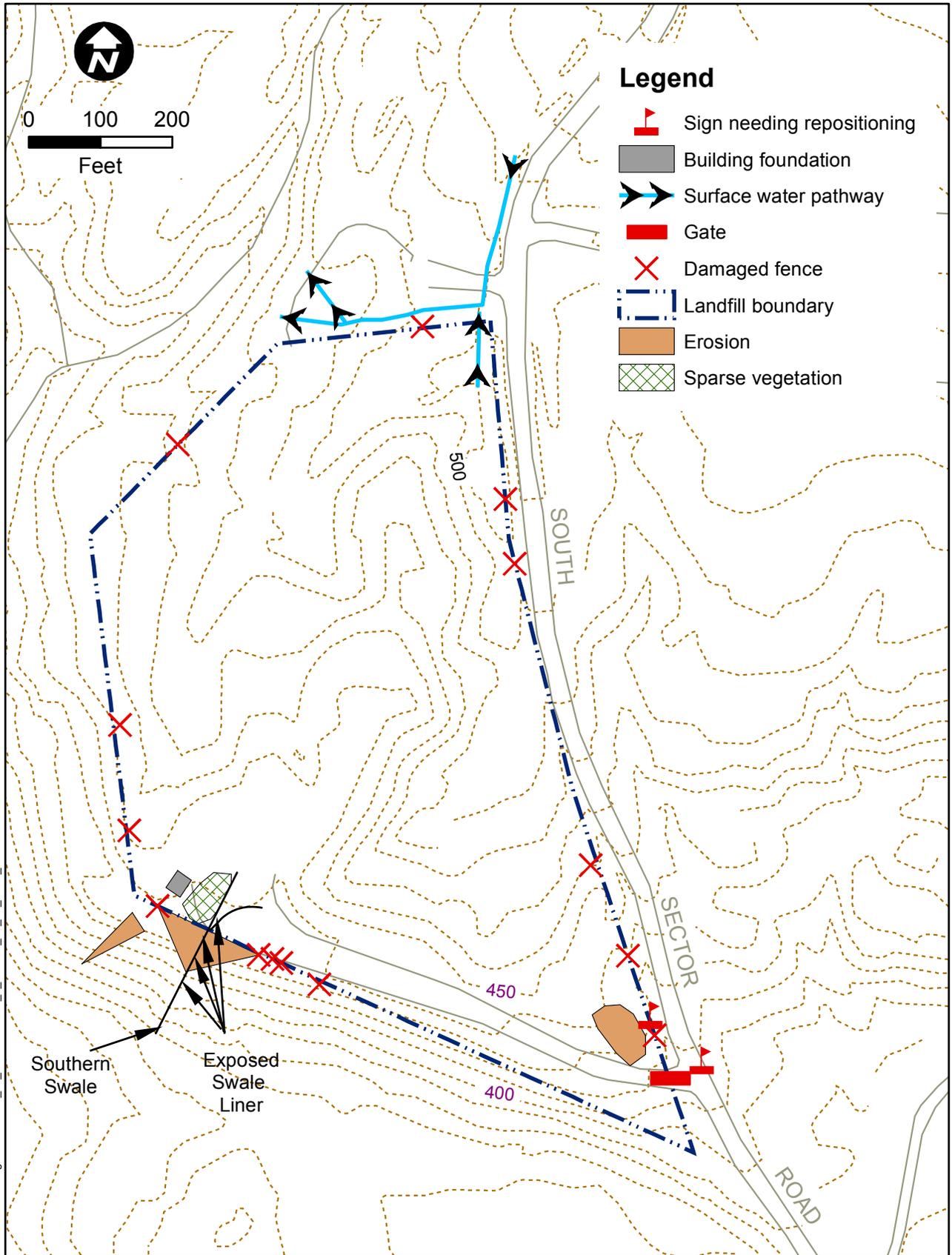
Landfill Primary Inspection Checklist
Page 5 of 5



Photograph 1429 – Partially obscured sign at gate entrance to landfill, view north



Photograph 1453 – Eroded area that is off the landfill cap view south.



DEC 19, 2012
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U.S. NAVY	SEALASKA	Figure 3-4 SWMU 18/19, White Alice Landfill
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Task Order 66
 Adak Island, AK
 2013 IC
 Inspection Report

Landfill Primary Inspection Checklist
Page 1 of 6

Site Name: SWMU 29, Finger Bay Landfill **Map Reference No.:** Figure 3-5

Inspectors: C Alferness; B. Kercher **Date/Time:** 8-30-13 / 1115

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?..... **X**

Much of the area is marshy with thick tundra. Due to recent rains, saturated ground and ponding was observed across the site. The water levels in the ponds noted in 2012 were lower compared to the 2013 inspection. The pond observed on the east side of site's highest point was observed to be approximately 4 feet by 20 feet in size. The pond observed during previous inspections, which contained wood and metal debris and is located in the central section of the landfill, was estimated to be approximately 30 feet by 15 feet in 2013. A small hole was observed with standing water approximately 4 feet by 2 feet on the south side of the site.

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**

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**

The metal and wood debris observed in the pond in the central portion of the landfill in 2011 were mostly submerged during both the 2012 and 2013 inspection. Small quantities of debris were noted on the surface of the landfill east of the high point.

Landfill Primary Inspection Checklist

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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. 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 or 2013.

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
1122	Northeast	Westside of landfill	Site overview and sign
1125	Northwest	South side of landfill	Site overview
1126	Northeast	Center of landfill	Ponding on the north central area of the site
1128	Southeast	West side of landfill	Site overview
1132	Southwest	South side of landfill	Former seep location
1133	North	South side of landfill	Drum and power pole observed onsite
1134	North	East side of landfill	Debris on east side of mound
1135	West	East side of high point	Ponded area east of high point
1136	Southwest	East pond	Vegetation on the east side of the landfill
1141	East	South side of landfill	Hole on southwest side of landfill

Additional notes: _____

Select Site Photographs



Photograph 1128 – Site overview from the west side of the landfill looking southeast



Photograph 1133 – Drum and power pole observed onsite on the south side of the landfill looking north



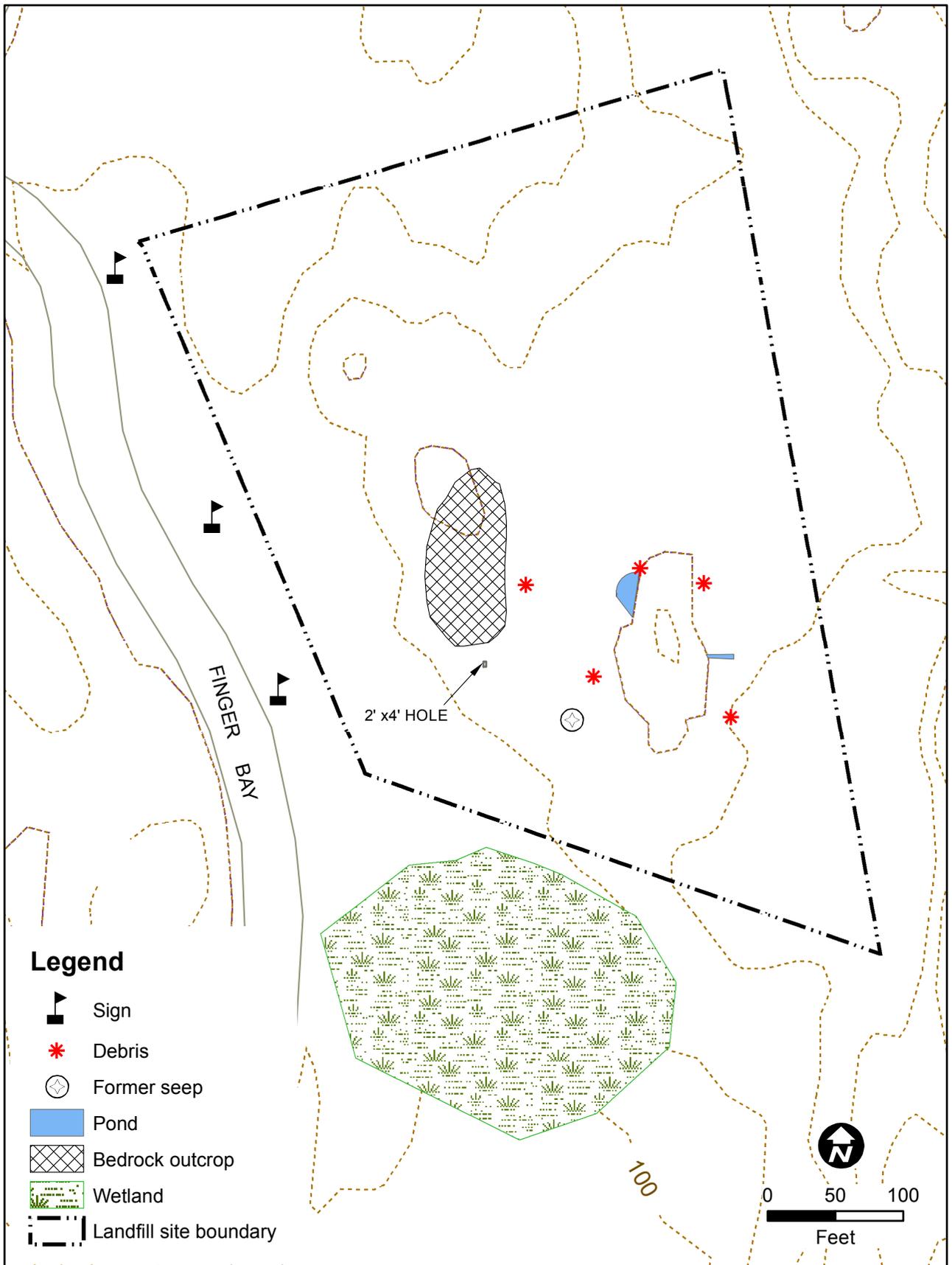
Photograph 1134 – Debris on the east side of mound looking north



Photograph 1135 – Ponded area east of high point looking west



Photograph 1141 – Hole on southwest side of landfill looking east



Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: Antenna Field USTs ANT-1 to ANT-4 **Map Reference No.:** _____

Inspectors: C. Alferness; B. Kercher **Date/Time:** 8/31/13 / 0936

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Rain, light wind / 50° 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"/> |

Monitoring well decommissioning was conducted in spring 2013 by Navy. A permit was not required since ground disturbance did not exceed 2 feet below ground surface.

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
0936	Northwest	Access road	Site and sign
0958	North	Site	Decommissioned well location
1003	South	Site	Decommissioned well location
1003	Southeast	Site	Site overview

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: C. Alferness; B. Kercher **Date/Time:** 9-3-13 / 1408

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Partly 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
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
1342	South	West access road	Sign on west side of site
1406	North	East access road	Sign and site

Additional notes: The site is only accessible by foot, 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: C. Alferness; B. Kercher **Date/Time:** 8-30-13 / 1202

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"/> |
| <u>The sign has bullet holes in it, but it is still legible.</u> | | |
| <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
1202	West	Finger Bay Road	Site sign
1204	West	Site	Site overview

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: MAUW Compound (UST-24000-A) **Map Reference No.:** _____

Inspectors: C. Alferness; B. Kercher **Date/Time:** 8-31-13 / 1343

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..... | <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
1344	Southwest	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: C. Alferness; B. Kercher **Date/Time:** 8-31-13 / 1335

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy / 66° 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
1332	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: C. Alferness; B. Kercher **Date/Time:** 8-31-13 / 1034

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Rain, wind / 55° F

Sign Inspection:

- | | | Yes | No |
|--------------------------------|---|--------------------------|--------------------------|
| 1. | Are there any signs located at the site? | X | <input type="checkbox"/> |
| <u>Three signs are posted.</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 |

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
1034	Northwest	Access road	Sign and site
1034	Southeast	Access road	Site and sign

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: SA 78, Old Transportation Building **Map Reference No.:** _____

Inspectors: C. Alferness; B. Kercher **Date/Time:** 8-31-13 / 1109

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Rain/ 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
1107	East	Center of site	Sign
1108	North	Southeast border	Site and sign

Additional notes: _____

Non-Landfill Primary Inspection Checklist
Page 1 of 2

Site Name: SA 82, P-80/P-81 Buildings **Map Reference No.:** _____

Inspectors: C. Alferness; B. Kercher **Date/Time:** 9-1-13 / 0845

Company: SEALASKA ENVIRONMENTAL SERVICES

Weather/Temperature: Cloudy, wind / 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 |

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
0849	North	Access road	SA 82, P-80/P-81 Buildings and sign
0850	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: C. Alferness; B. Kercher _____ **Date/Time:** 8-31-13 / 1050 _____

Company: SEALASKA ENVIRONMENTAL SERVICES _____

Weather/Temperature: Rain, wind / 55° F _____

Sign Inspection:

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

There are 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**

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**

One is bent and starting to fade.

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**

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
1050	West	Access road	SA 88 site and sign
1052	Northeast	Access road	SA 88 site and faded bent sign

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 9-5-13).

Does USF&W have sufficient supply of hiking trail maps?

X

There are sufficient hiking trail maps available as of 9-4-13. 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 9-1-13 and 9-3-13 (see Figure 3-6).

SWMU 1, Andrew Lake Waste Ordnance Demolition Range: The gate at the southeast entrance was inspected and observed to be closed and locked. The sign was missing. 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 and 2013 inspections. The signs on either side of the road at the west entrance observed during the 2012 inspection were no longer present during the 2013 inspection.

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 2013 inspection, two sections of fencing along the north fence line and sixteen sections along the east fence line needed to be repaired. One sign along the eastern fence line need to be replaced because they are not legible. The gate at the Lake Andrew Recreation Center appeared to be in good condition during the time of inspection. Five sections of fencing along the south fence line behind the Lake Andrew Recreation Center needed to be repaired. The “restricted access” sign on the gate near the Andrew Lake Recreation Center was missing during the 2013 inspection (see Figure 3-5).

SWMU 1, Andrew Lake Waste Ordnance Demolition Range Photos (9/3/13):

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1332	Northwest	Access road	Northeast gate at SWMU 1
1339	West	Access road	Faded sign
1346	North	Access road	Missing sign location near Lake Jean
1350	North	Access road	Military reservation sign on the north side of Lake Jean

Parcel 4 (Navy Retained Lands) Inspection Checklist
Page 2 of 2

SA 93, WWII Mortar Impact Area Photos (9/1/13):

Time Taken	Direction Facing	Location Taken From	Subject of Photograph
1001	South	Northeast corner	Northeast fence and gate
1007	West	East fence line	Faded sign along east fence line
1026	North	Andrew Lake Recreation Center	Gate at Lake Andrew Recreation Center with missing sign

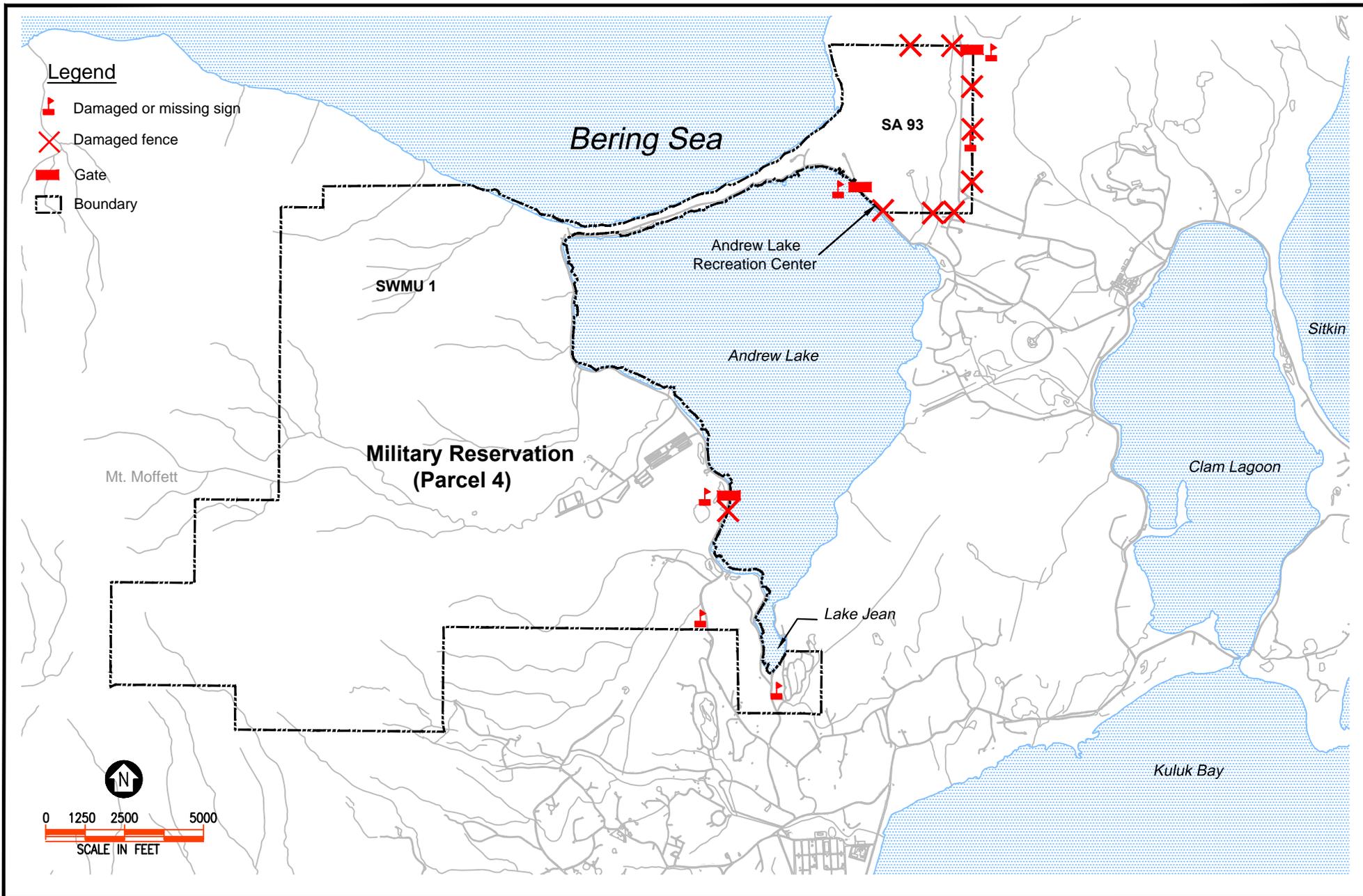
Select Site Photographs



Photograph 1339 – Faded sign example along access road looking west



Photograph 1026 – Gate at Lake Andrew Recreation Center with missing sign looking north



B-153

U.S.NAVY

SEALASKA

**Figure 3-6
Parcel 4**

Task Order 66
Adak Island, AK
2013 IC Inspection Report

Institutional Control Education Evaluation

Name: Ivan Hodges
 Address: Pd Box 2075 Adak, AK 99546
 Telephone: (907) 952-6133
 E-mail address: ihodges@alaska.edu
 Date: 3 Sept 13

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 school year
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.		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

Name: Nicole Gordon
 Address: Adak, AK
 Telephone: _____
 E-mail address: _____
 Date: 9/2/13

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, ordinance 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/ordinance 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 ordinance 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 ordinance 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 ordinance 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?**

No

Institutional Control Education Evaluation

Name: Mike Kauray
 Address: Adak
 Telephone: _____
 E-mail address: _____
 Date: 9/2/13

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)**

Any

- 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?

No

Institutional Control Education Evaluation

Name: Molly Lashier
 Address: PO Box 2083 Adak AK 99546
 Telephone: (907) 572-9215
 E-mail address: mollylashier@yahoo.com
 Date: 3 Sept. 2013

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?	✓		first day of school
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.	✓		class discussions, visitors
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

Name: Julie Plummer - Adak School
 Address: PO Box 2083 Adak, AK 99596
 Telephone: 907-592-3820
 E-mail address: elaadax@yahoo.com
 Date: 9-3-13

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	I filter water from sinks
B. Teachers			
Is the ordnance awareness DVD being shown and	X		elam

when?			
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.	X		color books
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?		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		Salmon halibut

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)

Thanks for always informing our students at Adak AND for cool gifts.

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? *NO*

Institutional Control Education Evaluation

Name: Joe Galakgondh
 Address: Adak
 Telephone: _____
 E-mail address: _____
 Date: 9/1/13

1. Please check the following that apply:

- Adak Resident (go to 2)**
 - I have lived here for over 1 year. 7 yrs
 - 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?

Advise the City.

Institutional Control Education Evaluation

Name: Olivia Hodes
 Address: 148 B Sandy Cove, Adak, AK 99546
 Telephone: (907) 538-5481
 E-mail address: olivia.hodes@gmail.com
 Date: September 3, 2013

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	X		1st day of school

when?			
Are other education activities occurring to make the kids aware of the hazards associated with ordnance? If so, please describe these activities.	X		Discussion when we go outside / on field trips.
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?**

No.

Institutional Control Education Evaluation

Name: Elaine Stilet
 Address: Adak AK
 Telephone: _____
 E-mail address: _____
 Date: 9/2/13

1. Please check the following that apply:

- Adak Resident (go to 2)**
 - I have lived here for over 1 year. 2004
 - 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		Hard in winter to know where the mine is
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) Computer at Community Center

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?

Keeping up the ~~information~~ information
up to date

Institutional Control Education Evaluation

Name: Rod Whitehead

Address: Adak AK

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. Since 2003
 - 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, ordinance 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) _____

Enough around.

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?

Some Old Signs aren't sure if they are outdated and not Required/ enforced. Maybe date Signs

Institutional Control Education Evaluation

Name: ARI Zaina
 Address: Adaka AK
 Telephone: _____
 E-mail address: _____
 Date: 9/2/13

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		4 times
Do you routinely eat rock sole?		X	
If so, how many times per week?			
Do you routinely eat other fish? If so what fish?			Halibut Salmon, Black Cod.

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

Name: Yuna
 Address: _____
 Telephone: _____
 E-mail address: _____
 Date: 9/3/13

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

Name: Geselle
 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.	✓		
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

Name: FTP Edom
 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 as long as it takes Reason for visit my DADS JOB

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.	YES		
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.		NO	
I know what to do if I find suspected ordnance materials (do not touch, note location, call 911).	YES		
I am aware that land use restrictions apply to some areas on Adak.	YES		
I am aware that digging in some areas on Adak requires Navy approval.		NO	
I am aware that entry onto the Navy-retained UXO Exclusion Area (Parcel 4) is prohibited.		NO	
I am aware of the Navy outreach Adak web site and the toll-free telephone number.		NO	
I am aware that maps detailing the land use restrictions and ordnance awareness are available.	YES		
I know that there are some areas I can't dig at all on Adak.	YES		
I know that I can't use groundwater in the downtown area.		NO	
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?**

Institutional Control Education Evaluation

Name: Brooke
 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		Mom told me.
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

Name: Sharon Cleary
 Address: 103A Camel Way
 Telephone: 1 907 572 6027
 E-mail address: sapphire621@live.com
 Date: 09/03/13

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 months 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

Name: Alicia Bennett
 Address: 118B Beverly Cove
 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.).	✓		
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? I am happy with all that is done.

Institutional Control Education Evaluation

Name: August
 Address: Adak, AK 99596
 Telephone: _____
 E-mail address: _____
 Date: 9-3-13

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?**

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		just knew it
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

Name: Ranzes
 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

Name: Adrien
 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

Name: Jeff Bechetal
 Address: Homer, AK
 Telephone: _____
 E-mail address: _____
 Date: 9/1/13

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 wk Reason for visit work fish wildlife

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?**

No

Institutional Control Education Evaluation

Name: Stacy Buckelew
 Address: Honolulu AR
 Telephone: _____
 E-mail address: _____
 Date: 9/1/13

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 transport

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) fish + wildlife orientation

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?

No

Institutional Control Education Evaluation

Name: Mike Goodie
 Address: Homer AK
 Telephone: _____
 E-mail address: _____
 Date: 9/2/13

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 WK 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?	X		1 every 2 wks. Next island over.
Do you routinely eat rock sole? If so, how many times per week?		X	
Do you routinely eat other fish? If so what fish?			Saklon,

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?

In the School.

Institutional Control Education Evaluation

Name: Edna Kor
 Address: School
 Telephone: _____
 E-mail address: edna - kor @ hotmail . com
 Date: September 03 - 2013

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 months Reason for visit study

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>I don't know the location</i>
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

Name: Lynn Fuller
 Address: Iowa
 Telephone: _____
 E-mail address: _____
 Date: 9/1/12

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 1 WP 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) Maps easily advertised

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?

Advertise Maps better.

Institutional Control Education Evaluation

Name: Dick van Rossmalen
 Address: Netherlands
 Telephone: _____
 E-mail address: _____
 Date: 9/1/13

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 Reason for visit BPK Preparing Geology

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) **No**

- 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?

No

Institutional Control Education Evaluation

Name: Thomas Fuller
 Address: Adak
 Telephone: _____
 E-mail address: _____
 Date: 9/1/13

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 1wk 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.		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) Advertisement Maps

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?

Advertise the Maps in the Airport

Institutional Control Education Evaluation

Name: Melissa Webb
 Address: Jacksonville, FL
 Telephone: _____
 E-mail address: _____
 Date: 9/11/13

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 6 Mths Reason for visit Husband working here

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) Signs are good.

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

Name: Dustin Lannehill
 Address: Tulsa OR
 Telephone: _____
 E-mail address: _____
 Date: 9/1/13

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 11MO Reason for visit Lived with dad.

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) City Blog News letter

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?**

Talk to City

Institutional Control Education Evaluation

Name: Jake Jacobson
 Address: Homer AR
 Telephone: _____
 E-mail address: _____
 Date: 9/2/13

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) March-Oct
 Length of visit 7-10 Reason for visit Working

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?

No.

APPENDIX C
PHOTOGRAPHS
(PROVIDED ON CD)

APPENDIX D
MAP DISTRIBUTION LOG

Number of Adak hiking maps distributed by USFWS, 2012-2013.					
Date	Office	Entry	ComCen	Airport	Store
17-Sep 2012	4	4	4	12	7
24-Sep	4	4	2	7	7
3-Oct	4	4	4	20	7
mid-Nov		9	9	9	9
mid-Dec		9	9	9	9
mid-Jan 2013		9		9	9
Feb		4	9	9	9
17-Apr		9	9	9	9
mid-May	9	9	9	9	9
mid-Jun	9	9	9	9	9
mid-Jul	9	9	9	9	9
mid-Aug	9	9	9	9	9
late Aug		6			

Date	Name	Sponsor	No. in party	No. of maps	Purpose
1/10/13	CAL HAYASHI		4	4	HUNTING
1/17/13	STAWN RAYNOLD		4	4	"
1/17/13	SHEAN FITZPATRICK		1	1	"
1/17/13	DAVID WRIGHT		2	2	"
1/17/13	ROVANO CARAO		6	6	"
1/20/13	DAVID HERBREK		2	2	"
2/9/13	JOSHUA RICHEY		2	2	"
2/9/13	Co USCG		40	30	HUNTING / HIKING
2/12/13	DOUGLAS HARVEY		5	5	HUNTING
2/28/13	CHRISTIAN TUNTON		5	3	"
2/28/13	JASON HARTE		4	4	"
3/10/12	LARRY DAY		3	3	"
4/18/13	TED VINCENT		1	1	"
4/18/13	YAMIL SANTIAGO		1	1	"
4/18/13	WILLIAM CUMMIE		5	5	"
4/18/13	MICHAEL BALOTTA		1	1	"
4/19/13	JEFFREY CRIST		5	5	BIRD WATCHING
4/19/13	FOREST DAVIN		6	3	BIRD WATCHING
7/1/13	MARTIN WILD		1	1	HUNTING
7/18/13	MIKE DOWNER		2	1	"
7/31/13	MATTHEW FAVILLE		1	1	"
8/1/13	DANIEL PIZZEA		3	2	"
8/1/13	ERIC WOODAN		12	6	"
8/2/13	JOHN O'KEY		1	1	"
8/3/13	GREGORY REZCH		1	1	"
8/9/13	MARK COE		2	1	"
8/11/12	SONIC MARTINEZ		3	2	"
8/11/13	JEFF STANLEY		3	3	"
8/11/13	ANDREW COFEN		2	2	"
8/19/13	MARTIN BORONIK		2	1	"
8/23/13	DOUG HARVEY		3	1	"
8/23/13	KORAN SULLIVAN		4	4	"

Please fax completed sheet to:

The Aleut Corporation: (907) 563-4328

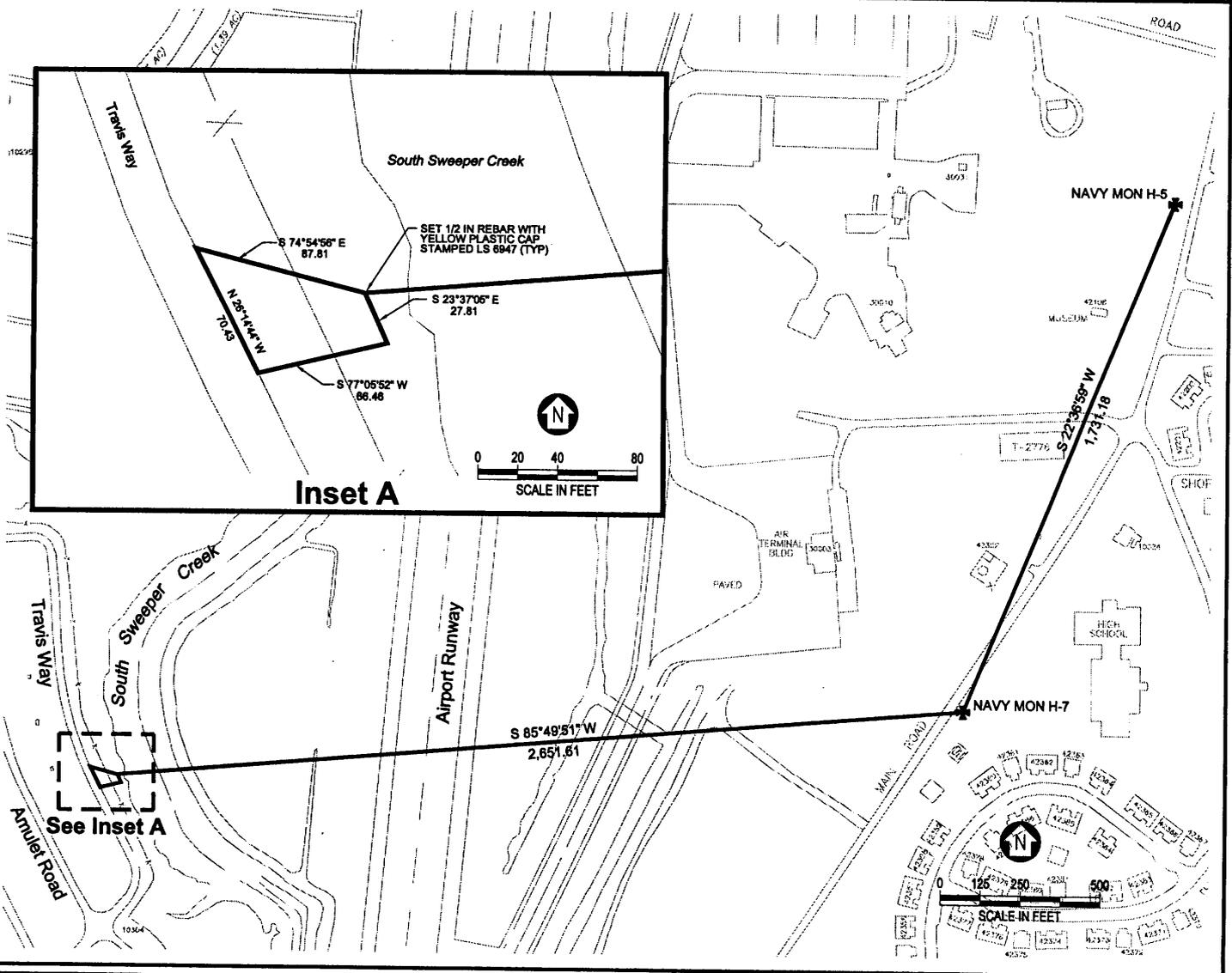
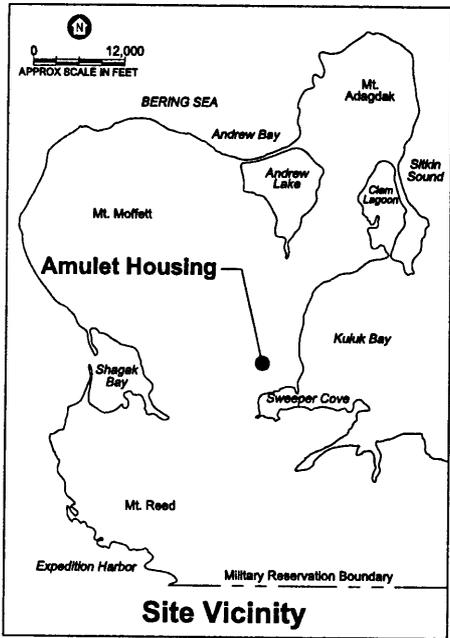
US Navy: (360) 396-0857

