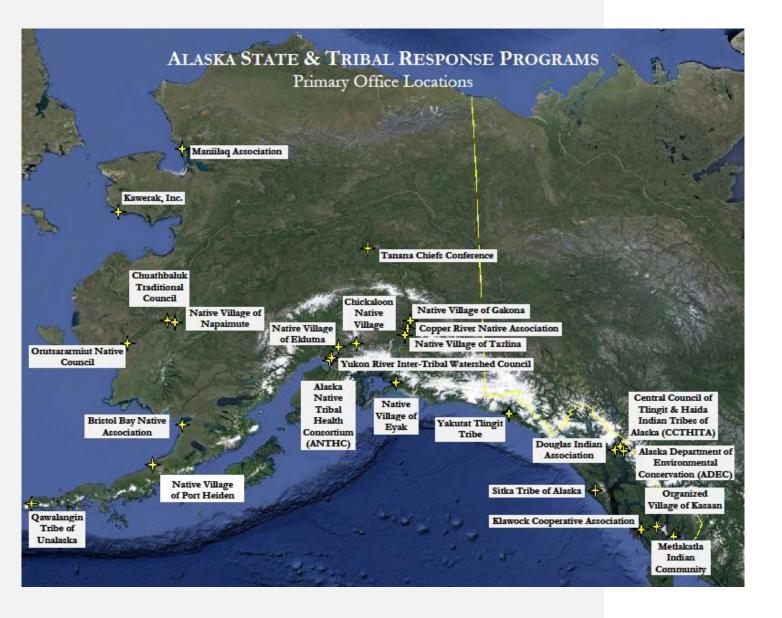
2019 STRP Workshop



ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Anne Marie Palmieri Christy Howard Lisa Griswold

ABOUT US

ADEC's Brownfields Program was started in 2003

DEC's Brownfields Assessment (DBA) service first projects were in 2005

The "C" for Cleanup was added to DBA Services in 2014

Anne Marie Palmieri

Environmental Program Specialist IV

Christy Howard

Environmental Program Specialist III

Lisa Griswold

Environmental Program Specialist III





SUCCESSES

- Provided ASTM I/II ESA training to TRPs in 2018
- Resumed management of DBAC projects which included:
 - Keku Cannery (Kake)
 - Yukon Trading Post (Circle)
 - Heinz Salvage Yard (Gakona)
 - Ruby (Ruby)
 - Chevak (Chevak)
 - Delta Junction Trespass Shooting Range (Delta Junction)
 - Discovery Campus Kasaan (Kasaan)
 - Klawock Old Clinic (Klawock)
 - Tanana Community Hall (Tanana)
 - Golovin Former Fish Processing Plant (Golovin)
- Began revamping website



CHALLENGES

- Managing 10 DBAC projects
- One field season
- Procurement process



Alaska Native Tribal Health Consortium



Joy BrittProgram Manager since 2014



Bailey RichardsProgram Coordinator since 2017



Our TRP Program

- Service unit spans 36 communities across southern and interior Alaska
- Services include:
 - Technical assistance (DBACs, funding requests, SOP development, etc.)
 - Creating inventory of contaminated sites
 - Identifying resources and connecting communities with potential partners
 - Site reuse planning and facilitating efforts for site remediation
- Tribal Technical Assistance to Brownfields: Alaska hub



Successes

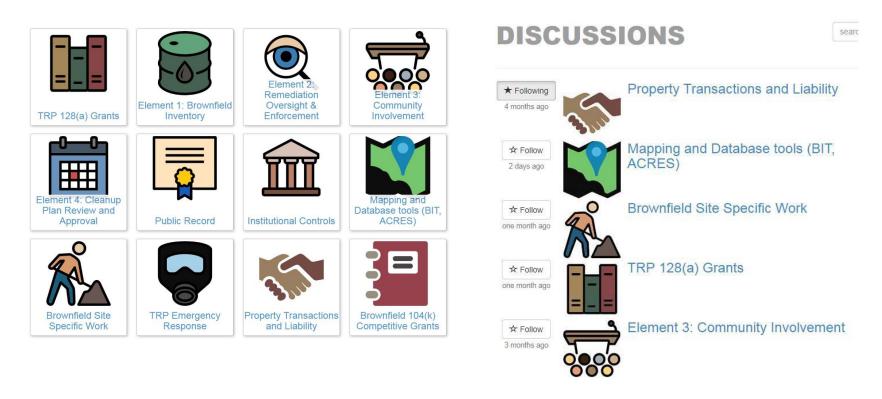
Success #1: Alaska Tribal Conference on Environmental Management



- Over 450 attendees
- Amazing brownfields presentations in Contamir Support track (liability, success stories, spill respondent track)
- Survived earthquake
- 128(a) work plan development training



Success #2: Tribal Brownfields Forum



https://www.tribalbrownfields.org/en/brownfields



Success #3: Developing Standard Operating Procedures

We can now assist TRPs with SOP development!

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Introduction to ANTHC and the Contamination Support Program	3
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Important Contacts

Tribal Response Program:

Mary Goolie, Brownfields Project Manager, State & Tribal Response Program Grant Coordinator; Alaska Brownfields State Lead

goolie.mary@epa.gov, (907)-271-3414

Terri Griffith, Assessment, Cleanup, & Revolving Loan Fund Grants Coordinator; Idaho Brownfields State Lead

griffith.terri@epa.gov, (206) 553-8511

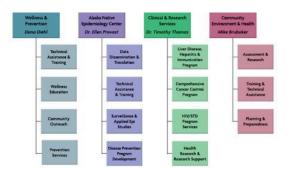
<u>Brandon Perkins</u>, Targeted Brownfield Assessments Lead <u>perkins.brandon@epa.gov</u>, (206) 553-6396

Susan Morales, Assessment and Brownfields Unit Manager morales.susan@epa.gov, (206) 553-7299

<u>Kayla Patten</u>, Brownfields Project Manager <u>Patten.kayla@epa.gov</u>, 206-553-2871

<u>Lisa Griswold</u>, Environmental Program Specialist, ADEC Contaminated Sites Program lisa_griswold@alaska.gov, (907)-269-2021

Christy Howard, Environmental Program Specialist christy howard@alaska.gov, (907)-465-5218





Challenges

- Website updates
 - How do we structure our webpage and resources to be helpful for new TRP coordinators/visitors to our site?

https://anthc.org/what-we-do/community-environment-and-health/brownfield-contaminated-sites/

- Gathering feedback on desired brownfield assistance
 - How can we help you? Let us know!

https://www.surveymonkey.com/r/JH8CS6L



Contact Information

Joy Britt jdbritt@anthc.org 907-729-5630

Bailey Richards

bkrichards@anthc.org
907-729-4008





CaSandera
Johnson;
Brownfield
Coordinator





BBNA's Brownfield Website

https://www.bbna.com/our-programs/natural-resources/brownfields-program/



BROWNFIELDS PROGRAM

You are here: Home > Our Programs > Natural Resources > Brownfields Program

Brownfields Program Coordinator: CaSandera Johnson

What the Heck Is a Brownfield?

A Brownfield is piece of land that a community, organization, or agency wants to redevelop or reuse but cannot because the land is either contaminated or perceived to be contaminated by a hazardous substance, pollutant, or contaminant. Some examples of a brownfield site could be abandoned illegal dumpsites, abandoned tank farms, old canneries, buildings that contain contaminants like lead-based paint and asbestos materials, or abandoned gas stations. When these sites are identified, the site has to have a reuse or redevelopment plan which could be using an existing building as a community meeting hall, recreational center, or using the property for a community garden, developing affordable housing, or returning the site back to its traditional subsistence use.

Often, it is the perceived contaminants on a property that hinder redevelopment of the property. Through the brownfield process we can clear stigma and the property can be returned to productive use.

Below is the basic process to get these brownfield sites back to reuse.

- 1. Identify Brownfields & tie to Redevelopment Goals
- 2. Investigate (conduct site assessments)
- 3. Cleanup (if necessary)
- 4. Redevelop

Example of brownfield sites in the Bristol Bay area (click photo for more information):



Pilot Point - Old Alaska Packers Canners

Submitting a Site to BBNA Inventory

If anyone is concerned about a potentially contaminated site and wants it on BBNA's Brownfield Inventory, please download the site questionnaire survey link and fill out the information the best that you can. The more detailed information the better we can determine eligibility for brownfield services.

Does Your Village Have Contaminated Sites with Redevelopment Potential?

There are two services that can assist in conducting site assessments:

EPA's Targeted Brownfield Assessment (TBA), which is a service providing an environmental assessment that fits the requestor's needs. This service can be applied for any time of the year.

TBA Brochure

Link for Application

Alaska Department of Environmental Conservation (DEC) provides a Brownfield Assessment and Cleanup (DBAC) service that assist with hiring a contractor for environmental assessments or cleanup for eligible brownfield sites. The deadline to apply for services is March 1st.

DBAC Factsheet

DBAC Application

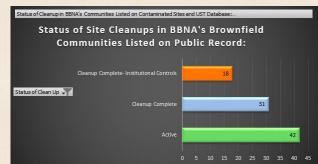
Public Record

BBNA's Brownfields Program services 20 of our Bristol Bay communities. The Public Record is a spreadsheet that contains information about contaminated sites and what kind of action has been done with these sites. Information found on the Public Record is from the DEC Contaminated Sites Database and more detailed information can be found on the Alaska Department of Environmental Conservation Website.

Brownfields Public Record - April 2018

Click map for Brownfields Interactive Map:





Brownfield Links

U.S. EPA Brownfield Homepage: http://www2.epa.gov/brownfields

U.S. EPA Land Revitalization Homepage: http://www2.epa.gov/land-revitalization

Alaska DEC Brownfields Homepage: http://dec.alaska.gov/spar/csp/brownfields.htm

Center for Creative Land Recycling Website: http://www.cclr.org/

Contact Information

If you have any questions about the BBNA Brownfields Program or if you have a concern about a contaminated site, please call CaSandera Johnson at (907)842-5257 ext. 348, or toll-free 1-800-478-5757 ext. 348.

