

**Thursday, 27 April 2023
1:00 PM Adak, via Teleconference**

1. WELCOME AND INTRODUCTIONS

Mr. Vernik called the meeting to order at 1 PM local time and, following roll call, welcomed attendees to the meeting.

The following persons were in attendance:

Name	Affiliation	Location
Aaron Vernik	RAB Member (Navy Co-Chair)*	Adak, AK
Layton Lockett	RAB Member	Adak, AK
Ben Leon-Guerrero	RAB Member	Adak, AK
Tom Spitler	RAB Member	Adak, AK
Lisa Holsinger	RAB Member	Adak, AK
Matt Holsinger	RAB Member	Adak, AK
Mik (Kim) Turnbull	RAB Member	Adak, AK
Phillip Bennett	RAB Member	Adak, AK
Jamie McKellar	RAB Member (ADEC)*	Fairbanks, AK
Craig Scola	RAB Member (EPA)*	Anchorage, Alaska
Jana Lekanoff	Adak resident	Adak, AK
Chase Berenson	Aleut Enterprise	Adak, AK
Lisa Spitler	USFWS	Adak, AK
Jeff Williams	USFWS	Homer, AK
Scott Bullock	Aleutian Outfitters	Florida
Arlen Fisk	Bristol	Anchorage, AK
Judith Schonbeck	Bristol	Anchorage, AK
Kelly Walker	ADEC	Fairbanks, AK
Chris Generous	NAVFAC NW	Silverdale, WA
Steven Skeehan	NAVFAC NW	Silverdale, WA
Cathy Weber	NAVFAC NW	Silverdale, WA
Bob Boyd	NAVFAC NW	Silverdale, WA
Jeremy Craner	USACE Alaska District	JBER, AK
Richard Ragle	USACE Alaska District	JBER, AK
Beth Astley	USACE Alaska District	JBER, AK
JoAnn Grady	Grady and Associates	Ashland, OR
Doug Schicho	APTIM	New Jersey
Jody Lipps	Battelle	Columbus, OH
Shawn Majors	Battelle	Eugene, OR
Oscar Broadway	Battelle	Phoenix, AZ

*non-voting RAB member

Mr. Vernik began the meeting confirming a quorum of the RAB membership was present (minimum 1/3 of RAB [i.e., 4 members]). A list of current RAB members is provided in Attachment A.

Mr. Vernik pointed out that there was currently no community co-chair and this would be voted on later in the meeting. Because there was no community co-chair, Mr. Vernik ran the RAB meeting.

2. APPROVAL OF PRIOR MEETING MINUTES / REVIEW OF PRIOR ACTION ITEMS

Review and Approval of Prior Meeting Minutes

Draft minutes from the 27 September 2022 RAB meeting were circulated to RAB members and interested parties on 21 November 2022 and again on 23 March 2023.

No comments were received. Mr. Vernik asked a motion be made to approve the minutes. Mr. Lockett motioned to approve the minutes. The motion was seconded by Mr. Spitler. The RAB voted to approve the minutes as Final.

Review of Actions Items

Five action items were established during the last RAB meeting.

ACTION ITEM 1: The Navy will work to fix the Dig Permit transmittal on the Navy website.

STATUS: The new dig permit has been added to the Adak BRAC website: <https://www.bracpmo.navy.mil/BRAC-Bases/Other-West/Former-Naval-Air-Facility-Adak/Dig-Permit/>. For direct e-mailing of dig permit information, use: NAVFAC_D_NW_Adak_Dig_Permit@us.navy.mil **CLOSED.**

ACTION ITEM 2: The Navy will inquire with Alaska Air if the video can be made available on flights to Adak, possibly through its Gogo Inflight system.

STATUS: The Navy received word from Alaska Airlines that it is not possible to add the Safety Awareness video to the Gogo Inflight system. **CLOSED.**

ACTION ITEM 3: The Navy will inquire if geographic information system (GIS) data are consolidated and how that can be made available. Additionally, Mr. Lockett asked if data related to utilities in town could be located and shared.

STATUS: Inquiries were made with Naval Security Manager and the Public Affairs Officer (PAO) to release this information. Currently, the Navy does not have approval to release these data. Additionally, the Navy does not maintain data on infrastructure for closed former installations so there are no data on utilities currently within the Navy's electronic data file system. **CLOSED.**

ACTION ITEM 4: The Navy will look into whether AECOM ground penetrating radar (GPR) data will be made available to the public.

STATUS: Inquiries were made to the Naval Security Manager and the Public Affairs Officer (PAO) to release this information. Currently, the Navy does not have approval to release these data. **CLOSED.**

Mr. Vernik indicated all Action Items are complete.

Ms. McKellar commented on Action Item #1, indicating the previous e-mail address was shorter and didn't have underscores. The new e-mail address may be difficult to see underscores due to it being underlined. The Navy may want to remove the underline when the new e-mail is published.