Aleut Enterprise LLC: (907) 562-8208

USFWS: (907) 235-7783

APPENDIX E
AIRPORT UXO DVD RUN LOG

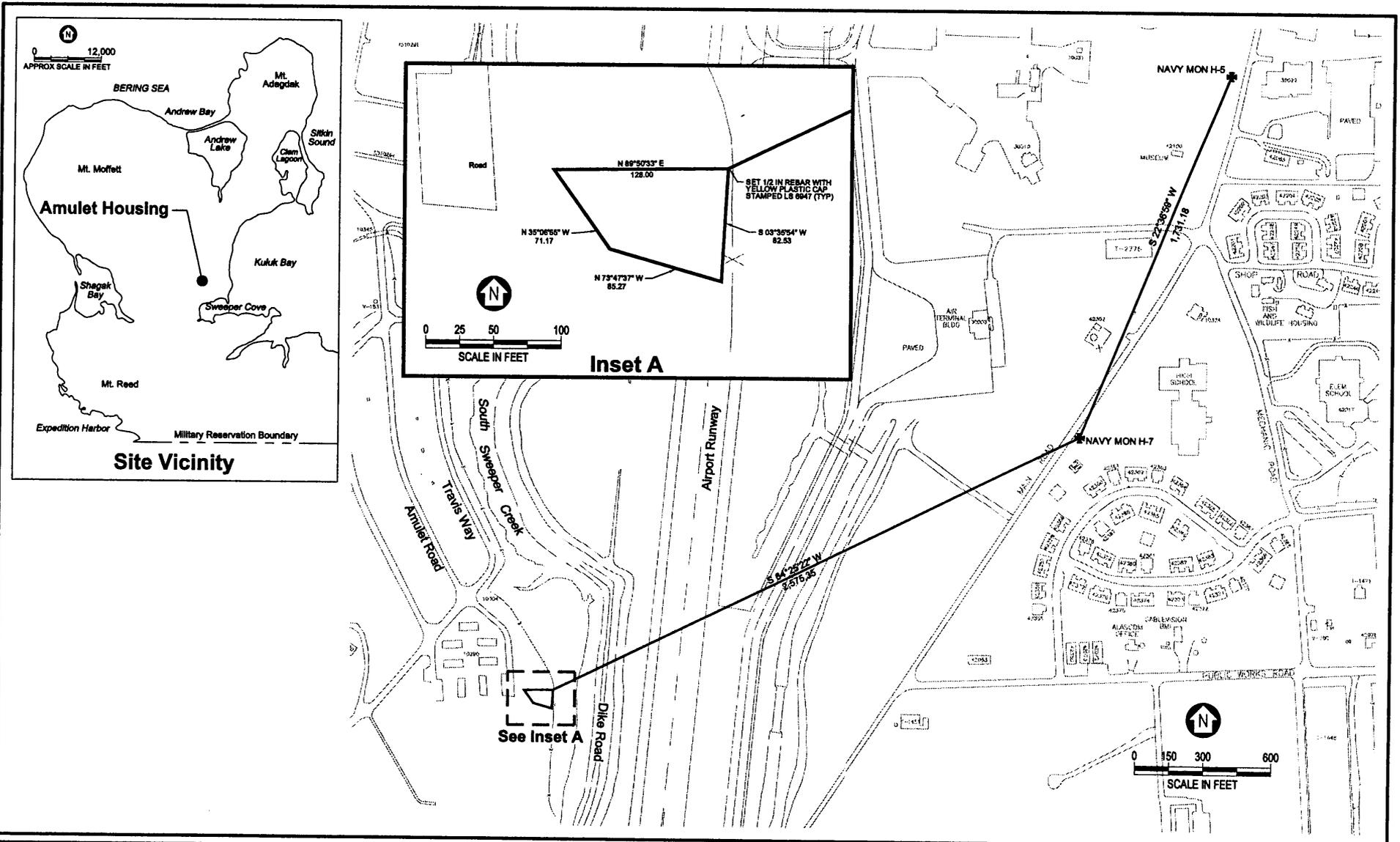
APPENDIX F
INSTITUTIONAL CONTROL SITE BOUNDARY MAPS
(PROVIDED ON CD)



Scale as Shown

**Amulet Housing
Well AMW-706 Area**

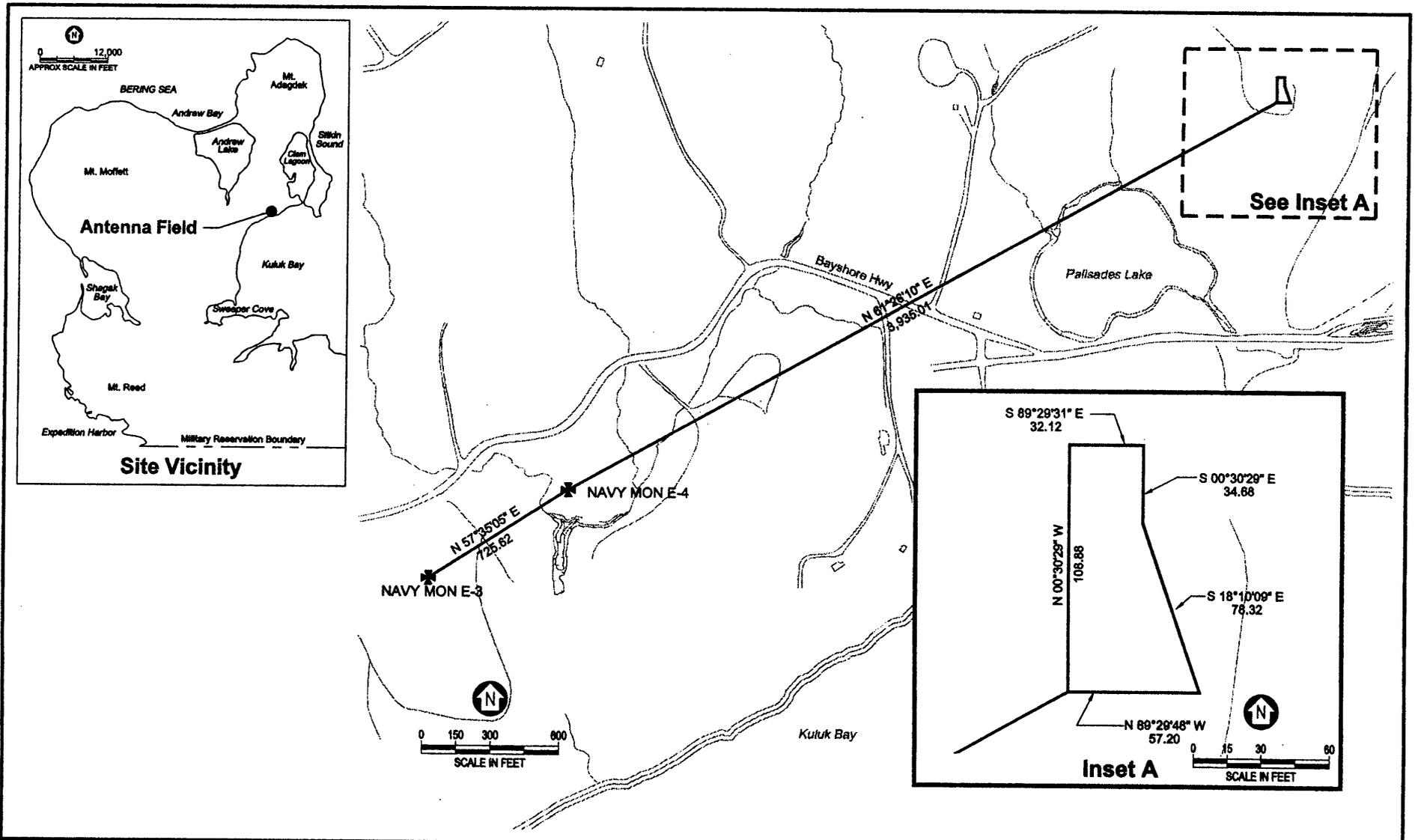
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-32



Scale as Shown

**Amulet Housing
Well AMW-709 Area**

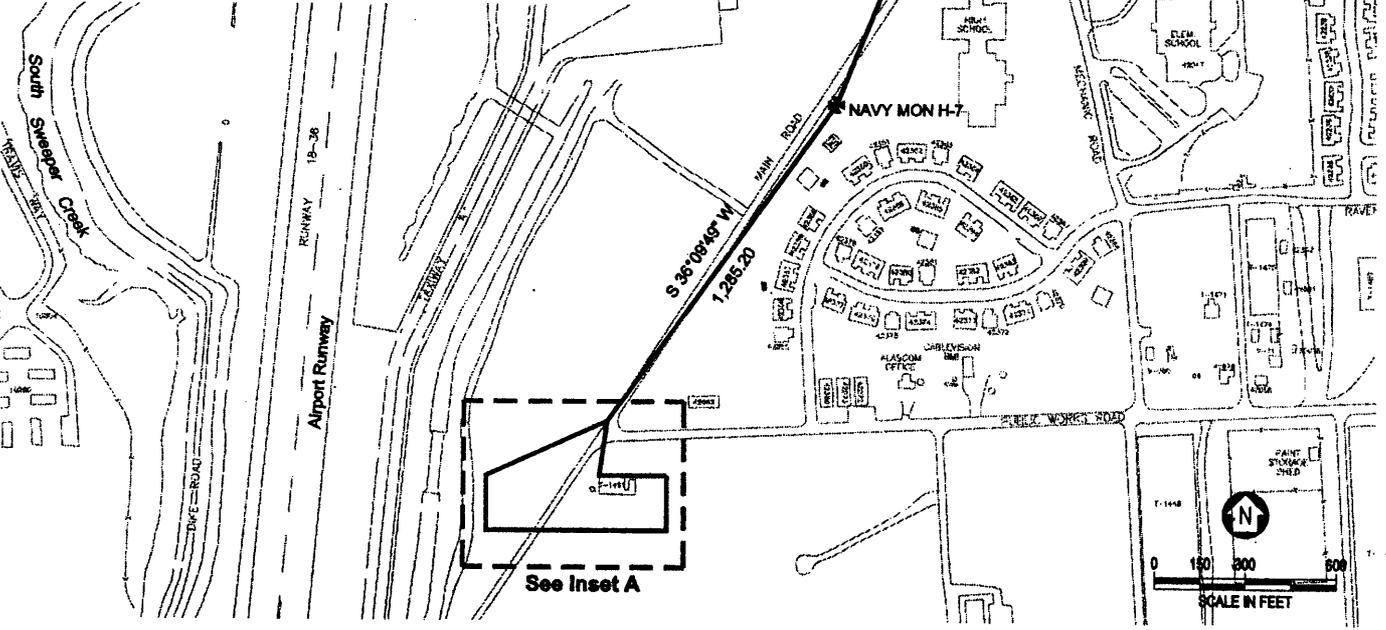
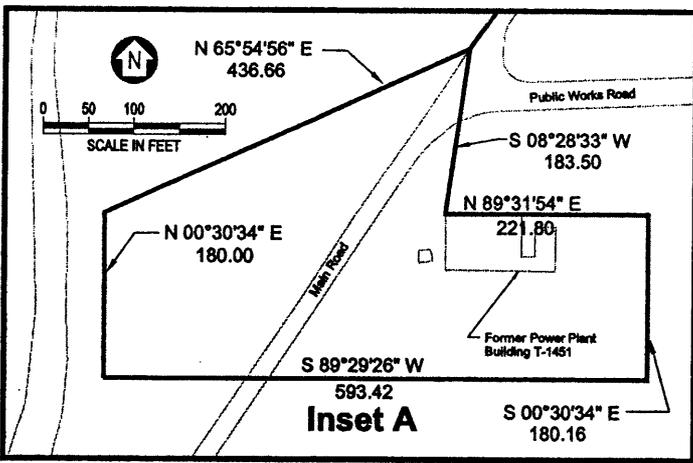
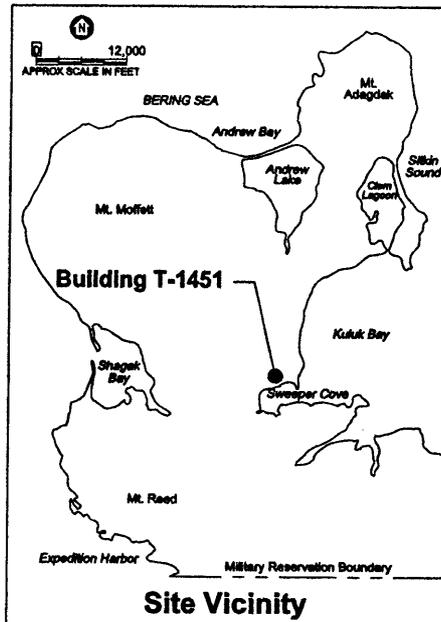
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-33



Scale as Shown

**Antenna Field
(USTs ANT-1, ANT-2, ANT-3, and ANT-4)**

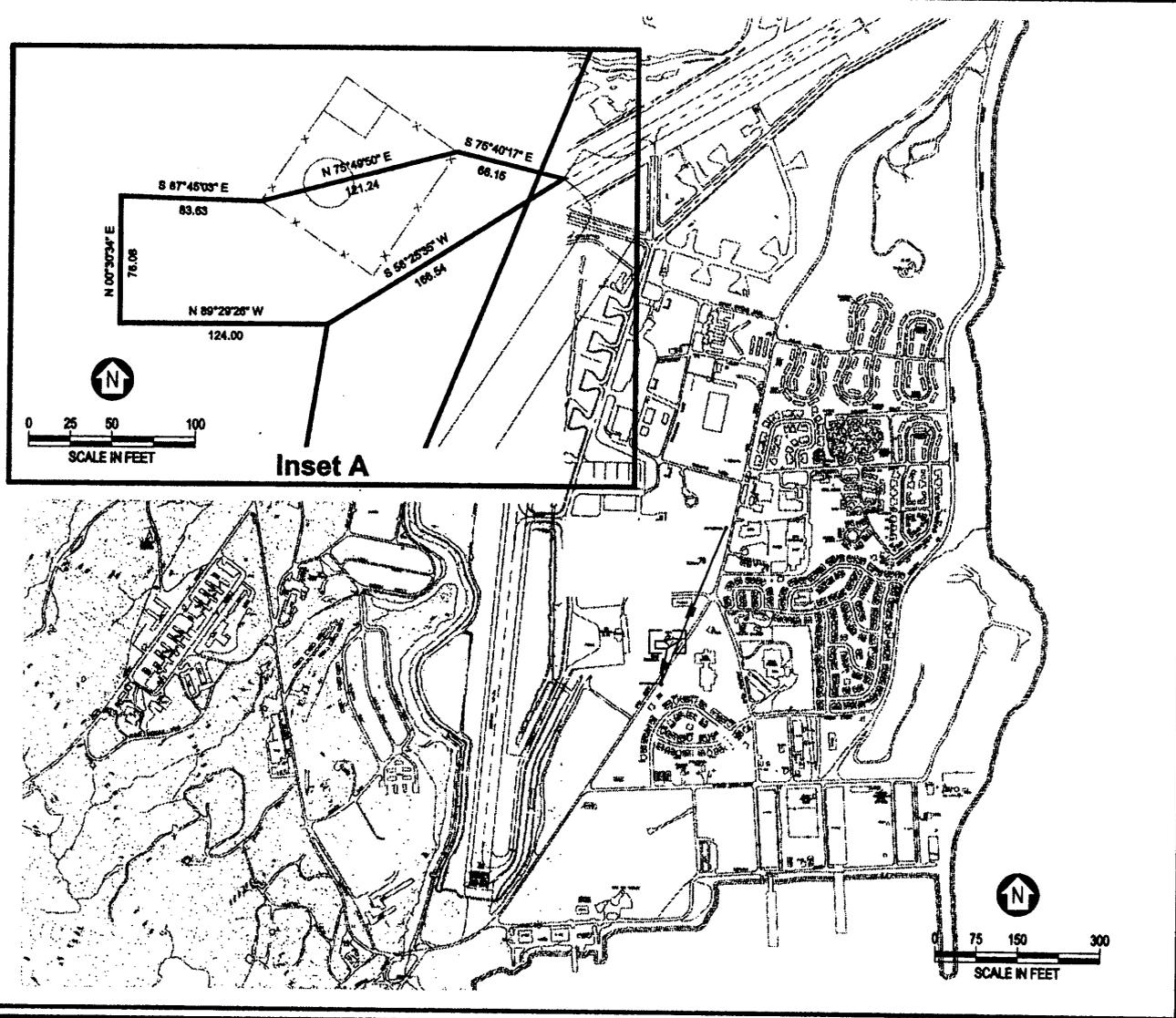
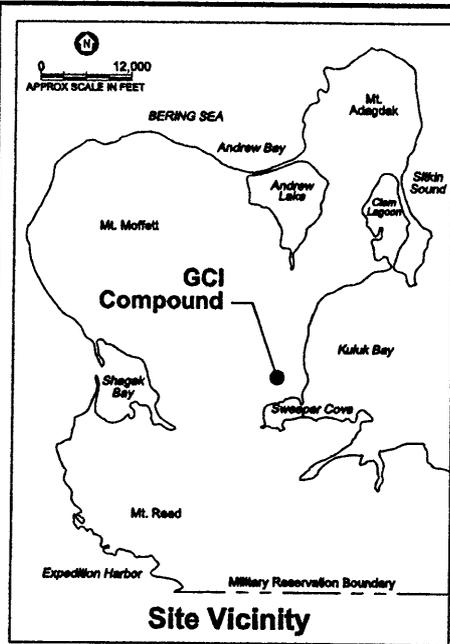
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-18



Scale as Shown

**Former Power Plant
Building T-1451**

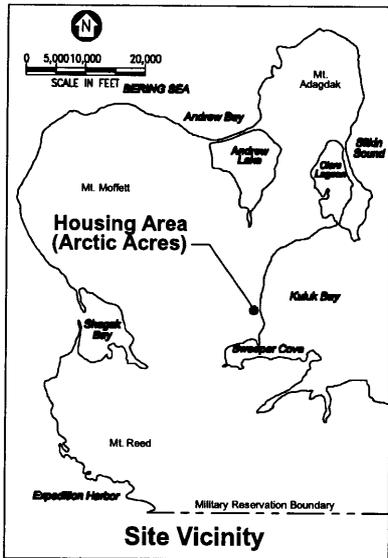
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-19



Scale as Shown

**GCI Compound,
UST GCI-1**

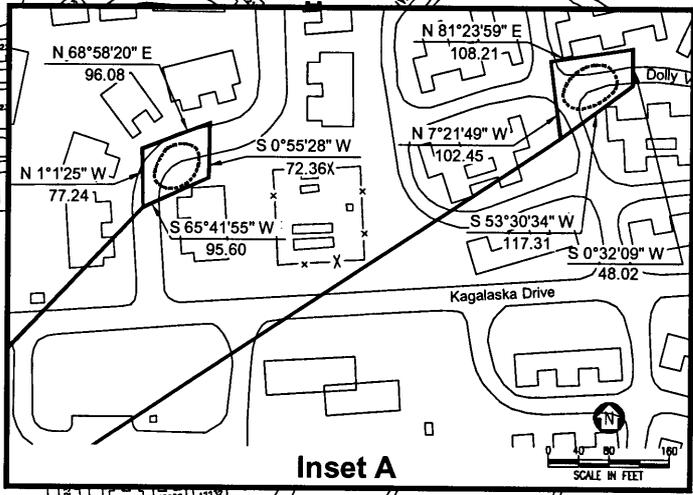
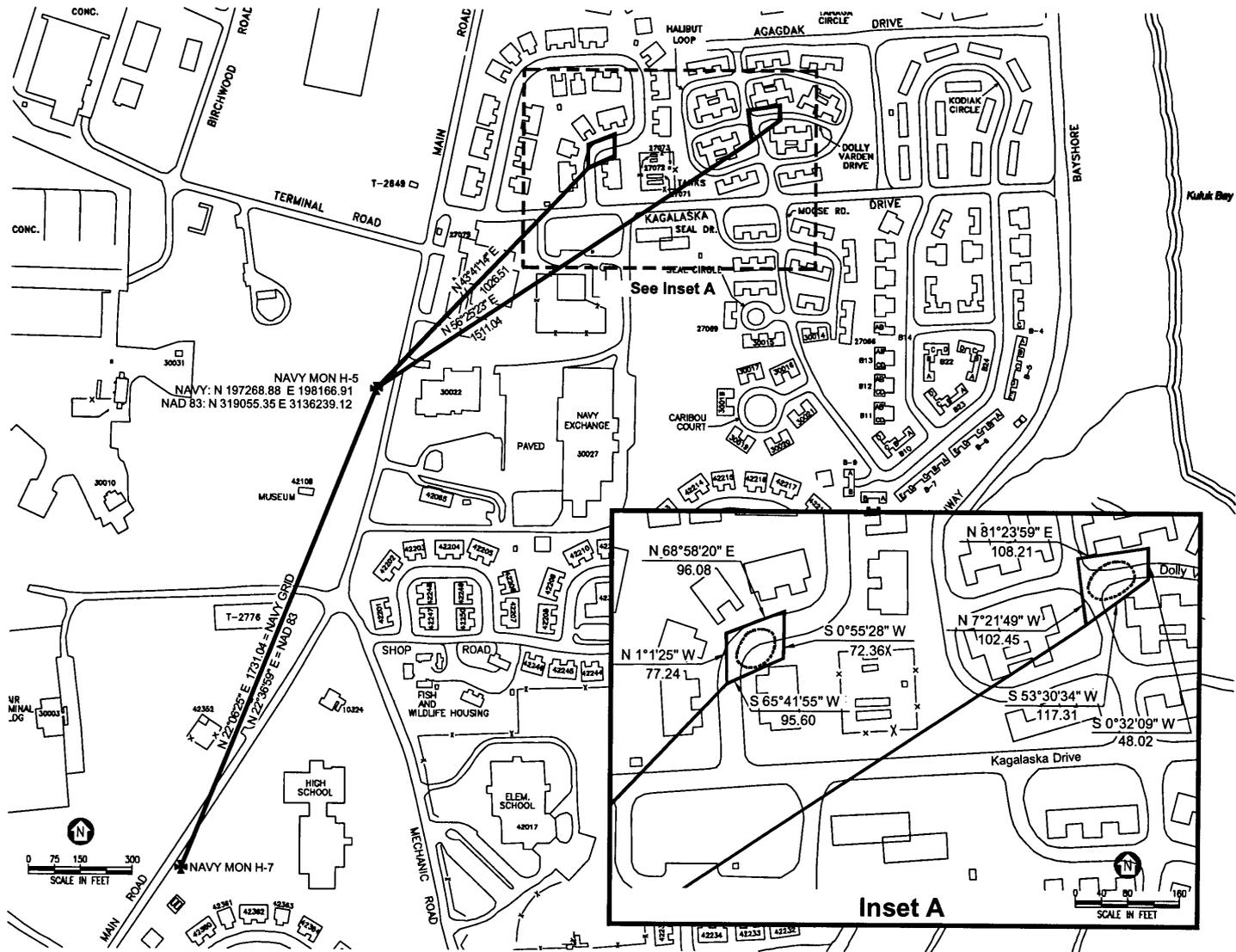
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-22



INSET A LEGEND

Estimated Extent of Petroleum Hydrocarbon Exceedances in Soil

Inset A Note:
Soil analytical data collected from depths of 15 feet or less were compared to the Alaska DEC 18 AAC 75 Method Two soil cleanup criteria for over-40-inch rainfall.

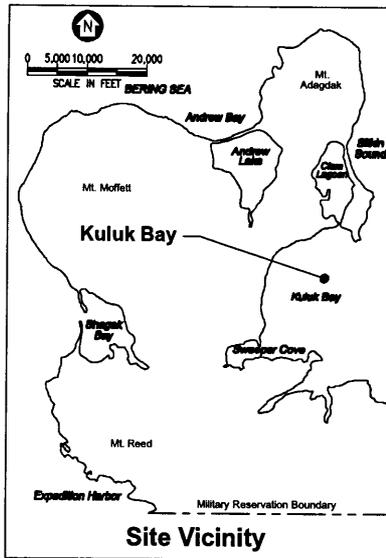


HOUSING AREA (ARCTIC ACRES) DESCRIPTION

Coordinates and bearings for this site were generated from URS CAD coverages modified in 2000. This site was not field surveyed.

U.S. NAVY	Delivery Order 011 Adak Island, AK	Scale as Shown	Housing Area (Arctic Acres)
------------------	---------------------------------------	----------------	------------------------------------

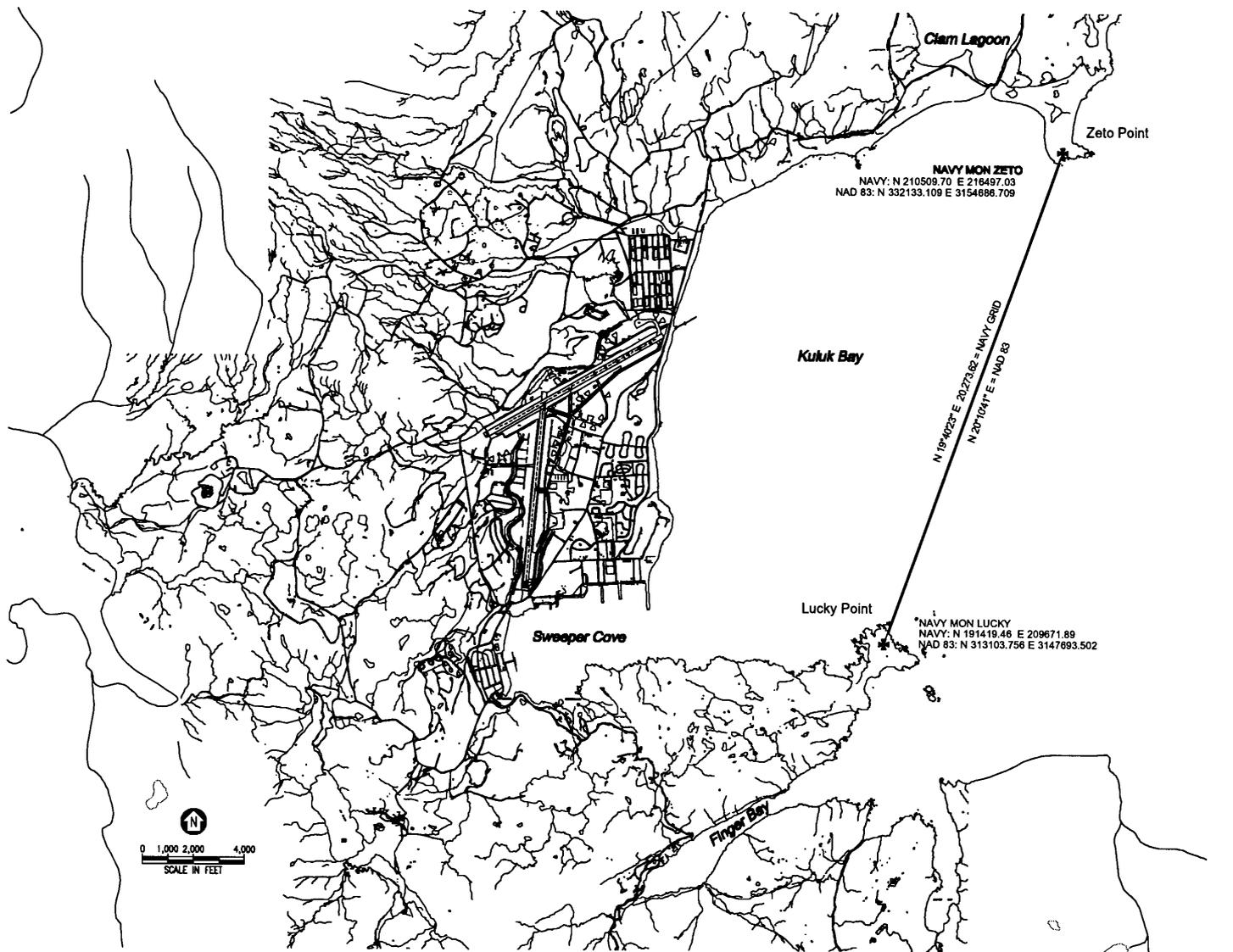
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EXT DATE: 10/25/01 AC: 11144



Site Vicinity

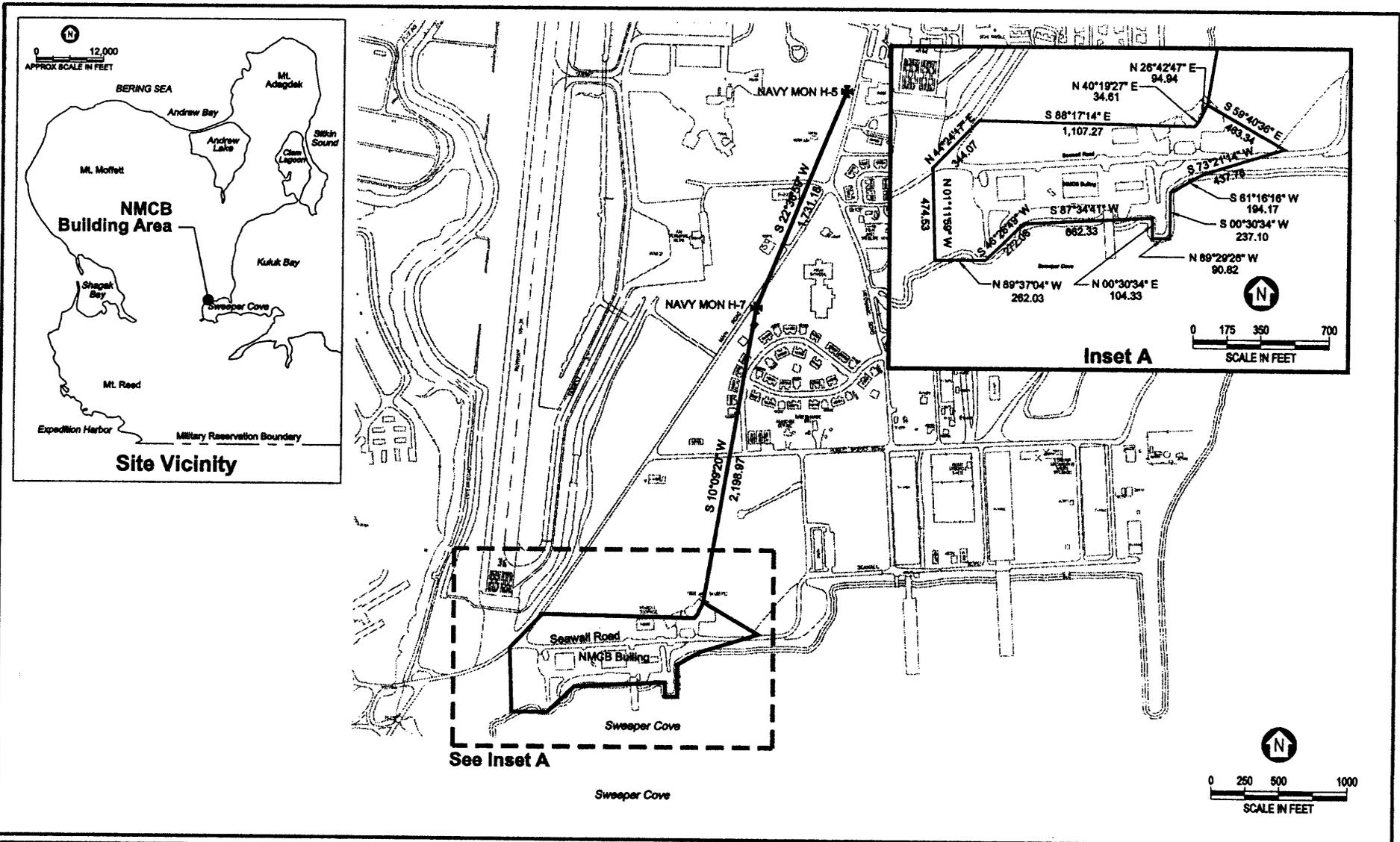
KULUK BAY DESCRIPTION

Coordinates and bearings for this site were generated from URS CAD coverages modified in 2000. This site was not field surveyed.



