



**US Army Corps
of Engineers®**
Alaska District



Amaknak Formerly Used Defense Site
Status Update and Initial Restoration Advisory Board Meeting

6:00-8:00 PM
Tuesday, March 16, 2021

Teleconference Line: Teleconference Call: (855) 756-7520
Access Code: 71984#

AGENDA

1. 6:00 – 6:10 Welcome and Introductions
 - a. RAB Members and Project Team Introductions
 - b. Meeting Goals and Objectives
2. 6:10 – 6:55 Restoration Advisory Board
 - a. Induct RAB Members
 - b. Identify/Elect Community Co-Chair
 - c. Vote to Revise/Adopt Operating Procedures and Mission
 - d. Vote to Revise/Adopt Nov 17, 2021 Minutes
3. 6:55 – 7:30 Project Updates
 - a. FUDS Amaknak FUDS Property and Projects
 - b. Information Repository Refresh
 - c. History: Removal of Pipelines, tanks, and Associated Fuel-Contaminated Soil on Amaknak and Unalaska Islands (CON/HTRW Project)
Progress and Prioritization of Remaining Impacts
 - Unalaska Valley
 - Pyramid Valley-Port Levashef
 - Summer Bay-Humpy Cove
 - Margaret Bay-Airport
 - Museum of the Aleutians
 - Mount Ballyhoo
 - Mount Ballyhoo Spit
 - Little South America
 - d. Pre-World War II Tank Farm Project (HTRW Project)
 - e. Captain's Dock Chemical Agent Disposal (CWM Project)
 - f. Range Complex No. 1 (MMRP Project)
4. 7:30 – 8:00 Next Steps/Discussion
 - a. Continue Progress and Prioritization of Remaining Impacts
 - b. Rescore MMRP Risk and Conduct a Future Remedial Investigation
 - c. Schedule Next Meeting
5. Questions and Answers
6. Contact Information and Closing Remarks

“Building and Preserving Alaska’s Future”

AMAKNAK

FORMERLY USED DEFENSE SITE

RESTORATION ADVISORY BOARD MEETING

Rena Flint, Project Manager
Tom Reed, Project Engineer
Kelly Eldridge, Archeologist
Kendall Campbell, Tribal Liaison

U.S. Army Corps of Engineers – Alaska District

16 March 2021



**US Army Corps
of Engineers®**

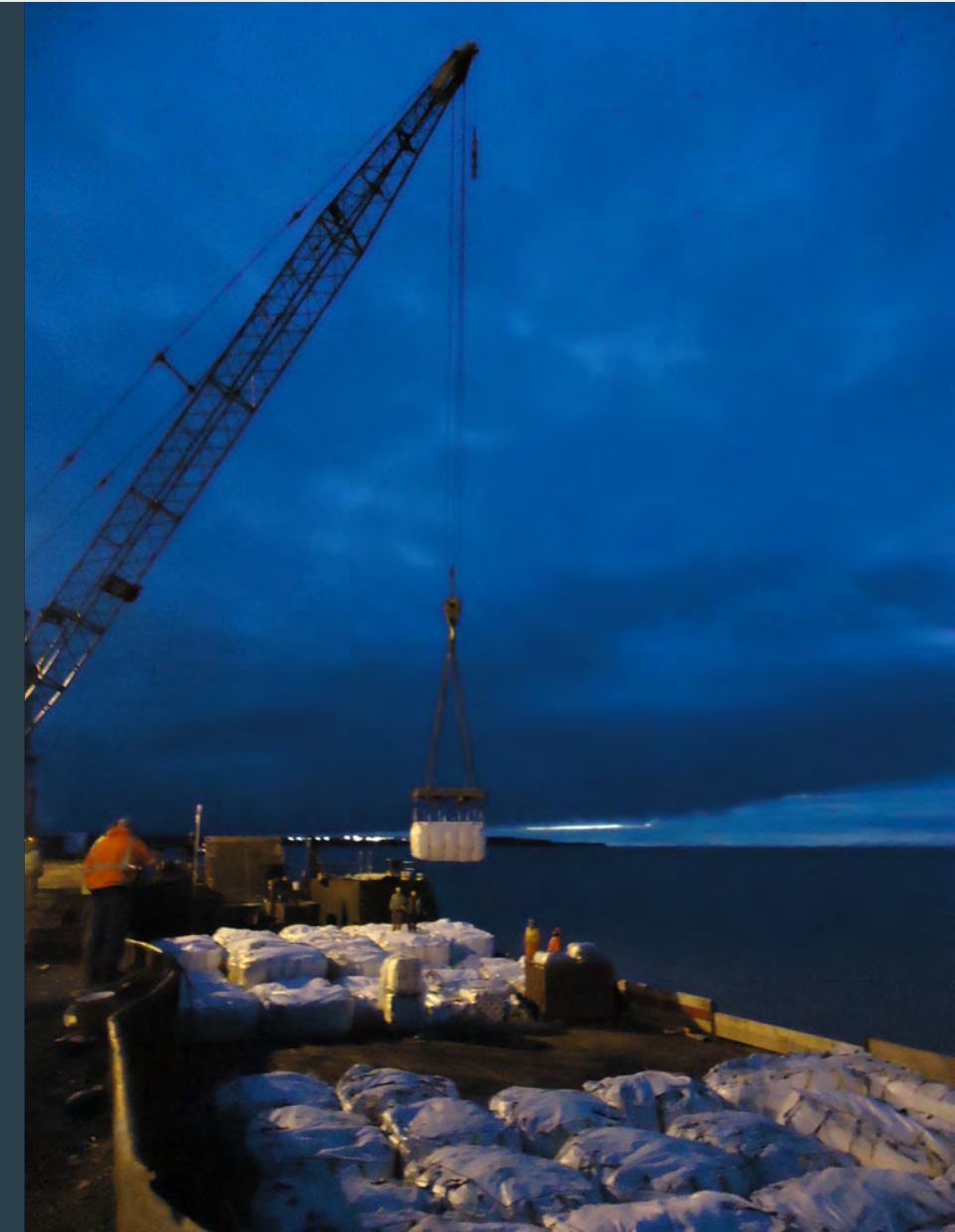


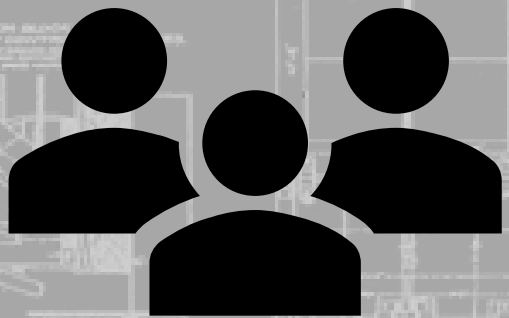


MEETING AGENDA



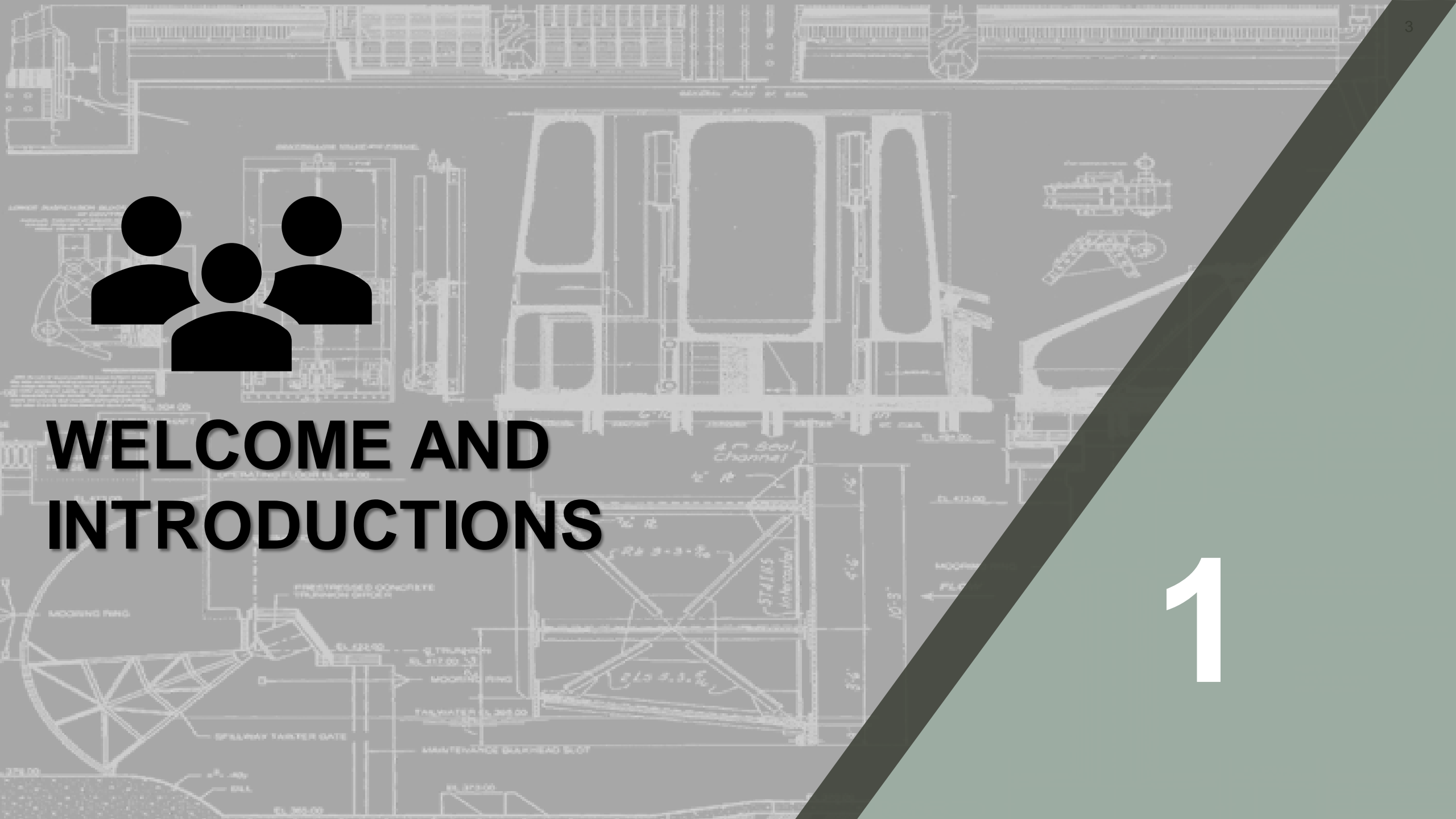
- 1. Welcome and Introductions**
- 2. Restoration Advisory Board (RAB)**
 - Induct RAB Members
 - Identify/Elect Community Co-Chair
 - Vote to Revise/Adopt Operating Procedures and Mission
 - Vote to Revise/Adopt Nov 17, 2021 Minutes
- 3. Project Updates**
- 4. Next Steps**
 - Schedule Next Meeting
 - Continued Progress and Prioritization of Remaining Impacts
- 5. Questions and Answers**
- 6. Contact Information**





WELCOME AND INTRODUCTIONS

1



RAB MEMBERS AND PROJECT TEAM INTROS



Alyssa K McDonald



Okalena Patricia
Lekanoff Gregory



David M Gregory



Jay Edward King



Cascade Galasso-Irish



Rena Flint



Tom Reed



Kendall Campbell



Kelly Eldridge

RAB Members

1. Elise Contreras
2. Alyssa K McDonald
3. Okalena Patricia Lekanoff Gregory
4. David M Gregory
5. Virginia Hatfield
6. Kale Bruner
7. Jay Edward King
8. Rena Flint