Mr. Vernik said that the e-mail address on the website is not underlined and easier to read and the Navy will remove the hyperlink from the meeting materials/minutes as well.

Ms. McKellar's second comment was regarding the contact phone number and whether it is currently working.

Mr. Vernik indicated that there is an interim fix in place. If the number is called, a recorded message provides the caller with the correct information needed to contact Steven Skeehan. There is a request into Base Communications to have the number go directly to Steven Skeehan but that fix may not happen for another 20 days or so.

Regarding Action Item #3, Mr. Lockett indicated the City of Adak would like the Navy to check if a government to government sharing agreement can be put in place for sharing of data via a Memorandum of Understanding rather than making the data public. Data on anything discovered on island (e.g., pipelines) would be useful. Mr. Leon-Guerrero also requested access on behalf of the Aleut Corporation (TAC). Mr. Vernik suggested opening a new action item for this request.

Mr. Leon-Guerrero also asked about permits for areas that have institutional controls (ICs). Does this include the entire downtown area and areas outside of downtown? Mr. Vernik said the entire downtown area requires a permit. A lot of the areas outside of downtown have signs indicating where ICs are in place. If digging outside of downtown,

a person should submit a permit request and the Navy can let them know if it is required. Mr. Leon-Guerrero indicated that this would put the Navy in charge of all digging on island. Mr. Vernik indicated that it isn't for control but for safety reasons.

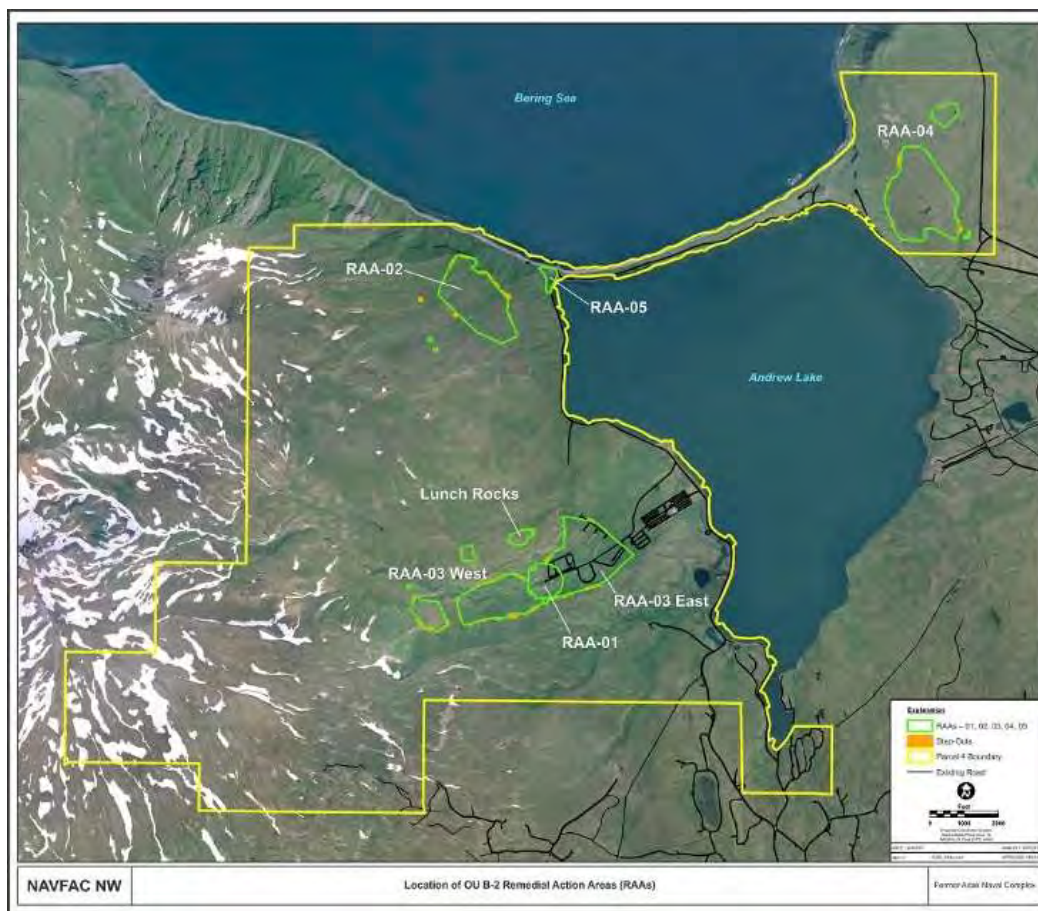
3. USACE

Mr. Richard Ragle and Mr. Jeremy Craner of the United States Army Corps of Engineers (USACE) Alaska District presented an update on the activities recently conducted at sites nearby as well as the planned activities that will take place in 2023 and/or 2024. Mr. Craner indicated that the Draft Remedial Investigation (RI) report and Draft RI Work Plan for upcoming work can be made available to RAB members if they are interested in reviewing them. See Attachment B for details on the activities.