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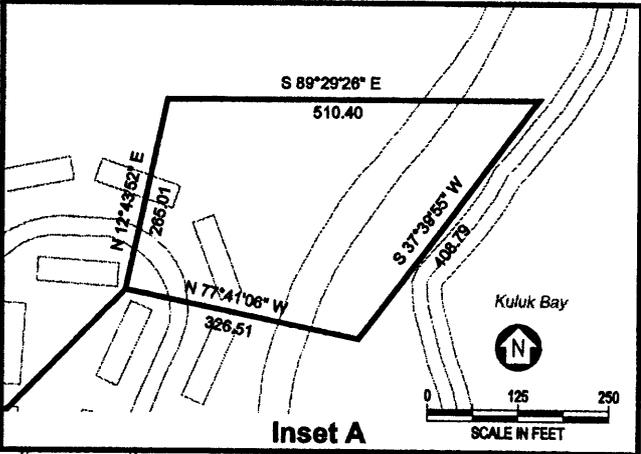
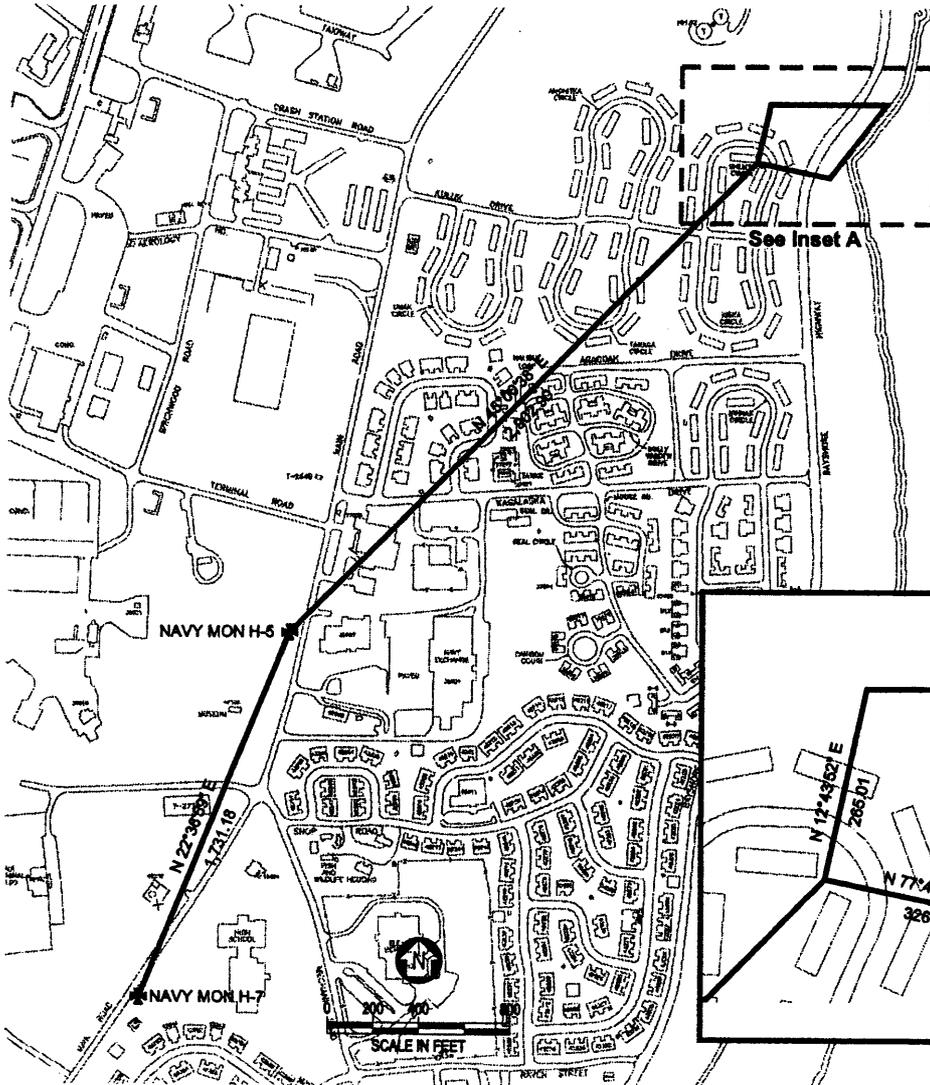
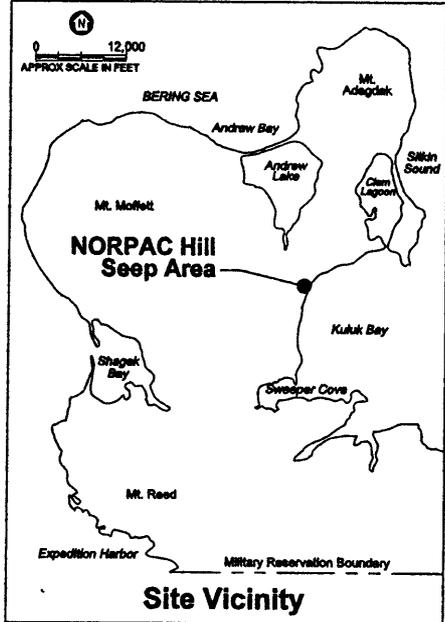
<p>CLEAN COMPREHENSIVE LONG-TERM ENVIRONMENTAL ACTION NAVY</p>	<p>Adak Island, AK IC SITE SURVEY</p>	<p>Scale as Shown</p>	<p>Kuluk Bay</p>
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Scale as Shown

**NMCB Building Area,
UST T-1416 Expanded Area**

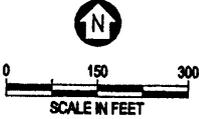
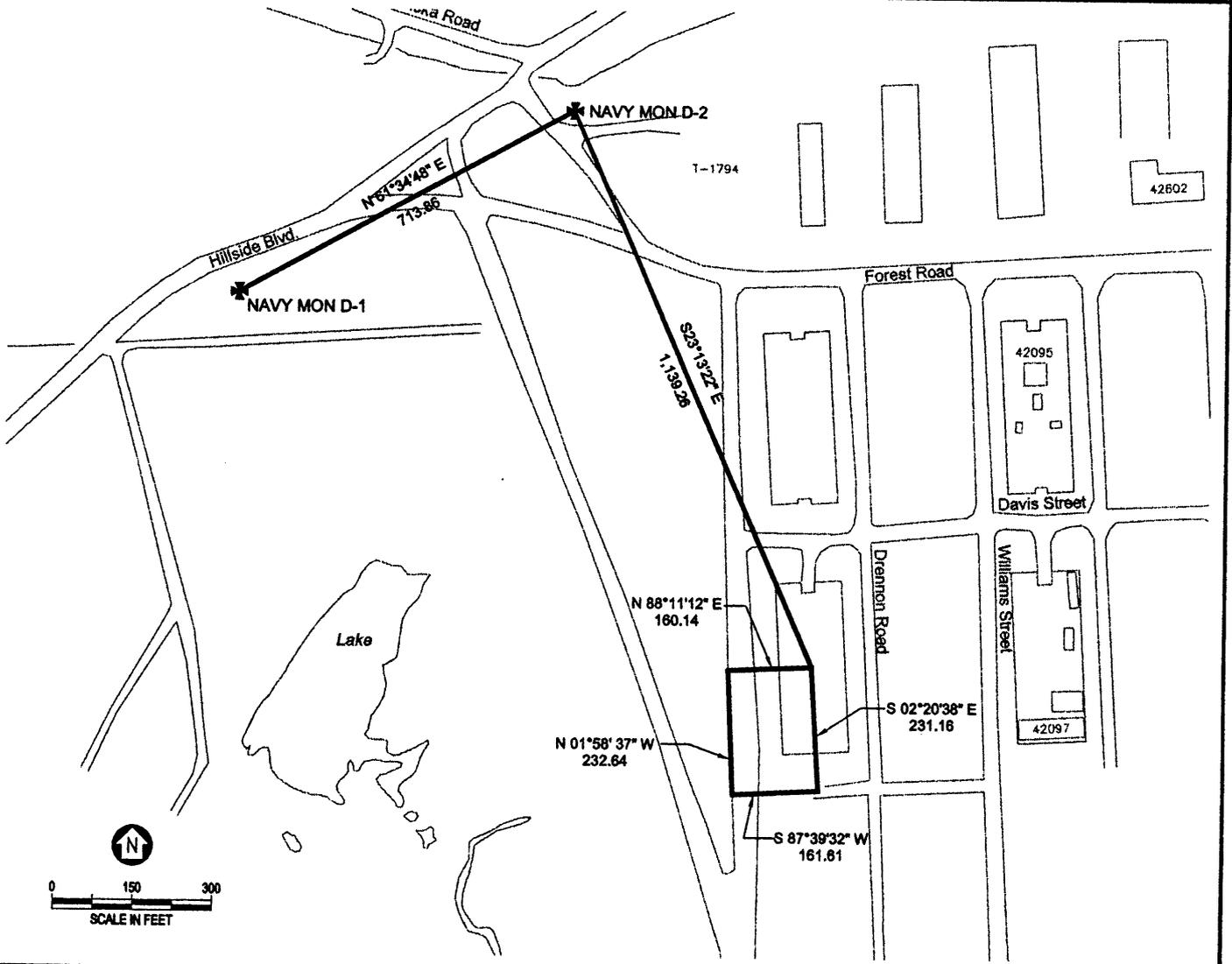
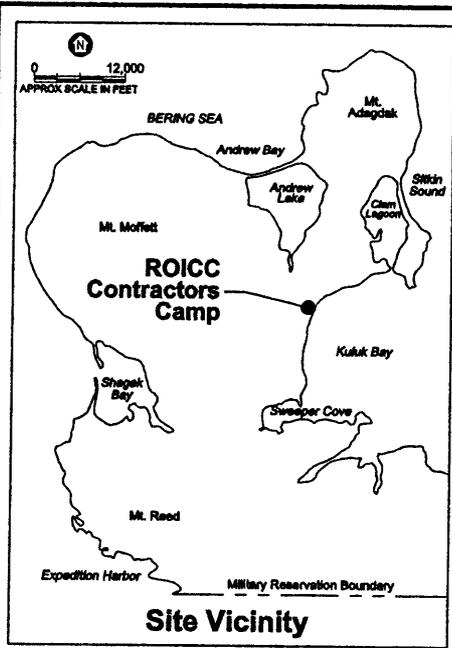
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-23



Scale as Shown

NORPAC Hill Seep Area

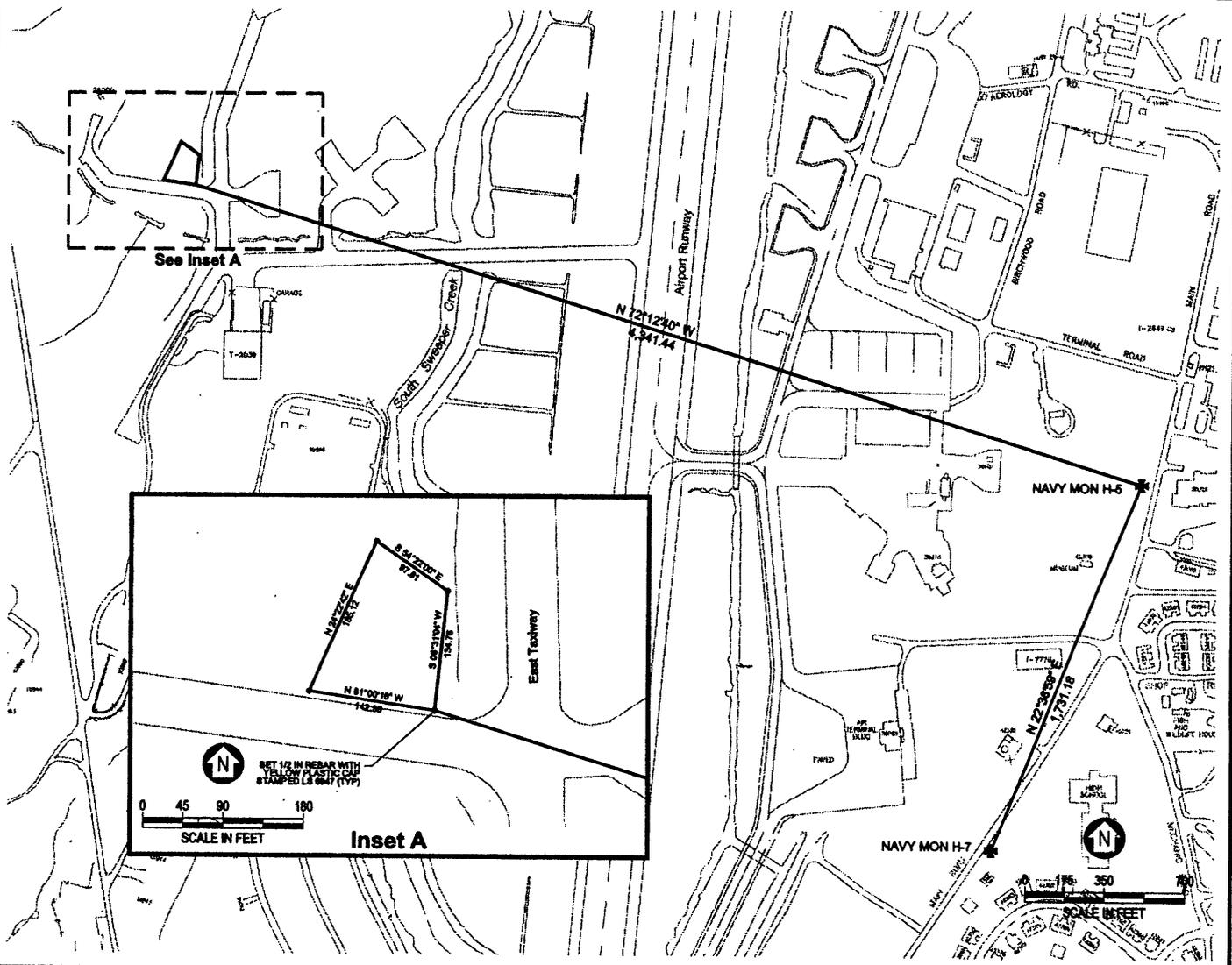
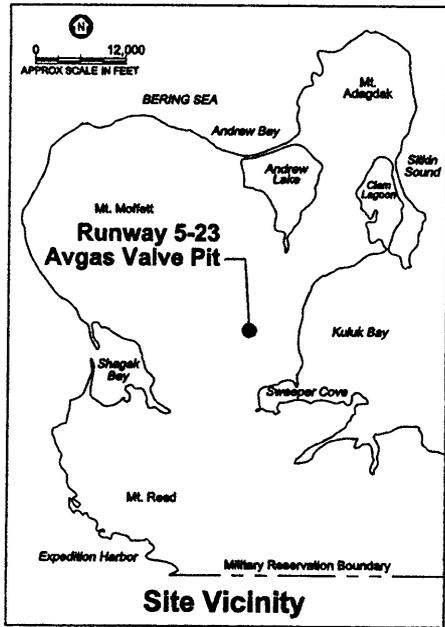
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-24



Scale as Shown

**ROICC Contractors Area,
(UST ROICC-8)**

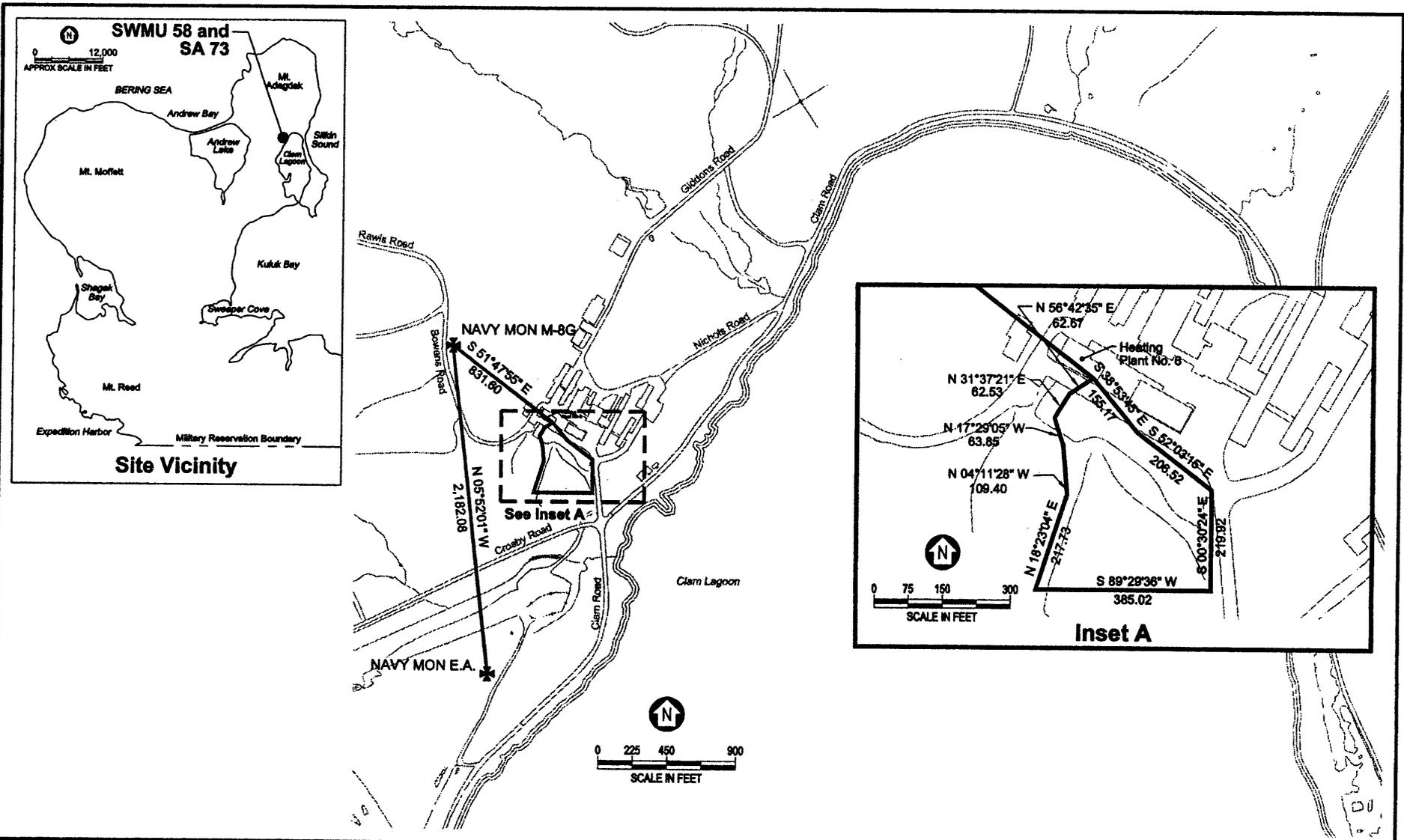
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-20



Scale as Shown

**Runway 5-23
Avgas Valve Pit**

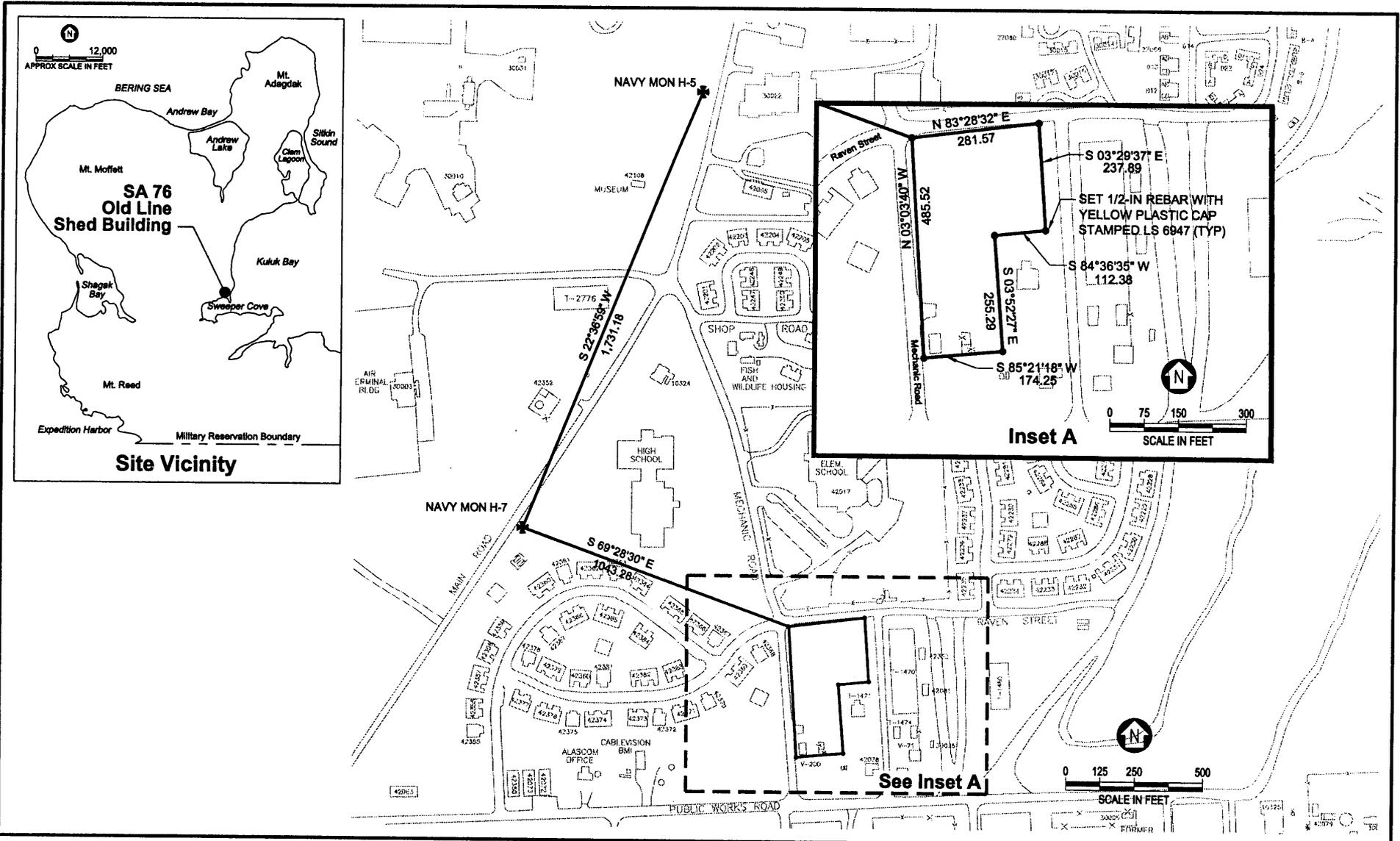
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-21



Scale as Shown

**SA 73/SWMU 58
Heating Plant No. 6**

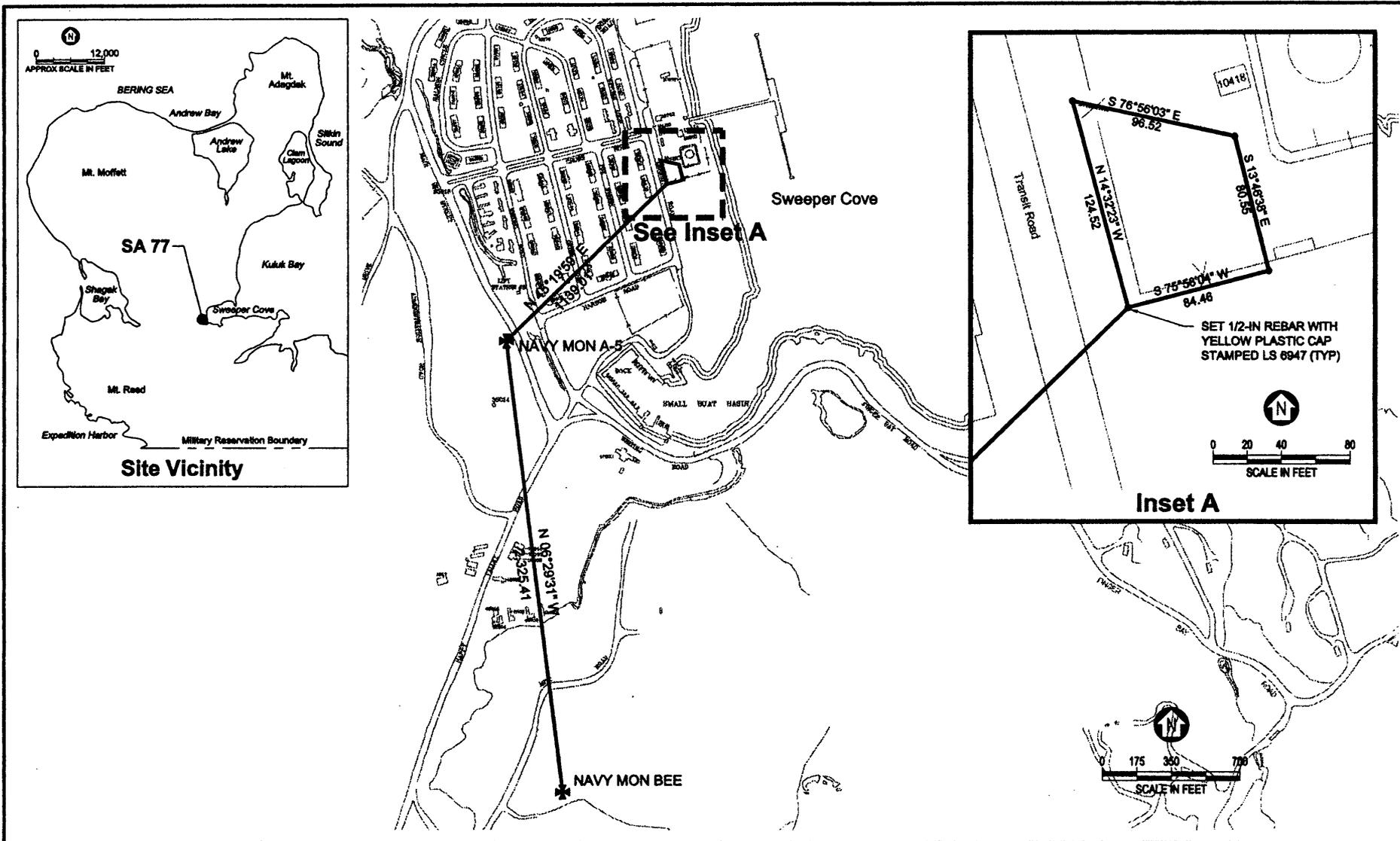
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-12



