Qawalangin (regional) Formerly Used Defense Sites (FUDS) Restoration Advisory Board (RAB) Meeting

Amaknak, Chernofski, Cape Wislow, Fort Learnard, and Ugadaga Bay FUDS
6:00-8:00 PM
Tuesday, August 27, 2024

Unalaska Public Library
64 Eleanor St, Unalaska, AK 99685

Join by Browser:
https://dod.teams.microsoft.us/l/meetup-join/19%3adod%3ameeting_28120349cdc449a480a83e2db9e0e22b%40thread.v2/0?context=%7b%22Tid%22%3a%22fc4d76ba-f17c-4c50-b9a7-8f3163d27582%22%2c%22Oid%22%3a%220289c6fc-c844-4e67-bb98-1b5888dc2530%22%7d

Meeting ID: 993 955 422 747
Passcode: aAFzQf

Join by Phone
+1 601-262-2433
Phone conference ID: 797 380 310#

Trouble connecting?
Message USACE on Facebook (search 'Alaska District, U.S. Army Corps of Engineers')
Or, call co-host, Cameron McLeod, 907-310-2027

AGENDA

1. 6:00 – 6:15 Welcome and Introductions
   a. Opening Remarks
   b. Roll Call/Quorum

☐	James T Paulin
☐	Elise Contreras, Community Co-Chair
☐	Okalena Patricia Lekanoff Gregory
☐	Kale Bruner
☐	David M Gregory
☐	Michael Tutiakoff
☐	Ben Leon-Guerrero
☐	Ellis Berry, Community Co-Chair
☐	Taylor Borgfeldt, USACE Co-Chair

2. 6:15 – 6:30 Local Updates / Community Introductions
3. 6:30 – 6:35 Revise / Adopt May 13, 2024 Minutes
4. 6:35 – 6:40 RAB Operating Procedures – Revised May 13, 2024
5. 6:40 – 6:50 Action Item Review

Qawalangin (regional) Formerly Used Defense Sites (FUDS) Restoration Advisory Board (RAB) Meeting

Amaknak, Chernofski, Cape Wislow, Fort Learnard, and Ugadaga Bay FUDS
6:00-8:00 PM
Tuesday, August 27, 2024

6. 6:50 – 7:00 Poll Results Review
    a. Poll 1: Amaknak FUDS Project Community Priority Ranking.
    b. Poll 2: Which FUDS Property would you like to hear more about?
    c. Poll 3: What topics are you interested in for the next RAB Meeting?
7. 7:00 – 7:05 Break
8. 7:05 – 7:25 2022 Chernofski Field Work Overview
9. 7:25 – 7:45 Summer Bay-Humpy Cove / Little South America Project Update
10. 7:45 – 7:50 Next Meeting Date
    a. Next RAB Meeting: Hybrid (In-person and Virtual), November (Tuesday or Wednesday)
        1. November 5, 6, 12, or 13
        2. Keep in mind:
            - 4th week of every month City Council, OC Board, and Q Tribe Council meetings
            - Thanksgiving or other Holidays
11. 7:50 – 7:55 Action Item Review
12. 7:55 – 8:00 Open Discussion
    a. Recap of Old Business
    b. Upcoming Opportunities For Participation
13. 8:00 Closing Remarks, Adjourn

Qawalangin (regional) Formerly Used Defense Sites (FUDS) Restoration Advisory Board (RAB) Meeting

Amaknak, Chernofski, Cape Wislow, Fort Learnard, and Ugadaga Bay FUDS
6:00-8:00 PM
Tuesday, August 27, 2024

Qawalangin FUDS Contact Information

Chernofski FUDS
Melinda Brunner, USACE Project Manager
(907) 753-2855, Melinda.S.Brunner@usace.army.mil

Cape Wislow FUDS
Forrest Kranda, USACE Project Manager/Archaeologist
(907) 753-2736, Forrest.J.Kranda@usace.army.mil

Fort Learnard FUDS
Jeremy Craner, USACE Project Manager
(907) 753-2628, Jeremy.D.Craner@usace.army.mil

Amaknak FUDS, Ugadaga Bay FUDS, and Qawalangin RAB Co-chair
Taylor Borgfeldt, USACE Project Manager
(907) 753-2798, Taylor.M.Borgfeldt@usace.army.mil

U.S. Army Corps of Engineers – Alaska District
Public Affairs Office
(907) 753-2520, Public.affairs3@usace.army.mil

QAWALANGIN (REGIONAL) FORMERLY USED DEFENSE SITES (FUDS) RESTORATION ADVISORY BOARD (RAB) MEETING

Amaknak, Chernofski, Cape Wislow, Fort Learnard, and Ugadaga Bay FUDS

Date: 27 August 2024

U.S. ARMY

US Army Corps of Engineers®

AGENDA

U.S. ARMY

1. Welcome and Introductions
2. Local Updates / Community Introductions
3. Revise / Adopt Minutes
4. RAB Operating Procedures
5. Action Item Review (old)
6. Poll Results Review
7. 5 Minute Break
8. 2022 Chernofski Field Work Overview
9. Summer Bay-Humpy Cove / Little South America Project Update
10. Next Meeting Date
11. Action Item Review (new)
12. Open Discussion
13. Closing Remarks

6:00-6:15 WELCOME AND INTRODUCTIONS

RAB Roll Call

- ❑ James T Paulin
- ❑ Okalena Patricia Lekanoff Gregory
- ❑ David M Gregory
- ❑ Kale Bruner
- ❑ Michael Tutiakoff
- ❑ Ben Leon-Guerrero
- ❑ Elisa Contreras, Community Co-Chair
- ❑ Ellis Berry, Community Co-Chair
- ❑ Taylor Borgfeldt, USACE Co-Chair

U.S. ARMY

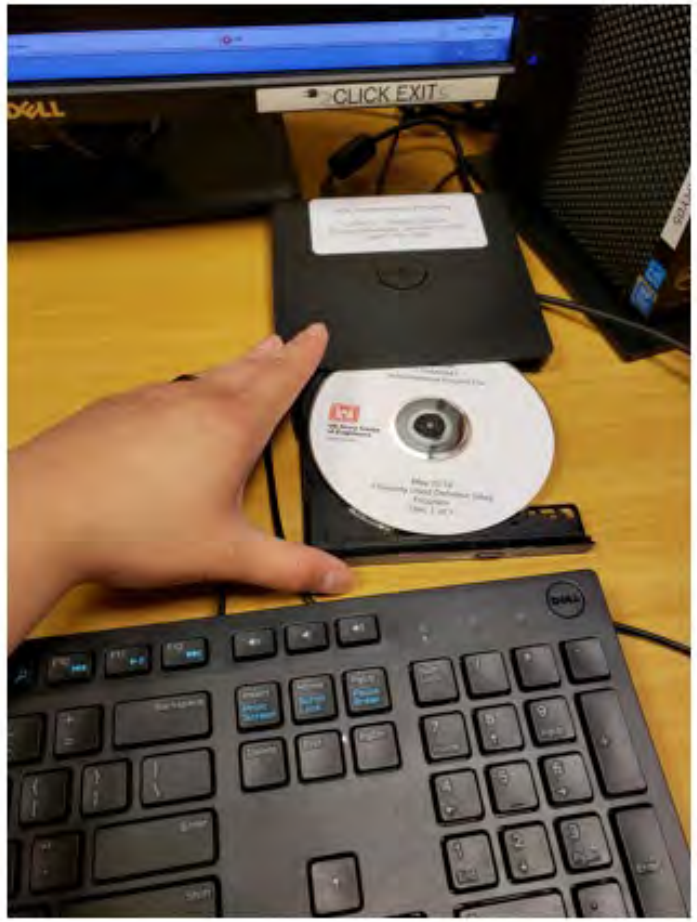
6:15-6:30

LOCAL UPDATES

COMMUNITY INTRODUCTIONS

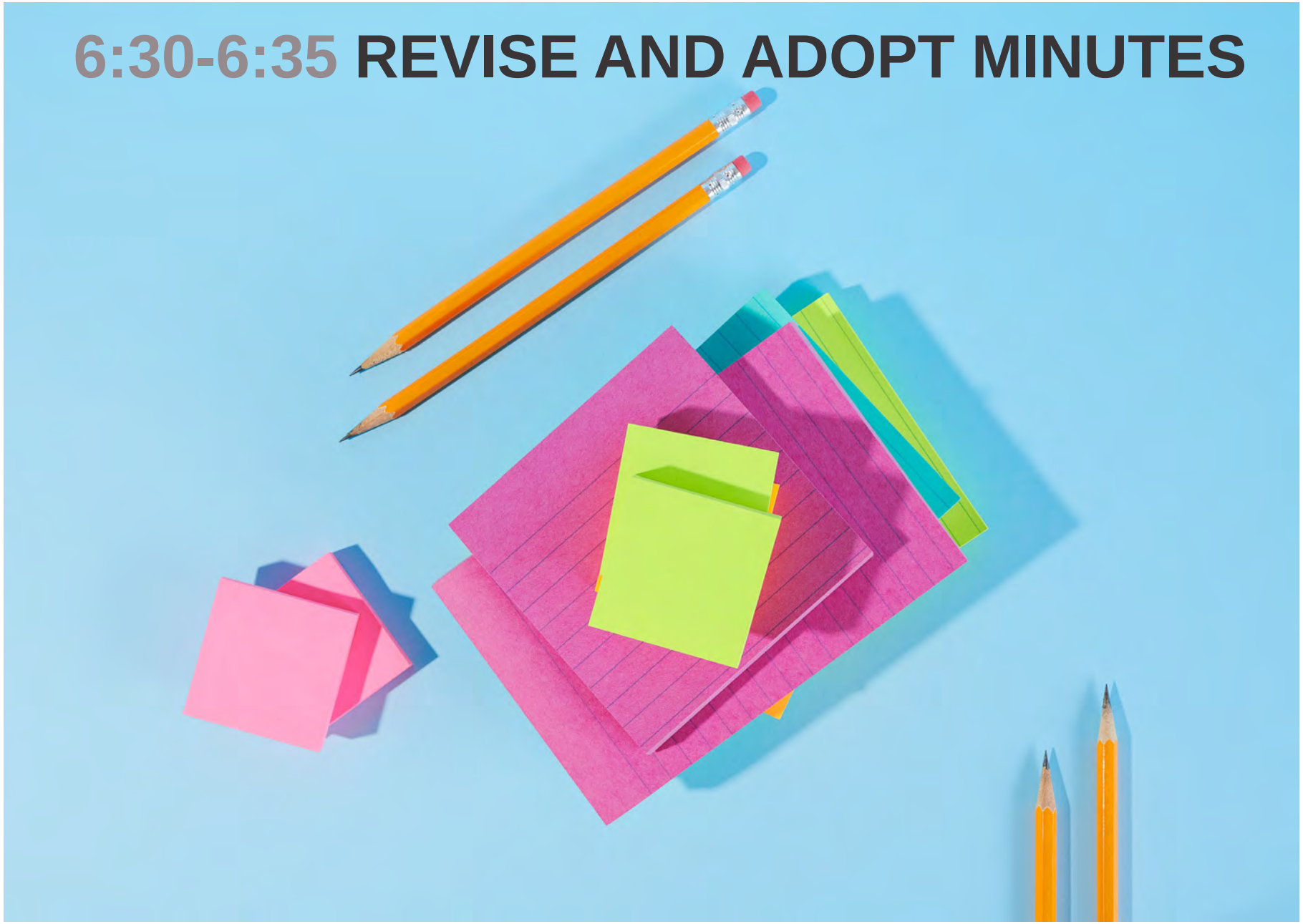
PUBLIC COMMENT

INFORMATION REPOSITORY REFRESH



U.S. ARMY

6:30-6:35 REVISE AND ADOPT MINUTES



6:35-6:40 RAB OPERATING PROCEDURES – REVISED MAY 13, 2024

No change	Keep **RAB Meetings quarterly** as specified in the Operating Procedures.
No change	**Do not specify the day of the week** to hold the meetings in RAB Operating Procedures.
No change	**Do not revise the number of community chairs** in RAB Operating Procedures.
Revised.	Ellis Berry and Elise Contreras are community RAB Chairs.
Revised.	Replace “will terminate” to “may terminate” in 5.c of the Operating Procedures. Absent members were not replaced.
Adopt?	RAB members will serve a 3-year term**, except for the youth seat which has a 1-year term.**