2019 Successes So Far...

Submitted Public Comment

Presented at TELS

Started Conversations
With DLG City on Potential
Brownfield Site

BRISTOL BAY NATIVE ASSOCIATION P.O. BOX 310 DIELINGHAM, ALASKA 99576

Aleknagik
October 31, 2018
Chionik Bay

Egegi

Ekwak

lgiugig

Ivanof Bay

King Salmoi

Koliganek

Levelock

Naknek

New Stuvaho

Pedro Bay

Perryville

Pilot Pain

Port Heiden

Portage Cree

South Naknek

Sally Schlichting Alaska Department of Environmental Conservation

Chignik Lake PO Box 111800 Juneau, AK 99811-1800

> Re: Notice of Public Comment adopting regulation changes in Title 18, Chapter 75 of the Alaska Administrative Code dealing with six per- and poly-fluoroalkyl substances (PFAS)

Dear Ms. Schlichting and ADEC staff colleagues,

I am writing a public comment on behalf of Bristol Bay Native Association (BBNA) concerning adopting regulation changes for six per- and poly-fluoroalley! substances (PFAS), BBNA is a Tribal Consortium, made up of 31 Tribes and serves as a non-profit corporation to provide a variety of educational, social, economic, and related services to the Native people of Bristol Bay Region of Alaska. The BBNA Department of Natural Resources mission is to protect the rights of Bristol Bay villages to choose how to continue to meet their subsistence, cultural, and economic needs.

BBNA fully supports the proposal to adopt regulation changes dealing with the PFAS contaminates, PAFS have been found to be persistent in the environment especially in water sources and bioaccumulates in food sources. Access to clean water and contaminate free subsistence foods is essential for healthy communities. If PFAS contamination exists in our communities and it has the potential to cause adverse health effects then action must be taken to protect our people and the subsistence food we rely on. For this reason, BBNA is in favor of this regulation change.

While we support this regulation change, BBNA would like clarification on two subjects. First, we want to know if this new regulation will result in having PFAS testing done for public water systems around the state of Alaska. Secondly, as most contamination of PFAS have resulted from emergency response efforts to extinguish fires with the use of Aqueous Film Forming Foam (AFFF), BBNA would like clarification on who would be a responsible party when AFFS was utilized during a fire.

If any further information is need please contact CaSandera Johnson, Tribal Environmental Response Program Coordinator at 907-842-5257 or at cjohnson@bbna.com. Thank you for this opportunity to provide public comment.

Sincerely,

Togiak

Twin Hills

Preside

Ugashik

Bristol

President & CEO Bristol Bay Native Association

January 2018

The U.S. Army Corps of Engineers (USACE) released Pebble's 404 Dredge and Fill permit application for public review and initiated Environmental Impact Statement (EIS) process.

Spring 2018

USACE conducted a 90-day "scoping" period to determine the area and impacts that should be considered in the environmental review. Thousands of people weighed in with concerns about the mine proposal in written comments and public testimony.

Summer-Fall 2018

Summary scoping report ignored concerns from Bristol Bay residents, fishermen, and technical experts. USACE & cooperating agencies developed Draft EIS.

Permitting Process for the proposed Pebble Mine

February 2019

USACE expected to release DRAFT EIS to the public. This timeline, publicized by the Army Corps, is much faster than any prior mine of this size. For comparison the Donlin EIS took 6 years and Pebble's is on-track to take 2.5

March 2019

USACE will hold a 90-day comment period on the Draft EIS, beginning in March. The DEIS will provide information on multiple options for the mine and its related infrastructure, including a NO ACTION alternative, which means no mine can be built.

Public comments needed & public hearings will be held. This is the time to make your voice heard that no mine (the "no action alternative" is the only option to Protect Bristol Bayl

HOW DO WE PROTECT THE WORLD'S LAST GREAT SALMON RUNS AND ALL THEY SUSTAIN?

1. COMMENT AND/OR TESTIFY TO STOP PEBBLE IN THE DRAFT EIS COMMENT PERIOD!

2. CALL ON DECISION MAKERS TO STOP OR SUSPEND THIS SHAM PERMITTING PROCESS!



Early 2020

USACE revises EIS and releases the final version.

Mid 2020

USACE issues record of decision. The agency can: issue a permit, issue a permit with conditions, or deny the application.

For more info: www.pebbleprojecteis.com www.utbb.org





Challenges So Far...

Time Management!





Chickaloon Native Village Tribal Response Program

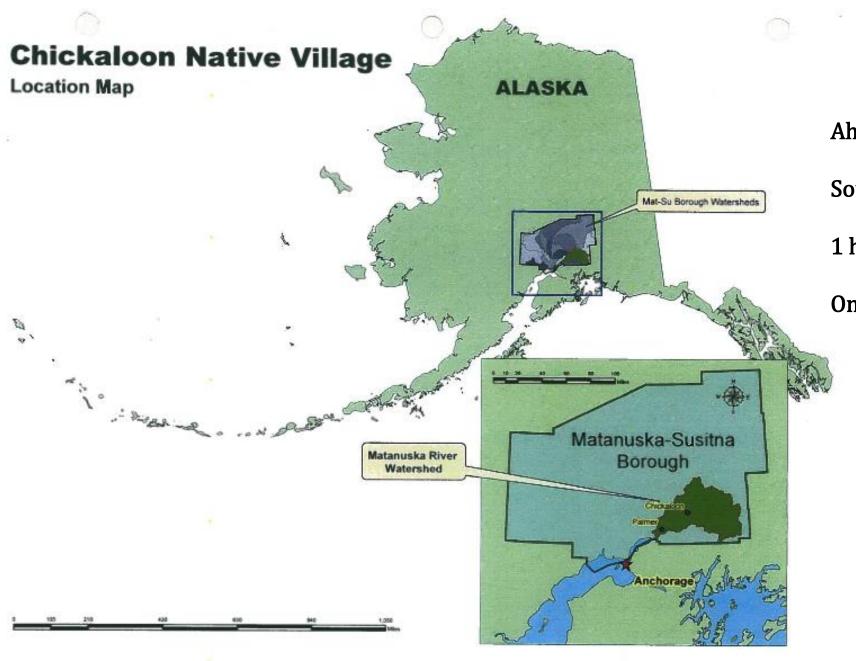




Richard Chiolero
TRP Coordinator (since April 2019)
rechiolero@chickaloon-nsn.gov
907.745.0737



Jessica Winnestaffer
Environmental Stewardship Director
jewinnestaffer@chickaloon-nsn.gov
907.745.0737



Ahtna Athabascan Tribe

Southcentral Alaska

1 hour from Anchorage

On the road system

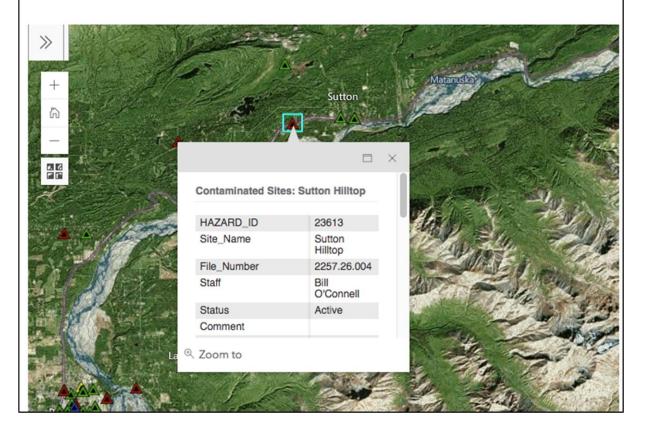
Matanuska River Watershed Focus Area

Chickaloon Native Village Tribal Response Program

- TRP Webpage
 - http://www.chickaloonnsn.gov/tribal-response-program/
- TRP Public Record and Inventory
 - Scroll to bottom of TRP Webpage for Public Record
 - Enlarge Public Record map and DEClisted contaminated site details

Public Record

The Public Record is an interactive map that contains information about contaminated sites and what kind of action has been done on these sites. Information found on the Public Record is from Alaska DEC Contaminated Sites Database.



Chickaloon Native Village TRP Success Stories

- Developing good working relationship with DEC staff members & communicating about a contaminated site on Tribal lands
- Outreach Events = successful for teaching the community about brownfields AND for accumulating contaminated site information.
- Hosted Spill Prevention and Cleanup Training for several Tribal Departments

Chickaloon Native Village TRP Challenge

- Our TRP webpage doesn't generate data about sites of concern from community members.
 - We have an on-line form anyone can fill out, but no one has used it yet.
 - Instead face to face discussions are the best way to gather information.

Chuathbaluk Tribal Response Program

2019 Alaska STRP Workshop

Tracy Simeon, Tribal Administrator

Patricia Yaska, TRP Coordinator

The Chuathbaluk Tribal Response Program

https://www.curarpaluk.com/brownfield

Native Village Of Chuathbaluk

Home About Us Programs Photo gallery Contact Tribal Response Program What is a Brownfield? The Environmental Protection Agency (EPA) defines a brownfield as real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. There are three (3) ingredients of a Brownfield: 1. Underutilized Land or Building 2. Known or Suspected Contamination 3. Plan to reuse the property **Examples of Brownfields include:** Abandoned Electric Generators with hazardous materials · Petroleum spills and old fuel storage areas **Chuathbaluk Traditional Council TRP Goals:** The goal of this program is to inventory, assess, plan, and ultimately, to facilitate the cleanup of prioritized/pertinent Brownfields sites in a streamlined and cost-effective manner, thus reducing associated health issues. Due diligence will focus on sites in and around Chuathbaluk that affect the Native Village of Chuathbaluk and neighboring villages either upstream or downstream from Chuathbaluk that may at any time be adversely affected by identified potential Brownfields sites. Additional goals include the building of partnerships with entities that possess a shared vision; a vision of environmental cleanup up of areas impacting traditional subsistence activities and the establishment of baseline data for potentially future use areas. What can you do? State of Alaska Contaminated Sites Program Site Inventory You can share your knowledge! Help build our Contaminated Sites Public Database by reporting any land sites or buildings that may have real or perceived Want to Report a spill? Click Here contamination Report a site · Report any hazardous substance spills and petroleum/Fuel spills for response action or clean up.