Project Team

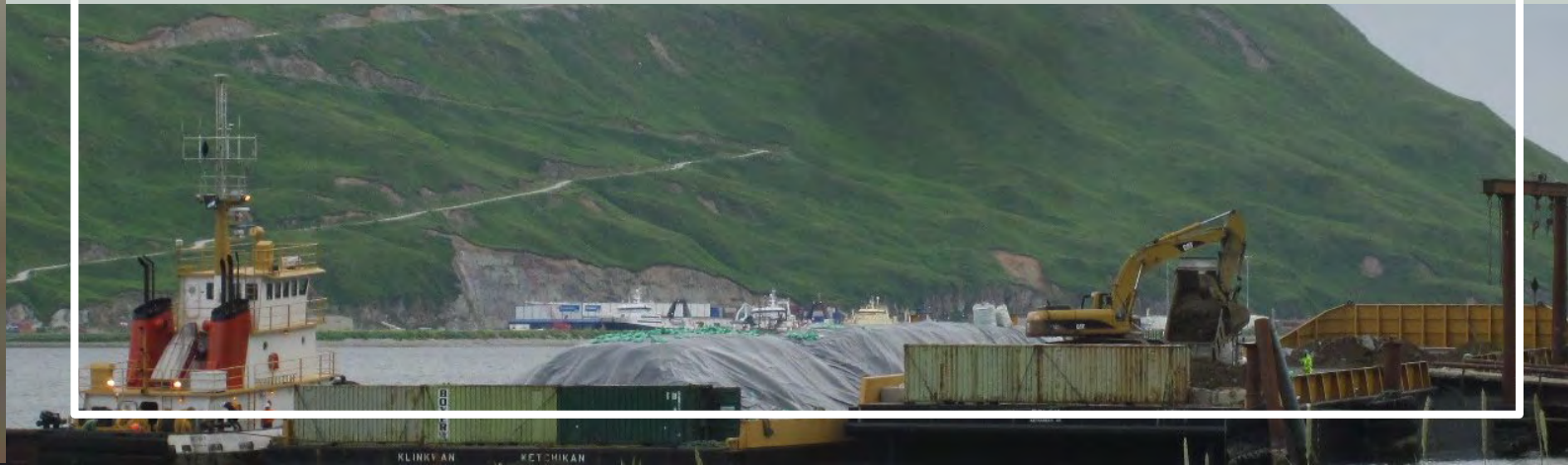
1. Tom Reed
2. Kendall Campbell
3. Kelly Eldridge
4. Cascade Galasso-Irish
5. Josie Wilson



RENA FLINT



Amaknak FUDS Project Manager, RAB Co-Chair





KENDALL CAMPBELL



Tribal Liaison

What I do:

- Support the U.S. Army Corps of Engineers Alaska District Commander in meeting the District's government-to-government (G2G) obligations
- Support building and strengthening cross cultural respect and tribal relationships across all Alaska District missions
- Support Alaska District staff level engagement and consultation
- Facilitate cross cultural communication and meaningful consultation
 - Mediation and Translation
 - Manage Tribal Contacts lists, understand tribal areas of concern, monitor COVID travel mandates and closures
- Update Tribes on Corps policies, programs, and processes

Cultures Resources Lead



Cultural Resources in Amaknak FUDS :

- Former Unangan villages and landscapes
 - » e.g., Summer Bay Site (UNL-00092)
- Russian Period structures and landscapes
 - » e.g., Sitka Spruce Plantation (UNL-00074)
- American Period structures and landscapes
 - » e.g., Church of the Holy Ascension National Historic Landmark (UNL-00005)
- World War II-era structures and landscapes
 - » e.g., Dutch Harbor Naval Operating Base & Fort Mears National Historic Landmark (UNL-00120)

Hill 400 Battery Command Post

CASCADE (CAS) GALASSO-IRISH

Alaska Department of Environmental Conservation (ADEC) Introduction

Our Mission:

Conserve, improve, and protect Alaska's natural resources and environment and control water, land, and air pollution, in order to enhance the health, safety, and welfare of the people of the state and their overall economic and social well being.

Spill Prevention and Response (SPAR) Division - Contaminated Sites Program - Federal Facility Oversight Section

Regulatory Oversight

- Protect human health and the environment by identifying, overseeing, and conducting timely, science-based, and defensible characterization, cleanup, redevelopment, and management of contaminated sites in Alaska.



ADEC Project Manager:

Cascade Galasso-Irish

Phone: 907-451-2181

Email: cascade.galasso-irish@alaska.gov





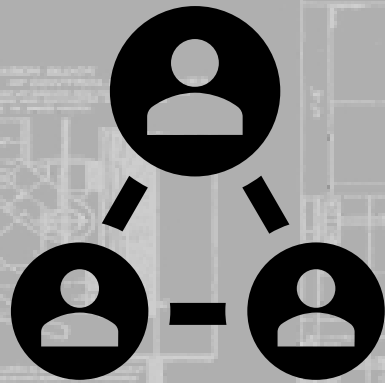
COMMUNITY INTRODUCTIONS

Meeting Attendees

Please Introduce Yourself

- Name, Affiliation, What You're Hoping To Get Out Of The Meeting



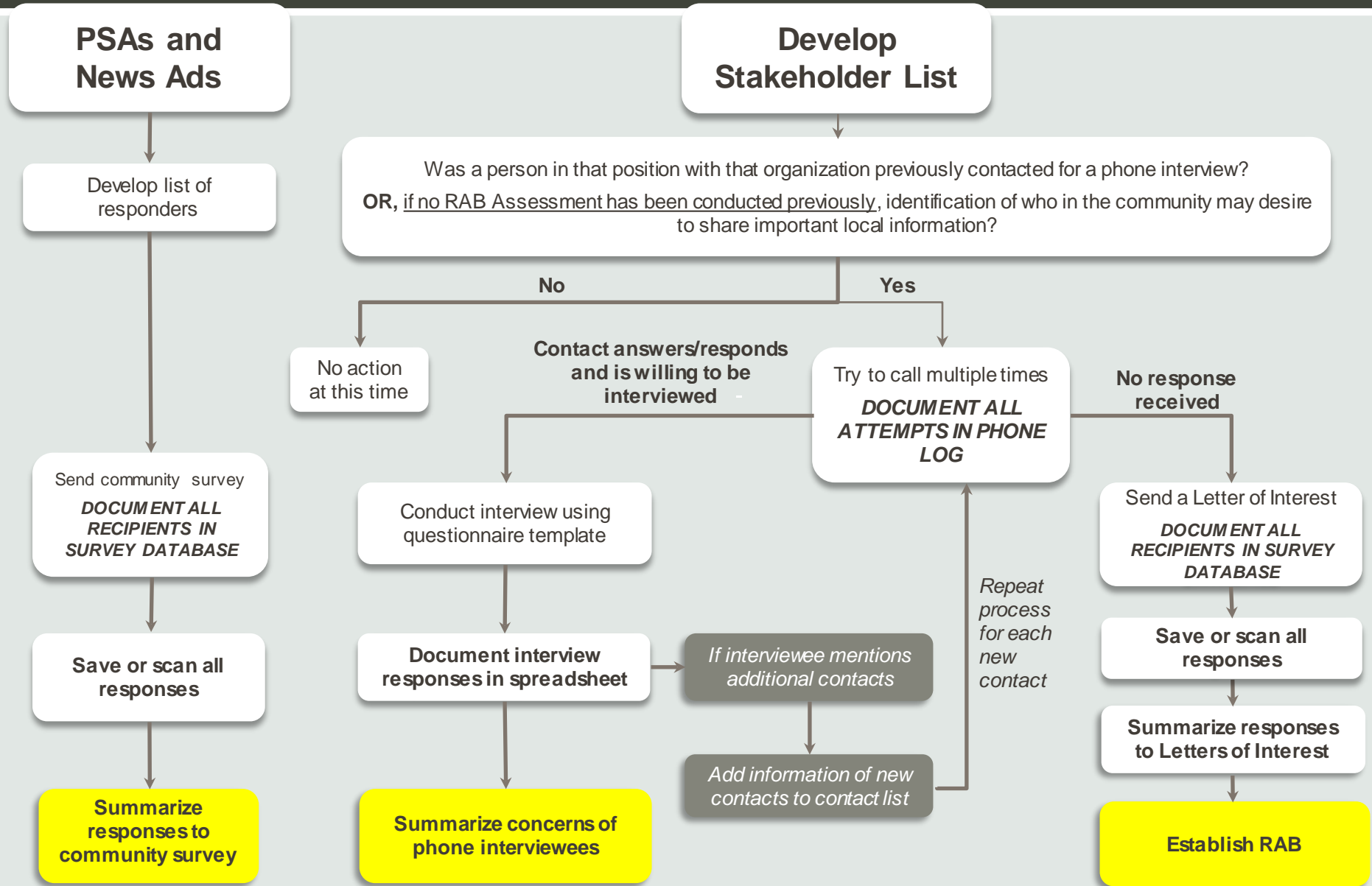


RESTORATION ADVISORY BOARD (RAB)

2



RAB ASSESSMENT: YES RAB ✓



We Are Here



DRAFT CONDITIONS FOR MEMBERSHIP



RAB membership duties and responsibilities include reviewing and commenting on technical documents and activities associated with environmental investigation and cleanup activities at the Amaknak Formerly Used Defense Site.



RAB members serve a multi-year term and attend all RAB meetings. Those who are not able to attend on a consistent basis may be asked to resign. RAB members will be available to the general community and civic organizations to facilitate the exchange of information and/or concerns between the community and the RAB.



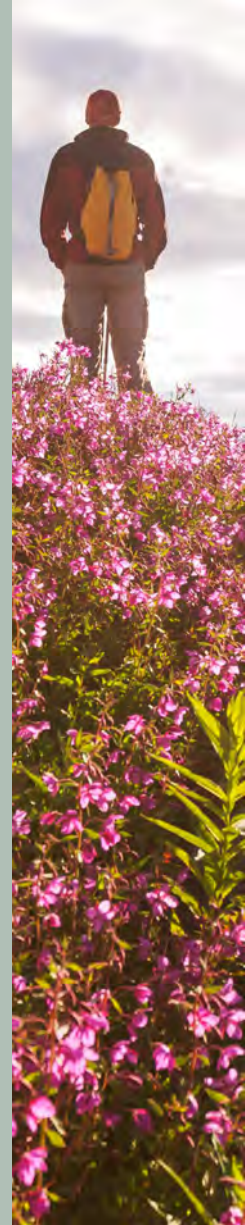
Priority for RAB membership will be given to local residents who are affected by cleanup activities at the Amaknak Formerly Used Defense Site



INDUCT RAB MEMBERS



1. **Elise Contreras**, Qawalangin Tribe of Unalaska
2. **Alyssa K McDonald**, Community Member, Mac Enterprises,
City Council, Logistics/ Marine Transportation
3. **Okalena Patricia Lekanoff Gregory**, Community Member, Business Representative
4. **David M Gregory**, Community Member, Ounalashka Corporation, City Council
5. **Virginia Hatfield**, Museum of the Aleutians
6. **Kale Bruner**, Archaeologist
7. **Jay Edward King**, Community Member, Lions Club Member, Public Safety Director, Prior Military Service Member
8. **Rena Flint**, U.S. Army Corps of Engineers, Co-Chair



Qawalangin Tribe of Unalaska

Elise Contreras has a masters degree and is working toward a PhD in biological sciences, specifically ecotoxicology. She has experience with field work on Unalaska, and is interested in cleanup activities to ensure the work performed is done to the highest possible standard to protect human health and the environment.

Areas of Education, Expertise, Experience or Special Skills

- M.S in Biological sciences/Ecotoxicology
- Current doctoral student in same fields
- Understanding of contaminants on Unalaska
- Lifelong Alaskan

ALYSSA K MCDONALD



**Community Member, Mac Enterprises, City Council, Logistics/
Marine Transportation**

Alyssa McDonald is an active community member who has served on the board of KUCB, as an elected city council official and as a lobbyist for the small boat fishers and processors. Alyssa has an extensive background in public speaking and through her business has become an expert in travel and logistics in the Aleutians.

