

The background of the slide is a photograph of a coastal scene at sunset or sunrise. In the foreground, there is a wide, dark, and rocky beach. The middle ground shows a calm body of water reflecting the warm, golden light from the low sun. In the distance, there are low, hazy mountains under a sky filled with soft, white and grey clouds. The overall mood is serene and natural.

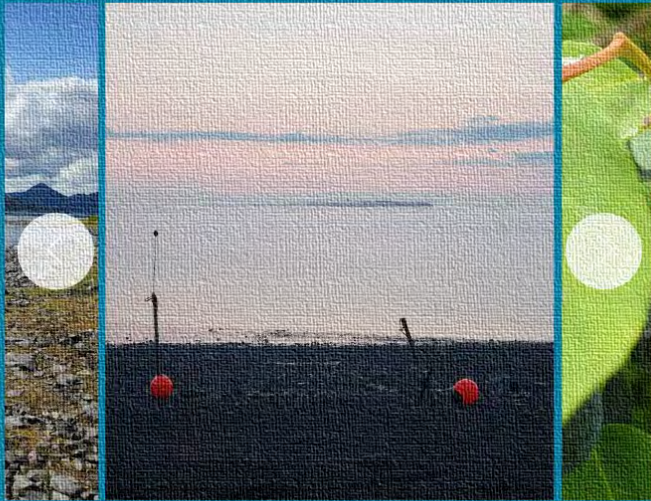
Alaska State and Tribal Response Programs Workshop

April 2021

Introductory Presentations

BRISTOL BAY NATIVE ASSOCIATION TRP

JARED MILLER



BBNA Mission

is to maintain and promote a strong regional organization supported by the Tribes of Bristol Bay to serve as a unified voice to provide social, economic, cultural, educational opportunities and initiatives to benefit the Tribes and the Native people of Bristol Bay.



DILLINGHAM



BROWNFIELD SITES

- 76 DIFFERENT SITES OF CONCERN IN 18 COMMUNITIES



20 COMMUNITIES



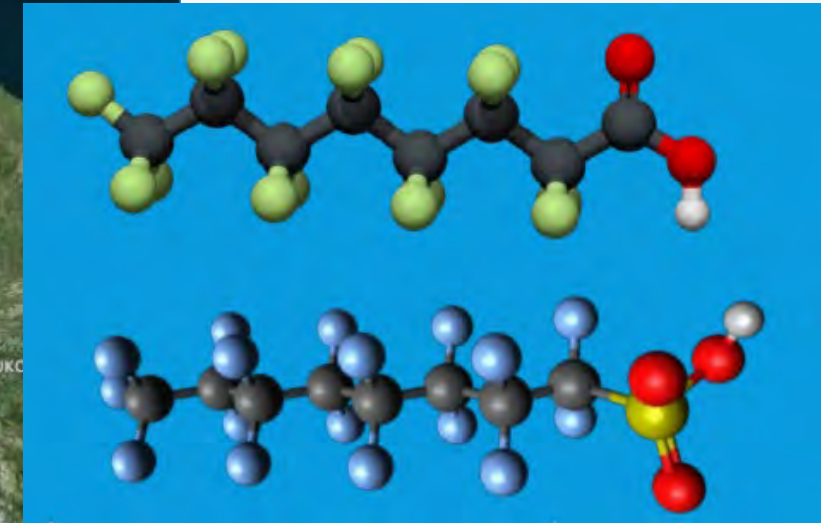
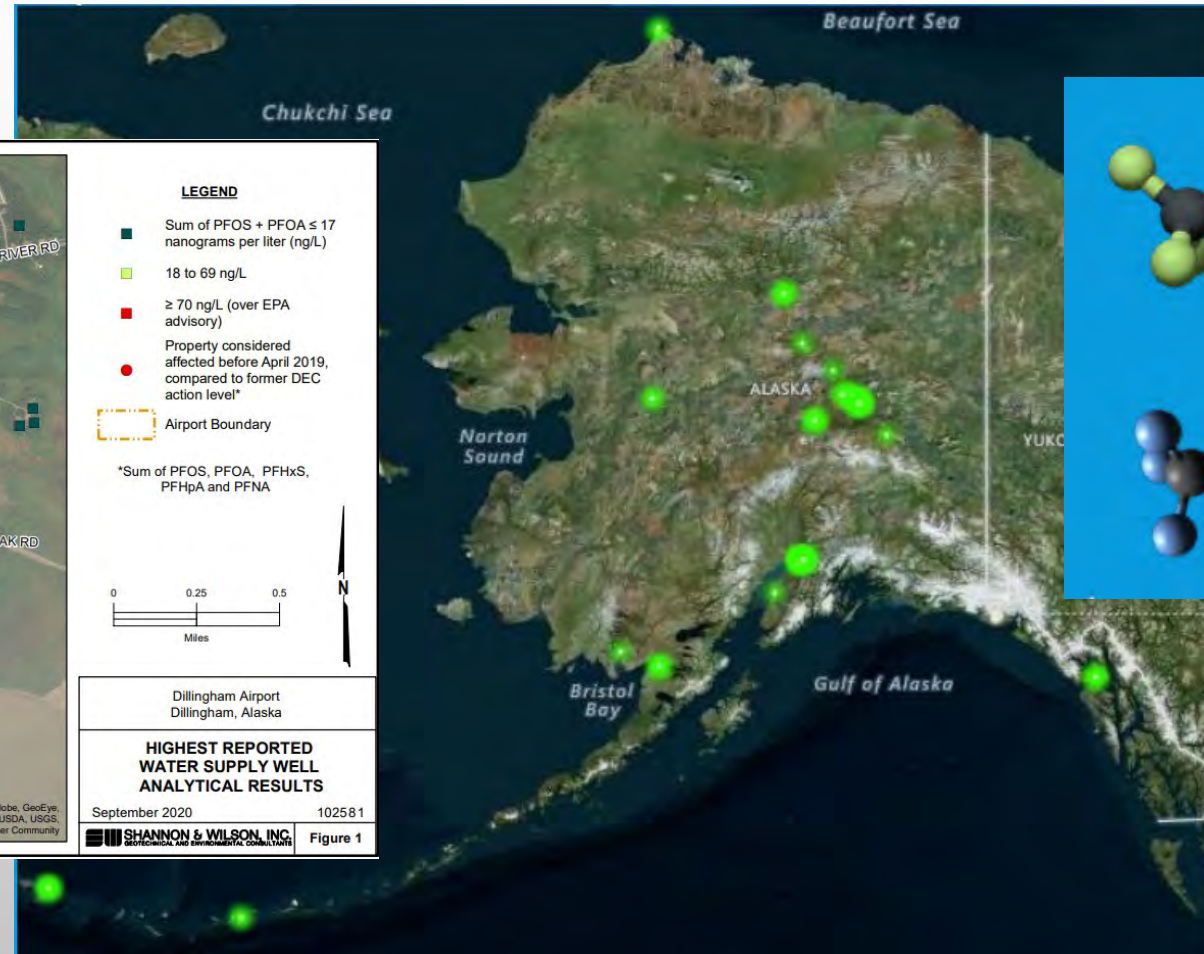
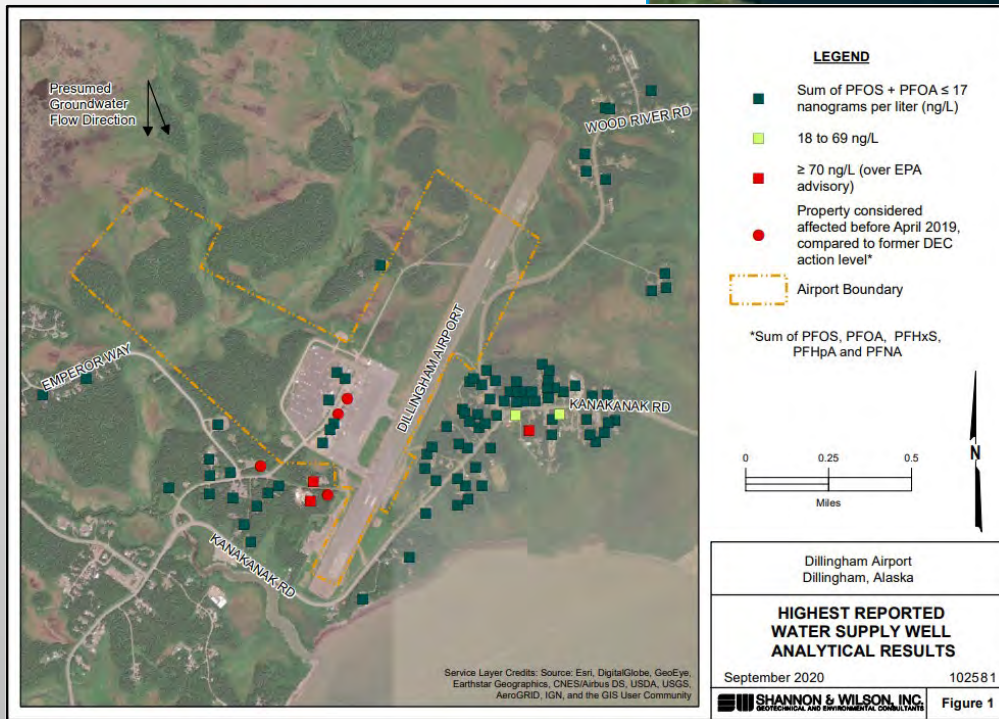
Pilot Point – Old Alaska Packers Cannery

BBNA'S BROWNFIELD HISTORY

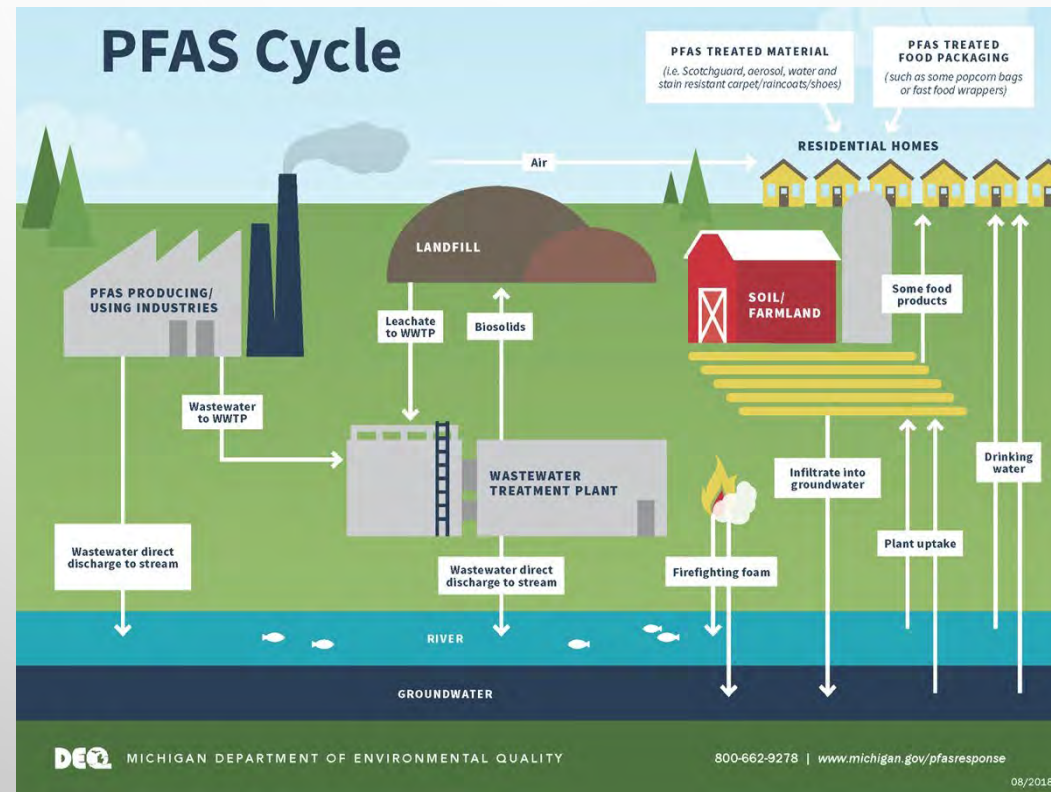
- BBNA HAS BEEN RECEIVING 128(A) FUNDING SINCE FY 2014-15



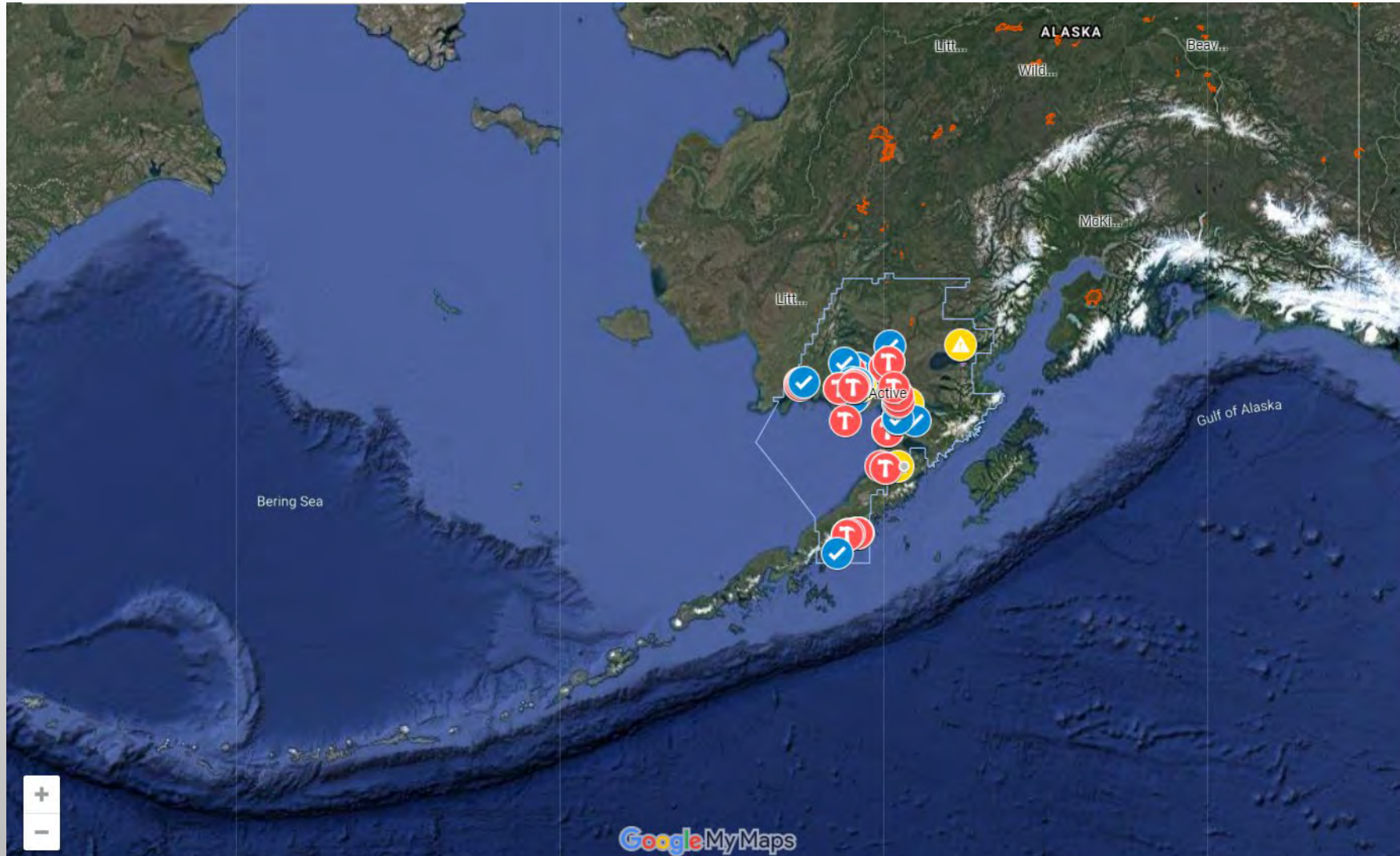
COMMUNITY PFAS CONTAMINATION AWARENESS



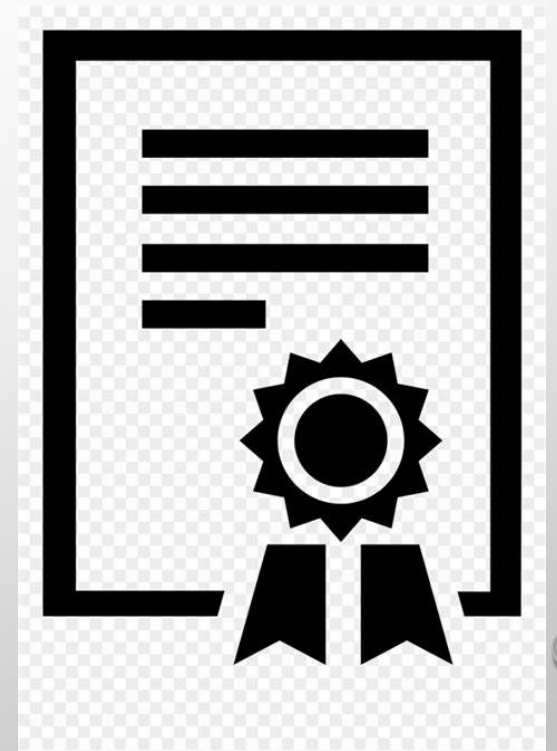
COMMUNITY PFAS CONTAMINATION AWARENESS



INTERACTIVE PUBLIC RECORD MAP



TRAININGS AND CERTIFICATIONS COMPLETED



WORK GROUPS AND COMMITTEE MEETINGS



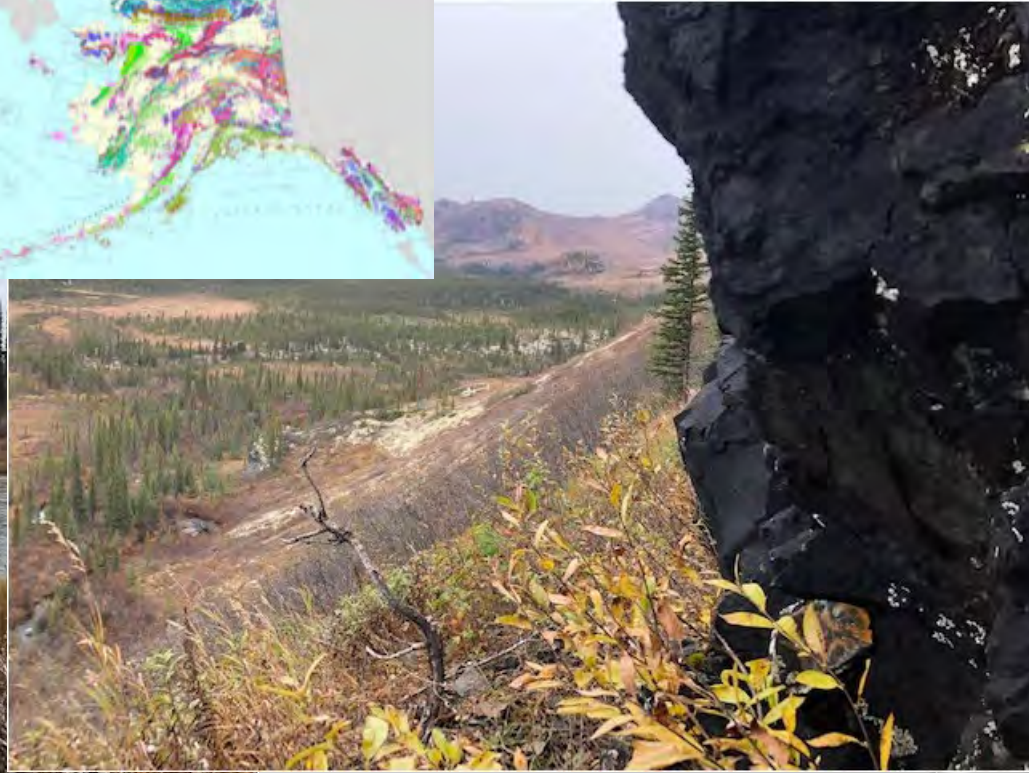
BBSRI RESEARCH



BBSRI RESEARCH



GEOLOGICAL WORK



WHY THE TRP PROGRAM IS IMPORTANT TO ME



SUCCESS STORY



the website and learn more about this project, visit: <https://sites.google.com/alaska.edu/winterberry/berry-learning/arctic-berry-research>.

This type of project would be great to include into IGAP Program work-plans in the future. If your tribe would like to explore a project like this or include this type of work into the tribe's IGAP work-plan please reach out to CaSandra Johnson, Environmental Program Manager, at cjohnson@bbna.com and she would be more than happy to discuss this project.

Photo taken by Gavett Wilson.

Brownfield Program

BBNA has hired Jared Miller as the new Contaminated Sites Coordinator. Jared grew up in Dillingham and has worked many jobs in Bristol Bay over the years including: Assistant Harbor Master, Internships with the U.S. Fish and Wildlife Service and Bristol Bay Economic Development Corporation, and several summers of commercial fishing. Jared graduated from UAF in May of 2020 with a Bachelor of Art degree in Earth Science with a concentration in Geological Systems Science, and a minor in Geology.

Since graduating from college, Jared has worked for the Bristol Bay Salmon Research Institute (BBSRI) sampling salmon between Port Moller and Cape Newenham to provide fisherman with daily catch updates and age and stock composition estimates. Following his work with BBSRI, Jared spent the remainder of last summer doing exploratory geological research in the Brooks Range, planning and coordinating field work and mapping and collecting rock samples for assaying.

As the new Contaminated Sites Coordinator, Jared will be managing the EPA Brownfield Program. Jared is excited to assist tribes and other entities in identifying contaminated sites on their land and to provide support and direction in obtaining federal funding to clean up and revitalize these areas. If there are any questions or concerns related to contamination or suspected contamination in your community please contact Jared at 907-842-5257 or at jared.miller@bbna.com.

Jared Miller

RADON AWARENESS

What You Need to Know About Radon

"Radon poses an easily reducible health risk to populations all over the world, but has not up to now received widespread attention." - Dr. Michael Repacholi, Radiation and Environmental Health Coordinator, World Health Organization.

Radon is a naturally occurring radioactive gas. It is odorless, invisible, and it seeps up out of the ground and into people's homes. With rapidly thawing permafrost, Alaskans are being exposed to radon at higher rates than in the past. Radon is a health hazard and can be easily detected with a test kit. If detected in a home, there are many mitigation strategies for reducing radon in the home and protecting the home's inhabitants.

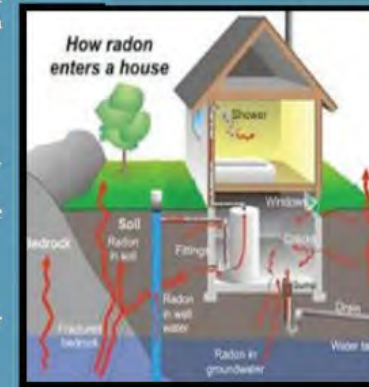
Quick facts

- Nearly 1 out of every 15 homes in the U.S. is estimated to have elevated radon levels.
- When you breathe in radon, it gets into the lining of your lungs and gives off radiation. Radiation over time can damage the cells and lead to lung cancer.
- Radon can enter a home through cracks or imperfections in floors and walls when there is contact between the home and soil.
- Radon is the number one cause of lung cancer among non smokers.
- Radon is responsible for about 21,000 lung cancer deaths every year.
- If you live in a home with elevated radon levels, smoking raises your risk of lung cancer by 10 times.

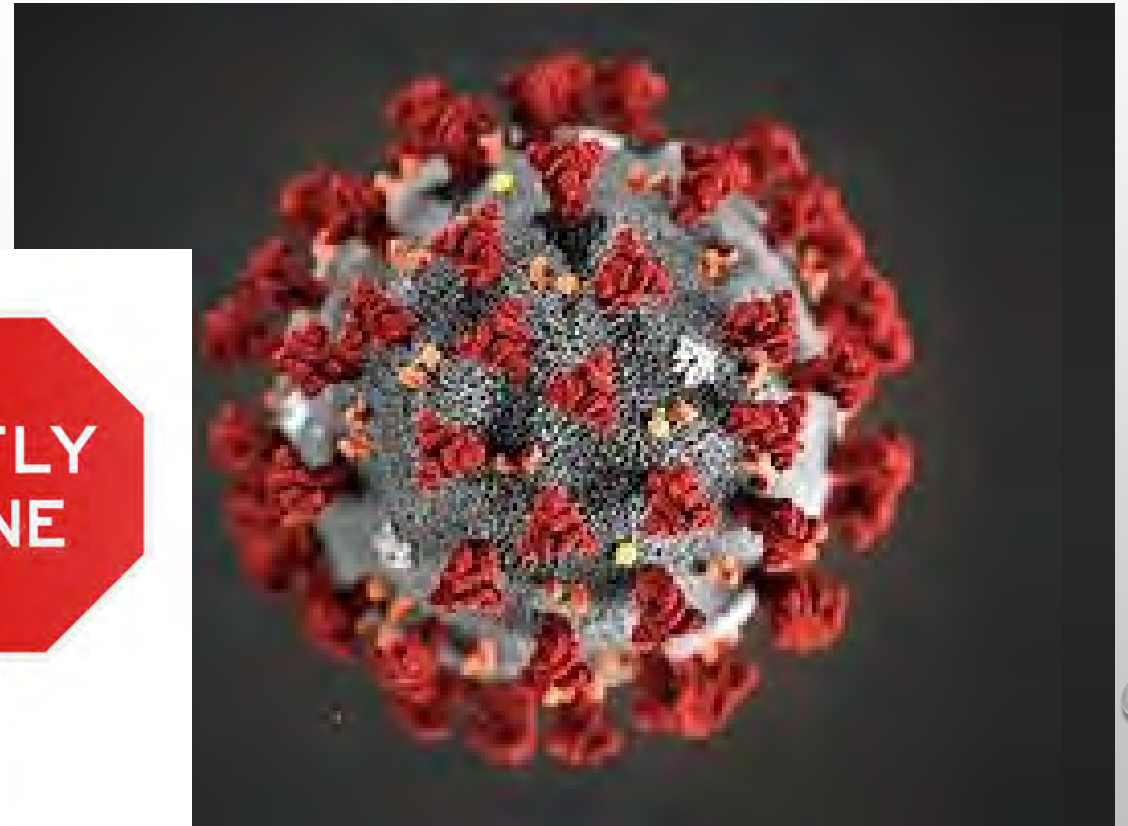
How can I protect myself from radon?

- Get your house tested; it's affordable and easy!
- Mitigating your home may involve tuning the air handling system, sealing holes in your vapor barrier, or sealing cracks in your foundational slab.

For any questions or additional information and resources please contact BBNA Contaminated Sites Coordinator, Jared Miller at jared.miller@bbna.com.



OBSTACLES



EMPLOYEE TURNOVER



SUBSISTENCE IS AN IMPORTANT PRIORITY



QUYANA, THANK YOU!!