Chuathbaluk Brownfield Inventory

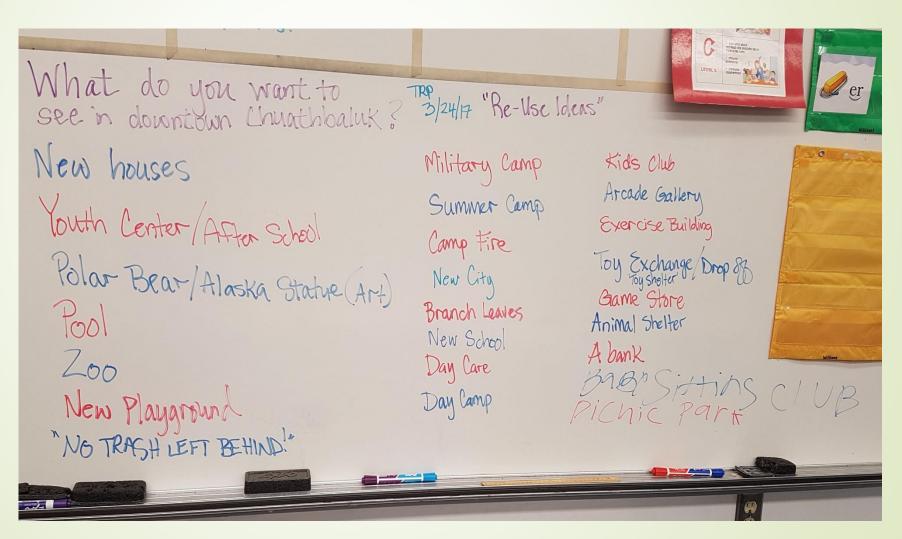
- https://www.curarpaluk.com/brownfields-site-inventory
- We are currently using the Brownfield Inventory as the Public Record because there are currently no response actions to any of our sites.

Chuathbaluk Traditional Council TRP Potential Brownfields Inventory updated March 2019

Case #	Name Of The Site	Site Location: Chuathbaluk AK	Site Control/Owner	GPS Location	potential contaminents
					DRO/GRO/PCBS/Lead
CCS1	Former MKEC Electric Generator	Across From Landfill	MKEC/City of CHU?	LAT: 61°34'23.11"N Long: 159°14'30.11"W	acid Batterys unknown
CCS1.2	Former MKEC Fuel Tank Farm	Across From Landfill	MKEC/City of CHU?	LAT: 61°34'22.98"N ong:159°14'28.51"W	DRO/GRO/PCBs/Unknown
CCS2	Former Laundromat/ Repair Shop	By Old Grave yard/Current Resid	Russian Orthodox Church/City of Chuathbaluk	LAT: 61°34'19.54"N LONG: 159°14'40.40"W	DRO/GRO/unknown
CCS3	Former Burned Down Electric Genera	Crow Village Sam School	Kuspuk School District	LAT: 61°34'21.35"N LONG: 159°14'55.00"W	DRO/GRO/ unknown
CCS4	Former Fuel Tank Farm	Crow Village Sam School	Kuspuk School District	LAT: 61°34'24.93"N LONG:159°14'58.39"W	DRO/GRO/unknown
CCS5	Former Fuel Tank Farm	Downtown	Russian Orthodox Church	LAT: 61°34'23.66"N LONG: 159°14'38.78"W	DRO/GRO/ unknown
CCS6	Former Landfill	East of the Gas Station	City of Chuathbaluk	LAT: 61°34'15.49"N LONG: 159°14'21.79"W	DRO/unknown
CCS7	Former Fuel PipeLine	Across from gas station	City of Chuathbaluk	Need to get coordinates	unknown
CCS8	Former Fuel Tank Farm	By Gas Station	MKEC	LAT: 61°34'15.98"N LONG: 159°14'32.34"W	DRO/GRO/unknown
CCS9	Former Airport Shop	Former Airport	Unknown	LAT: 61°35'0.58"N LONG: 159°14'15.87"W	DRO/GRO/ unknown
CCS10	Abandoned Gold Mine	Russian Mountains	Calista Corporation/The Kuskokwim Corporation	LAT:61°39.179" N LONG 159°06.844"	mercury/unknown
CCS11	Barge Landing Site for Fuel Transfer	Beach in front of Chuathbaluk	City of Chuathbaluk	LAT: 61°34'12.73"N LONG: 159°14'33.90"W	DRO/GRO/unknown
CCS12	Former Barge fuel Drop off #1	Beach in front of Chuathbaluk	Unknown	Need to get coordinates	DRO/GRO/unknown
CCS13	Former Barge fuel Drop off #2	Beach in front of Chuathbaluk	Unknown	Need to get coordinates	DRO/GRO/unknown
CCS14	Former AA Building	Downtown Chuathbaluk	Russian Orthodox Church/Private Owner	Lat: 61°34'22.40"N LONG:159°14'39.57"W	Unknown

SUCCESS!

 Successful Brownfield School Presentations that resulted in Re-Use ideas for the Former Laundromat Site (FY16/17, Element 3)



SUCCESS!

We wrote in our workplan to hire an Environmental Technical Consultant. After putting out an informal bid, we hired Kendra Zamzow, Center For Science in Public Participation (CSP2). She submitted Effective Written Comments on the Donlin Gold Environmental Impact Statement (EIS) on behalf of the Chuathbaluk Traditional Council (FY17/18, Element 2)

CENTER for SCIENCE in PUBLIC PARTICIPATION

PO Box 1250 Chickaloon, AK 99674

Fhone (907) 354-3886 / web: www.csp2.org / e-mail: kzamzow@csp2.org
"Technical Support for Grassroots Public Interest Groups"



May 17, 2018

Chuathbaluk Tribal Administration #1 Teen Center Trail Chuathbaluk, AK 99557

Re: Donlin's plan to make up for destroying wetlands and streams

Dear Patricia and Tracy:

In the course of building the Donlin mine, wetlands and streams will need to be destroyed to put in the open pit, waste rock, and tailings will go, along with the areas where there will be worker housing, a water treatment plant, and the mill where the gold is extracted from the ore.

The amount of destruction is greater than has occurred for any project in Alaska – ever — that I am aware of). It is so large, that it is nearly twice as much as the EPA would have allowed at the Pebble mine.

 Donlin will destroy 2,676 acres of wetlands and nearly 30 miles of streams – most or all are streams with fish.

Of this,

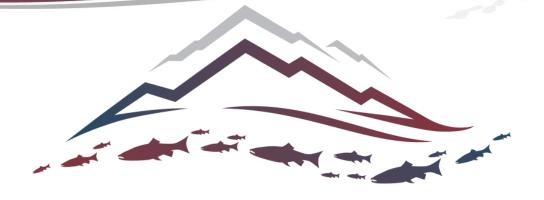
- There will be 823 acres of wetlands and 3 miles of streams that will be "replaced" in 27-30 years, so they are considered "temporary" impacts. Although I wonder how effective it is to try to put the landscape back together after that much time; it would depend on the level of destruction.
- There will be 1,853 acres of wetlands and 29.7 miles of streams that will be permanently destroyed. Virtually all of that is at the mine site, with a small amount along the transportation route (dock and mine access road).

SUCCESS!

We received Public Input on the top 2 sites in our Inventory during the February 2019 Chuathbaluk Traditional Council Meeting (we've never had feedback on those 2 sites yet) & found out there was a change in land ownership, but we need to research it more to see if it's eligible to be a Brownfield.

Challenges

- Multiple TRP Coordinator turnovers until Patricia was hired in 2015.
- Low public participation
- Lack of public knowledge of what the TRP is and it's purpose.



COPPER RIVER NATIVE ASSOCIATION

Glennallen, AK.

www.crnative.org

Successes

- Getting the TRP grant back in 2018 was a great accomplishment, after it had not been applied for in 2017.
- Total revamp of the Public Record.
- White Good Exodus removal of 75 items.

Challenges

• Turn over in Project Officers

Sharla Huckabey TRP Coordinator

Shuckabey@crnative.org

907-822-8826



DOUGLAS INDIAN ASSOCIATION



Brownfield
Tribal Response Program



BROWNFIELD TRIBAL RESPONSE GRANTEE: 8 YEARS JUNEAU/DOUGLAS, ALASKA

• TRP COORDINATOR



KAMAL LINDOFF
Email: klindoff@diataku.com
Phone: (907) 364-3567

ENVIRONMENTAL SPECIALIST



BERNADINE DEASIS

Email: bdeasis@diataku.com

Phone: (907) 364-2916

DIA BROWNFIELD STATE & TRIBAL RESPONSE PROGRAM

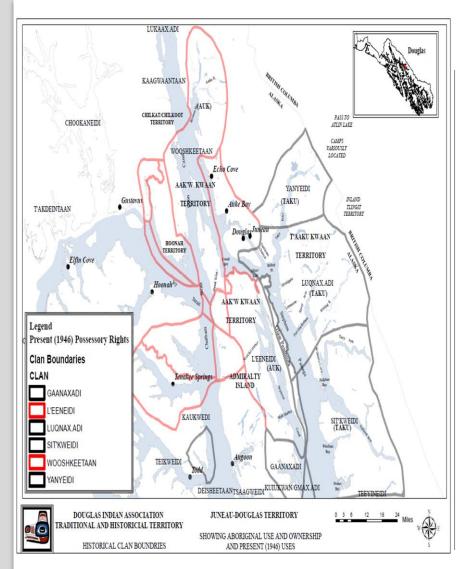
Douglas Indian Association Public Record June 2018

	Coordinates		Action	Action
Site Name and Identification	Latitude	Longitude	Completed 2010- 2017	Scheduled for 2018
Treadwell Mine Complex	58.267	-134.381	Х	
Greens Creek Mine	58.079	-134.631	Х	
Sandy Beach	58.272	-134.381	Х	Χ
Grizzly Bar	58.391	-134.039	Х	
Sunny Cove	58.306	-134.146	Х	
Peter Naoroz Property	58.258	-134.323	Х	