Areas of Education, Expertise, Experience or Special Skills

- Expertise in logistics, field camps, transportation
- Knowledge of Aleutian environment, local/traditional knowledge
- Planner or land manager
- Subsistence use, hunting, fishing, gathering information
- Communications specialty or community liaison
- Business leader or economic development expertise

OKALENA PATRICIA LEKANOFF-GREGORY

Community Member, Business Representative



Okalena Patricia Lekanoff-Gregory was born and raised in Unalaska. She has an Associate Degree in Police Administration and a Bachelors Degree in Rural Development, both from University of Alaska in Fairbanks. She is a Cultural Bearer for the Aleut People teaching The Art of Bent Wood Hats as well as Grass Basket Weaving. She serves on the Board of Aleut International Inc, which is a member of Arctic Council. Patty is interested in serving on the RAB so that she can have a voice in the cleanup of her beloved Unalaska Island.

Areas of Education, Expertise, Experience or Special Skills

- Knowledge of Aleutian environment, local/traditional knowledge
- Subsistence use, hunting, fishing, gathering information
- Archeological or cultural resource knowledge
- Communications specialty or community liaison
- Tribal Elder or Youth Leader
- Children/youth worker, Teachers, Educators

DAVID M GREGORY

Community Member, Ounalashka Corporation, City Council



David arrived in Unalaska in 1975 as a senior in High School. Upon graduating he spent two years at the University of Alaska in Fairbanks. David started his career in Fire Department in 1979 eventually becoming the Fire Chief in Unalaska. After retiring from the City of Unalaska David started working for the Ounalashka Corporation where he continues to work today as Land Manager. David is a member of the Unalaska City Council and the Chairman of the Holy Ascension Cathedral Restoration Committee. David enjoys fishing and boating and spending time outdoors.

Areas of Education, Expertise, Experience or Special Skills

- Expertise in environmental investigations and remediation
- Expertise in logistics, field camps, transportation
- Knowledge of Aleutian environment, local/traditional knowledge
- Planner or land manager
- Subsistence use, hunting, fishing, gathering information
- Native Corporation representative
- City representative

DR. VIRIGNIA (GINNY) HATFIELD

Museum of the Aleutians

Dr. Virignia (Ginny) Hatfield is an archaeologist and the Executive Director of the Museum of the Aleutians. She has worked in archaeology for over 25 years and continues to conduct archaeological research in the Aleutian Islands through the Museum and provides cultural resource management services through her private businesses (Hatfield Archaeology and Aleutian Archaeology). She has served as the Executive Director of the Museum since 2017 and oversees the general operations as well as assisting with programs including the Community Archaeology Research Program each summer.

Areas of Education, Expertise, Experience or Special Skills

- Knowledge of Aleutian environment, local/traditional knowledge
- Subsistence use, hunting, fishing, gathering information
- Archeological or cultural resource knowledge
- Educational background in science

KALE BRUNER

Archaeologist

Kale Bruner, a part-time archeological researcher at the Museum of the Aleutians, has also performed independent archeological services as a consultant. As a community member, Kale is interested in both the cleanup effort and the history of land use at Amaknak.

Areas of Education, Expertise, Experience or Special Skills

- Knowledge of Aleutian environment, local/traditional knowledge
- Archeological or cultural resource knowledge
- Educational background in science

JAY EDWARD KING

Chief of Police, Unalaska Department of Public Safety



Jay King joined the Unalaska Department of Public Safety in 2020 as the Director/Chief of Police. Jay has expertise in logistics and communications and is an active member of several organizations, including the Association of Chiefs of Police, Alaska Peace Officer Association, Aleutian Rod & Gun Club and USAFV Unalaskans Against Sexual Assault & Family Violence. In his free time, Jay enjoys motorcycles, flying planes/drones, scuba diving, competitive firearm shooting and travelling abroad.

Areas of Education, Expertise, Experience or Special Skills

- Expertise in logistics, field camps, transportation
- Communications specialty or community liaison



AMAKNAK FUDS RAB MISSION

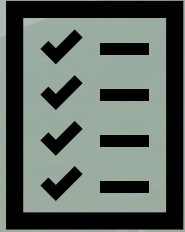


The Amaknak FUDS RAB mission is to establish and maintain a forum with all stakeholders for the exchange of information in an open and interactive dialogue concerning the environmental restoration activities at the Amaknak FUDS.





AMAKNAK FUDS RAB OPERATING PROCEDURES



Policies on Attendance



Meeting Frequency



Dispute Resolution



**Reviewing and
Responding to Public
Comments**



**Procedures for Public
Participation**



**Membership and Co-Chair
Length of Services**

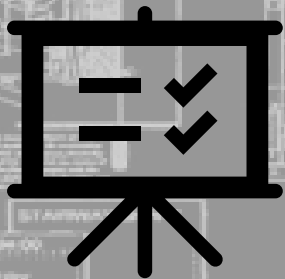


REVISE/ADOPT NOV 17 2020 MINUTES



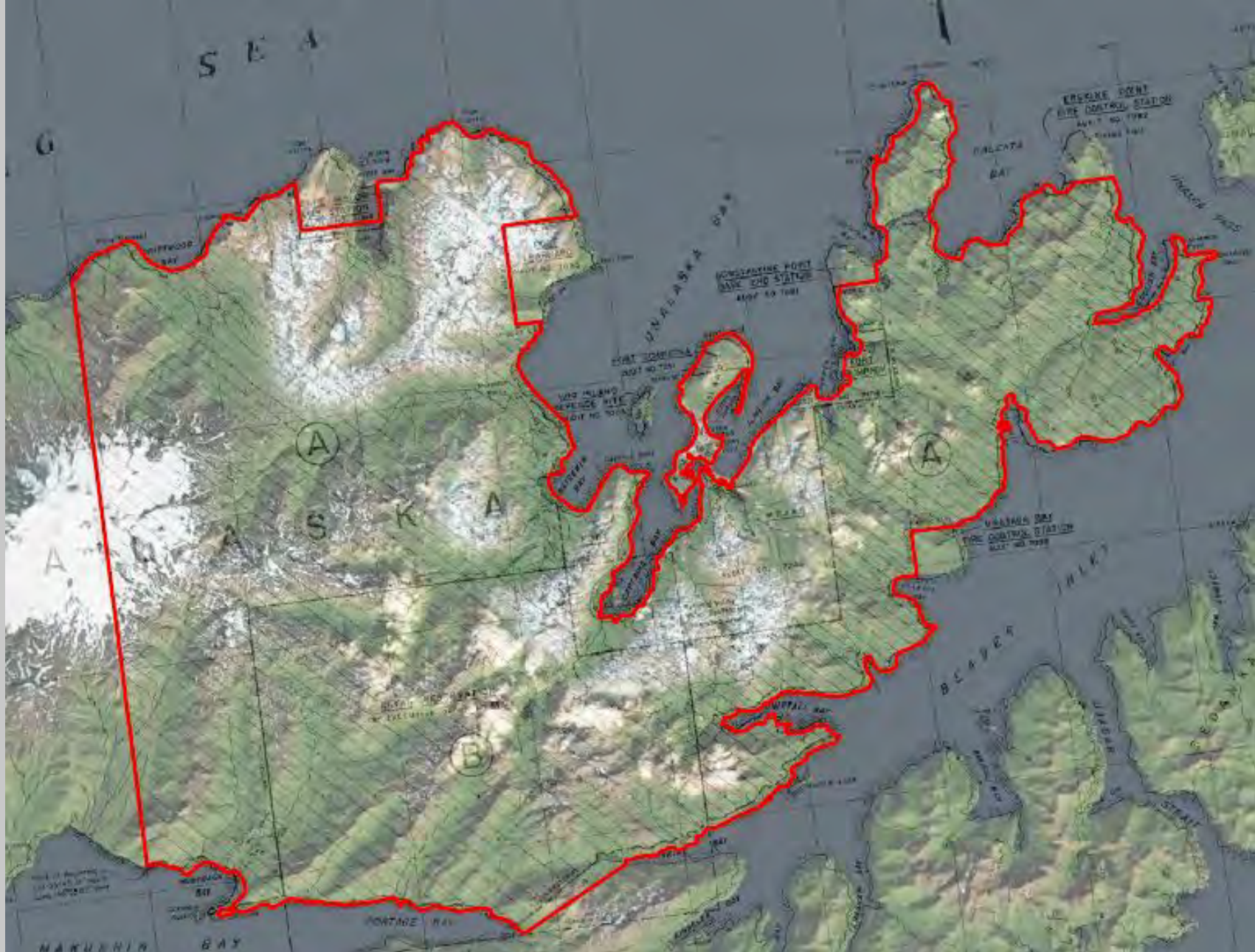


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PROJECT UPDATES

3



AMAKNAK FUDS PROPERTY



AMAKNAK FUDS PROPERTIES



Site Assessment

- Preliminary Assessment
- Site Inspection



Investigation

- Interim Risk Management
- Remedial Investigation
- Feasibility Study

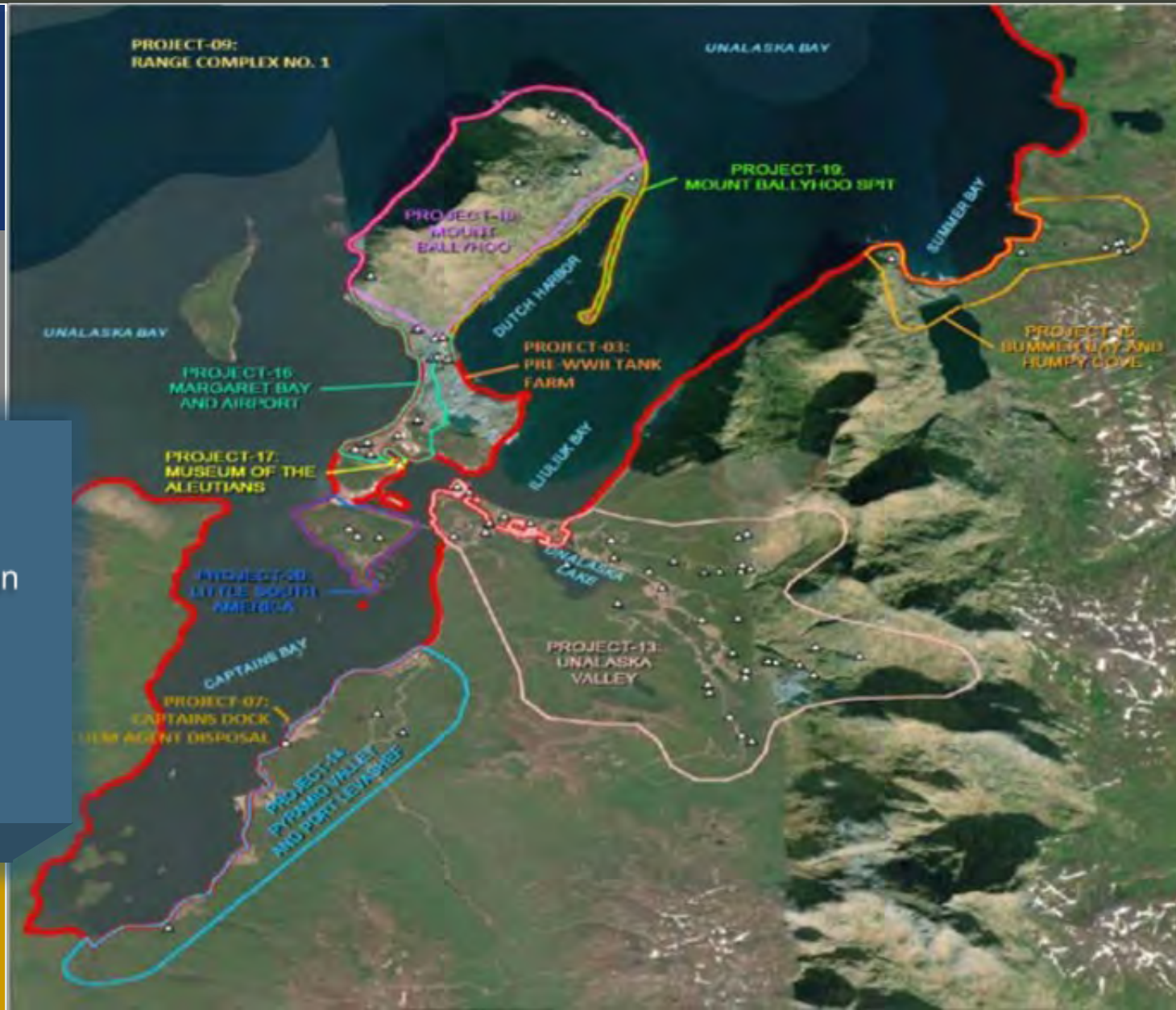


Cleanup



We Are Here

- Restoration Advisory Board
- Remedial Design/Removal Action Design
- Remedial Action Construction/ Removal Action Construction
- Remedial Action Operation
- Long Term Management