Scale as Shown

**SA 76,
Old Line Shed Building**

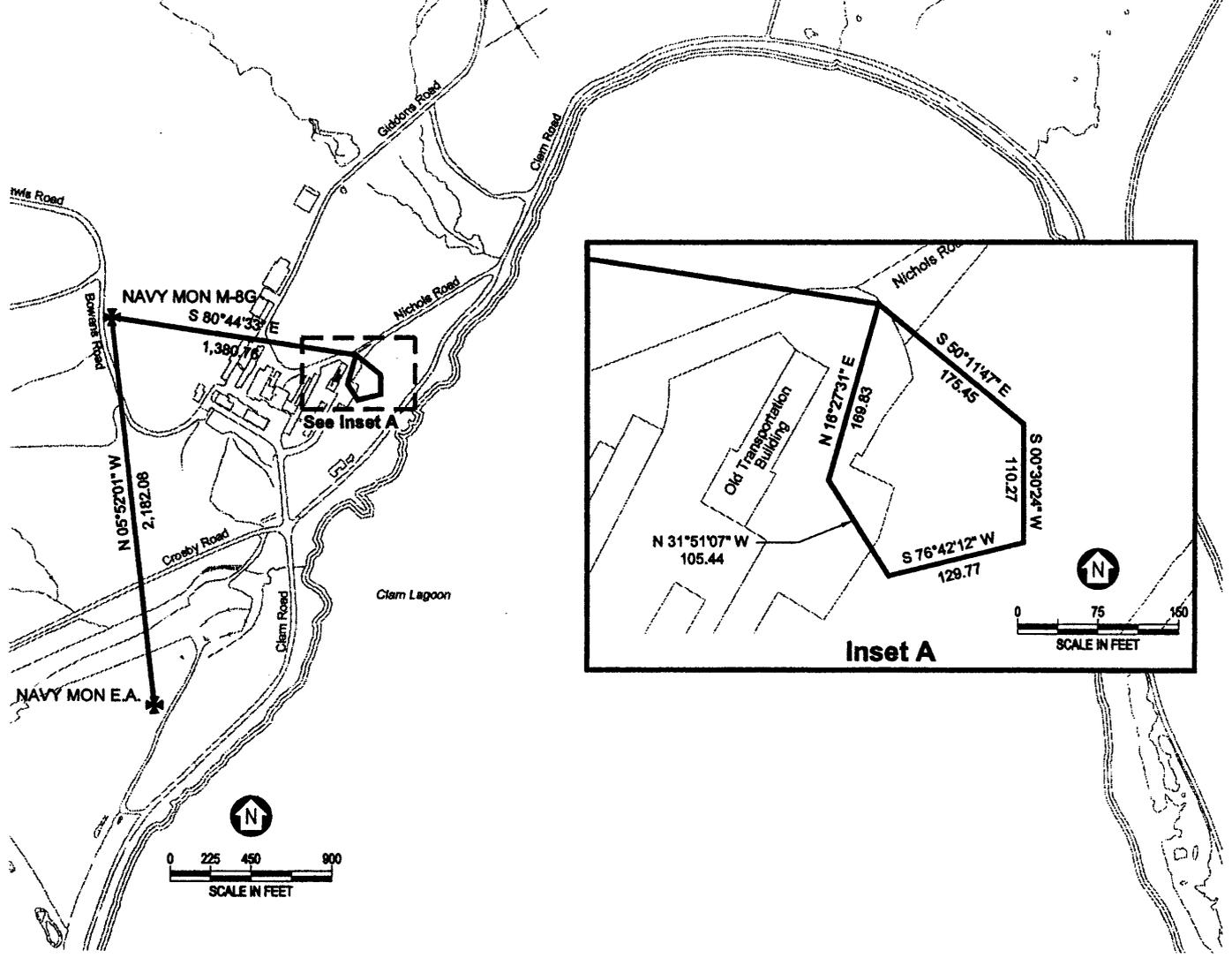
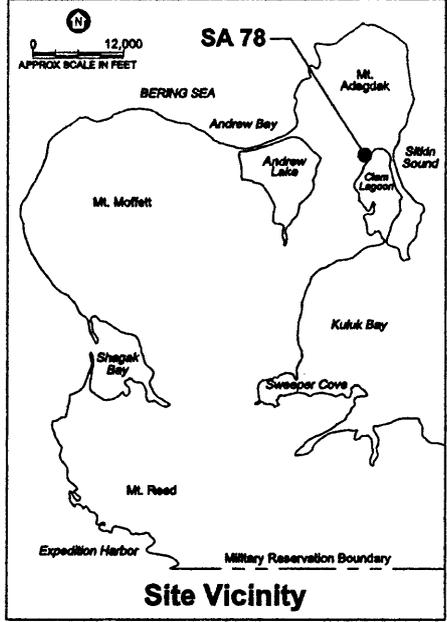
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-31



Scale as Shown

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

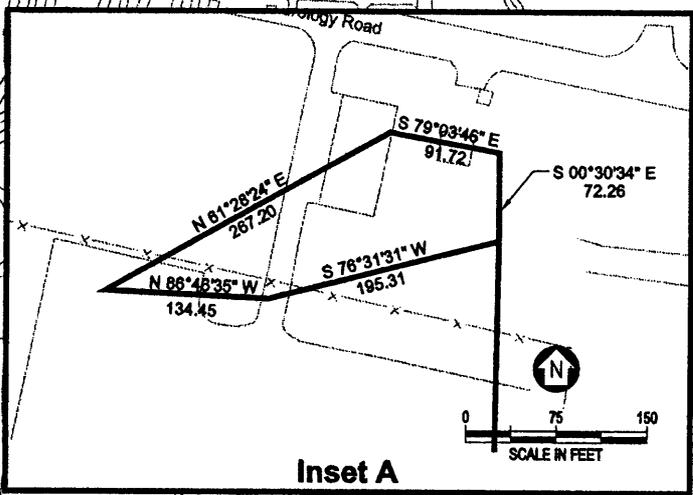
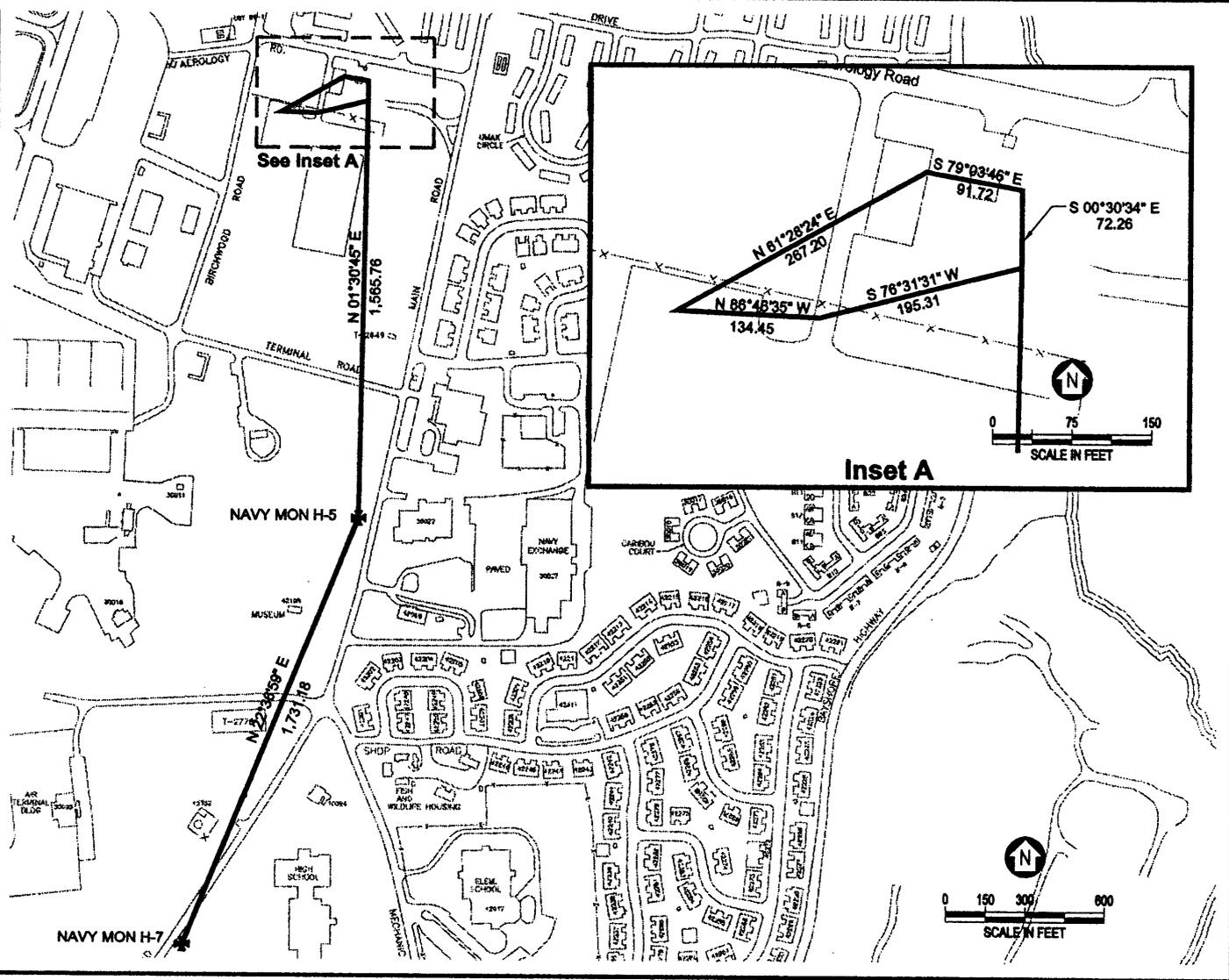
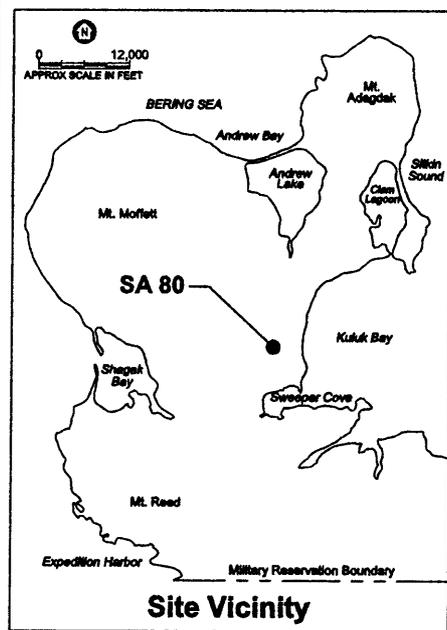
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-13



Scale as Shown

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

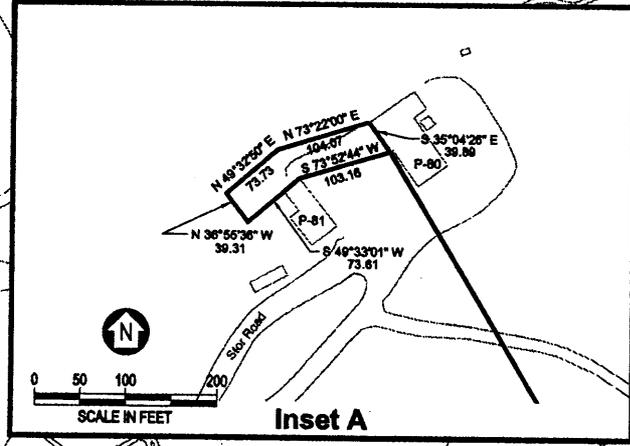
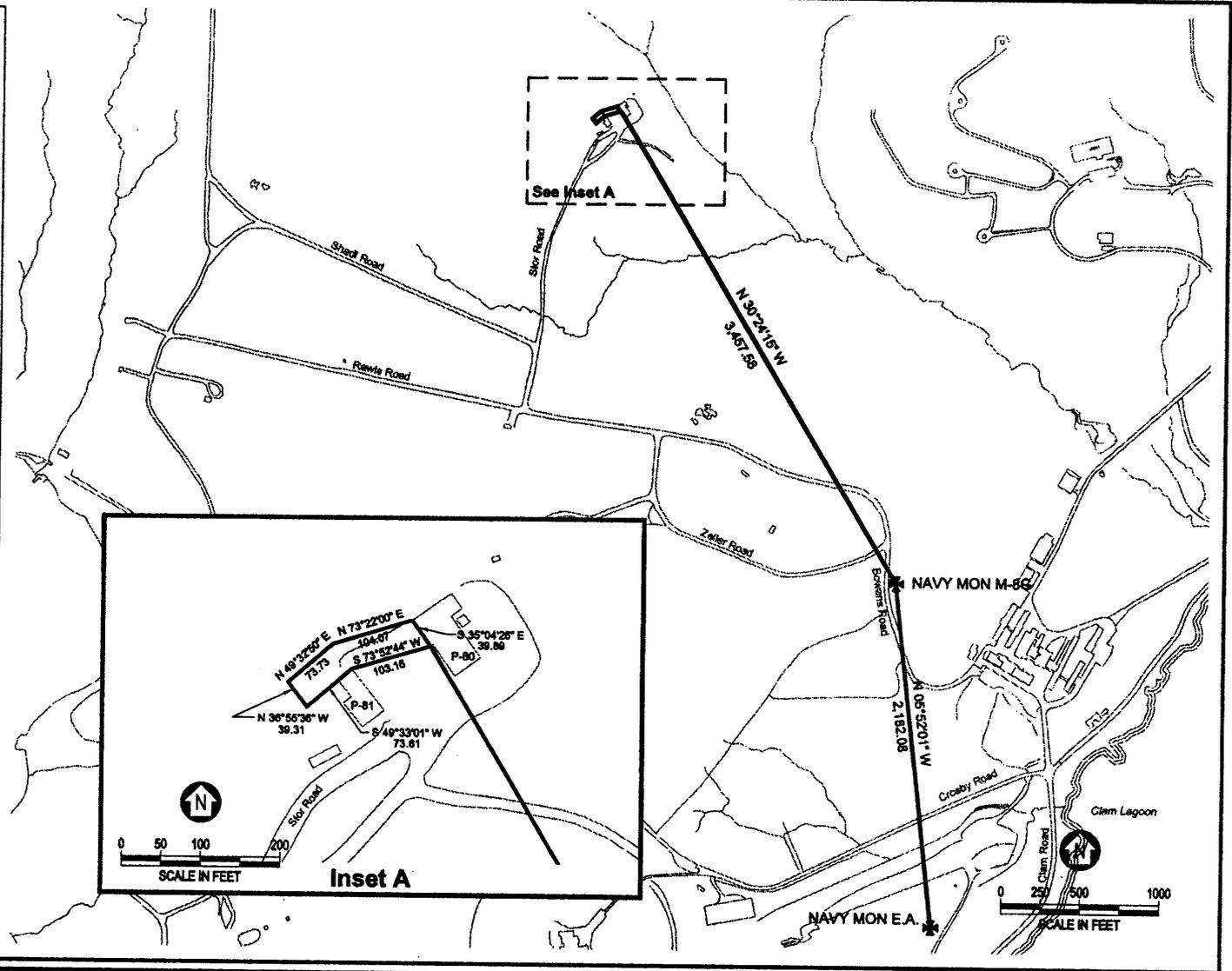
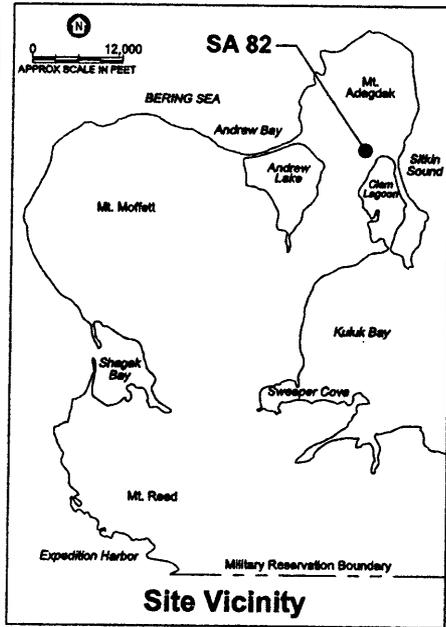
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-14



Scale as Shown

**SA 80,
Steam Plant No. 4
USTs 27089 and 27090**

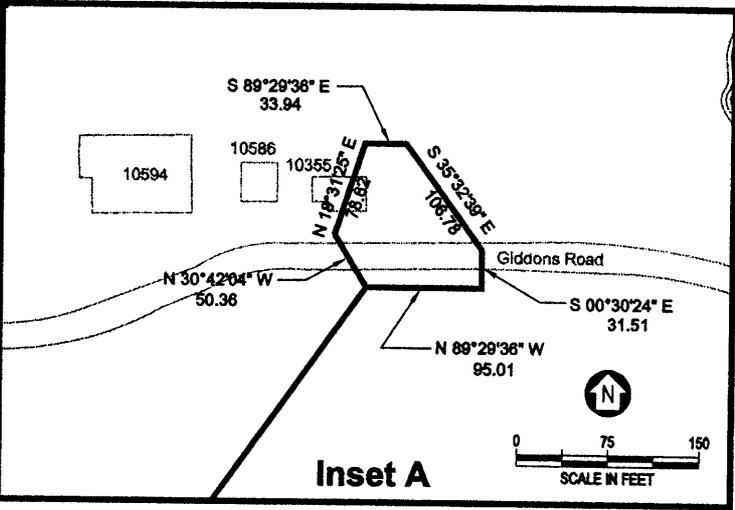
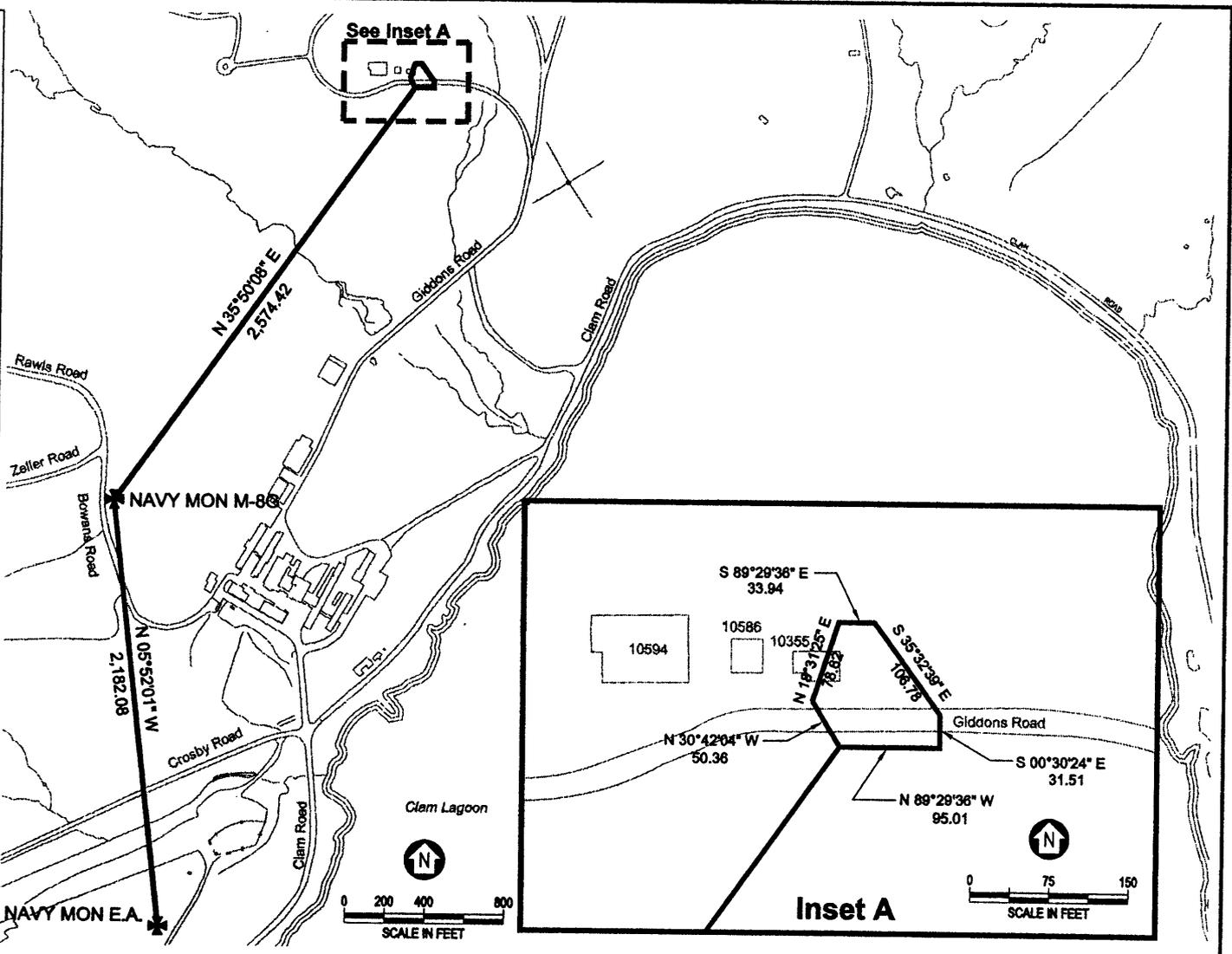
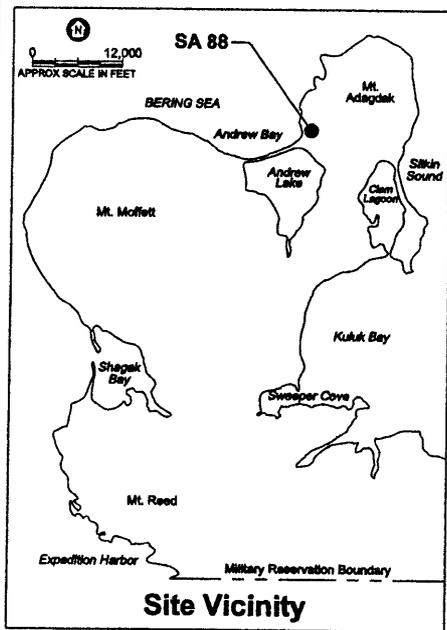
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-15



Scale as Shown

**SA 82, P-80/P-81 Buildings
USTs 10579, 10587, and ASTs**

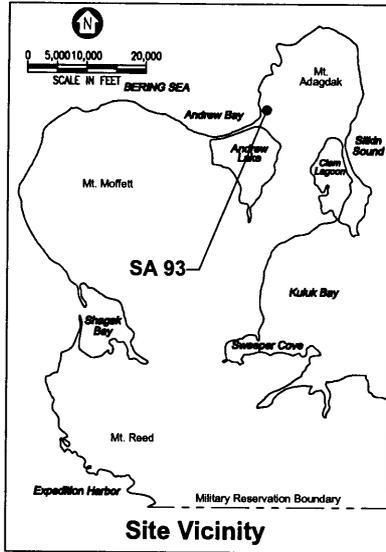
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-16



Scale as Shown

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

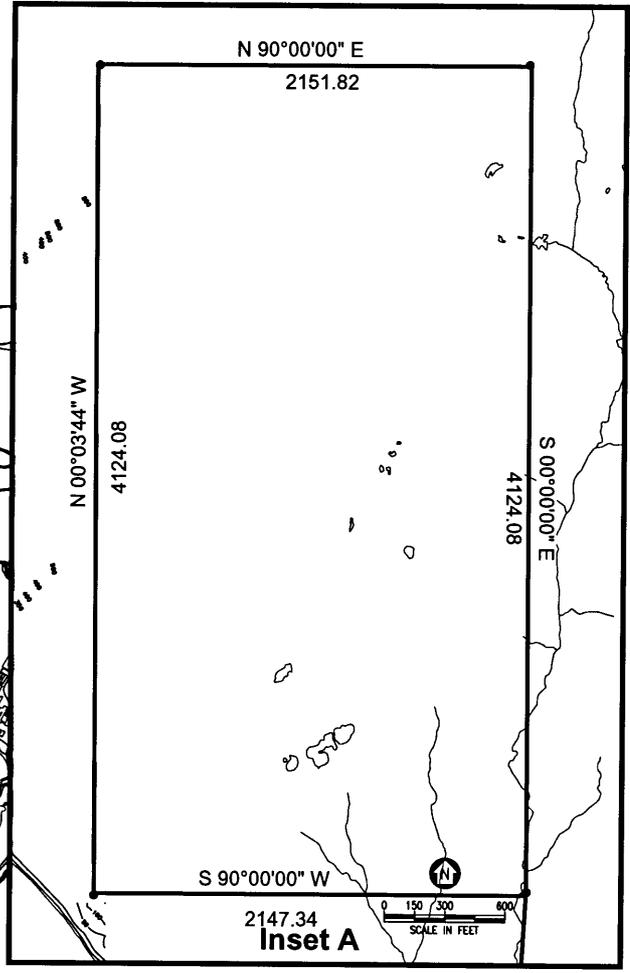
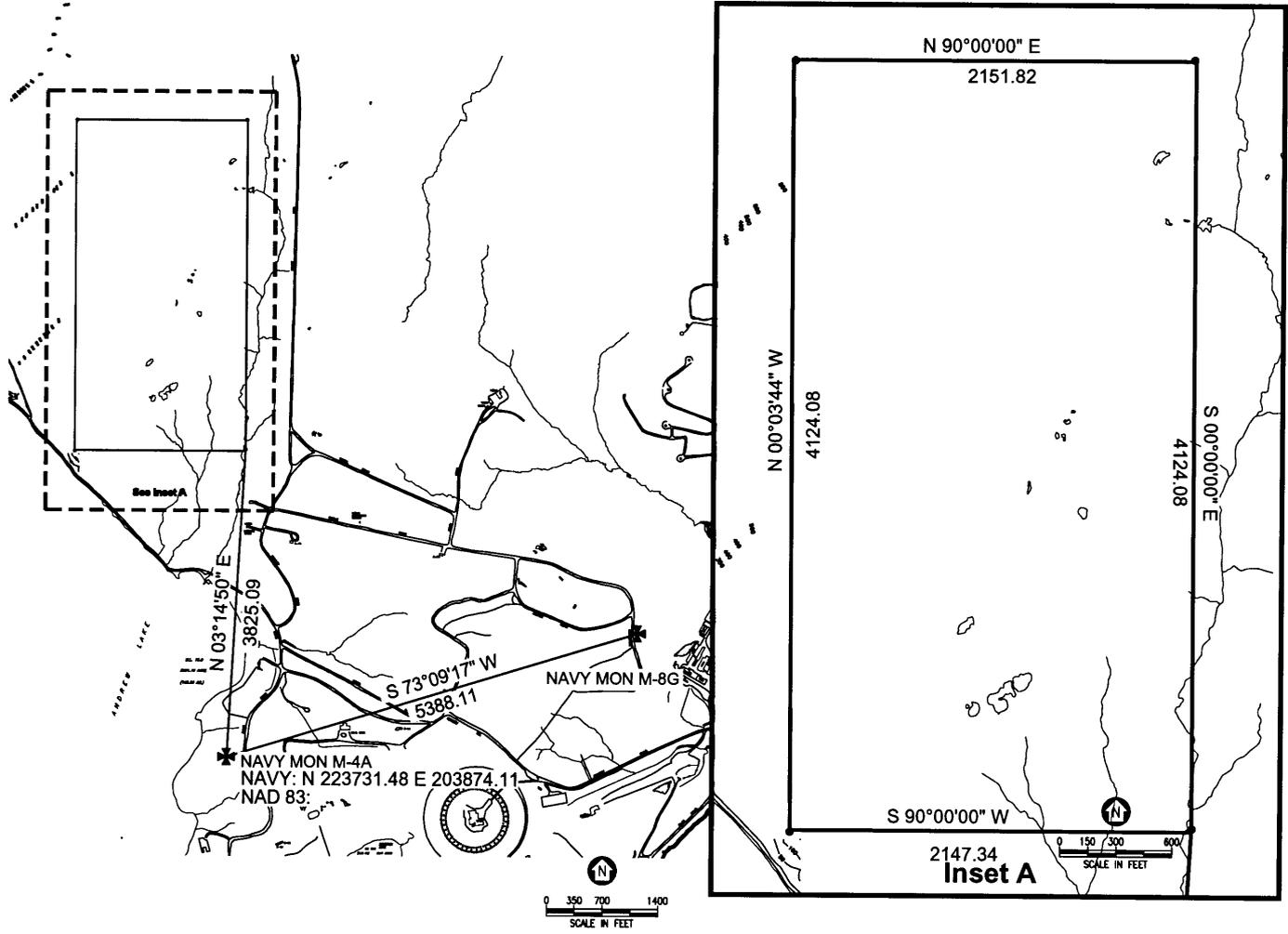
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-17



Site Vicinity

SA 93 DESCRIPTION

Coordinates and bearings for this site were generated from URS CAD coverages modified in 2000. This site was not field surveyed.