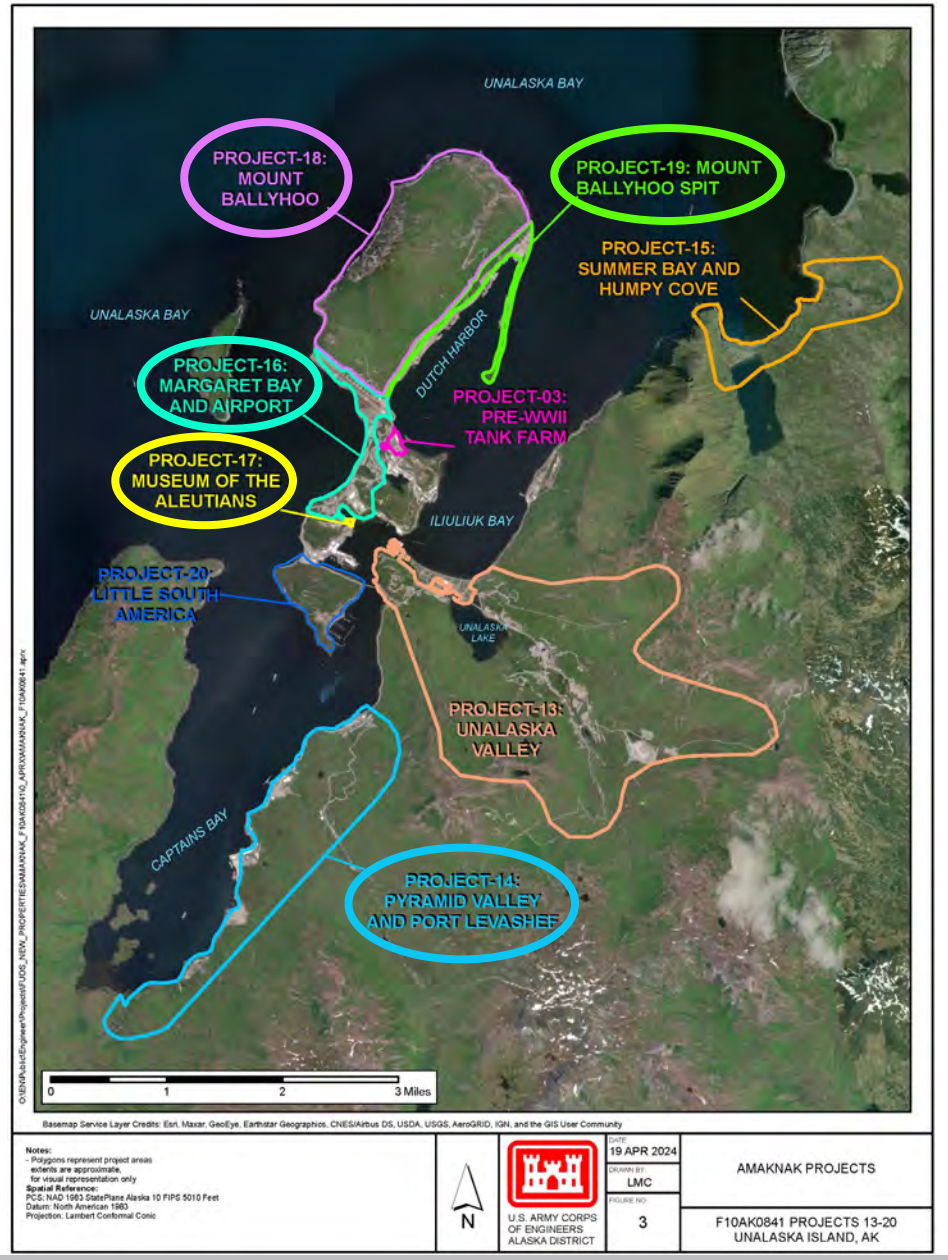
6:40-6:50 ACTION ITEM REVIEW – MAY 13, 2024 MEETING

Action Item Tracker		
Action	**Owner**	**Status**
Melinda will reach out to Ellis about turnaround time at other similar sites on the Aleutians if investigations find additional contamination.	Melinda Brunner	Closed
Forrest will reach out to Sarah Bernhardt to figure out who the DEC site manager is.	Forrest Kranda	Closed
Taylor will reach out to Ellis about excavating soil and his concern about it interacting with groundwater at Humpy Cove.	Taylor Borgfeldt	Closed
Co-chairs to discuss advertisement of seat.	All RAB chairs	Closed
Co-chairs to discuss revising the youth seat term from one (1) year instead of three (3) years.	All RAB chairs	Closed
Melinda to send Art the Chernofski map with contaminated sites	Melinda Brunner	Closed
Dave to send Karen (APIA) the presentation and any reports on Strawberry Hill	David Holmes (Santec)	Open

6:50-7:00 MAY 13, 2024 POLL RESULTS REVIEW

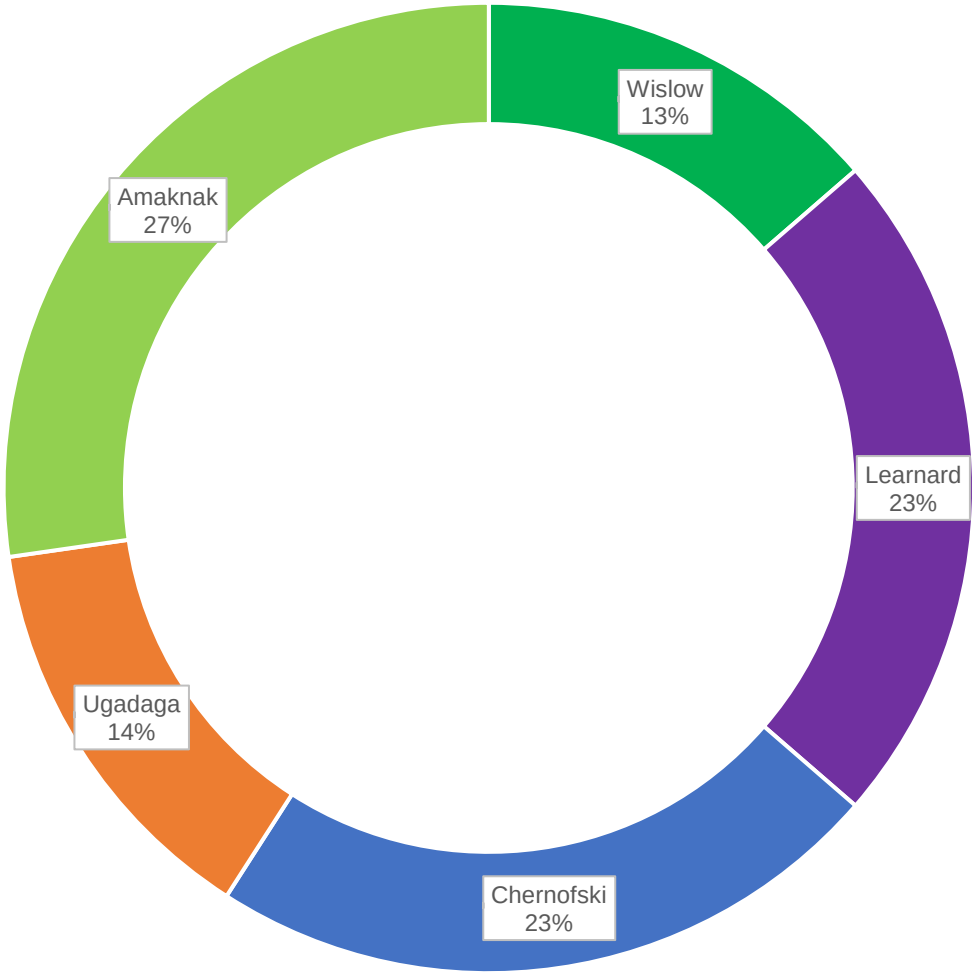
Poll 1:
Amaknak FUDS Projects - Community's Priority Ranking

Project Number	Amaknak FUDS Project	Community Priority
19	Ballyhoo Spit	1st and 2nd
16	Margaret Bay/Airport	1st and 2nd
14	Pyramid Valley/Port Levashef	3rd
18	Mt Ballyhoo	4th
17	Museum of the Aleutians	5th



6:50-7:00 MAY 13, 2024 POLL RESULTS REVIEW

Poll 2:
Which FUDS Property would you like to hear more about?



6:50-7:00 MAY 13, 2024 POLL RESULTS REVIEW

Poll 3:
What topics are you interested in for the next RAB Meeting?

	In Person	Virtual	**Total Votes**
Project briefings	4	4	**8**
In-depth 3Rs training or guest speaker for 3Rs	6	2	**8**
Overview of the FUDS environmental process	5	1	**6**
In-depth technical presentation on a particular property/project	3	2	5
In-depth archaeology presentation on a particular property/project	2	3	5
Walk-throughs of project reports out for comment or recently finalized	1	3	4

U.S. ARMY

5 MINUTE BREAK

2022 CHERNOFSKI HARBOR SUPPLY & STORAGE FIELD WORK OVERVIEW

DATE: 27 AUGUST 2024

Melinda Brunner
Project Manager
Telephone: 907-753-2855
Email: Melinda.S.Brunner@usace.army.mil

U.S. ARMY

US Army Corps of Engineers®

2022 REMOVAL ACTIONS & INVESTIGATIONS

WHAT: "Final Removal Actions and Investigations Report, Chernofski Harbor Formerly Used Defense Site F10AK0013, Unalaska Island, Alaska, Volumes I, II and III," dated February 2024.

- Available at the Unalaska Public Library
- Available by request to the USACE project manager

WHEN: Describes field efforts at Chernofski in April – August 2022.

WHO: Field efforts included USACE staff, USACE's contractor Brice.

WHY: Document investigation of soil, sediment, groundwater, porewater, and surface water. Document removal of contaminated soil at select locations. This report also briefly discusses the archeological monitoring conducted during contamination investigation/removal.

U.S. ARMY

EQUIPMENT & PEOPLE

GROUNDWATER INVESTIGATIONS

- 37 groundwater monitoring wells installed using direct push drill rig, of those wells 24 permanent.
- 414 gallons of water treated

- In and out slug tests performed to evaluate hydraulic conductivity.
- Transducers installed in wells to measure changes in barometric pressure. Information used to determine changes in water level over time, and direction of flow.
- Groundwater samples that exceeded project screening levels at investigation sites:
  - 22CH-P09-PA091-MW03 - 1,150 micrograms/liter residual range organics (RRO)
  - 22CH-P08-MW03 - 4.7 micrograms/liter naphthalene
  - All other groundwater sample concentrations were non-detect or below the screening levels.

U.S. ARMY

REMOVAL ACTIONS AND INVESTIGATIONS REPORT
CHERNOFSKI HARBOR SUPPLY AND STORAGE
FORMERLY USED DEFENSE SITE F10AK0013
CHERNOFSKI HARBOR, UNALASKA, ALASKA

GROUNDWATER FLOW, TRANSDUCER, AND SLUG TEST LOCATIONS - PROJECT 08 MONITORING WELLS

Legend

- Monitoring Well With Transducer Data Collected
- Monitoring Well With Slug Testing Conducted and Transducer Data Collected
- Monitoring Well With No Slug Testing Conducted or Transducer Data Collected
- Approximate Groundwater Flow Direction
- Groundwater Elevation Contour
- Access Road

Notes

1. Groundwater elevations denoted in **Blue** Bold Text at each monitoring well and groundwater contour are provided in NAVD88 datum respectively.
2. Groundwater contours are derived from a Project 08 and Project 09 monitoring well gauging event conducted during low-tide from 1700 to 1900 on 18 August 2022. The Project 03 monitoring well 22CH-WHR29-MW01 was not gauged during this timeframe and is therefore excluded from the groundwater contours.

References

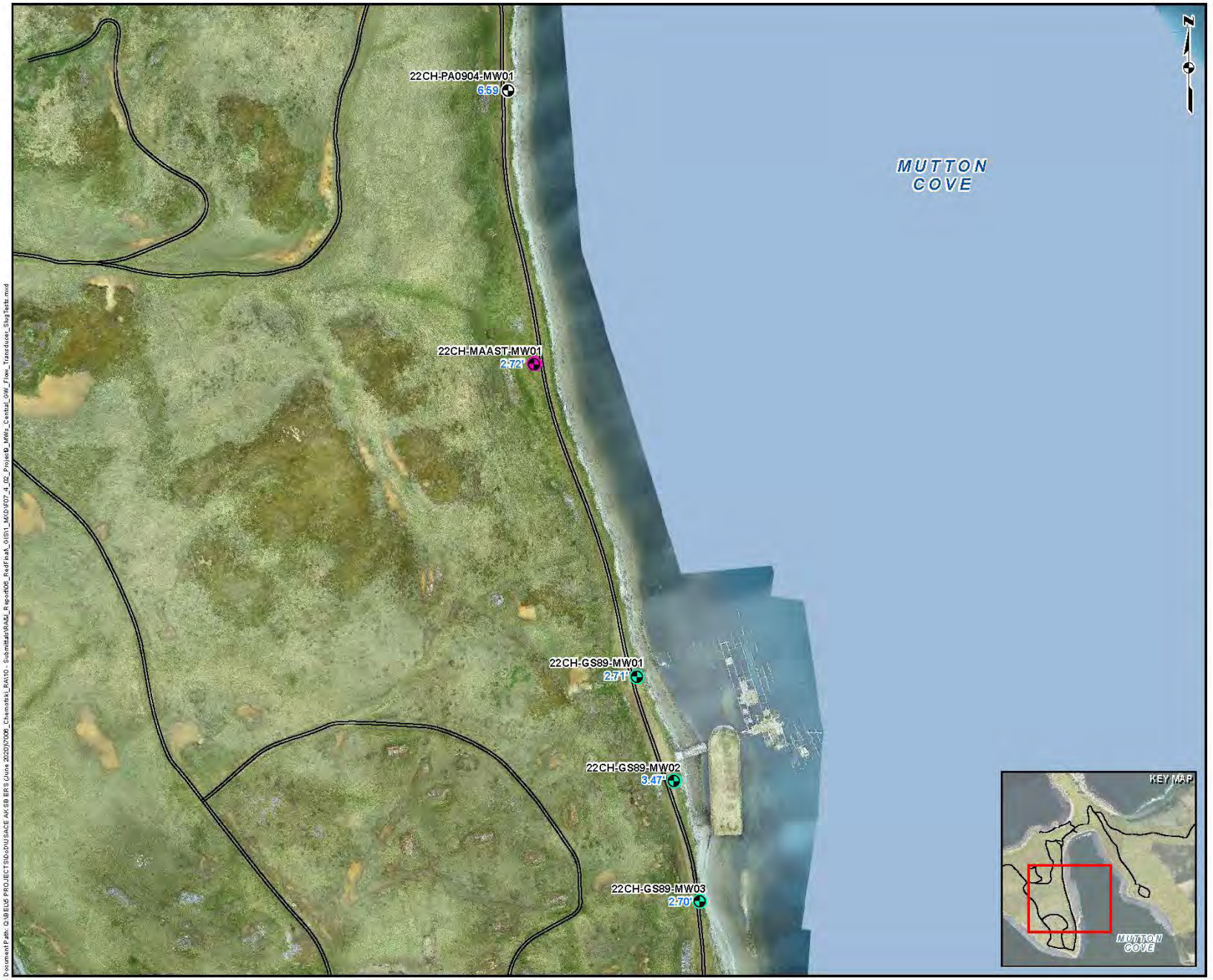
1. Imagery source: Orthomosaic generated using multi-ray digital photogrammetric processing, from Unmanned Aerial Vehicle imagery acquired by Brice Engineering, LLC on 14 June 2022. Image has a 0.03668 ft resolution. Ground sample distance and constrained to ground control measured with real-time kinematic global navigation satellite system equipment.
2. Map produced using ESRI ArcMap v.10.7.
3. Monitoring well locations were collected with real-time kinematic surveying methods by Brice Engineering, LLC on 16 June and 20 June 2022. Elevation for the monitoring wells is based on differential leveling.