Complete

- Project Closeout



INFORMATION REPOSITORY REFRESH





REMOVAL OF PIPELINES, TANKS, AND ASSOCIATED FUEL CONTAMINATED-SOIL



Amaknak and Unalaska islands

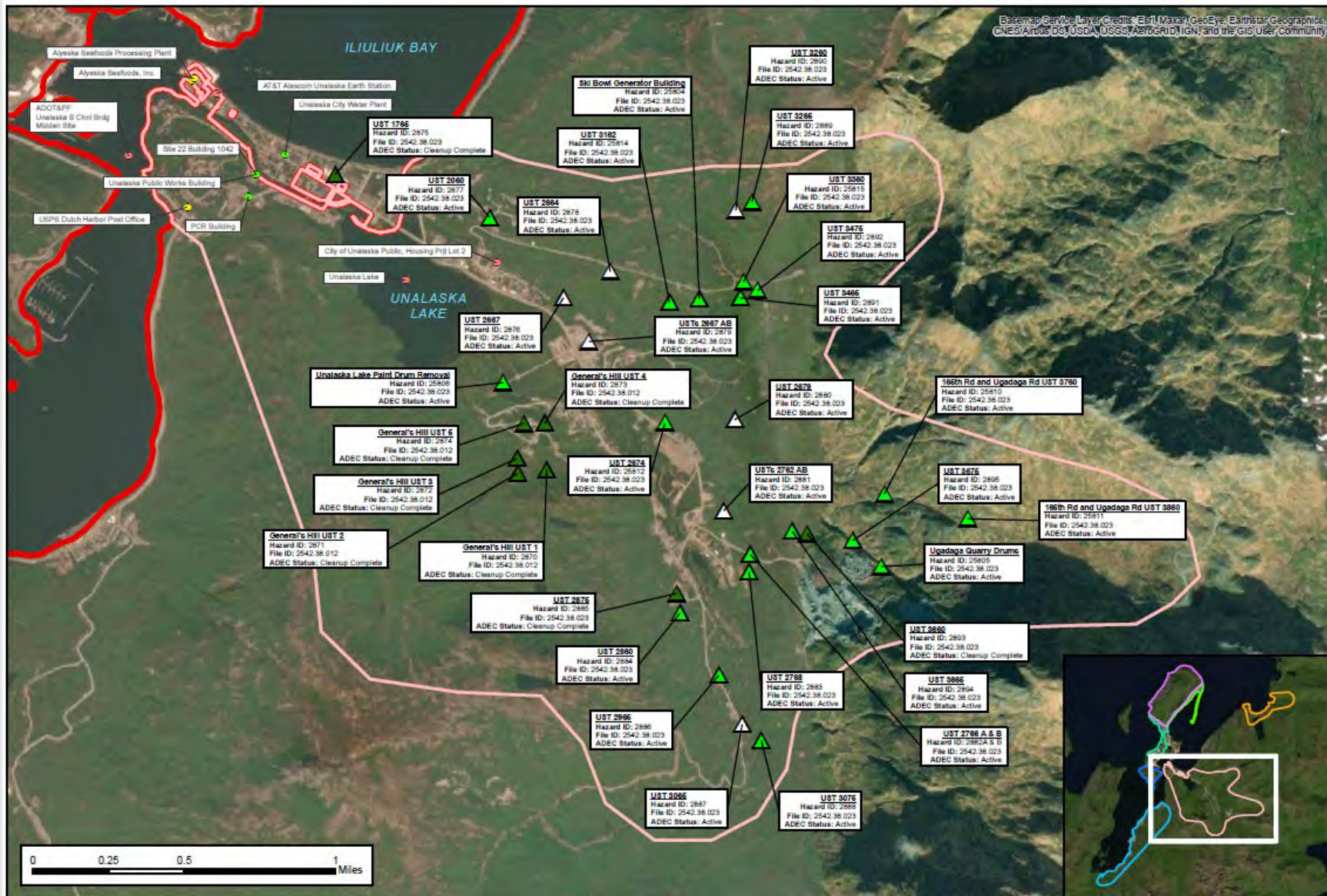


PROGRESS AND PRIORITIZATION OF REMAINING IMPACTS

- Setting Goals
- Driven
- Informed By RAB

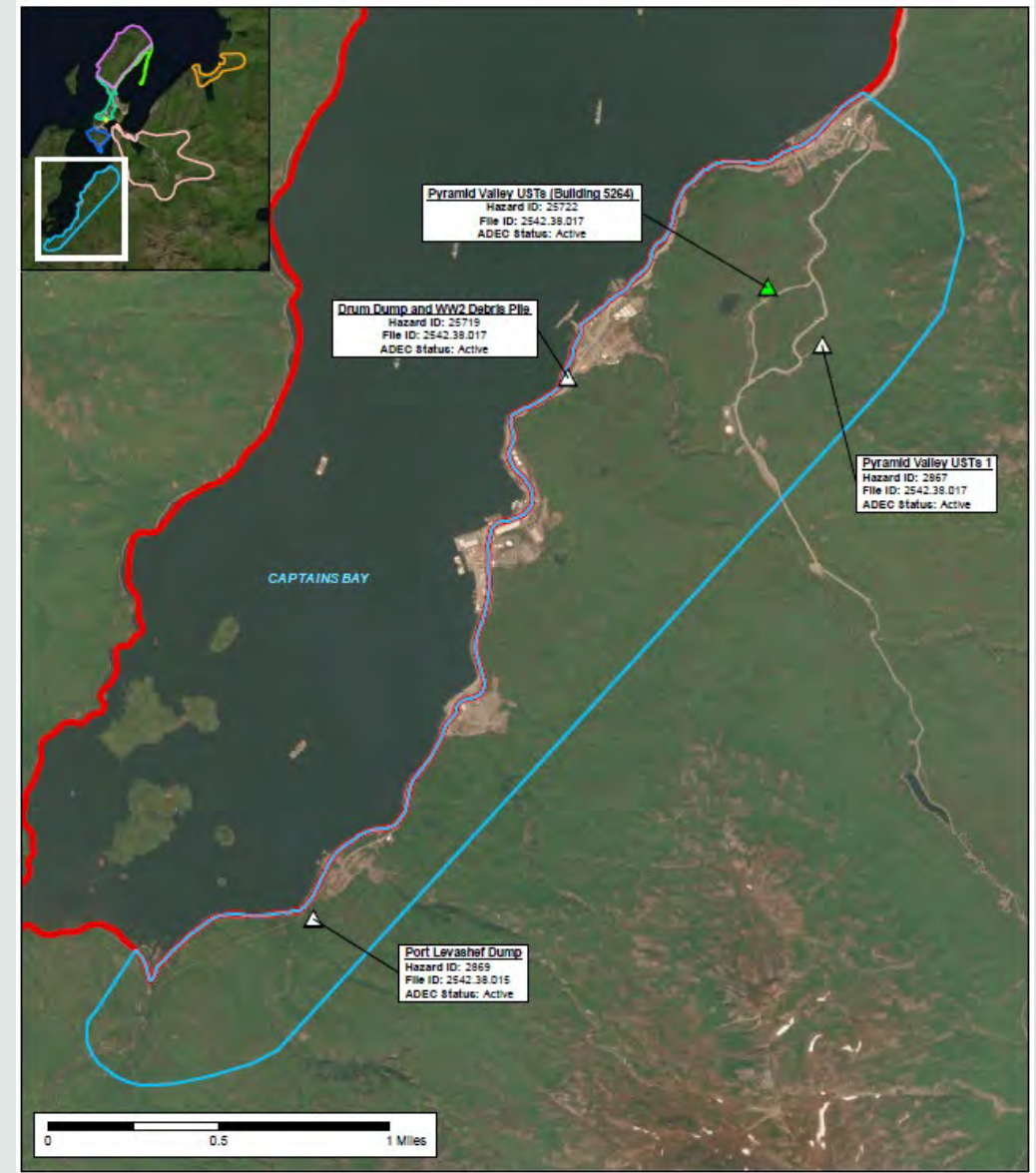


UNALASKA VALLEY



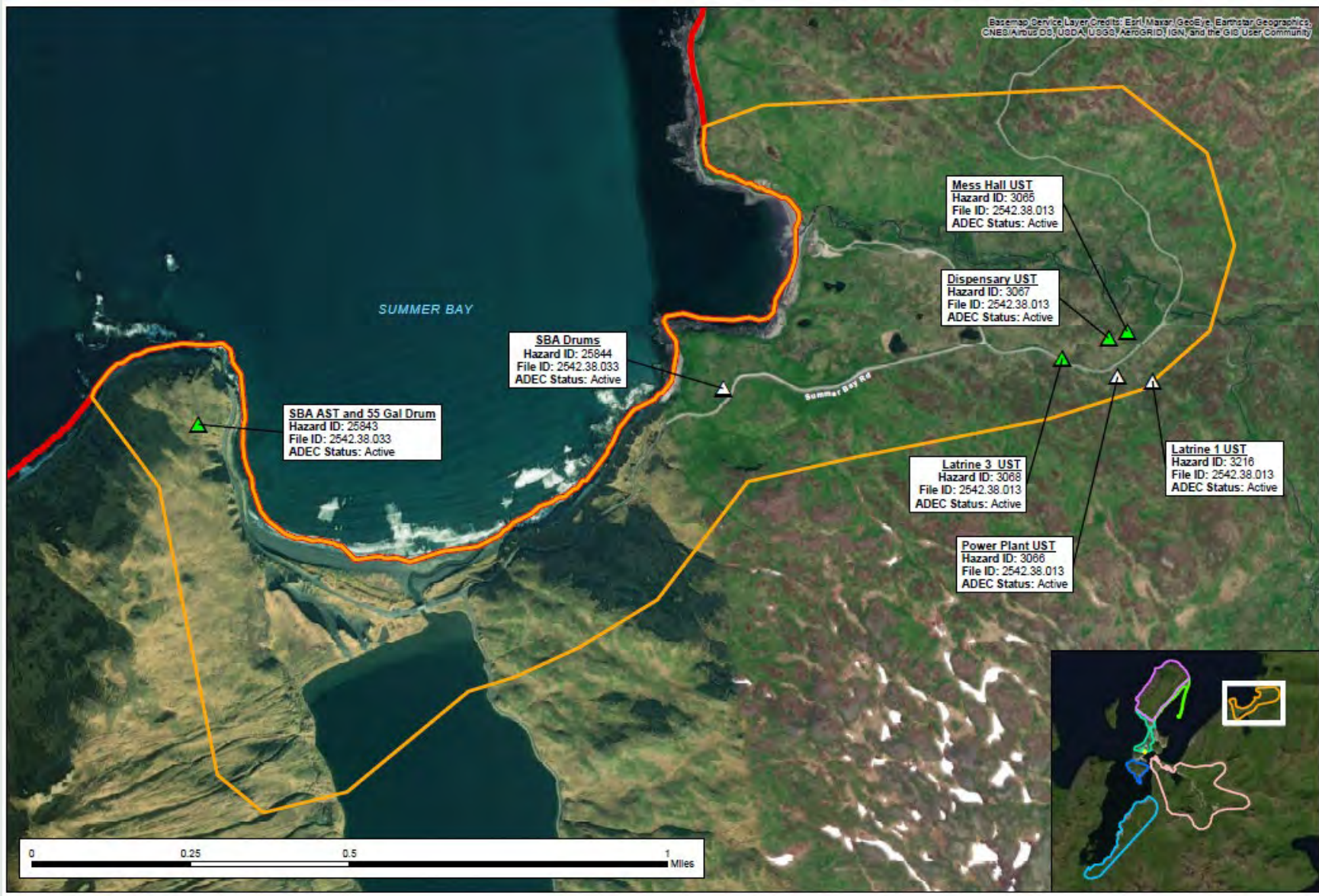


PYRAMID VALLEY-PORT LEVASHEF





SUMMER BAY-HUMPY COVE





MARGARET BAY-AIRPORT



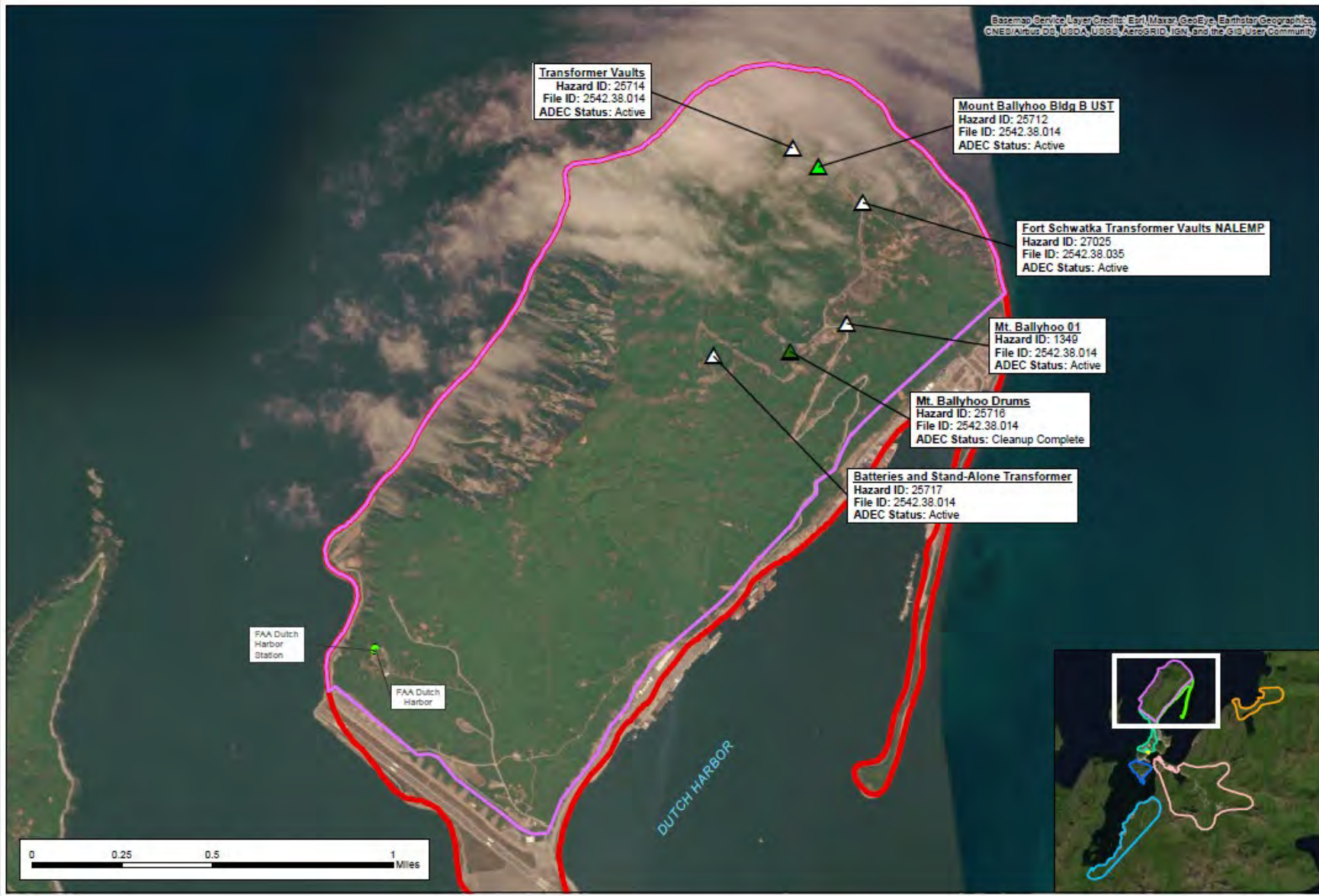


MUSEUM OF THE ALEUTIANS





MOUNT BALLYHOO





MOUNT BALLYHOO SPIT





LITTLE SOUTH AMERICA





PRE-WWII TANK FARM PROJECT



Cleanup

- Restoration Advisory Board
- Remedial Design/Removal Action Design
- Remedial Action Construction/Removal Action Construction
- Remedial Action Operation
- Long Term Management



Complete

- Project Closeout



2019-2020 ACTIVITY SUMMARY



- Monitoring Well Network Maintenance/Optimization
- Groundwater Monitoring
- Building 551 Crawlspace Covers
- Information to Site Users
- Groundwater Use Determination
- 2nd Periodic Review of Remedy





TREND ANALYSIS



MW-8		
Date	DRO	RRO
12/7/1998	4	ND [0.2]
11/14/1999	3.6	ND [1.2]
2/14/2000	20.2	13.7
5/9/2000	2.4	0.55
8/26/2000	4.8	1.6
12/7/2000	1.5	0.28
3/6/2001	2.4	0.37
6/8/2001	1.2	ND [0.3]
9/5/2001	10.7	6.96
2/8/2002	4.7	2.8
5/9/2002	7.6	5.6
8/20/2002	4.9	2.8
11/24/2002	1.3	0.59
3/2/2003	2.3	0.696
6/30/2009	3.19	0.704
9/3/2012	1.3	0.26
9/25/2013	2.9	0.62
12/2/2014	0.75	0.22
10/15/2019	1.9	0.42

MW-23		
Date	DRO	RRO
6/30/2009	1.31	0.691
9/25/2013	0.96	0.56
12/2/2014	0.84	0.4

MW-25		
Date	DRO	RRO
10/21/2019	0.2	0.22

MW17		
Date	DRO	RRO
7/1/2009	2.11	0.746
10/16/2019	1.3	0.62

MW-16		
Date	DRO	RRO
11/11/2004	49	47
10/19/2019	1.2	0.54

MW-11		
Date	DRO	RRO
12/12/1998	4.9	0.28
11/11/1999	3.3	0.4
2/13/2000	1.9	1.5
5/9/2000	3.5	1.2
9/15/2000	5.5	0.83
3/7/2001	150	88
6/8/2001	8	2.4
9/14/2001	20.9	15.5
2/9/2002	79	7.8
5/10/2002	3.5	1.2
8/20/2002	4.2	1.6
11/24/2002	5.7	4.2
3/2/2003	7.79	6.72
9/26/2013	3.1	5.6
12/3/2014	1.3	2.6
10/18/2019	6.8	6

MW-7R		
Date	DRO	RRO