DIA TRIBAL SITES PUBLIC RECORD

WEBSITE LINK: https://diataku.com/





↑ DIA TRIBAL TERRITORY ↑

~~~ <u>↑ DIA TRP SITE MAP</u>↑





#### **DIA SUCCESS STORIES**

SAMPLE ANALYSIS WAS PERFORMED FOR METALS ASSOCIATED WITH MINING DISCHARGE: METHYMERCURY, INORGANIC ARSENIC, AND LEAD TO ASSESS THE POTENTIAL RISK TO THE ECOLOGICAL HEALTH AND/OR TRIBAL MEMBERS THROUGH DIRECT CONTACT WITH SEDIMENTS OR THROUGH CONSUMPTION OF LOCAL AND TRADITIONAL FOODS.

- ► INTERTIDAL SEDIMENT SAMPLING AT SUNNY COVE & GRIZZLY

  BAR LOCATED ON THE SHORELINE OF TAKU INLET
- SANDY BEACH SEDIMENT, CLAM TISSUE & CRAB TISSUE SAMPLING (BOTH 2014 & 2016)
- > PETER NAOROZ (SHEEP CREEK) SEDIMENT SAMPLING
- **HYDROLOGY RESEARCH ON TAKU RIVER (1998-2003)**

To establish a baseline for assessing potential mining impacts on water quality



#### **THANK YOU**



#### **TRP EMAILS:**

klindoff@diataku.com or bdeasis@disatsku.com



Website: <a href="https://diataku.com/environmental-dept/">https://diataku.com/environmental-dept/</a>

Please contact the DIA office with any comments, concerns or questions

Records can be viewed at the Brownfield office located in the Tribal Office.

GASTINEAU CHANNEL IN JUNEAU, ALASKA

<u>This Photo</u> by Unknown Author is licensed under <u>CC BY-SA</u>



Native Village of Eklutna (NVE) is a Dena'ina Athabascan Alaska Tribe. Eklutna is the last traditional Dena'ina village in the Anchorage area. It is located in Southcentral Alaska, along the Knik Arm of the Upper Cook Inlet, 25 miles northeast of Anchorage proper.

NVE's Land and Environment Department houses the TRP program, with two full time staff members; Marc Lamoreaux and Carrie Ann Brophil.

#### Current NVE Focus Projects:

- Old Matanuska Townsite
- Eklutna Army Site (NALEMP)

#### Looking to the future:

- Matanuska River Dump
- Projects within Anchorage

#### **NVE Land and Environment Website**

With Public Record and Inventory

http://eklutna-nsn.gov/departments/land-and-environment/contaminated-sites/

#### **Success Stories**

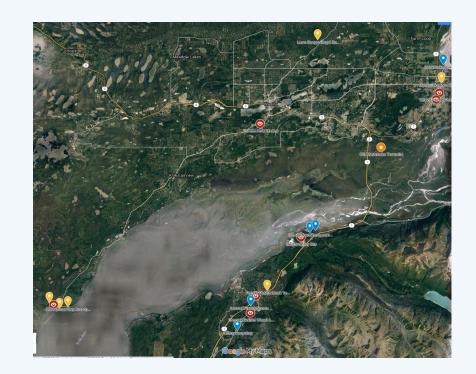


#### **Eklutna Army Site** (Formerly Used Defense Site, FUDs)

- Coordinated FUDs investigation of widespread TCE soil and groundwater contamination with Tribe.
- Developed successful NALEMP Cooperative Agreement applications to address possible contamination sources.

#### **GIS Contaminated Sites** Mapping

 We worked with our TRP GIS consultant and the ADEC Contaminated Sites Database to GIS map all the open contaminated sites and sites of concern to NVE in the Cook Inlet watershed and NVE traditional territory.



#### Old Matanuska Townsite

The Old Matanuska Townsite was identified as the best EPA and ADEC Brownfield candidate among NVE prioritized contaminated sites. A private party, now insolvent, stockpiled large amounts of contaminants, including military surplus petroleum products, PCBs, antifreeze, junk vehicles, glycol and other hazardous substances in a partial wetland. Eklutna, Inc. owns nearby properties that may be secondarily impacted by contaminants. Eklutna, Inc. commissioned a Chilkat Environmental Phase 1 Environmental Site Assessment leading to several agencies, including ADEC, EPA and Matanuska-Susitna Borough removing much of the source contaminants and some contaminated soil. NVE TRP evaluated impacted landowners' and agencies' interest in designation of affected site area as a brownfield with potential as a compensatory wetlands restoration and conservation mitigation area.

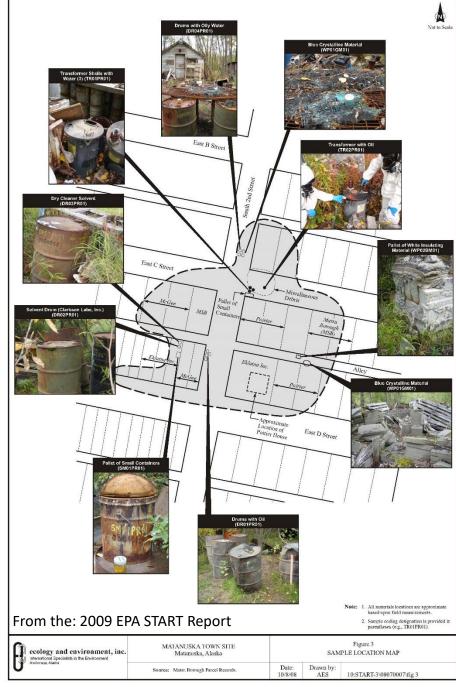
#### Next Step:

A TBA was completed and submitted in 2018, with approval from the EPA in the fall 2018. The proposed work going forward is to drill three wells in the vicinity to test for groundwater contamination and to post no dumping signage to hopefully reduce any ongoing dumping by other parties.



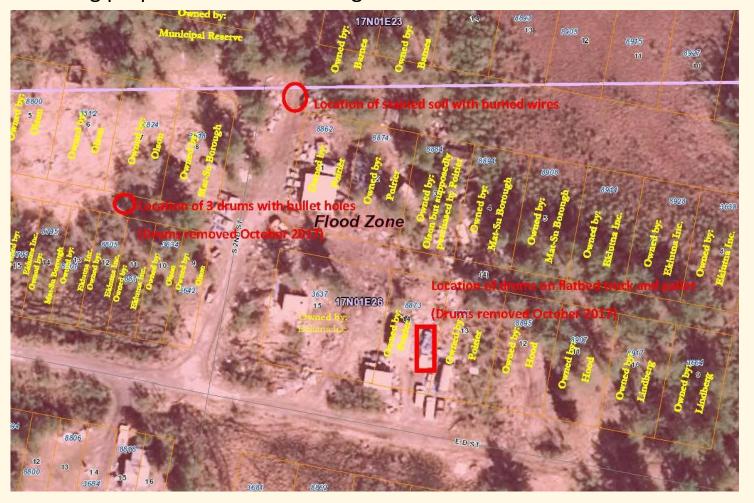






Left: A diagram from the 2009 EPA START Report showing the location of the debris at the Matanuska Townsite, overlaid on a parcel map.

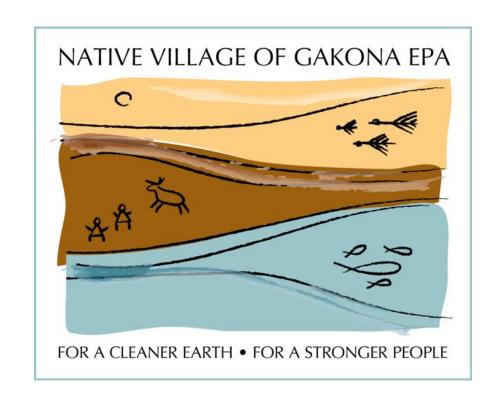
Below: a 2018 areal image of the site underlaid with a parcel map showing proposed areas for drilling.



## Native Village of Eyak's State and Tribal Response Program in Cordova, Alaska

- Ivy Patton is the Environmental Coordinator, who manages the Brownfield (since 2010) and NALEMP (2019) programs. She also assists with the IGAP program and the Chinook Escapement Program on the Copper River.
- NVE's public record and webpage can be found at https://nveyak.com
- Challenges include getting landowners with potential contaminated sites to work with me.
- Successes include two 24-hour Spill Response trainings and one 40-hour HAZWOPER training in Cordova, one successful DBAC application for illegal dump sites on native lands, and a successful home heating tank safety awareness program.

## Who We Are



The Native Village of Gakona (NVG) has a Tribal Response Program (TRP) dedicated to identifying Brownfield sites. Our TRP is committed to Gakona, Mentasta and everything in between totaling 346,793 acres.

## Contact Info

#### **NVG's Website:**

https://nvgakona.com/

#### **Link to Our Public Record:**

https://nvgakona.com/trp/

#### **Brandie Radigan – Environmental Coordinator**

gakonaec@gmail.com

**Derrick Sinyon – Environmental Assistant** 

gakonaepa@gmail.com

## Success Stories

- 1 Property access to the Heinz Site
- 2 Successful DBAC application that allowed to get test results for the Heinz Site
- 3 Completely rebuilt website and Public Record that is easily navigable and user friendly.

## Challenges



## HI! MY NAME IS LANEICE CONGDON

I work for the Organized Village of Kasaan, on Prince of Wales Island

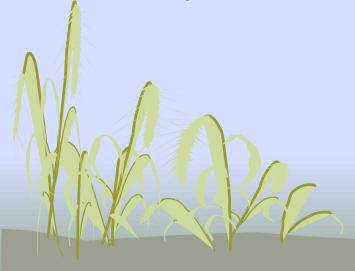


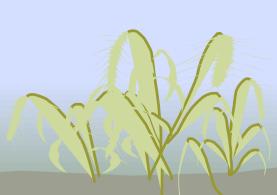


## BROWNFIELDS COORDINATOR/TRP

#### **Success Stories:**

- Prince of Wales Island Wide Mining Symposium
- Discovery Campus DBAC
- Collaboration w/ local school district and city to start the process of cleaning up an asbestos contaminated library.





# Prince of Wales Island-Wide Mining Symposium

- 9<sup>th</sup> Symposium put on by OVK's brownfields program.
- Share and learn about mining issues in southeast and throughout the region.
- Information on environmental contamination due to mining.
- What mines are doing to protect the environment.



## DISCOVERY CAMPUS



The Discovery Campus is tribal land that will be our main tourist gathering place. The reuse of this land is being held-up due to petroleum contamination.

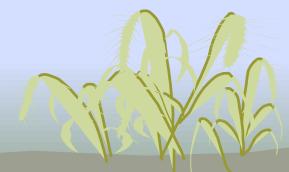
An assessment DBAC has been granted and we are just waiting for its completion.

## Library Cleanup



Collaborating with the school district, city and tribe in getting the asbestos cleaned up in our library.

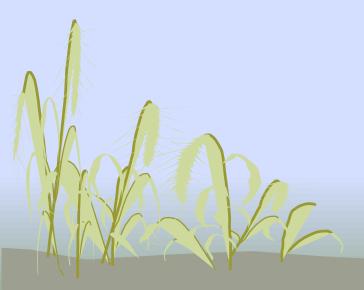
- Community participation
- Getting land owners to cleanup their land.
- Finding sites that are available for cleanup.

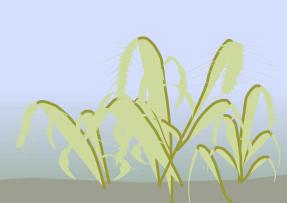


## Public Record and Website

https://kasaan.org/brownfields-program

Kasaan.org







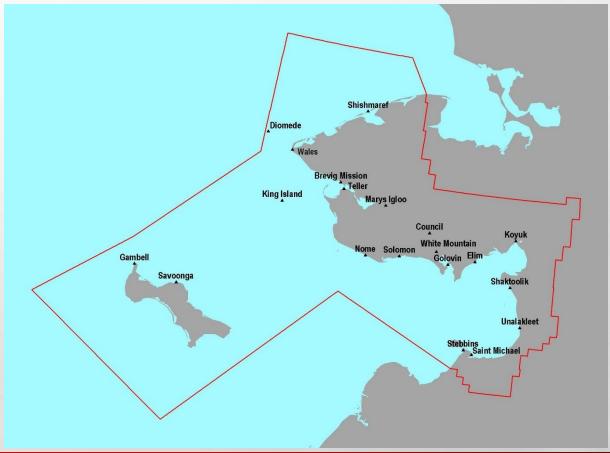
# JULIUS JOHNSON JR. TDIRAL RESDANSE PRAGRAM

TRIBAL RESPONSE PROGRAM
BROWNFIELD COORDINATOR





**The Bering Strait Region:** 



## KAWERAK BROWNFIELDS PROGRAM

#### **PUBLIC RECORD**

HTTPS://TRPCOORD.WIXSITE.COM/KAWERAK-BROWNFIELDS

**INVENTORY** 

HTTPS://TRPCOORD.WIXSITE.COM/KAWERAK-BROWNFIELDS/COPY-OF-CONTACT

## CHALLENGES

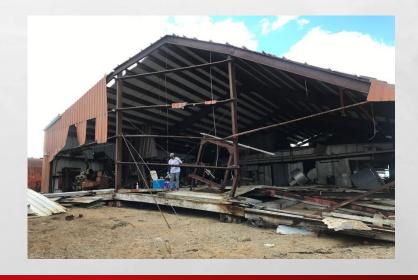
 DETERMINING THE LIABLE PARTY RESPONSIBLE FOR CONTAMINATION ON THE OLD AVEC TANK FARM IN ELIM.





## SUCCESSES

- WORKING WITH DEC AND THE COMMUNITY
   ON UNDERSTANDING ASSESSMENT RESULTS
- WORKING TOWARDS REMEDIATION!



## THANK YOU!

## **QUESTIONS?**

FOR MORE INFORMATION CONTACT: JULIUS JOHNSON, JR. AT <u>JJOHNSON@KAWERAK.ORG</u> OR CALL (907) 443-4259



# STRP/Brownfields Coordinator

Klawock Cooperative Association
Brian Holter Jr

#### klawocktribe.org

#### Brownfields

Potential Brownfields sites around Klawock

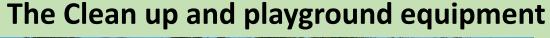


## 3 Success stories



## Klawock IGAP Unmet Needs Grant, City of Klawock and Brownfields

**Abandon vehicles at City Trailer Park** 









#### Kasaan and Klawock STRP/Brownfields POW Mining collaboration

The two Tribes have worked together on many projects, this year the two have decided to join forces on the Annual POW Mining Symposium.