CRNA Brownfield Tribal Response Program

TRP Coordinator Sarah Sherwood

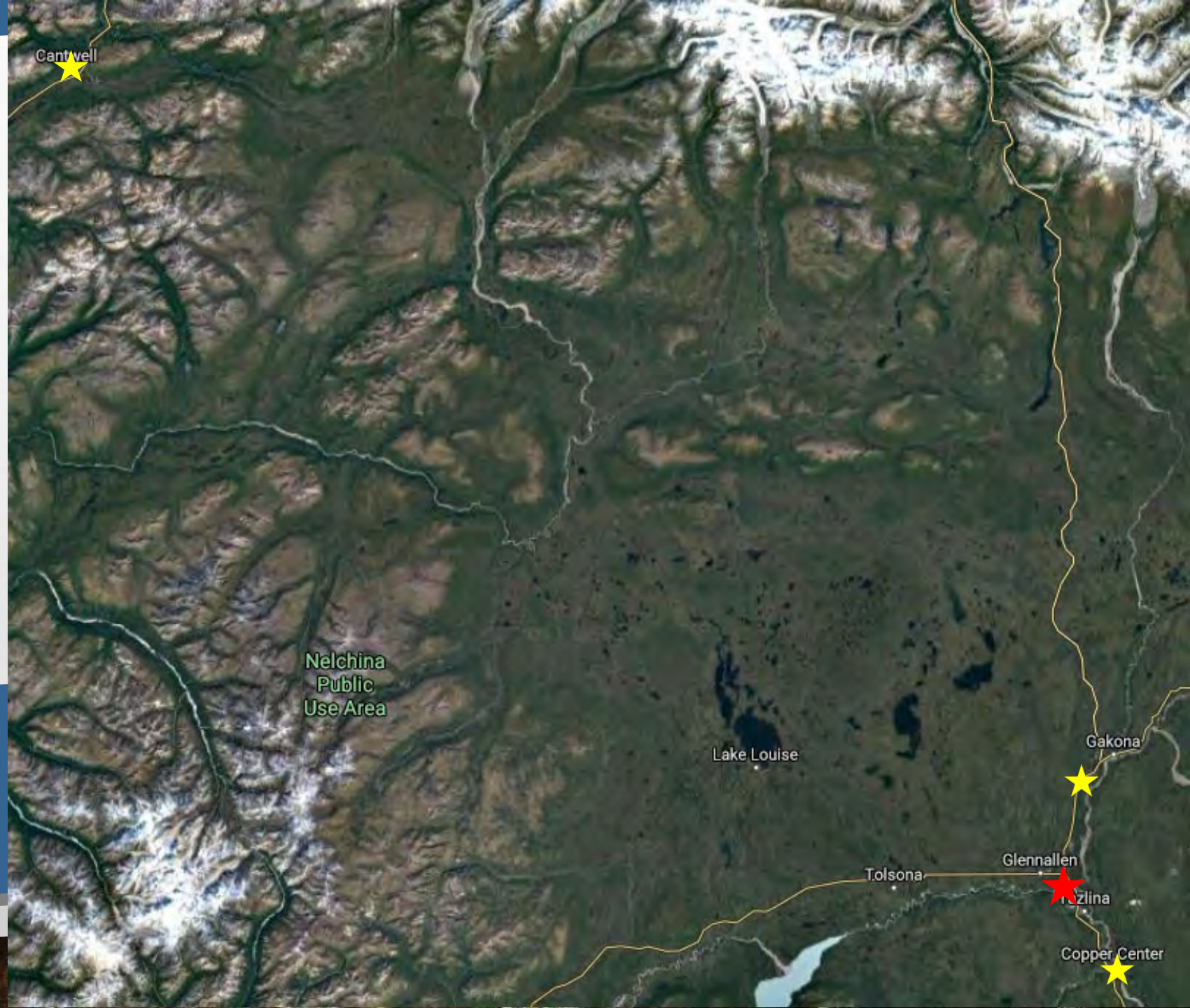




- CRNA TRP Program started in 2011
- Assist villages within CRNA consortia to identify, assess, and clean up brownfield sites on tribal land

CRNA is located in
Glennallen, AK

TRP Program covers
Cantwell, Gulkana, and
Kluti-Kaah Villages



Types of brownfield sites in the Copper River Valley:

- Old military sites
- Abandoned gas stations
- Home heating oil spills and leaks
 - Construction sites
 - Old mechanic shops
- Abandoned BIA schools
- Old dump sites

Brownfield sites on CRNA Public Record:

- 116 brownfield sites

Brownfield sites on Public Inventory:

- CRNA is working on 3 active brownfield sites
 - Old BIA Copper Center School site
 - Bornite site
 - Knoebell's Service Station site

1	Copper River Native Association Tribal Health Consortium			
2	Tribal Response Program (TRP) Public Record			
3				
4	Site Name	Location	Coordinates	Area
5				Contaminates
6	Mentasta Traditional Council Building	6 Mile Mentasta Lake Road, Mentasta	Lat: 62.930265; Long: -143.797735	
7	Mentasta School	6 Miles off the Tok Cutoff of the Glen	Lat: 62.929500; Long: -143.797800	
8	Mentasta Village Clinic	PO Box 600, Mentasta Lake, AK 99780	Lat: 62.902500; Long: -143.748090	Approx 350 cy
9	Mentasta Lodge	MP 78.1 Tok Cutoff Highway, Gakona,	Lat: 62.888757; Long: -143.678746	Approx 175 cy
10	FAA Slana Station	Mile 64.8 Tok Cutoff, Slana, AK 99586	Lat: 62.724694; Long: -143.866556	
11	Duffys Roadhouse	Mile 62.7 Tok Cutoff; SR Box 370, Gaki	Lat: 62.724786; Long: -143.914464	Approx 30 cy
12	ADOTPF - Slana Maintenance Station	60 Mile Tok Cutoff, then 1/2 mile dov	Lat: 62.708467; Long: -143.978826	Approx 1,200 cy
13	ADOT&PF Slana Maintenance Station Class V Injection Well	60 Mile Tok Cutoff, then 1/2 mile dov	Lat: 62.707519; Long: -143.978239	
14	High Frequency Active Auroral Research Program (HAARP)	MP 11.3 Tok Cutoff, Gakona, AK 9986	Lat: 62.391177; Long: -145.131447	Approx 3 cy
15	Heinz Salvage Yard Gakona	MP 4.7 Tok Cutoff, Gakona, AK 99586	Lat: 62.312873; Long: -145.217487	
16	Gulkana NALEMP	MP 127.5 Richardson HWY, Gakona, A	Lat: 62.273547; Long: -145.387219	6ft x 8ft x 4ft
17	Gulkana Prepositioning Area & Army Site FUDS	N of Jct of Glenn & Richardson Hwys,	Lat: 62.273547; Long: -145.387219	5,044 ac
18	FAA Gulkana Former Diesel AST Tank Farm	Gulkana Airport, Adjacent to and ben	Lat: 62.159110; Long: -145.461651	6,282 cy
19	FAA Gulkana Bldg 303	Gulkana Airport Building 303, Glenn	Lat: 62.158856; Long: -145.461571	4,385 cy
20	ADOT&PF Gulkana Maintenance Station Class V Injection Well	Mile 118.1 Richardson Hwy, Glennall	Lat: 62.158778; Long: -145.460775	7.5ft x 38ft
21	FAA Gulkana Engine Generator Bldg 601	Gulkana Airport Building 601, Glenn	Lat: 62.158340; Long: -145.462433	Approx 15 cy

Old BIA Copper Center School

- Old abandoned BIA school
- Current landowner AK DNR
- Near Kluti-Kaah Village land and culturally significant areas



Old BIA Copper Center School

- Lead paint and asbestos in school building
- Oil and gasoline spills on ground
- Hazardous to land and local community members
- Brownfield site to be turned back into a green and subsistence use space



Old BIA Copper Center School

- May 2020 submitted Targeted Brownfields Assessment Application to EPA to conduct a full site assessment
- Many meetings between CRNA, Kluti-Kaah Village, DNR, and EPA to answer EPA questions about the site and start the assessment process



Bornite Site

- Abandoned hazardous junk yard on private property in residential area
- Potentially hazardous to environment and local residents



Bornite Site

- Landowner likely Responsible Party
- Unable to locate landowner
- Talked to community members
- Put ad in local newspaper
- Continue to search for landowner



Knoebell's Service Station

- Old fuel and auto shop
- Currently owned by private landowner
- Adjacent to Tazlina tribal land
- CRNA and Native Village of Tazlina are working together to address site



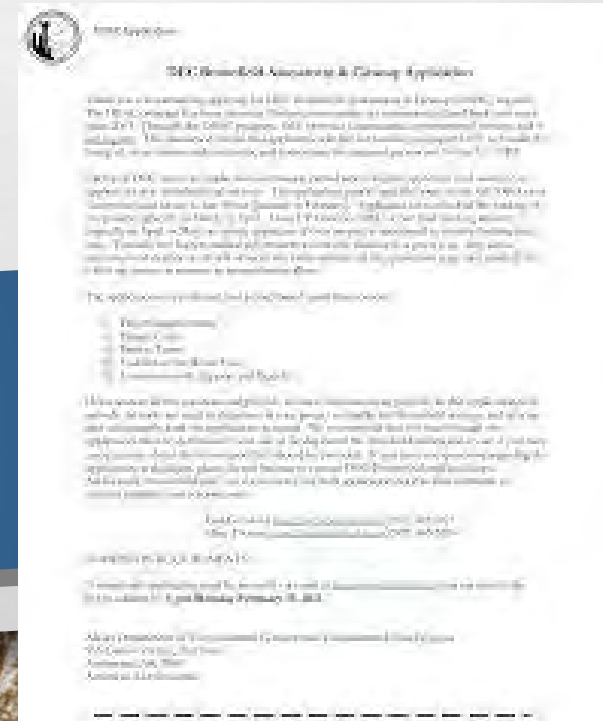
Knoebell's Service Station

- Contaminates: fuel, oil, electrical waste, etc.
- Residents would see workers spill oil and fuel directly onto ground
- Potential to affect underground water sources and local wildlife



Knoebell's Service Station

- February 2020 Native Village of Tazlina, with assistance from CRNA, applied for the AK DEC Brownfield Assessment and Cleanup service
- April 2020 Tazlina was notified that the Knoebell site DBAC was denied due to lack of funding
- Tazlina will apply again in next DBAC cycle



CRNA TRP Activities

Created and distributed Brownfield TRP brochure

What is a Brownfield?

Brownfields are properties with known or suspected contamination or pollution. Brownfields are a cause for concern not only because of their risks to human health, but also for their potential threat to subsistence resources.



The Tribal Response Program (TRP) was created by the Environmental Protection Agency (EPA) to assist tribes to identify, inventory, assess, and ultimately clean up contaminated sites so those sites can be reused or redeveloped.

CRNA TRP Program works with tribes to address contaminated, or Brownfield, sites that impact the health of the community and environment.

For Further Information Contact:

TRP Coordinator Sarah Sherwood

907.822.8846

ssherwood@crnative.org

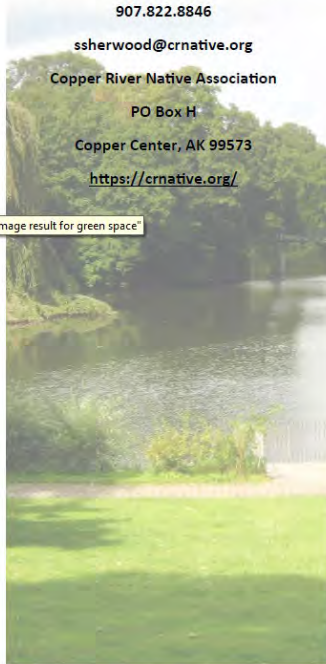
Copper River Native Association

PO Box H

Copper Center, AK 99573

<https://crnative.org/>

Image result for green space



Brownfield Tribal Response Program



TRP Coordinator:

Sarah Sherwood

907.822.8846

ssherwood@crnative.org

Examples of Brownfield Sites:

- Old dump sites
- Abandoned buildings with hazardous materials like lead paint or asbestos
- Old fuel stations or storage areas
- Petroleum spills
- Junk yards
- Old auto repair shops



Brownfield Redevelopment



The goal of the TRP Program is to clean up and reuse contaminated sites in your area in a way that benefits the community. A Brownfield site could be redeveloped as:

- Subsistence area
- Open/green space
- Recreational site
- Housing
- Community center

And much more!

What Can You Do?

Do you know of any property that could be a Brownfield? Share your knowledge with the Tribal Response Program Coordinator!

Please contact CRNA TRP Program to report any lands or buildings that you suspect may be contaminated.

You can also prevent future Brownfield sites through safe and responsible use and disposal of hazardous material. Contact CRNA TRP Program for information about disposing of hazardous materials.

For immediate help with a hazardous spill, please contact the National Response Center:

1.800.424.8802

CRNA TRP Activities

Wrote brownfield article for local newspaper



“Welcome Back to School” Planning Process

The Copper River School District's Reopening Plan for the 2020-2021 is currently being developed and we want your input.

This document is to open up discussions with students, staff, parents, and the community regarding the Copper River School District's process to develop a succinct yet flexible plan for 2020-2021 School Year. The mission of the Copper River School District continues to be to provide an excellent education for all our students. This mission has not changed due to concerns of COVID-19.

The American Society of Pediatrics currently advocates, "...that all policy considerations for the coming school year should start with a goal of having students physically present in school." (July 6, 2020, from the American Academy of Pediatrics website). At this time, CRSD concurs with having students physically present as the best option. With this in mind, we also understand that there may be circumstances that the health and safety of our students and

staff will determine how we mitigate the disease's impact with the tools we have on hand. This is a complex problem that must include the COVID-19 risk level in our community throughout the school year. With more input from all our stakeholders during this process, our end product will meet the needs of our community while it keeps our students and staff focused on engaging in the pursuit of an excellent education.

In the next month, our goal is to encourage comments from our community as well as to provide opportunities for continuing review of our work. Our CRSD Smart Start 2020 document will be added to and shared with the community on the District's Facebook and website as the plan develops. You are also welcome to send me an email at tashon@crsd.us or call me at the office at 822-3234 for comments or ways to be part of this process. Please let me know your thoughts and be part of this important process.

Thank You! Therese Ashton, Superintendent

Welcome to the framework for Alaska's Smart

Continued Pg. 10

Congressman Don Young Back for Another Visit to the Copper Basin and It's Residents



Congressman Young address a crowd gathered in Glennallen.

By JOHN TURNER

Glennallen to listen to Don Young discuss issues that have particular relevance to the residents of this area.

In the course of the 30 minutes the congressman was speaking, he discussed a wide range of issues including praising

the benefits of cheap power and resource development, while also warning against Federal government over-reach and the need to make every effort not to increase our national debt drastically further than its present state.

Continued Pg. 6

Tackling Alaska's High Health Care Costs

BETHANY MARSH - EXECUTIVE DIRECTOR OF ALASKA POLICY FORUM

Unfortunately, many Alaskans have personally borne the brunt of our state's extremely high health care costs in recent years. But having some of

the most expensive health care in the nation wasn't always the case for Alaska. In fact, per-capita expenditures on health care used to be about the same as the national average. A new report, authored by a nationally-respected health care economist,

shows that Alaskan per-capita expenditures on health care have been growing significantly faster than the national average over the last 30-some years. Nationally, spending on health care has been fairly stable over the past two decades.

Continued Pg. 7



CRNA Tribal Response Program

Copper River Native Association has a Tribal Response Program (TRP) dedicated to identifying brownfield sites on tribal land in the Copper River Valley and Cantwell areas. Brownfield sites, or contaminated sites, are land and/or buildings that are unused due to real or perceived contamination. We work with villages to identify, assess, and clean up brownfield sites for reuse of the land and/or buildings. Our program focuses on Gulkana Village Council, Native Village of Kluti-Kaah, and Native Village of Cantwell land, but covers all tribal land from Gulkana to Kluti-Kaah and Cantwell areas. We want to keep our land and communities free of hazardous, toxic waste. No contaminated site is too big or too small.

Brownfield sites can be:

- Old dump sites
- Former gas stations
- Old auto shops
- And more . . .
- Old BIA schools
- Former military sites
- Abandoned structures

If you know of any brownfield or contaminated site, please report it! You can report it by:

- Call 822-5241 and ask for Sarah Sherwood the TRP Coordinator
- Email ssherwood@crnative.org
- Fill out our online CRNA Brownfield Assessment Form on the CRNA Brownfield Tribal Response webpage and return it to the CRNA TRP Program through email or the CRNA office

For more information about CRNA TRP program and brownfield sites visit: <https://crnative.org/what-we-do/tribal-community-services/brownfield-tribal-response-program/>

CRNA TRP Activities

Created and distributed a CRNA Brownfield TRP informational video for Villages to post on their social media pages



CRNA Brownfield Tribal Response Program



Before

After

CRNA TRP Coordinator Sarah Sherwood
907-822-8846 | ssherwood@crnative.org

All CRNA TRP Activities:

Provide public outreach and awareness about the CRNA TRP Program and brownfield sites

Invite community members to identify and report brownfield sites in their communities to CRNA



Successes:

- Applied for EPA TBA for brownfield site
- Inventoried 3 additional brownfield sites on tribal land
- Hosted Regional TRP Workgroup Calls
- Hosted workgroup calls with DNR, EPA, Kluti-Kaah, and CRNA about brownfield site



Challenges:

- Getting community members to report brownfield sites
- Hosting TRP and brownfield outreach activities with Villages
- Getting information from state agencies about brownfield sites

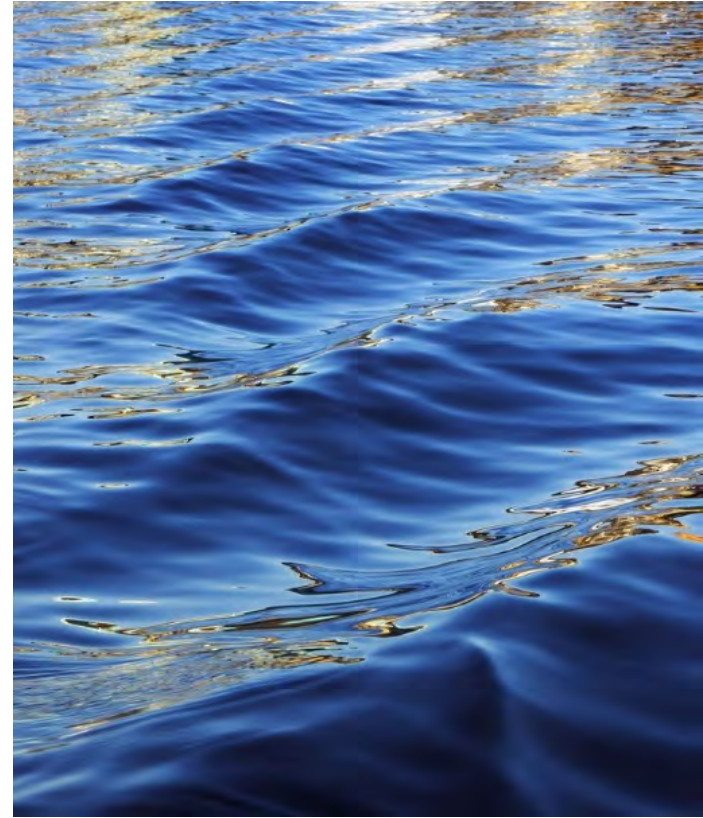




Thank you!

DEC Brownfields

STRP Workshop
April 14-15, 2021



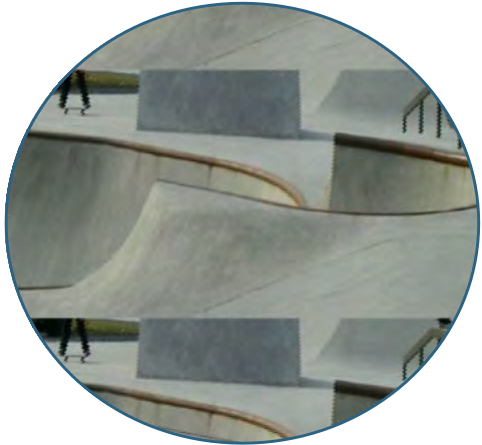
Alaska Brownfields

Every Alaskan city and borough — both urban and rural — have vacant or underused properties whose redevelopment is complicated by potential contamination.

- Abandoned tank farms
- Old schools
- Old canneries
- Former military sites
- Former drycleaners
- Former gas stations
- Mine sites
- ... and many more!



Common Types of Reuses for Alaskan Brownfields



- Subsistence fishing and berry picking
- Recreation and green space
- Community centers
- Historic/cultural education centers
- Gardens
- Local housing
- Mixed use
- Commercial buildings

...and many more!

Who we are

Helping Alaskans assess, cleanup, and reuse brownfields to improve the environmental, economic, and social well-being of their communities

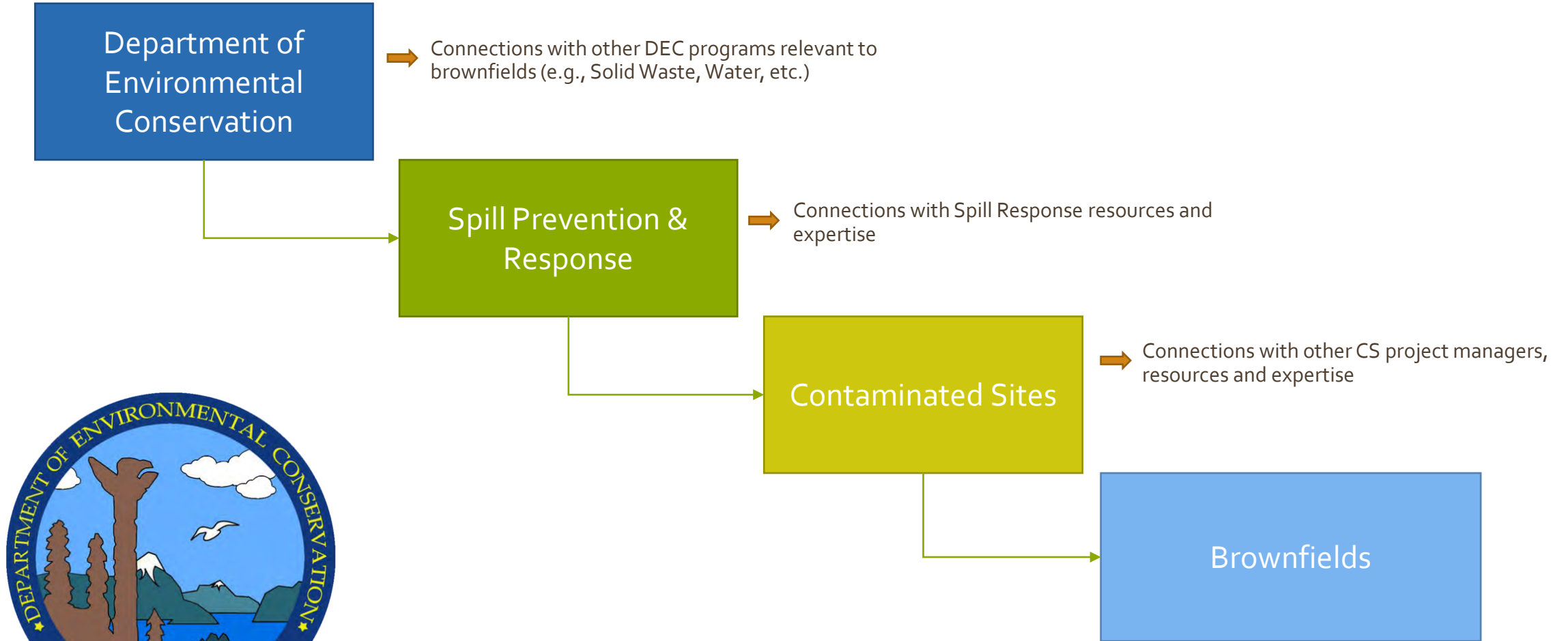
- Funded through a State and Tribal Response Program (STRP) grant
- DEC Brownfields program began in 2003
- Began assessing sites in 2005
- Began providing cleanup services in 2014
- Provided technical assistance and support for nearly 200 projects across Alaska



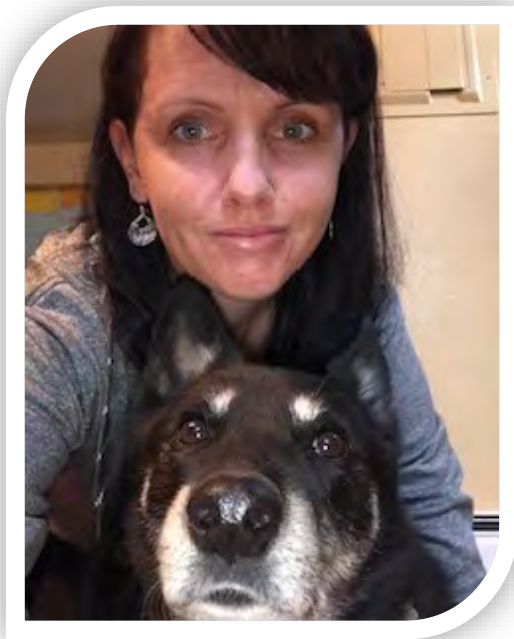
*Site Characterization and Cleanup Project
Heinz Salvage Yard, Gakona, AK*



How we fit within DEC (and why this matters)



About us



Lisa Griswold

- Zodiac sign: Cancer
- From Colorado
- Moving to Tucson, AZ
- Loves animals, yoga and running.



Marc Thomas

- 5' 8" (in shoes)
- Lives in Juneau
- From North Carolina (Go Tar Heels)
- Likes hiking, reading, and running



What do we do?

- Brownfields Inventory
- Outreach, Training, Education
- Technical Assistance and Support
- Site-Specific Projects



Former Fish Processing Plant – Golovin, AK

Problem: HBM, petroleum , lead

DBAC services:

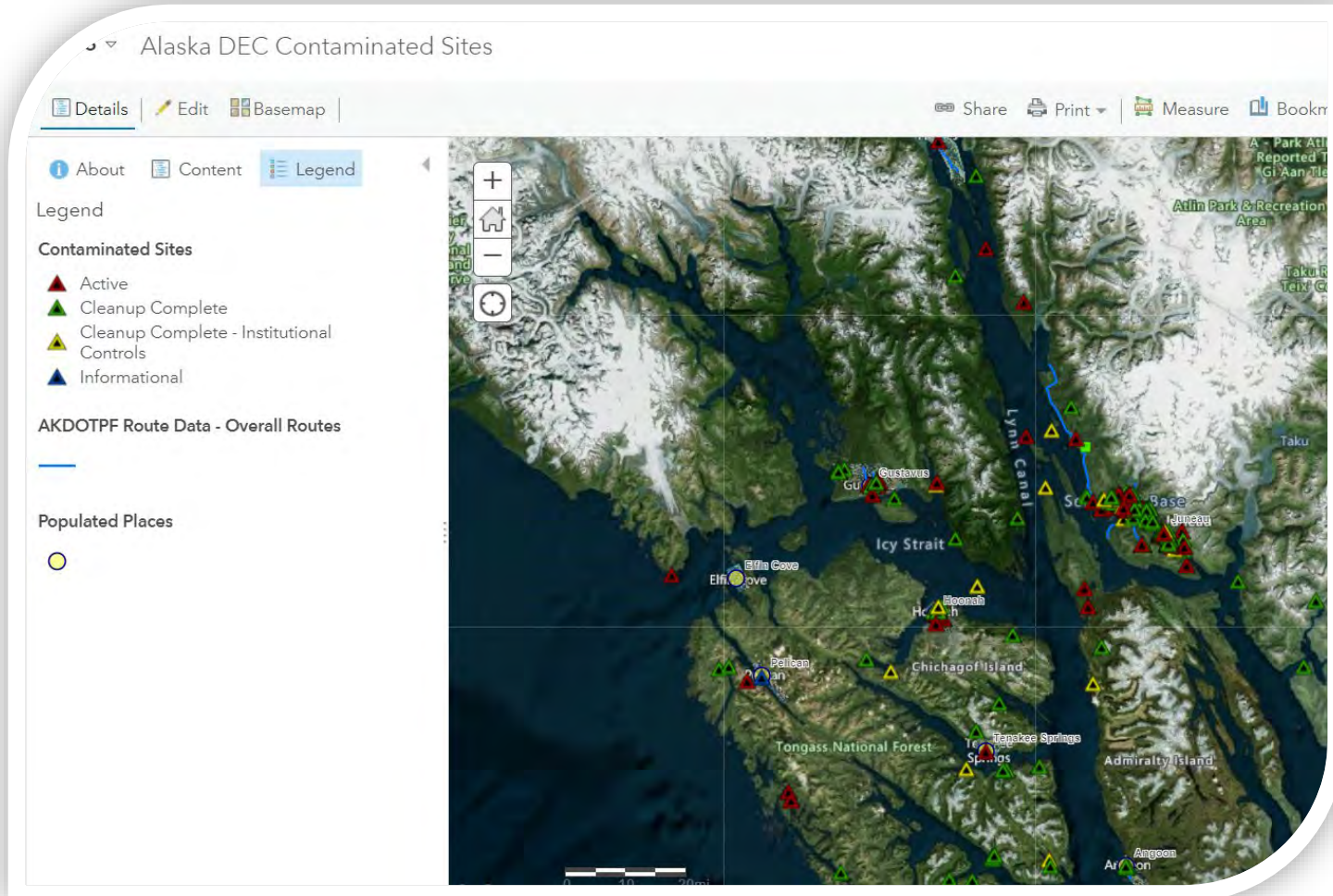
- Phase I Assessment
- ABCA
- Hazardous Building Material Abatement
- Soil Excavation and Disposal
- Historic Significance Report

Reuse: Boat dock/harbor

Previous assessment: EPA TBA



Contaminated Sites Database

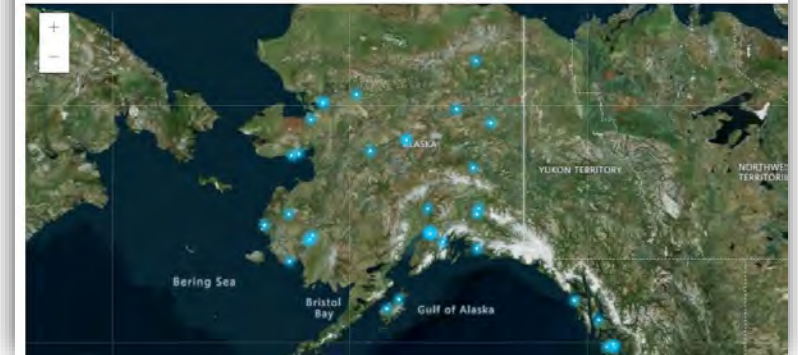


DEC BROWNFIELD ASSESSMENT AND CLEANUP PROJECTS

BROWNFIELD FUNDED PROJECTS IN ALASKA

Since 2003, DEC's Brownfield staff has been working with Alaska communities to identify their concerns about contaminated properties. Brownfields are properties where reuse, redevelopment, or expansion is hindered by real or perceived environmental contamination. Brownfields can be large or small; vacant or developed. The brownfield "vision" focuses on sustainable redevelopment, which can take many forms: parks and green space, public facilities, new businesses, residential developments, and more. DEC's brownfield assistance program helps you make those decisions.

The biggest obstacle to cleaning up and revitalizing contaminated sites is often funding. Our assessment and cleanup services provide communities a definite advantage when applying for federal and state grants and other assistance. Our assessment funding comes from the U.S. Environmental Protection Agency (EPA), and our staff also helps communities get other types of brownfield grants and assistance.

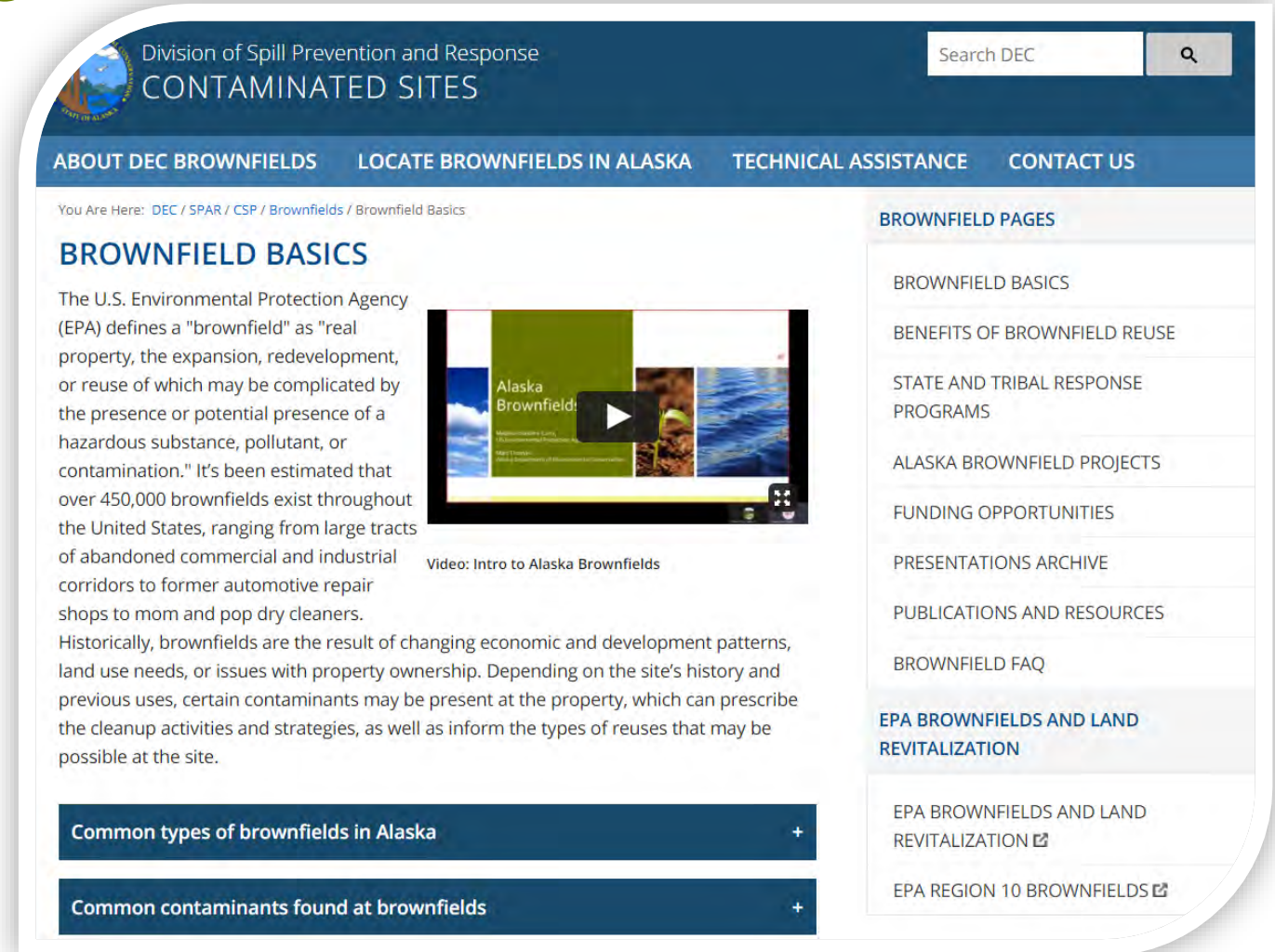


DBAC Projects



brownfields.dec.alaska.gov

- Brownfields Basics
 - Video
- Presentations Archive
- Funding Opportunities
- TRP Resources



Fact Sheets and Case Studies

- Liability Issues at Brownfields
- Funding Resources Overview
- Brownfields Resources Guide
- Frequently Asked Questions
- Case Studies

DEC Brownfields Program
Alaska Department of Environmental Conservation
Division of Spill Prevention and Response
Contaminated Sites Program

Case Study: Matanuska Maid Block Parcel A, Palmer

Located in the central business district of Palmer, the Mat-Maid Block property is comprised of seven individual commercial/industrial lots. Formerly operating as a dairy facility but closed since 2007, the City of Palmer was interested in buying the property and the site, the City of Palmer Agency (CPA) of the site in 2010 and included a parcel A, which is used on site history and is identified on the map and for storage.