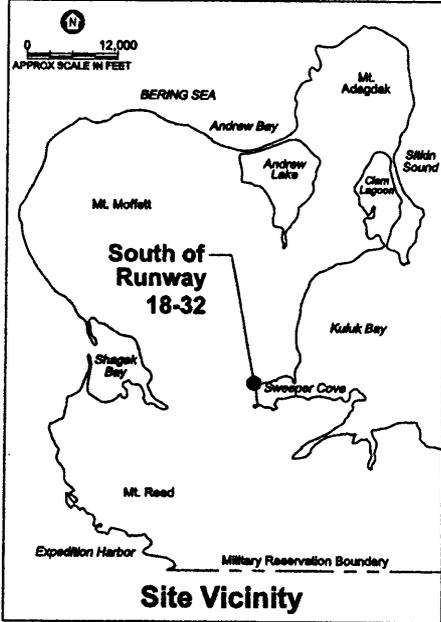
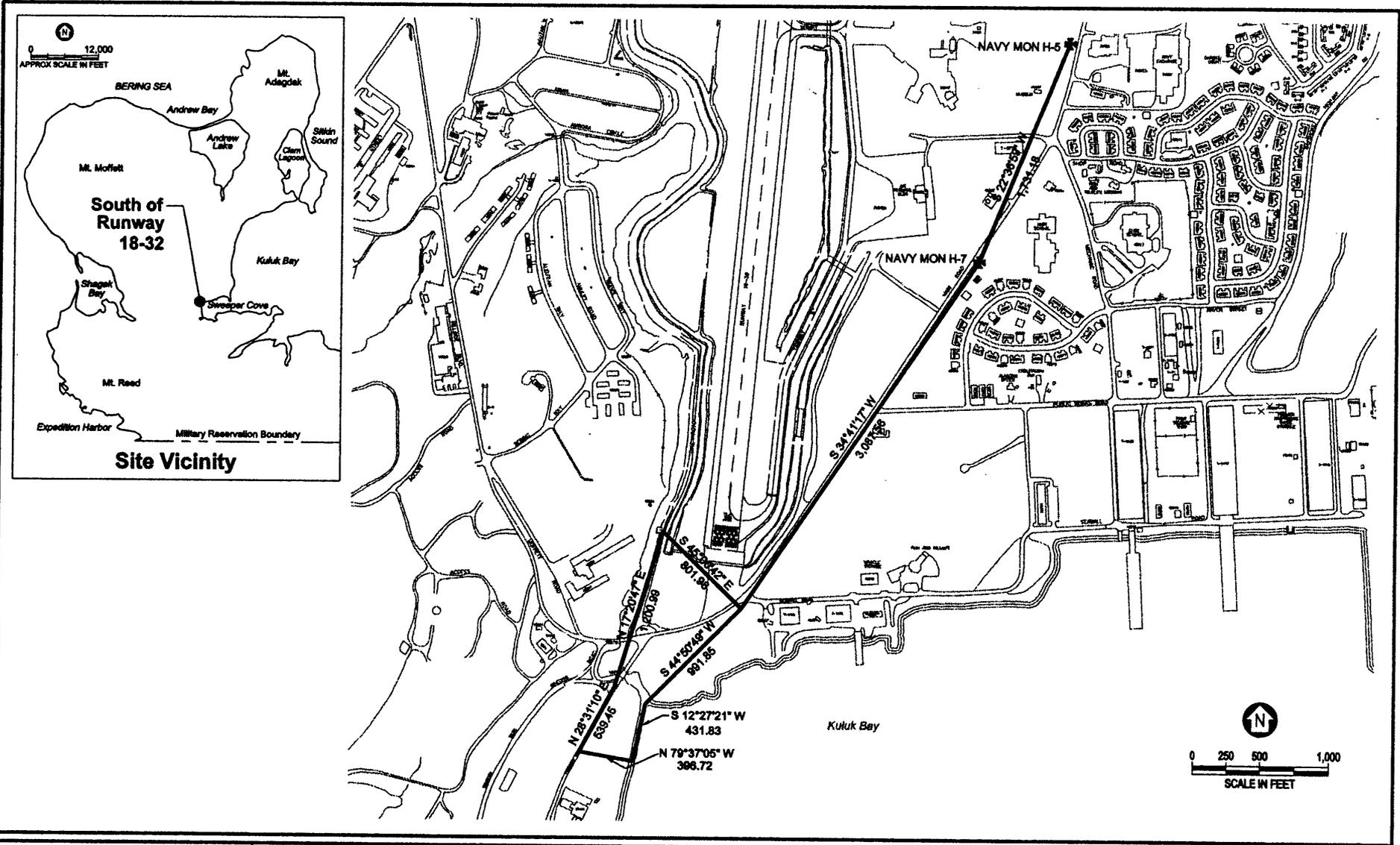


Inset A

REVISION: 1. NAD83 Coverage of Adak Island, Alaska
 EDIT DATE: 01/19/01
 BY: [illegible]

DRAFT

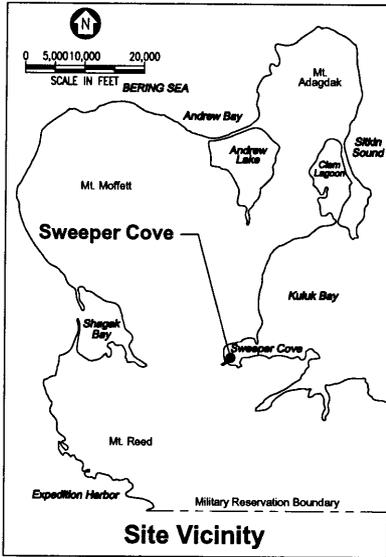
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Scale as Shown

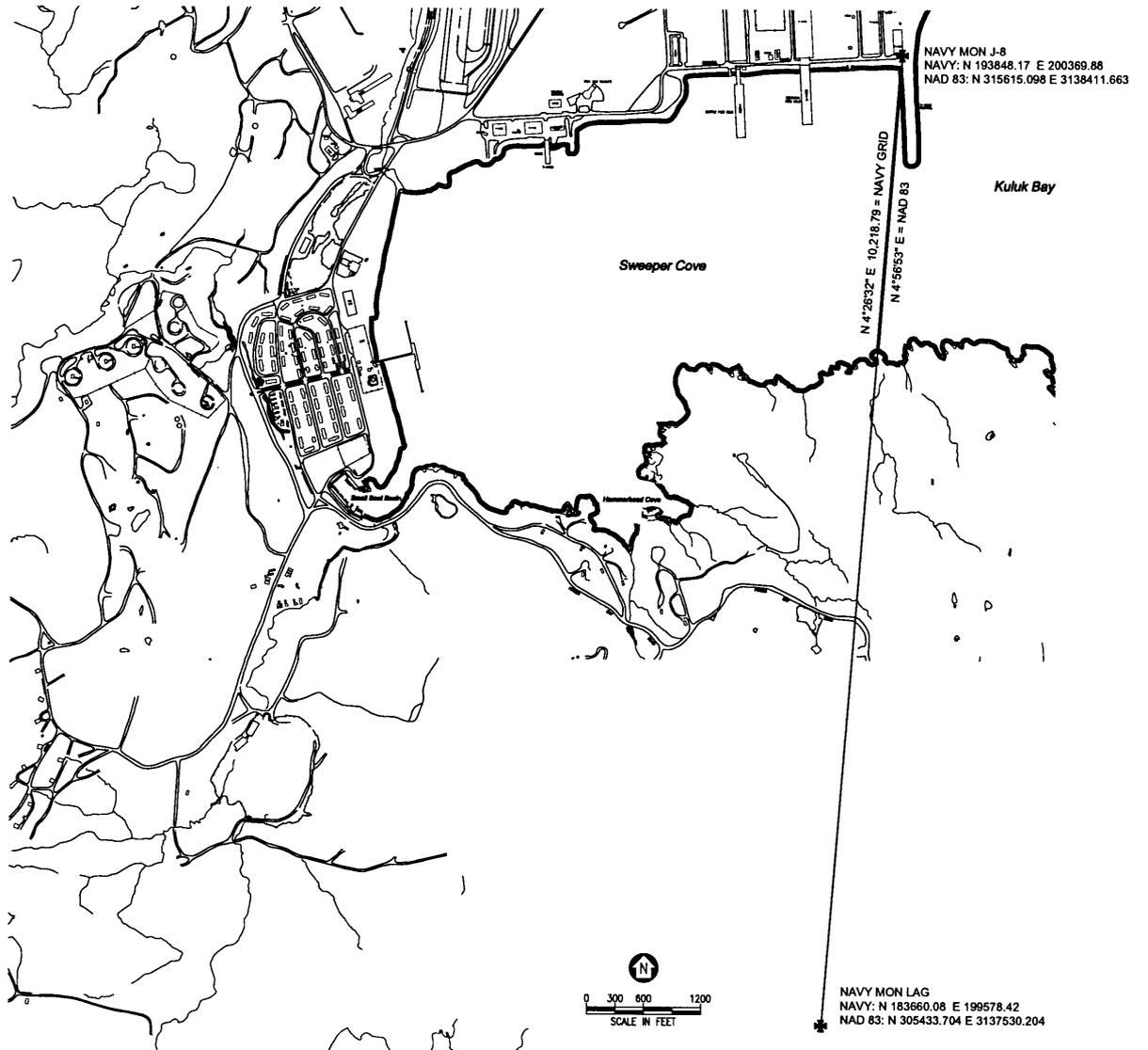
South Runway of 18-36 Area

Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-25

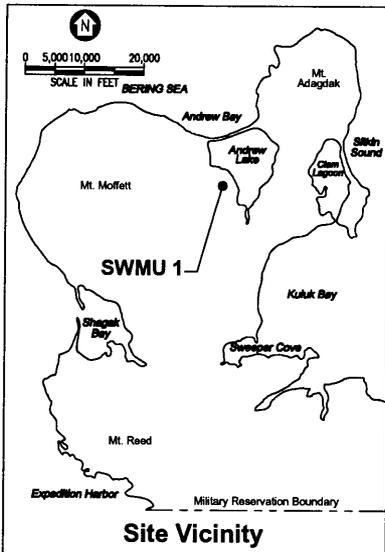


SWEEPER COVE DESCRIPTION

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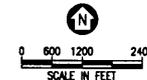
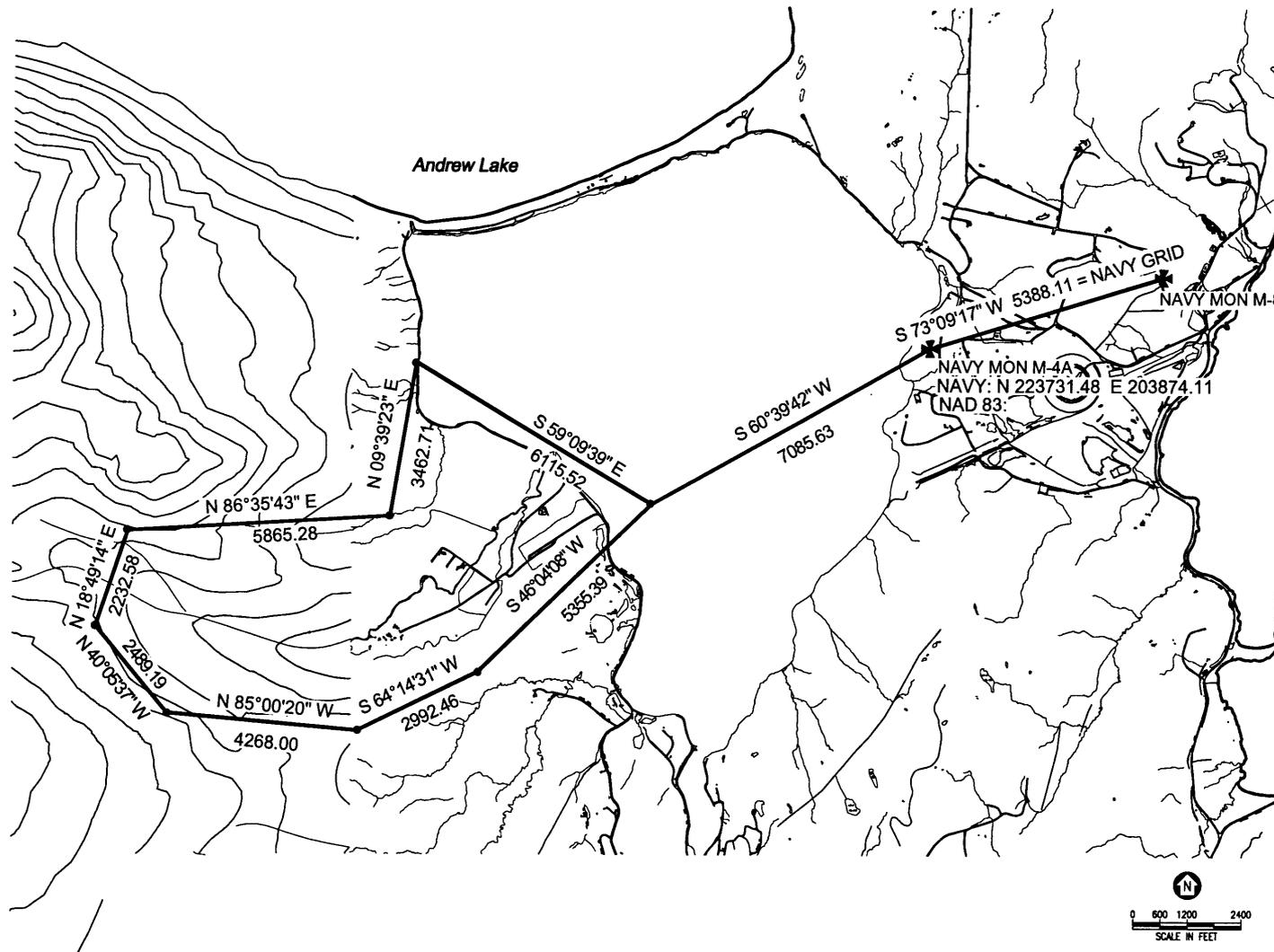
<p>CLEAN COMPREHENSIVE LONG-TERM ENVIRONMENTAL ACTION NAVY</p>	<p>Adak Island, AK IC SITE SURVEY</p>	<p>Scale as Shown</p>	<p>Sweeper Cove</p>
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Site Vicinity

SWMU 1 DESCRIPTION

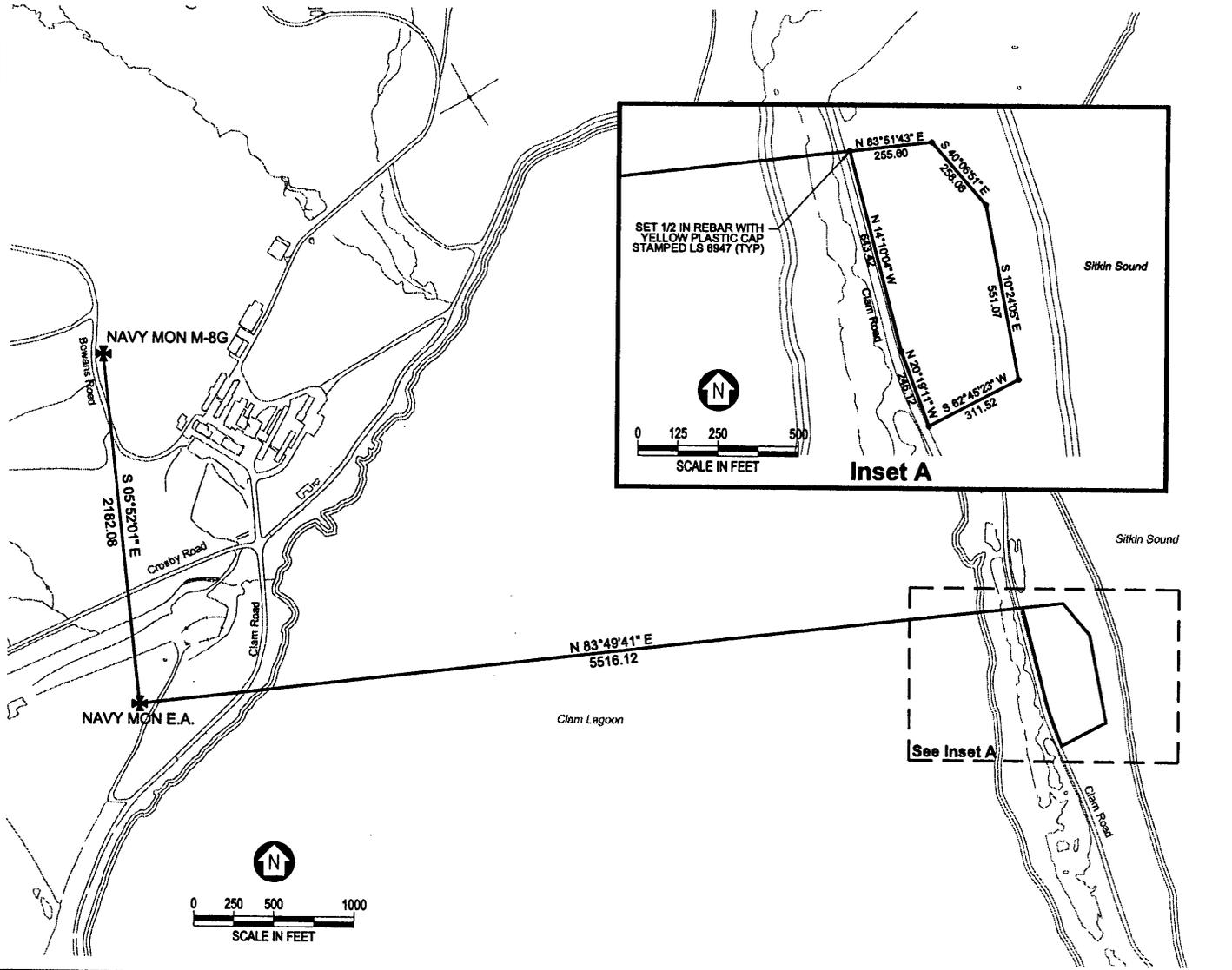
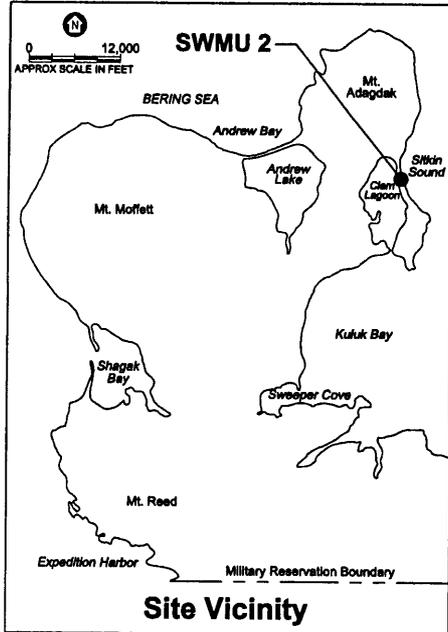
Coordinates and bearings for this site were generated from URS CAD coverages modified in 2000. This site was not field surveyed.



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 EDIT DATE: 01/19/01
 BY: BRJ

DRAFT

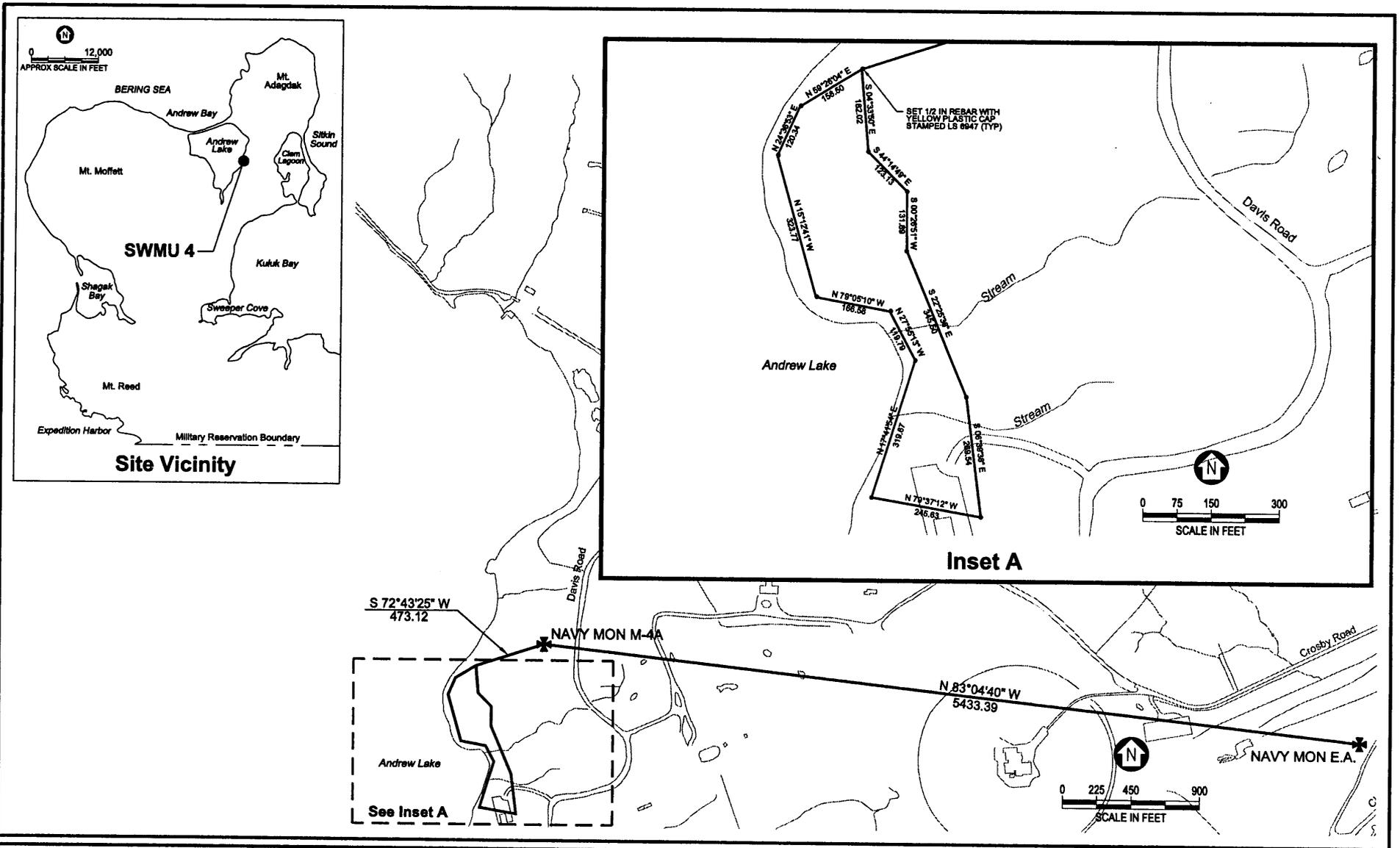
<p>CLEAN COMPREHENSIVE LONG-TERM ENVIRONMENTAL ACTION NAVY</p>	<p>Adak Island, AK IC SITE SURVEY</p>	<p>Scale as Shown</p>	<p>SWMU 1 Andrew Lake Waste Ordnance Demolition Range</p>
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Scale as Shown

**SWMU 2,
Causeway Landfill**

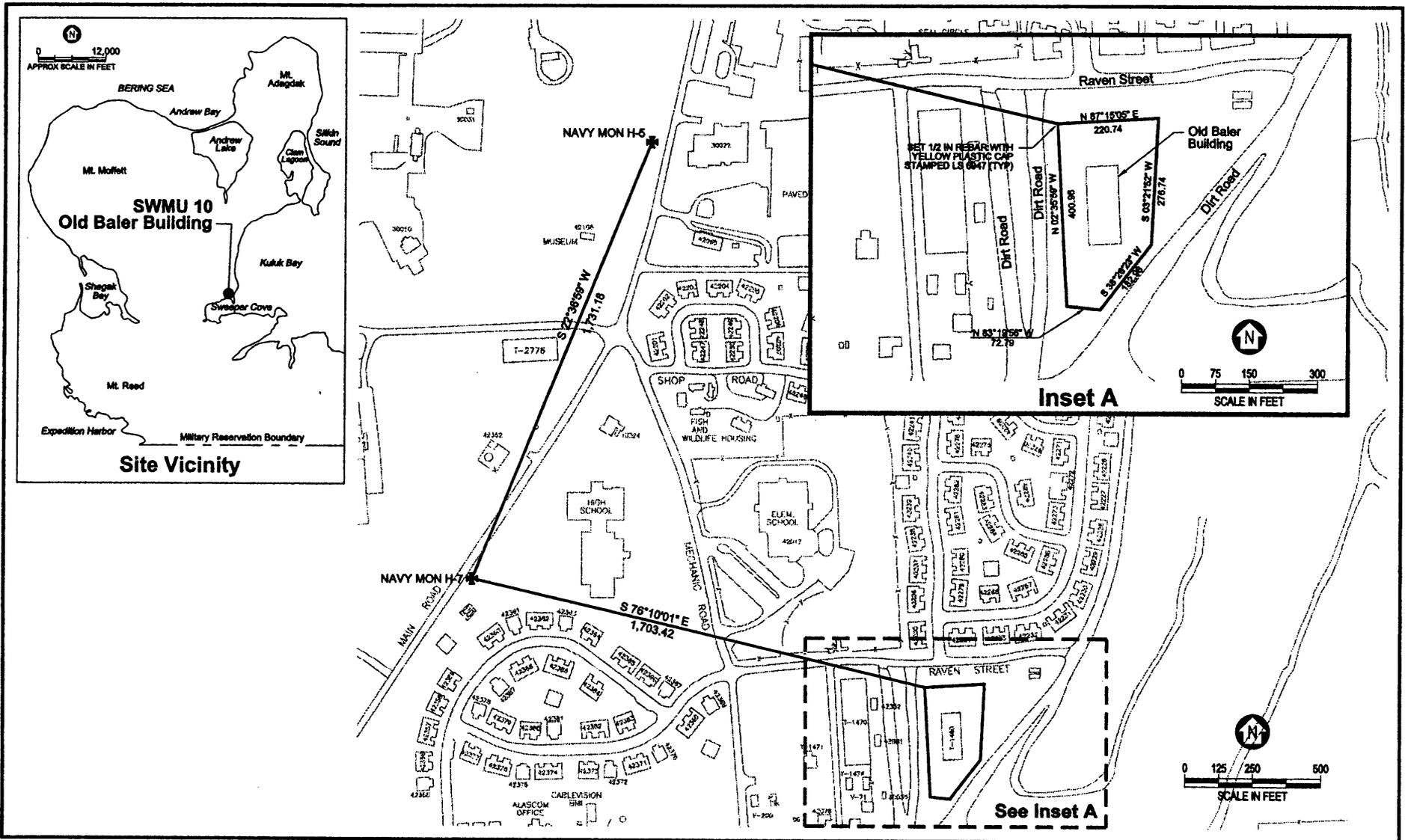
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-37



Scale as Shown

**SWMU 4,
South Davis Road Landfill**

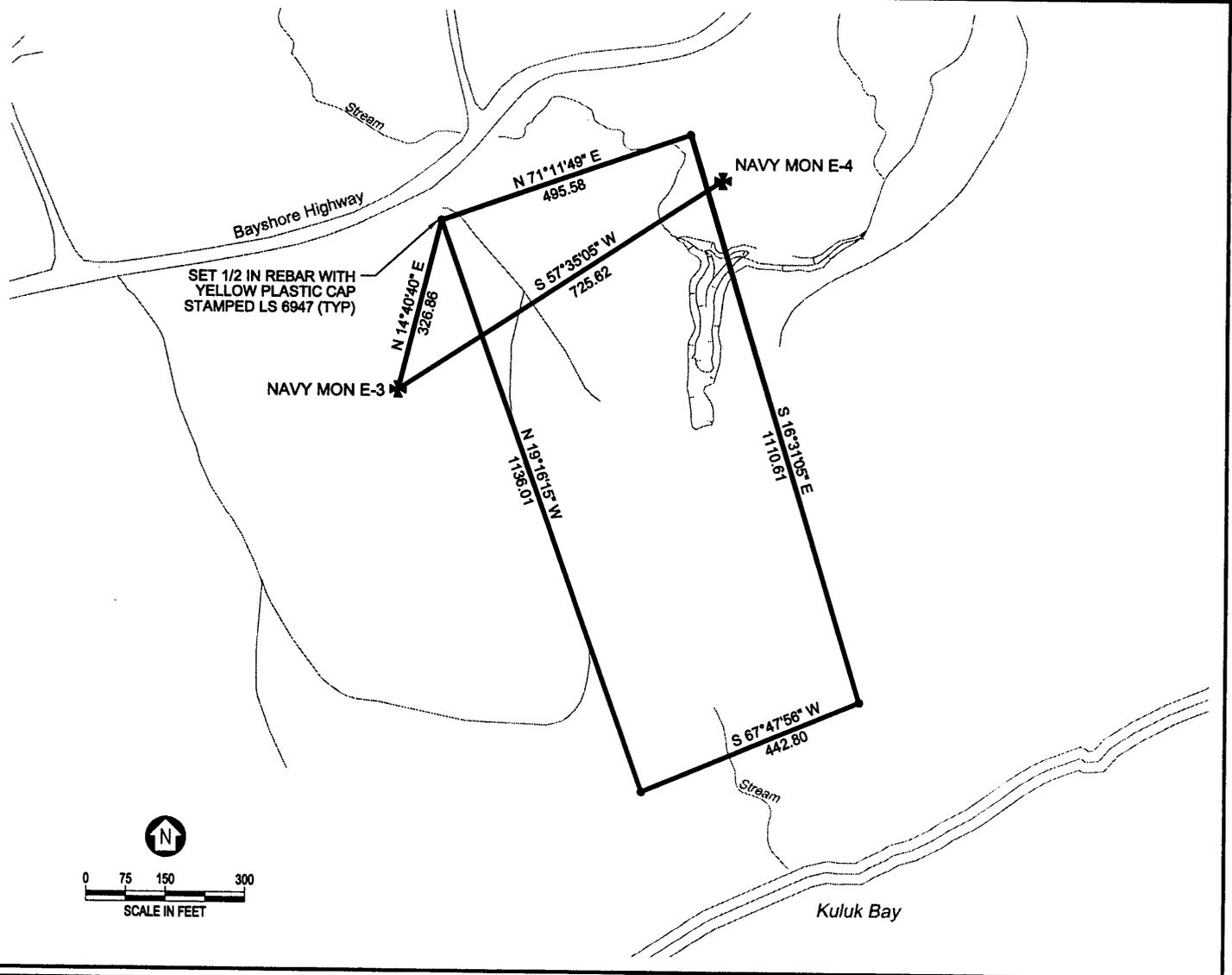
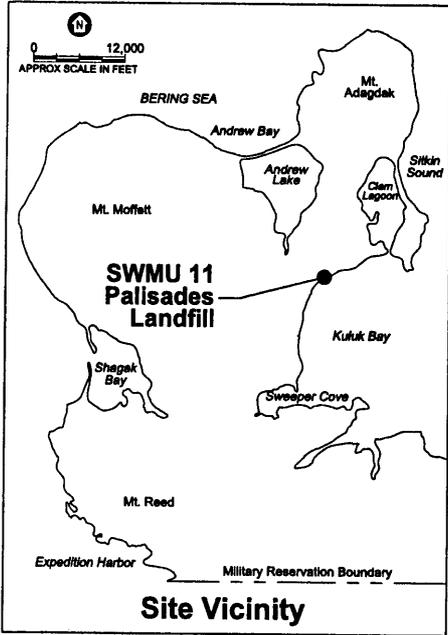
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-38



Scale as Shown

**SWMU 10,
Old Baler Building**

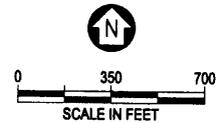
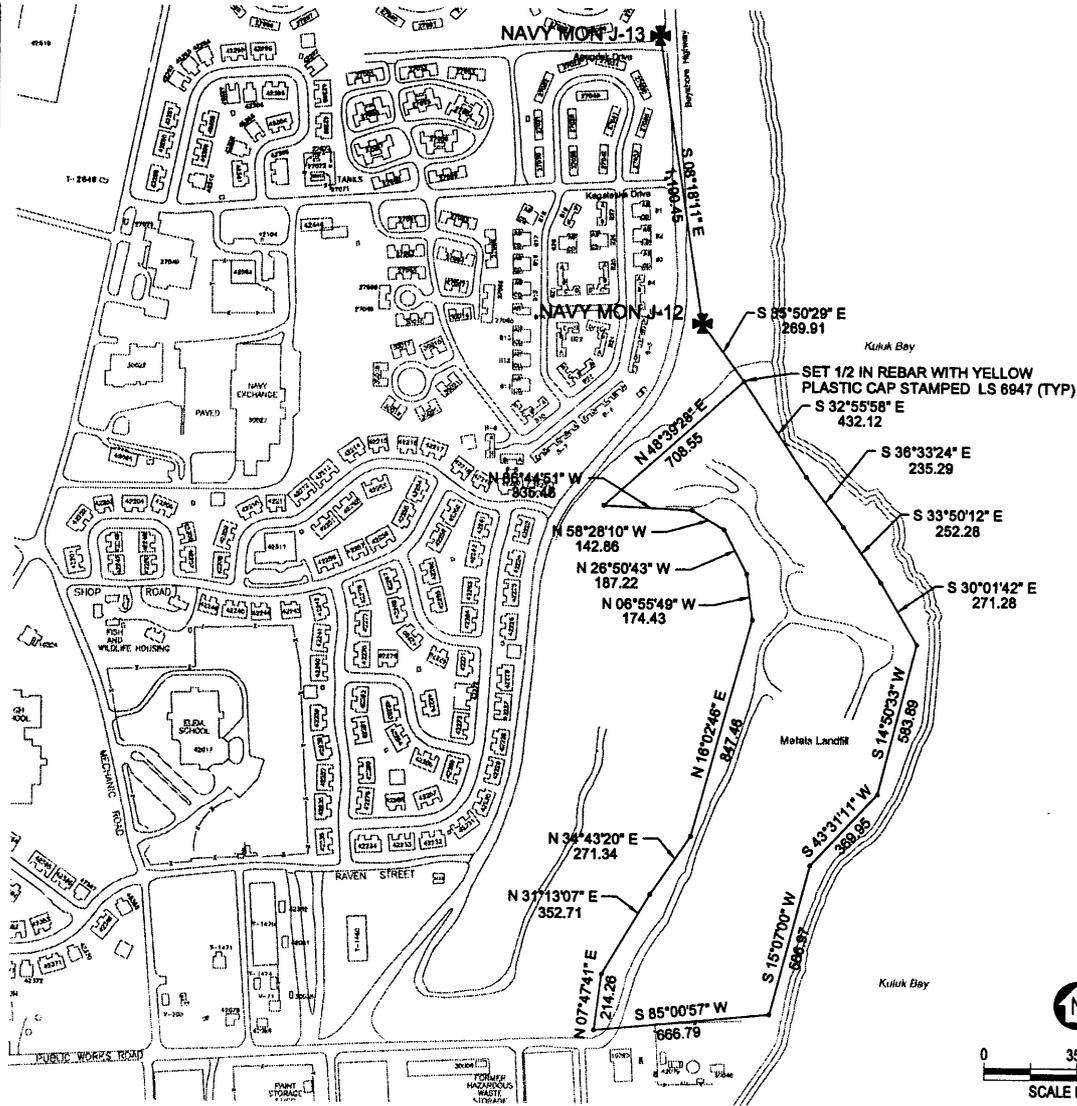
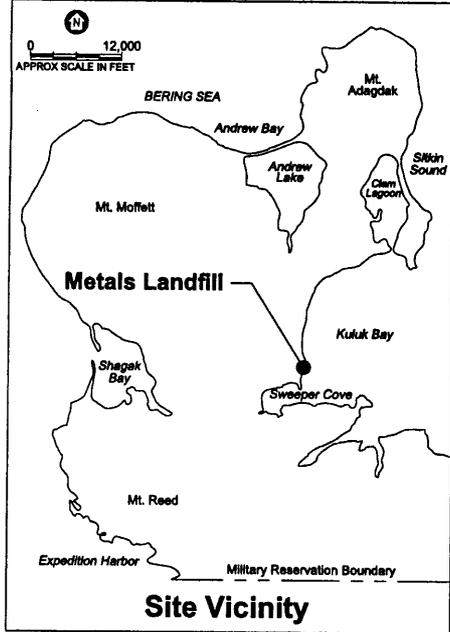
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-2