12/7/1998	0.15	ND [0.2]
11/11/2004	0.014	0.150
5/1/2005	0.097	0.175
5/12/2006	ND [0.326]	0.149
8/12/2007	0.092	0.250
5/21/2008	ND [0.0612]	ND [0.51]
6/29/2009	ND [0.269]	0.203
9/2/2012	0.017	ND [0.02]
9/25/2013	0.045	0.1
12/2/2014	0.024	0.035
10/21/2019	0.12	0.16

MW-24		
Date	DRO	RRO
10/22/2019	2	0.62

MW27		
Date	DRO	RRO
10/20/2019	0.17	0.15

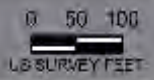
MW-19		
Date	DRO	RRO
7/1/2009	3.49	1.3
10/17/2019	2.1	0.97

MW-26		
Date	DRO	RRO
10/23/2019	0.12	0.19



DUTCH HARBOR

Cleanup Levels from 2007 Decision Document (USACE 2007)	
Analyte	mg/L
DRO	15
RRO	11



LEGEND

Monitoring Well Status

- Existing Well
- Decommissioned 2019
- Well Not Located/Destroyed

Free Product Encountered in October 2019

Aggregate Groundwater Flow Direction

Previously Excavated Area (2007-2008)

Shaded cells with **bold** text indicate detections exceeding site-specific cleanup levels.



INTERIM RISK MANAGEMENT CAPTAIN'S DOCK CHEM AGENT DISPOSAL



Example of vials from a Chemical Agent Identification Sets (CAIS) kit



INTERIM RISK MANAGEMENT - RANGE COMPLEX NO. 1 MMRP



An example of a medium caliber munition

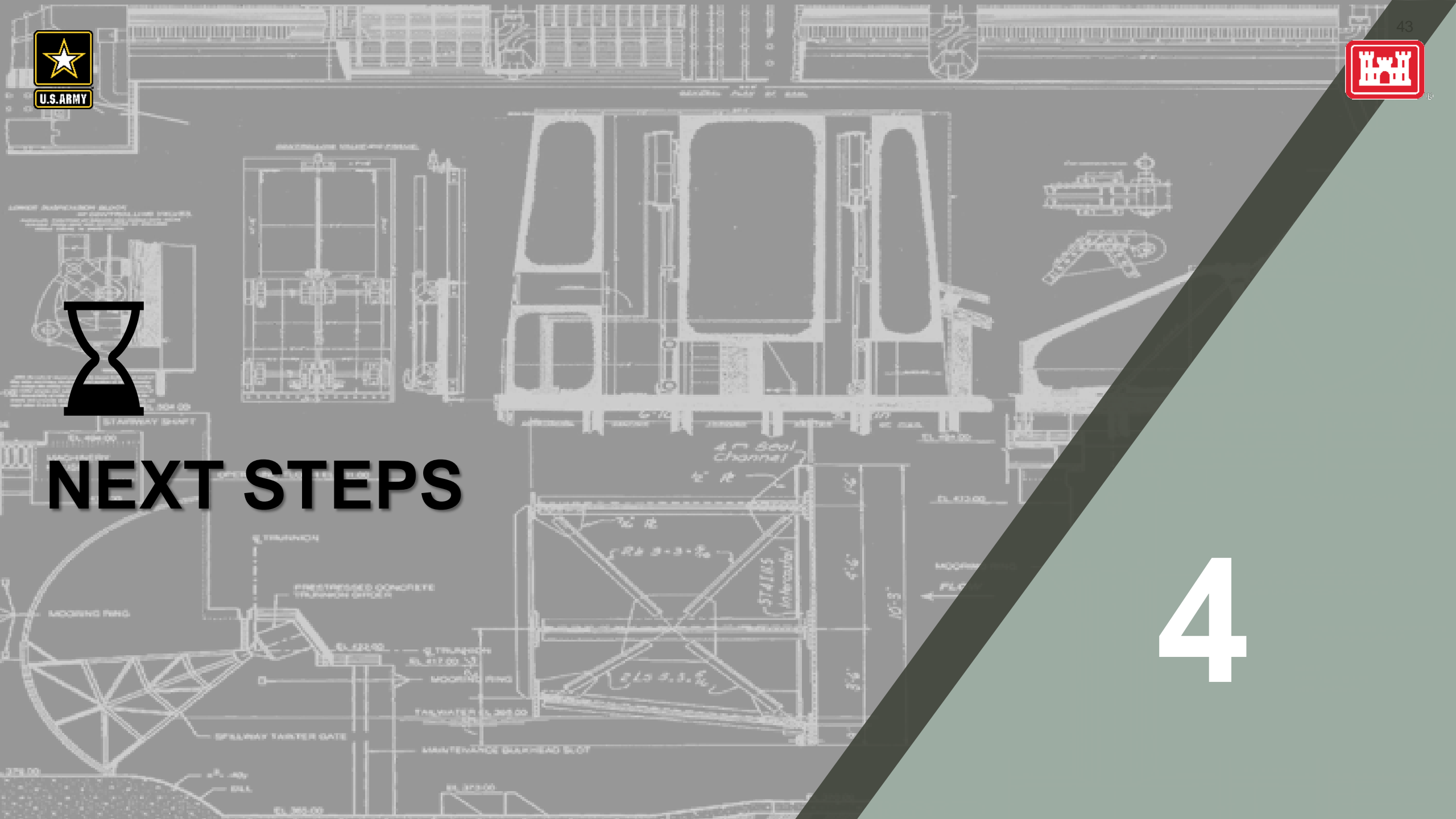


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NEXT STEPS

4



NEXT STEPS



Schedule Next Meeting Tuesdays from 6-8 pm:

- Summer options: June 8, June 15, June 22
- Fall options: September 14, September 21



Continued Progress and Prioritization of Remaining Impacts



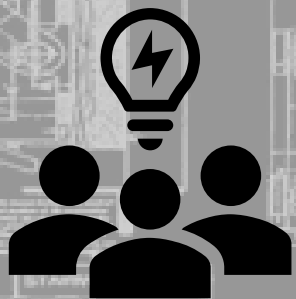
Continued Progress on the Operating Procedures (if needed)



Rescore MMRP Risk and Conduct a Future Remedial Investigation



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QUESTION AND ANSWERS OPEN DISCUSSION

5



THANK YOU



Contact Information

PROJECT MANAGER

Rena Flint



(907) 753-2680



Rena.B.Flint@usace.army.mil

USACE- ALASKA DISTRICT PUBLIC AFFAIRS OFFICE



(907) 753-2520



Public.affairs3@usace.army.mil



<http://www.poa.usace.army.mil/Library/Reports-and-Studies/>. On that webpage, look under "Documents Available for Public Review" and expand the "Environmental Cleanup" link.