NAD83 UTM ZONE 3N
HORIZONAL DATUM: NAD83 | VERTICAL DATUM: NAVD88

70 35 0 70 140
SCALE IN FEET

PROJECT No.: F10AK0013	DATE: 2/9/2024	FIGURE:
P.M.: E.D.	DRAWN: CMH	7.4-1

U.S. ARMY



REMOVAL ACTIONS AND INVESTIGATIONS REPORT
CHERNOFSKI HARBOR SUPPLY AND STORAGE
FORMERLY USED DEFENSE SITE F10AK0013
CHERNOFSKI HARBOR, UNALASKA, ALASKA

GROUNDWATER FLOW, TRANSDUCER, AND SLUG TEST LOCATIONS - PROJECT 09 MONITORING WELLS (CENTRAL)

Legend

- Monitoring Well With Transducer Data
- Monitoring Well With Slug Testing
- Monitoring Well With Slug Testing Conducted and Transducer Data Collected
- Access Road

Notes

1. Groundwater elevation contours are not shown due to strong tidal influence and dynamic flow directions in the for Project 09 area.
2. Groundwater elevations are derived from a Project 08 and Project 09 monitoring well gauging event conducted during low-tide from 1700 to 1900 on 18 August 2022.
3. Groundwater elevations denoted in **Blue** Bold Text at each monitoring are provided in NAVD88 datum respectively.

References

1. Imagery source: Orthomosaic generated using multi-ray digital photogrammetric processing, from Unmanned Aerial Vehicle imagery acquired by Brice Engineering, LLC on 14 June 2022. Image has a 0.03668 ft resolution. Ground sample distance and constrained to ground control measured with real-time kinematic global navigation satellite system equipment.
2. Map produced using ESRI ArcMap v.10.7.
3. Monitoring well locations were collected with real-time kinematic surveying methods by Brice Engineering, LLC on 15 June and 19 June 2022. Elevation for the monitoring wells is based on differential leveling.

NAD83 UTM ZONE 3N
HORIZONAL DATUM: NAD83 | VERTICAL DATUM: NAVD88

220 110 0 220 440
SCALE IN FEET

PROJECT No.:	DATE:	FIGURE:
F10AK0013	2/9/2024	7.4-2
P.M.: E.D.	DRAWN: CMH	

Document Path: G:\BEUS PROJECTS\DoD\USACE AK\SB ERS (June 2020)\006_Chernofski_RA\10 - Submittals\RA&IL Report\06_Rev\Final_01\01_MXD\07_4_02_Project\D_MW's_Central_GW_Flow_Transducer_SlugTests.mxd

U.S. ARMY

REMOVAL ACTIONS AND INVESTIGATIONS REPORT
CHERNOFSKI HARBOR SUPPLY AND STORAGE
FORMERLY USED DEFENSE SITE F10AK0013
CHERNOFSKI HARBOR, UNALASKA, ALASKA

GROUNDWATER FLOW, TRANSDUCER, AND SLUG TEST LOCATIONS - PROJECT 09 MONITORING WELLS (SOUTH SIDE)

Legend

- Monitoring Well With Transducer Data
- Monitoring Well With Slug Testing Conducted and Transducer Data Collected
- Access Road

Notes

1. Groundwater elevation contours are not shown due to strong tidal influence and dynamic flow directions in the for Project 09 area.
2. Groundwater elevations are derived from a Project 08 and Project 09 monitoring well gauging event conducted during low-tide from 1700 to 1900 on 18 August 2022.
3. Groundwater elevations denoted in **Blue** Bold Text at each monitoring are provided in NAVD88 datum respectively.

References

1. Imagery source: Orthomosaic generated using multi-ray digital photogrammetric processing, from Unmanned Aerial Vehicle imagery acquired by Brice Engineering, LLC on 14 June 2022. Image has a 0.03668 ft resolution. Ground sample distance and constrained to ground control measured with real-time kinematic global navigation satellite system equipment.
2. Map produced using ESRI ArcMap v.10.7.
3. Monitoring well locations were collected with real-time kinematic surveying methods by Brice Engineering, LLC on 15 June and 19 June 2022. Elevation for the monitoring wells is based on differential leveling.

NAD83 UTM ZONE 3N
HORIZONAL DATUM: NAD83 | VERTICAL DATUM: NAVD88

140 70 0 140 280
SCALE IN FEET

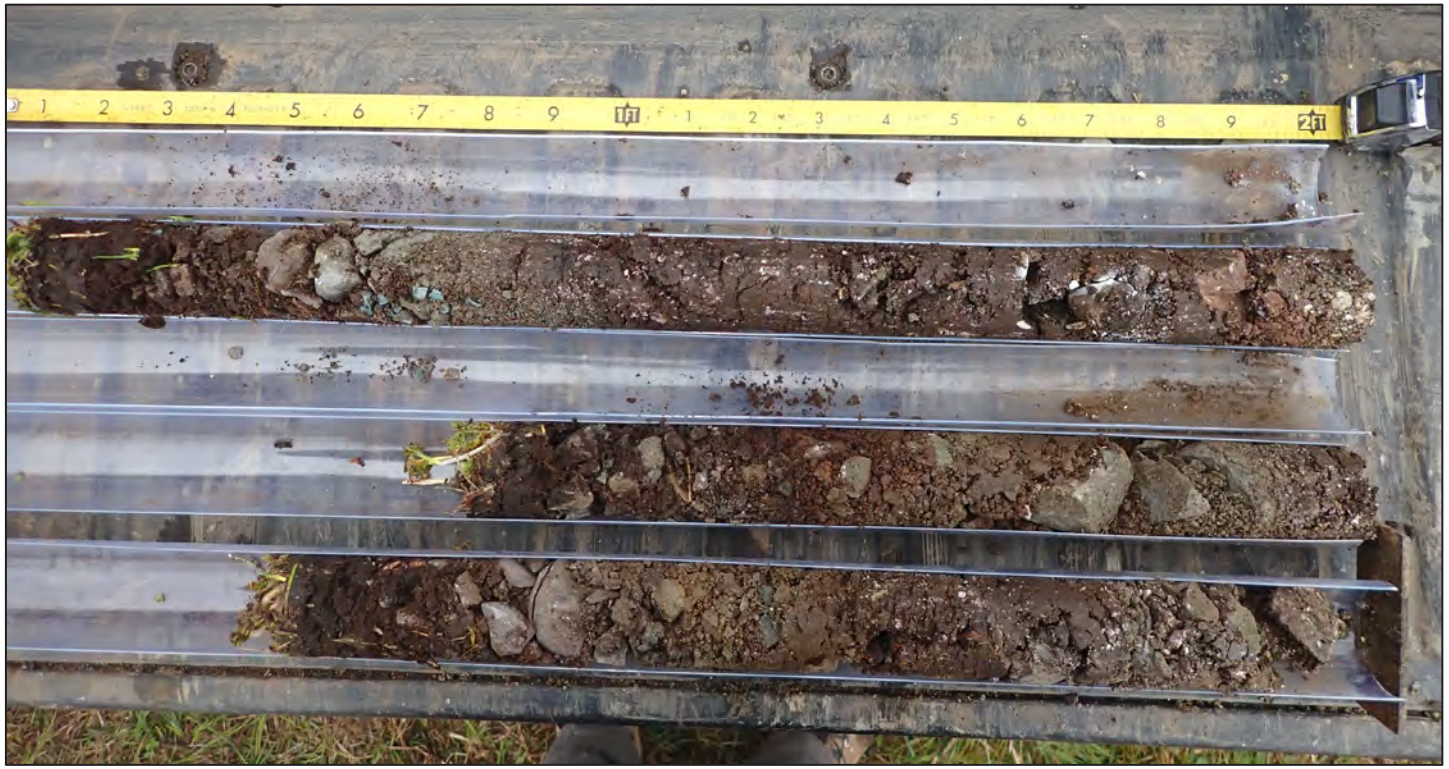
PROJECT No.:	DATE:	FIGURE:
F10AK0013	2/8/2024	7.4-3
P.M.: E.D.	DRAWN: CMH	

Document Path: O:\BELIS PROJECTS\DU\NUSACE AK\SB ER 5 (June 2020)\7006_Chernofski_RA\10 Submittals\RA&I Report\06_RedFinal_01\51_MXD\07_4_03_Project 9_MW's_South_GW_Flow_Transducer_SlugTests.mxd

U.S. ARMY

SOIL INVESTIGATIONS

- Direct push drill rig used to take 253 ultraviolet optical screening tool (UVOST) readings.
- Direct push drill rig used to take 199 soil cores from locations with highest UVOST readings, locations identified in the work plan, and locations based on field observation.
- Soil borings were advanced to average depth of 8.4’ feet below ground surface (bgs), with a maximum of 24 feet bgs.
- Soil samples taken to investigate nature and extent of contamination, and to determine if removal actions got all contamination below the screening levels.



REMOVAL ACTIONS AND INVESTIGATIONS REPORT
CHERNOFSKI HARBOR SUPPLY AND STORAGE
FORMERLY USED DEFENSE SITE F10AK0013
CHERNOFSKI HARBOR, UNALASKA, ALASKA

PROJECT LOCATIONS

Legend

- Project 03 - Investigation Sites - Soil Borings/UVOST
- Project 03 Investigation Sites – ISM
- Project 05 - Removal Action/Investigation Location
- Project 05 - Removal Action/Investigation Sites (Battery or Former Battery)
- Project 06 - Landfill Investigation
- Project 07 - Drum Investigation Sites
- Project 08 - ASTs-East
- Project 09 - ASTs-West
- Project 09 - USTs-West
- Access Road
- United States Survey 807

Abbreviations

AST	aboveground storage tank
ISM	incremental sampling method
UST	underground storage tank
UVOST	Ultra-Violet Optical Screening Tool

Notes

1. Depicted locations of U.S. Survey number 807 tracts are approximate and do not constitute any official property boundary location.

References

1. Imagery and data source: USACE. 2020. *Final Removal Action Report, Site Investigation and Limited Containerized Hazardous Toxic and Radioactive Waste (CON/HTRW) Removal Action Chernofski Harbor Supply and Storage Formerly Used Defense Site (FUDS) F10AK0013, Projects 02, 05, 07, 08, and 09 Unalaska Island, Alaska.*
2. Map produced using ESRI ArcMap v.10.7.

NAD83 UTM ZONE 3N
HORIZONAL DATUM: NAD83 | VERTICAL DATUM: NAVD88

500 250 0 500 1,000
SCALE IN FEET

PROJECT No.: F10AK0013	DATE: 2/7/2024	FIGURE: 2.0-1
P.M.: E.D.	DRAWN: CMH	

U.S. ARMY

Document Path: O:\BEL\5 PROJECTS\DoD\USACE AK SB ERS (June 2020)\7006_Chernofski_RA\10 - Submittals\R&R_Report\06_Ref\Fig\A_GIS\1_MXD\F02_1_01_Project5_R1_Loss.mxd

1 INCH

REMOVAL ACTIONS AND INVESTIGATIONS REPORT
CHERNOFSKI HARBOR SUPPLY AND STORAGE
FORMERLY USED DEFENSE SITE F10AK0013
CHERNOFSKI HARBOR, UNALASKA, ALASKA

PROJECT 03 INVESTIGATION SITES

Legend

- Project 03 - Investigation Sites - Soil Borings/UVOST
- Project 03 - Investigation Sites - ISM
- Access Road
- United States Survey 807

Abbreviations

ISM	incremental sampling methodology
UVOST	Ultra-Violet Optical Screening Tool

Notes

1. Depicted locations of U.S. Survey number 807 tracts are approximate and do not constitute any official property boundary location.

