



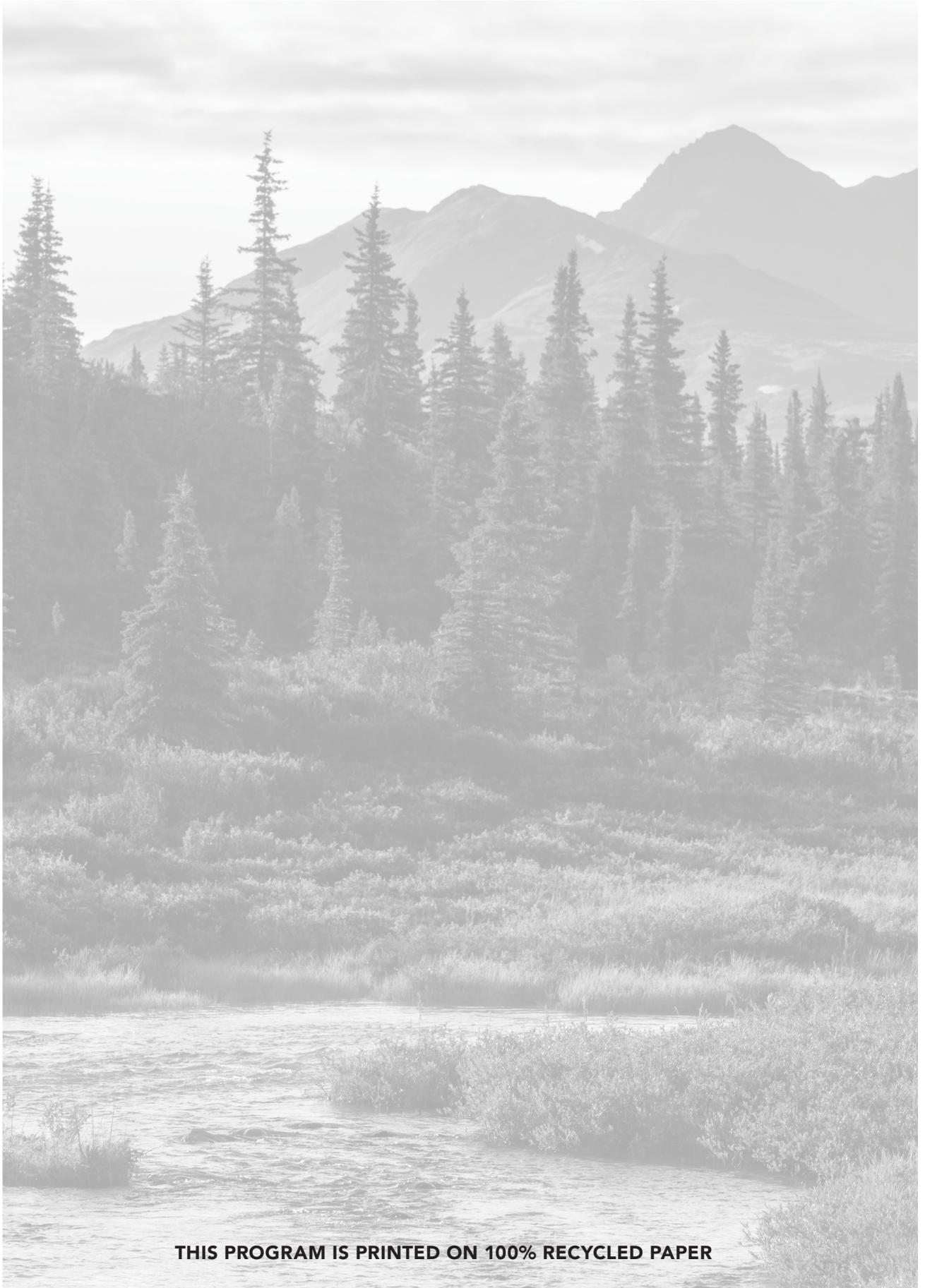
**OCTOBER 24 - 28, 2016
HILTON ANCHORAGE HOTEL**

HELPING TO BUILD HEALTHY AND SUSTAINABLE TRIBAL COMMUNITIES



**ALASKA NATIVE
TRIBAL HEALTH
CONSORTIUM**





THIS PROGRAM IS PRINTED ON 100% RECYCLED PAPER

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GENERAL INFORMATION



NAME BADGES

Name badges serve as conference attendees' entrance pass to all breakout sessions, meals and events. Please wear your name tag at all times.