Highlights

- Matanuska Maid Block Parcel A is one part of a city block that was originally developed in 1935 and was a central corridor of the Matanuska Colony
- Formerly a dairy facility, the property has been vacant since 2007
- Awarded a Targeted Brownfield Assessment from U.S. EPA in 2013
- Property cleaned up and no longer a threat to the health or safety of humans or the environment
- Reused as a successful brewery and tap room in central Palmer

See the [Contaminated Sites Database](#) File No. 2245.39.012 for more information

DEC Brownfields Program
September 2020
Liability Issues at Brownfields: Frequently Asked Questions
Alaska Department of Environmental Conservation
Division of Spill Prevention and Response
Contaminated Sites Program

Liability and Brownfields

Both federal and state environmental laws are based on the principle that the "polluter pays" for cleanup of contamination and not the taxpayer or the government. As a cornerstone of that maxim, for both state and federal law, the owner or operator of a contaminated property is generally held liable for the property's cleanup based solely on their ownership of the property. Liability concerns may impact some parties' decision whether or not to acquire contaminated property. "Brownfields" are underused or abandoned properties whose expansion, redevelopment, or reuse may be complicated by the real or perceived presence of contamination. To encourage the purchase, cleanup, and revitalization of brownfields, federal and state laws provide relief from liability to certain classes of responsible parties when they did not cause or contribute to the contamination. These provisions can be utilized by parties who have demonstrated an interest in reusing a brownfield property.

For More Information
Lisa Griewold
DEC Contaminated Sites Program, Brownfields
(907) 269-2021
lisa.griewold@alaska.gov
Marc Thomas
DEC Contaminated Sites Program, Brownfields
(907) 465-5206
marc.thomas@alaska.gov

Brownfields in Alaska

Brownfields are abandoned, unused, or underused properties that are hindered from desired reuse or redevelopment by the presence or the potential presence of environmental contamination. This broad definition encompasses nearly any type of site, as a brownfield can be anything from a 200-year-old industrial property, to an old lumber mill, a small abandoned corner station, or a residential area.

Every Alaskan city and borough—both urban and rural—have vacant underused properties whose redevelopment is complicated by potential contamination. The Alaska Department of Environmental Conservation (DEC) strongly supports and promotes the assessment, cleanup, and reuse of these sites through the DEC Brownfields Program. In particular, DEC helps local governments, tribes, native corporations, and non-profits assess brownfields, assess potential contamination, and conduct any necessary cleanup activities in order to achieve their community's vision for the future. DEC also works closely with the U.S. Environmental Protection Agency (EPA) Brownfields Program to encourage the reuse and redevelopment of underused properties and assists Alaskan tribes, native corporations, and non-profits apply for federal grants and services.

Types of Brownfields Funding and Services

Both DEC and EPA offer grants and services to help assess and clean up brownfields into productive use so that can be enjoyed by the community. Some competitive grants, while other technical assistance is offered to state specific question, addressing a discrete issue, or generally moving the cleanup and redevelopment process.

DEC Brownfield Assessment and Cleanup Services

DEC Brownfield Assessment and Cleanup (DBAC) services are environmental uncertainties or conditions that hinder the reuse and redevelopment of a property. DBAC objectives are to determine whether an environmental problem is limiting a site's use or intended reuse or redevelopment, help identify the nature and extent of contamination, provide recommendations, estimate costs for possible additional assessment, and to conduct cleanup activities designed to enable reuse of a site.

DBAC services can include providing soil and groundwater assessments (Phase I and II), hazardous building materials (HBM) surveys, asbestos abatement and disposal, cleanup services, landfill permit assistance, among others. Generally, the application period for DBAC services runs from November through February. In addition to providing DBAC services, the

The Mat-Maid Block was once the industrial and commercial heart of the Matanuska Valley. Continued redevelopment of this legacy site is key to a community vision for a vibrant, mixed-use district with quality amenities, open space and destinations that reflect the City's history and local culture.

• Brad Hansen, Local Palmer, Developer of Community Foundation

DEC Brownfields Program
Alaska Department of Environmental Conservation
Division of Spill Prevention and Response
Contaminated Sites Program

Liability Issues at Brownfields: Frequently Asked Questions
Alaska Department of Environmental Conservation
Division of Spill Prevention and Response
Contaminated Sites Program

What does "liability" mean?

Liability is a comprehensive legal term that describes the condition of being actually or potentially subject to a legal obligation. For contaminated sites, both federal and state laws create a regulatory framework for liability that is strict, joint and several, and retroactive:

- ➡ What is "strict liability?" A legal obligation without regard to fault.
- ➡ What is "joint liability?" A legal obligation for which more than one party is responsible.
- ➡ What is "joint and several liability?" The status of those who are responsible together as one unit as well as individually for their conduct. The person who has been harmed can institute a lawsuit against any or all of the parties.

brownfields.dec.alaska.gov • Anchorage/Fairbanks/Juneau

DEC Brownfields Program
Alaska Department of Environmental Conservation
Division of Spill Prevention and Response
Contaminated Sites Program

Funding Opportunities and Services
Alaska Department of Environmental Conservation
Division of Spill Prevention and Response
Contaminated Sites Program

Brownfields in Alaska

Brownfields are abandoned, unused, or underused properties that are hindered from desired reuse or redevelopment by the presence or the potential presence of environmental contamination. This broad definition encompasses nearly any type of site, as a brownfield can be anything from a 200-year-old industrial property, to an old lumber mill, a small abandoned corner station, or a residential area.

Every Alaskan city and borough—both urban and rural—have vacant underused properties whose redevelopment is complicated by potential contamination. The Alaska Department of Environmental Conservation (DEC) strongly supports and promotes the assessment, cleanup, and reuse of these sites through the DEC Brownfields Program. In particular, DEC helps local governments, tribes, native corporations, and non-profits assess brownfields, assess potential contamination, and conduct any necessary cleanup activities in order to achieve their community's vision for the future. DEC also works closely with the U.S. Environmental Protection Agency (EPA) Brownfields Program to encourage the reuse and redevelopment of underused properties and assists Alaskan tribes, native corporations, and non-profits apply for federal grants and services.

Types of Brownfields Funding and Services

Both DEC and EPA offer grants and services to help assess and clean up brownfields into productive use so that can be enjoyed by the community. Some competitive grants, while other technical assistance is offered to state specific question, addressing a discrete issue, or generally moving the cleanup and redevelopment process.

DEC Brownfield Assessment and Cleanup Services

DEC Brownfield Assessment and Cleanup (DBAC) services are environmental uncertainties or conditions that hinder the reuse and redevelopment of a property. DBAC objectives are to determine whether an environmental problem is limiting a site's use or intended reuse or redevelopment, help identify the nature and extent of contamination, provide recommendations, estimate costs for possible additional assessment, and to conduct cleanup activities designed to enable reuse of a site.

DBAC services can include providing soil and groundwater assessments (Phase I and II), hazardous building materials (HBM) surveys, asbestos abatement and disposal, cleanup services, landfill permit assistance, among others. Generally, the application period for DBAC services runs from November through February. In addition to providing DBAC services, the

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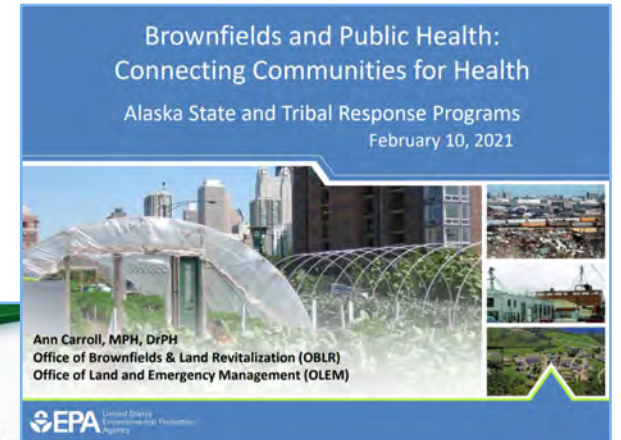
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brownfields.dec.alaska.gov • Anchorage/Fairbanks/Juneau



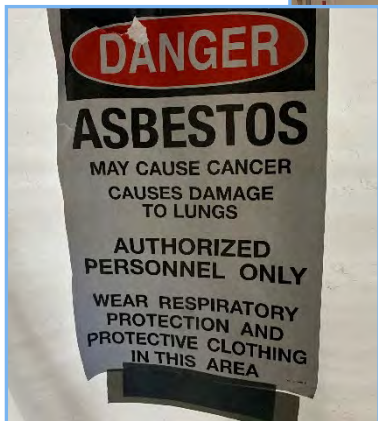
Training, Workshops, and Webinars

- STRP Workshop
- Related Conferences
- Trainings
 - 2018 – ASTM Phase I and II
 - 2022 – ANCSA
- Webinars
 - Tips for Facilitating Online Meetings (Oct 2020)
 - Renewable Energy and Brownfields (Dec 2020)
 - Public Health and Brownfields (Feb 2021)
 - Next?

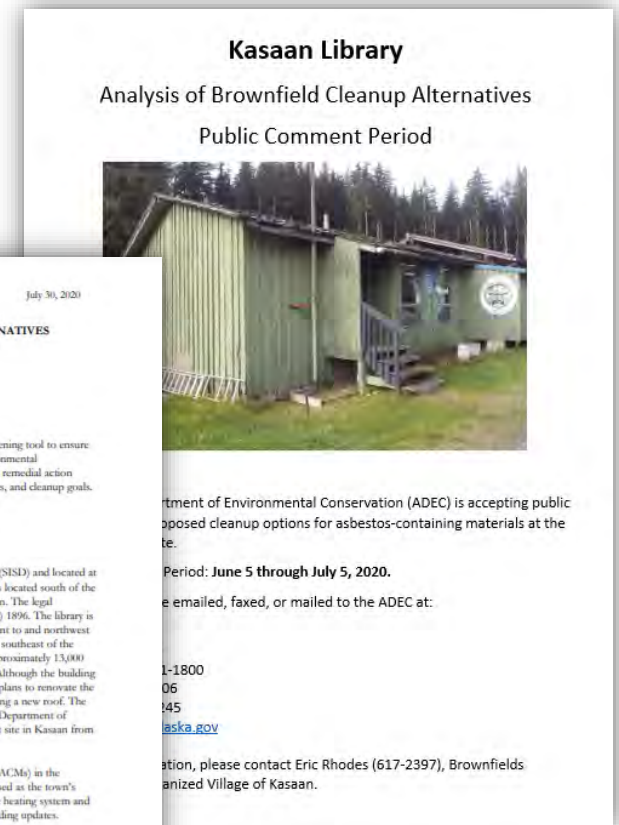
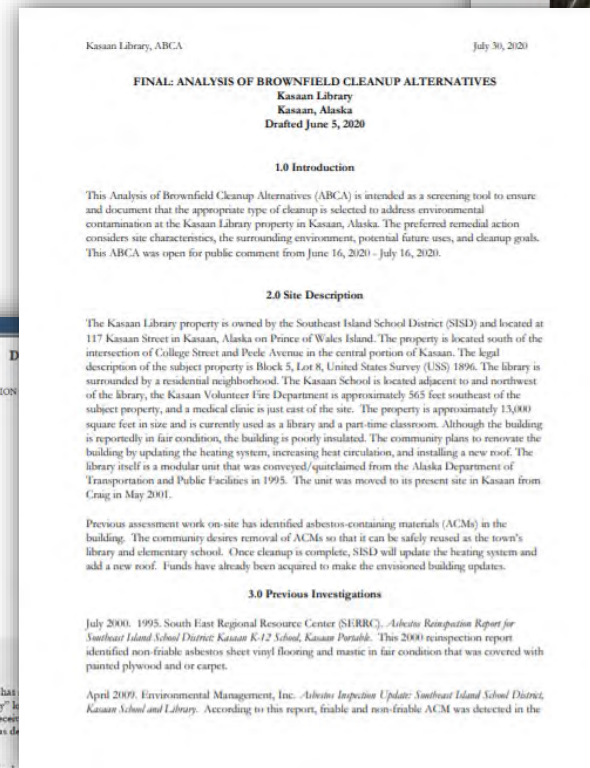
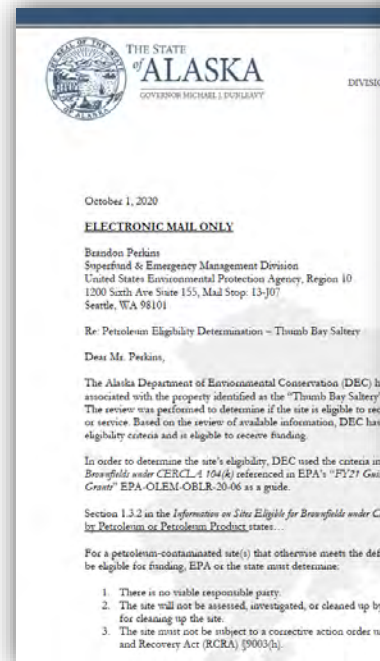


Technical Assistance and Support

- Site Eligibility Determinations
- Acknowledgment Letters
- Community-Specific Support



HBM Abatement, Kasaan Library



DEC Brownfield Assessment and Cleanup (DBAC) Services



Former Head Start Building
Ruby, AK

Keku Cannery
Kake, AK

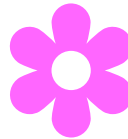


Talkeetna Library
Talkeetna, AK

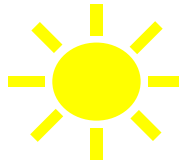
- Competitive Statewide
- Types of services provided
 - Property Assessment and Cleanup Plans (PACPs)
 - Analysis of Brownfield Cleanup Alternatives (ABCAs)
 - Phase I / Phase II Assessments
 - Hazardous Building Materials (HBM) Surveys
 - Site Remediation Planning and Cleanup Activities
- Usually, 6-7 projects per year
- Projects range from \$25,000 to \$125,000



DBAC
Application
Period Open



Proposals
Reviewed &
Recipients
Announced



Projects
Funded &
Scoping



Workplans
Developed &
Fieldwork
Conducted

Applying for DBACs

Application Period from November - February

Threshold Criteria

- 1) The site IS NOT federally owned.
- 2) The site or facility HAS NOT received funding for remediation from the Leaking Underground Storage Tank (LUST) Trust Fund.
- 3) DBAC applicant IS NOT directly responsible for causing the potential contamination.
- 4) The property owner IS NOT directly responsible for causing the potential contamination.
- 5) There is a documented reuse or redevelopment plan for the site.

Evaluation Criteria

- 1) Project requirements
- 2) Project Costs
- 3) Project Team
- 4) Viability of the Reuse Plan
- 5) Communitywide Support and Benefit

Division of Spill Prevention and Response
CONTAMINATED SITES

ABOUT DEC BROWNFIELDS LOCATE BROWNFIELDS IN ALASKA TECHNICAL ASSISTANCE

You Are Here: DEC / SPAR / CSP / Brownfields / DEC Brownfields Assessments And Cleanup Service

APPLYING FOR DEC BROWNFIELDS ASSESSMENT AND CLEANUP SERVICES

FY21 APPLICATION PERIOD OPEN FROM NOVEMBER 15 TO FEBRUARY 15, 2021

Table of Contents

- Introduction
- Reuse and Community Support
- Eligible Applicants
- Application Process
- Application Assistance
- Submission Requirements
- Ranking Criteria
- Disclaimer

Video: Tips for Applying

Introduction

Thank you for your interest in applying for Alaska Department of Environmental Conservation (DEC) Brownfields Assessment and Cleanup services. Using funds from the U.S. Environmental Protection Agency (EPA), DEC will conduct a number of DEC

DBAC APPLICATIONS

- DBAC Application
- DBAC Application
- DBAC Fact Sheet
- DBAC Fact Sheet

BROWNFIELD PARTNERSHIP

BROWNFIELD BENEFITS

BENEFITS OF BROWNFIELD PARTNERSHIP

STATE AND TRIBAL PROGRAMS

ALASKA BROWNFIELD PARTNERSHIP

FUNDING OPPORTUNITIES



Coming Next...DBACs

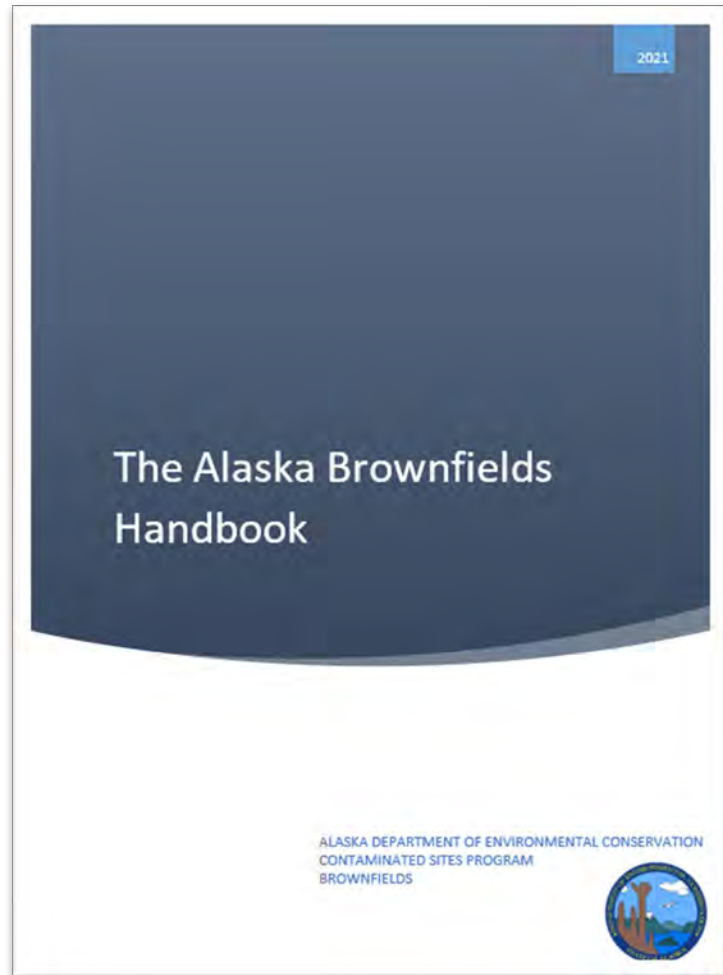
- Completing FY21 DBACs
- Received 10 Applications for FY22 DBAC services
- Scored and ranked applications (March)
- New DBACs selected based on ranking and resources available
- DEC anticipates notifying selected projects in April/May of available funding
- DEC will scope work and select contractors in May/June
- DEC anticipates field work summer/fall



*Discovery Campus, Kasaan
2020-21 Petroleum Cleanup*



Coming Next...Alaska STRP Handbook



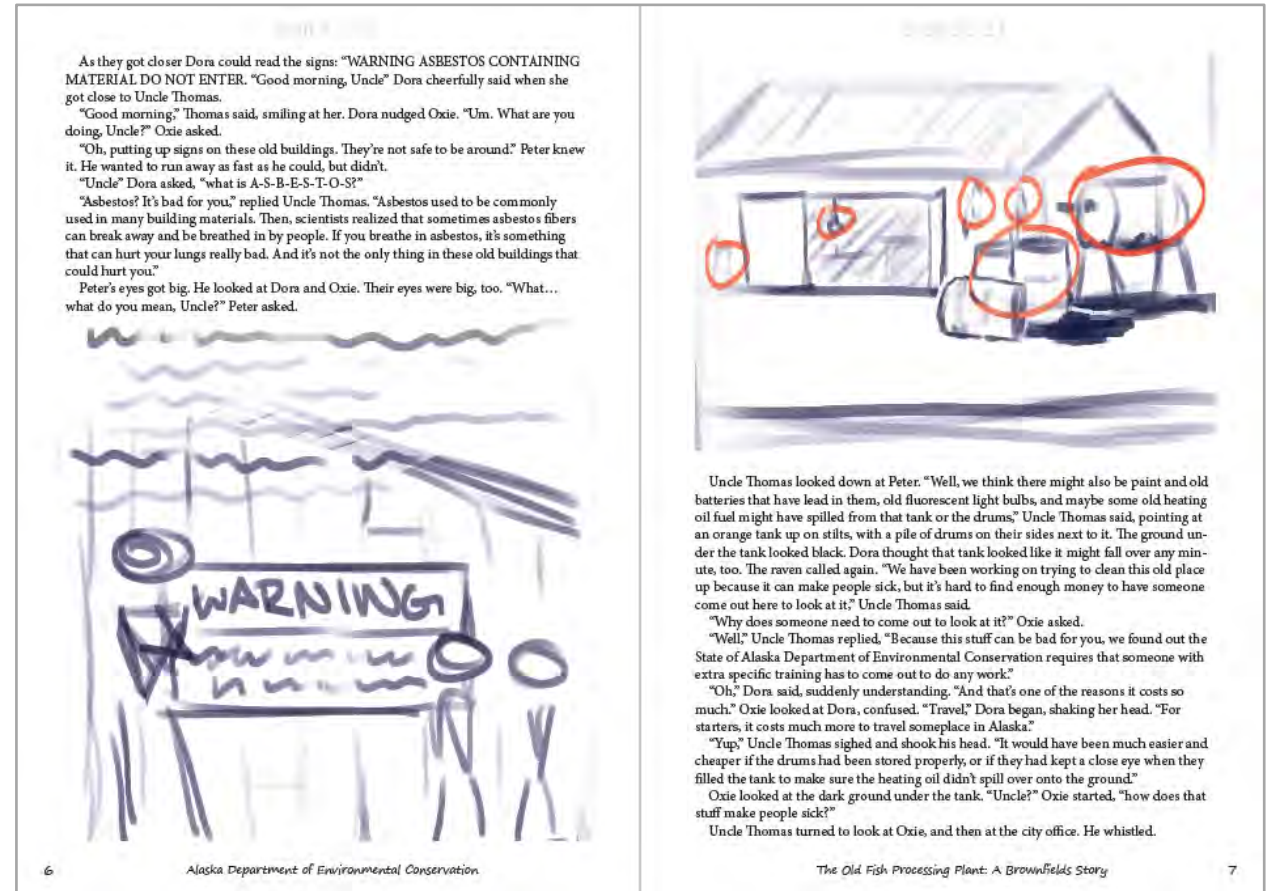
Expected Publication: May 2021

- Reference guide of brownfields-related resources and programs for TRPs
- Directory of federal, state, tribal response programs, and other relevant programs that can help answer questions and provide additional support to the brownfields community
- Background information on brownfields projects and TRPs generally



Coming Next...Additional Outreach and Education

- Youth Booklet: *The Old Fish Processing Plant: A Brownfields Story*
- Updated Website, DBAC Summaries
- More Case Studies / Fact Sheets
 - Story Map(s)
 - Recommended projects or issues to highlight?
- Training
- Webinars
 - Topic ideas?



Draft Storyboard of Youth Booklet



Former Trespass Shooting Range

Delta Junction, Alaska

Highlights

- Formerly an unauthorized shooting range
- Contaminated with lead, arsenic, antimony, and copper
- Received EPA Targeted Brownfields Assessment funds and DEC Brownfields Cleanup and Assessment Services
- Over 800 yd³ of contaminated soil cleaned up and disposed of properly
- Ready for reuse as a recreational trail system

“Reclaiming this once contaminated area so that we can create outdoor recreation for all users, here in Delta Junction, is a real game changer.”

- Delta Junction Trails Association



Delta Junction Trespass Shooting Range (2009)



Design for Delta Junction Riverwalk Park

Former Mat Maid Dairy (Parcel A) *Palmer, Alaska*

Highlights

- Matanuska Maid Block Parcel A is one part of a city block that was originally developed in 1935 and was a central corridor of the Matanuska Colony
- Formerly a dairy facility, the property has been vacant since 2007
- DEC assisted the City in identifying areas of petroleum contamination and installing sampling wells.
- Awarded a Targeted Brownfield Assessment from EPA in 2013
- Property cleaned up and no longer a threat to the health or safety of humans or the environment
- Reused as a successful brewery and tap room

The Mat-Maid Block was once the industrial and commercial heart of the Matanuska Valley. Continued redevelopment of this legacy site is key to a community vision for a vibrant, mixed-use district with quality amenities, open space and destinations that reflect the City's history and local culture."

- Brad Hanson, City of Palmer, Director of Community Development



Figure 1 - Before redevelopment.

Source: Mat-Su Valley Frontiersman, July 28, 2016



Figure 2 - After redevelopment.

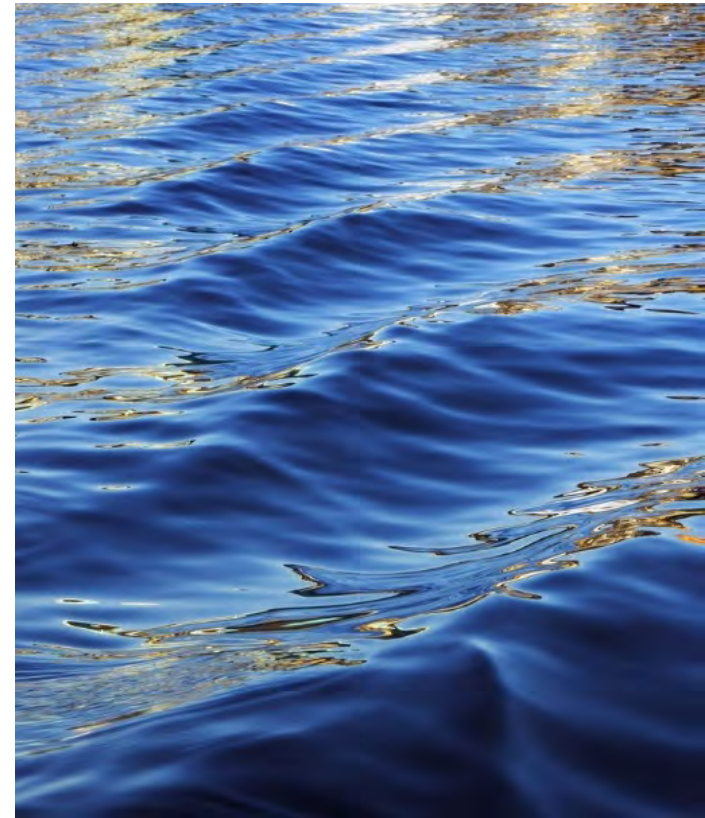
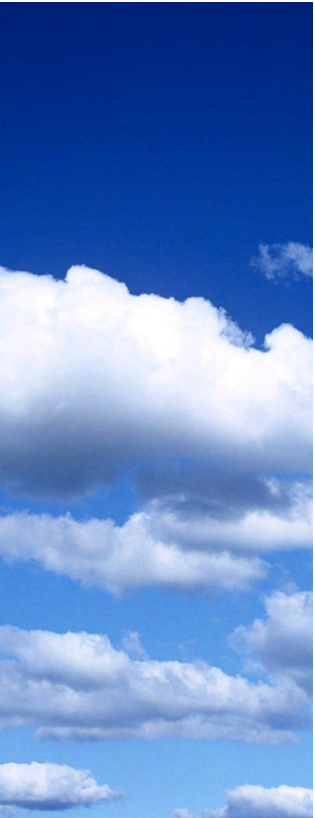
Source: Matanuska Brewing Company

For More Information

brownfields.dec.alaska.gov

Lisa Griswold
lisa.griswold@alaska.gov

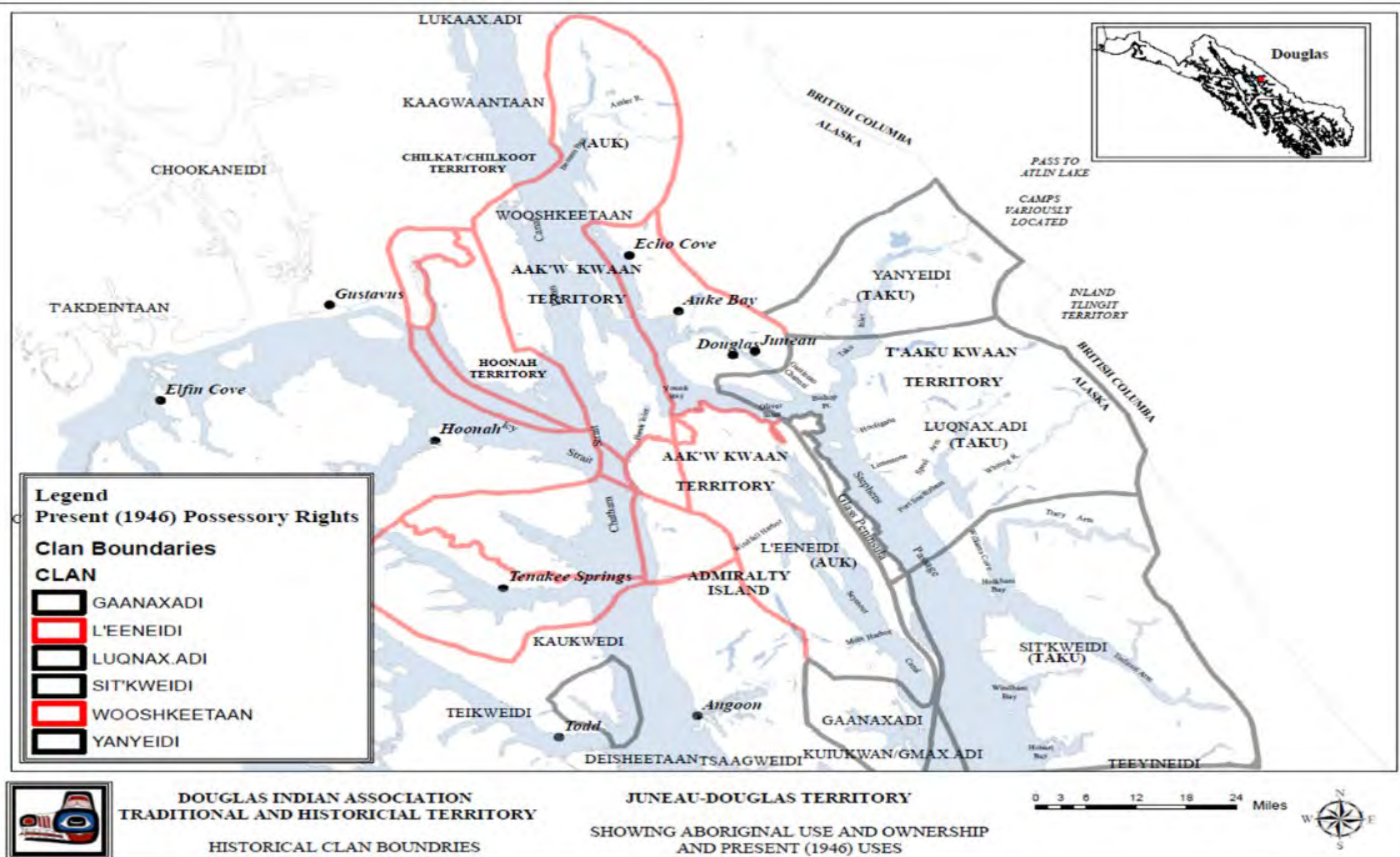
Marc Thomas
marc.thomas@alaska.gov





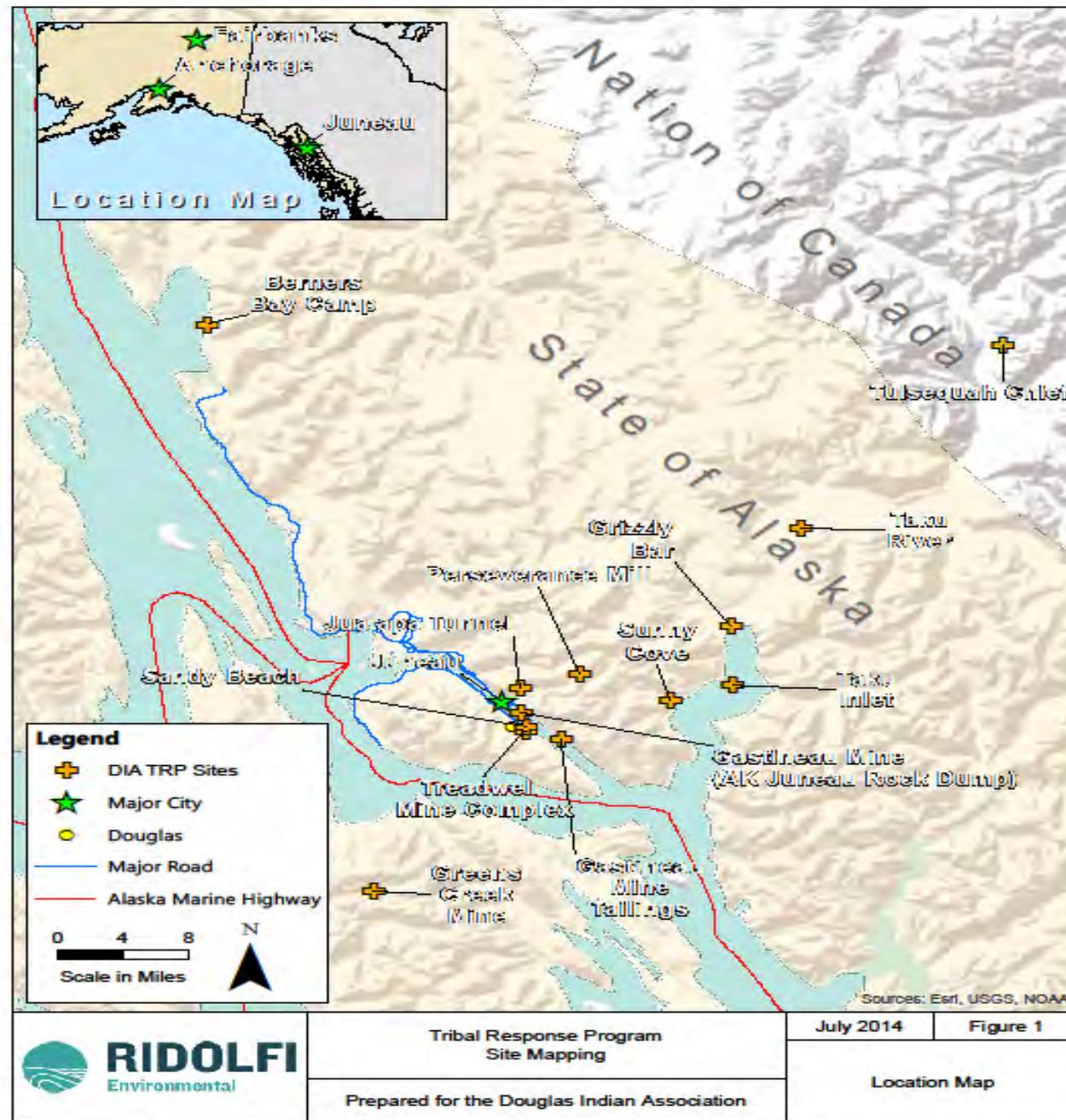
Douglas Indian Association
TRIBAL GOVERNMENT