References

1. Imagery and data source: USACE. 2020. Final Removal Action Report, Site Investigation and Limited Containerized Hazardous Toxic and Radioactive Waste (CON/HTRW) Removal Action Chernofski Harbor Supply and Storage Formerly Used Defense Site (FUDS) F10AK0013, Projects 02, 05, 07, 08, and 09 Unalaska Island, Alaska.
2. Map produced using ESRI ArcMap v.10.7.

NAD83 UTM ZONE 3N
HORIZONAL DATUM: NAD83 | VERTICAL DATUM: NAVD88

500 250 0 500 1,000
SCALE IN FEET

PROJECT No.:	DATE:	FIGURE:
F10AK0013	2/7/2024	2.1-1
P.M.: E.D.	DRAWN: CMH	

U.S. ARMY

REMOVAL ACTIONS AND INVESTIGATIONS REPORT
CHERNOFSKI HARBOR SUPPLY AND STORAGE
FORMERLY USED DEFENSE SITE F10AK0013
CHERNOFSKI HARBOR, UNALASKA, ALASKA

PROJECT 05 REMOVAL ACTION AND INVESTIGATION LOCATIONS

Legend

- Project 05 - Removal Action Site
- Project 05 - Investigation Site
- Access Road
- United States Survey 807

Notes

1. Depicted locations of U.S. Survey number 807 tracts are approximate and do not constitute any official property boundary location.

References

1. Imagery and data source: USACE. 2020. *Final Removal Action Report, Site Investigation and Limited Containerized Hazardous Toxic and Radioactive Waste (CON/HTRW) Removal Action Chernofski Harbor Supply and Storage Formerly Used Defense Site (FUDS) F10AK0013, Projects 02, 05, 07, 08, and 09 Unalaska Island, Alaska.*
2. Map produced using ESRI ArcMap v.10.7.

NAD83 UTM ZONE 3N
HORIZONAL DATUM: NAD83 | VERTICAL DATUM: NAVD88

500 250 0 500 1,000
SCALE IN FEET

PROJECT No.:	DATE:	FIGURE:
F10AK0013	2/7/2024	2.1-3
P.M.: E.D.	DRAWN: CMH	

U.S. ARMY

1 INCH

REMOVAL ACTIONS AND INVESTIGATIONS REPORT
CHERNOFSKI HARBOR SUPPLY AND STORAGE
FORMERLY USED DEFENSE SITE F10AK0013
CHERNOFSKI HARBOR, UNALASKA, ALASKA

PROJECT 07 DRUM INVESTIGATION AND REMOVAL AREAS

Legend

- Project 07 - Drum Removal Action/Investigation Site
- Access Road
- United States Survey 807

Notes

1. Depicted locations of U.S. Survey number 807 tracts are approximate and do not constitute any official property boundary location.

References

1. Imagery and data source: USACE. 2020. *Final Removal Action Report, Site Investigation and Limited Containerized Hazardous Toxic and Radioactive Waste (CON/HTRW) Removal Action Chernofski Harbor Supply and Storage Formerly Used Defense Site (FUDS) F10AK0013, Projects 02, 05, 07, 08, and 09 Unalaska Island, Alaska.*
2. Map produced using ESRI ArcMap v.10.7.

NAD83 UTM ZONE 3N
HORIZONAL DATUM: NAD83 | VERTICAL DATUM: NAVD88

500 250 0 500 1,000
SCALE IN FEET

PROJECT No.:	DATE:	FIGURE:
F10AK0013	2/7/2024	2.1-5
P.M.: E.D.	DRAWN: J.C.	

DocumentPath: Q:\BEUS PROJECTS\0x\DU\SACE AK SB ERS (June 2020)\7006_Chernofski_RA\10 - Submittals\RA2_Report\06_RedFinal_01\S1_MXD\702_1_05_Project7_Drum_RA_RI.mxd

U.S. ARMY

REMOVAL ACTIONS AND INVESTIGATIONS REPORT
CHERNOFSKI HARBOR SUPPLY AND STORAGE
FORMERLY USED DEFENSE SITE F10AK0013
CHERNOFSKI HARBOR, UNALASKA, ALASKA

PROJECT 09 ASTS-WEST CON/HTRW REMOVAL ACTION AND INVESTIGATION LOCATIONS

Legend

- Project 09 - ASTs-West
- Project 09 - USTs-West
- Former Building
- Access Road
- United States Survey 807

Abbreviations

AST	aboveground storage tank
UST	underground storage tank

Notes

1. Depicted locations of U.S. Survey number 807 tracts are approximate and do not constitute any official property boundary location.

References

1. Imagery and data source: USACE. 2020. *Final Removal Action Report, Site Investigation and Limited Containerized Hazardous Toxic and Radioactive Waste (CON/HTRW) Removal Action Chernofski Harbor Supply and Storage Formerly Used Defense Site (FUDS) F10AK0013, Projects 02, 05, 07, 08, and 09 Unalaska Island, Alaska.*
2. Map produced using ESRI ArcMap v.10.7.

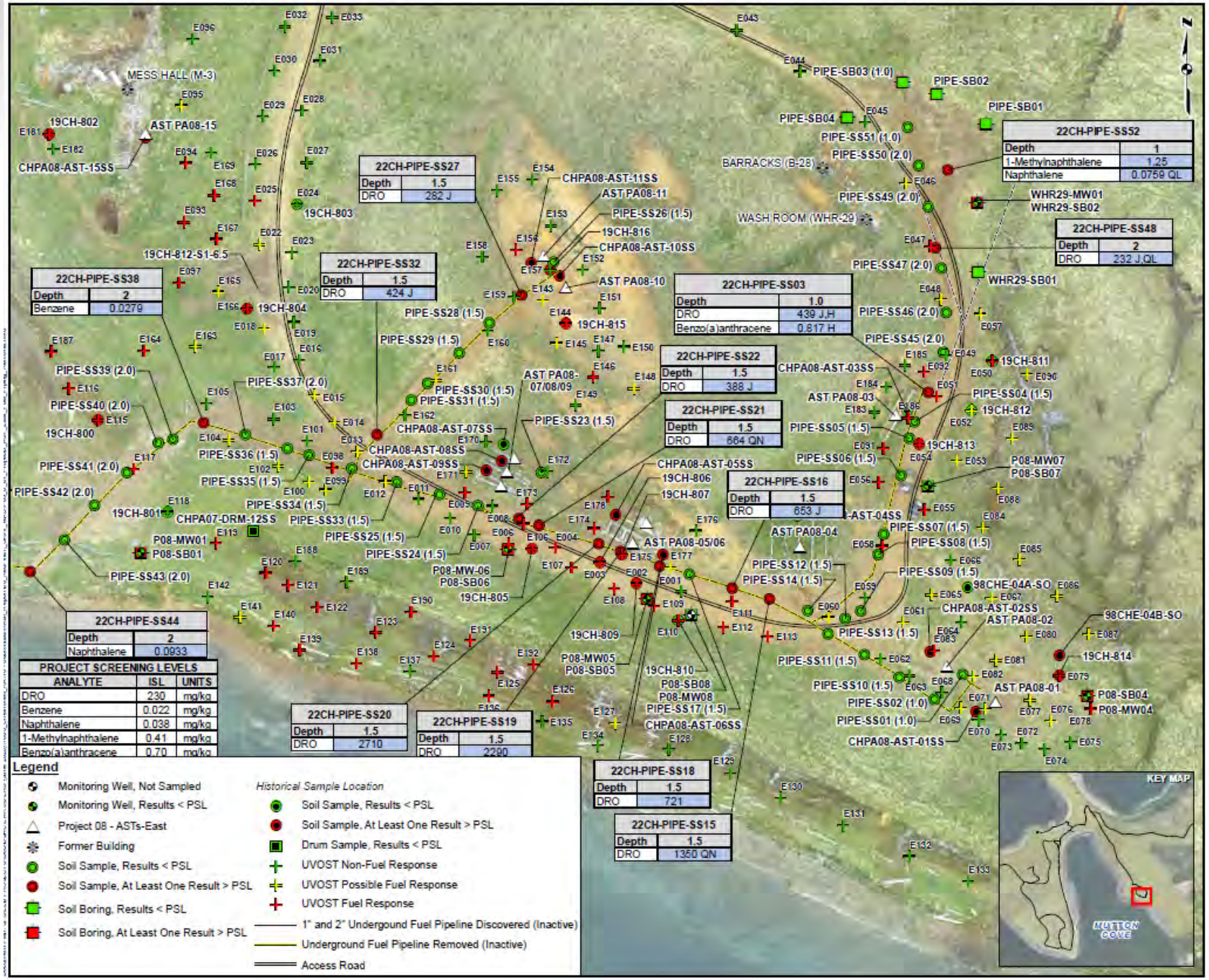
NAD83 UTM ZONE 3N
HORIZONAL DATUM: NAD83 | VERTICAL DATUM: NAVD88

500 250 0 500 1,000
SCALE IN FEET

PROJECT No.:	DATE:	FIGURE:
F10AK0013	2/7/2024	2.1-7
P.M.: E.D.	DRAWN: CMH	

Document Path: Q:\BEUS PROJECTS\DoD\USACE AK\SB ERS (June 2020)\7006_Chernofski_RA10 - Submittals\RAAL Report\06_Rev\Final_GIS\1_MXD\F02_1_07_Project 9_AST_West_RA_R1.mxd

U.S. ARMY



REMOVAL ACTIONS AND INVESTIGATIONS REPORT
CHERNOFSKI HARBOR SUPPLY AND STORAGE
FORMERLY USED DEFENSE SITE F10AK0013
CHERNOFSKI HARBOR, UNALASKA, ALASKA

PROJECT 08 ASTS-EAST TANK FARM FUEL PIPING REMOVAL

Abbreviations

AAC	Alaska Administrative Code
ADEC	Alaska Department of Environmental Conservation
DRO	diesel range organics
HH	human health
ISL	investigation screening level
mg/kg	milligrams per kilogram
PSL	project screening level

Notes

1. All soil analytical results reported in mg/kg.
2. All depths reported in feet below ground surface.
3. Only analytes with exceedances for each location are shown.
4. Removed pipeline continued north to 22CH-PIPE-SS51 location.
5. PSLs and further information for Project 08 ASTs-East investigations are provided in Figure 6.2-1, and Project 03 WHR-29 in Figure 6.4-18.
6. Coordinates of historical soil boring locations were adapted from the USACE 2020 Appendix I Survey Data Table and converted from the Universal Transverse Mercator coordinate system to the North American Datum of 1983 (NAD83) Alaska State Plane Zone 10 coordinate system.

Chemistry Notes

1. Blue highlight indicates that a detected result exceeds the ISL.
2. H – the result is considered a low estimate due to a hold time exceedance.
3. J – the result is an estimated value greater than or equal to the detection limit and less than the limit of quantitation.
4. QL/QN – the result is an estimated value, bias low/indeterminate, due to a quality control failure.
5. Sample location identifications are presented in labels; 2022 sample location identifications are truncated (e.g. 22CH-PIPE-SS01 is presented as PIPE-SS01).
6. When duplicate results were reported, the highest detection is presented.
7. ISLs are the only PSLs for Project 08 samples.
8. ISL in soil defined as the 18 AAC 75 Method Two, Table B1 and B2, most conservative of over 40-inch zone HH and migration to groundwater cleanup levels (ADEC 2021).

References

1. Historical data source: USACE. 2020. *Final Removal Action Report, Site Investigation and Limited Containerized Hazardous Toxic and Radioactive Waste (CON/HTRW) Removal Action Chernofski Harbor Supply and Storage Formerly Used Defense Site (FUDS) F10AK0013, Projects 02, 05, 07, 08, and 09 Unalaska Island, Alaska.*
2. Imagery source: Orthomosaic generated using multi-ray digital photogrammetric processing, from Unmanned Aerial Vehicle imagery acquired by Brice Engineering, LLC on 14 June 2022. Image has a 0.03668 ft resolution. Ground sample distance and constrained to ground control measured with real-time kinematic global navigation satellite system equipment.
3. Map produced using ESRI ArcMap v.10.7.

NAD83 UTM ZONE 3N
HORIZONTAL DATUM: NAD83 | VERTICAL DATUM: NAVD88

50 25 0 50 100
SCALE IN FEET

PROJECT No.:	DATE:	FIGURE:
F10AK0013	2/9/2024	5.8-1
P.M.: E.D.	DRAWN: CMH	

SEDIMENT, POREWATER, AND SURFACE WATER INVESTIGATIONS

- Ten sediment samples were collected from Project 09 intertidal zone (four from Gas Station GS-89, three from Medical Area ASTs, and three from AST PA09-04). Six sediment samples were collected from Project 08 ASTs-East intertidal zone.