Held at Craig Tribal Hall

April 23<sup>th</sup> thru 25th



## City of Klawock and Tribe remove old dangerous boats



## Biggest challenge getting all stakeholders to work together.





## Be patient and good luck!





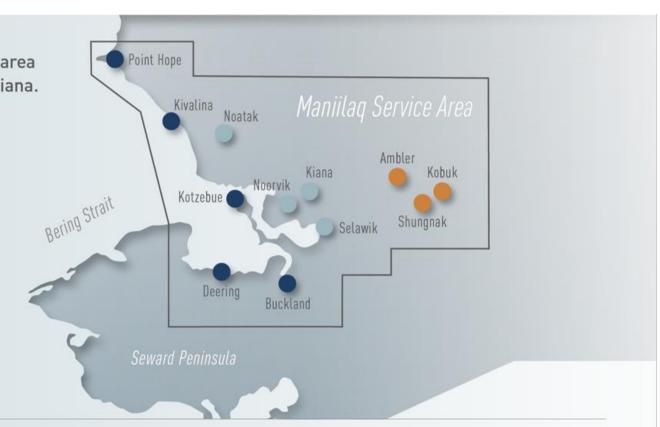
## Maniilaq Association

Office of Environmental Health

#### Maniilaq Service Area

The Maniilaq Service area encompasses a remote area of 36,000 acres — about the size of the state of Indiana.

- There are no roads connecting the villages to each other or outside of the region.
- The Maniilaq Health Center is located in Kotzebue, which is the hub city of the region.
- The nearest health referral services are located over 500 miles away in Anchorage.
- Subsistence activities are a vital part of the region's lifestyle. Residents rely on caribou, moose, reindeer, bowhead and beluga whales, birds, seal, berries, greens and fish.
- 82% of the population is Iñupiat.





**Chris Dankmeyer** Environmental Health Manager



**Stan Tomaszewski** Recycling/Brownfield Coordinator



https://www.maniilaq.org/community-health/

#### Brownfield / State and Tribal Response Program

- We identify, inventory, and respond to environmental contamination concerns in the region.
- We help educate local organizations and the general public about contaminated sites and Brownfield sites in the region
- Building a tribal ArcGIS platform to enhance our contaminated site inventories and public participation

Activities completed using Section 128(a) Tribal Response Program funding include the following inventories in the following villages: BUCKLAND, DEERING, KIVALINA, KOBUK, NOATAK, NOORVIK, SELAWIK SHUNGNAK Public record For more information, contact 907-442-7173.

https://www.maniilaq.org/community-health/



Maniilaq Association P.O. Box 256 Kotzebue, Alaska 99752 (907)442-7639

Report Date: September 5, 2009

Submitted by: Stanley Tomaszewski; Brownfield Coordinator

Subject: Deering Brownfield Inventory visit 9/02/2009.

Upon arrival, and noting present vacancy in IGAP environmental coordinator position, Maniilaq Assoc. Brownfield Coordinator met with Deering IRA rep. Susie Barr and Maniilaq Assoc.'s Ruth Barr to assist with Brownfield Inventory and assess back haul-recycling activities. Went over survey forms completed by Calvin Moto Sr., not available this visit, during April 1-2, 2009 Brownfield workshop held in Kotzebue; Potentially contaminated sites identified in partially completed survey forms were visited and are described below.

1. Abandoned Bulk Fuel Tank Farm - This tank farm located at the west end of town and approx. 100 yards from Kotzebue Sound to northeast was site of previous IRA bulk fuel storage tanks that were taken out of service cleaned, cut up and shipped out in '2003', and believe prior to or during placement of the adjacent new power generation plant with accompanying upgraded bulk fuel storage. Presently the 13 vertical 5k gallon and three approx. 15k gallon horizontal tanks now on site arrived after being moved for a third time from various locations around town. These out of service tanks, adequately supported on timber bolsters, have been cleaned evidenced by man way entry doors cut in each for that purpose then welded closed await future disposition; possibly backhauled for scrap value. Further, approx. half acre site has school project constructed 3 ft. high, lined earthen berm at perimeter with chain link fencing atop and no gate at threshold entrance. Also at this location is fuel dispensing pump and housing; may be in-operational? Noted some staining of gravel soil forming pad area inside perimeter fencing. Redevelopment Reuse Purpose...Return to green space.





Abandoned Bulk Fuel Storage Tank Farm

Note: White tanks back of photo are active upgraded Bulk Fuel Storage Tanks.

#### FY17 Success Stories

- 1. Enhanced capacity through alignment of OEH's Maniilaq Environmental Health Lab with the TRP.
  - screening supplies and equipment
  - certifiable lab facility for analysis
  - training facility for TRP staff or to develop qualified tribal staff
- 2. Three OEH/TRP staff completed Qualified Sampler (QS) Training
  - Obtaining in-house QS capabilities enhances our ability to understand and assist enforcement authorities with clean-up and verification procedures and activities.
- 3. Brownfield Prevention: Through outreach, education, and technical assistance we supported tribal communities, regional entities to divert over 30 tons of electronic wastes and 11.5 tons of hazardous lead-acid batteries from community environments and unlined rural landfills.
- 4. Established ArcGIS capability that can allow each tribe to participate and manage their own inventories.

#### TRP Challenges

- Fully staffing the TRP with a program coordinator and technician has been challenging.
- New OEH/TRP staff has been on a learning curve to effectively report on TRP activities.

#### Thank You!



#### Chris Dankmeyer, MSc, REHS

Environmental Health Manager, Maniilaq Association LCDR, US Public Health Service

Frank R. Ferguson Building 733 Second Avenue PO Box 256 Kotzebue, AK 99752 PH 907.442.7173 FAX 907.442.7287

## Marce Simeon

nvn.brownfield@gmail.com

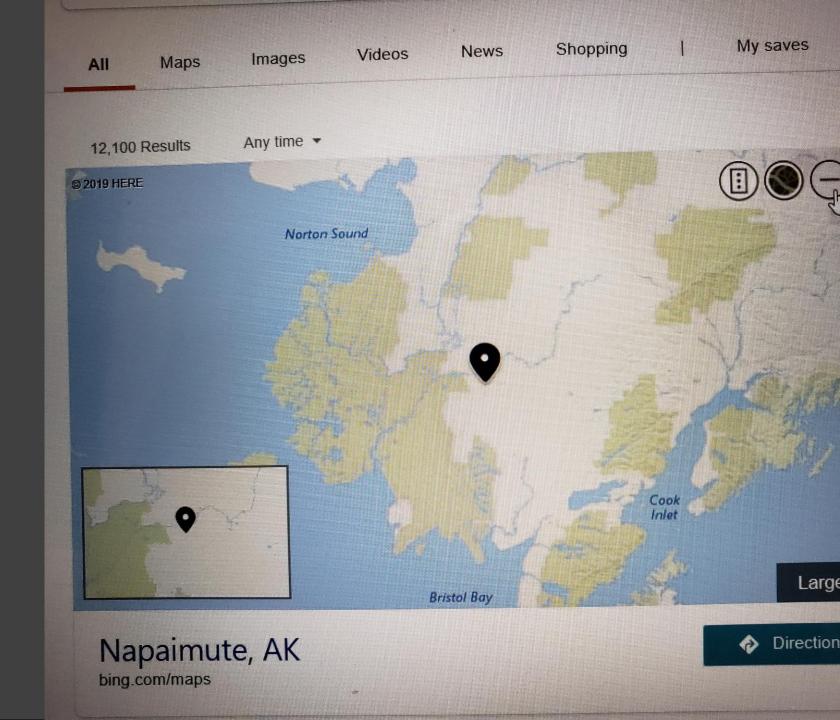


#### Marce

- Daughter of the late Angela Gregory
- Granddaughter of the late Annie Gregory
- Wife to Jon Simeon (17.28 years)
- Mother to JP, Sam, Jacquelyn and Raejin
- Volunteer, board member, child advocate, caring adult, environmental steward, coach, friend, elder-in-training, niece, cousin, giver of free advice (not always soliciated), drug and tobacco free woman, Native leader, mentor, berry picking fool, role model, jet boat operator, Chequik-er, hiker, pedal biker, reader, beader, and bird feeder. Story teller, secret-keeper, hugger, master walking boot operator, student, amature comedian, lover of life.

# What program are you with?

 Brownfields Coordinator for the Native Village of Napaimute since June 2018.





Public

Record &

Website



www.Napaimute.org



http://napaimute.org/2017/10/24/napaimute-brownfields-program/



Capacity building, training, and internal controls

#### Success Stories



Komkoff mine site clean up.



Research and input in Red Devil Mine site and Donlin Gold EIS.

# Challenges ~ There are many if the focus is on the obstacles.



Population and community input.



Rural location and cost of transportation.



Learning curve.





Norman Paul "PJ" Sherebernikoff Jr.

Tribal Response Program (TRP) Assistant

PJ.Qtribe@gmail.com

#### Just a little bit about me

Hi everybody, my name is PJ! I started working at the Qawalangin Tribal Office initially as a Summer Laborer before being introduced to the TRP Program and hired as a full-time employee.

I love the island I grew up and played in as a kid, and now I'm giving that love back by addressing the contamination in my home so we can have them cleaned up and put to a good reuse or redevelopment for my community.

Hobbies: Video Games, Cooking, Art, and Martial Arts

**Link to Tribe Website:** 

Link to Public Record and Inventory:

https://www.qtribe-nsn.gov/

https://dec.alaska.gov/Applications/SPAR/PublicMVC/CSP/Search/?Search=True&TotalCount =o&SiteName=&ArchivedReckey=&HazardID=&LUSTEventID=&Status=&SiteTypeID=&Address=&CityName=Unalaska&ZipCodeID=&BoroughID=&FileNumber=&LUSTOnly=false



## **Success Story #1**

- Met USACE staff at a meeting between themselves, the Ounalashka Corporation, and our NALEMP director at the Qawalangin Tribe
- Did a contaminated sites tour around Unalaska and Dutch Habor (Amaknak) island
- Learned a bit more on these sites that have had some clean-up work completed and others that still needed to be addressed

## Success Story #2

attended the Tribal
 Emergency Response
 training held in White
 Cloud, Kansas

The greatest lesson I learned from this training was that keeping clear communication by using plain language can make the difference between a failed and a successful response to an emergency

Learned how to work effectively with response agencies as first responders, and received a 8-Hour HAZWOPER refresher course



## **Success Story #3**

- Health Fare on Saturday March 2<sup>nd</sup> as a presenter of my work with Brownfields; presenting with Leticia who helps our Recycling Program