Mr. Holsinger asked if it is possible for USACE to share the contact information for the contractors working near Adak so that they could get in touch with them in relation to barges. Mr. Ragle said he could provide that information and he e-mailed the members the contact information for the USACE contractor (Brice) during the RAB meeting.

4. MUNITIONS UPDATE

Mr. Vernik began with a summary of the non-time critical removal action (NTCRA) in Operable Unit B-2 (OU B-2), also known as Parcel 4, which has been ongoing since 2013, and has five Remedial Action Areas (RAAs) that were established and have been completed as shown in the following figure. Additional disposal areas were identified east and west of RAA-05 and fieldwork was completed in these areas in 2022.



Recoveries through the 2022 field season are presented in the table below.

	2013	2014	2015	2016	2017	2018	2019	2021 ¹	2022	Total
MPPEH/ MEC² (items)	2,656	514	2,214	984	2,435	8,040	1,826	1,313	1,918	21,900
Munitions Debris (lbs)	22,084	22,250	10,495	7,733	23,387	18,356	30,422	22,479	60,657	217,863
Metal Debris (lbs)	80,316	22,850	24,633	62,998	45,401	25,040	59,765	30,721	25,601	377,325

Note 1: 2020 field season postponed due to COVID risk.

Note 2: MPPEH is material potentially presenting an explosive hazard, MEC is munitions and explosives of concern and could include discarded military munitions (DMM) and unexploded ordnance (UXO).

MPPEH – material potentially presenting an explosive hazard

MEC – munitions and explosives of concern

The 2022 work areas are shown on the figure below.



All NTCRA excavation at Andrew Lake Seawall (ALSW) and Andrew Lake Disposal Area (ALDA)-02 is now complete. The surface clearance at the far west of ALDA-02 is also complete.

Ms. McKellar commented that she understands the Navy believes that the NTCRA is complete, but she wanted to clarify that as of today (27 April 2023), the regulators from the Environmental Protection Agency (EPA) and the Alaska Department of Environmental Conservation (ADEC) haven't seen any of the relevant reporting from 2022. ADEC and EPA haven't had a chance to evaluate whether or not they concur with the Navy's determination that the work is done.

Mr. Vernik acknowledged the comment and asked Mr. Schicho if the report would be ready for ADEC/EPA review soon. Mr. Schicho said that a few comments from the last back check needed addressed and then the report will be ready to go to the regulatory agencies for review.

Seawall Sweeps

Below is a summary of results of the seawall sweeps conducted since the start of the NTCRA in 2013.

MPPEH / MEC Recovered from Monthly Seawall Sweeps - 2013 through 2022

Year	MPPEH / MEC Finds
2013	33
2014	10
2015	29
2016	13
2017	4
2018	7
2019	17
2021 ¹	6
2022	3
Total	122

Note 1: 2020 field season postponed due to COVID risk.

Mr. Vernik pointed out that 2023 will be the first year that no contractor will be on island conducting seawall sweeps since the beginning of the NTRCA in 2013. Only Explosive Ordnance Disposal Mobile Unit 11(EOD MU 11) sweeps will be conducted in 2023.

EOD Mobile Unit 11

Mr. Vernik summarized EOD MU 11 from Naval Air Station (NAS) Whidbey Island will be conducting its first site visit of 2023 in May and the second will be in September. Their scope includes opening the spillway (spring visit), checking the Finger Bay shoreline for cartridge actuated devices (CADs) and performing seawall sweeps. The 2023 spillway opening is the last one planned.

5. Operable Unit B-2 Record of Decision

Mr. Vernik reported that ADEC, EPA, and the Navy are working to finalize the Record of Decision (ROD) for OU B-2. ADEC sent a Federal Facilities Agreement (FFA) extension request on 6 December 2022, extending the ROD completion deadline to 30 June 2023, in order for the ADEC/DoD/EPA subcommittee to reach agreement. Based on the current schedule, it is anticipated that an additional extension will be requested.

The ROD is the next step in the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) process, following the Proposed Plan and Action Memorandum from early 2013 (which laid out the field work) and then the field work itself as conducted under the NTRCA. The current ROD revisions are removing the required remediation as the work was completed in 2022 while discussing the long-term management requirements for the areas within Parcel 4.

Overall, in terms of CERCLA, following completion of the NTCRA and the ROD, the Navy will prepare a Remedial Action Completion Report (RACR). Note: The RACRs for OU A and OU B-1 were completed in 2012 and 2014, respectively.

Mr. Spitler asked if the ROD is being revised based on the work being done?

Mr. Vernik explained that the ROD, in the most recent format, was a draft final. There was a dispute between ADEC and the Navy on the wording that was going to go into the ROD. The work that was completed at the end of the NTCRA was included in the ROD because at that time if the ROD had gone final the NTCRA would not have been complete. Once the NTCRA fieldwork was completed there was no reason to leave that NTCRA language in the ROD.