SUPPORTING MATERIALS



Draft Nov 17, 2020 RAB MEETING Minutes

Meeting Date: 11/17/2020, 6-8 pm

Memo Date: 2/16/2021

Prepared by: Maggie Poyant

Meeting: Amaknak Formerly Used Defense Sites (FUDS) Virtual Public Meeting

Location: Teleconference

Attendees (Identified by Name)

#	Name	Organization	Telephone
1	Maggie Poyant	Tetra Tech (Tt)	+1 508-971-3313
2	Kendall Campbell	US Army Corps of Engineers (USACE) AK	+1 907-753-5582
3	Tom Reed	USACE AK (Technical Lead)	+1 907-753-5642
4	Rena Flint	USACE AK (PM)	+1 907-753-2680
5	David Munro	Tt	+1 503-358-3021
6	Erik Dahl	Brice Engineering	+1 907-275-2911
7	Col. Damon Delarosa	USACE AK (Commander)	+1 907-201-6519
8	Melinda Brunner	Alaska Department of Environmental Conservation (ADEC)	+1 907-451-2192
9	Chief Jay King	City of Unalaska, Police	+1 907-581-1251 /+1 907-359-5050
10	Thomas Roufos	City of Unalaska, Planning (Associate Planner)	+1 907-581-3100 / troufos@ci.unalaska.ak.us
11	Travis Swangel	City of Unalaska, Historic Preservation Commission and Planning Commission	+1 907-581-3100 / planning@ci.unalaska.ak.us
12	David Gregory	Ounalashka Corporation	+1 907-581-1276
13	Elena Ramirez	Qawalangin Tribe (Operations and Finance Manager)	+1 907- 581-2920 / +1 206-915-2580
14	Alysha Richardson	Qawalangin Tribe (Emergency Response & Community Safety Coordinator)	+1 907- 581-2920
15	Kate Arduser	Qawalangin Tribe (Wellness Program Manager)	+1 907- 581-2920
16	Elise Contreras	Qawalangin Tribe (TRP/NALEMP Coordinator)	+1 907- 581-2920 / +1 907-242-1859

Other Phone #s from Teleconference

+1 907-699-1498 Fairbanks

+1 907-359-6108 Unalaska

+1 907-581-6329 Unalaska

+1 907-359-5252 Unalaska

Meeting Purpose: To present project updates on various projects within the Amaknak FUDS and to discuss the establishment and responsibility of a Restoration Advisory Board (RAB) in the Unalaska community.

Agenda & Notes:

1. Welcome and Introductions
 - a. Colonel Delarosa provided a welcome greeting on behalf of the USACE AK District. Discussed background, history with the USACE, and history with AK District.
 - b. The rest of the project team introduced themselves.
 - c. Melinda Brunner from ADEC introduced herself and the role of ADEC in regulating environmental projects in the state. She filled in for Rachael Petraeus who is the ADEC Project Manager for the Amaknak FUDS.
 - d. Community members introduce themselves and any organization affiliations. (Callers who announced themselves are listed in the Meeting Attendees table on pg. 1.)
 - e. Kendall Campbell explained her role as the Tribal Liaison for USACE AK.
2. Restoration Advisory Board (RAB) Information
 - a. Rena Flint, FUDS PM, started the presentation with maps showing the full boundary of the Amaknak FUDS property and the boundaries of individual projects within the FUDS property
 - i. Dave Gregory (OC) asked why Ugadaga Fire Control Station was not included on the boundary map.
 - ii. Rena explained that is a separate FUDS property and not considered part of the Amaknak FUDS.
 - b. Rena gave an overview of the existing projects at the Amaknak FUDS and what phase of management they are in.
 - c. Rena announced the community had shown interest in forming a RAB regarding the Amaknak FUDS and its ongoing projects.
 - d. Maggie Poyant (Tt) discussed the RAB Assessment conducted in 2019 consisting of public outreach and interviews with local stakeholders and community members.
 - i. 18 individuals were interviewed or submitted questionnaire responses that indicated support for the establishment of a RAB
 - ii. 16 of those individuals also showed interest in volunteering on the RAB.
 - e. Rena discussed the purpose of a RAB is to facilitate effective communication among the USACE team, community members and stakeholders to accomplish environmental projects related to the Amaknak FUDS property.
 - f. Rena discussed RAB members are volunteers who will serve for an allotted period of time (to be determined).
 - g. Rena discussed RAB meetings will be held on a schedule that matches project updates and review or other milestones that are important to the community.
 - h. Rena discussed opportunities to serve on the Amaknak FUDS RAB and asked callers to consider volunteering or passing information to others who might be interested in volunteering.
 - i. Rena briefly reviewed draft Mission and Operation Procedures for the RAB.
 - j. Membership forms are found after the presentation in the meeting materials PDF package.
 - k. Interested parties can contact Rena if they have questions.
3. RAB Question & Answer Session
 - a. Dave Gregory asked: What resources are available to the RAB? In meetings, will RAB need to provide someone to take notes? Will professional engineering/consulting services be available to answer questions for RAB members?
 - i. A: Rena said she and the USACE project team (Tom, Kendall, contractors, etc.) are always available to help clarify publicly available documents and studies.
 - ii. Rena reiterated that the RAB is entirely voluntary, however, so the community members will need to coordinate with USACE if they want certain presentations or subject matter experts available at meetings.

- b. Elena Ramirez asked: Is there an opportunity for a neutral party or independent consultant to present this information, rather than the government or its contractors?
- i. A: Rena states there is a technical support grant available for RABs to look into this type of resource. Rena will provide this information to the RAB members at the first meeting.
 - ii. Tom mentioned a program called Technical Assistance for Public Participation (TAPP), which may be time-limited on when its funds must be used, but can provide community assistance for independent review of environmental or engineering projects.
 1. *The government can provide for independent technical support to a RAB through the Department of Defense TAPP program. There are policies and procedures for evaluating TAPP applications. The process is initiated by the RAB community co-chair and a formal application must be submitted with a proposed project specifying the type of assistance required, project description, potential providers, scope, and estimated costs. The RAB community members must demonstrate that the technical expertise gained through TAPP is not available through another government agency and that it will benefit the community's understanding of environmental restoration activities. The RAB must agree and certify by majority to apply for TAPP before the application can be considered.*
Eligible Activities for TAPP:
 - a. *Interpreting technical documents*
 - b. *Assessing technologies*
 - c. *Participating in relative risk site evaluations*
 - d. *Reviewing health risks*
 - e. *Training*
 2. *Non-Eligible Activities for TAPP*
 - a. *Lawsuits or other legal activities*
 - b. *Political activities or lobbying*
 - c. *Collecting new data samples*
 - d. *Epidemiological testing*
 - e. *Community outreach efforts*
- c. Maggie reminded the attendees that the community members on the RAB have the opportunity to serve as local experts and help prioritize future projects. Information should flow from both the community and from USACE in a successful RAB partnership.
4. The presenters and attendees took a brief break.
5. Project Updates pertaining to Amaknak FUDS (Rena)
- a. USACE has updated the Information Repository at the Unalaska Public Library
 - b. Pre-World War II Tank Farm Groundwater Monitoring completed recently.
 - i. Some wells were sampled, and some were decommissioned to optimize future monitoring events.
 - ii. Covers were installed to prevent access to crawlspace in Building 551.
 - iii. Free product was observed in some wells, but all analyte concentrations were below Decision Document groundwater cleanup levels.
 - iv. Elena Ramirez asked: What is the estimated timeline for unlimited use/unrestricted exposure (UU/UE) status to be reached?
 1. Rena didn't have an exact date or time, but she expected it to be quite a long time. Bunker C oil, the type of contamination on the site, is very sticky and viscous so it is expected to take a long time to naturally attenuate. However, according to monitoring well observations, the product is stable and not

migrating so the current risk level is considered low. Rena to get back to Elena regarding timeframe for UU/UE.

a. The residual contamination in groundwater is expected to attenuate naturally at a decadal rate. Over the course of multiple decades the Bunker C free product will no longer continue to impact groundwater or continue to impact utilities, land development, and other use of the lands at the site at all, i.e. UU/UE.

- v. Thomas Roufos asked: What is the intended pathway for this site to be considered cleaned up or closed out? Also, Rena mentioned that asbestos was a concern for the crawlspace in Building 551. What is the long-term plan to address asbestos, aside from the access covers installed in 2019?
 - 1. Rena stated the remedy for the Bunker C contamination is long-term management and monitoring.
 - 2. Rena stated the crawlspace covers prevent human exposure to the asbestos, but FUDS program does not have the authority to address asbestos in additional remediation.
- vi. Elise Contreras asked: Why were no water samples taken along the shoreline in 2019?
 - 1. Rena stated that the models USACE developed showed a decrease in intensity of potential contamination in that area from the levels documented in 2013, which were already below ADEC thresholds, so it did not make sense for USACE to repeat sampling in that area.
 - 2. Tom reiterated that the USACE team sampled that area for many years and no samples exceeded any water quality standards. Eliminated Total aromatic hydrocarbons (TAH) and Total aqueous hydrocarbons (TAqH) as Contaminants of Concern (COCs).
 - 3. Tom also mentioned that the shoreline is significantly modified from gravel fill so sampling there would not be productive.
 - 4. Rena mentioned that the area is still currently an active maritime/ industrial/ fuel dock site.
- c. Dutch Harbor Vicinity Site Closures/New Projects by Geographic Region
 - i. USACE realigned projects within the ‘Dutch Harbor Vicinity’ site to allow for more effective project management
- d. Interim Risk Management Communication
 - i. Rena reviewed the potential hazards and safety information for Captain’s Dock Chemical Agent Disposal Area and Range Complex No. 1.
 - ii. Rena said mailings have been sent to landowners regarding chemical agents and munitions.
- 6. Next Steps/Discussion/Questions and Answers
 - a. Rena reminded everyone to fill in and return membership forms to her.
 - b. Rena offered three dates for a potential first RAB meeting.
 - i. Thomas Roufos pointed out that 3/9/2021 would be a city council meeting, so other dates would be better.
 - ii. The group tentatively decided on 3/16/2021 to avoid other known local meeting conflicts.
 - iii. Elise asked: Regarding public information and document review by community members, how does USACE plan to actually get that information out into the community? Will there be community outreach or will it be on the Tribe to disseminate that information to others?

1. Rena stated that it is never the Tribe’s responsibility to convey USACE’s information, but she appreciated the Tribe’s cooperation in helping to achieve greater community participation.
 2. Rena ensured that all stakeholders will be contacted about project updates, including landowners, local partners, organizations, Tribes, etc.
- c. Contact Information and Closing Remarks
- i. The project team thanked the community for their participation.
 - ii. Rena shared her contact information for follow-up questions or concerns.