- During low tide, porewater was allowed to accumulate in the holes dug for sediment collection.

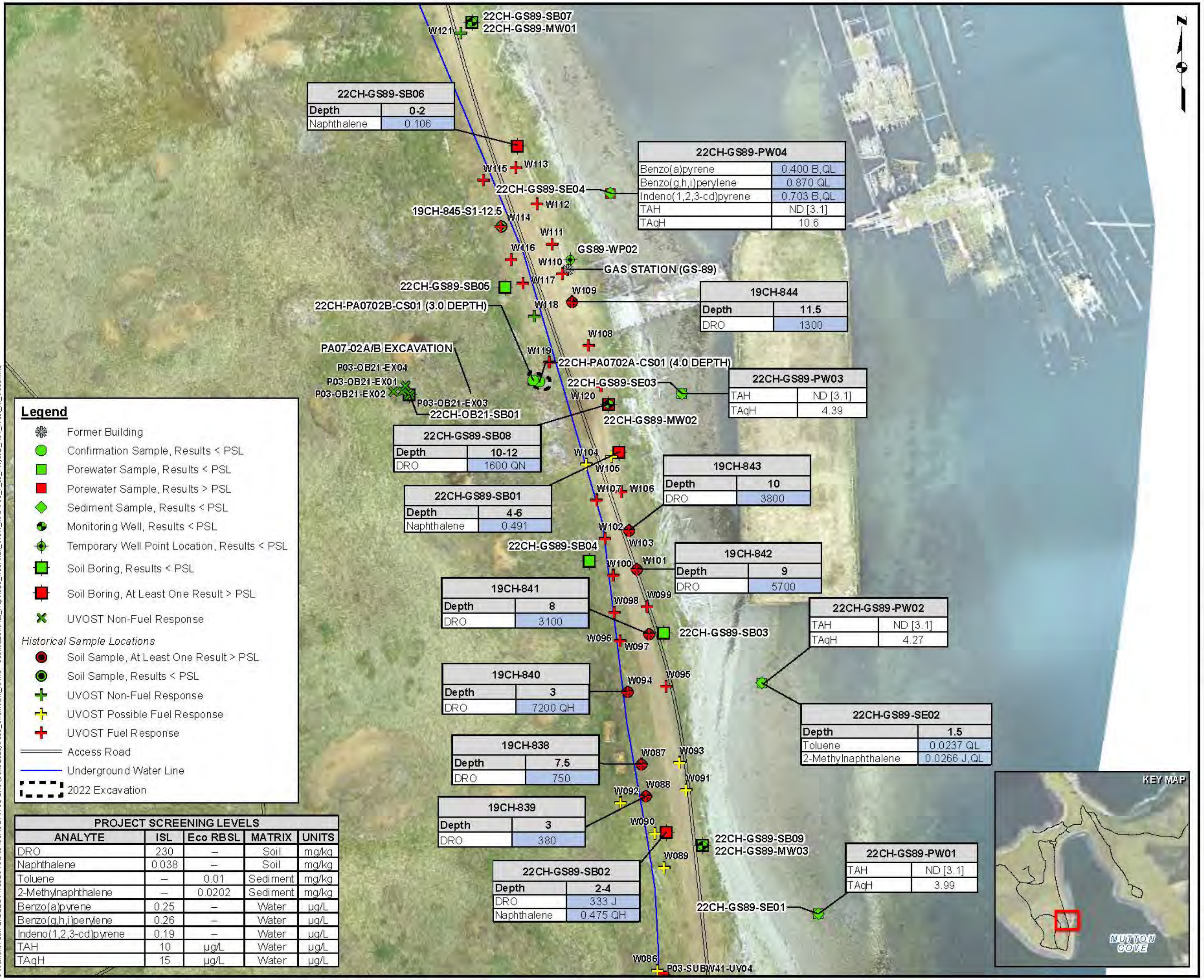
- Two surface water samples were collected near Project 08 locations from the stream located to the east of the Project 08 ASTs-East site. One sample was collected from the location during a drier period (22CH-P08-SW01) and one sample was collected heavy rain (22CH-P08-SW02). All surface water samples were either non-detect, below screening levels, or occurring metals arsenic).

U.S. ARMY

REMOVAL ACTIONS AND INVESTIGATIONS REPORT CHERNOFSKI HARBOR SUPPLY AND STORAGE FORMERLY USED DEFENSE SITE F10AK0013

CHERNOFSKI HARBOR, UNALASKA, ALASKA

PROJECT 09 ASTS-WEST INVESTIGATION LOCATION - GAS STATION GS-89



PROJECT SCREENING LEVELS

ANALYTE	ISL	Eco RBSL	MATRIX	UNITS
DRO	230	–	Soil	mg/kg
Naphthalene	0.038	–	Soil	mg/kg
Toluene	–	0.01	Sediment	mg/kg
2-Methylnaphthalene	–	0.0202	Sediment	mg/kg
Benzo(a)pyrene	0.25	–	Water	µg/L
Benzo(g,h,i)perylene	0.26	–	Water	µg/L
Indeno(1,2,3-cd)pyrene	0.19	–	Water	µg/L
TAH	10	µg/L	Water	µg/L
TAqH	15	µg/L	Water	µg/L

Document Path: O:\BEL\5 PROJECTS\DoD\USACE AK SB ERS (June 2020)\7006_Chernofski_RA\10 - Submittals\RA&I_Report\06_RedFinal_GIS\1_MXD\F06_1_03_Project9_AST_West_RI_GS89.mxd

1 INCH

Abbreviations

µg/L	micrograms per liter
AAC	Alaska Administrative Code
ADEC	Alaska Department of Environmental Conservation
AST	aboveground storage tank
DRO	diesel range organics
EPA	U.S. Environmental Protection Agency
HH	human health
ISL	investigation screening level
LOD	limit of detection
mg/kg	milligrams per kilogram
ND	not detected
PSL	project screening level
RBSL	risk-based screening level
TAH	total aromatic hydrocarbons
TAqH	total aqueous hydrocarbons
UVOST	Ultra-Violet Optical Screening Tool

Notes

1. All soil analytical results reported in mg/kg.
2. All water analytical results reported in µg/L.
3. All depths reported in feet below ground surface.
4. Only analytes with exceedances for each location are shown.
5. Further information for Project 07 PA07-02 is provided in Figure 5.1-1 and for Project 03 OB-21 in Figure 6.4-10.

Chemistry Notes

1. Blue highlight indicates that a detected result exceeds the ISL.
2. B – the result is biased high due to contamination present in an associated blank.
3. J – the result is an estimated value greater than or equal to the detection limit and less than the limit of quantitation.
4. QH/QL/QN – the result is an estimated value, bias high/low/indeterminate, due to a quality control failure.
5. For ND results, the LOD is shown in brackets.
6. Sample location identifications are presented in labels.
7. When duplicate results were reported, the highest detection is presented.
8. ISL in soil defined as the 18 AAC 75 Method Two, Table B1 and B2, most conservative of over 40-inch zone HH and migration to groundwater cleanup levels (ADEC 2021).
9. ISL in water defined as the 18 AAC 75 groundwater cleanup levels (ADEC 2021).
10. Ecological RBSLs for freshwater sediment from EPA Region 4 Ecological Risk Assessment Supplemental Guidance (EPA 2018).

References

1. Historical data source: USACE. 2020. *Final Removal Action Report, Site Investigation and Limited Containerized Hazardous Toxic and Radioactive Waste (CON/HTRW) Removal Action Chernofski Harbor Supply and Storage Formerly Used Defense Site (FUDS) F10AK0013, Projects 02, 05, 07, 08, and 09 Unalaska Island, Alaska.*
2. Imagery source: Orthomosaic generated using multi-ray digital photogrammetric processing, from Unmanned Aerial Vehicle imagery acquired by Brice Engineering, LLC on 14 June 2022. Image has a 0.03668 ft resolution. Ground sample distance and constrained to ground control measured with real-time kinematic global navigation satellite system equipment.
3. Map produced using ESRI ArcMap v.10.7.

NAD83 UTM ZONE 3N

HORIZONAL DATUM: NAD83 | VERTICAL DATUM: NAVD88

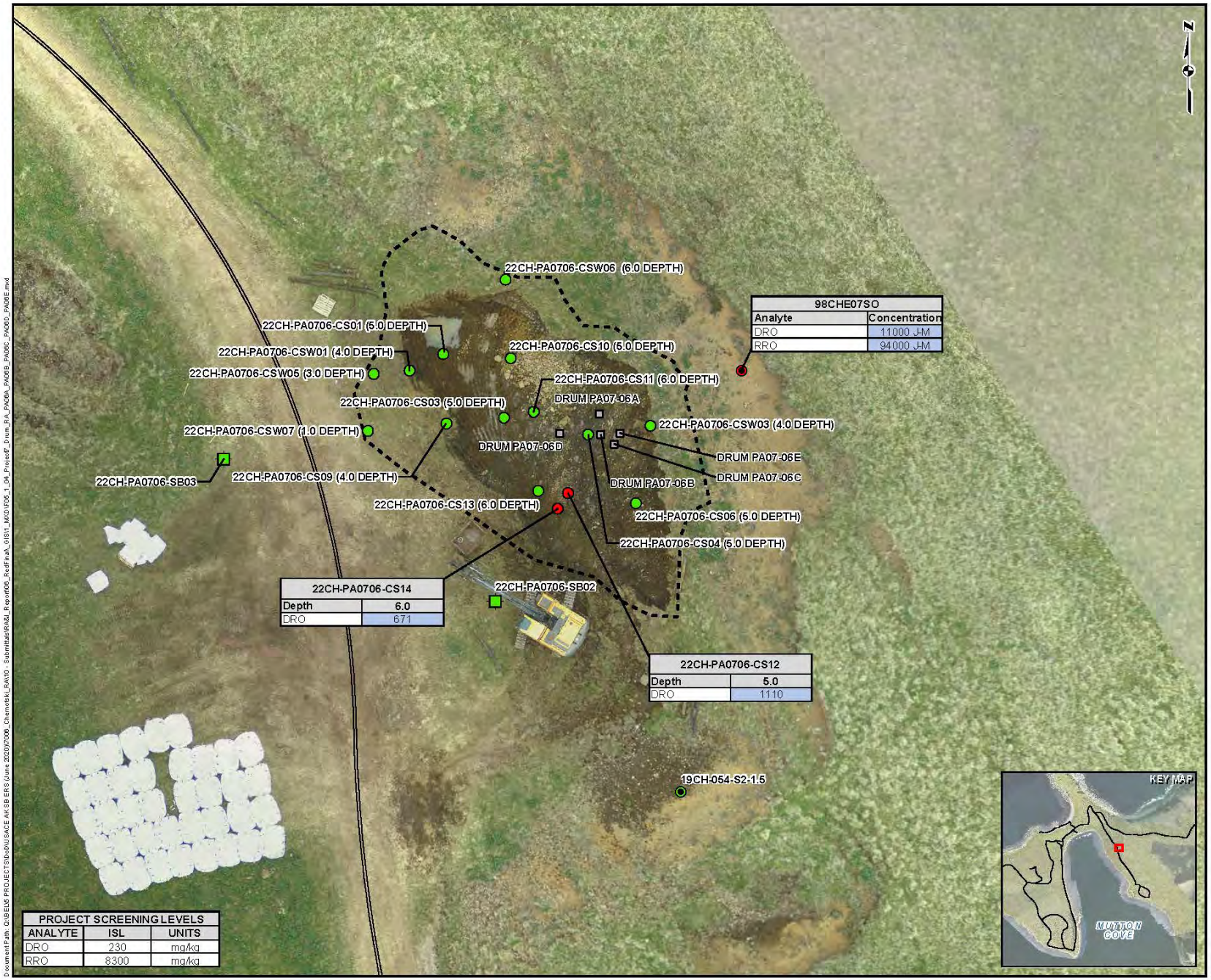
60 30 0 60 120

SCALE IN FEET

PROJECT No.: F10AK0013	DATE: 2/9/2024	FIGURE: 6.1-3
P.M.: E.D.	DRAWN: CMH	

REMOVAL ACTIONS

- Removal actions sites at Transformer 8, Marine Repair Shop MRRSP-60, and within Project 05, Project 07, Project 08 and Project 09. Locations where drums, tanks, transformers and batteries were previously identified.
  - 5 batteries removed
  - 3 tanks removed
  - 13 drum carcasses removed
  - 1,200 feet of fuel piping removed
  - 3,200 tons of contaminated soil removed
- In-situ chemical oxidation (ISCO) treatment applied at PA07-04, PA07-06, PA07-20, PA07-21 and PA07-22 excavations.
- Contamination at most removal areas reduced to below screening levels.



