

1 **6.0 CONCLUSIONS**

2 Over the 50-year life of the facility, military activities on Adak Island have caused or resulted in
3 the release of hazardous substances and petroleum on some properties constituting the former
4 NAF Adak. Environmental contamination at various sites was first assessed in the mid-1980s,
5 and investigation and remediation have continued into the early 2000s. The hazardous substance
6 and petroleum sites were investigated under CERCLA and SAERA, respectively. An RI/FS
7 report addressing about 50 CERCLA sites in OU A (non-ordnance) sites has been published
8 (Navy 1997). More than 125 petroleum-release sites have been investigated under SAERA
9 (Navy 1999d, 1999e, 1999f, 1999g, 1998b, 1998c), and petroleum recovery is in progress at a
10 number of sites with free-product contamination. A ROD governing the remediation of both
11 CERCLA and petroleum-release sites for OU A was signed by the Navy in October 1999, by
12 EPA in March 2000, and by ADEC in April 2000 (Navy, EPA, and ADEC 1999). Sites with
13 potential ordnance contamination at the former NAF Adak are addressed under separate operable
14 units OU B-1 and OU B-2. The RI/FS Report addresses 155 ordnance sites in OU B (OU B-1
15 sites) (ECC 2001). The OU B-1 ROD was signed in December 2001. The remediation of the
16 OU B-1 sites documented in the OU B-1 ROD is addressed in the 2001 After Action Report for
17 fieldwork completed in 2001 (ECC 2002). and in the 2002 After Action Report (available in
18 early 2003) for fieldwork completed in 2002. Thirty-one ordnance sites (in OU B-2) will be
19 addressed in separate reports. The draft RI/FS report for OU B-2 was submitted to regulatory
20 agencies for review in January 2003. A ROD for the remaining sites (OU B-2) is pending.

21 **6.1 Classification of Properties by Environmental Condition**

22 This EBS for Adak Island warrants that Navy-leased property be classified into seven categories
23 based on the contaminant released (hazardous substances or petroleum) and the extent of
24 investigation and cleanup completed. Table A-1 (Appendix A) presents the ECP classification of
25 more than 400 environmental sites examined under CERCLA, SAERA, and the BRAC
26 initiatives. All known chemically contaminated sites have been investigated and, with the
27 exception of implementing institutional controls, remediation has been completed at all sites.
28 Nearly 99 percent of the sites contaminated with ordnance have been investigated, and
29 remediation has been completed for approximately 90 percent of these sites.

30 **6.1.1 Properties Currently Suitable for Transfer**

31 Almost 95 percent of Navy property on Adak is suitable for transfer. All of this property is
32 located in Parcels 1A, 1B, 2, and 3 (72,285 acres). Areas suitable for transfer include properties
33 where no release of petroleum or hazardous substances occurred (ECP 1), petroleum-release sites
34 (ECP 2), sites where a hazardous substance release occurred but no removal or remedial action

1 was required (ECP 3), and sites where all hazardous substance remedial actions have been
2 completed (ECP 4). The environmental suitability of a specific property for transfer and the
3 specific qualifications and institutional controls associated with its future use will be documented
4 in a separate Finding of Suitability to Transfer.

5 **6.1.2 Properties Not Currently Suitable for Transfer**

6 Properties with ECPs of 5, 6, or 7 are not currently suitable for transfer, according to the DoD
7 classifications. These properties are all within Parcel 4 near Andrew Lake at the north end of
8 Adak. These are areas where response actions have not been completed (ECP 6) as well as areas
9 that have not yet been evaluated (ECP 7). In addition, there are several ECP 1 and ECP 4 sites
10 that the Navy currently does not plan to transfer because they lie within a restricted exclusion
11 zone (Parcel 4) containing a number of ranges and disposal sites (AOCs) that have not yet been
12 remediated. Property within Parcel 4 that is not within a CERCLA site will also not be
13 considered for potential transfer at the present time for the same reason. No site-specific
14 institutional controls are required at these non-transferable sites; however, all locations on Adak
15 Island are subject to the overall institutional control requiring ordnance awareness training for
16 island residents and visitors. The sites listed below are not transferable as of January 2003.
17 These sites are depicted in Figure 6-1.

- 18 • ALDA-01: Andrew Lake Disposal Area—Landfill Area
- 19 • ALDA-02: Andrew Lake Disposal Area—Beach Crater Area (ECP 1—included within
20 Parcel 4 boundary)
- 21 • ALSW-01: Andrew Lake Seawall
- 22 • BC-03: Blind Cove/Campers Cove Firing Point #1 (ECP 1—included within Parcel 4
23 boundary)
- 24 • C1-01: Combat Range #1—Mortar Target Area
- 25 • C1-03: Combat Range #1—Remainder (Parcel 4 area only)
- 26 • C8-05B: Combat Range #8—Remainder (Parcel 4 area only)
- 27 • DM-03: Lake De Marie Impact Area—Firing Point #1 (ECP 1—included within Parcel 4
28 boundary)
- 29 • DM-04: Lake De Marie Impact Area—Range Safety Fan #1 (Parcel 4 area only)
- 30 • GUN-01: 20mm Gun Emplacements (Parcel 4 area only)
- 31 • GUN-02: 37mm Gun Emplacements (Parcel 4 area only)
- 32 • GUN-03: 40mm Gun Emplacements (Parcel 4 area only)
- 33 • HG-01: Andrew Lake Hand Grenade Range
- 34 • LJ-01: Lake Jean Ammunition Complex—Flare Disposal Site