Scale as Shown

**SWMU 11,
Palisades Landfill**

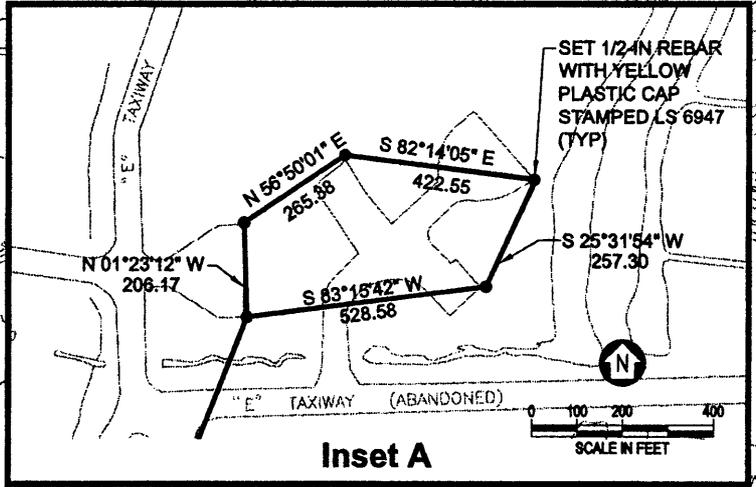
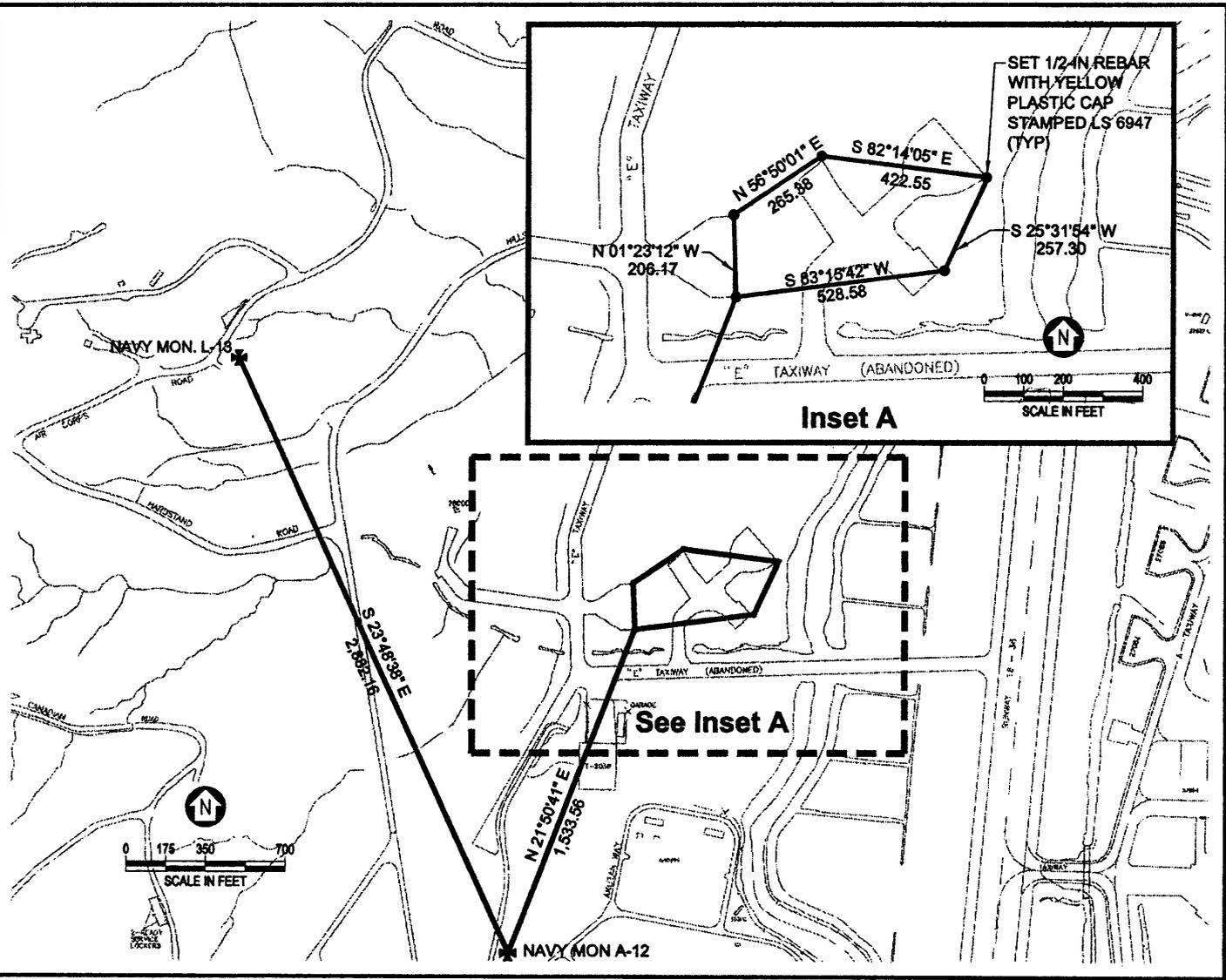
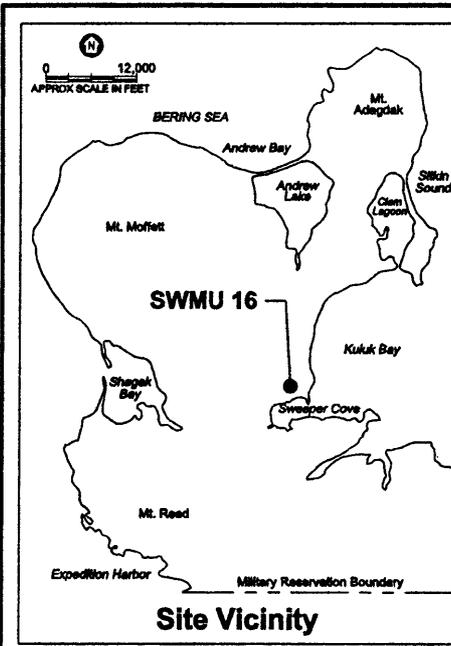
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-42



Scale as Shown

SWMU 13, Metals Landfill

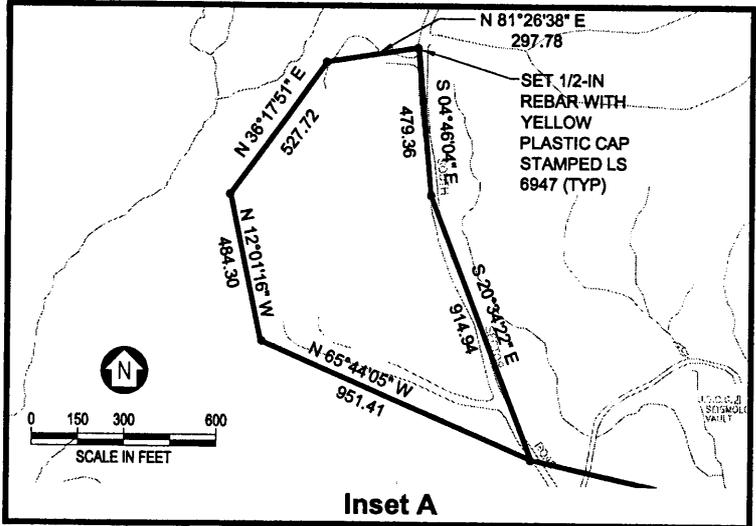
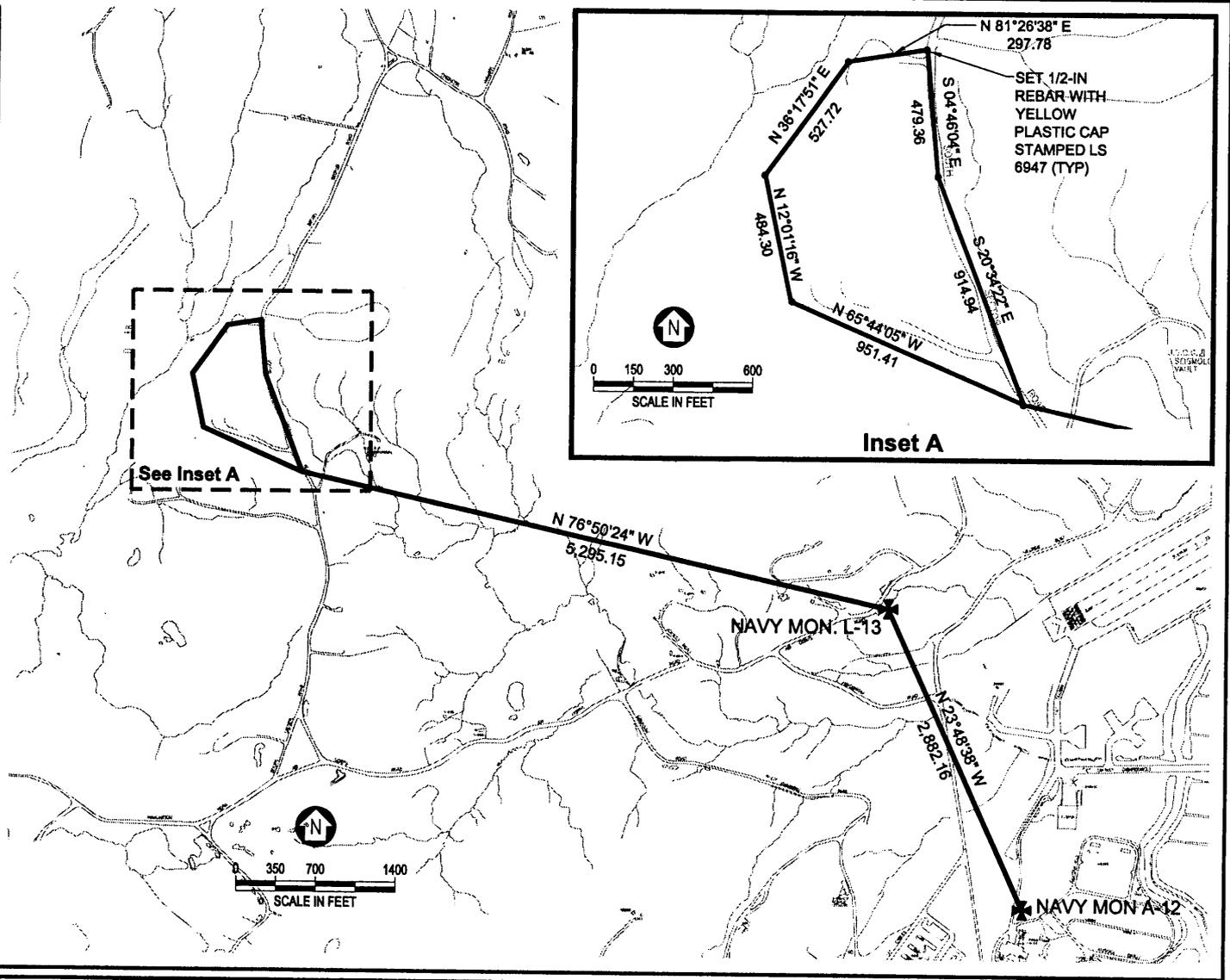
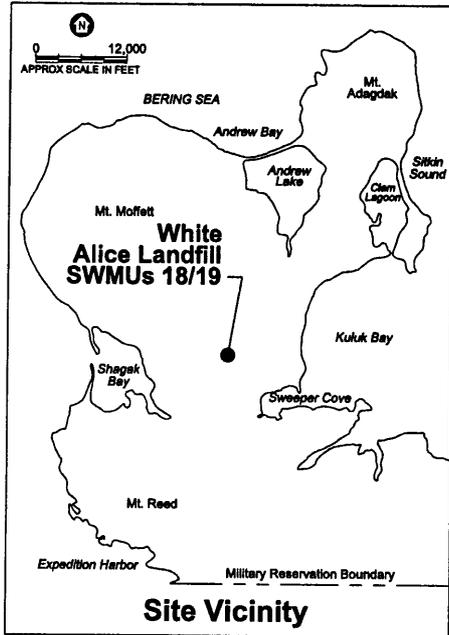
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-39



Scale as Shown

**SWMU 16,
Former Firefighting Training Area**

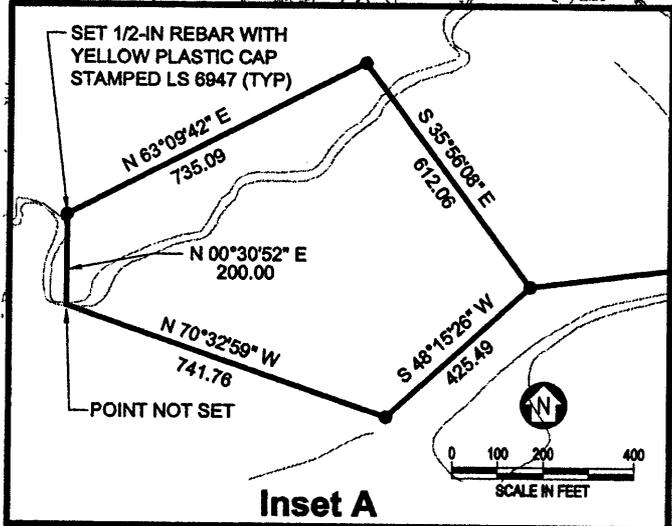
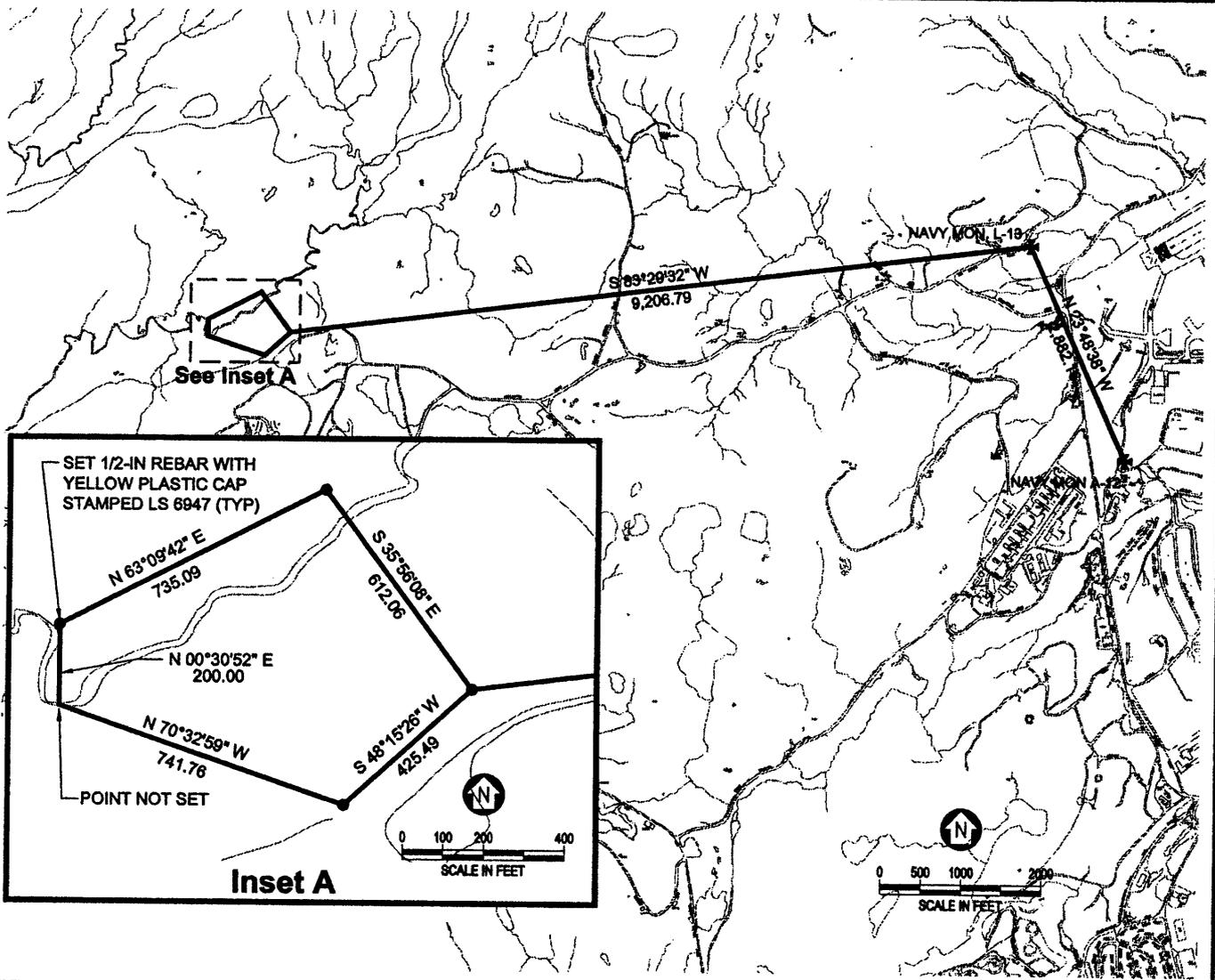
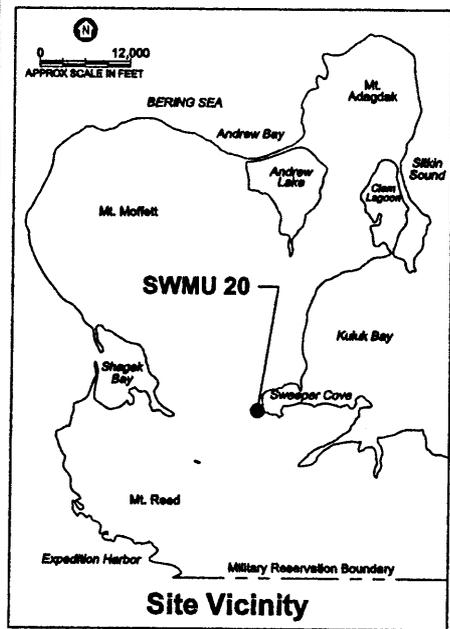
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-5



Scale as Shown

**SWMU 18/19,
White Alice Landfill**

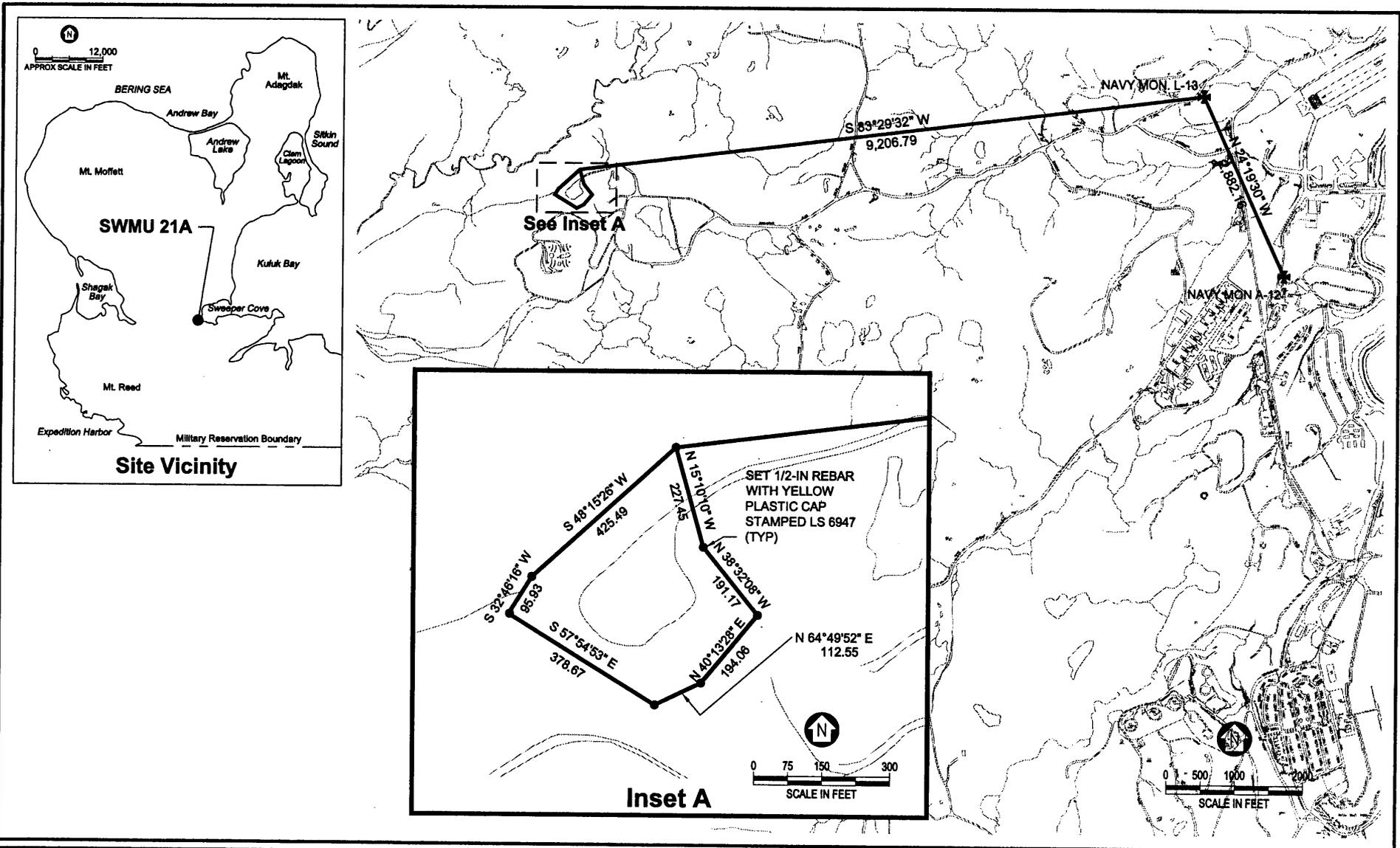
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-35



Scale as Shown

**SWMU 20,
White Alice/Trout Creek
Disposal Area**

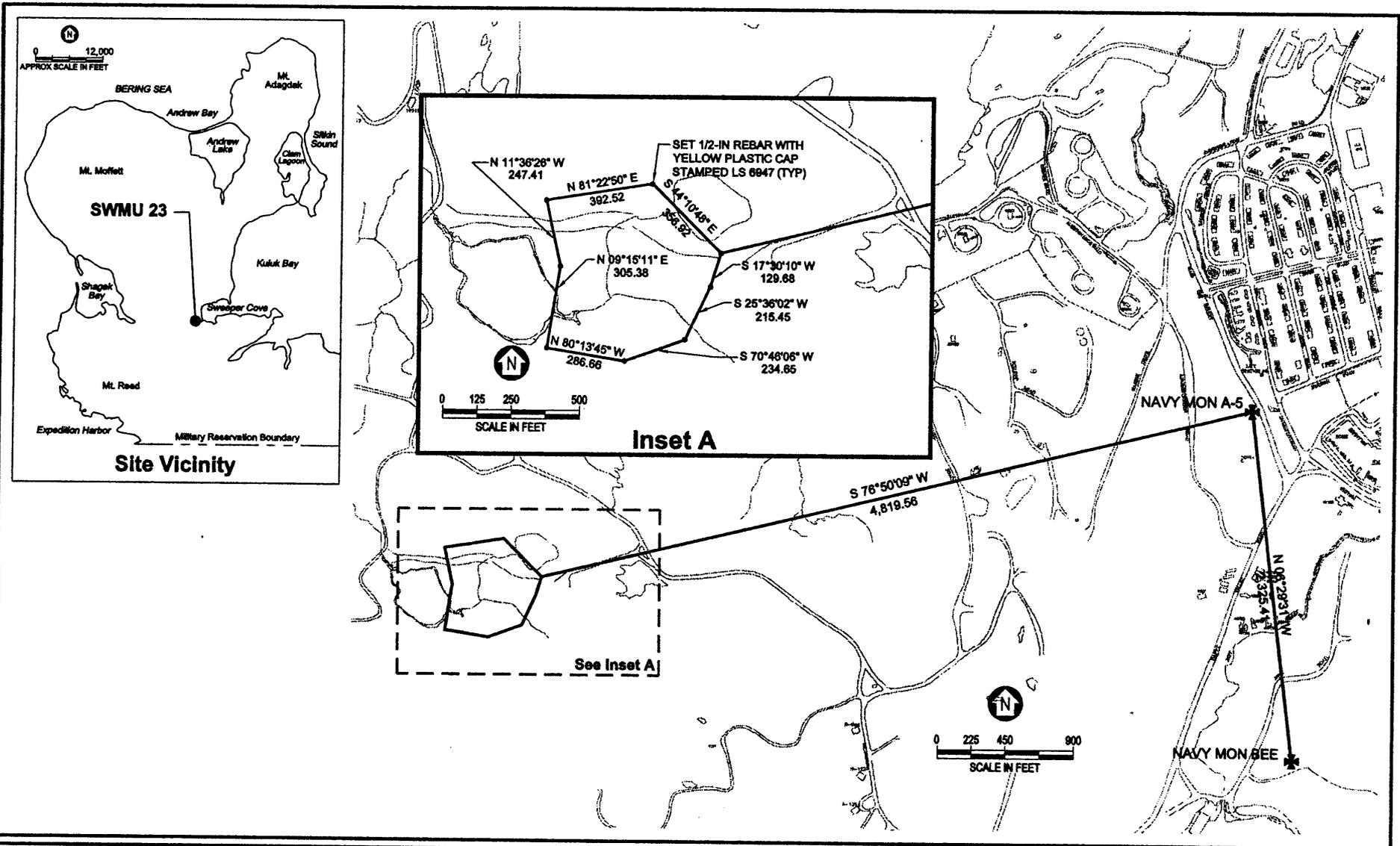
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-28



Scale as Shown

**SWMU 21A,
White Alice Upper Quarry**

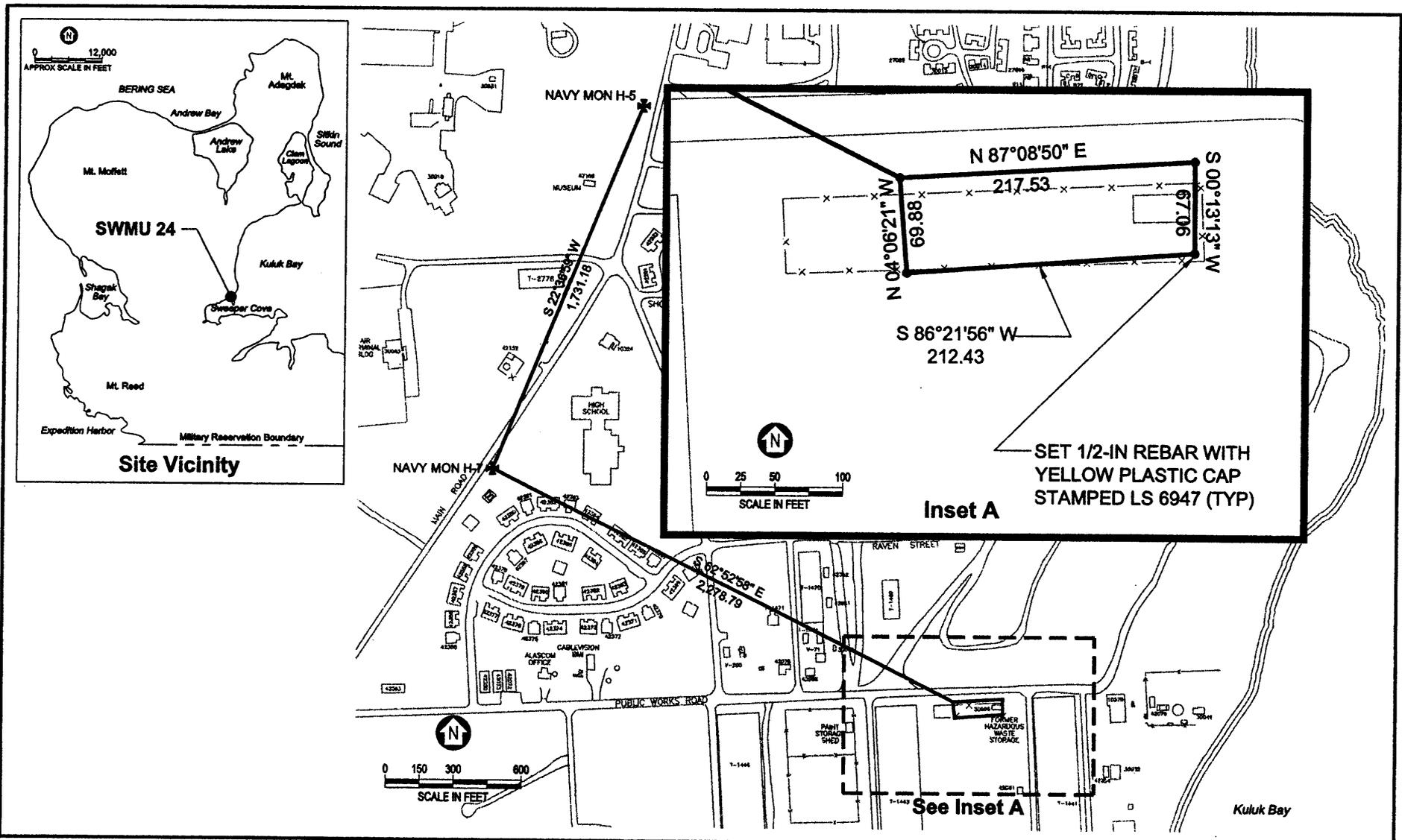
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-40