SILENCE CELL PHONES

Please remember to turn off or silence your cell phones during all sessions. If you need to take a call please step outside the session.

EMERGENCIES

Dial 0 for the Hilton Anchorage hotel operator from any house phone and they will dispatch security, or call direct at 272-7411 and ask for the operator.

HILTON ANCHORAGE HOTEL CONTACT INFORMATION

500 W. Third Ave.
Anchorage, Alaska 99501
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The Hilton Anchorage offers valet parking at a rate of \$24 per day. Additional parking near the hotel is also available at the following locations:

Lower Bowl (Third Avenue & E Street), 225 E St.: \$1/hour
Post Office Mall, 344 W. Third Ave.: \$1/hour
Howard Johnson, 220 W. Third \$1/hour
Fifth Avenue & B Street Garage, 420 B St.: \$1/hour

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A message board will be located at the registration desk on the second floor. Messages can be called in to the Hilton Anchorage at 907-272-7411. Please ask that the message be delivered to the Alaska Tribal Conference on Environmental Management registration desk.

BUSINESS CENTER/ INTERNET

The Hilton Anchorage Hotel has a business center located on the lobby level. Wireless internet will be available in the meeting spaces.

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AWARDS FOR ENVIRONMENTAL EXCELLENCE IN ALASKA

This year, we will recognize the many faces of Environmental Excellence in Alaska. There awards are in the following categories:

Individual:

A motivated individual who has made a significant contribution to improving the environment such as a local environmental employee, council administrator, teacher or other community member.

New Environmental Professional:

A fresh individual who is just getting started but shows promise to be an up-and-coming environmental leader.

Community/Group:

A collection of individuals that have worked together to improve their local environment.

Walter Porter Lifetime Achievement:

A dedicated individual who has put years of hard work into the environmental cause. This individual is a true inspiration deserving the highest honor.

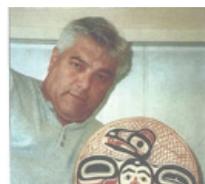


Walter Porter, a Tlingit from Yakutat, Alaska – born into the Raven, Dis Hit (Moon House) invested a lifetime of passion, insight, dedication and care for our sacred environment. This award is in honor of his tireless vision.

Preston Singletary is the artist that created the design for the Walter Porter Lifetime Achievement Award. Preston's art has become synonymous with the relationship between European glass blowing traditions and Northwest Native art. His artworks



feature themes of transformation, animal spirits and shamanism through elegant blown glass forms and mystical sand carved Tlingit designs. Preston worked closely with Walter Porter and states that "my eyes were opened to Native spirituality though ceremony, along with the practice of analyzing traditional Tlingit stories. This has informed my direction as an artist. It was impressed upon me that once one becomes a keeper of cultural knowledge, there is added responsibility."



Ken Decker is the showcase artist who created the drum awards for the Environmental Excellence award recipients this year. Mr. Decker is a Tsimshian artist born and raised in Ketchikan, Alaska and has been creating Northwest Coast designs for more than 20 years. Ken has apprenticed as a carver under the direction of Master Carver Ernest Smeltzer. Ken now teaches classes and he states "teaching offers me

a way to share the knowledge others gave me, and a way to spread fulfillment that can be gained when working with Northwest Coast traditional art forms." Ken and his wife, Monica, own and operate Crazy Wolf Studio (www.crazywolfstudio.com) in downtown Ketchikan.

KEYNOTE SPEAKERS



OPENING CEREMONY TUESDAY 8:00 AM - 9:30 AM

SEVEN BUFFALO DRUMMING GROUP



Seven Buffalo was started in 2004 by Frank Buck at the Wasilla Native Youth Gathering. He started with two drummers and grew to fifty drummers over the years. Frank retired and passed the drum on to Mitch Inga earlier this year. We are all relatives of Mitch from Old Harbor and Akhiok, on Kodiak Island.