Open House Notes:

Meeting Date:	11/17/2020, 12-3 pm	Memo Date:	12/28/2020
Prepared by:	Maggie Poyant		
Meeting:	Amaknak Formerly Used Defense Sites (FUDS) Virtual Public Meeting		
Location:	Call, Text, or Microsoft Teams Live Chat		

Attendees (Identified by Name)

#	Name	Organization	Telephone
1	Chief Jay King	City of Unalaska, Police	+1 907-581-1251

12:19-12:29 pm: Chief Jay King of Unalaska Police Department, who is new to Unalaska, spoke with Rena.

1. Has FUDS been going on a while?
 - a. Yes, since the 1980s.
2. Downloaded meeting packet.
3. Would like to serve on the RAB. Returned membership form.
4. Chief King has some past experience with military and FUDS.

Other from Microsoft Teams Live Chat:

Rachel (?) joined and left 1:05 pm

Open House Purpose: Drop in to talk to project team members one-on-one or chat in a group forum. Submit questions, comments or concerns.

November 17, 2020
***DRAFT* RAB Operating Procedures**
Amaknak Formerly Used Defense Site
Restoration Advisory Board

- 1. Mission Statement of the Amaknak Formerly Used Defense Site (FUDS) Restoration Advisory Board (RAB).** The Mission of the Amaknak FUDS RAB is to establish and maintain a forum with all Stakeholders for the exchange of information in an open and interactive dialogue concerning the environmental restoration activities at the Amaknak FUDS. The RAB will review technical documents and provide comments and advice to the U.S. Army Corps of Engineers (USACE), Alaska District, on the proposed environmental restoration activities.

- 2. Responsibilities of the RAB.** Responsibilities of the RAB are as follows:
 - a. Provide advice on environmental restoration issues to USACE and regulatory agencies.
 - b. Hold (**Select one: quarterly/ biannual/ annual/ other**) meetings that are open to the public and held at convenient times and locations, normally in the evening.
 - c. Prepare public notices to promote public participation in RAB meetings
 - d. Review, evaluate, and provide comments to the Alaska District, USACE, on documents related to environmental restoration activities.
 - e. Understand site-specific cleanup standards, regulations and guidance documents presented by the Alaska Department of Environmental Conservation (ADEC), and other Federal laws (e.g. RCRA, TSCA) and, where applicable, recommend cleanup levels consistent with planned reuse.
 - f. Recommend priorities among Amaknak FUDS projects.
 - g. Record minutes of RAB meetings and make them available to interested parties.
 - h. Develop RAB mission statement and operating procedures.

- 3. RAB membership should consist of members from the USACE, other Federal, state, or local agencies and the local community. RAB membership should reflect the diversity of the community.**

Community members may be drawn from, but are not limited to, the local community (including residents; various local government agencies; businesses; school districts; local environmental groups (including activist groups); civic/public interest organizations; religious groups; local regulatory agencies; Homeowners Associations; the medical community; the economically disadvantaged; African-American, Native American, Hispanic, and other minority groups; other state and Federal agencies; trustees; and local and tribal governments). Community members will provide information, seek independent technical advice when appropriate and feasible, communicate public concerns to the RAB, and provide information and reports to the public.

- 4. RAB Formation.** General Guidelines applicable to the formation of a RAB are as follows:
 - a. A RAB will consist of 5-10 members.

- b. The Amaknak FUDS RAB is chaired by a USACE representative, typically the USACE Project Manager and one community member.
- c. RAB members will serve a multi-year (**Stipulate: how many years**) term. RAB members may submit an application to serve another term (**Stipulate: not to exceed how many years**) when their first term has been completed. Total service will not exceed (**Stipulate: not to exceed how many years**).
- d. A Community Co-Chair will be elected by the RAB community members. The procedures for conducting this election are specified in paragraph 6 below. The Community Co-Chair will serve a minimum of (**Stipulate: how many years**), with replacement by a simple majority of RAB community members at any regular RAB meeting. Re-election or replacement of the Community Co-Chair will be mandatory every (**Stipulate: how many years**).
- e. Neither the USACE Co-Chair nor other government or regulatory representatives shall participate in the nomination or election of the Community Co-Chair.

5. RAB Meetings. RAB members will comply with the following meetings procedures:

- a. Each community member will have one vote on the RAB's operating procedures during RAB meetings. Minutes of each RAB meeting will be recorded for inclusion in the Administrative Record.
- b. Each RAB member will act individually in discussions, in providing comments on documents, and in providing advice to USACE. The RAB is not an advisory committee, as that term is used in the Federal Advisory Committee Act. All advice will be offered by RAB members as individuals and is not to be construed as "consensus" advice.
- c. Regular, on-time attendance is a requirement for continued RAB membership. The RAB will meet (**Select one: quarterly/ biannually/ annually/ other**). Members are expected to attend every meeting. After a member has missed two meetings without appropriate explanation, the USACE and Community Co-Chairs will send a notice to the member requesting a written explanation of these absences within 14 days and will indicate that after three missed meetings, the RAB will assume that the member is no longer interested and will terminate his or her membership.
- d. Member participation will follow a process similar to that presented in Robert's Rule of Order. An agenda will be followed at RAB meetings, with full and open discussions encouraged. A time for public comments or questions from the public on matters not included in the agenda will be held either at the beginning or near the end of the meeting. An effort should be made to complete the agenda, including public comments and questions, between 6:00 p.m. and 8:00 p.m. A Co-Chair will ask the members for a motion to adjourn and approval of such motion in order to end each meeting.
- e. The RAB will encourage public participation. Co-Chairs, or other designated representatives, will respond to questions raised by the public. If sufficient information is not available to provide an accurate response at the meeting, the issue will be recorded in the meeting transcript. A written response to all issues raised will be provided. The response provided will be an agenda item for discussion at the next regularly scheduled meeting. All public comments will be considered by the RAB and recorded in the meeting transcript.
- f. RAB community members must have prior approval of the RAB before speaking for the RAB during press interviews or other public relations activities.

- g. When a RAB member is unable to participate in RAB meetings, the member should submit a written resignation to a RAB co-chairperson. Resigning members may nominate new members to replace themselves. New members should continue to reflect the diversity of the community.
- h. Disputes within the RAB will be resolved by means of a three-step process. First, the RAB Co-Chairs will attempt to resolve the issue. When these efforts are not successful, an independent facilitator may be brought in to resolve the issue. Disputes which cannot be resolved by the Co-Chairs or a facilitator may be formally presented to the USACE Alaska District Commander for resolution.
- i. A quorum of RAB members must be present in order to hold a RAB meeting. **A quorum is defined as one-third of the community RAB members**, including the Community Co-Chair.

6. Election of Community Co-Chair. The Community Co-Chair will be elected by a majority vote of the community RAB members by a show of hands, or written ballot. Nominations by member or self-nomination are avenues for election to the Community Co-Chair position. The USACE Co-Chair will count the hands or written ballots and announce the results of the nomination and election at the RAB meeting. The Co-Chair elect will assume the position at the next scheduled RAB meeting.

7. RAB Member Responsibilities.

- a. Responsibilities of the USACE Co-Chair are as follows:
 - (1) Coordinate with the Community Co-Chair to prepare and distribute an agenda prior to each RAB meeting.
 - (2) Communicate with all RAB members regarding environmental restoration activities at the Amaknak Formerly Used Defense Site Projects.
 - (3) Publicly announce RAB meetings at least 15 days prior to and will appear in the issue directly preceding the meeting dates.
 - (4) Ensure that USACE participates in an open and constructive manner.
 - (5) Ensure that RAB members are educated and trained regarding their responsibilities as a member of the RAB.
 - (6) Ensure that the RAB is provided access to documents for its review and comment. Ensure that an adequate review period is allowed for the RAB members. Ensure that documents distributed to the RAB are also made available to the public.
 - (7) Maintain a mailing list of interested and affected parties in the environmental restoration activities at the Amaknak Formerly Used Defense Site.
 - (8) Ensure that adequate administrative and technical support is provided to the RAB.
 - (9) Ensure that community issues and concerns related to environmental restoration activities are addressed when raised.
 - (10) Ensure that the RAB is fully informed during all phases of the environmental restoration process and that it has opportunities to participate in advising decision makers before final decisions are made.

- (11) Provide all relevant guidance documents to the RAB to enhance the operation of the RAB.
- (12) Report back to the USACE district and refer issues not related to environmental restoration to appropriate officials for action.

b. Responsibilities of the Community Co-Chair are as follows:

- (1) Coordinate with the USACE Co-Chair and RAB members to prepare an agenda prior to each meeting.
- (2) Coordinate, as required, with the USACE Co-Chair to ensure that RAB questions and concerns are answered in an appropriate and timely manner.
- (3) Encourage open and constructive community participation at RAB meetings.
- (4) Ensure that RAB members are trained regarding their responsibilities as RAB members.
- (5) Communicate with RAB members regarding environmental restoration activities.
- (6) Ensure that community issues and concerns related to environmental restoration are adequately addressed and that relevant information is communicated back to the community.
- (7) Assist in the dissemination of information to the general public.
- (8) Serve without compensation.

c. Responsibilities of RAB community members are as follows:

- (1) Attend RAB meetings as required by the RAB operating procedures.
- (2) Provide advice on environmental restoration activities to decision makers.
- (3) Communicate community interests and concerns to the RAB.
- (4) Serve as a conduit for the flow of information among the community, the USACE district, and other involved Federal, state, and local agencies regarding the environmental restoration issues at the Amaknak Formerly Used Defense Site.
- (5) Review, evaluate, and provide comments on documents related to environmental restoration activities.
- (6) Serve without compensation.

d. Responsibilities of state regulatory agency member(s) are as follows:

- (1) Attend RAB meetings as required by RAB operating procedures.
- (2) Serve as an information, referral, and resource bank for the community, the USACE district, and other involved Federal, state, and local agencies regarding environmental restoration activities at the Amaknak Formerly Used Defense Site.
- (3) Review and provide comments on documents and other materials related to environmental restoration activities.

- (4) Ensure that state environmental standards and regulations are identified and addressed by USACE.
- (5) Facilitate flexible and innovative resolutions of environmental issues and concerns.
- (6) Assist in the training of RAB members.

8. Participation.

- a. The public, including friends, significant others, and associates of the RAB Community members are encouraged to attend meetings as members of the general audience and are encouraged to participate in that capacity.
- b. Meeting agendas will include an opportunity for public comment from the audience subject to reasonable limitation determined by the Co-Chairs. Additional written public comment is strongly encouraged.
- c. General comments, or comments unrelated to the discussion at hand will be withheld until an appropriate time. Meeting agenda will include a specific opportunity to hear potentially wide-ranging general comments.

9. Amendments of RAB Operating Procedures. Amendments to RAB operating procedures may be made with a 51% vote of a quorum of all RAB members. Proposed amendments will be voted on by all RAB members.

Introduction

This guide was prepared to raise awareness of potential chemical hazards that may exist at the former Amaknak Military Facilities property.

The former Amaknak Military Facilities were used from 1911 to 1952. The site consists of the former Dutch Harbor Naval Operating Base and other facilities on Unalaska and Amaknak Islands. Most of the former Amaknak Military Facilities were either decommissioned or declared surplus by 1952. An area known as Captain's Dock Chem Agent Disposal, has been identified through historical research and site visits as having potential chemical hazards. Chemical Agent Identification Sets (CAIS) were found in the waters and intertidal area adjacent to the dock in early 1987. These sets were used by the military to train soldiers to identify chemical agents in the field.

The Captain's Dock Chem Agent Disposal area is a tidal water area located in Captain's Bay, adjacent to the north shore of Unalaska Island, within the City of Unalaska, Alaska. The area is publicly and privately owned, and is used for commercial purposes.