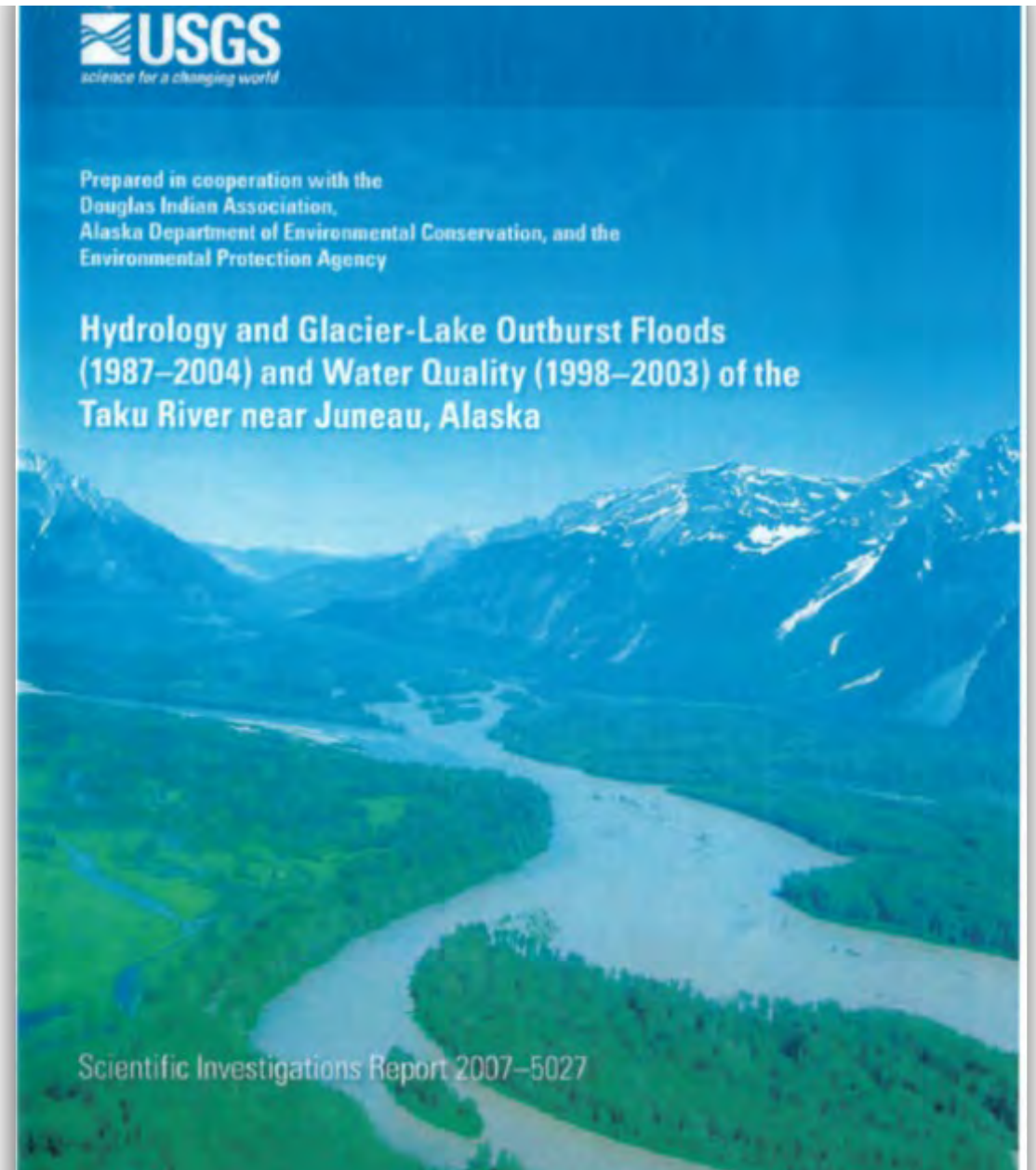






University of Washington Libraries, Special Collections Division















Peter Naaroz Property
Sampling Data Report

Prepared for the Douglas Indian Association

September 2017

Figure 2

Peter Naaroz Property
Sampling Locations





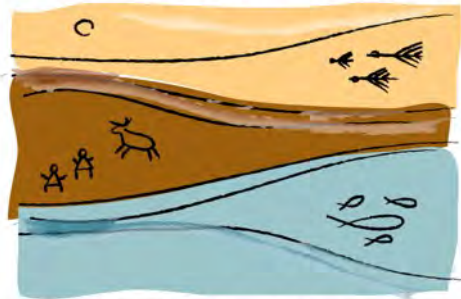




Thank You

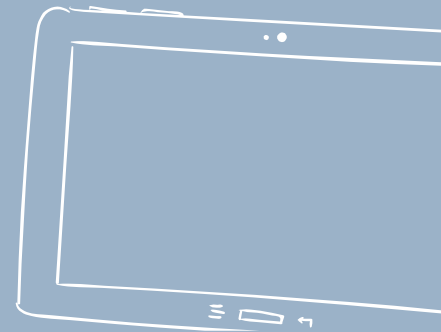
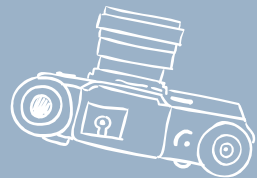
GUNALCHÉESH

NATIVE VILLAGE OF GAKONA EPA



FOR A CLEANER EARTH • FOR A STRONGER PEOPLE

Gakona's Tribal Response Program



About Us

- Located in Gakona , Alaska. Approximately 200 miles away from Anchorage.
- Gakona has one site that takes most of the attention: The Heinz Site.
- We have a total of 14 sites in our Public Record.
- Our TRP is committed to Gakona, Mentasta, and everything in between totaling 346,793 acres.
- Established in 2017.



Derri Sinyon
Environmental Coordinator

Been with Gakona since April 2018.
Started out as the Environmental Assistant.
Loves visual communication and traveling.



Benjamin Frank
Environmental Assistant

Been with Gakona since October 2020.
Started from the bottom, now he's here.
Loves the Boston Red Sox and Arizona Cardinals

An aerial photograph showing a large, cleared, sandy area in the center, surrounded by dense forest. The forest has a mix of green and brown trees, suggesting autumn. A blue vehicle is parked on the left side of the cleared area. There are some small structures or debris scattered around the perimeter of the cleared area. The text "BLM Fire Lookout Site" is overlaid in large red letters across the middle of the image.

BLM Fire Lookout Site

An aerial photograph of a waste transfer station or recycling facility. A large semi-truck is parked on the left side of a gravel lot. Several cars and smaller vehicles are parked in the center. There are piles of debris, including what looks like a large pile of green material (possibly grass or hay) and a pile of brown material (possibly wood chips or mulch). The site is surrounded by trees and vegetation. The text "Mable Creek Pit Site" is overlaid in red on a semi-transparent white background.

Mable Creek Pit Site



Heinz Site

PreCleanup





During Cleanup



During Cleanup



Post Cleanup

Obstacles

Learning
Curve

Lulling
Moments

The long, hard
journey to clean up a
single site.



Solutions

Keep busy and keep track of your progress.
Set goals and learn something new everyday.
Find your passion within your program.





Thanks!

Any questions?

You can find me at:

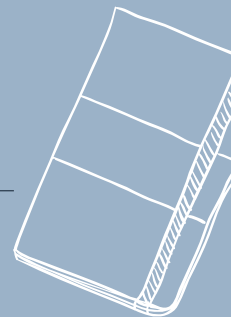
@907.822.5777

gakonaec@gmail.com (Derrick)

gakonaepa@gmail.com (Ben)

www.nvgakona.com/brownfields

Slides by www.slidescarnival.com/



Sitka Tribe of Alaska Tribal Response Program 2021 STRP workshop update

Helen Dangel

Tlingit name *Akléi*

Kaagwaantaan or Eagle/ Wolf Clan



STA's Brownfields/ Tribal Response Program



Site Name	Latitude	Longitude	Status	AKDEC Haz ID	PU
Abalone Island SCR-296 Radar Facility	57.069	-135.431	Former Used Defense Site		F
Airport Access Road ADOT&PF	57.049	-135.354	DEC- Open Site	1759	
APC - Sitkoh Bay East Side LTF	57.520	-134.934	DEC CC-Institutional Controls	3874	
APC - Sitkoh Bay West Side LTF	57.504	-134.924	DEC Cleanup Complete	3875	
Ataku Fire Control Station	56.828	-135.491	Former Used Defense Site		F
Beaver Point Defense Site	57.089	-135.842	Former Used Defense Site		F
Biorka (Fort Pierce) Walton Native Allotment	56.853	-135.615	DEC- Open Site/ Formerly Used	25445	F
Biorka FAA Living Qtrs & LUST	56.854	-135.521	DEC CC-Institutional Controls	901	
Biorka Island Dump Site/ Fort Pierce	56.853	-135.542	Former Used Defense Site		
Biorka Island FAA RCAG	56.851	-135.553	DEC Cleanup Complete	2546	
Biorka Island FAA Station (VORTAC)& Unpermitted Landfill/ LUST	56.854	-135.535	DEC Cleanup Complete	1761	
Biorka Island USCG LORAN	56.856	-135.555	DEC- Open Site	25426	
Cape Burund Defense Site	56.983	-135.374	Former Used Defense Site		F
Cape Edgcombe Fire Control Station	56.995	-135.850	Former Used Defense Site		F
Causeway Dump Site (Fort Rousseau)	57.045	-135.378	Former Used Defense Site		im
Causeway/ Fort Rousseau	57.040	-135.390	DEC- Open Site/ Formerly Used	25293	F
Charcoal Island Garrison Site	57.046	-135.354	DEC Cleanup Complete	2382	F
Ciam Island Harbor Defense Site	57.070	-135.436	DEC Cleanup Complete	3130	F
Cobol Mine Power Plant	57.490	-135.669	DEC Cleanup Complete	2710	
Forest Service Cascade Creek Facility	57.075	-135.370	DEC- Open Site	26343	
Former Sitka Public Works	57.064	-135.355	DEC- Open Site	3284	
Fort Ray (Harbor Mtn area)	57.076	-135.346	Former Used Defense Site		F
Galankin Island Former Defense Site	57.026	-135.339	DEC- Open Site	3727	F
Golf Island Defense Site	56.785	-135.394	Former Used Defense Site		F
Herring Cove Illegal Dump	57.046	-135.209	STA priority		

Sitka Tribe of Alaska

Home Tribal Services Tribal Enterprises Government News & Events About Us Contact

BROWNSFIELDS PROGRAM

RESOURCE PROTECTION

STAFF:

- [Jeff Feldpausch](#)
- [Chris Whitehead](#)
- Helen Dangal
- Karl Lanthier
- Leigh Engel
- Jerry Stralow
- Kyle Rosendale

PROGRAMS AND PROJECTS:

- [Herring Program](#)
- [Klag Bay Sodkeys Assessment](#)
- [Department of Defense](#)
- [Southeast Alaska Tribal Ocean Research](#)
- [Brownfield Program](#)
- [Traditional Foods](#)
- [Marine Biotoxin Lab](#)

COMMITTEES/ COMMISSIONS:

- [Kayaash](#)
- [Marine Mammals](#)
- [Herring](#)
- [Customary, Cultural & Traditional](#)
- [Commercial Fisheries](#)

STA Interactive Contaminated Sites Map

Click map to explore contaminated sites in the Sitka area (Sitka area). Please click the double-arrow for Map Legend



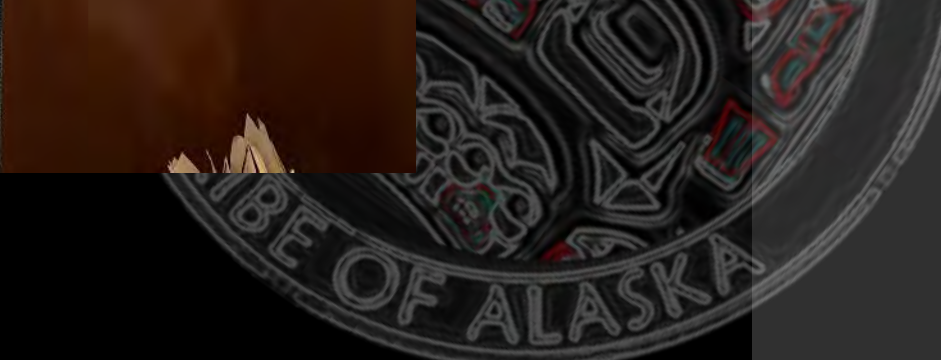
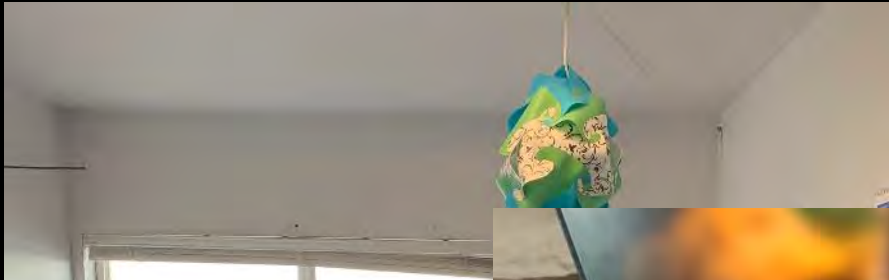
[View larger map](#)

What is a Brownfield?

Brownfields are sites where use or development is complicated by the presence or potential presence of hazardous substances or contaminants. Examples of brownfields include illegal dumps, petroleum spills, structures with lead paint or asbestos, former industrial areas, or abandoned mines. A Brownfield needs to have the potential to be redeveloped or reused. Such redevelopment or reuse could be 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.

STA's Brownfields/TRP







REPORT IT!

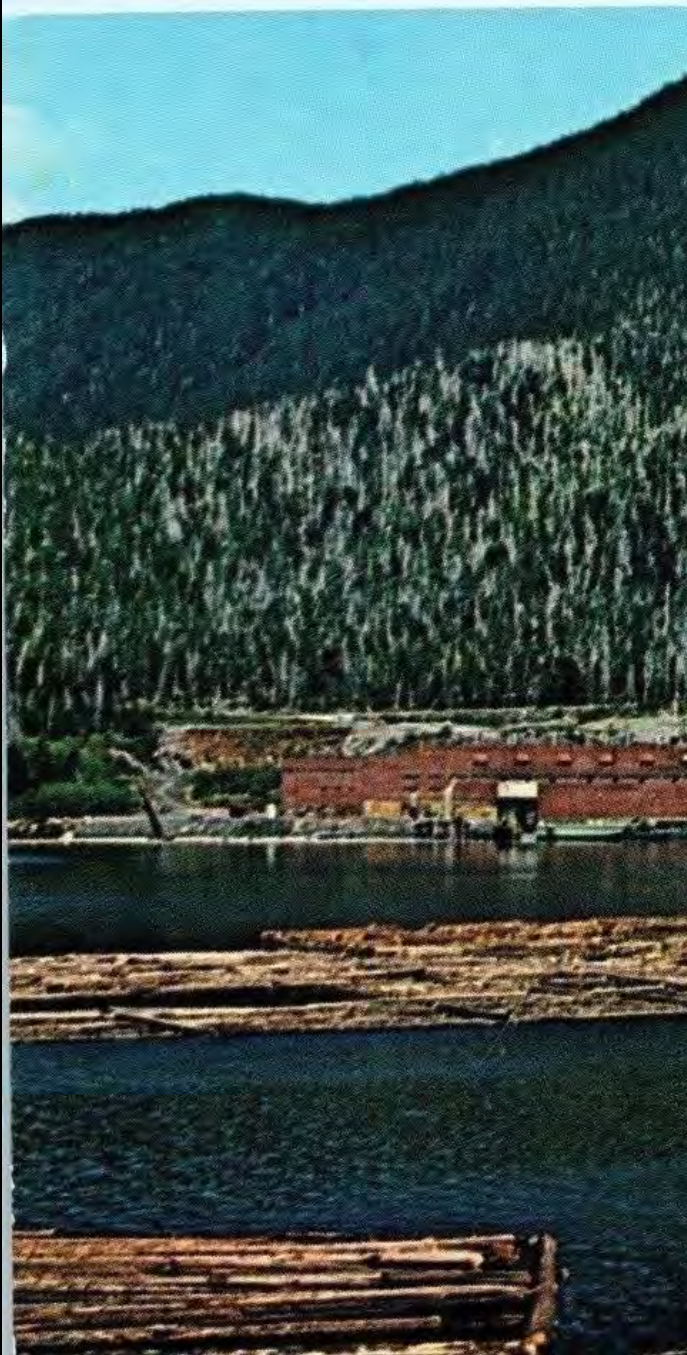


Scan here to fill out form

through the STA
Brownfields program

*a contaminated site can be any
kind of hazardous waste or spill
(oil/ petroleum, pesticides, etc.)







2.
Chichagof, Alaska

Wedge 8

Region 10 Targeted Brownfields Assessment Program

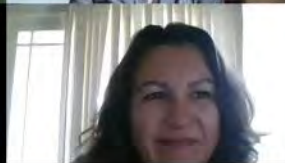
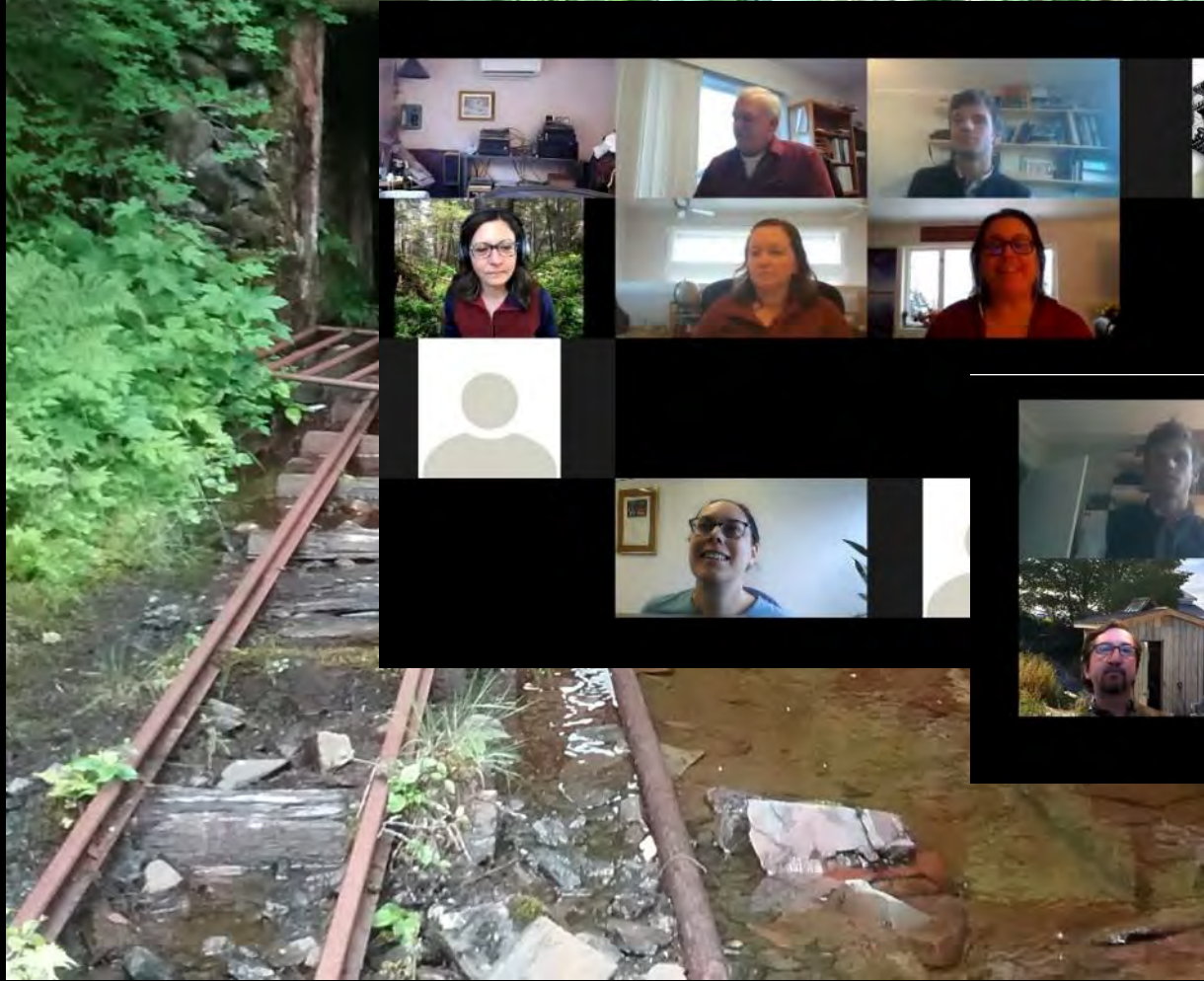
Alaska Idaho Oregon Washington

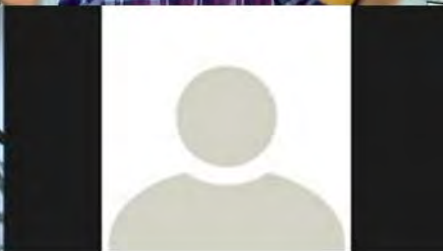
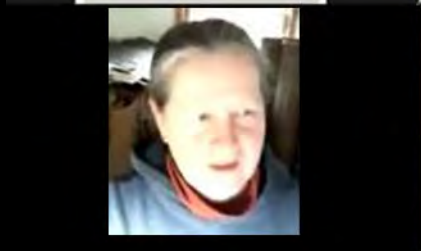
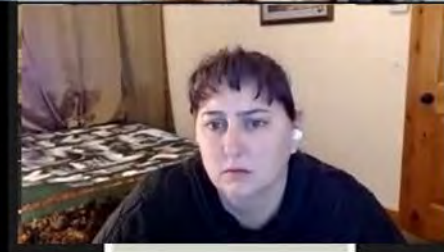


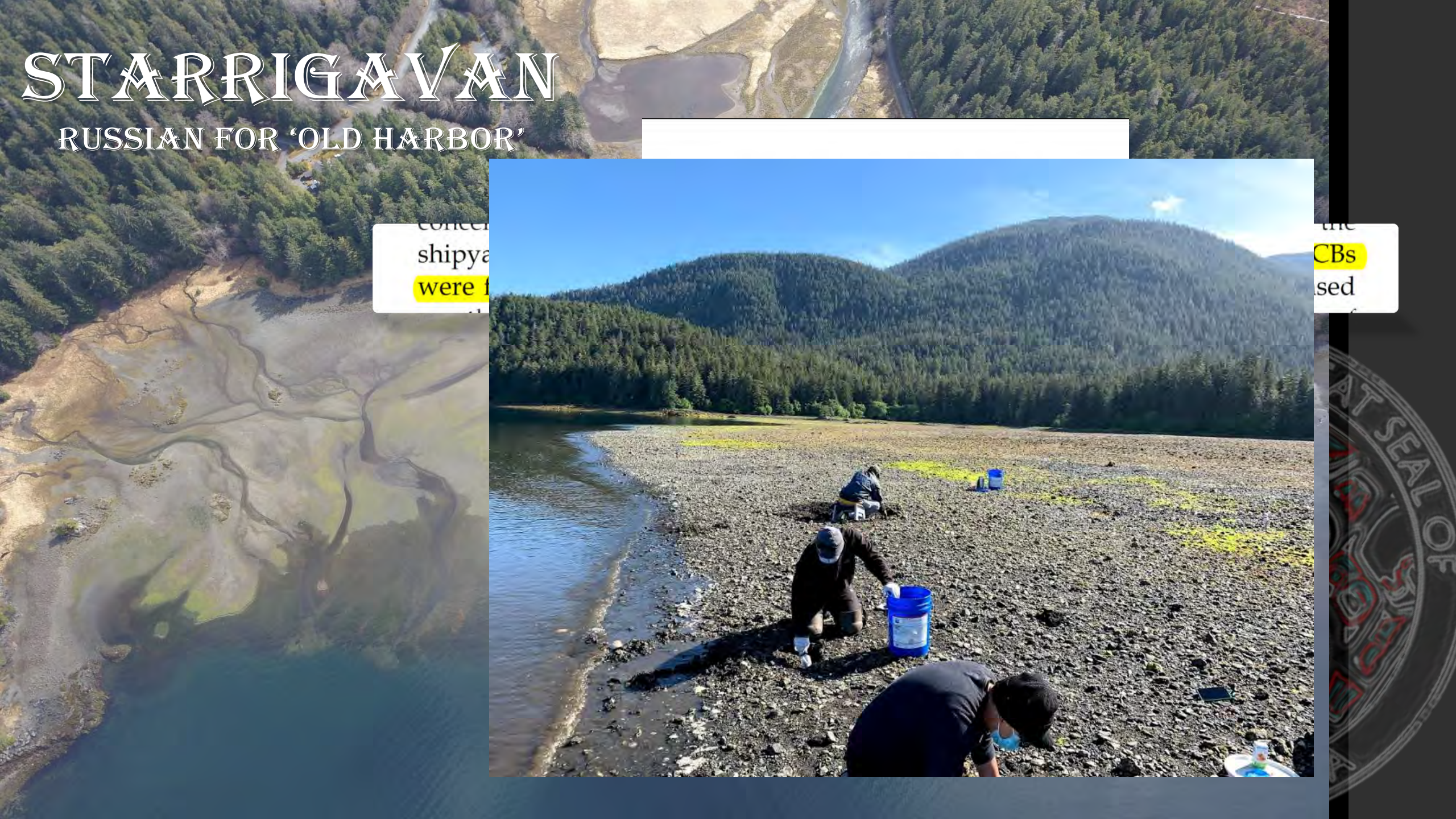


Photographed by: Jeff Fetters (JF), Derek Pulvino (DP)







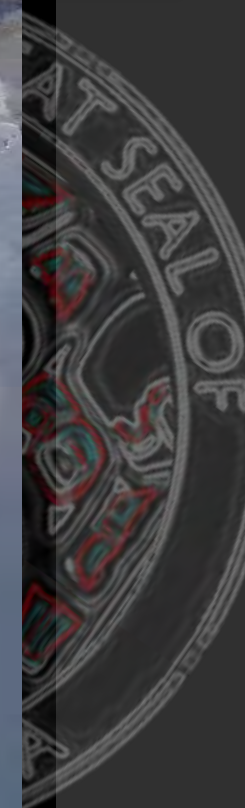


STARRIGAVAN

RUSSIAN FOR 'OLD HARBOR'

concern
shipyard
were f

the
CBs
used





TRIBAL RESPONSE PROGRAM

DRAFT STARRIGAVAN BAY
SEDIMENT AND SHELLFISH
SAMPLING QUALITY ASSURANCE PROJECT
PLAN



Sitka, Alaska

Prepared for the
Sitka Tribe of Alaska

Prepared by
RIDOLFI Inc.