- 1 • LJ-02: Lake Jean Ammunition Complex—Western Dump Area (ECP 4 – included within
- 2 Parcel 4 boundary)
- 3 • LJ-02A: Lake Jean Ammunition Complex—Lake Jean Trenches
- 4 • LJ-05: Lake Jean Ammunition Complex—Remainder (Parcel 4 area only)
- 5 • MAG-01: WWII Magazine—Andrew Lake Seawall
- 6 • MF-01: Andrew Lake East Minefield (ECP 1—included within Parcel 4 boundary)
- 7 • MF-02: Andrew Lake Seawall Minefield (ECP 1—included within Parcel 4 boundary)
- 8 • MF-03: Andrew Lake West Minefield (ECP 1—included within Parcel 4 boundary)
- 9 • MI-01: Andrew Lake Mortar Impact Area—Rocket Disposal Area
- 10 • MI-02: Andrew Lake Mortar Impact Area—40mm Projectile Impact Area
- 11 • MI-03: Andrew Lake Mortar Impact Area—Mortar Impact Area
- 12 • MM-04: Mt. Moffett Impact Area—Southeastern Sector (Parcel 4 area only)
- 13 • MM-09: Mt. Moffett Impact Area—Frag Area #2 (ECP 4—included within Parcel 4
- 14 boundary)
- 15 • MM-10A: Mt. Moffett Impact Area—Central Impact Area, 37mm Projectile Zone 1
- 16 • MM-10B: Mt. Moffett Impact Area—Central Impact Area, Mortar Zone
- 17 • MM-10D: Mt. Moffett Impact Area—Central Impact Area, Mortar Zone (ECP 4—included
- 18 within Parcel 4 boundary)
- 19 • MM-10E: Mt. Moffett Impact Area—Central Impact Area, Remainder (Parcel 4 area only)
- 20 • MM-11: Mt. Moffett Impact Area—Northwestern Sector (Parcel 4 area only)
- 21 • MM-12: Mt. Moffett Impact Area, Range Safety Fan #1 (Parcel 4 area only)
- 22 • MM-13: Mt. Moffett Impact Area, Range Safety Fan #2 (Parcel 4 area only)
- 23 • MM-14: Mt. Moffett Impact Area—Firing Point #3 (Parcel 4 area only)
- 24 • MM-15: Mt. Moffett Impact Area, Range Safety Fan #3 (Parcel 4 area only)
- 25 • MM-16: Mt. Moffett Impact Area, Range Safety Fan #4 (Parcel 4 area only)
- 26 • MM-18: Mt. Moffett Impact Area, Range Safety Fan #5 (Parcel 4 area only)
- 27 • MM-19: Mt. Moffett Impact Area, Range Safety Fan #6 (Parcel 4 area only)
- 28 • MM-21: Mt. Moffett Impact Area, Range Safety Fan #7 (Parcel 4 area only)
- 29 • OB/OD-01: Andrew Lake Open Burn/Open Detonation Range
- 30 • RR-01: Andrew Lake Range Remainder—Hand Grenade/40mm Area
- 31 • RR-02: Andrew Lake Range Remainder—Mortar Impact Area
- 32 • RR-03: Andrew Lake Range Remainder—Flare Site (ECP 4—included within Parcel 4
- 33 boundary)
- 34 • RR-04: Andrew Lake Range Remainder—Range Remainder (ECP 1—included within
- 35 Parcel 4 boundary)

- 1 • SA93-01: Source Area 93—WWII Mortar Impact Area—Multiple Ordnance
- 2 Impact Area
- 3 • SA93-02: Source Area 93—WWII Mortar Impact Area—Eastern Impact Area
- 4 • SA93-03: Source Area 93—WWII Mortar Impact Area—Firing Point
- 5 • SA93-04: Source Area 93—WWII Mortar Impact Area—Eastern Disposal Area
- 6 • SA-01: Small Arms Range Located in Parcel 4 (ECP 7—included within Parcel 4 boundary)
- 7 • SA-02 through SA-05: Small Arms Ranges Located in Parcel 4 (ECP 1—included within
- 8 Parcel 4 boundary)

9 Sites in Parcel 4 will be completed at a future date. Final disposition of most of these sites will
10 be included in the OU B-2 ROD that will be available in 2003.