The U.S. Army Corps of Engineers recommends that anyone entering the property or surrounding waters of the Captain's Dock Chem Agent Disposal Area exercise proper precautions and follow the **3Rs – Recognize, Retreat and Report.**



Example of vials from a Chemical Agent Identification Sets (CAIS) kit.

Former Amaknak Military Facilities

For More Information



US Army Corps of Engineers.

The U.S. Army Corps of Engineers is responsible for identifying, investigating and, when necessary, conducting an appropriate response to address contamination and military munitions resulting from past Department of Defense activities at Formerly Used Defense Sites, also referred to as FUDS.

For information about the former Amaknak Military Facilities, contact the FUDS Information Center by calling the toll-free number 1-855-765-FUDS (3837). For general information about the FUDS Program, visit www.fuds.mil.



Visit the U.S. Army's Safety Education website: 3Rs.mil

Chemical Agent Identification Sets Safety Guide

Former Amaknak Military Facilities

**Alaska
Aleutians West**



Captain's Dock Chem Agent Disposal



US Army Corps of Engineers.



An example of ampoules, CAIS storage containers and shipping container

Frequently Asked Questions

Q: What are Chemical Agent Identification Sets (CAIS)?

A: CAIS were used by soldiers to train on chemical agents in the field. These training sets were not designed to be lethal. Things to watch out for include glass vials (whole or broken), and the CAIS storage and shipping containers. The vials are 1 inch in diameter and 7½ inches long, and were individually packed in cardboard tubes inside a heavy metal container.

Q: Where are people likely to encounter CAIS?

A: The vast majority of CAIS was depleted during training; however, some unused CAIS were disposed of by burial. While the U.S. military made every effort to remediate CAIS with the best technologies at the time, potential hazards may remain in the surrounding waters of the Captain's Dock.

Q: What should people do if they think they have encountered CAIS?

A: If you suspect you may have come across a CAIS either in a container or loose vials or bottles, the best way to ensure your safety is to follow the 3Rs: **Recognize** – when you may have encountered CAIS and that the chemicals that CAIS may contain, even



Legend

- FUDS Property Boundary
- FUDS Project Boundary

Amaknak

FUDS Property No: F10AK0841

State: Alaska

Census Area: Aleutians West

Sources: USACE, 2018; Esri, 2019; USCB, 2017

if solidified, can cause serious injury; **R**etreat – do not touch, move or disturb it, but carefully leave the area; and **R**eport – call **911** and advise the police of what you saw and where you saw it.

Q: What will be done next?

A: The U.S. Army Corps of Engineers will make safety education material that is based on the 3Rs available to the landowners and the community. Additionally, it will coordinate with the landowners as it plans required response activities.

Q: Where can I get more information?

A: For more information, call the Formerly Used Defense Sites Information Center toll-free number 1-855-765-FUDS (3837). Additional information can be found by searching on the property name, Amaknak, in the Geographic Information System tool on the Formerly Used Defense Sites website at www.fuds.mil.

Follow the 3Rs

Recognize

when you may have encountered CAIS and that the chemicals that CAIS may contain, even if solidified, can cause serious injury.

Retreat

do not touch, move or disturb it, but carefully leave the area.

Report

call 911 and advise the police of what you saw and where you saw it.

Introduction

The purpose of this guide is to provide information about the military training activities that took place at the former Amaknak Military Facilities and to raise awareness of the explosive hazards that may exist at the range.

The former Amaknak Military Facilities were used from 1911 to 1952 for a variety of military activities. The site consists of the former Dutch Harbor Naval Operating Base and other facilities on Unalaska and Amaknak Islands. The U.S. Navy first established a communication facility in 1911 and a weather station in 1939. By 1942, the Navy had constructed a port and submarine and seaplane bases. During this same time, the U.S. Army built air and coastal artillery defense sites and support facilities. Most of the former Amaknak Military Facilities were either decommissioned or declared surplus by 1952. An area of the former Amaknak Military Facilities, known as Range Complex No. 1, has been identified through historical research and site visits as having potential explosive hazards. The munitions known or suspected to have been used at the property include medium caliber munitions and small arms ammunition.

Range Complex No. 1 is located on and in the surrounding waters of Unalaska Island in the Aleutian Islands chain of Alaska. The land is publicly and privately owned, and is used for commercial fishing, and residential and industrial purposes.

Because explosive hazards associated with military munitions from past military activities may remain on and in the surrounding waters of Range Complex No. 1, the U.S. Army Corps of Engineers recommends that landowners and visitors follow the **3Rs of Explosives Safety – Recognize, Retreat and Report.**



An example of a medium caliber munition

Former Amaknak Military Facilities

For More Information



US Army Corps of Engineers.

The U.S. Army Corps of Engineers is responsible for identifying, investigating and, when necessary, conducting an appropriate response to address contamination and military munitions resulting from past Department of Defense activities at Formerly Used Defense Sites, also referred to as FUDS.

For information about the former Amaknak Military Facilities, contact the FUDS Information Center by calling the toll-free number 1-855-765-FUDS (3837). For general information about the FUDS Program, visit www.fuds.mil.

Follow the 3Rs of Explosives Safety

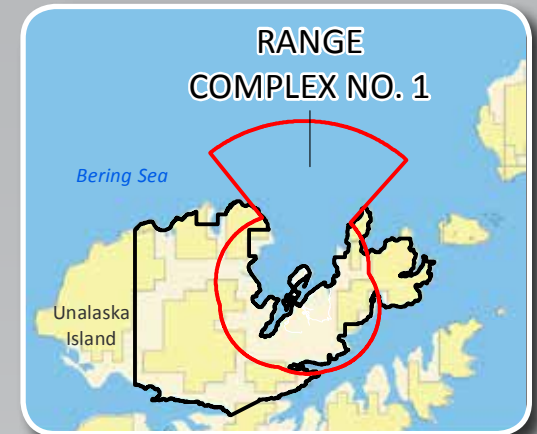


Visit the U.S. Army's Explosives Safety Education website:
3Rs.mil

3Rs Safety Guide

Former Amaknak Military Facilities

**Alaska
Aleutians West**



Range Complex No. 1

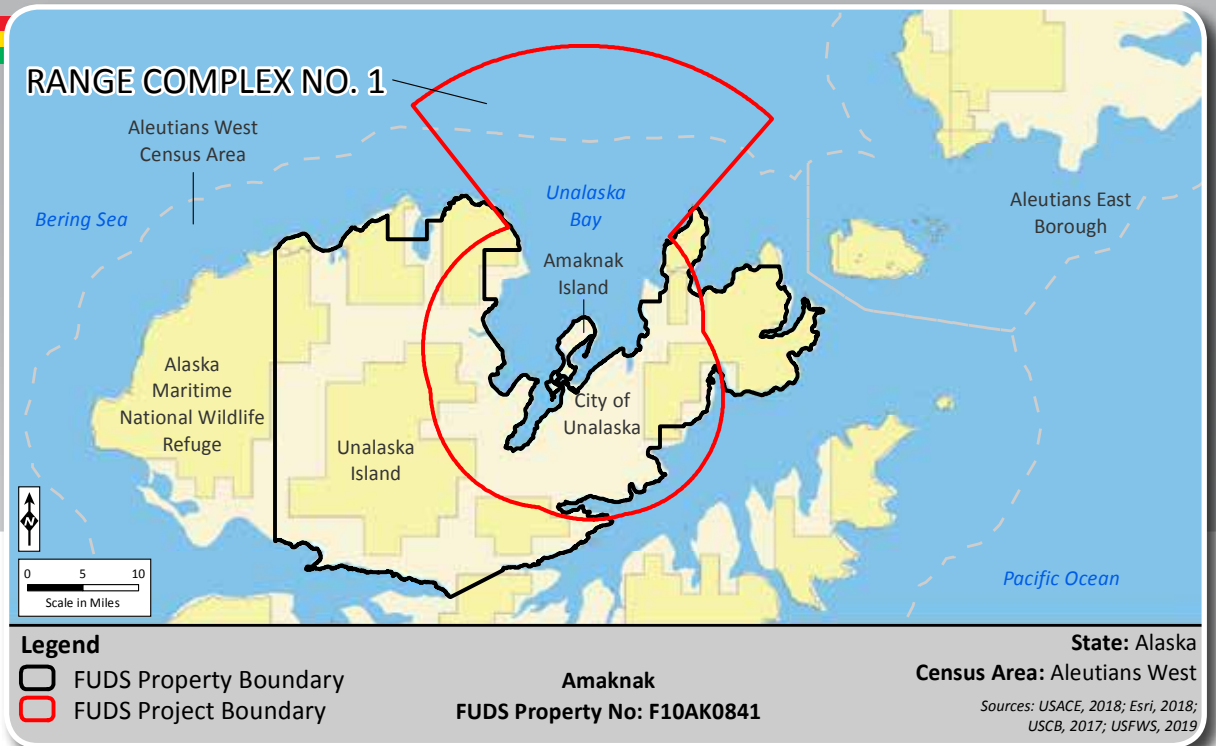


US Army Corps of Engineers.



Source: Library of Congress

Headquarters area of the former Naval Operating Base at Dutch Harbor, Unalaska Island, Alaska



Frequently Asked Questions

Q: What types of potential hazards exist?

A: Military munitions, such as medium caliber munitions and small arms ammunition, were potentially used at the former Amaknak Military Facilities. The U.S. Army Corps of Engineers is unable to rule out the presence of munitions that may pose an explosive hazard.

Q: What do I do if I suspect I may have come across a military munition?

A: If you suspect you may have come across a military munition, the best way to ensure your safety is to follow the 3Rs of Explosives Safety: **R**ecognize – when you may have encountered a munition and that munitions are dangerous; **R**etreat – do not approach, touch, move or disturb it, but carefully leave the area; and **R**eport – call **911** and advise the police of what you saw and where you saw it.

Q: What are the findings of the work that the government has completed?

A: Historical research and site inspections indicate that military munitions were potentially used at these ranges, and some munitions may

remain on the property and in the surrounding waters of Range Complex No. 1. The U.S. Army Corps of Engineers has determined that further investigation is required for Range Complex No. 1 at the former Amaknak Military Facilities.

Q: What will be done next?

A: The U.S. Army Corps of Engineers will make explosives safety education material that is based on the 3Rs available to landowners and the community. Additionally, it will coordinate with landowners as it plans required response activities.

Q: Where can I get more information?

A: For more information, call the Formerly Used Defense Sites Information Center toll-free number 1-855-765-FUDS (3837). Additional information can be found by searching on the property name, Amaknak, in the Geographic Information System tool on the Formerly Used Defense Sites website at www.fuds.mil.

Follow the 3Rs of Explosives Safety

Recognize

when you may have encountered a munition and that munitions are dangerous.

Retreat

do not approach, touch, move or disturb it, but carefully leave the area.

Report

call 911 and advise the police of what you saw and where you saw it.



PUBLIC NOTICE



Amaknak Formerly Used Defense Site (FUDS) virtual Restoration Advisory Board and Public Meeting March 16, 2021

The U.S. Army Corps of Engineers, Alaska District, is hosting the spring virtual Restoration Advisory Board (RAB) meeting and public meeting to discuss environmental updates pertaining to the Amaknak FUDS in Unalaska.

In addition to the teleconference RAB meeting, project team members will be available for one-on-one live chat discussions with community members on **Tuesday, March 16** from 12:00pm - 2:00pm. Please visit amaknakrab.com to chat or (907) 201-3108 to text or call.

The meeting presentation and handouts will be available by **March 10** on the project website at <https://www.poa.usace.army.mil/Library/reports-and-Studies> (under the "Documents Available for Review" section, under "Environmental Cleanup"), the online open house at amaknakrab.com, the Unalaska Public Library, and upon request by emailing Rena.B.Flint@usace.army.mil or calling (907) 201-3108.



Public Meeting

Tuesday, March 16, 2021
6:00pm to 8:00pm
Teleconference Call:
(855) 756-7520
Access Code: 71984#



Online Open House/ Live Chat

Tuesday, March 16, 2021
12:00pm to 2:00pm
Visit and chat: amaknakrab.com
Text or call: 907-201-3108



Contact Information

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FUDS Project Manager
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