September 2019



Tribal Response Program FY 2018

Site-Specific Health and Safety Plan
Starrigavan Bay

SEPTEMBER 2019





Station STA-04
Sample 20305513

Arsenic = 6.82 mg/Kg
BZ-110 = 0.00046 mg/Kg
BZ-52 = 0.00042 mg/Kg
BZ-101 = 0.00051 mg/Kg
BZ-118 = 0.00052 mg/Kg
BZ-138 = 0.00081 mg/Kg
BZ-153 = 0.00066 mg/Kg
Benzo[a]anthracene = 0.0055 mg/Kg
Benzo[a]pyrene = 0.0031 mg/Kg

Station STA-03
Sample 20305510

Not submitted due to
insufficient yield

Station STA-02
Sample 20305503

Arsenic = 12.7 mg/Kg
Lead = 9.28 mg/Kg

Station STA-01
Sample 20305506

Arsenic = 12.2 mg/Kg
Lead = 2.70 mg/Kg

Station STA-06
Sample 20305520

Arsenic = 11.1 mg/Kg
Cadmium = 0.577 mg/Kg

Station STA-05
Sample 20305517

Arsenic = 7.14 mg/Kg
BZ-138 = 0.00064 mg/Kg
BZ-153 = 0.00052 mg/Kg
Benzo[a]anthracene = 0.0071 mg/Kg

Station STA-08
Sample 20305521

Arsenic = 10.6 mg/Kg

Station STA-09
Sample 20305523

Arsenic = 8.76 mg/Kg
Cadmium = 1.12 mg/Kg

Station STA-07
Sample 20305522

Arsenic = 13.2 mg/Kg

Sportsman's
Shooting Range

Allen Marine
Shipyard


Ferry
Terminal

Samson Tug
& Barge

Halibut Point Rd








Helen Dangel


Tribal Brownfields Forum

TopicsDiscussionsLibraryMembersSearchContactFeedback


Element 4: Cleanup Plan Review and Approval

DiscussionFollowNew Threadsearch text


ATCEM Video on Cleanup Plan Reviews and SOPs

 Mickey Hartnett 3 MONTHS AGO 1 reply


Example Cleanup Plans and SOP for CU Plan Approvals

 Mickey Hartnett 8 MONTHS AGO


Please see the example Cleanup Plans we have added to the Library Section in this Forum. Let us know if these are helpful. ALSO, see attached for a Draft Outline of a SOP for the review of a state or federal Cleanup Plan. We welcome your comments and feedback on that! @Page @Page

 Generic Cleanup Reviews SOP Outline -V2.docx

hide replies


 Mickey Hartnett 8 MONTHS AGO

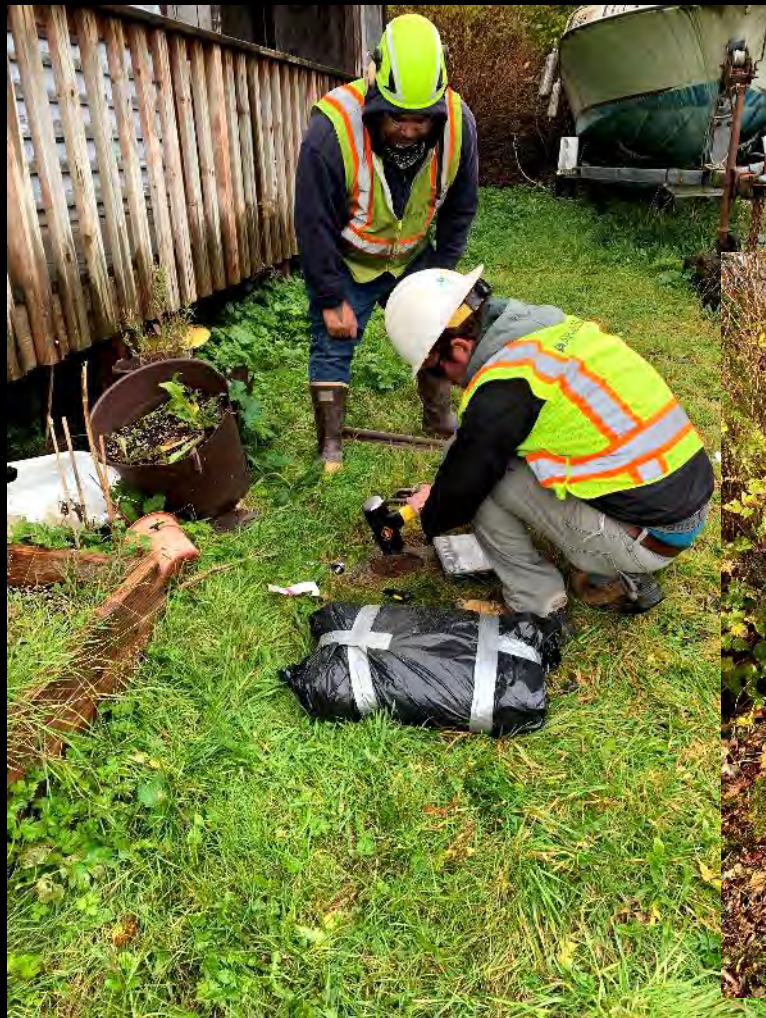
FYI: The Sitka Tribe of Alaska has developed a SOP for their tribe for review and approval Cleanup Plans. (It will be posted in the Forum Library) It is written for their tribal internal procedures and protocols and addresses several scenarios of types of Cleanup Plans written by different entities. In cases of state or federal (i.e. EPA/DoD) Cleanup Plans the tribe may have the ability to review and comment on a plan even if they cannot issue a formal "approval". Each state and federal agency has their own requirements and procedures for public review and comments on draft cleanup plans so you would need to determine those for your state and sites. @Page @Page

 Final SOPs Tribal Approval of Actions and Verification of Cleanup.docx

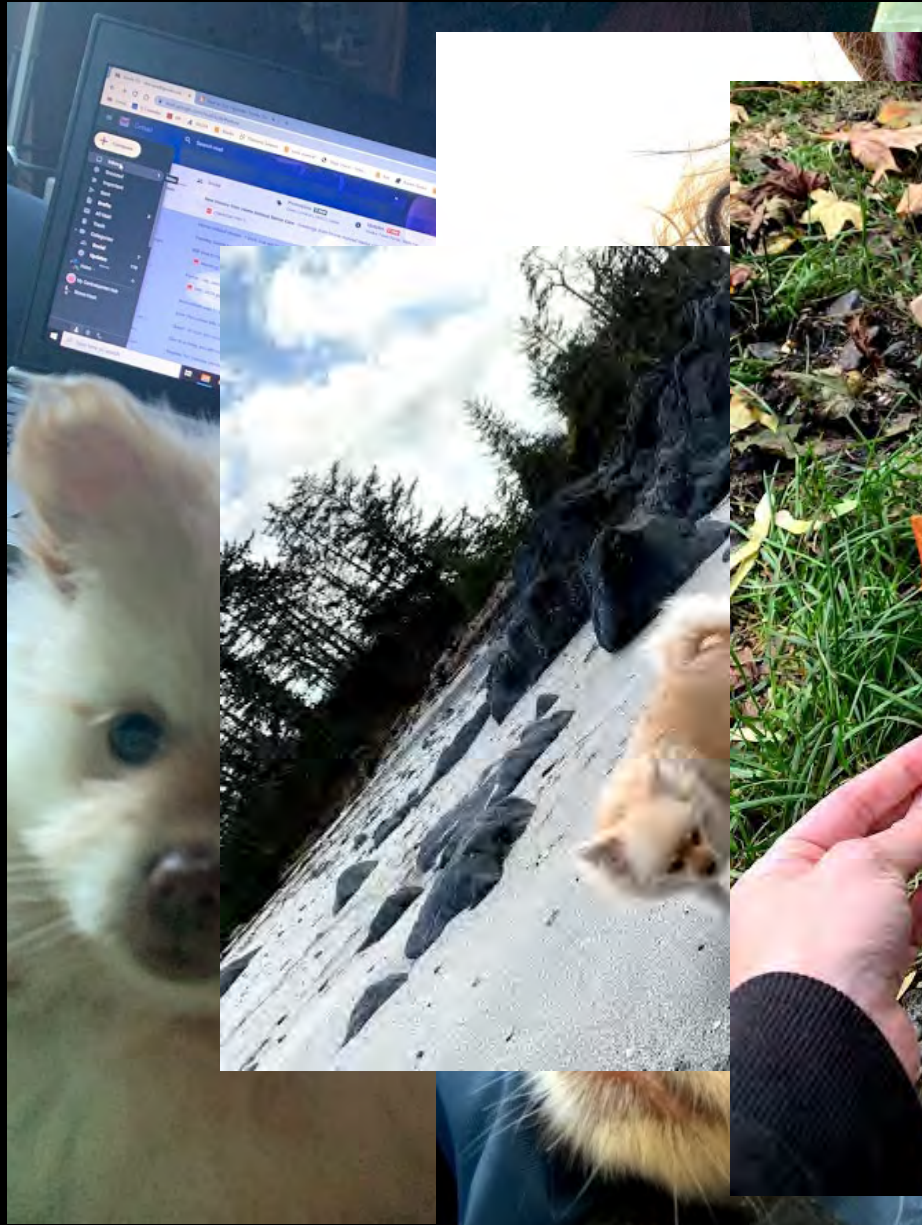
Add Reply

Cleanup Plan Approval/Disapproval

 Richard Chiolero ONE YEAR AGO 24 replies









• Joe Kameronoff

- Returning TRP Coordinator for Native Village of Napaimute
- Work on Napaimute's goals in their Tribal Environmental Plan
- I have been working in environmental department for Donlin Gold during my time absent from Tribal Response Program
 - Gained additional knowledge in Environmental Sector
 - Gained heavy equipment certifications

Contact info:

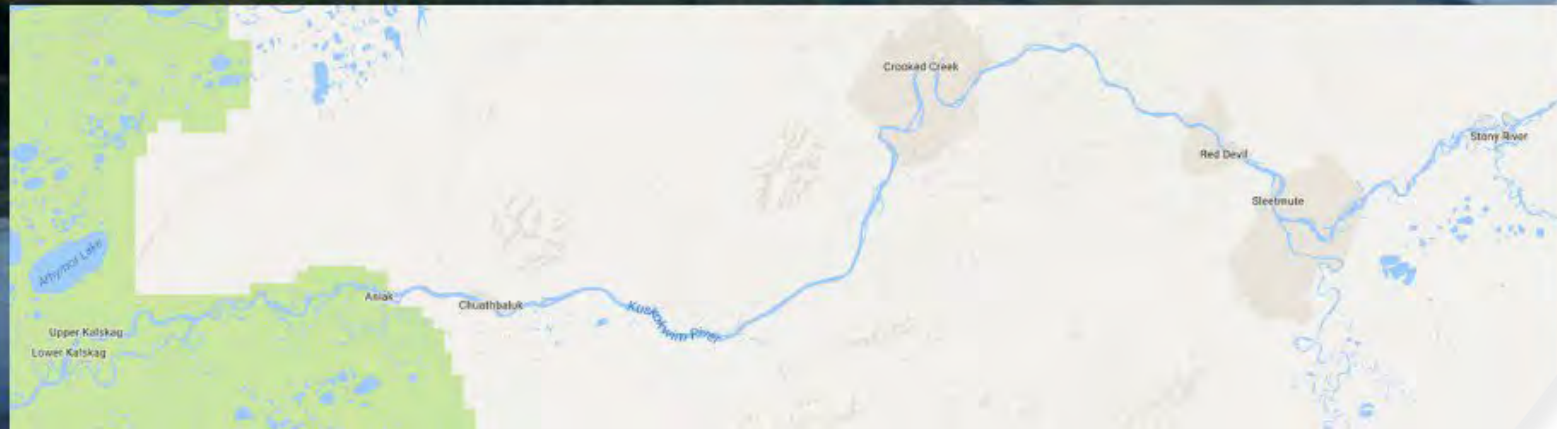
Napaimute.brownfields@gmail.com

(907)675-4388



Native Village of Napaimute

Brownfields Tribal Response Program



Points to Discuss:

Find

Find possible brownfields sites in Area

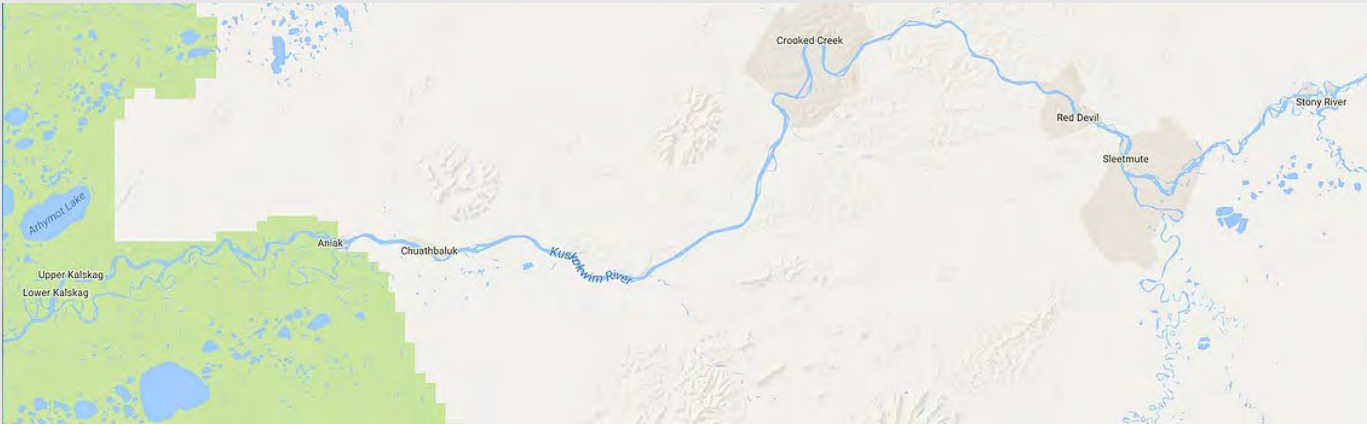
Involve

Involve Native Village of Napaimute in local spill response with Alaska Contingency Plan

Protect

Protecting local habitat to keep tribal way of life for generations to follow

Find possible brownfields sites in area



Collaborate

- Collaborate with other villages in region to hopefully get knowledge of old sites that can be added to inventory. Learn of what was there and what could be there if any

Talk

- Talk to Elders in the villages about historic mining along the Kuskokwim river

Document

- Document findings, get locations on maps and do additional research as needed once information is gathered

Collaborate with other villages

SUBSTANCES THAT MAYBE PRESENT IN ALASKA

- Gasoline
- Diesel
- Asbestos
- Lead
- PCBs
- Mercury
- Pesticides
- Many other contaminants



- Talk to locals, discuss my position with NVN as brownfields TRP Coordinator and how I can help their community
- Talk to locals in their community of areas of concern



Talk with local Elders of historic mining along the Kuskokwim

- Record conversations with Elders, provided they are willing to discuss their recollection of the mining activity
- Provide maps to get general locations of mining activity
 - i.e., barge landings, staging areas and operational locations.
- Take photos and preliminary inventories, and document findings

Document findings, locations on map and do additional research as needed once information is gathered

- Proper documentation and record keeping are essential for historic preservation of history
- Once areas of concern are found in need of additional research, the TRP coordinator can add into inventory list
- Take a lot of photos and maps for routs, landing areas, operational areas



The background image shows a body of water with a dark, irregular spill. A white boom is visible on the right side, partially enclosing the spill. The water is dark blue and grey, with some white foam or surf visible near the boom.

Spill Response in Alaska

Research

Research Alaska
Contingency Plan

Find

Find requirements for
spill response team

Build

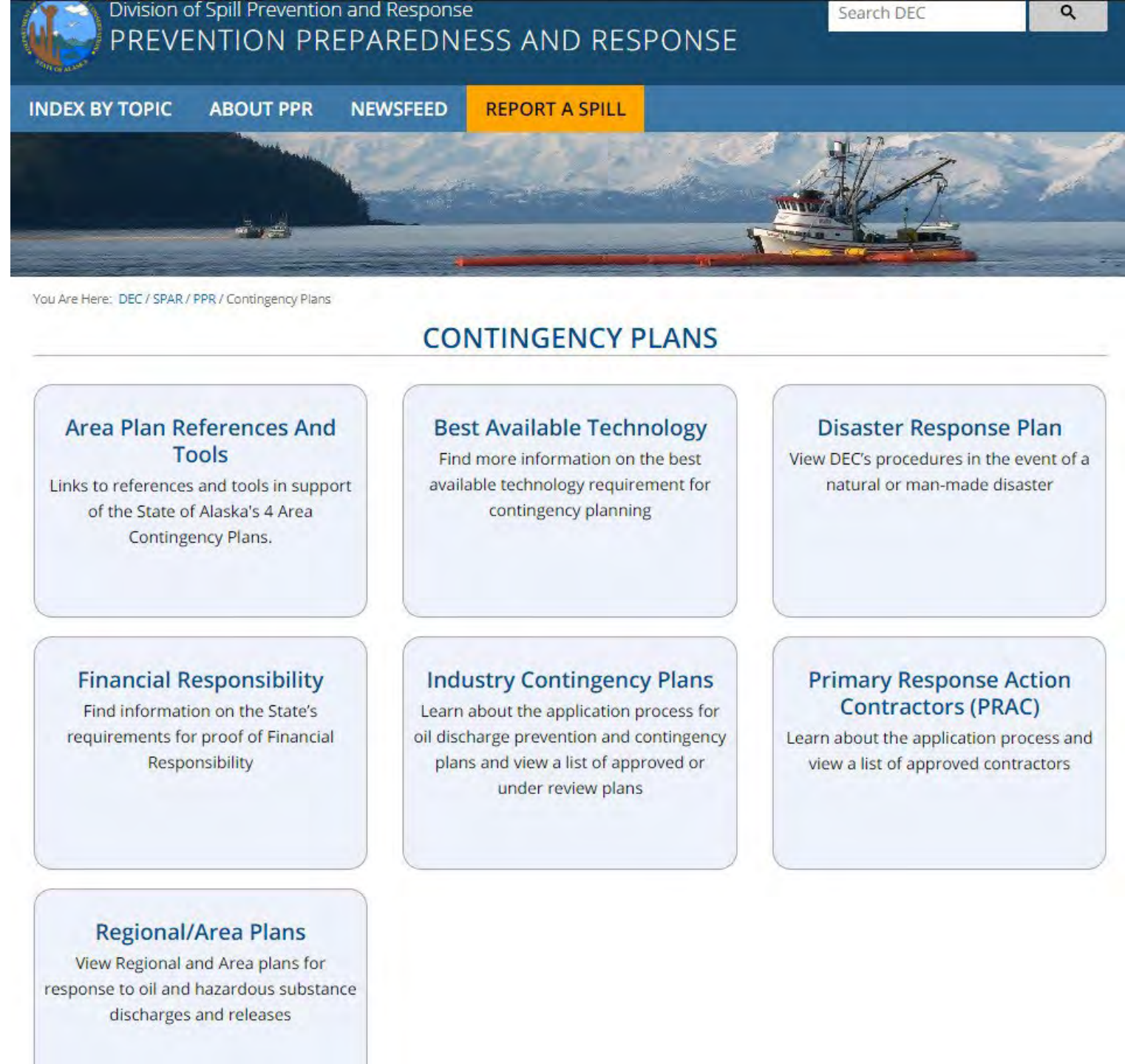
Build capacity to be a
response team member

Research Alaska Contingency Plan

- Alaska Contingency Plan for western region is available online

<https://dec.alaska.gov/spar/ppr/contingency-plans/>

- A comprehensive list of information on spill response in Alaska is at one website
- Many links are provided for additional resources



Division of Spill Prevention and Response
PREVENTION PREPAREDNESS AND RESPONSE

INDEX BY TOPIC ABOUT PPR NEWSFEED REPORT A SPILL

You Are Here: DEC / SPAR / PPR / Contingency Plans

CONTINGENCY PLANS

- Area Plan References And Tools**
Links to references and tools in support of the State of Alaska's 4 Area Contingency Plans.
- Best Available Technology**
Find more information on the best available technology requirement for contingency planning
- Disaster Response Plan**
View DEC's procedures in the event of a natural or man-made disaster
- Financial Responsibility**
Find information on the State's requirements for proof of Financial Responsibility
- Industry Contingency Plans**
Learn about the application process for oil discharge prevention and contingency plans and view a list of approved or under review plans
- Primary Response Action Contractors (PRAC)**
Learn about the application process and view a list of approved contractors
- Regional/Area Plans**
View Regional and Area plans for response to oil and hazardous substance discharges and releases

Requirements for spill response

- Once the requirements are provided, we hope to be a responder for our region
- These goals are identified in NVN EPA Tribal Environmental Plan (ETEP)
- However, additional training and requirements will need to be completed before obtaining this goal



Build capacity to respond to spills

- As identified in NVN ETEP, we plan to be involved in spill response
- Complete required steps identified in the Alaska Contingency Plan
- Once requirements are completed Napaimute will be available for response to help maintain the health of our region




Protect local habitat to
keep tribal way of life
for generations to
follow

Cultural and tribal wellbeing is
important for many in our region

Keeping land and ecosystem
sustainable for future generations to
prevail

Follow Elder's knowledge of culture
and way of life





Cultural and tribal wellbeing is important for many in our region

- The local way of life from our elders is important to keep alive for generations to follow
- Cultural heritage in Alaska is important to all native organizations in the state





Keeping land and ecosystems sustainable for future generations to come

- Animals and fish are a staple for food in our region, keeping water and land clean so that ecosystems can sustain wildlife and fish is a constant concern
- Sustainability of ecosystems and resources they provide will help future generations to follow in our cultural way of life

LEGACY — OF OUR — ELDERS

Follow Elder's knowledge
of culture and way of life

- Tradition is learned from Elder's stories, hands on learning while a task is taking place, and on special occasions
- Native culture is not well documented in written form
- Verbal lessons were taught

Recap of main point:



Find possible brownfields sites in our area.

SUBSTANCES THAT MAYBE PRESENT IN ALASKA

- Gasoline
- Diesel
- Asbestos
- Lead
- PCBs
- Mercury
- Pesticides
- Many other contaminants



- Visiting with people to find areas of concern so they can be added to our brownfields inventory list

Spill Response for Napaimute

- Complete requirements from the Alaska contingency plan for western Alaska so we can respond in our area
- Build capacity to obtain this goal

Take Action.

This Tribal Response Program is our opportunity to inventory, assess, and clean up our environment.



Sustain local habitat to keep tribal way of life for future generations to follow

- Keeping the ecosystem clean for all wildlife, fish and resources sustainable for future generations to enjoy
- Following Elder's knowledge of culture and traditions to keep our culture and traditions alive



DO YOU HAVE INFORMATION FOR POSSIBLE SITES TO BE ADDED TO OUR INVENTORY LIST?

With your help and knowledge, we will be able to gather information about old sites in our area. It is important to help keep our lands clean and our traditional way of life sustainable for the future.

- Contact:

- Brownfields Coordinator
Joe Kameroff JR
PO Box 107
Aniak, AK 99557
(907)675-4388
Napaimute.brownfields@gmail.com

<https://napaimutebrownfields.wixsite.com/napaimutebrownfields>



ONE PEOPLE ~ ONE RIVER



Yukon River Inter-Tribal Watershed Council

Brownfield Program

Tasha Mockta

Maryann Fidel

Birgit Hagedorn

YRITWC STRP Program - Overview

- Community Outreach
- Inventory
- Public Record
- Trainings
- Webinars
- Assessments
- Cleanup Support

Yukon River Watershed Communities

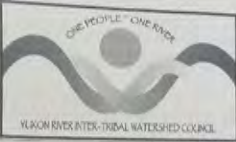
Since
2005

45
U.S.
communities

426
Brownfield
Sites



COMMUNITY VISITS

 Yukon River Inter-Tribal Watershed Council (YRITWC)
Brownfields Survey Guide for a Site Inventory

Instructions: This form is a tool that can be used in a variety of ways: it can be used with a community map and referenced when asking individuals about a potentially contaminated site; it can be used more formally as an interview questionnaire, or it can be completed following a visit or conversation with an individual about a specific site.
Citing Sources: Cite the source by providing the initials of the individual offering information next to his or her information, if you talk with more than one individual about a site. Sources also include websites.

Date 7/13/06

Name of Community Scammon Bay

Individual completing form Fay Shuckler, Charlene Stern

Community Member(s) Present Anthony Wale, Sebastian Kosagulis, Ellen Napolean

INFORMATION ON SITE OWNERSHIP AND USE

1. What is the official or common name of the site, property, or building in question?
mer gas station

2. What is the address of the property or building?
unmarked

3. Who is the current owner or operator of the site or building? Include contact information: phone, mailing address, and email, if available.
Askinak Corporation

4. Is this site in the DEC contaminated site database? If so, attach a copy of the database report.
no.

5. List any background documents or other resources that you have or know about, for the site or incident in question, and attach copies if available (e.g. DEC contaminated sites or LUST database summary).
no other info available



PUBLIC RECORD & INVENTORY



Alakanuk	AVEC Spill BIA South Bank Dumpsite Cannery David Jorgenson (DEJ) Tanks Teen Center Building	Lower Yukon School District Leaking Drums Old BIA School North Bank Public Dumpsite
Alatna	Old Fuel Storage Tank Transformer 1 Transformer 2	
Allakaket	AP&T Generator Building Current Dump Site Diesel Facility and Pipeline	Old Dump Old Gas Station/Fuel Tank Old School Tank Farm
Anaktuvuk Pass	Alyeska Excavation Former Barrell Stockpile Former Power Plant	

	A	B	C	D
1		color codes	yellow: selected fo	
2			blue: new entry	
3			green: new DEC In:	
4			orange: phase II	
5				
6				
7	Community/ Sites	Open/ Closed	Notes	Link to DEC Website
8	Alakanuk AVEC Spill		not on DEC website	
87	Chevak Wastewater Plant/ Tank Farm		Not in DEC Database	
88	Chevak Illegal Dump Site		Not in DEC Database	
89	City of Nulato	Open	Erin Gleason is state contact	
90	Crowley Nenana Fuel Terminal - Header Areas	Open		
91	Crowley Nenana Fuel Terminal - Rail Line / Middle Tan	Open		
92	Dot Lake AP&T Site		Not in DEC Database	
93	Emmonak Barrel Dump		Not in DEC Database	
94	Emmonak BIA Buildings (School and City Office tank farm)		Needs to be two separate sites. We did Phase 1 in 2011, nothing since	
95	Emmonak Canal and Slough		Not in DEC Database	
96	Emmonak City Shop Tank Farm	Open	Alaska Commerical Co. Store? (name on State database)	
97	Emmonak City Tank Farm Site	Open	Work plan has been sent to RP. Amy Rodman	
98	Emmonak Corporation Tank Farm	Open	DEC approved of March 2018 work plan by Restoration Science & Engineering	
99	Emmonak Current Dump		Not in DEC Database, Outreach to see what contaminates are in landfill to determine if an appropriate	
100	Emmonak Grant Aviation	Open	RP was Grant Av. and letter was sent. Any follow up to 2013 letter?	
101	Emmonak Washeteria	Open	Work plan was sent to RP. Work plan due Jan. 15, 2019, Amy Rodman	
102	Emmonak Yukon Delta Fisheries Development Associa	Open	Tanks are still present on site but no longer in use, RP has have letters sent	
103	Emmonak AKARNG Emmonak FSA	open	6/26/2018 an interim clean up action was propose, but AKARNG would like to complete clean up actio	
104	Evansville Current Dump		Not in DEC Database, Outreach to see what contaminates are in landfill to determine if an appropriate	
105	Evansville North End Runway Apron		Not in DEC Database	
106	Evansville Old Dump		Not in DEC Database, Outreach to see what contaminates are in landfill to determine if an appropriate	
107	Evansville Radar Facility		Not in DEC Database	
108	FAA Fort Yukon Quarters Facility Bldg 100 UST 9-C-7	open	DEC-required actions for cleanup 06/15/17	http://dec.alaska.gov/Applications/SP
109	FAA Fort Yukon Quarters Facility Bldg 101 UST 9-C-6	open	DEC-required actions for cleanup 06/15/17	http://dec.alaska.gov/Applications/SP
110	FAA Fort Yukon Quarters Facility Bldg 300 Interior Sum	open	DEC-required actions for cleanup 06/15/17	http://dec.alaska.gov/Applications/SP
111	FAA Fort Yukon Quarters Facility Bldg 601 Interior Sum	open	DEC-required actions for cleanup 06/15/17	http://dec.alaska.gov/Applications/SP
112	FAA Galena	open	Completed a site review 08/25/2015	http://dec.alaska.gov/Applications/SP
113	FAA Galena Sta. Living Quarters	open	File Review Completed 2009, Site reassigned to project manage	http://dec.alaska.gov/Applications/SP
114	FAA Nenana Station (South)	closed	Cleanup Complete 05/05/2017	http://dec.alaska.gov/Applications/SP
115	FAA Nenana Station Landfill	open	DEC Approval Site Investigation Report 03/12/2019	http://dec.alaska.gov/Applications/SP
116	FAA Northway (A) NDBeacon Bldg 402	open	Sent letter requesting GW monitoring at this site 03/06/2019	http://dec.alaska.gov/Applications/SP

PUBLIC RECORD & INVENTORY

Common Brownfields

Barrel Dumps & Tank Farms



PUBLIC RECORD & INVENTORY

Common Brownfields, Schools



THE YRITWC BROWNFIELD APP

Reporting a Brownfield



A screenshot of the 'Report a Brownfield' form. The title bar is blue with a back arrow and the title 'Report a Brownfield'. Below the title bar are three buttons: 'Save', 'New Form', and 'Drafts'. The form fields are as follows:

- Name***: A text input field with sub-labels 'First' and 'Last'.
- Name of Community***: A text input field.
- Email***: A text input field.
- Phone Number***: A text input field.
- Add a photo***: A section with a 'Choose File' button and the text 'no file selected'.
- Add photo #2**: A section with a 'Choose File' button and the text 'no file selected'.
- Add photo #3**: A section with a 'Choose File' button and the text 'no file selected'.

THE YRITWC BROWNFIELD APP

Requesting Services



Service Request

Thanks for using the YRITWC app. Use this form to connect to our community.

Name

First Last

Email *

Phone Number

Location *

www.google.com/maps?q=61.22017730679358,-149.89545376683

(If the location field is blank, try to enable location tracking, or just type in a nearby address.)

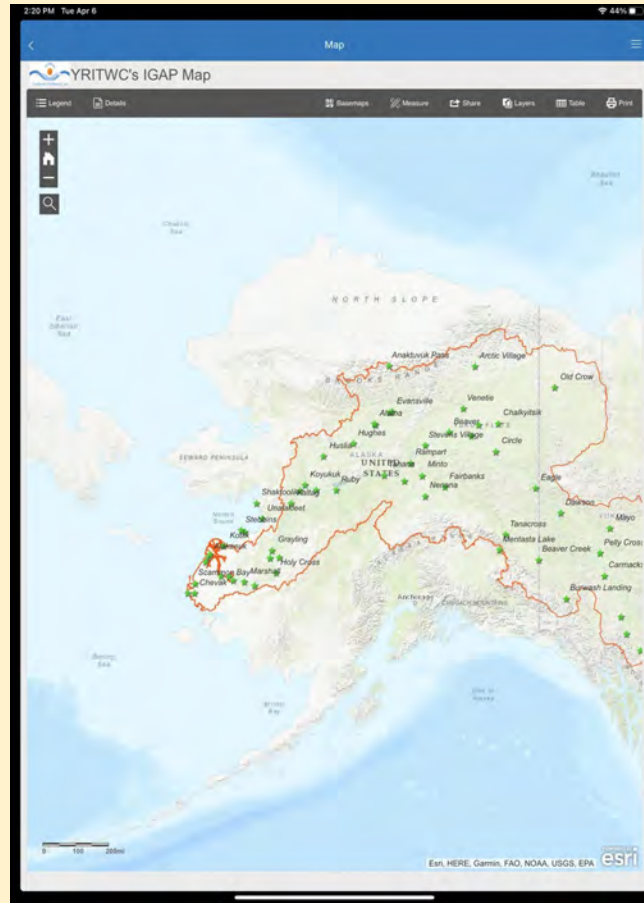
What service would you like to request? *

Please describe your request here.

Add a photo

Choose File no file selected


THE YRITWC BROWNFIELD APP Map



BROWNFIELD LEADERSHIP GROUP

Brownfield Leader in the Community

- Monthly meeting
- Training
- Conferences



The image shows a printed application form for the YRITWC Brownfield Leadership Working Group. At the top, there is a logo with the text "ONE PEOPLE-ONE RIVER" and "YUKON RIVER INTER-TERRITORIAL WATERWAYS-CANALS". To the right of the logo, contact information for the YRITWC is listed: "YRITWC CHAIRMAN: David L. Smith, 2021-2022", "ADDRESS: 1111 1st St., Fairbanks, AK 99701", "PHONE: (907) 457-1111", "FAX: (907) 457-1111", "EMAIL: dsmith@yritwc.org", "WEBSITE: www.yritwc.org". Below the logo, the title "YRITWC Brownfield Leadership Working Group Application" is printed. The form includes a definition of a brownfield, a thank you message, and instructions for submission. The application form is divided into two main sections: "Basic Information" and "Brownfields Information". The "Basic Information" section includes fields for Name, Title, Organization, Address, City, State, Zip, Phone/Fax, and Today's Date. The "Brownfields Information" section includes two numbered questions with sub-questions and checkboxes for YES, NO, and UNKNOWN.