Scale as Shown

**SWMU 23,
Heart Lake Drum Disposal Area**

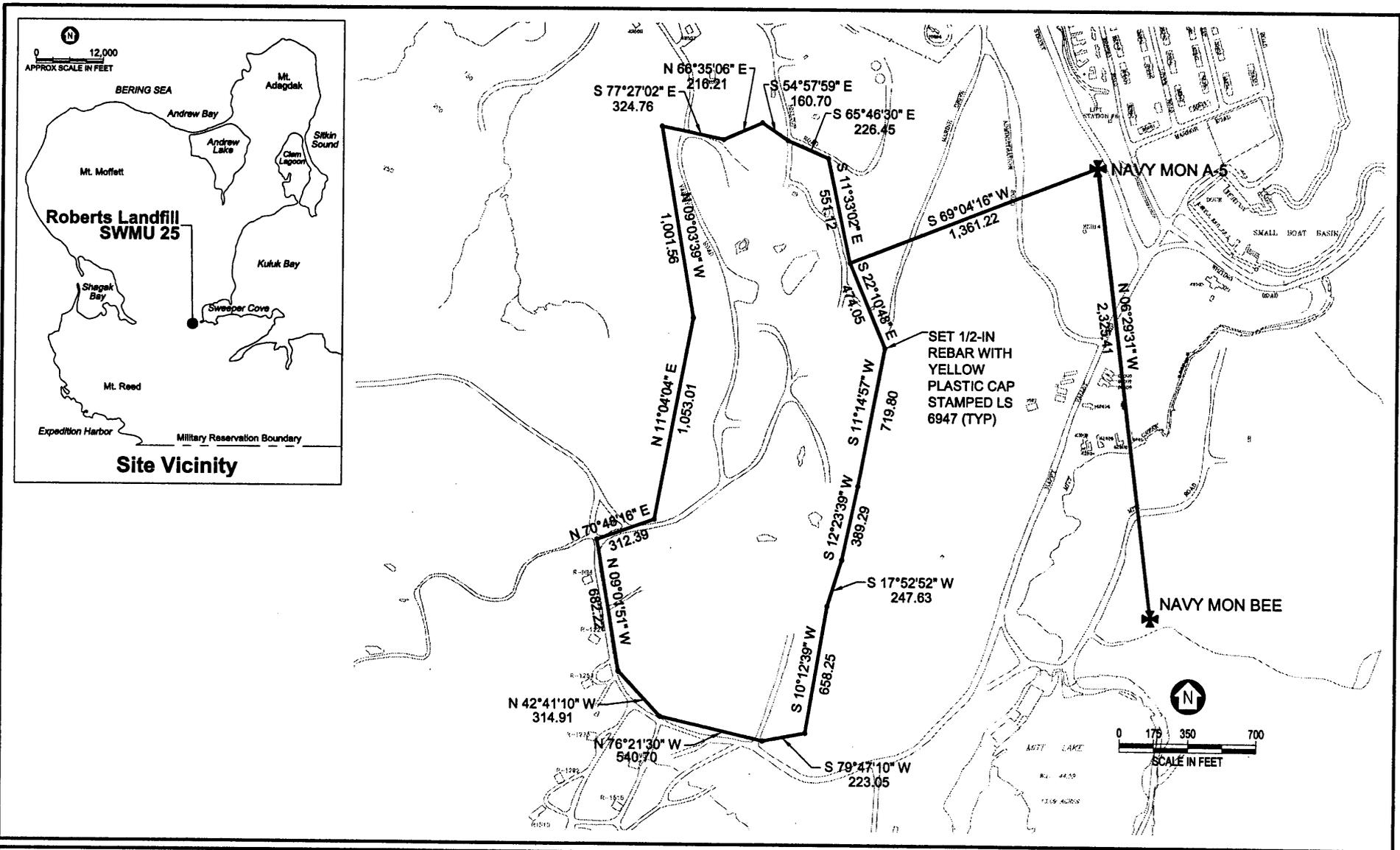
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-29



Scale as Shown

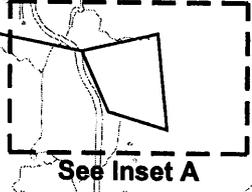
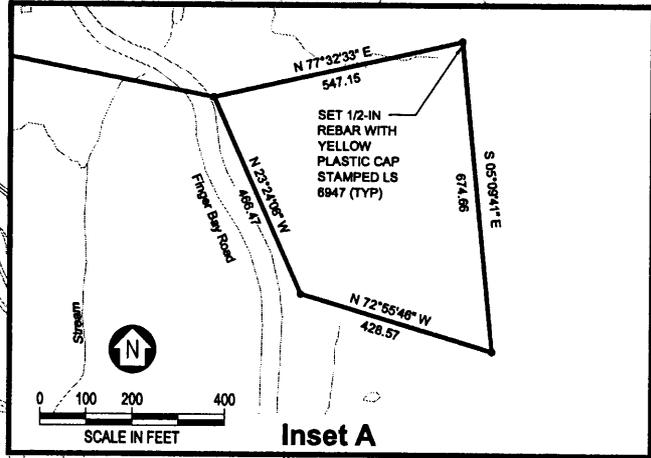
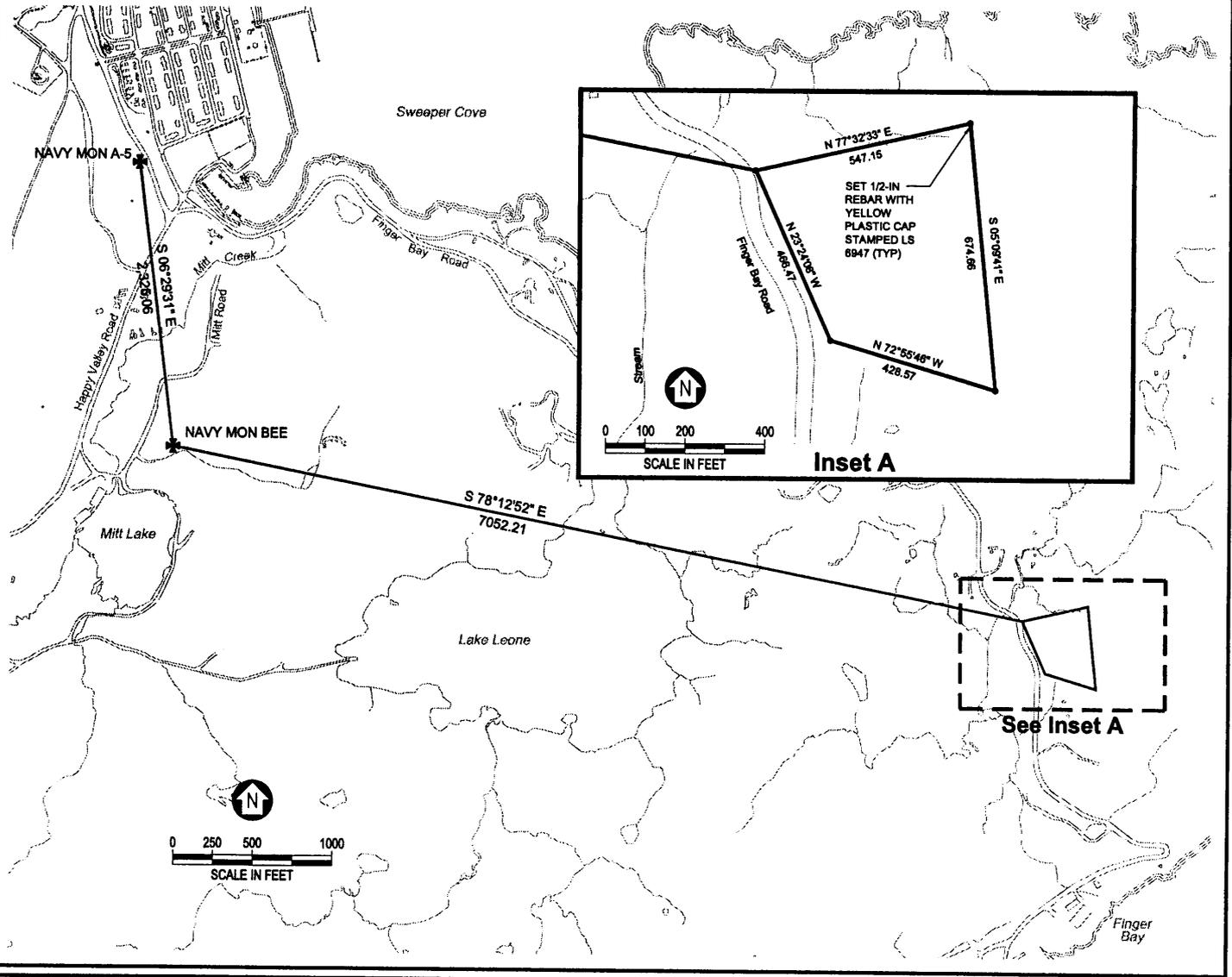
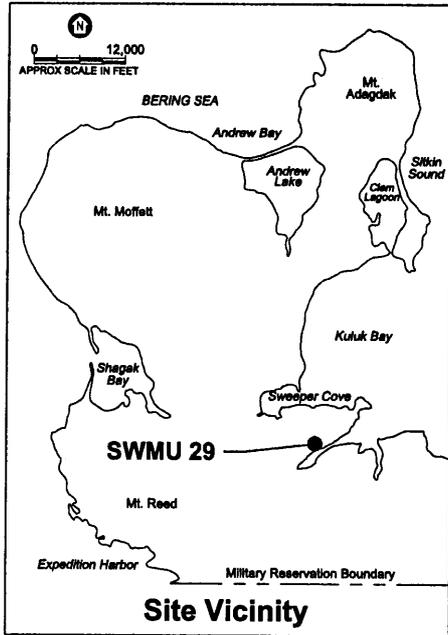
**SWMU 24,
Hazardous Waste Storage Facility**

Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-7



**SWMU 25,
Roberts Landfill**

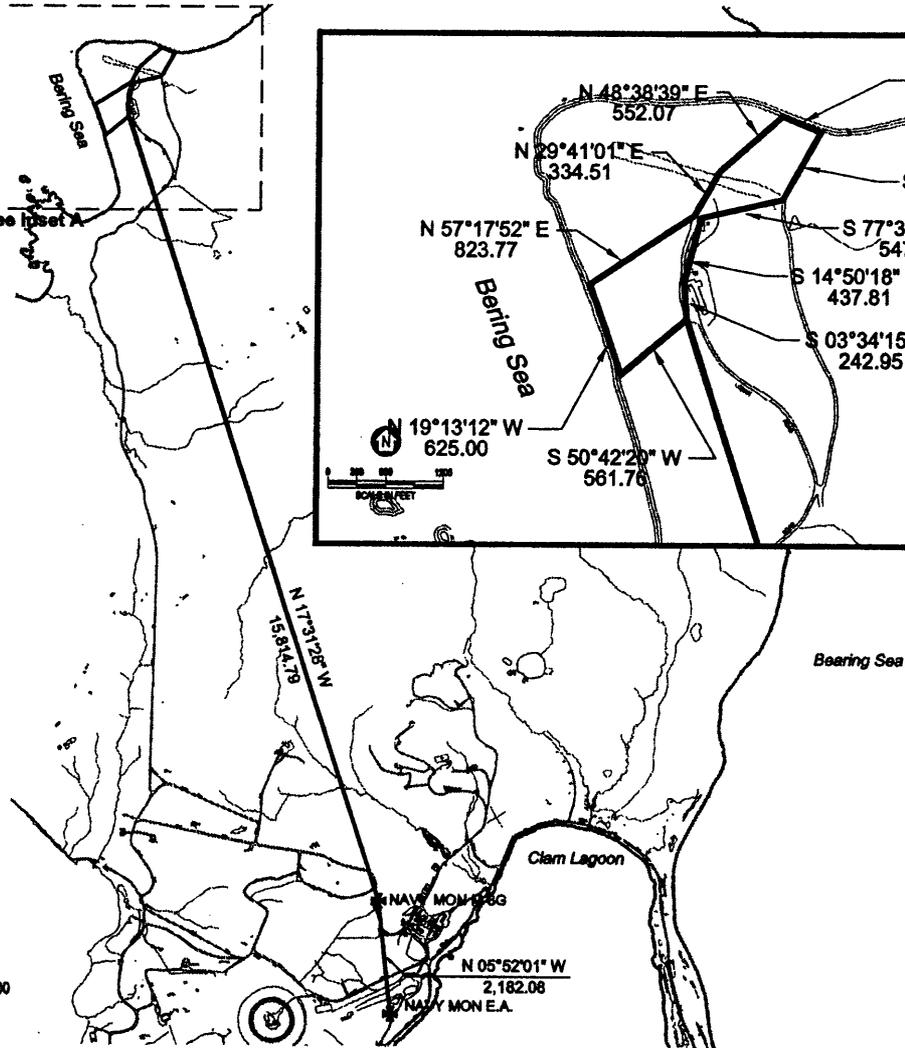
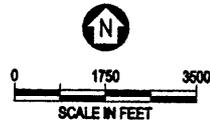
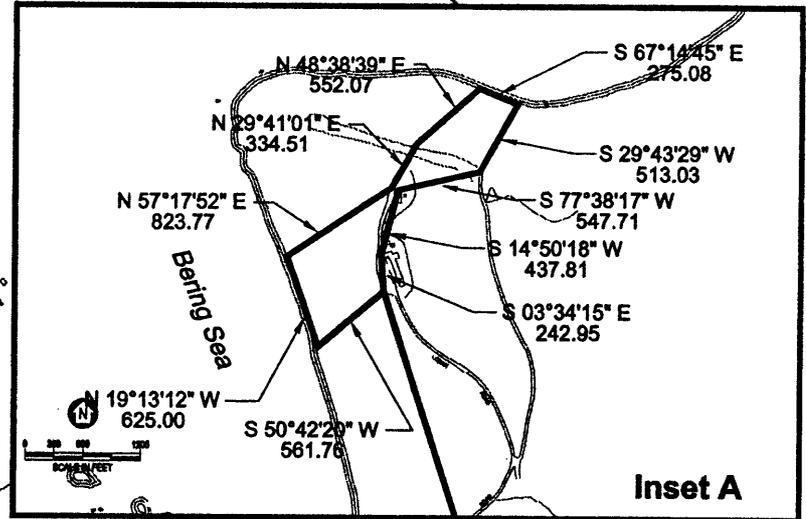
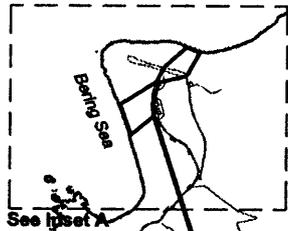
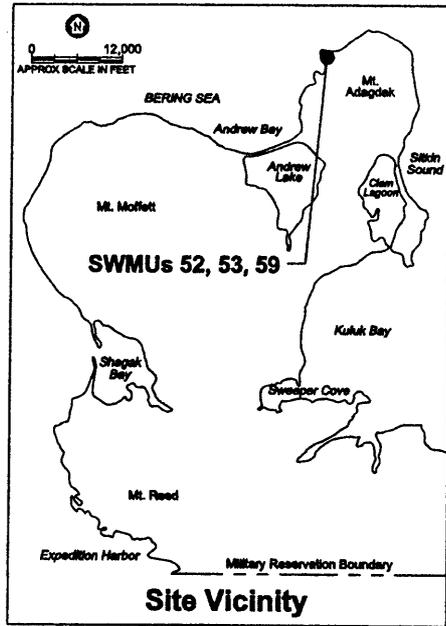
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-36



Scale as Shown

**SWMU 29,
Finger Bay Landfill**

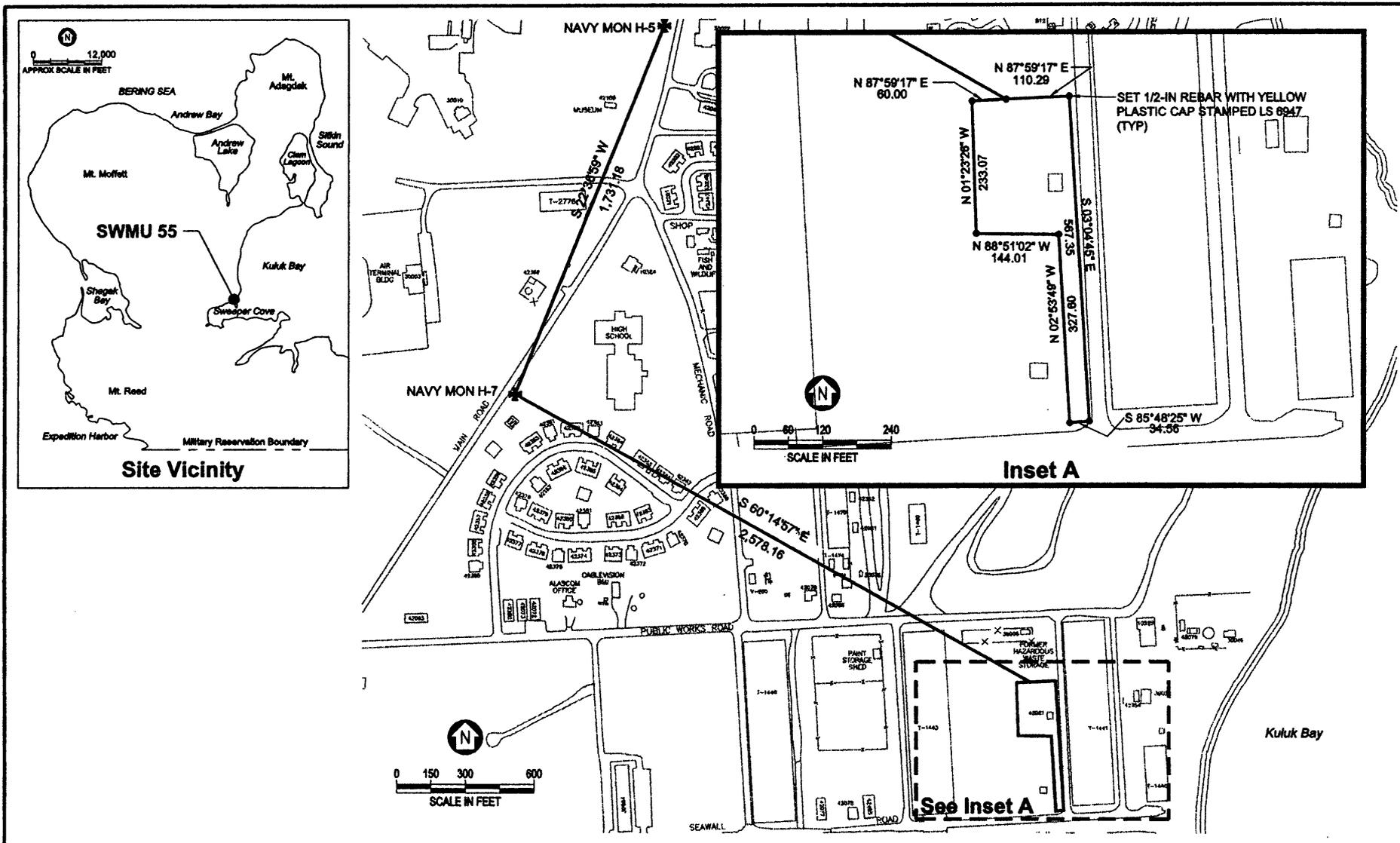
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-41



Scale as Shown

**SWMUs 52, 53, 59,
Former Loran Station**

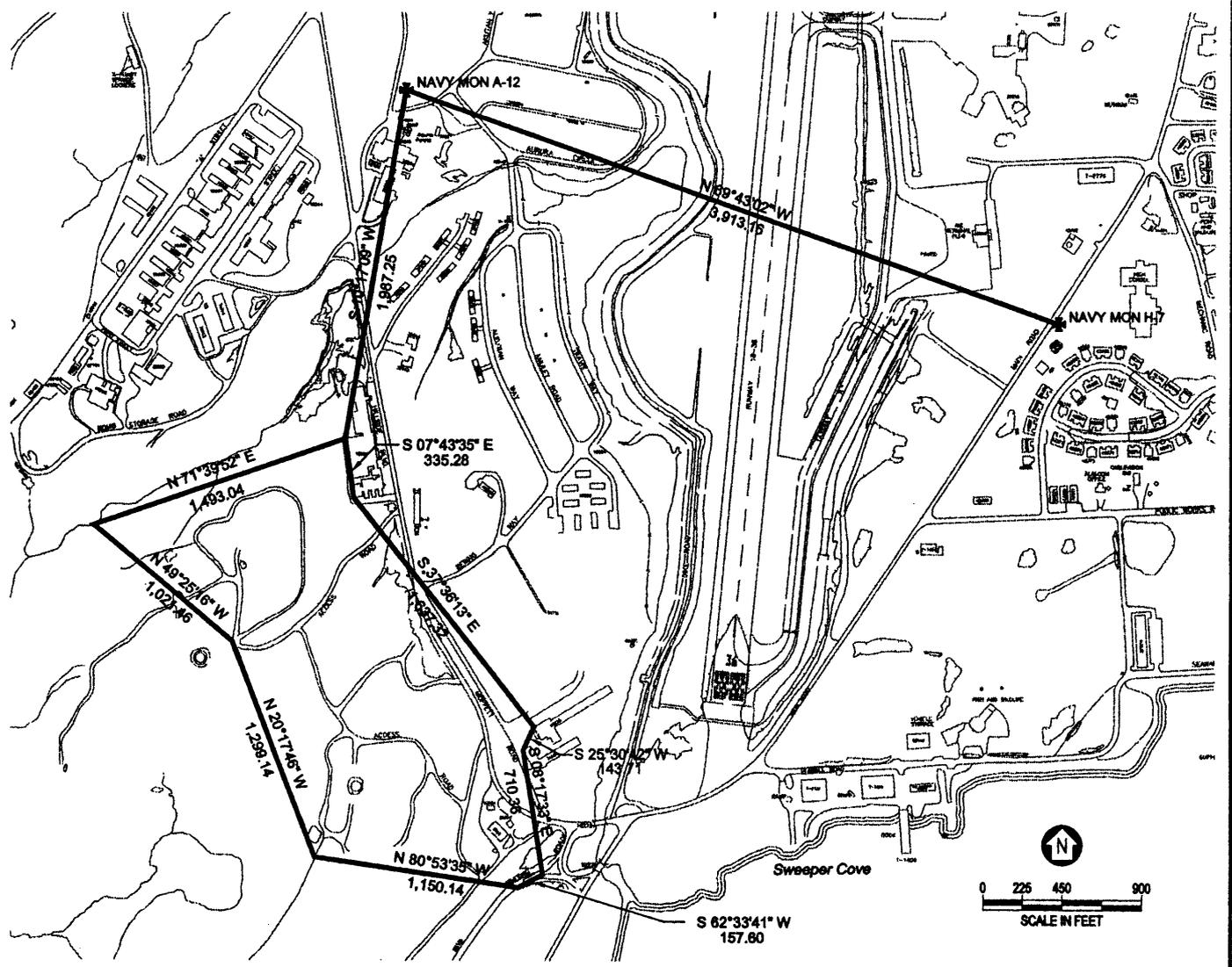
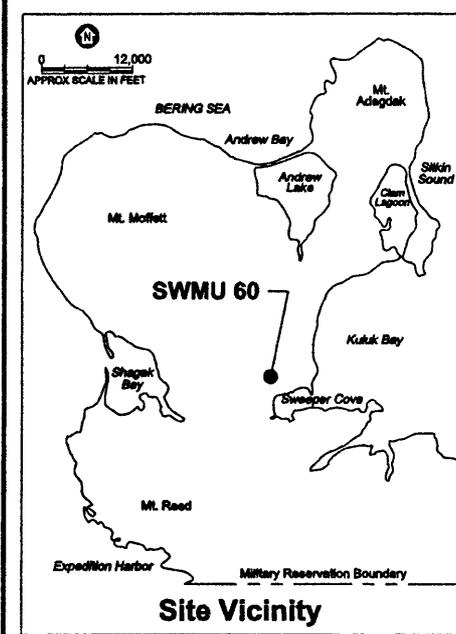
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-30



Scale as Shown

**SWMU 55,
Public Works Transportation
Department Waste Storage Area**

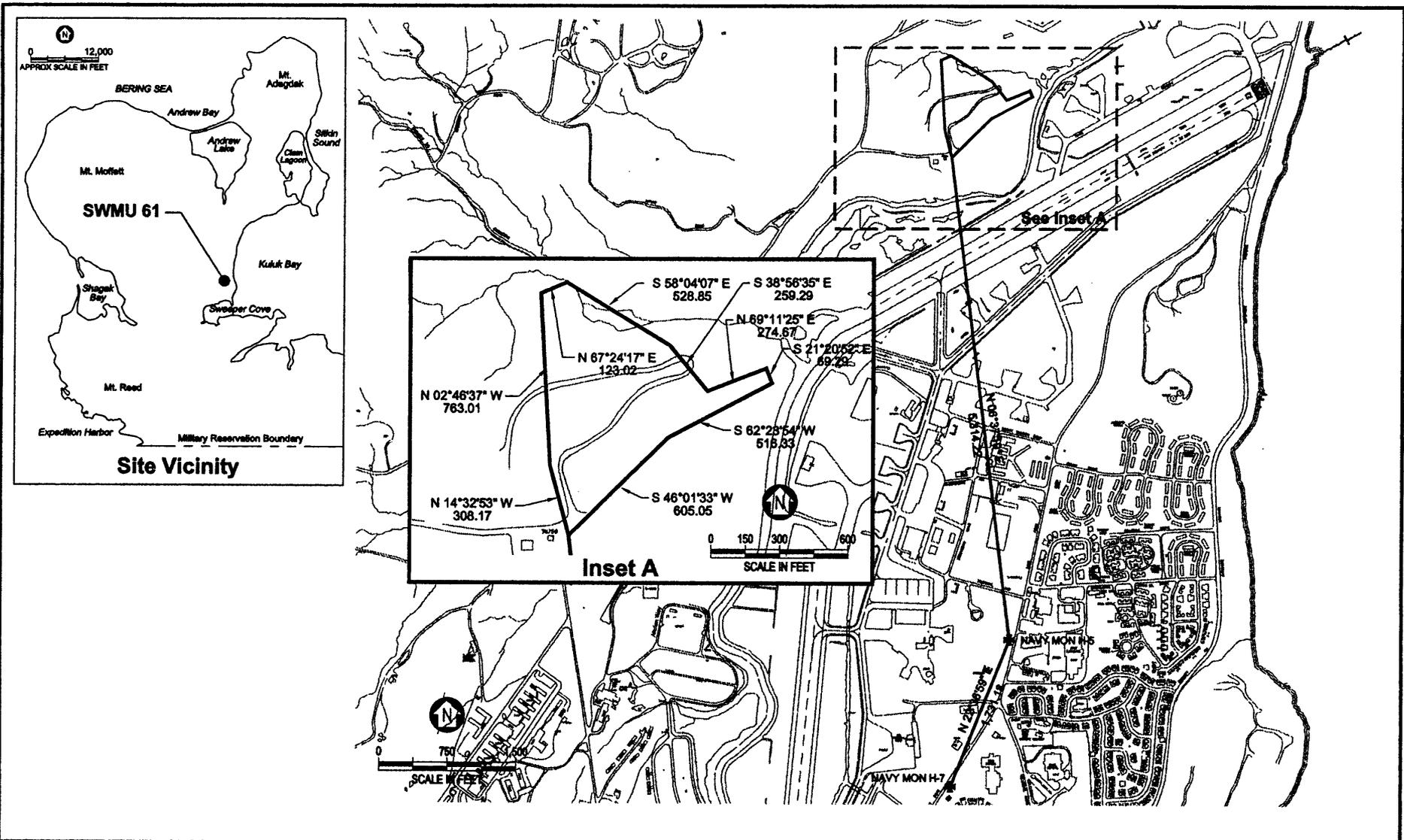
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-8



Scale as Shown

**SWMU 60,
Tank Farm A**

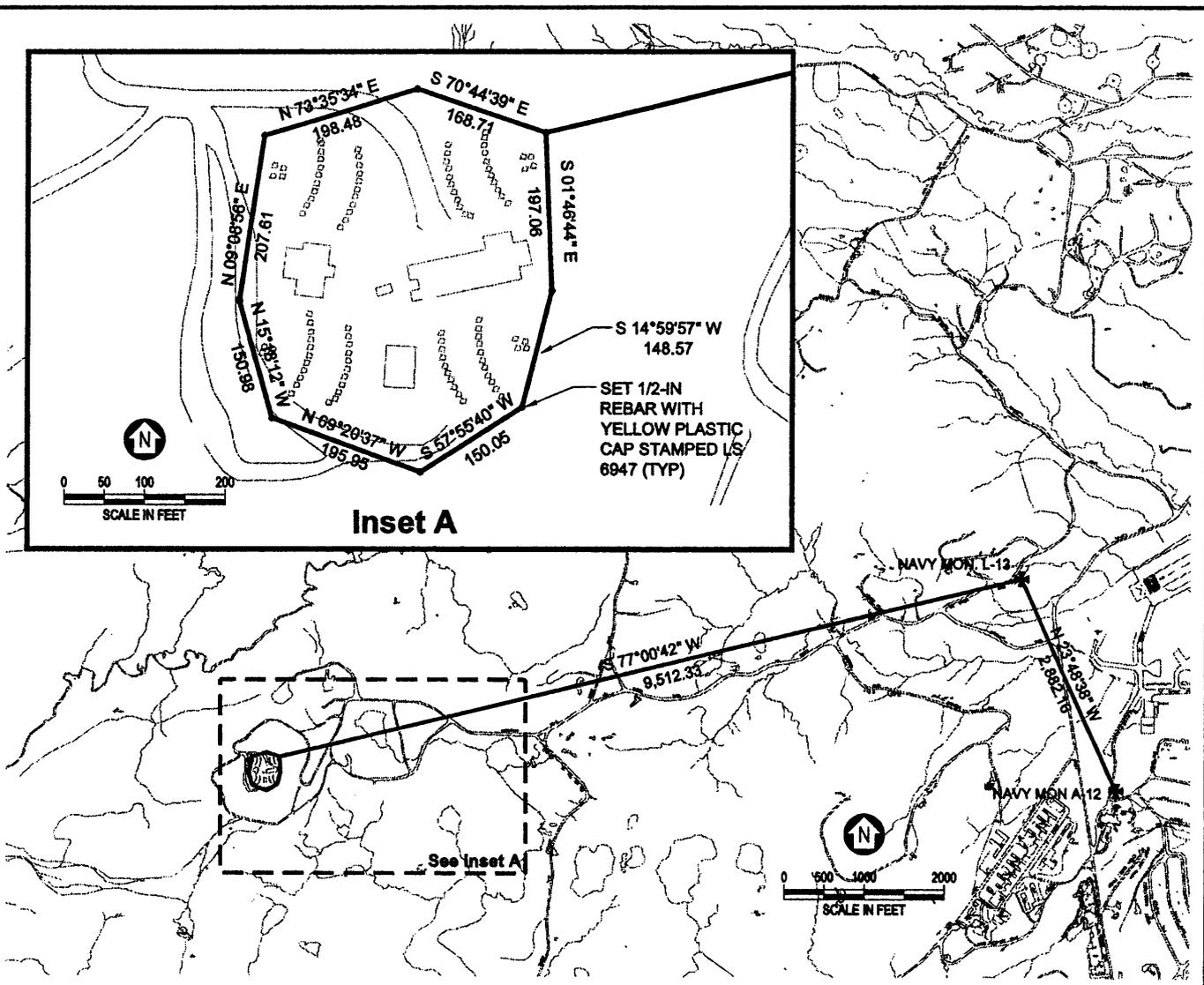
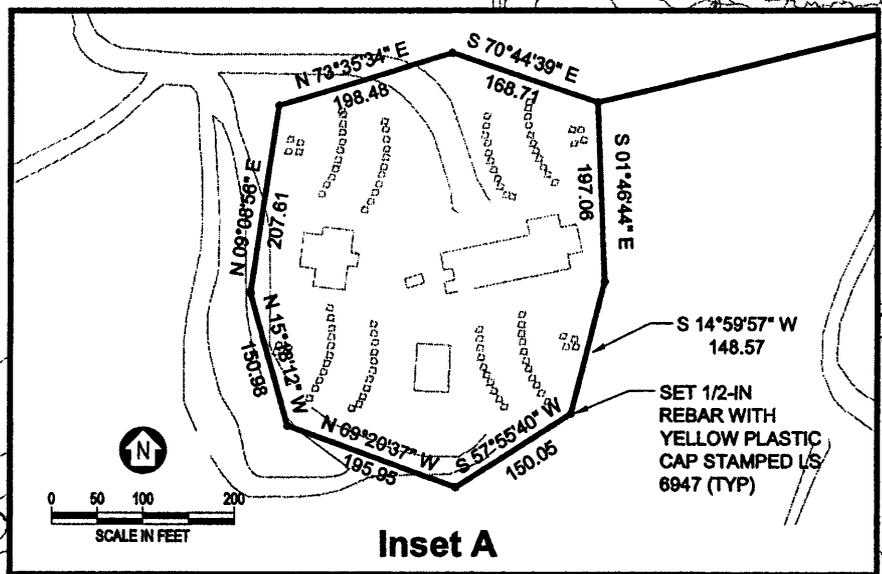
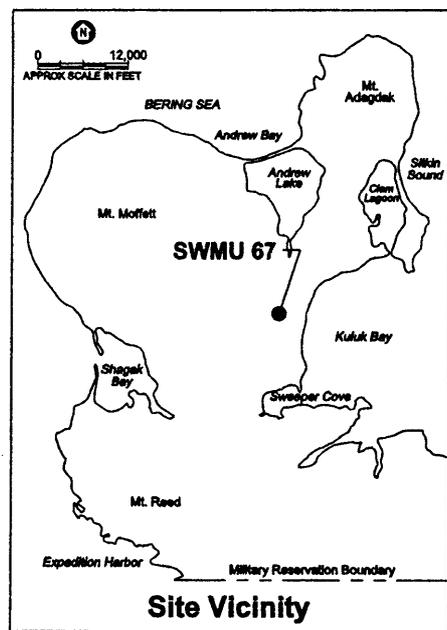
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-9