- During the event, I got to have some Q&A with the community about the contaminated sites in our home

 The Health Fare event provided a good opportunity for me to conduct a small outreach of my Brownfields program to those who attended the fare.



## Challenges

- Picking up the work that has and hasn't been done in the TRP Program while trying to overcome the learning curve in working with Brownfields as my first year in the environmental program
- Being new to working as an environmental professional and not having a direct mentor to learn from it can be hard to know if the work I am doing is being done right, or if there's something I should be working on that I might not be aware of.

## **Ska Tibe of Abska**



Helen Dangel
Natural Resource Specialist
Resource Protection Department
Brownfields/ Tribal Response Program

## **Webpages**

http://www.sitkatribe.org/

http://www.sitkatribe.org/pages/tribal-services-reso urce-protection-programs

http://www.sitkatribe.org/pages/brownsfield



#### RESOURCE PROTECTION

#### STAFF:

- Jeff Feldpausch
- · Chris Whitehead
- . Esther Kennedy
- Helen Dangel
- Kari Lanphier
- Leigh Engel
- Mike Smith
   Kyle Rosendale
- .....

#### PROGRAMS AND PROJECTS:

- Herring Program
- Klag Bay Sockeye
   Assessment
- . Department of Defense
- Southeast Alaska Tribal
   Ocean Research
- · Brownsfield Program
- Traditional Foods
- · Marine Biotoxin Lab

#### COMMITTEES/COMMISSIONS:

- Kayaani
- Marine Mammals
- Herring
- Customary, Cultural & Traditional
- · Commercial Fisheries

#### **BROWNFIELDS PROGRAM**



Klag Bay: Tailings pile, abandoned mine facilities, distressed vegetation, and contaminated shellfish and sediment

In October 2015, the Sitka Tribe of Alaska received Section 128(a) funds from the US Environmental Protection Agency (EPA) to develop a Tribal Response Program (TRP) to address brownfields in the traditional territory of the Sitka Tribe. Brownfields are sites where use or development is complicated by the presence or potential presence of hazardous substances. Examples of brownfields include illegal dumps, petroleum spills, structures with lead paint or asbestos, or mines.

STA's TRP is focused on protecting and restoring subsistence resource habitat. STA will conduct site visits and collect data to better characterize and prioritize contaminated sites. The Sitka Tribe hopes to collaborate with Tribes, the US EPA, the Alaska Department of Environmental Conservation, the US Forest Service, the US Coast Guard, the University of Alaska, other public or private organizations, and individual citizens to make the Sitka area a better place for everyone.

#### Our current priorities are:

- Protecting subsistence resource habitat from degradation
- Testing traditional foods for contaminants
- Building an inventory of potentially contaminated sites
- Public outreach of what constitutes a brownfield
- Investigating potential cleanup projects at Klag Bay and Starrigavan
- Developing oil spill response capabilities with the Southeast Alaska Petroleum Response Organization

Currently, STA has prioritized two areas for cleanup. One is the Klag Bay mine, a traditionally important subsistence area that has been degraded due to arsenic and mercury in mine tailings. The other site is the polybutylene terephthalate- and lead-contaminated beach near the shipyard and shooting range at Starrigavan.

View the Brownfield Public Record here



http://www.sitkatribe.org/pages/vector

#### BROWNFIELDS PROGRAM PUBLIC RECORD

Public Record of Brownsfield sites (sites with contamination) that have been cleaned up or will be cleaned up in the next year within the Sitka area and the traditional Territory of Sitka Tribe of Alaska.

"The Public Record [will] maintain, update not less than annually, and make available to the public a record of sites, by name and location, at which response actions have been completed in the previous year and are planned to be addressed under the Tribe and State program that specifically governs response actions for the protection of public health and the environment in the upcoming year."

| Actions         | in  | the | previous | vear |
|-----------------|-----|-----|----------|------|
| , , , , , , , , | *** |     | bioling  | 1000 |

No sites with actions completed in the previous year

#### Proposed actions in the upcoming year

| Proposed actions in the upcoming year                                                                                                                                                                                                                                |                                                                |          |           |                                                          |                                                                       |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|----------|-----------|----------------------------------------------------------|-----------------------------------------------------------------------|--|
| Actions                                                                                                                                                                                                                                                              | Site Name                                                      | Latitude | Longitude | Address                                                  | Type of contaminants                                                  |  |
| EPA is currently evaluating Klag Bay<br>Mine to see if it meets Superfund site<br>criteria.                                                                                                                                                                          | Chichagof Mine, Klag Bay                                       | 57.6632  | -136.0965 | Klag Bay, Chichagof<br>Island, X miles north<br>of Sitka | Cadmium, copper,<br>mercury, cyanide,<br>selenium, etc.               |  |
| STA is proposing to evaluate this site<br>and plan to repeat 2003 testing on<br>sediment and shellfish from the estuary<br>on State tidelands to see if<br>contamination levels have changed.                                                                        | Starrigavan Bay/ Old Sitka                                     | 57.1277  | -135.3838 | Mile 6 Halibut Point<br>Road, Sitka                      | Heavy metals, lead                                                    |  |
| STA is proposing to assess the dock area site, develop a Sampling and Quality Assurance plan, to evaluate if boat traffic or other construction will stir up dioxins in the sediment. The DEC status indicates that Cleanup is Complete with Institutional Controls. | Sawmill Cove Industrial<br>Dock<br>(old Alaska Pulp Mill Site) | 57.0475  | -135.2286 | 4600 Sawmill Creek<br>Rd, Sitka                          | Dioxins and Furans<br>(Heavy metals<br>found on the old mill<br>site) |  |



| lite Name                            | Latitude | Longitude | Status                        | AKDEC<br>Haz ID | FUDS#         | Type of contaminants                                                          | Background                                                                                                                                                                                    | ٧  |
|--------------------------------------|----------|-----------|-------------------------------|-----------------|---------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| balone Island SCR-296 Radar Facility | 57.069   | -135.431  | Former Used Defense Site      |                 | F10AK1041     | BD/DR, soil sampling? Illegal dump                                            | SPIP: Remediation completed according to NAMSEI online database. STA conducted a site vist to Abalone island in order                                                                         | h  |
| irport Access Road ADOT&PF           | 57.049   | -135.354  | DEC- Open Site                | 1759            |               | Sediments and surface water are contaminated with petroleum product           | to produce a cite map of BD/DB and conduct sail compling DEC: Site assessment for road re-route revealed underground contamination associated with a bulk fuel tank farm that                 |    |