Drummers

Mitch Inga "Keeper"

Carl Inga "Lead"

Albert Simeonoff

Nicholai Simeonoff

Dalton Lewis

Dolan Lewis

Preston Peterson

Kevin Snodgrass

Tookie Roberts

Amelia Simeonoff

ROALD HELGESEN, CHIEF EXECUTIVE OFFICER & ADMINISTRATOR ALASKA NATIVE TRIBAL HEALTH CONSORTIUM



Roald Helgesen is chief executive officer and administrator of the Alaska Native Tribal Health Consortium. In his role, he oversees the statewide Alaska Native health services, including the tertiary and specialty care hospital at the Alaska Native Medical Center, environmental health and engineering, community health and business support services that serve Alaska Native and American Indian people living in Alaska.

Prior to joining the consortium, Mr. Helgesen held several positions of progressive responsibility in the Alaska Tribal Health System. Early in his career, he also provided direct health care services as an emergency medical technician.

Mr. Helgesen grew up in Sitka and is an enrolled tribal member with Sitka Tribe of Alaska and Central Council of Tlingit and Haida Indian Tribes of Alaska. He graduated magna cum laude from the University of Alaska Anchorage with a Bachelor of Arts degree in Political Science. While earning his Master of Science degree in Health Care Administration from Trinity University in San Antonio, Texas, he also earned the department's award for excellence in graduate education. Mr. Helgesen is a member of the American College of Healthcare Executives and the Healthcare Financial Management Association. He also serves on the Alaska Tribal Health System directors committee of the Alaska Native Health Board, the executive committee of the Alaska State Hospital and Nursing Home Association, and steering committees for Recover Alaska and Healthy Alaskans 2020.



SAMUEL JOHNS, COMMUNITY ACTIVIST



Samuel Johns is a community activist and motivational speaker. Since the beginning of 2015, he has traveled all over Alaska to speak with the youth about living a drug- and alcohol-free lifestyle.

In June 2015 he created the Facebook Group “Forget-Me-Not.” It eventually turned into a nonprofit organization that helps reconnect homeless community members with their families that are living in Alaska.

LT. GOVERNOR BYRON MALLOTT



Byron Mallott took office in December of 2014 as the first non-partisan administration in Alaska history. They are also the first Alaska-born Governor and Lt. Governor to serve together.

Byron Mallott was born in Yakutat, the ancestral home of his mother’s Tlingit clan. Yakutat remains the voting residence of the Lt. Governor and his wife Toni, who was born and raised in the Athabascan village of Rampart on the Yukon River. Together they have raised their blended family of five children. Their eight grandchildren and one great-grandchild live close by – a true blessing.

Mallott entered public life as mayor of Yakutat at age 22 and has since held many positions of responsibility in the public, private and non-profit sectors. He has served as the state’s first commissioner of community and regional affairs under Governor Bill Egan; president of the Alaska Federation of Natives; founding president of the First Alaskans Institute; trustee, chair and executive director of the Alaska Permanent Fund Corporation; and chair of the Nature Conservancy of Alaska.

In the private sector, Mallott has served as chair, president and CEO of Sealaska Corporation; served on the board of Alaska Air Group, and Bank of America subsidiary boards in Washington and Alaska; and as a director of the U.S. Federal Reserve Bank in San Francisco. Mallott has also been a small business owner and commercial fisherman.

Mallott says his proudest service is as clan leader of the Tlingit Raven Kwaash Kee Kwaan Clan of Yakutat. The Mallott’s spend as much time as possible with their children and grandchildren. They enjoy birding, hiking, fishing and boating in Alaska’s incredible outdoors, and traveling to visit friends and discover new places.

KEYNOTE SPEAKERS



MORNING JAM JAM

WEDNESDAY 8:00 AM - 9:30 AM

MEDA DEWITT, TRADITIONAL HEALER



Meda's Tlingit names are Tsa Tsée Naakw, Khaat klaat, and adopted Cree name is Boss Eagle Spirit Woman "Boss." Her clan is Naanyaa. aayí, and she is a child of the Kaach.aadi, and her family comes from Shtuxéen kwaan (now referred to as Wrangell) Meda's lineage also comes from Oregon, Washington and the Yukon Territory. Currently she lives in Wasilla with her four children.