Mr. Lockett asked for confirmation on whether the cleanup was conducted before the final plan.

Mr. Vernik explained that the ROD lays out items that go beyond when the ROD is enacted. It includes things like ICs that stay with the property beyond when cleanup is complete. It shows what needs to be done to obtain closure and then what needs to be done after that. Since the NTCRA was completed before the ROD was finalized, any information on activities for the NTCRA were removed.

Mr. Leon-Guerrero asked if the ICs were going to be for all of Parcel 4 or does the ROD call out where the ICs will be?

Mr. Vernik indicated that there are island-wide ICs based on the presence of unexploded ordnance (UXO) which include the education program and surveys. Those are not going away and will continue to apply to the entire island. Mr. Vernik asked Mr. Generous to clarify whether ICs would be in place for all of Parcel 4. Mr. Generous confirmed that ICs will apply to all of Parcel 4 and the Navy will hammer out the details of the ICs which will be included in the ROD.

Mr. Lockett followed up asking if the land goes back to the refuge, is the United States Fish and Wildlife Service (USFWS) aware of the potential digging restrictions and is the Navy working with them jointly to make sure they know the ICs.

Mr. Vernik confirmed that discussions with USFWS have begun, and more discussions are planned. Mr. Generous added that he spoke with USFWS today and they will be looking at the ROD.

Ms. McKellar circled back to Mr. Lockett's question about USFWS being aware of the restrictions, and stated it is a sticking point in the ROD. Prior to the 2022 field season,

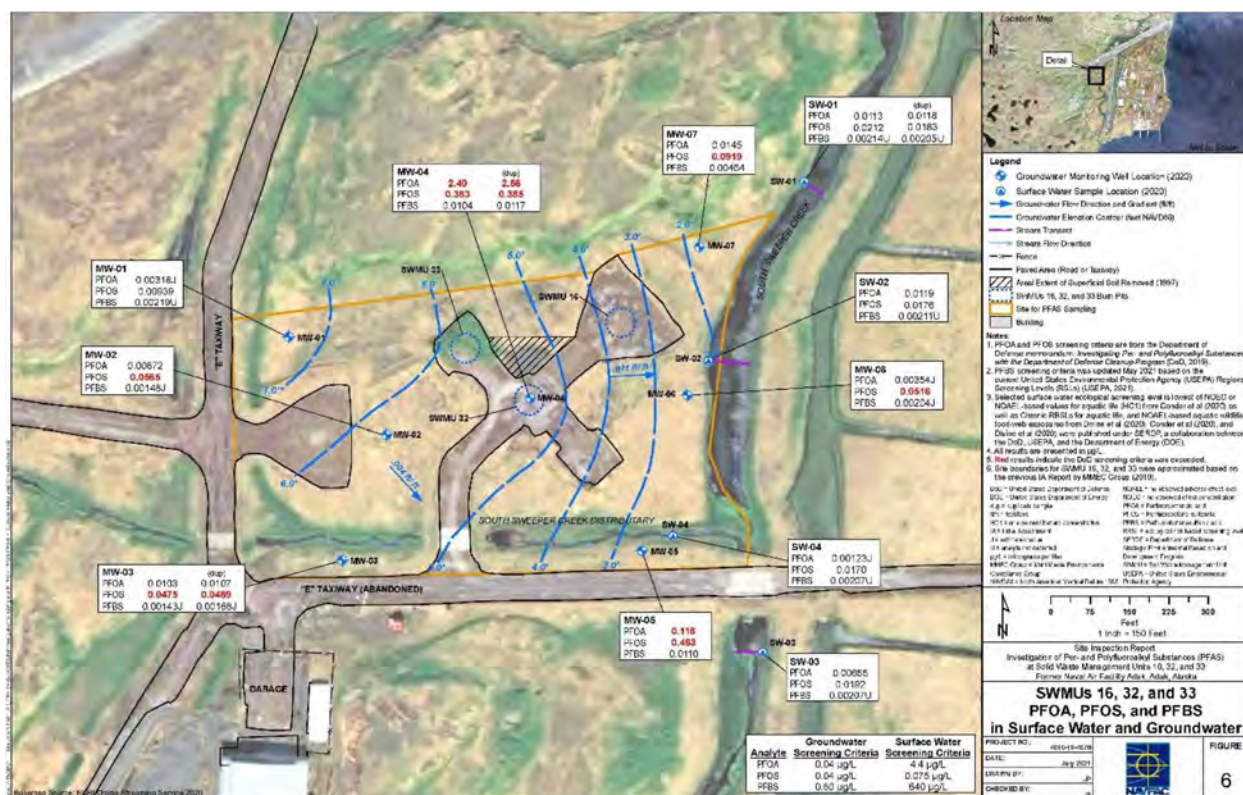
there was an issue with Alaska's requirement that there be a notice of activity and use limitation in the ROD, which is basically a covenant on federal land that runs with the property. The state requires naming the notice that runs with the property and identifies the limitations.

6. PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)

Ms. Catherine Weber of NAVFAC NW provided a summary of the status of the PFAS work on Adak Island.

PFAS Site Inspection

The Navy is proceeding with a RI for PFAS at Solid Waste Management Units (SWMUs) 16, 32, and 33 (the former Fire Fighting Training Areas) to further characterize nature and extent of PFAS chemicals in groundwater and soil. Work plans will be developed for approval by EPA and ADEC and fieldwork is planned for summer 2024.



7. PETROLEUM UPDATE

A. East Canal and SWMU 60

The Navy is expecting reports on fieldwork conducted to investigate additional potential petroleum sources, as well as implement a remedy enhancement at SWMU 60 to address and remediate continued petroleum seepage. Pipelines were identified for decommissioning and anomaly features that may present potential petroleum sources were investigated. The figure shows the general areas where pipelines were decommissioned as well as the crushed drum removal area. Drums were generally found to be flattened with no contents and no significant petroleum sources were identified.

The following work was completed:

- Full-scale oleophilic bio-barrier (OBB) pilot test at SWMU 60 (Tank Farm A) to prevent free product from seeping into South Sweeper Creek (presented below).
- Pipeline decommissioning.
- Crushed drum removal.
- Additional soil characterization in the pipeline decommissioning and drum removal areas.

Based on the work conducted and information gathered in the summers of 2021 and 2022, a Remediation Work Plan will be developed to further address remaining petroleum impacts in the East Canal and South of Runway areas.

Mr. Lockett asked if the staged materials are the super sacks that are south of the airport terminal at present. Ms. Weber confirmed those are the materials she was referring to. Mr. Vernik explained that there was no room on the fall 2021 barge and the Navy is looking for a barge and a funding source to remove the materials. The Navy is discussing with Battelle whether it can perform this removal. There is no planned Navy barge this year so discussions are also being held with USACE about any barges it may have planned. The super sacks are being monitored and are in good condition.

Ms. McKellar reminded the group that the regulatory limit for soil storage is 180 days. Mr. Vernik said that there are crushed drums/metal debris in the super sacks so the soil regulations don't apply. Ms. Weber confirmed that the soil removed during the fieldwork has been transported offsite.

Mr. Leon-Guerrero asked where the super sacks are being stored. Mr. Lockett explained that they are on airport property by East Canal south of the terminal.



B. SWMU 60: Remedial Design

Ms. Weber explained that the remedy in place at SWMU 60 is monitored natural attenuation (MNA) of petroleum in the groundwater at the site, and ICs. In addition, oil-sorbent booms are being used to control the sheen that was visible in surface water. The groundwater is monitored for free product six times a year as part of the Navy Free Product Recovery Program.

There will be a minor repair to the OBB to anchor an underlying geotextile layer during fieldwork planned for June. Observations from performance monitoring continue to show that downgradient boom from the OBB has no evidence of sheen since the OBB was installed.



Photo of Oleophilic Bio-Barrier during construction on 11 July 2022

C. Free Product Recovery Program

Mr. Boyd explained that Engineering, Science, and Technology, Inc. (EA) staff are on island once a month to maintain booms on East Canal and South Sweeper Creek and to monitor wells six times a year to recover free product.

Recovery volumes from previous 12-month periods and the current period to date:

Past 12-Month Recovery Periods	Total Product Recovered (gallons)
October 2014 to September 2015	66.5
October 2015 to September 2016	37.7
October 2016 to September 2017	11
October 2017 to September 2018	8.2
October 2018 to September 2019	12.7

Past 12-Month Recovery Periods	Total Product Recovered (gallons)
October 2019 and September 2020	8.85
October 2020 to September 2021	6.38
October 2021 to September 2022	7.87
October 2022 to December 2022	3.21

Recovery (this reporting period) has been from nine wells at seven different sites. Product has not been recovered from the one other site during this period.

A total of five booms are maintained during the monthly boom event. East Canal has three and Sweeper Creek has two. One former boom location is monitored for a sheen in East Canal. Boom location 10 at the 'lagoon' location in Sweeper Creek has been modified following the completion of the OBB installation.

10. LONG-TERM MONITORING (LTM) UPDATE AND INSTITUTIONAL CONTROLS (ICs)

A. Groundwater/Surface Water/Sediment Sampling

Mr. Boyd summarized the Navy annual sampling for 2022, which was contracted to EA. The sampling was conducted from 24 August to 17 September 2022. Activities included:

- Monitored and inspected 119 wells at 15 sites. Plans are to sample 71 wells at 13 sites.
- Collected five sediment samples at three sites.
- Collected 10 surface water sample at three sites.