| PC - Sitkoh Bay East Side LTF        | 57.520   | -134.934  | DEC CC-Institutional Controls | 3874            |               | Petroleum contamination and batteries; lead contaminated soil                 | DEC: Petroleum contamination and batteries from historic logging operations. On September 14, 2002 APC and the FS                                                                             |    |
| PC - Sitkoh Bay West Side LTF        | 57.504   | -134.924  | DEC Cleanup Complete          | 3875            |               | Intertidal lead cleanup level set at 400 ppm                                  | DEC: Contamination due to historic logging operations. On September 14, 2002 APC and the FS entered into an MOU to                                                                            | d  |
| aku Fire Control Station             | 56.828   | -135.491  | Former Used Defense Site      |                 | F10AK0054     | Lead contamination, asbestos-<br>insulated wiring, building debris            | SPIP: Step I site investigation was conducted by Keres Consulting in 2009. Site ineligible for NALEMP- no further action                                                                      | ,  |
| eaver Point Defense Site             | 57.089   | -135.842  | Former Used Defense Site      |                 | F10AK0060     | Possible BD/DR                                                                | SPIP: Step I site investigation conducted by Keres Consulting-<br>INPR identified no project at the site and recommended it be                                                                |    |
| orka (Fort Pierce) Walton Native     | 56.853   | -135.515  | DEC- Open Site/ Formerly Used | 25445           | F10AK0066     | Multiple BD/DR, ASTs, USTs, DRO-<br>contaminated soil, POL contamination,     | SPIP: Multiple large open manholes, and other entrapment hazards. Concerns over illegal dumping, cancer concerns.                                                                             |    |
| iorka FAA Living Qtrs & LUST         | 56.854   | -135.521  | DEC CC-Institutional Controls | 901             |               | DROs DROs                                                                     | DEC: Underground Storage Tank (UST) 47-D-01 was a 1,000-gallon regulated diesel UST located at the former VHF site. The                                                                       |    |
| orka Island Dump Site/ Fort Pierce   | 56.853   | -135.542  | Former Used Defense Site      | W.              |               | Military Dumpsite- high levels of asbestos, SVOCs, DROs,                      | tank ups closed by removal in 1994-19 cubic varie of SPIP: USCG does plan to do further site investigation( not currently funded). Determined ineligible for NALEMP- no further               |    |
| orka Island FAA RCAG                 | 56.851   | -135.553  | DEC Cleanup Complete          | 2546            |               | Leaking Underground Storage Tank                                              | DEC: Site included one diesel UST, FAA ID # 47-B-01. The tank was removed in 1996. 35 cubic vards of diesel contaminated soi                                                                  | <  |
| orka Island FAA Station (VORTAC)&    | 56.854   | -135.535  | DEC Cleanup Complete          | 1761            | (1) Sept. (1) | PAH contamination                                                             | DEC: Landfill was used by FAA and USCG after 1964 for disposal of general debris, particularly scrap metal. Surveying,                                                                        | "  |
| iorka Island USCG LORAN              | 56.856   | -135.555  | DEC- Open Site                | 25426           |               | FRO, DRO, RRO, PAHs, BTEX, toluene, ethylbenzene, xylenes, and                | DEC: The former United States Coast Guard (USCG) Biorka Island Long Range Navigation (LORAN) facility was constructed                                                                         |    |
| ape Burunof Defense Site             | 56.983   | -135.374  | Former Used Defense Site      | 123             | F10AK0427     | Lead contamination, Amount of Debris                                          | in 1052 and approach by the USCC until 1085. From 1085 to SPIP: Messing Facilities, Lead contamination, Amount of Debris unknown; see 2016 FINAL SPIP, updated Kitty Sopow -                  | 6  |
| ape Edgecumbe Fire Control Station   | 56.995   | -135.850  | Former Used Defense Site      |                 | F10AK0428     | asbestos, lead, soil contamination                                            | SPIP: STA is concerned about possible BD/DR existing at this site and proposes a Site Visit. Tribal citizens have expressed                                                                   | i  |
| auseway Dump Site (Fort Rousseau)    | 57.045   | -135.378  | Former Used Defense Site      |                 | impact site   | vehicles, lead acid batteries, fuel<br>tanks, automotive parts, etc. Possible | SPIP: The State of Alaska, DNR does plan to cleanup batteries and asbestos on the surface land of the islands within the next                                                                 |    |
| auseway/ Fort Rousseau               | 57.040   | -135.390  | DEC- Open Site/ Formerly Used | 25263           | F10AK0350     | Possible BD/DR contamination in surrounding soil                              | three years (2008). If additional contaminants are found within DEC: The Fort Rousseau site (Site No. F10AK035000) consists of 8 small islands off the coast of Japonski Island, including    |    |
| harcoal Island Garrison Site         | 57.046   | -135.354  | DEC Cleanup Complete          | 2382            | F10AK0076     | Heating oil contamination                                                     | DEC webpage site report. "Heating oil contamination at a collection of sites on Charcoal Island owned by Shee Atika.                                                                          | į  |
| lam Island Harbor Defense Site       | 57.070   | -135.436  | DEC Cleanup Complete          | 3130            | F10AK1038     | diesel fuel and other oils                                                    | DEC: Based on the 2014 Site Remediation report, cleanup of the facilities is considered complete. No known or suspected                                                                       | e  |
| obol Mine Power Plant                | 57.490   | -135.869  | DEC Cleanup Complete          | 2710            | 2 0           | DROs, RROs, petroleum, oils,<br>lubricants, transmission fluid, other         | DEC: Five soil samples collected at the power plant shed near<br>the beach contained diesel range organics (DRO) from 20                                                                      | a. |
| orest Service Cascade Creek Facility | 57.075   | -135.370  | DEC- Open Site                | 26343           |               | diesel fuel spill                                                             | DEC: On January 6, 2015 the U.S. Forest Service (USFS) reported to DEC encountering petroleum-contaminated soil in                                                                            |    |
| ormer Sitka Public Works             | 57.064   | -135.355  | DEC- Open Site                | 3284            | -             | PCBs, DROs, VOC, SVOC                                                         | the DOT right of way under a cultion draining the USES Cascade DEC: Five buildings that were demolished and removed include a power plant and several vehicle repair shops. Analysis of soil  |    |
| ort Ray (Harbor Mtn area)            | 57.076   | -135.346  | Former Used Defense Site      |                 | F10AK0349     | possible soil contamination from petroleum products and lead cable            | SPIP: Large location encompassing smaller sites. Collapsed timber structures, abandined underground fuel storage tanks,                                                                       | c  |