Meda's work revolves around the personal credo "Leave a world that can support life and a culture worth living for." Her work experience draws from her training as an Alaska Native traditional healer and

Healthy Native Communities capacity building facilitator. Meda has provided individual traditional healing services since 2007 and has worked on a community healing level since 2011.

Currently Meda has two businesses. The first, Haa Jooní Productions, is for the purpose of engaging and empowering communities through the power of storytelling, with multimedia and traditional indigenous healing methods. Haa jooní means "our dream" to represent the process of co-creating a worldview based on strengths and bringing to the forefront stories that highlight the process of succeeding, inspiring others to dare to dream. The second is based on traditional skills building within communities through the delivery of trainings on Indigenous plant usage as food and medicine and traditional health practices. This includes hands-on cooking or medicine making, field identification, Alaska Native stories and worldview, educational lectures, and skills building.

AWARDS LUNCHEON

WEDNESDAY 12:00 PM - 2:00 PM

BYRON NICHOLAI, PERFORMER

Byron Nicholai is Yup'ik from the village of Toksook Bay. He graduated from Nelson Island High School in 2016. Byron has been traditional dancing since he was 4 years old and drumming since he was 7 years old. He is currently attending the University of Alaska Anchorage as an elementary education major with a minor in Alaska Native studies





in hopes of becoming a Yup'ik teacher. For the past two years he has performed all around the U.S. and once in Canada. Byron recently performed at the White House Tribal Nations Conference for President Obama.

POLLY CARR, EXECUTIVE DIRECTOR THE ALASKA CENTER & THE ALASKA CENTER EDUCATION FUND



Polly came to Alaska in 1997 to work as an outdoor educator for the Trailside Discovery Camp in 1997. The outdoor connections she made with young people significantly influenced her future path in the Alaska conservation and social change movements. In 1998, she supported six teenagers in forming the Alaska Youth for Environmental Action (AYEA) program, which set her on a 10-year journey of cross-cultural collaboration and inspiring youth-empowered civic engagement across the state on issues like recycling, toxics, climate change, salmon habitat protection and water quality. She's inspired by the many AYEAs

who have gone to work for tribes, nonprofits and state government. In 2008 Polly worked on the U.S. Senate race to support rural voter engagement. From 2009 to 2013 she was a program officer for the Alaska Conservation Foundation where she partnered with indigenous leaders to launch the Alaska Native Fund, aimed at providing more direct support for the environmental priorities of Alaska Native communities.

As executive director of The Alaska Center and The Alaska Center Education Fund, Polly gets to work with Alaskans of all ages who support healthy fisheries, clean energy and climate solutions, and be a voice in the decisions impacting their resources. She strives to be an effective ally to Alaska Native and other communities in addressing these issues, and is on a continuous path of learning and challenge. Polly spends time outside of work with her husband and joyful daughter Cooper, who just started kindergarten this year.



CLOSING CEREMONY

THURSDAY 3:40 PM - 5:00 PM

DR. GARY FERGUSON, SENIOR DIRECTOR, COMMUNITY HEALTH SERVICES ALASKA NATIVE TRIBAL HEALTH CONSORTIUM



Dr. Gary Ferguson is Aleut/Unangan, originally from the Shumagin Islands community of Sand Point in the Aleutian region of Alaska. He serves as ANTHC's senior director of community health services. He completed his Doctorate in Naturopathic Medicine at the National College of Natural Medicine in 2001 and has been working in the Alaska Tribal Health System for the past 15 years. He serves as board director for the Aleut Corporation, the Aleut Foundation, the Alaska Food Policy Governing Council and the American Indian Cancer Foundation. He also serves on the Alaska Lung Association Leadership Council and the American Diabetes Association

American Indian/Alaska Native Advocacy Committee. He is co-producer of the ANTHC Store Outside Your Door Initiative, addressing food and nutrition security for the first people of Alaska.