Analyses include benzene, toluene, ethylbenzene and total xylenes (BTEX), gasoline range organics (GRO), diesel range organics (DRO), polycyclic aromatic hydrocarbons (PAHs), total lead, and dissolved metals.

Results of this sampling event will be used to refine future sampling events.

Mr. Boyd also explained that sampling events will now be conducted biennially. There will be no sampling or IC inspections in 2023. The IC inspections and LTM have been consolidated and will be conducted during even years (2024, 2026, etc.) moving forward.

Mr. Lockett asked if marine monitoring is conducted every 5 years. Mr. Boyd confirmed that Mr. Lockett was correct.

B. Dig Permits

Mr. Skeehan summarized the Dig Permit Program. The following dig permits are anticipated or have been received for upcoming fieldwork:

- January 2023 – Premier Electric – Power and Communications Conduits for Fuels
- March 2023 – Windy City Cellular – New Cell Tower at Public Works Building
- March 2023 –USFWS - National Wetlands Inventory fieldwork
- April 2023 – TDX Power Services - New Power Plant behind the City Building

Requirements for dig permits in the downtown area have changed based on recommendations included in the Five-Year Review. All excavations, regardless of depth, in the downtown area will now require an excavation notification (dig permit). Signs have been updated. The phone number remains unchanged, and the notification form has been updated and can be found on the BRAC Adak website mentioned above.

Mr. Vernik spotted one sign that has not changed based on Five-Year Review recommendations and will make sure it is replaced. All other signs have been replaced with a description of the new dig permit requirements.

B. Institutional Control (IC) Materials

Mr. Vernik explained that the Navy continues to make quarterly inquiries to provide IC materials to the community. Additionally, the Navy would like to encourage community members to reach out at any time for materials if a need arises. Inquiries were sent to the community in December 2022 and March 2023 since the last RAB meeting. Based on the responses received, the IC materials listed in the table below have been requested and have been distributed. Groups represented are:

- Aleutian Outfitters
- Adak Lodge and Outfitters
- Adak Island Inn
- Alaska Airlines/Airport
- 100 Knot Stop
- NASA
- BERS-Weston Services JVC, LLC
- Veterans Affairs Admin
- APTIM
- Adak Schools
- TSA

Items Requested:

Item	Total Disbursed
Hiking Trail Maps	750
Laminated Hiking Posters	8
Boomer the Otter Posters	10
Mugs	83
Coloring Books	35
Large Magnets	10
Small Magnets	16
DVDs, Child	10
DVDs, Adult Visitor	10

The Navy will continue a quarterly e-mail inquiry and would appreciate feedback on community distribution. Anyone can request IC materials at any time by e-mailing Mr. Vernik.

C. IC Inspections and Repairs

IC Inspections

Mr. Vernik indicated that EA performed an abbreviated IC inspection program in 2022 during the LTM fieldwork. IC inspections focused on the downtown area and the UXO education program.

Inspections included looking for evidence of excavations, well installations for domestic use, change of site usage to residential, signage (still present and legible), review of previous findings, and if recommendations were completed in the downtown area.

IC surveys have been in a QR-code electronic format since 2020 due to COVID precautions. There was an informational sheet posted around town and a business card with a QR-code that links to the online survey.

The IC survey component included visiting the kids in the school (when allowed). EA verified that the teachers show the UXO video to the kids and some of them use the QR code to complete the survey.

Ms. McKellar asked if they found out who owned the large television at the airport. Mr. Vernik indicated that the City owns the television.

Mr. Spitler mentioned that the two UXO warning signs on the road to Lake Andrew were missing. They were put up in the fall, but they are gone now. Mr. Vernik said he would check on the signs while he is on island.

Minor IC Repairs

Mr. Vernik explained that APTIM completed the excavation notification sign replacements in October 2022. The Navy is continuing to evaluate whether to replace or simply remove the fencing at the Roberts and White Alice Landfills and has funding budgeted for one or the other action for the next major IC repair event currently planned for 2024 or 2025.

Major IC Repairs

Mr. Vernik explained that the next major IC repair project is currently planned for either 2024 or 2025. This work will be dependent on results of IC inspections and how much actual repairs are needed.

F. Repository Update

Mr. Vernik indicated that the repository has been updated through 2022. The CDs are located in the city office but will be moved to the library.

11. COMMUNITY REPORT / RAB MEMBERSHIP

As of the beginning of the April 2023 RAB meeting, the RAB membership is currently at 11 voting members. If any additional members of the community wish to join the RAB, please contact a RAB member or co-chair. There is no limit to the number of members.

Mr. Vernik asked if any RAB members wanted to nominate someone for the currently vacant community co-chair position. Mr. Spitler nominated Mr. Lockett. Mr. Holsinger seconded the nomination. Mr. Lockett expressed his interest in accepting the position. RAB members voted and all were in favor of Mr. Lockett becoming community co-chair.