REMOVAL ACTIONS AND INVESTIGATIONS REPORT CHERNOFSKI HARBOR SUPPLY AND STORAGE FORMERLY USED DEFENSE SITE F10AK0013

CHERNOFSKI HARBOR, UNALASKA, ALASKA

PROJECT 07 DRUM-CONTAMINATED SOIL REMOVAL LOCATIONS - DRUMS PA07-06A, PA07-06B, PA07-06C, PA07-06D, AND PA07-06E

Legend

- Project 07 - Drum Removal Action Site
- Confirmation Sample, Results < PSL
- Confirmation Sample, At Least One Result > PSL
- Soil Boring, Results < PSL

Historical Sample Location

- Soil Sample, Results < PSL
- Soil Sample, , At Least One Result > PSL
- Access Road
- 2022 Excavation

Abbreviations

AAC	Alaska Administrative Code
ADEC	Alaska Department of Environmental Conservation
DRO	diesel range organics
HH	human health
ISL	investigation screening level
mg/kg	milligrams per kilogram
PSL	project screening level
RRO	residual range organics

Notes

1. All soil analytical results reported in mg/kg.
2. All depths reported in feet below ground surface.
3. Only analytes with exceedances for each location are shown.
4. Metal concentration(s) are not known to be associated with anthropogenic sources and are not shown. They are assumed to be attributable to background concentrations or, for elevated mercury levels, attributable to fish bones in shell middens due to bioaccumulation in species that early indigenous people harvested.
5. Samples shown represent soil remaining. No confirmation, soil boring, or historical soil samples that were removed during excavations are shown.
6. Drum sites PA07-06A through PA07-06E merged into single excavation. The final excavation boundaries were surveyed following additional removals in August 2022.

Chemistry Notes

1. Blue highlight indicates that a detected result exceeds the ISL.
2. J-M – the result is an estimated value greater than or equal to the detection limit and less than the limit of quantitation.
3. Sample location identifications are presented in labels.
4. When duplicate results were reported, the highest detection is presented.
5. ISLs are the only PSLs for Project 07 samples.
6. ISL defined as the 18 AAC 75 Method Two, Table B1 and B2, most conservative of over 40-inch zone HH and migration to groundwater cleanup levels (ADEC 2021).

References

1. Historical data source: USACE. 2020. *Final Removal Action Report, Site Investigation and Limited Containerized Hazardous Toxic and Radioactive Waste (CONHTRW) Removal Action Chernofski Harbor Supply and Storage Formerly Used Defense Site (FUDS) F10AK0013, Projects 02, 05, 07, 08, and 09 Unalaska Island, Alaska.*
2. Imagery source: Orthomosaic generated using multi-ray digital photogrammetric processing, from Unmanned Aerial Vehicle imagery acquired by Brice Engineering, LLC on 14 June 2022. Image has a 0.03668 ft resolution. Ground sample distance and constrained to ground control measured with real-time kinematic global navigation satellite system equipment.
3. Map produced using ESRI ArcMap v.10.7.

NAD83 UTM ZONE 3N
HORIZONAL DATUM: NAD83 | VERTICAL DATUM: NAVD88

20 10 0 20 40
SCALE IN FEET

PROJECT No.:	DATE:	FIGURE:
F10AK0013	2/8/2024	5.1-4
P.M.: E.D.	DRAWN: CMH	

RESULTS & RECOMMENDATIONS

- All investigation and removal action sites have a summary section that includes:
  - Analytical results.
  - A description of the nature and extent of contamination, including data gaps, if any.
  - A calculation of cumulative risk based on the information known to date.
  - A figure or figures showing sampling and excavation areas, as well as sampling results.
  - Recommendations for additional investigation or removal, as needed.

QUESTIONS?

Please give me a call or send me an email if you have any questions. Thanks!

Melinda Brunner
Project Manager
Telephone: 907-753-2855
Email: Melinda.S.Brunner@usace.army.mil

AMAKNAK PROJECT UPDATES

Amaknak FUDS
Formerly Used Defense Site
Unalaska Island, Alaska

Taylor Borgfeldt
RAB USACE Co-Chair
PM: Amaknak, Ugadaga
P: 907-753-2798
E: Taylor.M.Borgfeldt@usace.army.mil

U.S. ARMY

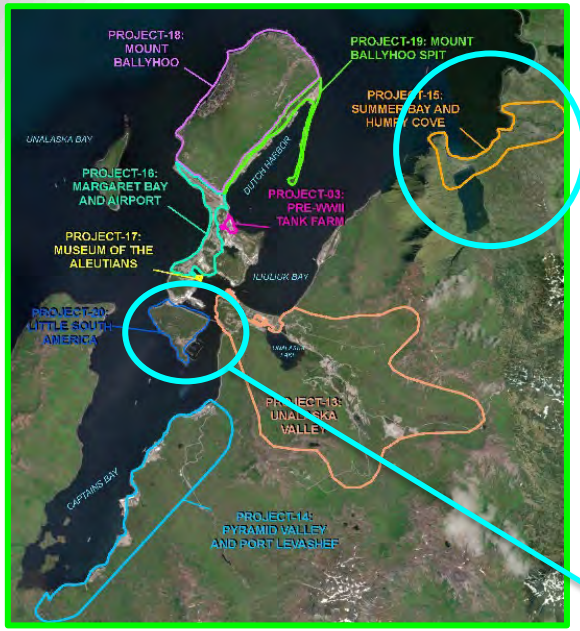
US Army Corps of Engineers®

View from top of Mt. Ballyhoo at Fort Schwatka

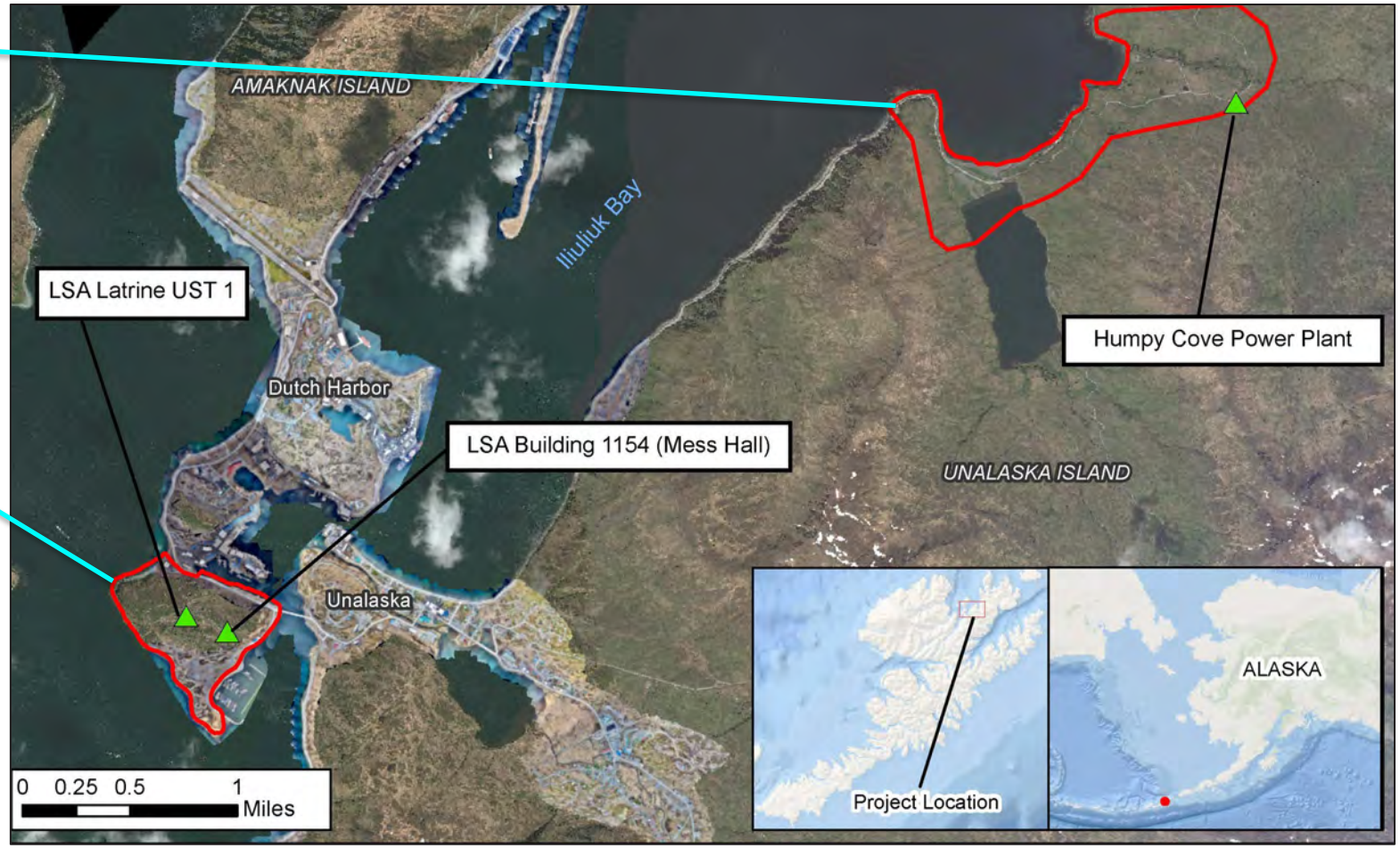
View from top of Little South America

U.S. ARMY

SUMMER BAY-HUMPY COVE AND LITTLE SOUTH AMERICA PROJECT LOCATIONS



The green triangles show the specific features of work for each Project.



SUMMER BAY-HUMPY COVE / LITTLE SOUTH AMERICA

- Postponed to 2025 field season

- Field work actions
  - Soil excavation (2 of 3 features)
  - Groundwater monitoring well installation
  - Soil and groundwater sampling
  - Well decommissioning

- Archaeology MOA
  - Draft #3 with stakeholders, reviews requested by 31 AUG
  - Specific to Latrine 1 UST
  - Mitigation plans include:
    - Archaeological monitoring
    - Scaled map of Latrine 1
    - Basic inventory of Hill 400 WWII features
    - Help move Latrine 1 sink to Visitor Center

7:45-7:50 NEXT MEETING DATE

Proposed **Next Meeting Dates** (Vote):

- Tues Nov 5
- Wed Nov 6
- Tues Nov 12
- Wed Nov 13

Keep in mind:

- Holidays: Mon Nov 11, Thurs Nov 28
- 4th week of every month City Council, OC Board, and Q Tribe Council meetings
- Any other conflicts?

Next Meeting Topics (Vote / Input):

- 3Rs In-Depth Training or guest speaker
- Overview of FUDS Process
  - Schedule, funding
  - Process, vocab (acronyms!)
- In-Depth Project Discussion
  - Chernofski
  - Cape Wislow
  - Ft Learnard
  - Amaknak
  - Ugadaga Bay
- Other?

U.S. ARMY

7:45-7:50 ACTION ITEM REVIEW

UPCOMING OPPORTUNITIES FOR PARTICIPATION

- Cape Wislow Field Sampling and Archaeology Reports in Draft
- Amaknak Proj. 13 Unalaska Valley 3rd Periodic Review in Pre-Draft
- Fort Learnard - Recent in person public meeting held at library on 24 July. Upcoming field work to begin in early Sept. Next public meeting anticipated at completion of RI report in Spring 2025.

Find RAB Meeting Materials and Minutes here:

http://www.poa.usace.army.mil/Library/Reports-and-Studies/

- Find 'Documents Available for Public Review'
- Expand 'Environmental Cleanup'
- Find 'Amaknak/Qawalangin FUDS RAB' for **Agenda and Meeting Materials** and **Meeting Minutes**

QAWALANGIN FUDS CONTACT INFORMATION

U.S. ARMY

Melinda Brunner
PM: Chernofski
P: 907-753-2855
E: Melinda.S.Brunner@usace.army.mil

Forrest Kranda
PM: Cape Wislow
P: 907-753-2736
E: Forrest.J.Kranda@usace.army.mil

Jeremy Craner
PM: Fort Learnard
P: 907-753-2628
E: Jeremy.D.Craner@usace.army.mil

Taylor Borgfeldt
RAB USACE Co-Chair
PM: Amaknak, Ugadaga
P: 907-753-2798
E: Taylor.M.Borgfeldt@usace.army.mil

US Army Corps of Engineers®
Alaska District

USACE- Alaska District Public Affairs Office
P: 907-753-2520
E: Public.Affairs3@usace.army.mil

Revised May 13, 2024
RAB Operating Procedures
Qawalangin (regional) Formerly Used Defense Site
Restoration Advisory Board

1. **Mission Statement of the Qawalangin (regional) Formerly Used Defense Site (FUDS) Restoration Advisory Board (RAB).** The Mission of the Qawalangin (regional) 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 FUDS sites on **Unalaska Island, Amaknak Island, and Sedanka Island including Amaknak, Chernofski Harbor Supply and Storage Site, Cape Wislow AWS Station, Fort Learnard, and Ugadaga Bay Station 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 **informal quarterly 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 Qawalangin (regional) 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 Qawalangin (regional) FUDS RAB is **tri-chaired** by a USACE representative, typically the USACE Project Manager and two community members.

c. The Qawalangin (regional) FUDS RAB may include a **local youth seat**.

d. RAB members will serve a **3-year** year term. RAB members may submit an application to serve another term when their first term has been completed. Total service will have **no total length limit**.

e. Community Chairs will be elected by the RAB community members. The procedures for conducting this election are specified in paragraph 6 below. The Community Chairs will serve a minimum of **1 year**, with replacement by a simple majority of RAB community members at any regular RAB meeting. Re-election or replacement of the Community Chairs will be mandatory every **1 year**. **The Qawalangin (regional) RAB will informally assess the re-election or replacement of the Community Chairs each year.**

Community Chairs: **Elise Contreras and Ellis Berry**

f. Neither the USACE Chair nor other government or regulatory representatives shall participate in the nomination or election of the Community Chairs.