IMAMSUAT, GROUP PERFORMER



Imamsuat means "People of the Sea." The Sugpiaq people are maritime people of the south and southwest Alaska. The Kodiak Archipelago, Alaska Peninsula, Prince William Sound and outer Kenai Peninsula is home to the Sugpiaq, Imamsuat is a multi-generational Alaska Native Dance Group of Sugpiaq people based in Anchorage, Alaska. The group was formed to teach, preserve and

promote Sugpiaq culture, values and traditions through song and dance.

TRACKS AND SESSIONS

TUESDAY 9:40 AM – 10:40 AM

WATER QUALITY & SANITATION: King Salmon Room

River Profiles, Citizen Scientists and YRITWC Initiatives

Yukon River Inter-Tribal Watershed Council (YRITWC) has newly developed resources and tools to share. Please join us for an update on this summer's river profiles trip, to review and learn how to access a new water quality testing video resource, to provide feedback on the new website, and much more. This will be an interactive conversation and an opportunity to discuss possibilities for new collaborations.

Presenters: Kelly Donnelly and the YRITWC Team, Yukon River Inter-Tribal Watershed Council

OUR CHANGING CLIMATE: Lupine Room

2015-16 Climate and Weather Review: Hot Alaska

The past year has been exceptionally warm across Alaska, continuing a pattern that began in the summer of 2013. There was a complete lack of extended deep-cold weather during the winter, and sea ice extent in the Bering Sea was exceptionally low. Spring brought early snowmelt and break-up, summer has brought more warmth, and much of the mainland has been wet. This presentation will review these highlights and provide some historical context.

Presenter: Rick Thoman, National Weather Service, Alaska Region

SOLID WASTE: Aspen Room

How to Set-up Your Reuse Center and/or Salvage Areas:

This session will introduce the concept of a reuse center and a salvage yard to those new to solid waste management. This session will also go into detail on how to set these programs up and how to keep them organized. This session will also provide pictures on some outstanding reuse and recycling projects from across Alaska, so people can see what is possible.

Presenter: Sandi Woods, Alaska Department of Environmental Conservation (ADEC)

AIR QUALITY & HEALTHY HOMES: Birch Room

Improving Indoor Air Quality to Improve Respiratory Health

The presenters will discuss how the project was designed, executed and evaluated. They will detail the initial conditions of the residents and their homes, what modifications occurred, and how that impacted the indoor air and respiratory health of residents.

Presenters: AJ Salkoski and Dr. Rosalyn Singleton, Alaska Native Tribal Health Consortium

TRADITIONAL KNOWLEDGE & ENVIRONMENTAL VALUES: Fireweed Room

Heeding Elders Wisdom on Environmental Issues:

Denakkanaaga Board Second Chief Anna Frank and Executive Director Sharon McConnell will speak on how Interior elders address and share information regarding our environment and traditional values, how it differs from region to region, what is expected and what is brought back to the community to share.

Denakkanaaga is a regional nonprofit organization that advocates for and on behalf of Native elders residing in the 42 Interior Alaska villages. Its mission is to be the "elder voice for the people." One of its core commitments is to speak out on social and cultural issues, and pass on the elders' knowledge regarding traditions, languages, our land and way of life.

Presenters: Sharon McConnell and Anna Frank, Denakkanaaga



BROWNFIELDS: Iliamna Room

Contaminated Lands Conveyed to ANCSA Corporations; Update on Report to Congress:

The Bureau of Land Management (BLM) was tasked to update the 1998 report to Congress on the status of contaminated sites conveyed to ANCSA corporations. The updated report is now available along with public access to a contaminated lands inventory database. The Alaska Native Village Corporation Association (ANVCA) provides outreach information to Native village corporations including contaminated lands. ANVCA recently completed an outreach brochure that guides individuals if a contaminated site is discovered.