YRITWC Brownfield Leadership Working Group Application

Brownfield: "A brownfield is a property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant (EPA, 2010)."

Thank you for your interest in the Brownfields Leadership Working Group. This group is focused on pushing brownfields sites to the reuse phase. Through capacity building, we will establish a vision for your communities' brownfields sites to develop the skills to get the site closer to its end goal: reuse.

Please email or fax or make a picture or email this application upon completion to Birgit Hagedorn at 907-258-3339 (fax), 9073515362 (picture) or bhagedorn@yritwc.org. Deadline to apply is March 1, 2021.

Basic Information Today's Date: _____

Name: _____

Title: _____ Organization: _____

Address, City, State, Zip: _____

Phone/Fax: _____

If currently employed, how long have you been at your job? _____

Brownfields Information

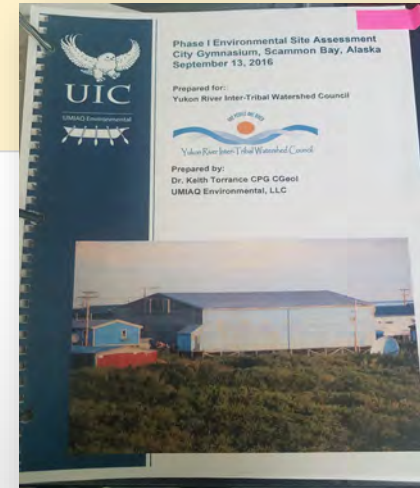
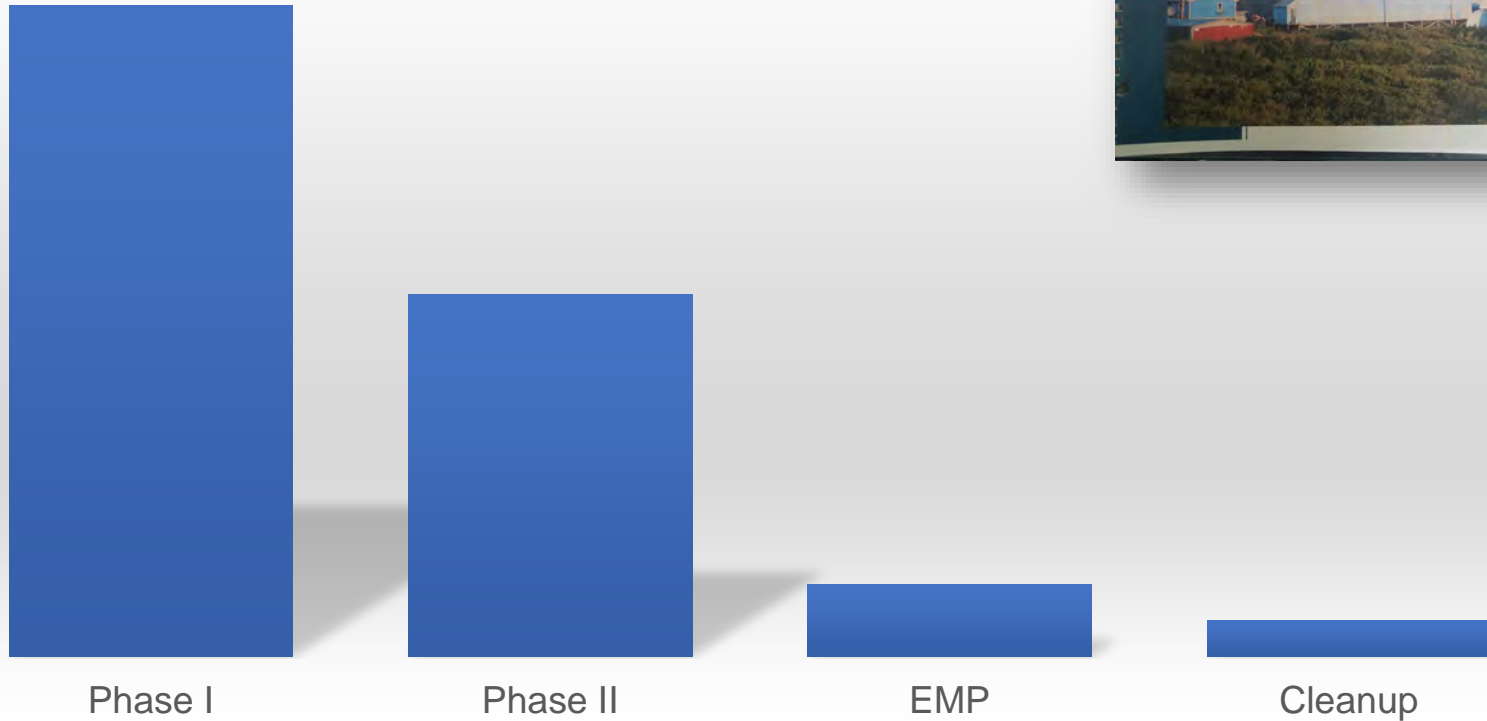
1. Do you have any experience working with the EPA Brownfields Program? YES NO
a. If yes, elaborate on your experience: _____

2. Does your community have any brownfields sites? YES NO UNKNOWN
a. If yes, which ones? _____

b. If yes, which one(s) do you see as the biggest threat your community and why? _____

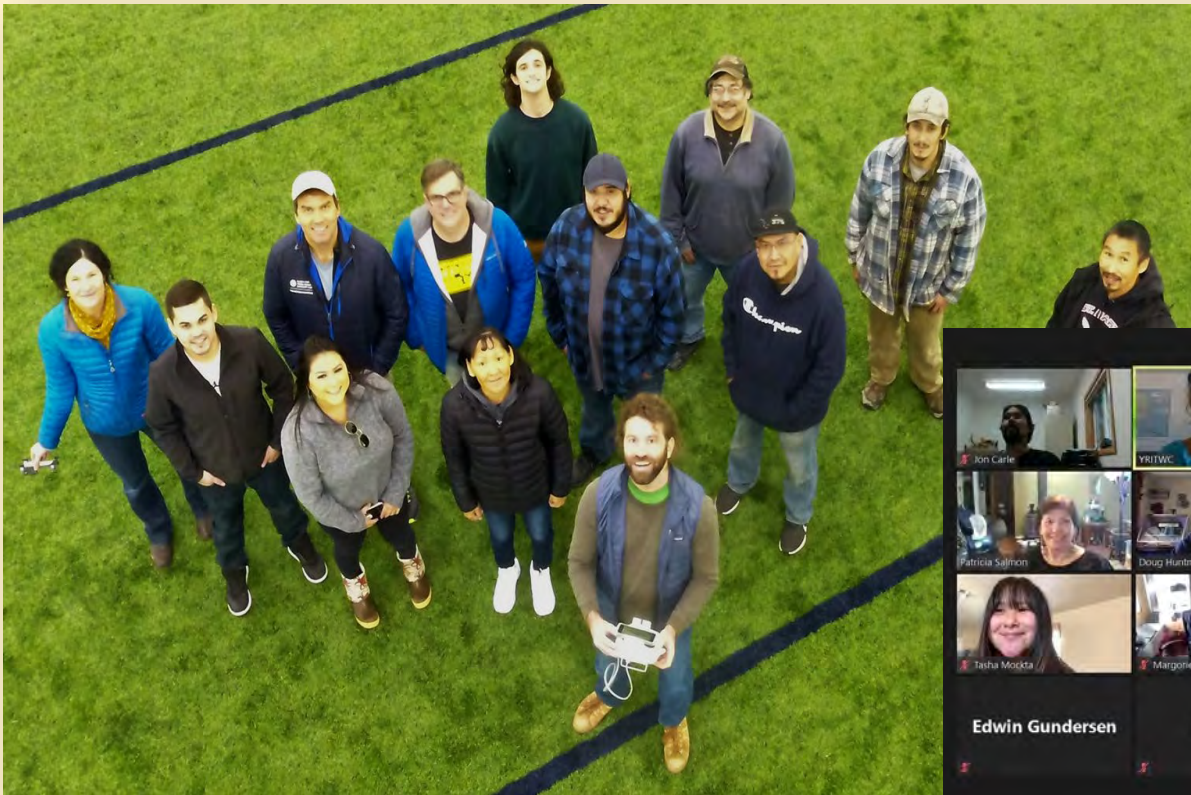
ASSESSMENTS & CLEANUP

Assessments

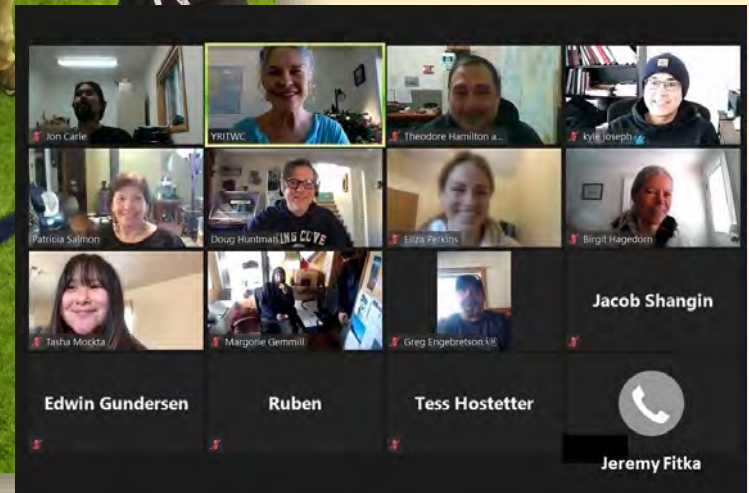


TRAINING TETs

Annual UAS (Drone) Training



In Person
& Online



TRAINING TETs

Qualified Environmental Sampler



TRAINING TETs

- Asbestos Building Inspector
- HAZWOPER
- Water Quality
- UAS (drone) Pilot



Chevak - Old School Building



Chevak School Building was one of our success stories, burned down this winter

GOAL



Focus Brownfields and Erosion

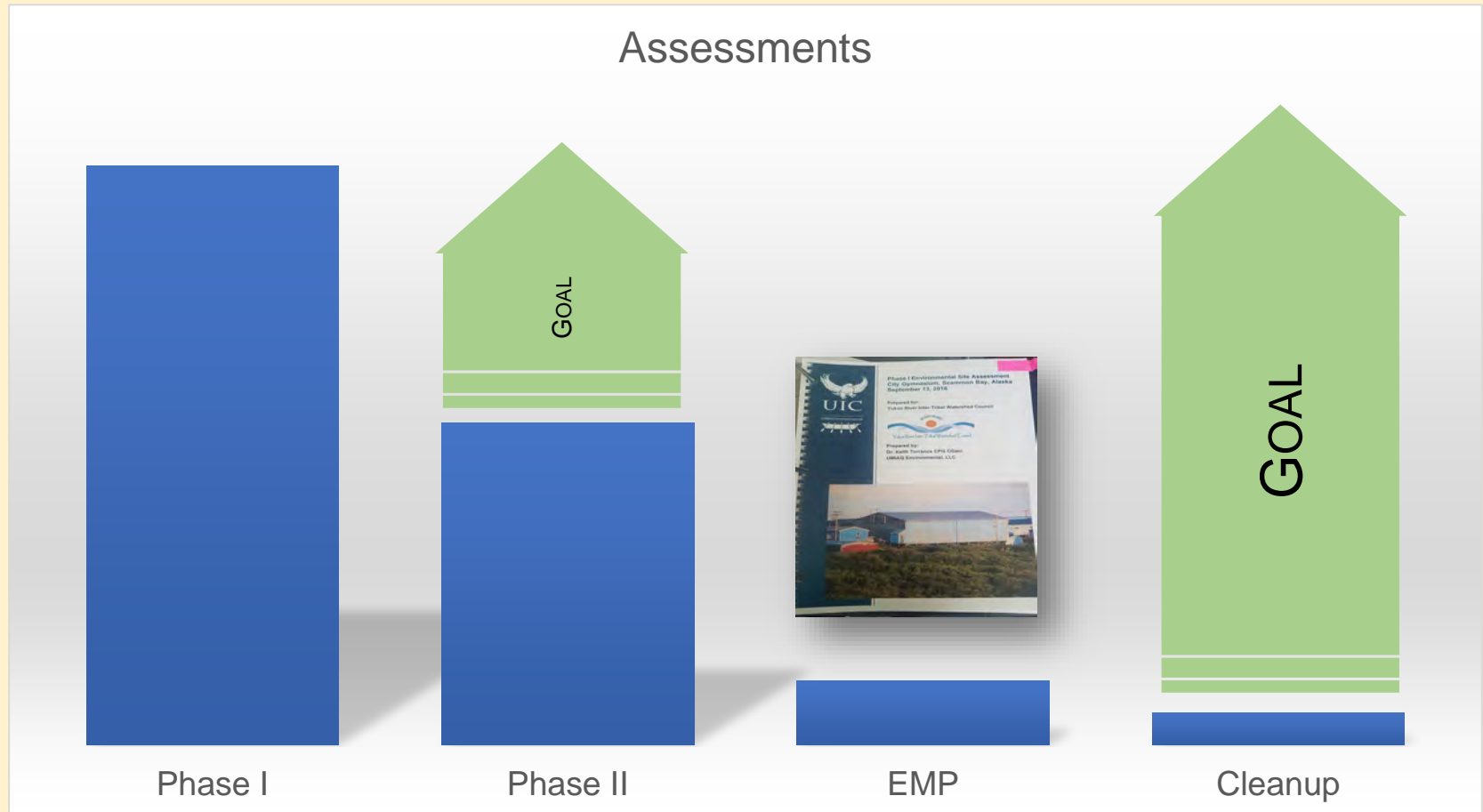
GOAL

FOCUS ON BROWNFIELDS & MINES



GOAL

INCREASE PHASE II & CLEANUP



GOALS

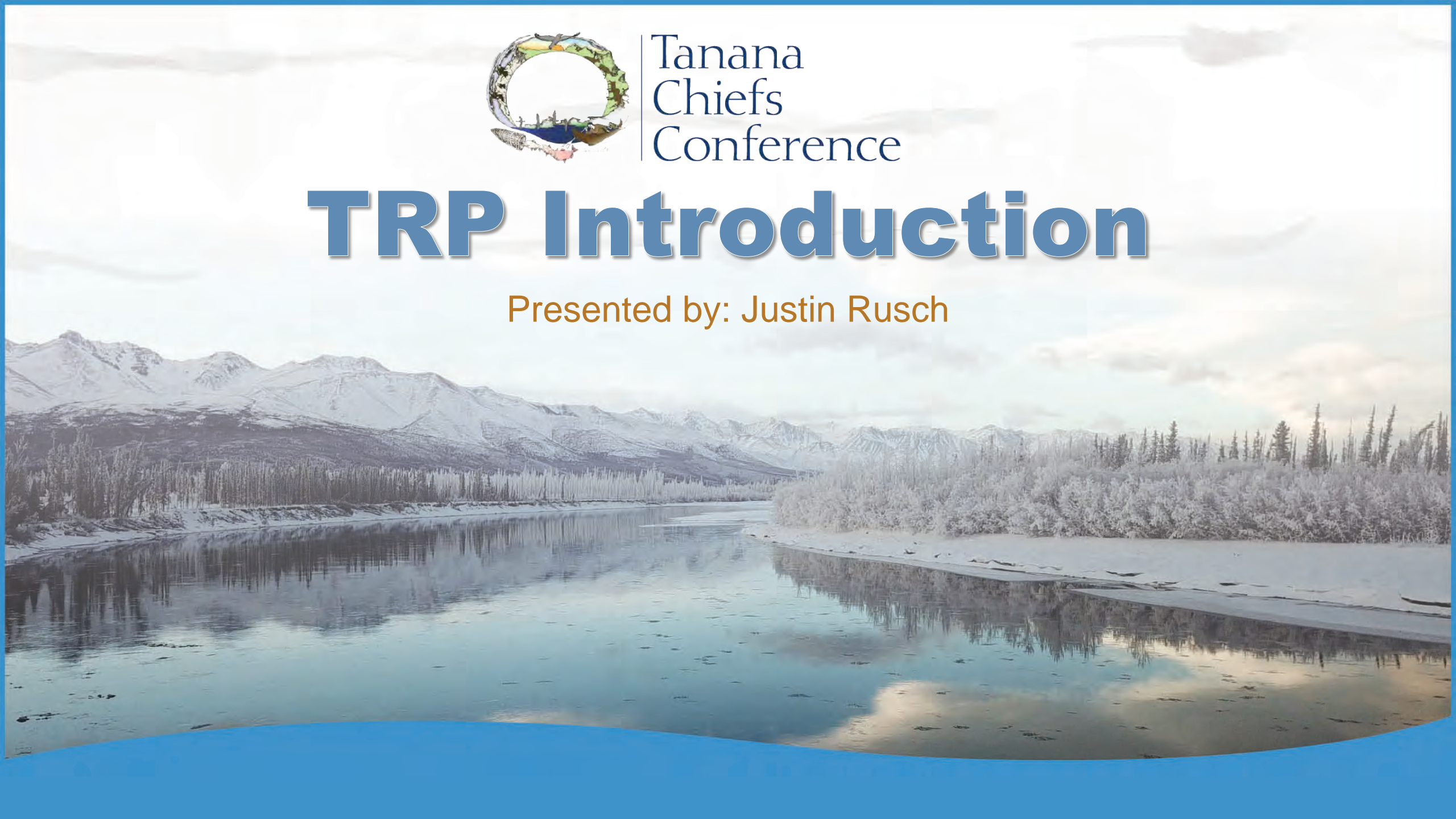
- Brownfield to Greenfield
 - Information - Training - Funding
 - Solar, Wind, Anaerobic Digester
 - Greenhouses, Hydroponic systems....
- Workforce development
 - Establish Database of trained individuals
 - Environmental Sampler – Training what comes after?
 - Apprenticeship – Internship Program with Industry Focus



Tanana
Chiefs
Conference

TRP Introduction

Presented by: Justin Rusch



TRP Coordinator

- Justin Rusch, REHS
- BS and MS in Environmental and Occupational Health from California State University, Northridge



TRP Coordinator

- Moved from Southern California to Fairbanks in January 2020
- Works half-time as TRP Coordinator, half-time as Environmental Health Specialist

Environmental Health

- “Environmental health is concerned with all aspects of the natural and built environment that may affect human health. The Office of Environmental Health (OEH) program is part of TCC’s Health Services Department. We provide both routine and project-related services in the TCC villages; other services are provided at a village’s request.”

TRP Program

- Tanana Chiefs Conference (TCC)
- TRP falls under the Office of Environmental Health (OEH)
- OEH provides services for: safe drinking water, institutional environmental health, rabies vaccinations, bedbugs, emergency management, training, solid waste management, and brownfields

TRP Program

- TCC is based in Fairbanks
- Serves 39 communities
- 375 contaminated sites in the region
- 29 villages with contaminated sites

TRP Program

- Program has been around since 2014
- During most of that time, we had a full time TRP Tech
- TRP Tech reported to a part-time TRP Coordinator

TRP Program

- There were difficulties hiring a new Tech after the previous one left TCC
- TCC OEH restructured the TRP program, eliminating the Tech position and only having a TRP Coordinator working part-time
- As a result, my first task after being hired was restructuring our work plan, which included getting an extension for the FY2019 award

What makes us unique?

- TCC TRP does not work directly with identifying and cleaning brownfield sites in our region
- TCC TRP provides guidance to our communities on how to handle a potential brownfield site
 - Funding application assistance
 - DBAC, EPA 104(k), etc.
 - Community outreach
 - Public record

Challenges

- I've had three main challenges since starting:
 - 1) The TRP Tech position had been vacant for almost a year when I started. The previous TRP Coordinator left right before I started
 - Remaining OEH staff knew about TRP, but had limited knowledge on how the program worked or the grant's funding
 - I had to learn all this while also restructuring our work plan

Challenges

2) Restructuring the grant

- I'd never worked with Brownfields or EPA grants before
- Had to learn both what the grant covered and how to restructure and extend it. One issue in particular was restructuring the budget

Challenges

2) Restructuring the grant (cont.)

- The existing budget covered the salary and benefits for a full-time TRP Tech
- New budget had to cover only half of the salary and benefits for a half-time TRP Coordinator

Challenges

3) Lack of travel and outreach

- Our budget allows for village trips to meet with community members about their brownfields concerns

- Due to COVID-19, I haven't been able to travel and provide the level of outreach I'd like

Challenges

3) Lack of travel and outreach (cont.)

- To make up for this, I've been sending out emails with TRP Program information, but emails do not generate the same interest as an in-person meeting

Challenges

3) Lack of travel and outreach (cont.)

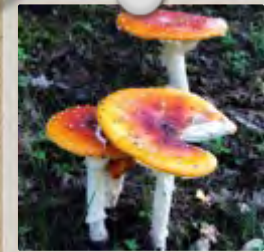
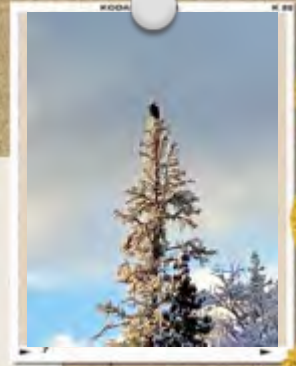
- To partially make up for this, when the work plan was rewritten, some of the funding went to spill response kits to be distributed to the communities' IGAP coordinators
- By offering the spill response kits, its been a good way to also bring up other Brownfield topics

Conclusion

I look forward to working with this program and trying to get these sites cleanup up to protect the health of our tribes.

PANTONE 108 C

CVTC TRP Sutton/Chickaloon, Alaska



Ughelidzaen! (Greetings!)

Nts'e doht'ae?

(How are you?)

Richard Chiolero s'uze' dilaen.

(My name is Richard Chiolero.)

C'etsiy tnaey e'laen.

(I am of the Iron Workers clan.)

Sacramento Kayax ts'iinsyaa den.

(I am from Sacramento.)

Nuutah izdaa k'adii.

(Now I live in Palmer.)

Nay'dini'aa' Na' Kayax gha hwghezna.

(I work for Chickaloon Native Village.)



Railroads & Coal Mining

Chickaloon Coal Fields
(1918)



c'etsiy tn'aey =
"iron workers" =
railroad people



Railroad in Chickaloon
(1923)



She Straddled Two Worlds

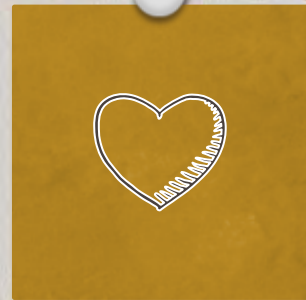


Katherine Wade

Our Clan Grandmother was raised in the traditional Ahtna style alongside influences from the rail and coal industries.

As the founder of Ya Ne Dah Ah school she worked her hardest to preserve Ahtna ways and is the foundation for everything we do for the Tribe.

She was the last fluent speaker of the Western Ahtna dialect.



Bestl'ets King Mountain



"Black Rock" Mountain
in Ahtna is on one side
of the Matanuska River.

HnuCh'k'e'ih̓t / Castle Mountain



“Now We Do Work”
Mountain in Ahtna
is on the other side
of the Matanuska River.

Ts'tonhrá Matanuska River



Chickaloon is in between the two mountains near the river.
This is a panoramic view of Traditional Ahtna territory on the

Best'ets side of the river.



Nay'dini'aa Na'ayax



Our Tribal Response Program Area

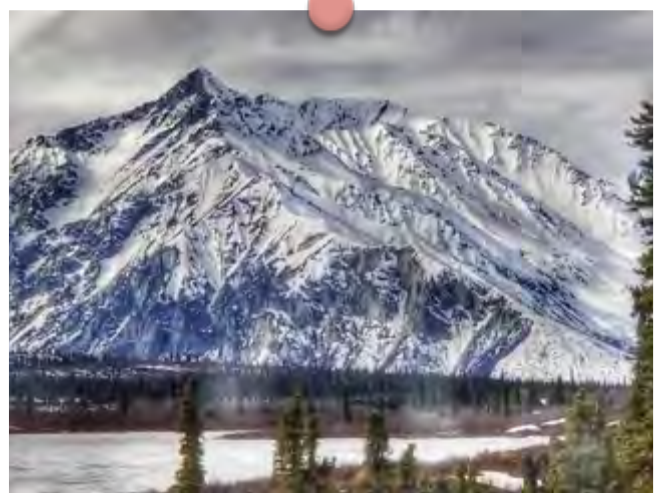
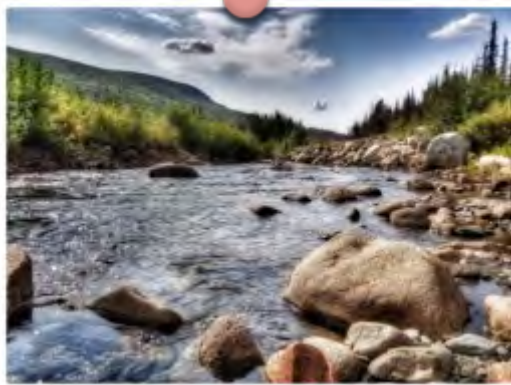
“The Chickaloon Native Village Tribal Response Program area includes the cities of Palmer, Wasilla, and Houston.

We are between two TRP areas: the Native Village of Gakona (North) and the Native Village of Eklutna (South).”



Ugheli Dzaen Kulaen

(It's a nice day.)



Some Stats

2016

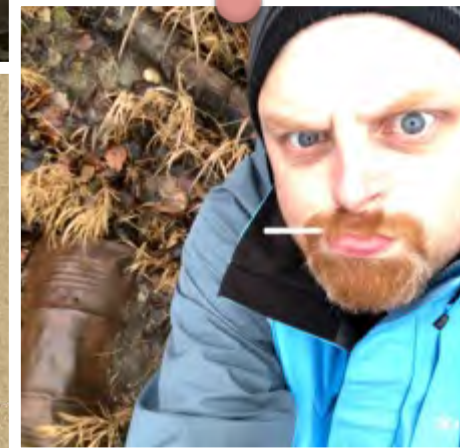
The year CVTC
started their TRP

Denci'Wk'ed(14)

The number of
communities we
monitor

Nadaegg(2)

Years that Richard
has been the
TRP Coordinator



Mission Statement



"We apply Traditional
Knowledge and modern
science to promote the
health of living things and
their environments within
the Chickaloon Village
Traditional Territory."

Chickaloon Village Traditional Council
Environmental Stewardship Department



Our Vision



“We envision a future with functioning ecosystems, flourishing fish and wildlife populations and a healthy, prosperous community.”



Chickaloon Village Traditional Council
Environmental Stewardship Department

The CVTC Tribal Response Program

"The TRP is meant to provide resources and increase the ability to address brownfield sites.

Through this program we hope to provide not only information about current brownfield sites, but also education about the prevention of future contaminated sites."



Don't worry:
It turned out
to be iron
bacteria.

The CVTC Tribal Response Program and Public Record can be found here:
[https:// www.chickaloon -nsn.gov/tribal -response -program/](https://www.chickaloon-nsn.gov/tribal-response-program/)

I developed this flyer as part of my community outreach efforts.

I have found that people learn about brownfields and get very excited to tell me about everything they see except actual brownfields.



These things
can turn into
brownfield
issues.

What are you reporting? →	Junk / Trash				Illegal Dump					Abandoned Vehicle							Chemical Spill																					
Whose land is it on? →	City			Borough	State	City			Borough	State	City			Borough	State			City			Borough	State																
		Palmer	Wasilla	Houston			Mat-Su Problem Reporter			Possible violation of statute/regulation; human health or environment in danger			Palmer	Wasilla	Houston			Mat-Su Problem Reporter			possible violation of statute/regulation; human health or environment in danger			Palmer	Wasilla	Houston			Spill Response			Spill Response			Possible violation of statute/regulation; human health or environment in danger			Spill in the workplace
Go to the corresponding letter below to find the correct contact information for reporting. →	A	B	C	D	E	A	B	C	D	E	A	B	C	F	G	D	24 hours	48 hours	30 days	If you or others are in immediate danger: call 9-1-1																		
																	G	G	G	If you are unsure of your reporting duties, call the National Response Center (NRC): 1.800.424.8802																		
																				H	H	H		H	H	E	I											

A
Code Violation Involving Property Complaint Form
www.palmerak.org/applications-forms
Code Compliance Technician:
Kimberly McClure
907.761.1306
(email) kmcclure@palmerak.org

B
Code Compliance Complaint
www.cityofwasilla.com > Departments >
Police > Police Department Forms
(direct link) <https://tinyurl.com/v53mucig>
Wasilla Police Department
907.352.5401

C
Public Comment/Complaint Fillable Form
www.houstonak.com > Forms
(direct link) <https://tinyurl.com/v2ghgequ>
City Clerk:
Sonya Dukes
907.892.6869
(email) sdukes@houston-ak.gov

D
Mat-Su Problem Reporter
(direct link) <https://tinyurl.com/v2yk7ghq>
Road Complaint Hotline:
907.861.7755

E
Alaska Department of Environmental Conservation (ADEC)
Environmental Crimes Unit (ECU)
(direct link) <http://dec.alaska.gov/applications/das/ecu>
Chief Investigator:
Travis Williamson
907.269.7567
(email) travis.williamson@alaska.gov

F Right of Way Complaint Form
<https://tinurl.com/v6kch5zb> (click link on page for form)
 MSB Code Compliance
 907.861.7822
 (email) ecb@matsugov.us
 Road Complaint Hotline:
 907.861.7755

G
Department of Transportation (DOT)
<http://doa.alaska.gov/dmv/titles/abandon.htm>
907.745.2159

H
Alaska Department of Environmental Conservation (ADEC)
Report Oil and Hazardous Substances Spills
Region: Central Alaska
907.269.3063; after hours: 1.800.478.9300
ADEC Spill Response Website:
<https://dec.alaska.gov/spar/ppr/spill-information/reporting>
ADEC Reporting Times:

Immediately: any spill to water; 55 gal or more on land
48 Hours: more than 10 gal, less than 55 gal; or as soon as someone knows about spill
1 Month: more than 1 gal; less than 10 gal

I
Alaska Occupational Safety and Health (AKOSH)
<https://labor.alaska.gov/lss/oshhome.htm>
800.770.4940

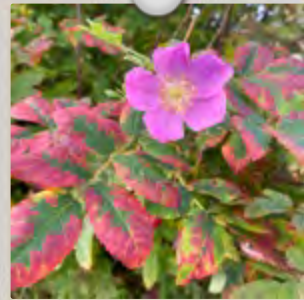
Last Updated: 24 June 2019
Corrections? Turn to the back
page for contact information.

Learning Opportunities

Areas for improvement:

- ✗ Finding Outreach Opportunities
- ✗ Brownfields on Private Property
- ✗ Meaningful Community Engagement

I really want to improve all of these areas!
(Please feel free to contact me with ideas.)



When I'm not hunting for brownfields...



Amos



Crash



The Butte, Palmer, AK.

..I.'m probably looking for a dog to pet.

Water & Soil Sampling/Monitoring



Contact Information

Tsin'aen

Thank you for watching this presentation!