Mr. Lockett nominated Ms. Jana Lekanoff to join the RAB. Mr. Spitler seconded the nomination. RAB members voted and all were in favor of Ms. Lekanoff joining the RAB.

Mr. Leon-Guerrero nominated Mr. Chase Berenson to join the RAB. Mr. Lockett seconded the nomination. RAB members voted and all were in favor of Mr. Berenson joining the RAB.

Mr. Vernik asked if someone could check with Mr. Stewart to determine whether he wants to remain a RAB member. Mr. Vernik will check with Ms. Motley to determine whether she wants to remain a RAB member since she moved.

12. REVIEW OF NEW ACTION ITEMS

No Action Items from the September 2022 RAB are being carried over.

ACTION ITEM 1:

The Navy will check to see if a government to government sharing agreement can be put in place for sharing of electronic data.

13. NEXT RAB MEETING

The next RAB will be held on 7 September 2023, at 1:00 pm Adak Time

14. ADJOURN

Mr. Lockett motioned to adjourn the RAB meeting. It was seconded by Mr. Spitler. The meeting was adjourned at 2:22 pm.

Attachment A**Current RAB Membership
April 2023**

Name	Affiliation	Location	Voting Member
Layton Lockett	RAB member (Community Co-Chair)	Adak, AK	1
Ben Leon-Guerrero	RAB member	Anchorage, AK	2
Elaine Smiloff	RAB member	Adak, AK	3
Jack Stewart	RAB member	Adak, AK	4
Kim Turnbull (Mik)	RAB member	Adak, AK	5
Tom Spitler	RAB member	Adak, AK	6
Matt Holsinger	RAB member	Adak, AK	7
Lisa Holsinger	RAB member	Adak, AK	8
Phillip Bennett	RAB member	Adak, AK	9
Julie Motley	RAB member	Denver, CO	10
Jana Lekanoff	RAB member	Adak, AK	11
Chase Berenson	RAB member	Anchorage, AK	12
Craig Scola	RAB member (USEPA)*	Anchorage, AK	
Jamie McKellar	RAB member (ADEC)*	Fairbanks, AK	
Aaron Vernik	RAB member (Navy Co-Chair)*	Silverdale, WA	

* Non-voting member

A quorum to take action will consist of 1/3 of the RAB members.

Action items will be reviewed and approved by a 2/3 vote of RAB members participating in the meeting.

Additional members may be added to the RAB by a quorum present and a 2/3-majority vote of present RAB members.

Adak website:

https://bracpmo.navy.mil/brac_bases/other_west/former_naf_adak.html

Attachment B
Army Corps of Engineers Fact Sheets



FACT SHEET

U.S. ARMY CORPS OF ENGINEERS

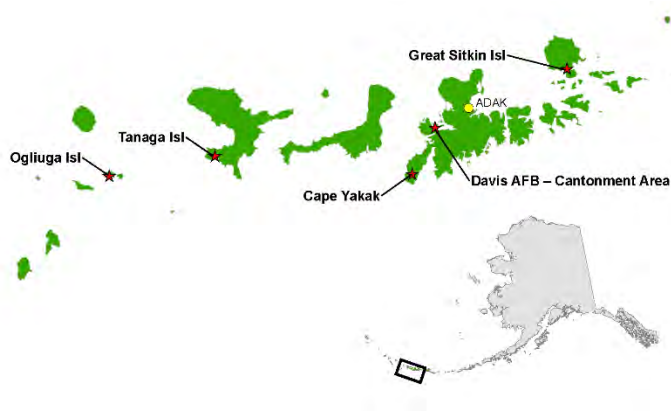
BUILDING STRONG®

March 2023

SUBJECT:

Update on USACE Remedial Investigation near Adak, AK

PURPOSE: To summarize site information and Formerly Used Defense Site (FUDS) project status for the Adak RAB



Ogliuga Island FUDS

The final Phase III HTRW Remedial Investigation (RI) was conducted during the summers of 2020 and 2021.

USACE and Ahtna, Inc., successfully conducted the second season of RI field work. Surface and subsurface soil samples were collected to close data gaps left over from the summer 2020 field season. UVOST was used to further delineate petroleum oil lubricant (POL) plumes at multiple locations. Groundwater monitoring wells were installed and sampled to further delineate plumes.

The data generated during these two field seasons has been compiled into a Phase III RI Report that is in the final phase of finalization. USACE and Ahtna are working on a Feasibility study to address the single CERCLA feature that need remedial action and the various features with POL contamination.

The team was also able to support research being conducted by the National Oceanic and Atmospheric Administration while they were on the island. The samples collected indicated that the stranded orca found on island was 35-40 years old. Based on stomach contents sampled it was most likely resident/fish eating.



Former dock location on the West side of Ogliuga and staging area used during the RI field work.