Scale as Shown

**SWMU 61,
Tank Farm B**

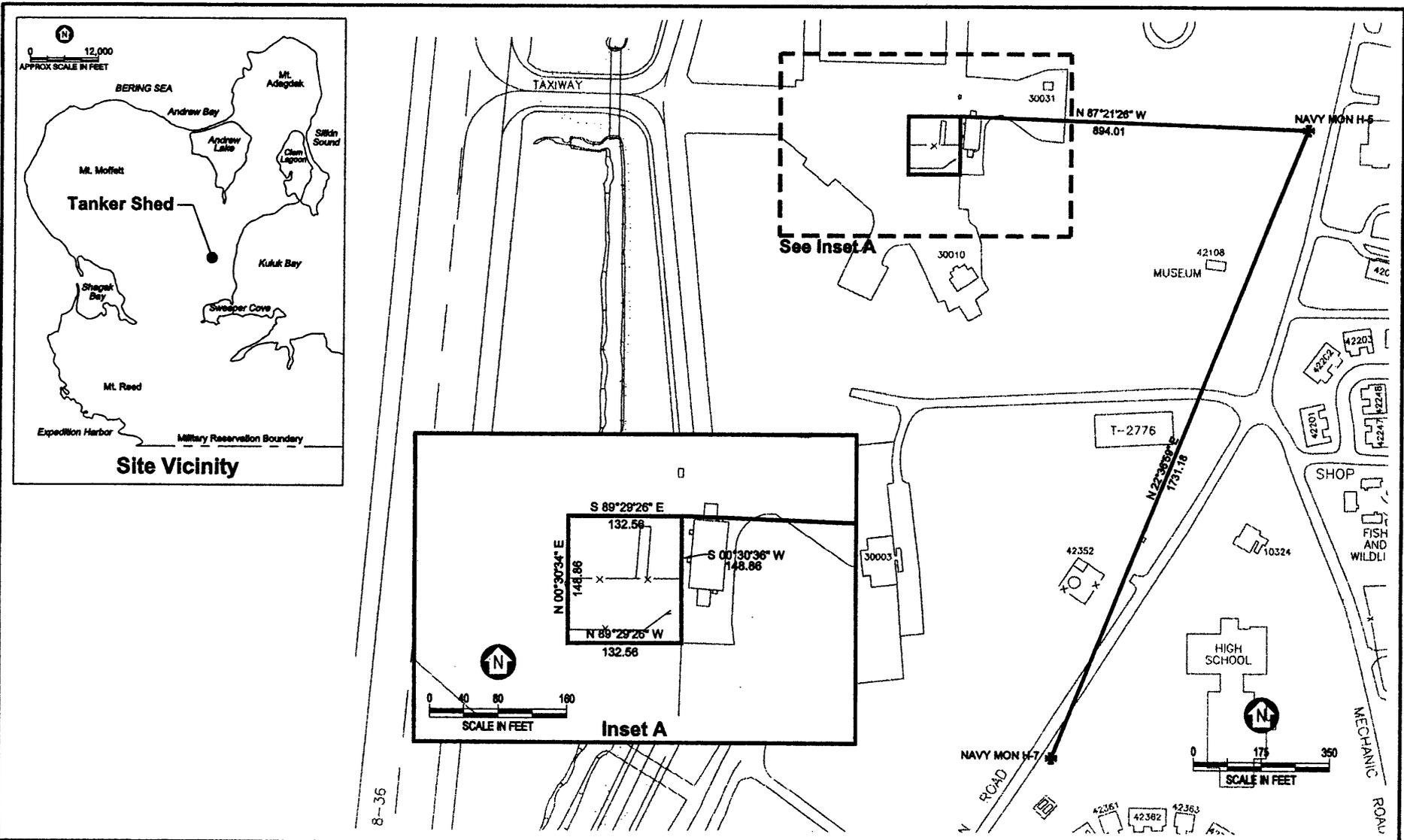
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-10



Scale as Shown

**SWMU 67,
White Alice PCB Spill Site**

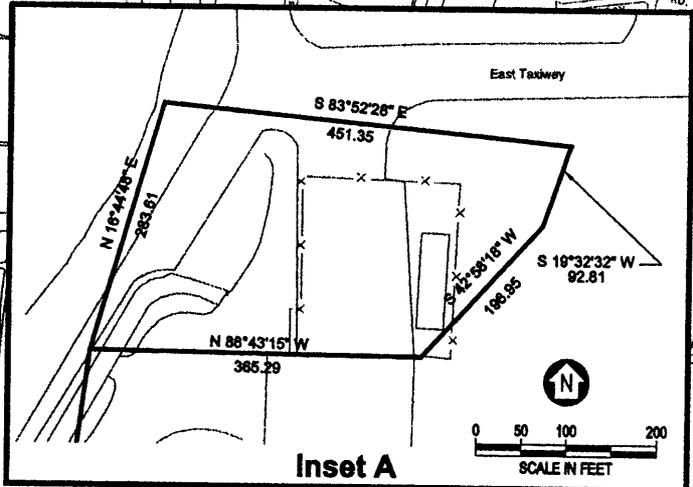
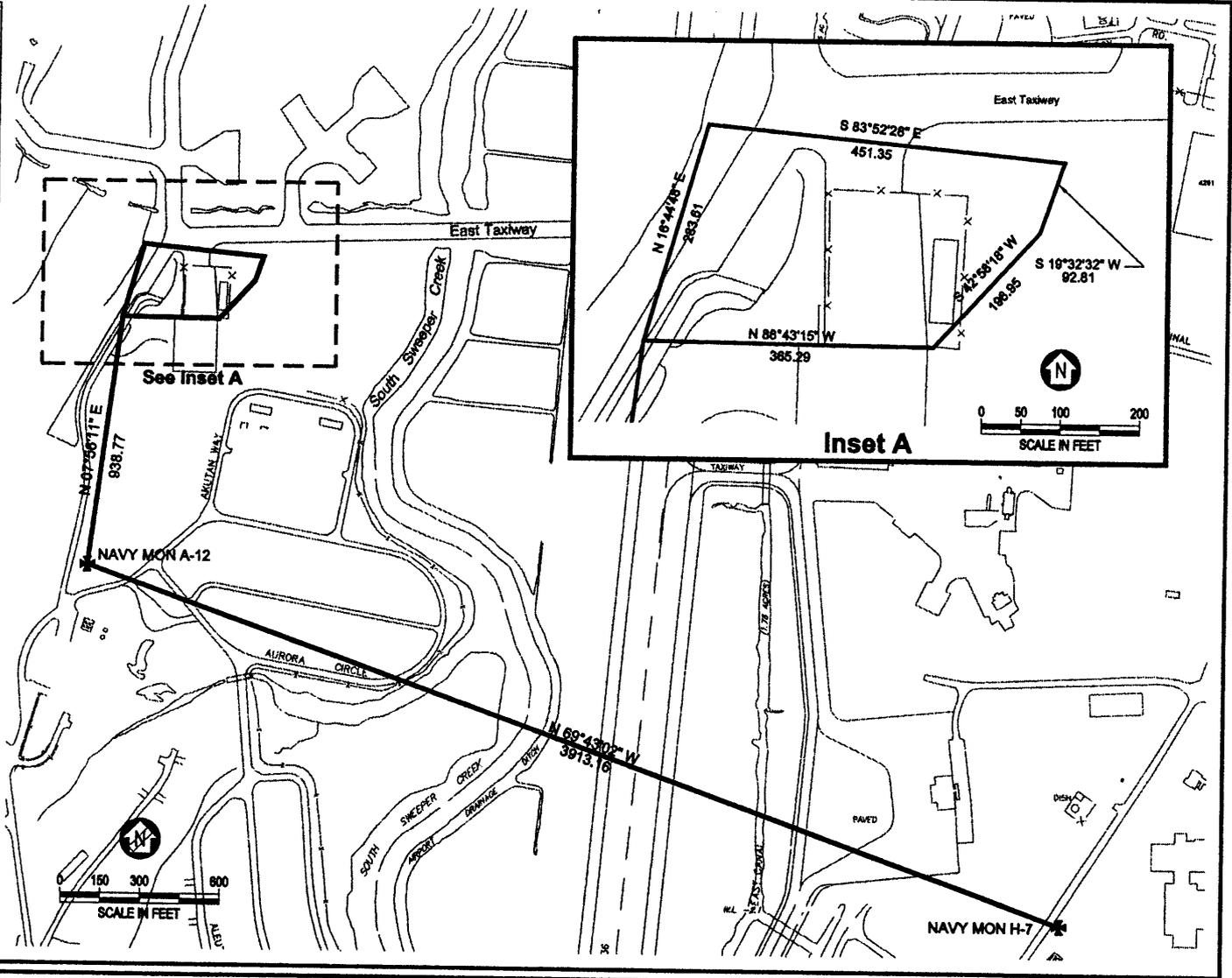
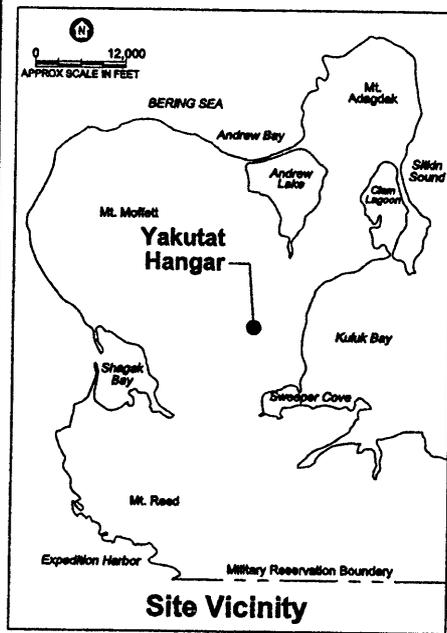
Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-11



Scale as Shown

**Tanker Shed
UST 42494**

Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
Page C-26



Scale as Shown

**Yakutat Hangar
UST T-2039-A**

Exhibit C
EQUITABLE SERVITUDE, EASEMENT,
AND RIGHT OF ENTRY LANGUAGE
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APPENDIX G
RESPONSE TO REGULATOR COMMENTS

Alaska Department of Environmental Conservation
Comments on the 2013 Draft Institutional Controls Inspection Report
Commenter: Guy Warren (ADEC) Comments Developed: June 24, 2014

Cmt. No.	Pg. & Line	Sec.	Comment/Recommendation	Navy Response 5-15-14
1.	From ICMP	3.3	Line 3, Text states: "ADEC approved recommendations in the 2012" Not exactly. I said that we would have to formalize any change in the ICMP. Please revise. Line 9, ADEC does not concur with all sites selected for IC inspections every 5 years. Sites where there are current monitoring requirements should be assessed every two years (opposite monitoring) to ensure the continued validity of the monitoring network. Sites identified below in comment #2.	Changes made, see response below.
2.	From ICMP	Table 5-2	Sites with biennial monitoring requirements should receive biennial IC Inspections. These include; Former Power Plan Building T-1451, Runway 5-23 Avgas Valve Pit, SA 79 Main Road Pipeline, SA 80, South of Runway 18/36, SWMU 60, SWMU 61, and Tanker Shed.	Appropriate text in Section 6 was changed so inspections for the 8 sites are biennial.
3.		Table 1-1:	I am curious why the 5-year IC and OUB-1 Sites are not occurring in (2015, 2019 and 2025) to better align with 5-year reviews. Shift of one year.	The IC Inspections need to be conducted the year before the 5-year review text is written (2015, 2020 and 2025) to be able to include the results in the text. Therefore, inspections scheduled for 2014 and 2024 should not be changed. The schedule for inspections at the OU B-1 sites was revised to be conducted in 2019 and not 2018 to be more closely aligned with the 5-year review.
4.	General		There were some of the sites recommended for 5-year IC inspections that ADEC did not concur with in the ICMP revision 6. The recommendations in the ICSIR should be revised to align with the final agreement in the ICMP.	See RTC #2.

**Technical Review of the
Draft 2013 Institutional Controls Site Inspection Report
Operable Units A and B-1
Former Adak Naval Installation, Adak, Alaska
Document Date: February 3, 2014
Commenter: EPA**

Comment No.	Document/ Page & Line	Comment	Response
GENERAL COMMENTS			
1	Draft 2013 IC Report	<p>Comment: Section 1.0 of the Draft 2013 Institutional Controls Site Inspection Report (the Draft 2013 IC Report) states “the Navy is required to conduct monitoring for as long as site conditions pose an unacceptable risk for unlimited use and unrestricted exposure;” however, the recommendations (Section 1.0 and Section 6.0) include reducing the inspection frequency. The inspection frequency at the following solid waste management units (SWMUs) should not be considered for reduction until repairs are made and long-term stability has been established:</p> <ul style="list-style-type: none"> • SWMU 25 and SWMU 18/19 as significant deterioration is ongoing • SWMU 20, SWMU 4, and SWMU 29 as new erosion was observed • SWMU 11 as the sinkhole has increased in size since the 2012 inspection; and • SWMU 13 as more erosion has occurred since the 2012 inspection. <p>Please revise the Draft 2013 IC Report to remove the recommendation to reduce the frequency of IC inspections for landfill sites and sites where excavation is prohibited.</p>	<p>This reduction to monitoring was previously accepted by EPA in the RTCs for the 2012 IC Inspection Report (please see response to 2012 EPA General Comment 1). ADEC also accepts reducing frequency of inspections. The Navy is recommending reducing inspections to every other year since IC repairs are currently conducted once every three to four years which has been accepted by EPA and ADEC as sufficient to meet ROD requirements. Because of this, many inspection observations are redundantly observed for up to three years before repairs are affected. Repairs are currently scheduled to be completed in 2015. This reduction would still meet the requirement to continue monitoring. In addition, the Navy will continue to have an annual presence on Adak through other LTM activities as illustrated in Table 1-1. If severe or unusual erosion is observed then the Navy will conduct emergency repairs at that time. It should be noted that the erosion noted during the 2013 IC inspections was predictably typical of that observed annually in the past and not severe or unusual.</p>

Comment No.	Document/ Page & Line	Comment	Response
			Page 1-1, line 9, added the following: “Repairs to ICs identified by periodic inspections will be conducted by the Navy approximately every three to four years and is schedule to next occur in 2015. If severe or unusual failures of ICs are observed then the Navy will conduct additional emergency repairs at that time.”
2	Draft 2013 IC Report	Comment: Review of the Draft 2013 IC Report indicates that areas identified as in need of repair at several sites (e.g., SWMU 4, SWMU 13, SWMU 25) during previous annual inspections have yet to be repaired. The text should explain why repairs at all applicable SWMUs have not been conducted. For example, 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 addressed since these issues were observed during the 2011 inspection. Section 1.2 states that “the Navy will initiate appropriate corrective actions based on deficiencies noted during the inspections.” Therefore, repairs to Swale 6 should have been conducted by 2013. Please revise the Draft 2013 IC Report to specify when repairs are anticipated to be made at all applicable SWMUs.	Please see RTC #1.
3	Draft 2013 IC Report	Comment: It appears that lack of good housekeeping practices is an ongoing issue at several sites such as SWMU 15, SWMU 17, SWMU 24, SWMU 55, and Former Power Plant Building T-1451. Recommendations for these sites include continued monitoring of housekeeping practices. However, at the NMCB Building Area (Section 2.5.2.3), where poor housekeeping practices have also been observed, recommendations were made to notify the property owners that on-site wastes be removed, spills be addressed, and housekeeping practices be improved. Recommendations such as these appear to be applicable for SWMU 15, SWMU 17, SWMU 24, SWMU 55, and Former Power Plant Building T-1451 as well. Please include text for all sites with observed releases that the Final IC Inspection Report will be provided to EPA and ADEC Compliance Programs for evaluation of compliance with appropriate statutes.	The Navy agrees that this is an ongoing issue. This report serves to notify EPA and ADEC of any potential regulatory compliance concerns associated with poor housekeeping observed during these inspections. It also serves as documentation for potential impacts to groundwater quality by parties other than the Navy. Since the Navy is not the property owner or operator and is not a regulatory entity, it has no authority or jurisdiction to enforce or ensure that owners and operators are compliant at these sites and relies on EPA and ADEC for this enforcement. The Navy provides all 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 repeatedly

Comment No.	Document/ Page & Line	Comment	Response
			<p>contacted the property owners to specifically discuss poor housekeeping practices in an effort to improve site conditions.</p> <p>The recommendation to contact the site owners at NMCB was made because no improvement of housekeeping practices was noted compared to 2012. Page 2-48, line 30, changed the following: “Because these poor housekeeping practices may be contributing to groundwater contamination and because housekeeping practices have not improved since 2012, it is recommended that the owners again be notified to remove the on-site wastes, address the areas of actual or potential spills and improve housekeeping practices.”</p> <p>For SWMUs 15, 24 and 55, site owners have been notified in the past and housekeeping has continued to improve. It is not necessary at this time to notify the property owners but the sites will continue to be monitored and property owners will be notified if poor housekeeping is observed.</p> <p>For SWMU 17, poor housekeeping has improved slightly. The sentence on page 2-10 lines 30-32 has been changed to “Housekeeping practices have improved at this site but should continue to be monitored and it is recommended the owners are notified to remove the on-site wastes, address the areas of actual or potential spills and improve housekeeping practices.”</p> <p>For Former Power Plant Building T-1451 page 2-35 lines 2-3 states: “It is recommended</p>

Comment No.	Document/ Page & Line	Comment	Response
			that the land users be notified poor housekeeping practices should be corrected (i.e. proper storage of 55-gallon drums).”
SPECIFIC COMMENTS			
1	Draft 2013 IC Report Section 2.2.2 Page 2-4 Lines 7 and 8	Comment: According to lines 7 and 8, “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.	As per EPA’s specific comment 1 on the 2012 IC Inspection report, the City and property owners are aware of the digging notifications and additional signage is unlikely to add value. Additionally, ADEC concurs that there is sufficient signs in the Downtown Area. Page 2-4, lines 7 and 8, changed “... near immediate vicinity of the site...”
2	Draft 2013 IC Report Section 2.2.3 Page 2-6 Lines 10 through 12	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 stormwater runoff water quality. Please discuss the potential impact to stormwater runoff water quality from stained soil at SWMU 15, particularly given that SWMU 15 is located adjacent to Sweeper Cove.	Since the Navy was responsible for achieving endpoint criteria in groundwater at this site (which was accomplished in 2012), it is in the Navy’s interest to document other potential non-Navy sources that could impact groundwater quality. This report also documents effectiveness of ICs at this site (i.e. LUC, GW use restrictions, excavation restriction, etc.). While there is a potential for many other compliance 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.
3	Draft 2013 IC Report Section 2.2.5 Page 2-10 Lines 7 through 9	Comment: The first paragraph on this page indicates that an area that was observed to be excavated in 2012 is still present. However, it is not stated whether this excavation was completed in compliance with applicable excavation notification/permit requirements. Please revise Section 2.2.5 to clarify this and demonstrate that ICs are functioning as intended. In the event that compliance with notification/permit requirements was not maintained, please discuss if additional measures are necessary to help improve compliance with the excavation notification/permit requirement at SWMU 17.	The Navy informed the Plant Operator of the violation following submission of the 2012 report. It was determined that the excavation occurred under as an emergency action to address a City water main break. Changes to the text are:

Comment No.	Document/ Page & Line	Comment	Response
			<p>Page 2-10 lines 9-12 “This excavation was performed in 2012 by the City as an emergency action to address a water main break. As noted in the 2012 IC Inspection report, an excavation permit was not submitted for the excavation and the Plant Operator was notified of the violation in 2012 as a corrective action. No new excavation was observed at this site in 2013.”</p> <p>Page 2-11 lines 1-2: “It is further recommended that the City be notified that the open excavation observed at the site be filled in.”</p>
4	Draft 2013 IC Report Section 2.2.6 Page 2-13 Lines 13 through 16	<p>Comment: Additional recommendations to address housekeeping practices are needed. The last paragraph of this section states that “due to the wastes and conditions observed at this site in the past, 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 housekeeping of the site continued to be monitored.” However, no additional measures other than continued monitoring are recommended to address this concern. Given that poor housekeeping practices have historically been observed at SWMU 55, it appears that additional measures to address potential impacts to environmental media are warranted. For example, at the NMCB Building Area (Section 2.5.2.3) recommendations were made to notify the property owners that on-site wastes be removed, spills be addressed, and housekeeping practices be improved. Recommendations such as these appear warranted for SWMU 55 given the concern of potential impacts to site soils and underlying groundwater. Please revise the recommendations for SWMU 55 accordingly, or explain why additional recommendations are unnecessary.</p>	<p>Page 2-14, line 15, changed the following: “However, landowners have been notified in the past by both the Navy and ADEC that they should improve housekeeping practices and the volume of wastes stored onsite have diminished significantly since to 2012. Therefore, further notification to landowners is not necessary and it is recommended that the housekeeping of the site continue to be monitored.”</p>
5	Draft 2013 IC Report Section 2.2.7 Page 2-15 Lines 14 and 15	<p>Comment: Lines 14 and 15 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>	Please see specific RTC #1.

Comment No.	Document/ Page & Line	Comment	Response
6	Draft 2013 IC Report Section 2.3.1 Page 2-19 Lines 14 through 16	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 the fencing at this site, if present. Please indicate whether there is fencing present at SWMU 13. If there is no fencing, then please revise the statement in lines 15 and 16 to clarify this point.	See page 2-20 line 15. The sentence was changed to: “The steep topography surrounding the site discourages access of unauthorized vehicles; therefore, fencing is not required for the site (Table 1-2). ”
7	Draft 2013 IC Report Section 2.3.2 Page 2-24 Lines 11 through 14	Comment: According to the text, a surface water sample was collected from location NL-14 in 2013. However, the text states that results for this sample are not yet available. Given that the sample was collected in 2013, it is unclear why the results are not yet available. Please revise Section 2.3.2 to include the results of the sampling, or indicate when the results will be available and if they will be reported and evaluated under separate cover.	At the time that the Draft IC Inspection report was submitted, the Draft Annual Monitoring Report which contained this information had not yet been submitted. The data is now available and has been added to the report. Page 2-24, line 13, Added the following: “Total aluminum and copper exceeded the endpoint criteria in this surface water sample but respective dissolved concentrations did not. Recommendations to continue to collect surface water sample at this location are presented in the 2013 Annual Long-Term Monitoring Report.”
8	Draft 2013 IC Report Section 2.3.2 Page 2-24 Lines 19 and 20	Comment: Section 2.3.2 states that a small ponded hole was observed at the southeast end of SWMU 25 near monitoring well B-1. However, the section does not discuss whether the ponded hole is impacting the integrity of the landfill cap. Please indicate whether any actions are necessary to address the ponded hole. If no actions are planned, please explain why the ponded hole is not thought to be impacting the landfill cap.	Page 2-25, line 19, changed the following: “A small ponded hole was observed at the southeast end of the site near monitoring well B-1. The hole is about 5 feet by 5 feet and is not located on the landfill cap and not impacting the integrity of the cap. ”
9	Draft 2013 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 22 locations where fencing is damaged, but Section 2.3.2 indicates there are 34 sections of fencing that are damaged and 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 in need of repair.	Page 2-26, line 2, changed the following: “The three asbestos signs located on the buried asbestos bunkers located west across the road from the landfill are faded and need to be replaced. These asbestos bunkers are not part of the landfill and are shown on Figure 2-5.” Each length of observed damaged fencing is shown on Figure 2-5 as an “X” but this is not intended to represent each individual fence section as this would be impractical and is

Comment No.	Document/ Page & Line	Comment	Response
			unnecessary to affect follow-on repairs. For example, there may be a length of fencing that is down that extends for 10 sections of fencing. The location of this downed length is identified on the figure.
10	Draft 2013 IC Report Section 3.1.1 Page 3-3 Lines 5 through 8	Comment: Table 1-2 indicates that signs (i.e., soil excavation notifications) are required at SWMU 20. However, Section 3.1.1 does not discuss whether signs are in place and clearly visible at SWMU 20. Please revise Section 3.1.1 to indicate whether signs are in place and clearly visible at SWMU 20. If not, please revise the IC Report to include a recommendation to install signs at SWMU 20.	Section 3.1.1 page 3-3 line 4 has been revised to say: “ The excavation restriction sign was clearly visible. ”
11	Draft 2013 IC Report Figure 3-4 Page 3-19	Comment: Figure 3-4 depicts 14 locations where fencing is damaged, but Section 3.2.4 states there are 22 sections of fencing that are damaged. Please revise Figure 3-4 to display all the fencing sections in need of repair.	Please see RTC #9.
12	Draft 2013 IC Report Figure 3-6 Page 36	Comment: Figure 3-6 depicts eight locations where fencing is damaged at SA 93 and one location at SWMU 1. However, Section 3.4 states that there are 23 sections of fencing that are damaged at SA 93, and 3 locations at SWMU 1. Please revise Figure 3-6 to display all the fencing sections in need of repair.	Please see RTC #9
13	Draft 2013 IC Report Section 6.0 Page 6-2 Lines 1 through 12	Comment: The first paragraph on this page does not specify to which 20 sites it is referring. It states, “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, inspections for these 20 sites has been reduced to every odd year.” Similarly, the second paragraph on this page indicates that individual IC inspections “at all other sites” have been reduced to once every five-year review cycle. It is also unclear for which sites the frequency of inspection has been reduced to once every five-year review cycle. It is noted that, as discussed in the General Comments above, the Draft 2013 IC Report should be revised to remove recommendation to reduce the frequency of IC inspections at landfill sites in need of repair, sites with new or ongoing deterioration/erosion, and sites where excavation is prohibited; and, that continuation of yearly inspections at sites with housekeeping issues be considered. Please revise this section to provide a list of the sites whose schedule has been reduced to every odd year and the sites whose schedule has been reduced to every five-year review cycle.	<p>The sites are listed in the paragraph above on page 6-1. The sentence has been changed to: “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, inspections for these 20 sites listed above has been reduced to every odd year.”</p> <p>The inspection schedule for each individual site is listed in the text starting on page 6-2, line 23 and reiterated in Table 6-1 for the convenience of the reader.</p> <p>Please also see General RTC #1.</p> <p>Also please see response to ADEC comment #2. Inspection frequency for sites Former Power Plan Building T-1451, Runway 5-23 Avgas Valve Pit, SA 79 Main Road Pipeline,</p>

Comment No.	Document/ Page & Line	Comment	Response
			SA 80, South of Runway 18/36, SWMU 60, SWMU 61, and Tanker Shed were changed to biennially.
14	Draft 2013 IC Report Section 6.0 Page 6-2 Lines 1 through 6	Comment: The Draft 2013 IC Report indicates that inspections will be reduced to every odd year or every four or six years (depending on the site). However, there are multiple repairs that need to be made at multiple sites (e.g., signs, fencing, torn liners, ponding, erosion, etc.). All repairs recommended in the Draft 2013 IC Report should be completed and adequately documented before a reduction in inspection frequency is made. It is noted that, as discussed in General Comment 1, the Draft 2013 IC Report should be revised to remove recommendation to reduce the frequency of IC inspections at landfill sites in need of repair, sites with new or ongoing deterioration/erosion, and sites where excavation is prohibited. Please provide a schedule for completion of repairs recommended in the Draft 2013 IC Report and conduct the necessary repairs before recommending a reduction in inspection frequency.	Please see General RTC #1.
15	Draft 2013 IC Report Section 6.0 Page 6-2 Lines 7 through 10	Comment: The Draft 2013 IC Report states that inspections at certain sites will be reduced to every four or six years. Based on this schedule, it is unclear how all sites will be inspected every five-year review period. It appears that inspections should be reduced to once every four or five years so that at least one inspection occurs at each site every five-year review period. Please revise the Draft 2013 IC Report accordingly.	Page 6-2 lines 22 -26: "In order for these inspections to occur opposite the biennial odd-year inspections, the 5-year inspections will occur once every five year review period (every four or six years) as presented in Table 1-1 with the next inspection occurring in 2014. The 5-year inspection of the 30 degree slope OUB-1 sites will be conducted on the same schedule (every four or six years) as the 5-year IC sites (Table 1-1)."