If you would like to learn more about the CVTC
Tribal Response Program, please reach out to:

Richard Chiolero

Email: [rechiolero@ chickaloon -nsn.gov](mailto:rechiolero@chickaloon-nsn.gov)

Website: [Chickaloon -nsn.gov](http://Chickaloon-nsn.gov)

Credits

Special thanks to all the people who made and released these awesome resources for free:

- ✗ Presentation template by [SlidesCarnival](#)
- ✗ Photographs by Richard Chiolero, Selena Ortega-Chiolero, CVTC Permanent Collections & Alaska Digital Archives



Shout-outs

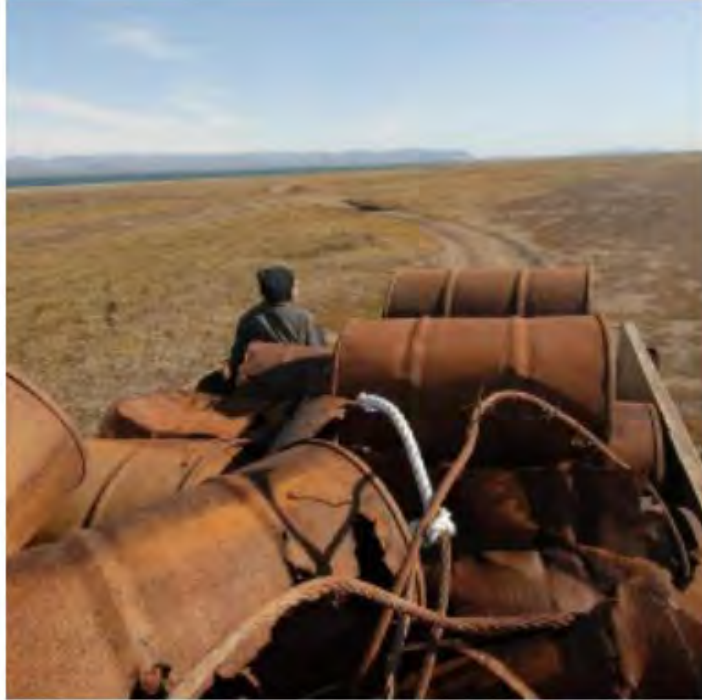












Brownfields/Tribal Response Program

[FAQs](#)

[Public Record](#)

[Resources](#)

[TRP Webinar and
Training
Recordings](#)

Resources

- [DEC Contaminated Sites Database](#)
- [DEC Spills Database](#)
- [Archived ATCEM Presentations](#)
- [Brownfields Eligibility Tool](#)

[ITEP Online Brownfields Trainings](#)

(Recommended: Introduction to Brownfields and Brownfields Tribal Response Program Fundamentals)

TRP Training Modules from Kansas State University TAB:

[TRP 128\(a\) Training Tiers I and II Introduction and Overview](#)

Tier I (Alaska-specific):

- [Purpose and Scope](#)



814 views



[SHARE](#) [EDIT](#)



Open



• All items



Cleanup Complete



• All items



Cleanup Complete - Institutional Cont...



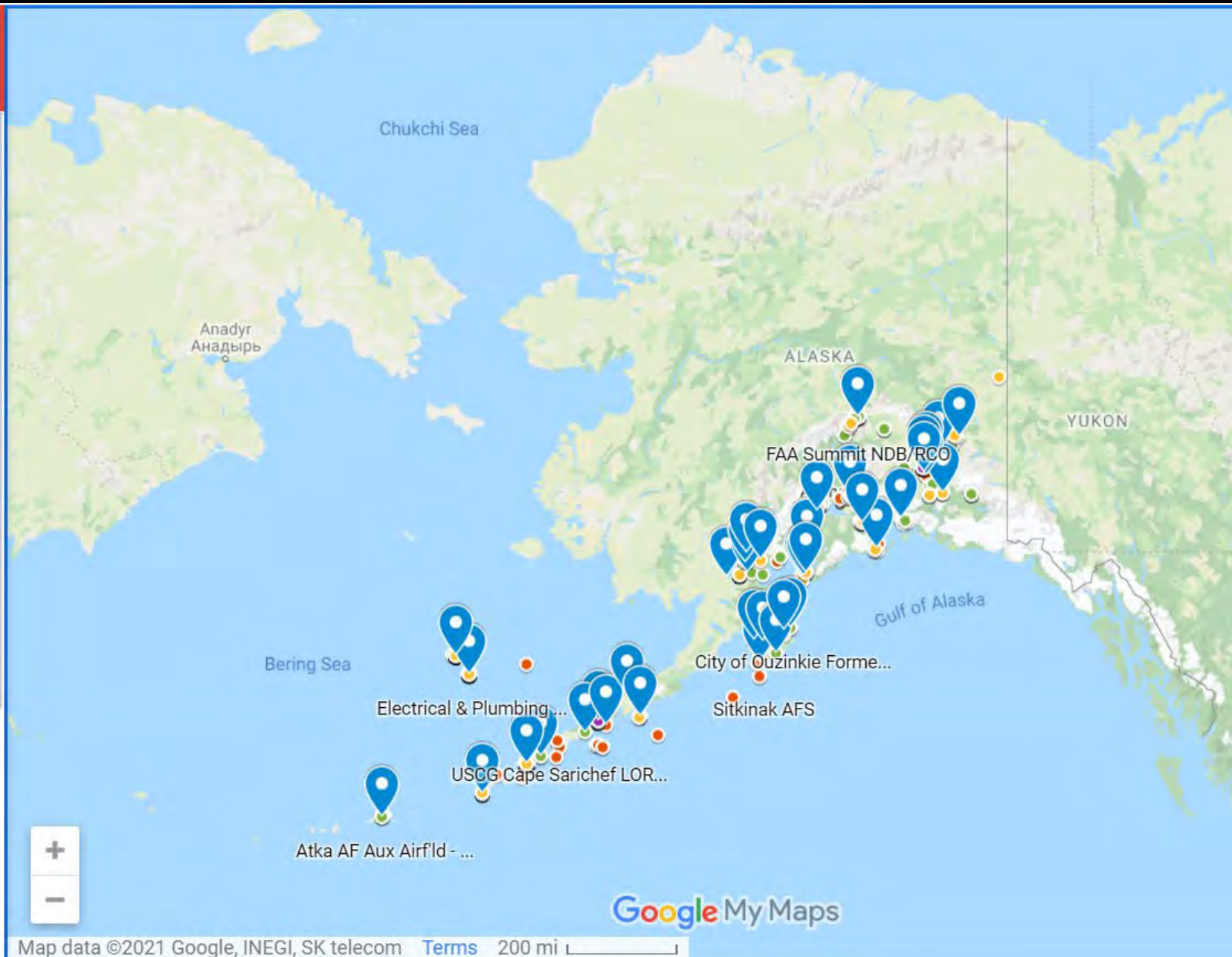
• All items



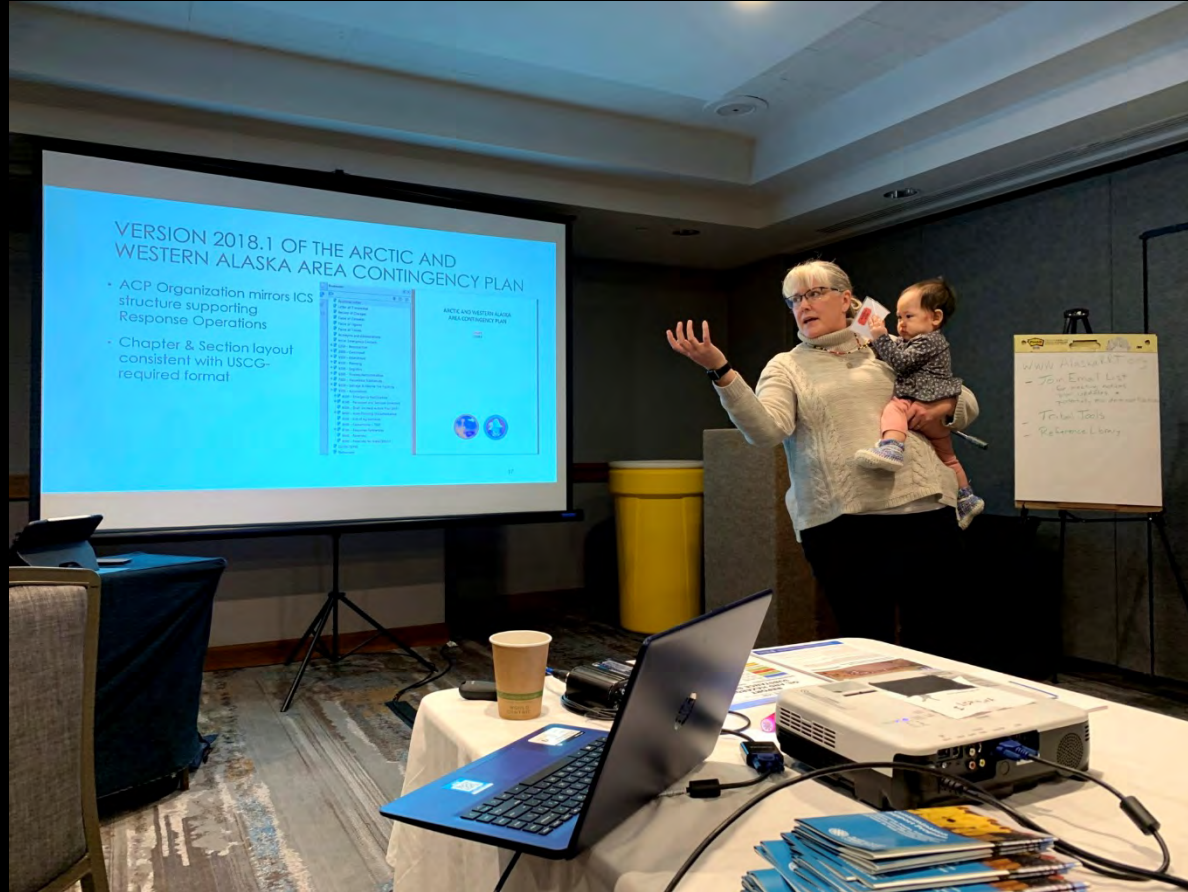
Informational

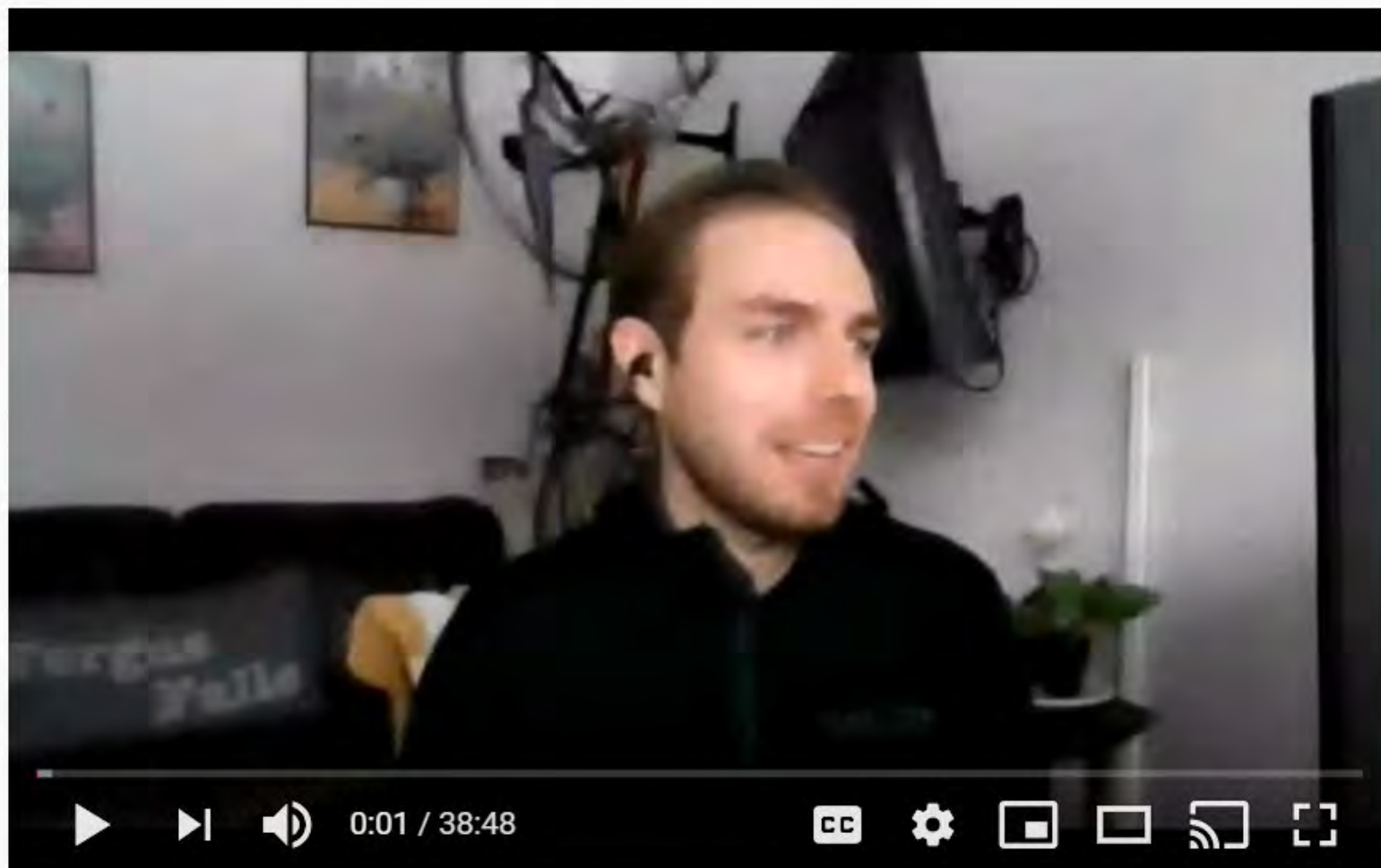


• All items









TRP Webinar-Writing Success Stories 2 22 21

Unlisted

1 view • Mar 23, 2021



1



0



SHARE



SAVE





Introducing the



Tribal Brownfields Forum

The Tribal Brownfields Forum is an online platform for connecting brownfields and contaminated-sites staff and professionals from Tribal areas.

[Get involved](#)[Learn more >](#)

Information shared in this forum is for general peer learning and professional development purposes. Please consult the annual U.S. EPA guidance "[Funding Guidance for State and Tribal Response Programs](#)" and check with your EPA Project Officer when using information for specific application to Tribal Response Program 128(a) grant activities.



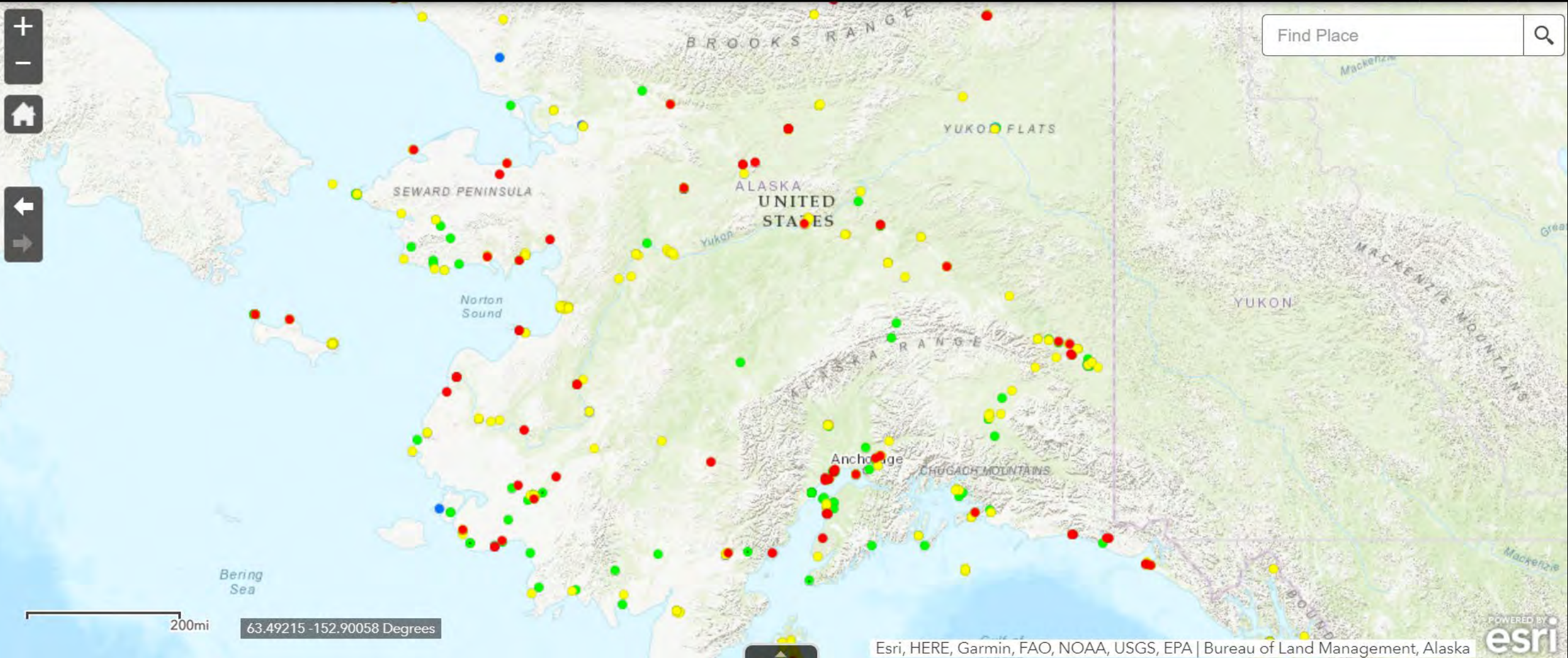


Contaminated Lands Inventory on ANCSA Conveyed Lands

(As of June, 2019)



Find Place



200mi

63.49215 -152.90058 Degrees

Esri, HERE, Garmin, FAO, NOAA, USGS, EPA | Bureau of Land Management, Alaska

POWERED BY
esri





Section 1: Getting Started

Thanks for joining us here at the Gold Seal UAV Ground School. In this section you'll learn the basic information needed to get started. Watch the first lesson entitled "Introduction" before viewing the others. It explains exactly how the Gold Seal Online Ground School works. The remaining lessons in this section cover fundamentals that you will use on every flight.

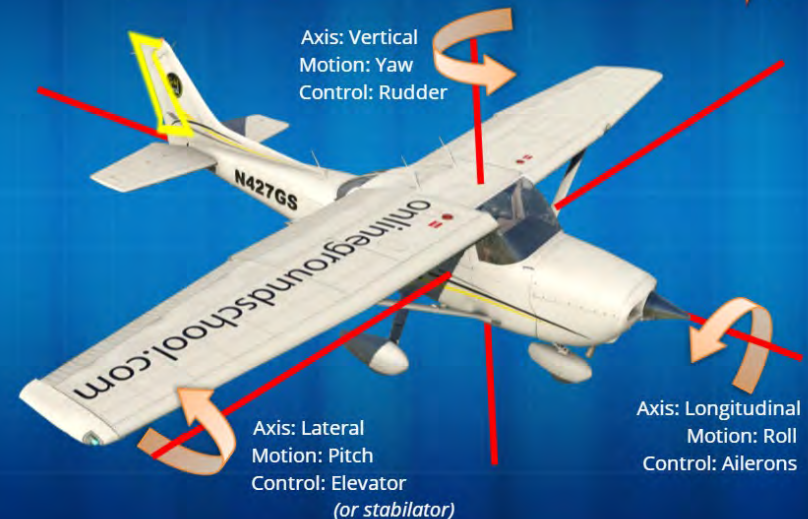
The Gold Seal Ground School is Taught by Professional FAA Certificated Flight Instructors.

[Back to Main Menu](#)[Previous Section](#)[Next Section](#)

Lesson Modules - Select One Below

- ☒ ☐ Introduction - Watch this first!
- ☒ ☐ Becoming a Remote Pilot
- ☒ ☐ Fundamentals of Aerodynamics
- ☒ ☐ Aeromedical Factors
- ☒ ☐ Phonetic Alphabet
- ☒ ☐ Zulu Time Explained
- ☒ ☐ UAS Battery Technology

Three Axes of Control



CSP

YOUTH ENVIRONMENTAL ACTIVITY HANDBOOK

Tips and Tricks

There are different techniques that you can incorporate throughout an activity, which can relax and center the group. It is important to consider the culture of the group you are working with because it may not be appropriate for you to speak out for example, since it may be acceptable for participants to do so.



CLIMATE CHANGE



Know Your Greenhouse Gases (Edible Molecules)

AGE:
Middle or Old

TIME:
20-30 Minutes

OBJECTIVE:

To learn about the different greenhouse gases and their availability.

MATERIALS:

- Toothpick or cocktail stick
- Gummy candies or gummy worms of 2 different colors

ACTIVITY PROCEDURE:

Assign a gummy candy to each of the following gases.

- C – Carbon
- H – Hydrogen
- Cl – Chlorine
- O – Oxygen
- N – Nitrogen

Build your greenhouse gas models using the corresponding gummy candy and the toothpicks or cocktail sticks. Feel free to use natural plastic materials if you like.

Review each greenhouse gas separately and talk it with other visually-graphic, etc. Then review how to reduce greenhouse gases. The students can then eat their models after.

EVALUATION: Attendance Sheet, Observation Sheet or

DISCUSSION QUESTIONS:

- Why do you think one gas is more well known than the other?
- Which gas do you think is most abundant and why?
- How can we reduce these gases?
- Are greenhouse gases a bad thing?

REFERENCE: <https://www.youthenviropers.com/learning/greenhouse-gases/>

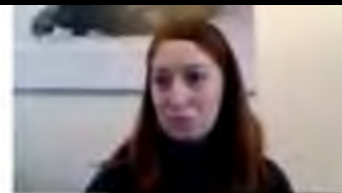




Introduction to Spill Response Kits



Bailey Richards, Program Coordinator
Contamination Support Program, ANTHC

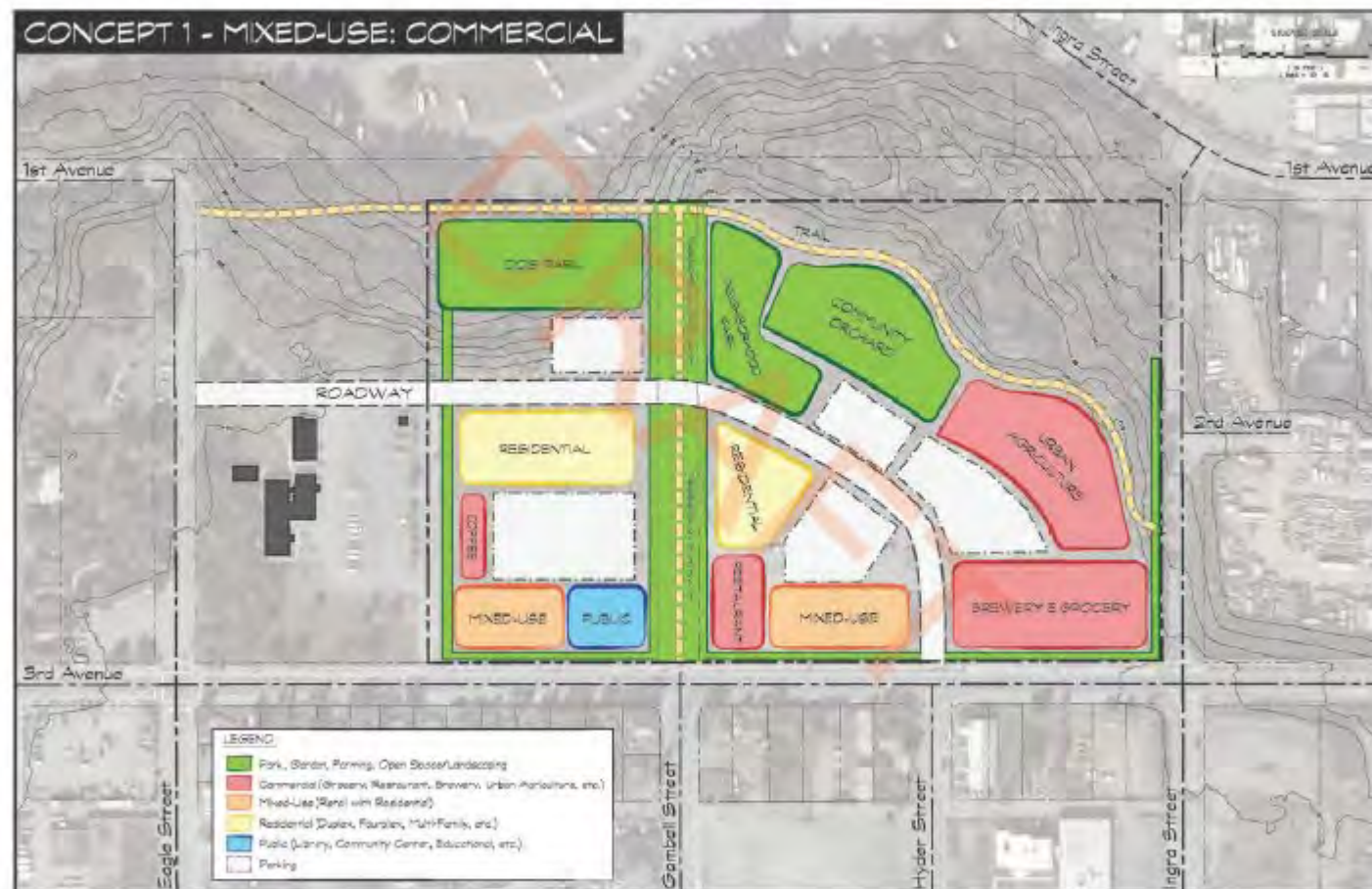


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ALASKA NATIVE
TRIBAL HEALTH
CONSORTIUM









Central Council Tlingit & Haida Indian Tribes of Alaska (CCTHITA)

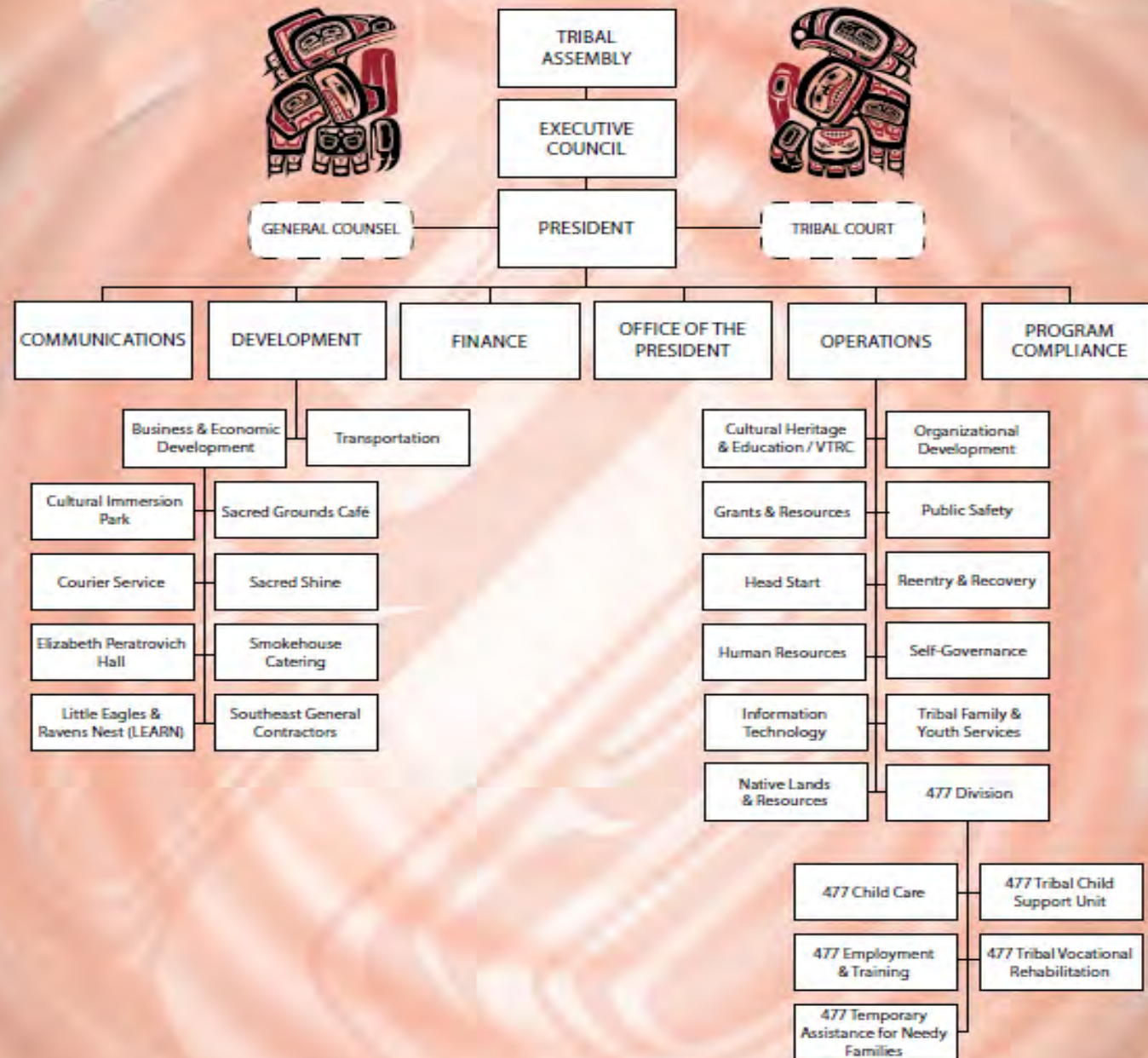
State and Tribal Response Program

Native Lands & Resources

Meet Our Team:

- Desiree Duncan *Native Lands Manager*
- Raymond Paddock *Environmental Coordinator*
- Cer Scott *Environmental Specialist*
- Lindsey Pierce *Environmental Specialist*
- Kenneth Weitzel *Natural Resource Specialist*
- Harold Jacobs *Cultural Resource Specialist*
- Irene Lampe *Realty Specialist*
- Darrell Brown *Veterans Specialist*
- Marco Banda *Regional Resource Specialist*
- Dominique Stitt *Administrative Clerk*

CENTRAL COUNCIL TLINGIT & HAIDA INDIAN TRIBES OF ALASKA



State and Tribal Response Program (STRP)

- **Juneau, Alaska**
- **Service area over 18 communities across Southeast Alaska**
- **10+ years the STRP has been in operation with Tlingit & Haida**
- **5 years (my tenure) with the Tribal Response Program**

STRP Community Report Form



The State & Tribal Response Program (STRP) at Central Council Tlingit & Haida is designed to support and provide Southeast Alaska Tribes the funding to identify, assess, inventory and develop a response plan for potentially contaminated sites (abandoned structures, land, water, traditional subsistence areas, etc.). This response plan is then utilized through the 'Brownfield' process to clean-up the hazardous substance, pollutant or contaminant for sustainable reuse, expansion and/or redevelopment. A Brownfield site is best interpreted as 'land recycling' but defined (US EPA) 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..."

In addition to supporting SE Alaska Tribes, our program objectives include establishing a brownfield inventory, maintaining a public record, ensuring the protection of the environment and human health, and providing meaningful opportunities for public participation. We are able to accomplish this through collaboration and coordination with the Southeast Alaska tribes, Environmental Professionals, Federal and State agencies (Alaska Department of Environmental Conservation, etc.), trainings, workshops and conferences. Our goals for the program are to continuously build, strengthen and support our objective areas – brownfield inventory, public record, environmental/human health and public participation.

Public Participation / Community Response

We now turn to you for input, information or support in locating any known unreported or suspected contaminated, hazardous, or polluted sites, structures, land and waterways in the area. On the reverse side is a fillable report form that allows us to collect and record community responses of such sites. Central Council fully recognizes the cultural sensitivity, connection, and belonging that's associated to traditional and/or cultural subsistence areas, and we ensure the utmost respect is taken throughout this process. Please fax, email, turn in at our office location or contact us at any time with questions or concerns.