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 quarterly. Members are expected to attend every meeting. **After a member has missed two meetings without appropriate explanation, and if someone else has expressed interest in serving on the RAB, the USACE and Community Tri-Chairs may terminate his or her membership, replacing member with a new member.**

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 Tri-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. Tri-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 tri-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 Tri-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 Tri-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 4 community RAB members, including the Community Chairs, plus the USACE Chair**.

6. Election of Community Chairs. The Community Chairs 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 Chair positions. The USACE Chair will count the hands or written ballots and announce the results of the nomination and election at the RAB meeting. The Chair elect will assume the position at the next scheduled RAB meeting.

7. RAB Member Responsibilities.

a. Responsibilities of the USACE Chair are as follows:

(1) Coordinate with the Community Chairs to prepare and distribute an agenda prior to each RAB meeting.

(2) Communicate with all RAB members regarding environmental restoration activities at the Qawalangin (regional) FUDS Projects.

(3) Publicly announce RAB meetings at least 15 days prior.

(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 Qawalangin (regional) FUDS projects.

(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 Chairs are as follows:

(1) Coordinate with the USACE Chair and RAB members to prepare an agenda prior to each meeting.

(2) Coordinate, as required, with the USACE 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 Qawalangin (regional) FUDS projects.

(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 Qawalangin (regional) FUDS projects.

(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 Tri-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.

US Army Corps of Engineers
Alaska District

DRAFT Meeting Minutes

Subject:	Qawalangin (regional) Formerly Used Defense Sites (FUDS) Restoration Advisory Board (RAB) Meeting Amaknak, Chernofski Harbor Supply and Storage Site, Cape Wislow AWS Station, Fort Learnard, and Ugadaga Bay Station
Date:	Monday, May 13, 2024
Time	6:00-8:00 PM
Location:	Unalaska Public Library 64 Eleanor St, Unalaska, AK

Attendees:

RAB Members Present:
James (Jim) T Paulin
Elise Contreras (virtual)
Kale Bruner (by phone)
David Gregory
Okalena Patricia Lekanoff Gregory
Ellis Berry
Taylor Borgfeldt, USACE Co-Chair

RAB Members Not Present:
Michael Tutiakoff
Ben Leon-Guerrero

In person Attendees:
Donna Van Flein (OCE)
Natalie Cale (OC/OCE)
Thomas Rufous (City)
Bil Homka (City)
Andy Lusk (KUCB)
Sofia Stuart-Rasi (KUCB)
Summer Smith (OC)
Jason Westenskow (OCE)
Sasha Rankin (OC)
Laresa Syverson (OC)
Denise Rankin (OC)
Felipe Lekanoff (OCE)
Rena B Flint (USACE)
Jose (Poncho) Lopez (OCE)
Tiffany Angus (OCE)
Vincent Tutiakoff Sr. (OC/City/Tribe)
Brian Rankin Chris Price (Tribe)
Tanaya Horne (Tribe)

In person Attendees (continued):
Anna Robinson (APC)
Kimme Lloyd (APC)
Cameron Dean (City)
Lori Verbrugge (USACE)
Art Christianson
Chelsea Bramble (OC)
Virginia Hatfeld (MOTA)
Max Lightner
Ronni Wilcock (TBEC)
Jamilyn Sypmowski (TBEC)
Sydney Johnson (TBEC)

Virtual Attendees:
Forrest Kranda (USACE)
Melissa Scully (USACE)
Jeremy Craner (USACE)
Melinda Brunner (USACE)
Sarah Bernhardt (ADEC)
Kathleen Iler-Galau (ADEC)
Marc Hansmeier (Ahtna)
Karen Pletnikoff (APIA)
Miriam McGilvray
Logan Simpson
Emily Gibson (UniSea)
David Holmes
Mike M
Natasha Albee

1. Welcome and Introductions
    a. Denise Rankin kicked off the meeting with opening remarks and request for parties interested in serving on the board to reach out for an application.
        i. Roll call was conducted. Present were Jim Paulin, Elise Contreras, Okalena Patricia Lekanoff Gregory, Kale Bruner, David Gregory, Ellis Berry, and Taylor Borgfeldt. There is quorum.
    b. Meeting Goals and Objectives
        i. Denise reviewed the agenda.
2. Local Updates/Community Introductions/Public Comment
    a. Thomas Roufos (City of Unalaska) asked David Holmes (Santec) to give an update on Phase I for Strawberry Hill and Pyramid Valley Brownfields Projects. David explained what a Phase 1 entails for an environmental site assessment (ESA). Physical inspection of site, conduct interviews, review information that is available from previous investigation and look at any pictures that are available and historic documents. Primary goal to consolidate information from dozens of previous studies and reports completed over the last 40 years into a single document for future activities. Strawberry Hill Phase 1 ESA was completed in March on about a 95-acre area. 11 recognized environmental conditions (RECs) or evidence that there could be a concern associated with some future use. Primarily associated with historical World War II military activities and facilities and or fueling operations both on the site and the North adjoining site. Recommendation for Strawberry Hill was to conduct additional assessments, particularly where there is near term redevelopment potential. Western Pyramid Valley Phase 1 ESA was conducted on about a 90-acre area spanning all or portions of two parcels owned by Ounalashka Corporation near the west end of the valley which are considered the most prime for residential development. Three RECs were identified, two associated with former petroleum underground storage tanks associated with former World War II buildings 5264 and 5181 and a general one associated with the potential release of asbestos and lead based paint into the soil during the demolition of numerous other World War II buildings at the site. Recommendation for Pyramid Valley was to further assess these areas. They did not cover anything surprising or new. The goal was just to put all reports into a single document.
    b. Art asked if the asbestos dump sites were included in Strawberry Hill. David answered, yes. The participant also asked if the debris along the river behind Crawley and Pyramid was looked at. Thomas answered that that area was not included and described the area that was included in the study.
3. Taylor Borgfeldt introduced herself and the next segment of the meeting. In an effort to bring everyone in and refresh memories we will be going an overview of all of the properties that are in the Qawalangin Region and to streamline this communication USACE is working on maps and ways to better engage the community. She explained that there were poster boards hanging up in the back of the room and in binders showing the color-coded properties. Taylor briefly introduced each property and the USACE project manager.
4. Chernofski FUDS Project Update
    a. Melinda Brunner introduced herself to everyone as new FUDS Project Manager for Chernofski.
    b. Melinda did a recap of what will be coming in the forthcoming two (2) years.
    c. In the next year, Decision Documents for Petroleum Projects 7, 8 and 9 (tanks on the east and west side of Mutton Cove as well as former location of 55-gallon drums) will include remedies considered and decisions for addressing any contamination.
    d. Field work including additional investigation is anticipated to begin in 2026.

e. Art asked about additional investigations in 2026 and what they would determine. Melinda responds that additional investigation will be at Project 7 to get an idea of extent of contamination before removal or in situ remediation whatever is determined appropriate.

f. Ellis Berry asked what the turnaround time would be if additional contamination was found, and how soon remedial activities could continue after the additional investigation. Melinda responded that it depends on nature of that contamination and what kind of contamination was found. It would take a while to making sure appropriate plans are in place. Melinda said that she could get back to Ellis with examples of what has happened at other similar sites on the Aleutians.

Action: Melinda will reach out to Ellis about turnaround time at other similar sites on the Aleutians if investigations find additional contamination.

g. Denise asked Melinda to show us where the tanks and drums were on the map. Melinda identified the projects 7, 8, and 9 on the map.

5. Cape Wislow FUDS Project Update

a. Forrest Kranda introduced himself as the USACE project manager for Cape Wislow FUDS.

b. This project is at the beginning of the CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) process. Site visit was done last year, and field sampling report is almost ready to submit to DEC. Landowners and stakeholders will receive it as well. Also working on an archaeological survey report to document the historic use of the site, what is left out there, and also evaluating it for the National Register of Historical Places. Began preliminary assessment this month.

c. Sarah Bernhardt with DEC asked who the DEC project manager was of the site. Sarah let Forrest know that the project manager (DEC) was probably her.

Action: Forrest will reach out to Sarah Bernhardt to figure out who the DEC site manager is..

6. Fort Learnard FUDS Project Update

a. Jeremy Craner introduced himself as the USACE Alaska District project manager for the Fort Learnard FUDS MMRP, a military munitions response project.

b. Fort Learnard is a CERCLA project dealing with munitions magazines E2 and EJ. Jeremy said they are trying to figure out the nature and extent of the munitions that are out at Fort Learnard. Fieldwork started in May. The Remedial Investigation is planned for summer 2024. 176 acres total. Goal to characterize the nature and extent of munitions and explosives of concerns (MEC) and assess potential explosives and munitions constituents (MC). Jeremy said they just held a systematic project planning meeting number 4 on April 9, 2024, that was well attended. They are looking at doing a public meeting in later in June after the main work plan is finalized. Working on finalizing the main workplan, the UFP-QAPP. Almost final and has been approved by ADEC. May 1st-6th the roadway was improved to make getting back and forth from the beach to the site safely. EA Engineering, Science, and Technology, Inc. (EA), the prime contractor, is gearing up for foot transect surveys, for the 15th-20th of May. They will be back in July to use drone transect work with more geophysical equipment. Systematic project planning meeting number 5 will be planned for after that. There are a lot of moving pieces, and it is a big team effort.

c. Jim asked if this is the first time they have used drones on this project. Jeremy said USACE uses drones all the time on their projects throughout the United States. It is fairly new technology that is constantly evolving. LiDAR will be used to supplement the foot transects.

d. Dave Gregory asked if there were any plans to complete water surveys? Jeremy said it is not in the plans for this project. They have been directed by Headquarters to focus on the lands projects right

now. The Navy has already started some of the water work and we don't want to duplicate efforts. David worries about the waters with fishing and crabbing. Flounders have been caught with huge sores all over them. His concern is how things in the water in that spot may be impacting the water life. Jeremy said if anything (munitions) is ever found on the beach or in the water to please report it to the police.

e. Denise would like to look at if water sampling can be done. Lori may be able to discuss impacts later. Dave said that they dumped a lot of stuff out there.

7. Amaknak FUDS and Ugadaga Bay FUDS Project Update

a. Taylor Borgfeldt introduced herself as the USACE project manager for Ugadaga Bay and Amaknak FUDS.

b. Brief update on Ugadaga Bay, early in the CERCLA process. Working on writing up a scope of work and pulling together all the data that already exists.

c. Amaknak Project 3 Pre-WWII Tank Farm, the second periodic review has been finalized. The third periodic review is in the pre-draft phase right now. Hope to have the Draft to stakeholders at end of May, hoping for the 27th of May. Please reach out to Taylor if you would like to be a stakeholder on this project.

d. Amaknak Project 9, historical analysis is in progress. Going through photos and looking at areas that have munition risk. Recently got a report from the Army Geospatial Center (AGC).

e. Amaknak Project 13 Unalaska Valley, field work was completed last summer. The plan is to continue later this summer with removing and closing the groundwater sampling wells that were put in last summer. The Removal Report is in progress.

f. Amaknak Project 15 and 20, Summer Bay/Humpy Cove and Little South America. Work Plan was finalized, and a site visit was completed in April. Field work is planned to be conducted June through October. It is a long field season which involves soil excavation, installing temporary monitoring wells, soil, and groundwater sampling, and monitoring well decommissioning.

g. Taylor showed which Amaknak projects are currently being worked on through an active contract and the projects that still need to be addressed, although all these projects have had work done in the past. Taylor said they would like to see some input from the community on which project they feel should be a priority and asked that everyone take the survey that should pop up online. All the remaining projects for Amaknak are petroleum.

h. Ellis was concerned that digging could disturb the contamination and release it into the ground water at the Humpy Cove cleanup. Taylor said that would be a perfect segway into the Risk Conversation. Taylor will take down Ellis' question and get back to him with a more thorough response.

<u>Action</u>: Taylor will reach out to Ellis about excavating soil and his concern about it interacting with groundwater at Humpy Cove.

i. Karen asked if the Amaknak project survey would remain open until the end of the meeting. Donna said she would make sure to put it back up during the break.