U.S. ARMY CORPS OF ENGINEERS – ALASKA DISTRICT

Environmental and Special Programs Branch (CEPOA-PM-ESP), P.O. Box 6898, JBER, Alaska 99506

<http://www.poa.usace.army.mil>

Tanaga Island FUDS

Hazardous Toxic and Radioactive Waste (HTRW) project

AECOM successfully conducted the Phast 3 HTRW RI during the course of 2 months during the 2022 field season. AECOM is still processing data and has not reported any data to USACE at the time of this fact sheet. The preliminary draft of the report is due soon. The Draft RI Report should be completed fall 2023 for review by ADEC, USFWS and other interested parties.

Military Munitions Response Program (MMRP) Project

The UFP-QAPP for the Phase III MMRP RI is still in development, but should be available for ADEC, USFWS and other interested parties early in the spring of 2023. Anticipated field work is expected to start with barge departure from Seward around June 26th, field camp setup beginning on July 6th and field work continuing until the 3rd week of August. Support Vessels Of Alaska will be making weekly runs between Tanaga and Adak July/August 2023.

Field work is planned with EM-61 and Advanced Classification to refine the boundaries between high use areas and low use areas. Collect sufficient data to define the lateral and vertical extent of the 20 mm ammunition that was detonated on site by the Navy within each high use area.



Top Left - ISM sampling.

Top Right - Final condition of PH04,- Pump Station looking across former drinking water source.

Bottom Left -Final road conditions on east side of runway.

Cape Yakak FUDS

In the summer of 2020, a Phase I Remedial Investigation (RI) and limited Removal Action was conducted which included: 1) a Phase I RI to investigate site features related to the Radar Area and Inland Area where historical releases may have occurred, and 2) a limited Removal Action to address known sources of contamination. In 2020, the limited Removal Action was executed to address drums, drum fluids, batteries, leaded cable, grease, paint, and related contaminated soil. Sources were removed, containerized, and shipped offsite for disposal. The Phase I RI was also conducted in 2020 to investigate soil, sediment, surface water, and groundwater for known or suspected contaminants at the Radar Area and Inland Area. All work was done in conjunction with the USFWS, ADEC, and other interested stakeholders. Work plans were reviewed extensively by interested parties to ensure work was conducted following the most recent guidelines and regulations. A report documenting the work conducted in 2020 has been finalized following review and approval by stakeholders and regulators.

Future planned work includes a Phase II RI to address data gaps and further delineate the nature and extent of contamination. Additionally, a second Removal Action will occur to address residual contamination that remains following the first Removal Action, including remaining leaded cable. A contract action will be awarded in 2023 and field work is anticipated starting in 2024. The overall goal is to cleanup and closeout the site following USACE and ADEC guidance and recommendations, all in coordination with the USFWS and other interested stakeholders.



Drilling rig and supporting UTV



Drum pile before removal action



Remote camp setup

Davis AFB – Cantonment Area

In the summer of 2019 and 2020, Removal Actions were successfully conducted to address the drums, tanks, electrical debris, batteries, cable, pipeline, and related contaminated soil. Groundwater and surface water were also investigated and was determined to be very intermittent and unimpacted by surface releases. Final reports have been reviewed and accepted by the USACE, USFWS, and ADEC. All work was conducted following an ADEC approved work plan and in compliance with up-to-date guidance and regulations. A site close out report was recently developed and submitted to the ADEC for review and approval. This report was reviewed and that site was officially closed.

A site visit was conducted by the USFWS and USACE in the summer of 2022. It was discovered that some wood debris and other small items were left at the site. The USACE is currently coordinating with Ahnna, Inc. to visit the site in 2023 and pick up these remaining items while in the vicinity doing other related work.



Excavating soil and filling bulk bags



Generators and drums before removal action

U.S. ARMY CORPS OF ENGINEERS – ALASKA DISTRICT

Environmental and Special Programs Branch (CEPOA-PM-ESP), P.O. Box 6898, JBER, Alaska 99506

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Overview of site and barge before removal of soil bags

Great Sitkin Island FUDS

The Phase II HTRW Remedial Investigation was conducted during the summer of 2021 and JE continues to work towards a report that is releaseable to ADEC, USFWS and other interested stakeholders. The USACE Center of Expertise will be performing an Independent Technical Review of the preliminary findings that have been drafted. Once required changes have been made to the RI it will be published for review, anticipated early summer 2023. Future work after finalization of the RI report includes further investigation to further delineate the nature and extent of CERCLA and POL contamination on site.



USFWS and USACE performed a site visit fall 2022. Intrusive activities that were conducted summer 2021 had revegetated well. Image to the left is the 2021 field camp showing regrowth.

Below left 2021 test pit advanced to find the location of military pipeline and valve pits. Goal was to determine if they were still present and if they were still in good condition. Buried pipelines and vales were found to be in good condition and found to be not leaking. Below right is the same test pit looking uphill from the road. Vegetation regrowth is proceeding well.



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