11 **6.2 Qualified Properties**

12 In addition to the ECP classifications assigned to individual sites, various qualifications were
13 applied to Navy property on Adak at the parcel level. Qualifications overlie all ECP
14 classifications and may limit or preclude the transfer or lease of the property for unrestricted use.
15 Parcel 4 has been designated as an SWMU Exclusion Zone that will be retained by the Navy
16 indefinitely. Some portions of this parcel lying outside of identified sites (AOCs) serve as a
17 buffer for the ordnance sites and are included in the exclusion zone surrounding Andrew Lake.
18 USFWS has informed the Navy that it will not accept transfer of this real estate until all remedial
19 actions in Parcel 4 are complete. Because it is not technically practicable to remediate all
20 ordnance-contaminated sites in Parcel 4 with currently available technology, the Navy plans to
21 retain ownership of Parcel 4 indefinitely.

Figure 6-1

Non-Transferable CERCLA Sites in OU B

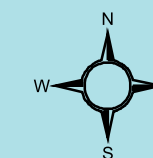
Adak Island, Alaska

-  Not Currently Transferable
-  Transferable
-  Military Reservation Boundary
-  AOC Boundary

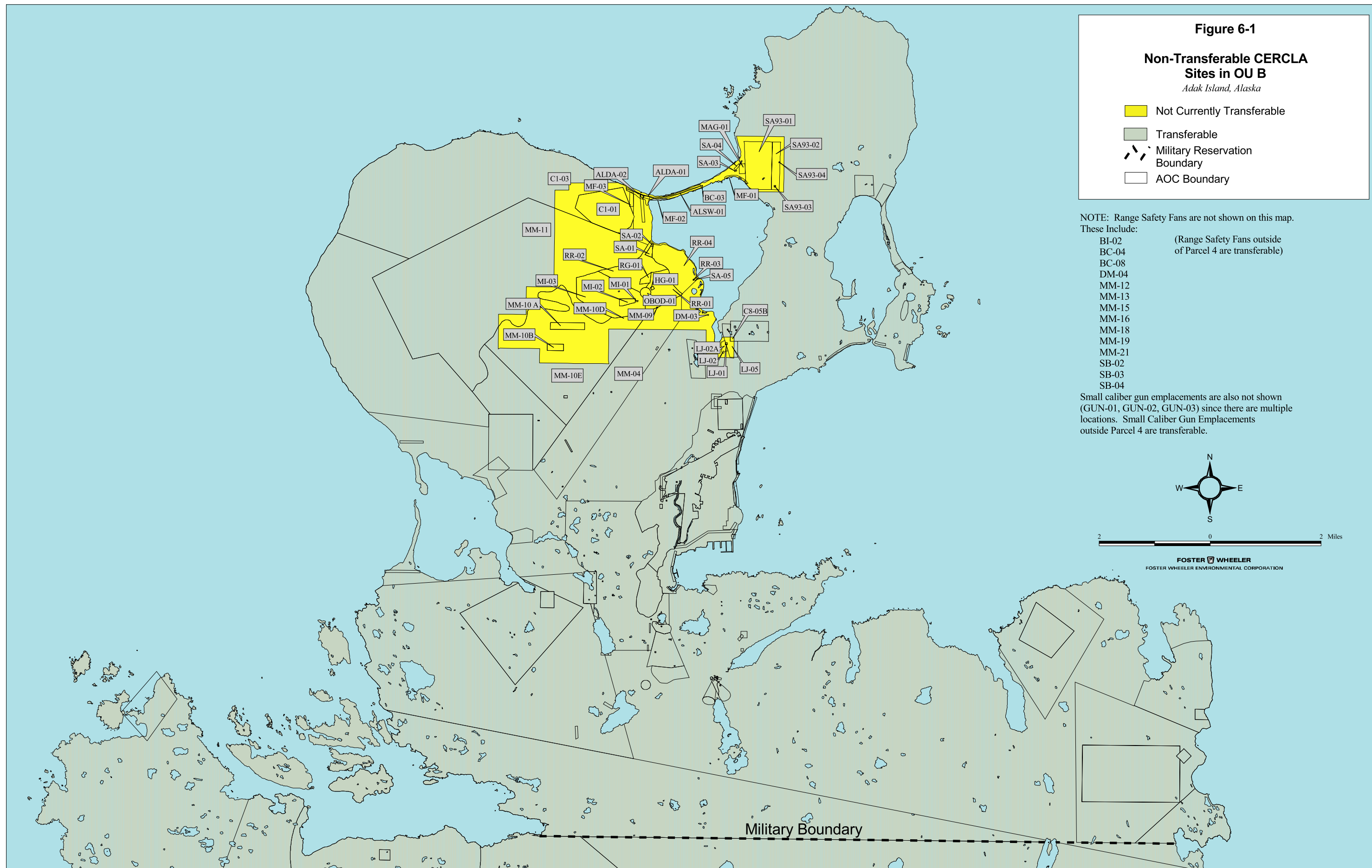
NOTE: Range Safety Fans are not shown on this map. These Include:

- BI-02 (Range Safety Fans outside of Parcel 4 are transferable)
- BC-04
- BC-08
- DM-04
- MM-04
- MM-12
- MM-13
- MM-15
- MM-16
- MM-18
- MM-19
- MM-21
- SB-02
- SB-03
- SB-04

Small caliber gun emplacements are also not shown (GUN-01, GUN-02, GUN-03) since there are multiple locations. Small Caliber Gun Emplacements outside Parcel 4 are transferable.



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