Native Lands & Resources Department

9097 Glacier Highway
Juneau, AK 99801

Ray Paddock, Env. Coord.
rpaddock@ccthita-nsn.gov
(907) 463-7184

Cer Scott, Env. Specialist
cscott@ccthita-nsn.gov
(907) 463-7182

Lindsey Pierce, Env. Tech
lpierce@ccthita-nsn.gov
(907) 463-7188



CCTHITA

Central Council Tlingit & Haida Indian Tribes of Alaska

Hazardous / Pollutant / (Potentially) Contaminated Site Report Form

Name: (OK to be anonymous)	Preferred contact: (Phone/Email)	Date:

Site Location: Address / Abandoned Building / Traditional Subsistence Areas / etc.

Type / Source of Contaminate (if known): Asbestos, Oil Spill, Lead, etc.

Affected Area Size:	Resources Affected / Threatened: Water Source, Wildlife, Wells, etc.

Cause of Contamination: Accident, Human Factors, Structural / Mechanical, Other

Surface Type: River/Stream, Gravel, Asphalt, etc.	Estimation of Spilled Contaminants / Volume:

Comments:

Past Projects and Program Involvement

PHASE I ENVIRONMENTAL SITE ASSESSMENT 4400 AND 4402 THANE ROAD JUNEAU, ALASKA

MAY 10, 2015



Prepared for:

Central Council Tlingit and Haida Indian Tribes of Alaska
320 W Wiloughby Ave
Juneau, Alaska 99801

Prepared by:



Accounting Office
2400 College Road
Fairbanks, Alaska 99709
p. 907.452.5688
f. 907.452.5694

3105 Lakeshore Dr, Ste A106
Anchorage, Alaska 99517
p. 907.222.2445
f. 907.222.0915

Managing Office
5438 Shaune Dr, Ste B
Juneau, Alaska 99801
p. 907.588.8813
f. 907.588.8819



Tlingit & Haida Immersion Park

You've come all this way, immerse yourself in the land of our first people, walk among the Ravens, sing with the Eagles and experience what life is like harvesting and working Haa Aani (our land).

Central Council Tlingit and Haida Indian Tribes of Alaska
9097 Glacier Highway
Juneau, AK 99801
907-463-7177
Myrna Gardner, ICCM-F, GWCCM
Manager, Business and Economic Development

Program Highlights

- **Phase I & II Environmental Assessment at Cultural Immersion Park**
- **Responding to Local Contamination Concerns**
- **Southeast Environmental Conferences**
- **STRP Workshops / Sessions**

Program Pictures

**Responding to community (potential)
Contamination Report**



Program Pictures

**2017 Southeast Environmental Conference
Wrangell, Alaska
Nolan Center**



Program Pictures



**2019 Southeast Environmental Conference
Craig, Alaska
Craig Tribal Association**



Success Story

In response to COVID-19 we were able to host our 1st completely virtual Southeast Environmental Conference (SEC)

Challenges:

- **New Logistics**
- **Internet Access**
- **Coordinating times**
- **Learning new platform**

Successes:

- **Participants involved**
- **Accommodations**
- **Positive Feedback**
- **Resources / Presentations
shared through Dropbox link**

Our Mission and Goal

- The mission of Tlingit & Haida is to “preserve Tlingit and Haida sovereignty, enhance Tlingit and Haida economic and cultural resources, and promote self-sufficiency and self-governance for our citizens through collaboration, services, and advocacy.”
- Our goal with our State and Tribal Response Program is to generate public awareness through educating to identify potentially contaminated sites and/or human health concerns associated with Brownfields.

Gunalchéesh / Háw'aa / Thank you!!

Please feel free to contact us anytime

Cer Scott

cscott@ccthita-nsn.gov

(907) 463-7182

Raymond Paddock

rpaddock@ccthita-nsn.gov

(907) 463-7184

<http://www.ccthita.org/services/community/environmental/index.html>





Native Village of Eklutna

Brownfields Program (TRP)

We are a small office with only three employees:
Marc Lamoreaux, Carrie Ann Brophil, and Kyle
Robillard

Located in Eklutna, Alaska, our area encompasses
Anchorage and the Mat-Su Valley.



Marc Lamoreaux
marcl@eklutna.org



Carrie Ann Brophil
cbrophil@eklutna.org



Kyle Robillard
krobillard@eklutna.org

EPA Region 10 Brownfields

Alaska ST R P Workshop

April 14- 15, 2021



History of the EPA Brownfields Program

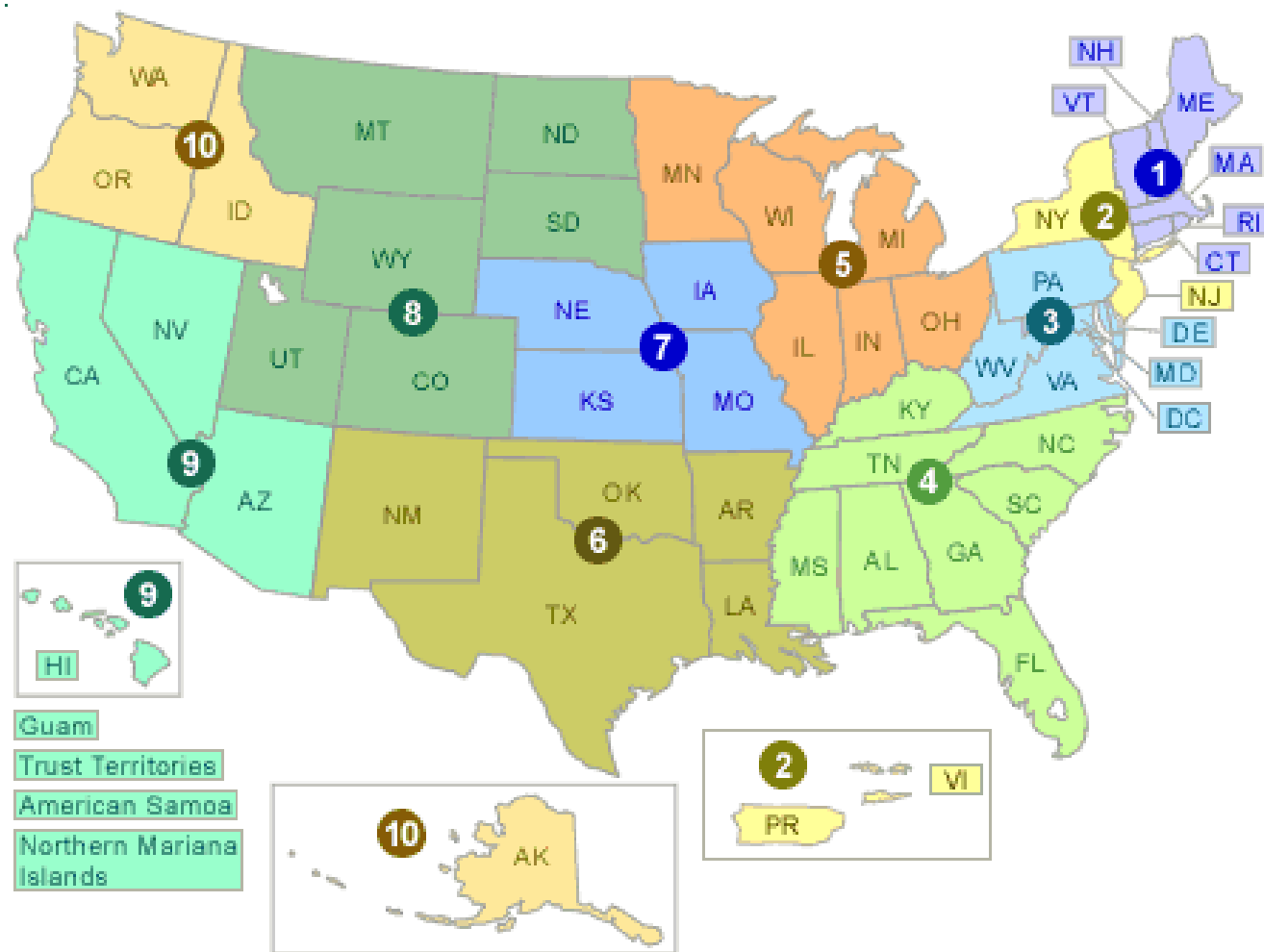


- Early 1990s - the U.S. Conference of Mayors pointed to brownfields as one of the most critical problems facing cities.
- January 1995 - EPA provided small amounts of seed money to local governments that launched hundreds of two-year Brownfields "pilot" projects
- 1996 - EPA signs a Memorandum of Understanding with the Dept. of Labor, focusing on job training and employment opportunities related to the Brownfields program for local youth and adults
- January 2002 - the Small Business Liability Relief and Brownfields Revitalization Act (the "Brownfields Law") is signed

Understanding EPA

Region 10 -

Serving Alaska, Idaho, Oregon,
Washington, and 271 Tribal Nations



How we fit into EPA and Region 10

Office of Land and
Emergency
Management (OLEM)

Office of Brownfields
and Land
Revitalization (OBLR)

Region 10
Brownfields Team



EPA Region 10

Land, Chemicals, and
Redevelopment
Division (LCARD)

Pollution Prevention
and Communities
Branch

Region 10
Brownfields Team



Region 10 Brownfields Team



Susan Morales

Terri Griffith

Angel Ip

Blair Kinser

Brandon Perkins

Madison Sanders-Curry

Bjorn Frogner (SEE - Admin)

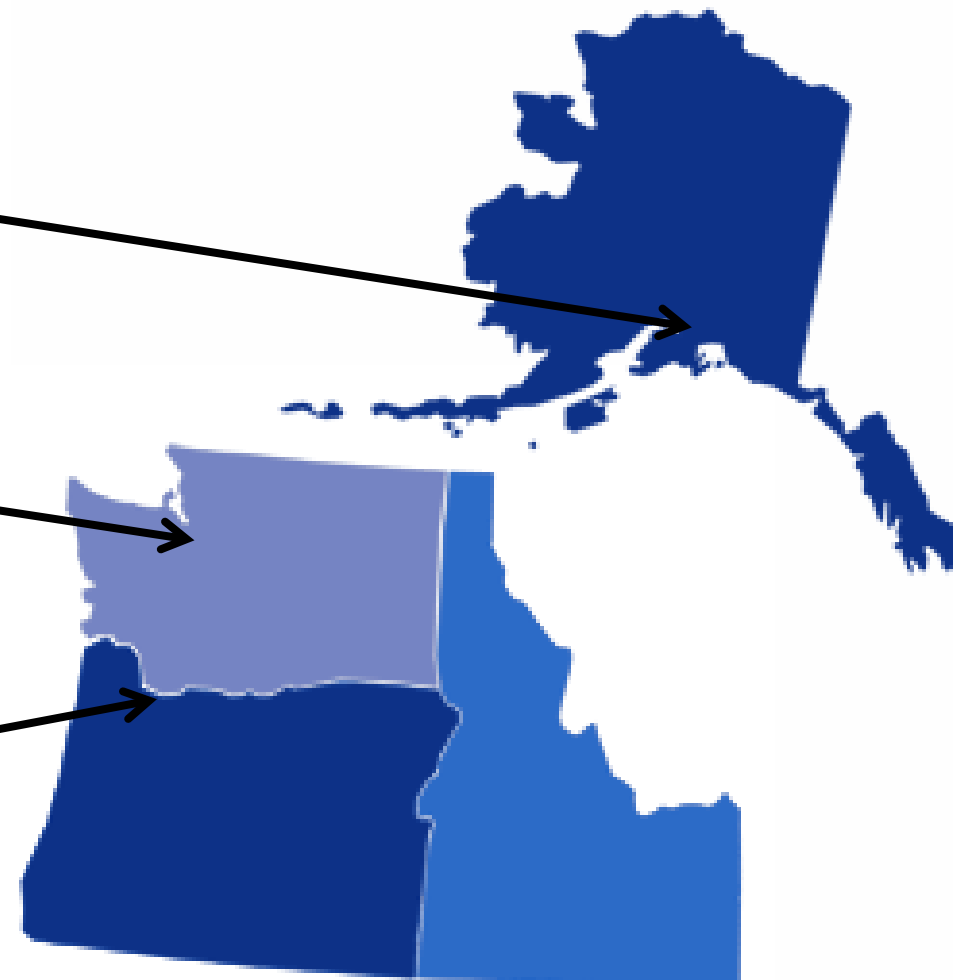
Chuck Penk (SEE - Admin)



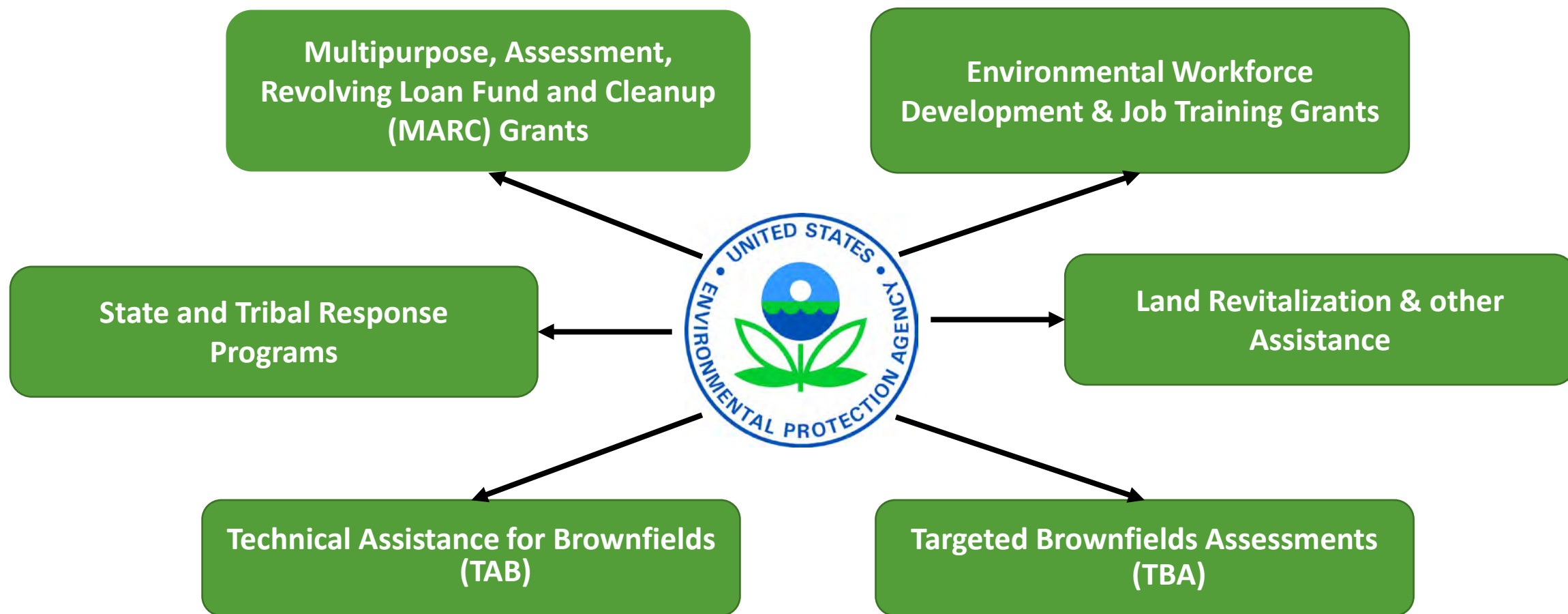
Molly Vaughan



Margaret Olson



EPA Brownfields Funding Opportunities



Brownfields

CONTACT US SHARE   

Land Revitalization

[Learn more about our Land Revitalization Tools!](#)



Land Revitalization TOOLKIT

1 2 3

Announcements

- [Recent news and events](#)
- [Join the Brownfields Listserv](#)
- [The Brownfields Broadcast Blog](#)



EPA's [Brownfields Program](#) provides grants and technical assistance to communities, states, tribes and others to assess, safely clean up and sustainably reuse contaminated properties. To learn about EPA's broader efforts to put previously contaminated properties back into productive use, read about our [Land Revitalization Program](#).

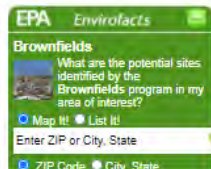
Basic Information

- [Overview](#)
- [Program Accomplishments](#)
- [Environmental and Economic Benefits](#)
- [Program History Timeline](#)
- [Frequently Asked Questions about the Brownfields Program](#)

Technical Assistance, Training

Grants




- [Types of Grant Funding](#)
- [Solicitations for Brownfield Grants](#)
- [Search for Grant Recipients](#)
- [Grant Recipient Reporting / ACRES](#)
- [Grant Recipient Success Stories](#)



Related Information

- [Superfund Hazardous Waste Cleanup](#)

Brownfields

CONTACT US SHARE   

[Brownfields Home](#)

[Overview](#)

[Program Accomplishments](#)

[Environmental and Economic Benefits](#)

[Types of Grant Funding](#)

[Solicitations for Brownfield Grants](#)

[Brownfields and Land Revitalization Activities Near You](#)

[Region 1](#)

[Region 2](#)

[Region 3](#)

[Region 4](#)

[Region 5](#)

[Region 6](#)

[Region 7](#)

[Region 8](#)

[Region 9](#)

[Region 10](#)

[Select Publications](#)

[Grant Recipient Success Stories](#)

[Grant Recipient Reporting using ACRES](#)

[Brownfields Broadcast](#)

Brownfields and Land Revitalization in Region 10

EPA Region 10 manages Brownfield programs in Washington, Idaho, Oregon and Alaska. On this page, you will find information specific to Region 10's Brownfields activities. Visit the national [Brownfields Program](#) web site for general information about the Brownfields Program and competitive grants

On this page:

- [State Cleanup Programs Within Region 10](#)
- [Brownfields Technical Assistance](#)
- [Materials for Brownfields Grants](#)
- [Stories from Around the Region](#)
- [Federally Recognized Tribes with 128\(a\) Programs](#)

State Cleanup Programs Within Region 10

The following links exit the site [EXIT](#)



- [Alaska Dept. of Environmental Conservation](#)
- [Idaho Dept. of Environmental Quality](#)
- [Oregon Dept. of Environmental Quality](#)

Contact Region 10

[Susan Morales](#)
(morales.susan@epa.gov)
(206) 553-7299
Region 10
Brownfields
Coordinator

[Other Region 10 Contacts](#)

News and Events

[Brownfields Newsroom](#)

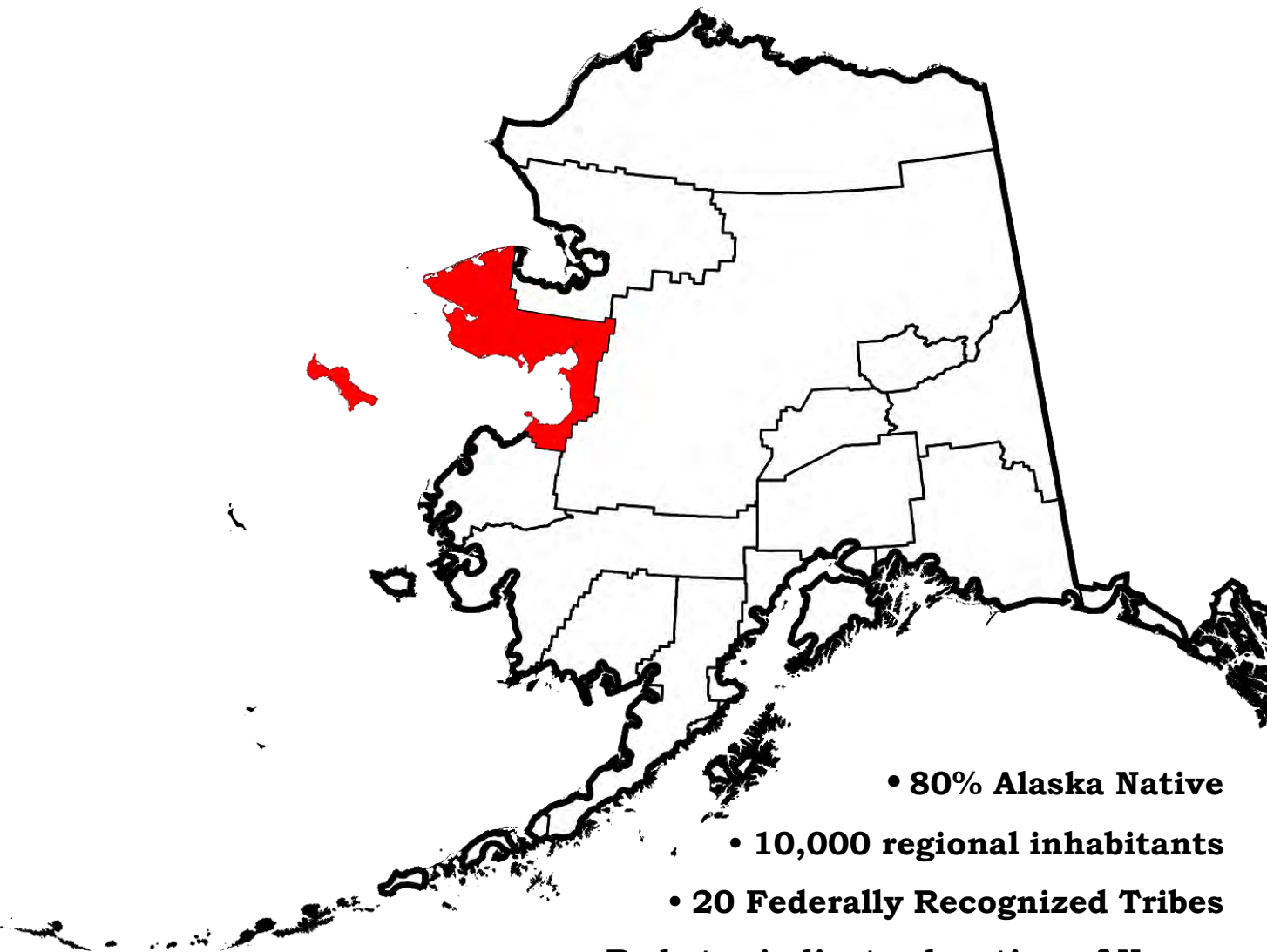
Contact Information

Susan Morales	Morales.Susan@epa.gov
Terri Griffith	Griffith.Terri@epa.gov
Angel Ip	Ip.Angel@epa.gov
Blair Kinser	Kinser.Blair@epa.gov
Brandon Perkins	Perkins.Brandon@epa.gov
Margaret Olson	Olson.Margaret@epa.gov
Madison Sanders-Curry	Sanders-Curry.Madison@epa.gov
Molly Vaughan	Vaughan.Molly@epa.gov
Bjorn Frogner	Frogner.Bjorn@epa.gov
Chuck Penk	Penk.Charles@epa.gov





Kawerak Tribal Response Program Bering Strait / Norton Sound Region



The Bering Strait Region of Alaska

- 80% Alaska Native
- 10,000 regional inhabitants
- 20 Federally Recognized Tribes
- Red star indicates location of Nome
- Kawerak is our Native non-profit corporation
- 23,088 square miles = 59,798 square kilometers

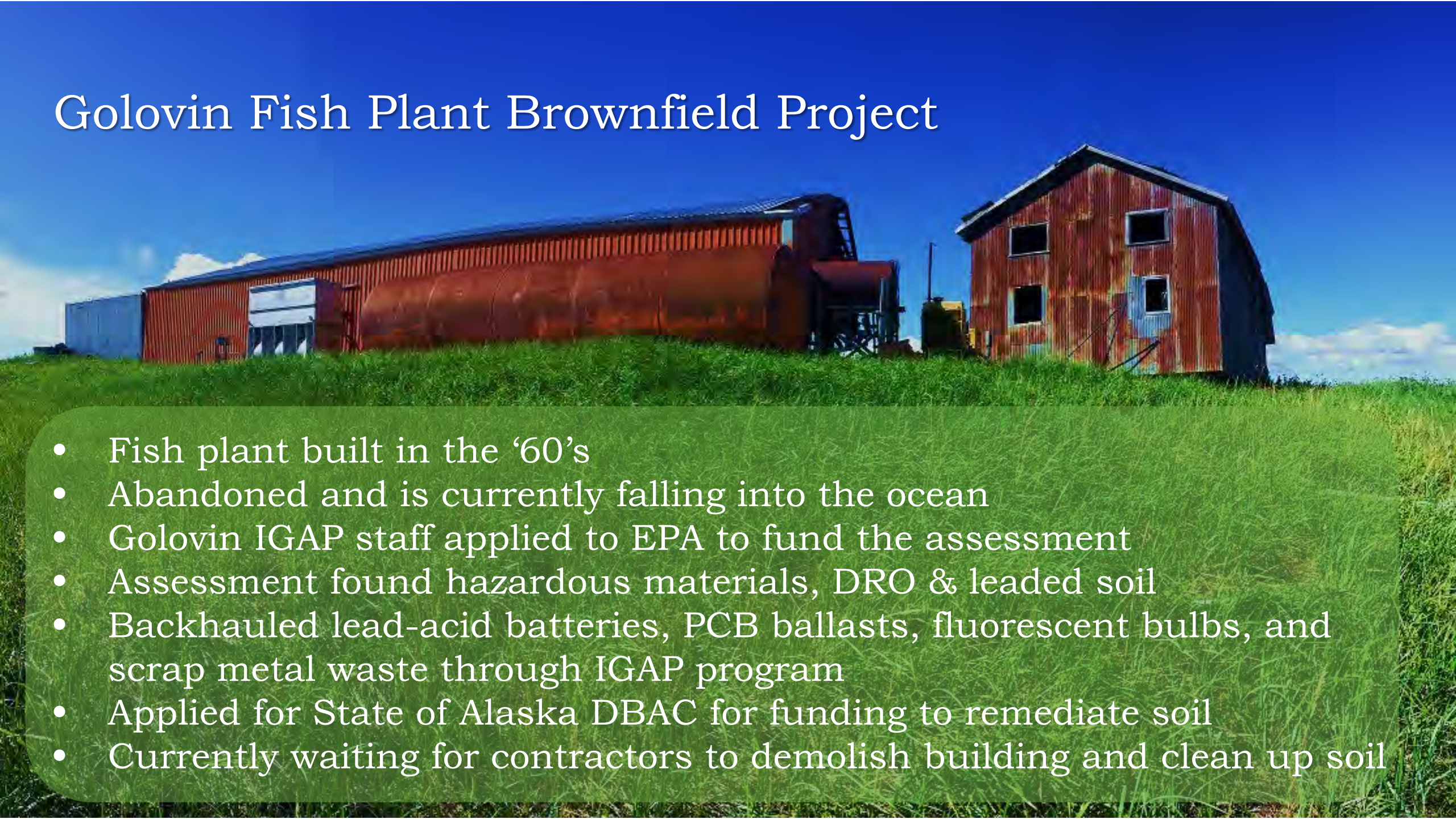


Experiences so far with Brownfields....

- Provided outreach to 20 tribes in our region
- Expanded our Public Record information
- Assisted with DBAC applications
- Submitted a grant application to include more village assessments
- Assisted with one Brownfield project

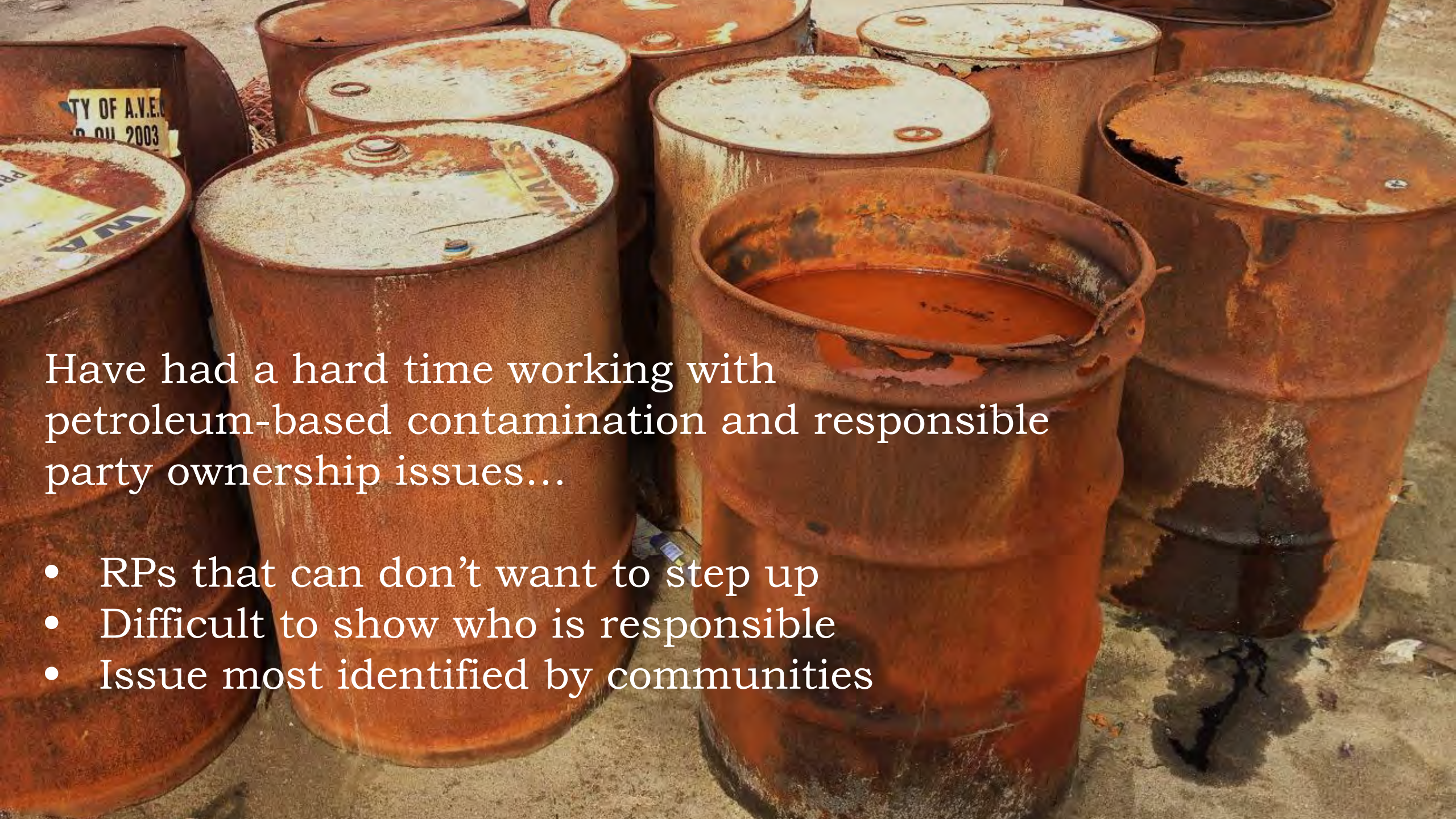


Golovin Fish Plant Brownfield Project

- 
- Fish plant built in the '60's
 - Abandoned and is currently falling into the ocean
 - Golovin IGAP staff applied to EPA to fund the assessment
 - Assessment found hazardous materials, DRO & leaded soil
 - Backhauled lead-acid batteries, PCB ballasts, fluorescent bulbs, and scrap metal waste through IGAP program
 - Applied for State of Alaska DBAC for funding to remediate soil
 - Currently waiting for contractors to demolish building and clean up soil



Old and new
landfills leaching
toxics into the
waterways



Have had a hard time working with petroleum-based contamination and responsible party ownership issues...

- RPs that can don't want to step up
- Difficult to show who is responsible
- Issue most identified by communities

Thank you!

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