| alankin Island Former Defense Site   | 57.026   | -135.339  | DEC- Open Site                | 3727            | F10AK0440     | Petroleum hydrocarbons                                                        | DEC: EPA Superfund Technical Assessment and Response Team (START) collected a soil sample near a rusted drum on                                                                               |    |
| olf Island Defense Site              | 56.785   | -135.394  | Former Used Defense Site      | 1500            | F10AK0112     | BD/DR; According to the USACE,<br>Alaska, INPR, dated June 20, 1988,          | NAMSE: According to the USACE, Alaska, INPR, dated June 20, 1988, USACE, Alaska, determined that the Golf Island                                                                              | i  |
| erring Cove Illegal Dump             | 57.046   | -135 209  | STA priority                  |                 |               | Illegal dump, asbestos                                                        | Defence Site contained as hazardayaltaxin upota ardhance or<br>Illegal dump by Alaska Pulp Corporation? 200+ logs will be<br>pulled out in an area with dioxin contamination. Entered by Jenn |    |

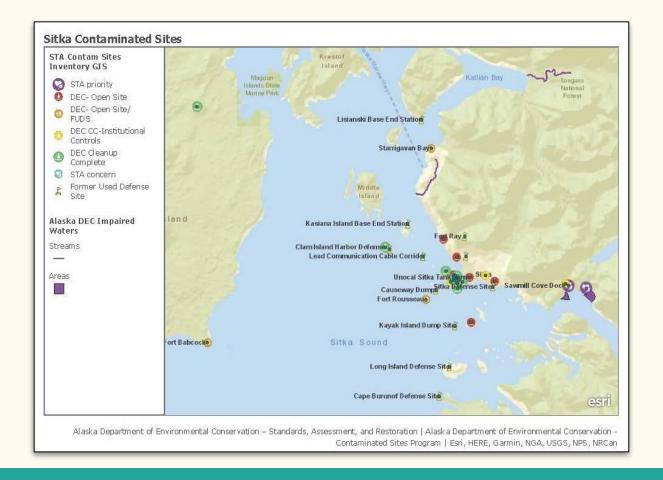
# Scottories

 Assisted with Microplastics in shellfish research



#### Successionies

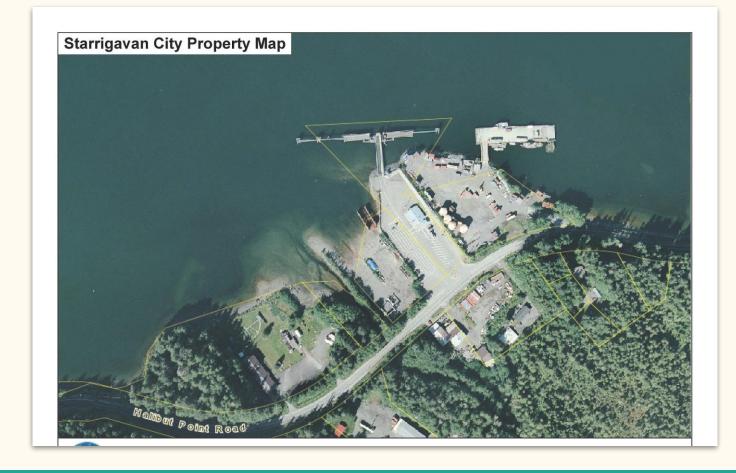
 Created maps of contaminated sites inventory using ArcGIS. Also took training in ArcGIS online, and can now possibly publish maps online. <a href="https://arcg.is/08ubzm">https://arcg.is/08ubzm</a>
 https://arcg.is/08ubzm



# Contaminated Sites Inventory in the Traditional Territory of Sitka Tribe of Alaska egend STA Contaminated Sites STA proposed DEC- Open Site/ Formerly Used Defense Site Former Used Defense Site DEC CC-Institutional Controls

#### Successionies

 Applied for Brownfields Site Eligibility and received approval





# Charge



• One challenge was getting the correct form of the STA public record on our website. My predecessor Jenn Hamblen had tried to get this done. I was informed by my grant manager after I started, that the link on the site the the AK DEC Contaminated Sites Database was not sufficient for the public record. Our IT person informed me that our Tribal Administration was revamping our entire website, and it was too difficult to change things before then. Then the new edition of the website was scrapped, but eventually the website was changed so we could finally make changes. I revised the STA contaminated sites database, which is lengthy, for our public record. However, this table turned out to be too long and messed up the web page. After receiving more training that the public record only had to list sites for work done in the previous and upcoming year, I again revised it to be a much shorter document. This was able to be uploaded to our website and now is well displayed.

## Native Village of Tazlina

Tazlina, AK. www.tazlina.org

#### Successes

- Setup Bit system
- Got the littering/illegal dumping ordinance completed.
- Brownfields assessment form added to our website.

## Challenges

- Rebuilding our capacity after former TRP Coordinator left without training anyone.
- Learning to write the work plan and close out the grant with out any in-depth training.
- Learning to coordinate the Tribal Response Program.

# Yolanda DeWitt TRP Coordinator

trp.tazlina@cvinternet.net 907-822-4375

#### Introduction



- Adam Mannarino
- Tanana Chiefs Conference- Office of Environmental Health





#### TCC-OEH Brownfield Program

- Website: <a href="https://www.tananachiefs.org/health/environmental-health/brownfields/">https://www.tananachiefs.org/health/environmental-health/brownfields/</a>
- Inventory: <a href="https://www.tananachiefs.org/health/environmental-health/brownfields/inventory/">https://www.tananachiefs.org/health/environmental-health/brownfields/inventory/</a>
- Public record: <a href="https://www.tananachiefs.org/health/environmental-health/brownfields/brownfield-public-record/">https://www.tananachiefs.org/health/environmental-health/brownfields/brownfield-public-record/</a>

#### Successes

• 2016- Awarded \$150,000 EPA grant to help Northway clean up Skate Lake.

• 2017- The Yukon Trading Post in Circle



#### Challenges

• Award funding can only be used for technical assistance and not actual remediation assistance.



## Tribal Response Program

https://yakutattlingittribe.org/brownfields/

Alex James - ajames@yakutatsustain.com (907) 784-3539



- ► Alex James TRP manager since 2009
  - ► Fisherman, hunter gatherer of what the land and sea have to offer the people in our land called Yaakwdaat.
  - ► Husband, father, grandfather
  - ► Master moose hunter
  - ► Working on behalf of the clan



Interviews with community members on areas of concern



Oversight of site investigation YAKUTAT TLINGIT TRIBE

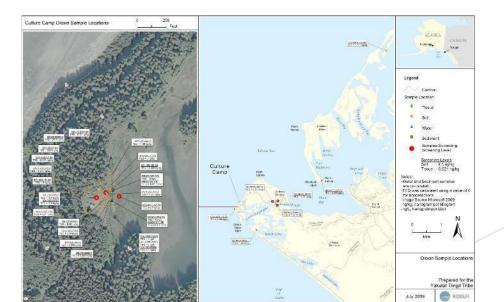


Site visits with agency staff



# Success 1 Review of Dioxin Sampling Results

- YTT compiled and evaluated existing dioxin data from 3 studies collected over 6 years by Department of Defense contractors
- Recommendations included:
  - More sediment sampling in the Ankau Saltchucks
  - Co-located shellfish and sediment sampling





# Success 2 Co-located Shellfish and Sediment



Samples

Tribal members were trained on proper procedures to collect and process samples.









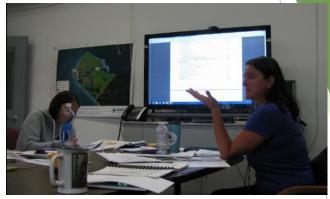


#### Success 3

#### **Habitat Assessment Informational**

**Training** 

- Combination of classroom and field activities
- Introduction to guides and manuals for conducting habitat assessments
- Provided tools to conduct oversight of proposed mining projects and cleanup activities







## Challenges

Military Impacted Areas In and Around Yakutat World War II
Airbase 1940-1945

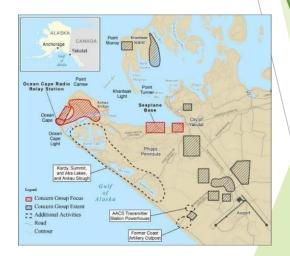
Our priorities are not always the same as the agency priorities!

#### Potentially Contaminated Areas

- Debris dumps
- Barrel dumps
- Fuel storage areas
- Firing ranges
- Septic systems
- Collapsed buildings
- Culverts and roads

#### Chemicals of Concern

- Dioxins and furans
- Polychlorinated biphenyls
   PCBs
- Petroleum hydrocarbons (diesel, gasoline,and oil)
- Metals
- Asbestos





#### **Lessons Learned**

#### Start with what you know

The Yakutat Tlingit Tribe gathered Tribal member concerns of health and safety in traditional gathering sites. Cancer Concerns.

- Keep compiling information
- Document the information from Tribal members (a write up/ map it/ pictures)
  Share the information with partners and the concerns
- Tell your story, Tell it again
- Present and share updated information within the community. Present at conference new found resources or new partners.
- Keep action steps small
- One step at a time to achieve clean lands for our future resources / seek other grant funding sources.
- Perseverance pays off
- Keep documenting, reporting, sharing with partners, keep pushing the limits and ask those questions!





# Yukon River Inter-Tribal Watershed Council

-Emily Anderson, Brownfields Program Manager

eanderson@yritwc.org

Since 2016

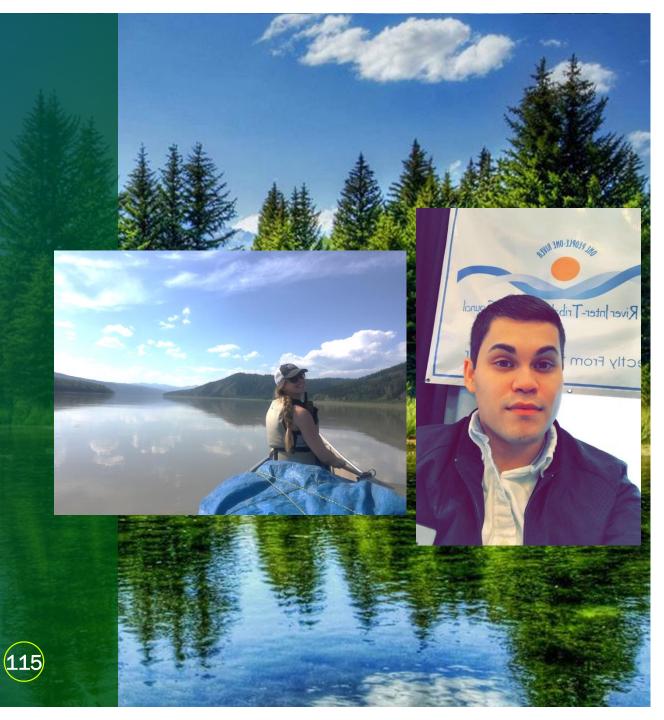
-Floyd Green, Brownfields Environmental Coordinator,

fgreen@yritwc.org

Since 2018

www.yritwc.org

www.yritwc.org/brownfield-public-record



#### SUCCESS #1

YRITWC now has an app tailored specifically for Brownfield reporting!

#### Report a Brownfield

- Same as our field inventory guide
- Able to use out in the field without internet connection
- Saves to drafts folder
- Needs internet connection for submission

#### Request a Service

- Great for all of our programs
- Request site visit, specific training, etc.

#### Room to grow

- Potential to incorporate other YRITWC programs
- Report junk vehicles, abandoned drums, mining program, clean drinking water, etc.



## SUCCESS #2

#### In house Environmental Site Assessments

#### No more contractors

- Restructured our program to do our Phase 1 & 2 Environmental Site Assessments in house
- Dr. Edda Mutter- had to get the proper certifications

#### **Build** capacity

- Great opportunity to learn from the professionals
- Good exposure on how the process is done
- More control

## SUCCESS #3

New database/public record

#### A Work in Progress

- Much more cost effective
- No coding experience needed
- However- time intensive
- Keeps viewers on our website





Location

Contaminant

Petroleum