8. Risk Conversation

a. Lori introduced herself as Risk Assessor for USACE. She has always worked as a contaminants biologist, looking at chemicals in the environment, how they work in the environment, and if they get into people and animals.

b. She is here because there were questions in the last meeting about contaminants affecting

subsistence and berries. Lori stated that each site is different, so risk has to be discussed with the specifics of that site. Rather than go site by site, she will discuss exposure pathways generally.

c. Lori said anyone with questions or concerns could come talk to her more tomorrow at the Open House from 12-2pm.

d. For chemicals to have any impact on us they have to get into our body. Four main ways for chemicals to get in your body. Two most common ways are you inhale it or ingest it by eating or drinking it. Some chemicals can soak into your skin and get into your blood, it's not very common that this happens. You can inject it as well, for example you could step on a nail, and it could be rusty so then that rust is now in your foot.

e. Lori said that it matters how much get into you. The dose makes the poison. The bigger the dose the more effect you may see.

f. Some chemicals, like PCBs, can come in the air from far away. As it gets colder, they come out in the rain, then get in the ocean, which then magnifies up the food chain. PCBs can reach high levels in the fat of top predators.

g. Chemicals like to be with other chemicals like them. When you make water for your pasta and then you add oil to the water, the oil sets on top, the oil doesn't like to be in water. This is illustrative of chemical partitioning – different contaminants like to be in different mediums (or substances). If you add a fat-loving chemical like PCBs into the water, it will partition into the oil and avoid the water.

h. A lot of chemicals are not taken up by plants. Some chemicals are water loving and may get taken up by roots. Some metals may also be taken up by roots. Fuel is not readily taken up by plants.

i. If the surface soil is contaminated and it gets picks up in the wind, it could blow onto the berries, but if the chemical is deep down in the soil, it is not available for transport by the wind.

j. Ask yourself, what chemical is there and where is it? If it is in soil, is it on surface soil, or is it down 8 feet deep? If it's ground water, where is that ground water? Is it deep ground water? Is there a well or is it just ground water that no one is using? Does the groundwater ever come to the surface for groundwater surface water interacting?

k. Ellis asked if mushrooms uptake of DRO? Lori said if the contamination is right on the surface, it may get on the mushrooms surface. Some mushrooms may take up some metals. For organic chemicals, like petroleum, mushrooms are more likely to break those chemicals down than to uptake them into the mushroom.

Break from 19:05-19:19.

9. Revise/Adopt Minutes

   a. Denise asked for a motion to Revise/Adopt the minutes from November 8, 2023, and February 21, 2024.

   b. Ellis Berry motioned to adopt the November 8, 2023, and February 21, 2024, minutes. David Gregory seconded the motion. Motion passed by consensus.

<u>Decision:</u> Adopt November 8, 2023, and February 21, 2024, minutes as written.

10. Review of RAB Mar 1, 2023, Qawalangin (regional) FUDS RAB Operating Procedures and responsibilities.

    a. Taylor reviewed 2. Responsibilities of the RAB. Vote 1 was to keep 2.b in the Operating Procedures as *Quarterly* meetings or revise.

       i. Taylor asked for a motion to vote to revise.

ii. David brought up that the procedures say “informal”. Rena clarified that the word informal was used because sometimes they did not have a quorum. Denise explained that the RAB originally worded it like that because sometimes they didn’t have a quorum, so it was more of an informal meeting.

iii. Taylor asked if the RAB members wanted to vote for quarterly meetings.

iv. Ellis Berry voted for quarterly and suggested that maybe a public email could be sent out to let people know about the progress could replace increased meetings.

v. Jim voted for quarterly as well.

vi. Elise Contreras voted for quarterly meetings and liked the idea of having a monthly newsletter sent out via email to keep everyone updated.

vii. Kale voted for quarterly meetings as well.

viii. Dave Gregory voted for quarterly as well.

Decision: Keep RAB Meetings quarterly as specified in RAB Operating Procedures.

b. Vote 2 was to revise 2.b in the Operating Procedures to specify the day of the week hold the meetings on.

i. Taylor proposed to keep it as open ended.

ii. Based on each meeting, the board can vote based on holidays and activities that are happening at the time.

iii. There was not a vote to revise 2.b to specify the day of the week hold the meetings on.

Decision: Do not specify the day of the week hold the meetings on in RAB Operating Procedures.

c. Taylor reviewed 7.a responsibilities of the USACE Chair, 7.b responsibilities of the Community Chairs, and (4.b) responsibilities of the RAB tri-chair. Vote 3 was to revise number of community chairs.

i. Rena clarified that there were multiple people that wanted to be a chair so that is why they revised to tri-chair. Denise specified that it is nice for when people are out of town.

ii. There was not a vote to revise the number of community chairs.

Decision: Do not revise the number of community chairs in RAB Operating Procedures.

d. Taylor called for nominations to fill the two open community chair positions.

i. Ellis Berry volunteered to fill one of the positions of community chair.

ii. Karen nominated Elise Contreras due to her expertise and focus on FUDS. Elise asked if the chair needs to live in Unalaska. Melissa specified that the Operating Procedures do not prohibit a remote chair.

iii. Denise Rankin asked for a motion to make Ellis Berry and Elise Contreras Tri-Chair members.

iv. David Gregory made a motion to welcome Ellis Berry and Elise Contreras to the Tri Chair. Jim seconded motion. Motion passed by consensus.

Decision: Ellis Berry and Elise Contreras are community RAB Chairs.

e. Taylor reviewed 7.c of the Operating Procedures discussing Responsibilities of RAB community members.

f. Taylor reviewed 5.c of the Operating Procedures discussing replacing absent members. Vote 4 was

to replace absent members.

i. David Gregory mentioned that it's not like we have people knocking down the door to be a member. Taylor clarified that it may be an issue reaching quorum if RAB members are not showing up.

ii. Denise asked if it said how many members we have on the RAB. Mel cited 4.a of the RAB Operating Procedures which stated, *"A RAB will consist of 5-10 members."* Currently there are 8 RAB members including the USACE Co-Chair.

iii. A quorum is defined as 4 community members plus the USACE chair.

iv. If there is not a quorum, informational meetings can still be held.

v. David made a motion to change the wording from 'will terminate' to 'may terminate' in 5.c of the Operating Procedures. Jim seconded the motion. Motion passed by consensus.

Decision: Replace "will terminate" to "may terminate" in 5.c of the Operating Procedures. Absent members were not replaced.

g. Taylor reviewed 4.c of the Operating Procedures discussing the local youth seat and Taylor asked for nominations.

i. David Gregory suggested advertisement to help find someone.

ii. Discussion on age range of youth seat for a high school.

iii. Rena suggested advertising for the seat.

iv. Denise said that the RAB might want to take into consideration that a youth might not want to be on the board for three (3) years, so they might want to revise that to one (1) year. Further discussion recommended the student government would be a good group to contact.

v. David suggested students needing to add to their resumes would be interested. Student government was a suggestion.

Action: Co-chairs to discuss advertisement of seat.

Action: Co-chairs to discuss revising the youth seat term from one (1) year instead of three (3) years.

11. Next RAB Meeting. Hybrid, August (Monday, Wednesday)

a. Next RAB Meeting. Hybrid, August on a Monday or Wednesday

b. Taylor spoke about wanting to coordinate with the Camp Q Dates, which is July 29-August 3, 2024.

c. Thomas recommended July 29th or July 31st.

d. Taylor decided that July 29th would be too busy with the Camp Q kickoff day. July 31st was also decided that would be too busy as well.

e. Mel suggested that the meeting previously was held the same day USACE did their presentation at the Camp

f. Laresa asked if anyone know what time Camp Q ended every day. Patti Gregory advised that the kids are back at the school by 4:30 every day.

g. Ellis Berry said the later date would be better for him because he may be out.

h. Ellis Berry made a motion to have the next meeting on August 5th. David Gregory seconded the motion. Motion passed consensus.

Decision: Next RAB Meeting being help August 5, 2024.

12. Next Steps/Action Item Review
    a. Donna reviewed the Action Items.
13. Other Announcements/Unplanned Items/Open Discussion
    a. Taylor states that USACE will have an open house at the library on May 14, 2024, at 12:00 pm
    b. Sarah Bernhardt confirmed she is the ADEC PM for Fort Learnard and introduced her colleague, Kathleen Iler-Galau.

The meeting was adjourned at 20:08

Decision Summary

Decision	Motion made by	Motion seconded by
Adopt, November 8, 2023, and February 21, 2024, minutes as written.	Ellis Berry	David Gregory
Keep RAB Meetings quarterly as specified in the Operating Procedures.	Ellis Berry	Jim Paulin
Do not specify the day of the week hold the meetings on in RAB Operating Procedures.	None	None
Do not revise the number of community chairs in RAB Operating Procedures.	None	None
Ellis Berry and Elise Contreras are community RAB Chairs.	David Gregory	Jim Paulin
Replace “will terminate” to “may terminate” in 5.c of the Operating Procedures. Absent members were not replaced.	David Gregory	Jim Paulin
Next RAB Meeting being help August 5, 2024.	Ellis Berry	David Gregory

Action Item Tracker

Action	Owner	Status
Melinda will reach out to Ellis about turnaround time at other similar sites on the Aleutians if investigations find additional contamination.	Melinda Brunner	Open
Forrest will reach out to Sarah Bernhardt to figure out who the DEC site manager is.	Forrest Kranda	Closed
Taylor will reach out to Ellis about excavating soil and his concern about it interacting with groundwater at Humpy Cove.	Taylor Borgfeldt	Open
Co-chairs to discuss advertisement of seat.	All RAB chairs	Open
Co-chairs to discuss revising the youth seat term from one (1) year instead of three (3) years.	All RAB chairs	Open
Melinda to send Art the Chernofski map with contaminated sites	Melinda Brunner	Closed
Dave to send Karen (APIA) the presentation and any reports on Strawberry Hill	David Holmes (Santec)	Open

Attachment 1

Poll Summary

US Army Corps of Engineers
Alaska District

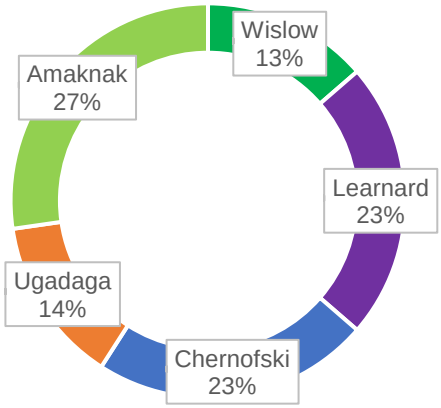
DRAFT Meeting Minutes
Qawalangin (regional) FUDS RAB Meeting
Monday, May 13, 2024

Attachment 1
Poll Summary

Poll 1: Amaknak FUDS Project Priority Ranking

Project Number	Amaknak FUDS Project	In person Community Ranking	Virtual Community Ranking
19	**Ballyhoo Spit**	**2nd**	**1st**
16	**Margaret Bay/Airport**	**1st**	**2nd**
14	Pyramid Valley/Port Levashef	3rd	3rd
18	Mt Ballyhoo	4th	3rd
17	Museum of the Aleutians	5th	5th

Poll 2: Which FUDS Property would you like to hear more about?



Poll 3: What topics are you interested in for the next RAB Meeting?

	In-person	Virtual	Total Votes
Project briefings	**4**	**4**	**8**
Walk-throughs of project reports out for comment or recently finalized	1	3	4
In-depth 3Rs training or guest speaker for 3Rs	**6**	**2**	**8**
In-depth technical presentation on a particular property/project	3	2	5
In-depth archaeology presentation on a particular property/project	2	3	5
Overview of the FUDS environmental process	5	1	6

Attachment 2

Virtual Chat Record

US Army Corps of Engineers
Alaska District

DRAFT Meeting Minutes
Qawalangin (regional) FUDS RAB Meeting
Monday, May 13, 2024

Attachment 2
Virtual Chat Record

Forrest Kranda (USACE) May 13, 6:04 PM
Sound is good

Jeremy Craner, USACE Alaska District May 13, 6:04 PM
Yes

Sarah Bernhardt, ADEC May 13, 6:09 PM
As a guest we can toggle between the two different screens being shared.

Sarah Bernhardt, ADEC May 13, 6:09 PM
It's under "View Options"
Then Shared Screens

Donna Van Flein May 13, 6:10 PM
Thank you

Karen Pletnikoff May 13, 6:13 PM
Can David Holmes email APIA this presentation and any reports on Strawberry Hill? Thanks! Karen Pletnikoff karenp@apiai.org

Melissa Scully, USACE May 13, 6:37 PM
Lidar, stands for **Light Detection and Ranging**

Jeremy Craner, USACE Alaska District May 13, 6:45 PM
The Navy has started offshore Si's in the Dutch Harbor area. I mistakenly said Coast Guard :)

Jeremy Craner, USACE Alaska District May 13, 6:47 PM
And thanks Mel!

Melissa Scully, USACE May 13, 6:57 PM
In 2000, soil and groundwater were sampled at specific Humpy Cove locations, including the site of the Power Plant UST. The highest remaining concentration of diesel range organics (ORO) in soil, 11,000 mg/kg, was collected from the center of the northwest wall of the Power Plant UST excavation at a depth of 14 feet below ground surface, just above the groundwater level. No contaminants were detected in the site's groundwater that exceeded screening criteria. The objective of the 2023 fieldwork is to remove residual ORO soil contamination to the extent practicable, including soil below the groundwater level all while ensuring protection of nearby wetlands and groundwater.

Karen Pletnikoff May 13, 7:19 PM
APIA wanted to vote: Margaret Bay/Airport as priority.

Sarah Bernhardt, ADEC May 13, 8:05 PM
This is Sarah Bernhardt, with ADEC. I am the Project manager for Fort Learnard, Ugadaga, and temporarily Cape Wislow. Additonally, I'd like to introduce Kathleen Iler-Galau, our new ADEC project manager for Amaknak FUDS sites and Chernofski Harbor FUDS sites.
May 13, 8:11 PM - meeting ended: 2h 53m