Presenters: Paul Krabaucer, BLM; Keja Whiteman, The Alaska Native Village Corporation Association

TUESDAY 11:00 AM – 12:00 PM

IGAP HOUR – Allowable Activities and Sustainable Practices for IGAP Solid Waste Management

Room: King Salmon

Presenters: Cathy Villa, U.S. Environmental Protection Agency

Room: Lupine

Presenter: Marhi Lowinger, U.S. Environmental Protection Agency

Room: Aspen

Presenter: Santina Gay and Neverly Shoemake, U.S. Environmental Protection Agency

Room: Birch

Presenter: Sherry Kimmons, U.S. Environmental Protection Agency

Room: Fireweed

Presenter: Michelle Davis, U.S. Environmental Protection Agency

Room: Iliamna

Presenters: To Be Announced, U.S. Environmental Protection Agency

TUESDAY 1:30 PM – 2:30 PM

WATER QUALITY & SANITATION: King Salmon Room

Findings from Project Coyote Water: An Assessment of Unregulated Drinking Water on Tribal Lands within the United States

Private wells or other sources of drinking water such as surface water are not regulated under the Safe Drinking Water Act. Well owners are responsible for testing for bacteria, chemicals, radionuclides, pollutants or other potentially harmful contaminants. About 11 percent of Americans overall use well water as their primary drinking water source. However, vulnerable populations, such as American Indians/Alaska Natives (AI/AN), may rely more on unregulated water sources (UWS). An estimated 30,000 AI/AN homes are without potable water, yet little research has been done to substantiate these estimates, to characterize geographic distribution of AI/AN homes without access to potable water, or to describe potential health hazards from the consumption of UWS. The National Tribal Water Center (NTWC) in conjunction with the CDC's Health Studies Branch created Project Coyote Water. The objectives were to collect information on the consumption and use of UWS within tribal communities, identify motivators for UWS use, characterize priority water contaminants, and inventory educational and outreach activities around UWS use on tribal lands. Project Coyote Water also aimed to identify UWS data that may be available at the tribal and Indian Health Service provider level.

Presenters: George Goodwin III, Alaska Native Tribal Health Consortium

TRACKS & SESSIONS



Reporting on Water is Life

Challenges for water facing Native communities include the recognition of Native American and Alaska Native water rights and jurisdiction, roles and responsibilities of stakeholders, safe drinking water supply, sanitation, protection of water sources, responsible use of water, and the communities' capacity to influence and participate in water management in and off reservations and villages. Respect for water and all forms of life is thus at the core of Native communities' social customs, values, spiritual beliefs and subsistence practices. Pressures on and threats to water from climate change, irresponsible use, scarcity and degradation also affect American Indian and Alaska Native tradition and culture.

Water is Life is a collaborative health promotion campaign that uses art, culture and media to create teachable moments that translate into positive community-wide behavior change towards our most sacred resource - water.

Its objectives:

1. Increase knowledge of water and its effects on health.
2. Increase community pride in and ownership of the local water and sanitation system.
3. Increase sustainability of the local water and sanitation infrastructure and traditional water culture.

Presenters: James Temte and Bailey Gamble, Alaska Native Tribal Health Consortium

OUR CHANGING CLIMATE: Lupine Room

LEO Network Talking Circle

This session is conducted in a traditional talking circle format, and provides an opportunity for participants to talk and share about the types of climate change-related impacts they are experiencing, as well as the implications for their community and their lives. The talking circle is a traditional way to listen, learn, and solve problems. It is an effective way to remove barriers and to allow people to express themselves freely in a conversation that stays within the safety of the circle. This is a growing annual session providing an opportunity for the ATCEM community to hear and assist participants with their challenges. Please come to our session and share your knowledge and good ideas.

Presenter: Moses P. Tcheripanoff, Alaska Native Tribal Health Consortium

SOLID WASTE: Aspen Room

Landfill Designs: What Design is Right for You

This presentation will go into detail on the different design types for landfills in Alaska. Come learn how these different designs apply to wetlands, permafrost and other Alaska-specific issues. This is important information to have if you are considering building a new landfill in your community.

Presenter: Kaylie Holland, Alaska Department of Environmental Conservation

AIR QUALITY & HEALTHY HOMES: Birch Room

Low-Moisture Fuels as an Intervention to Reduce Wood Stove Emissions

The session will share the results of a tribal research effort designed to understand how wood-burning households perceive the heat output, practicality and emissions of briquettes, a low-moisture fuel alternative to cordwood. Previously, no tribal research had examined briquettes as an air quality intervention, yet laboratory testing had indicated that with less than 1 percent moisture content, briquettes produced fewer fine particulates (80 percent) than cordwood, less carbon monoxide (75 percent), and lower carcinogenic PAHs, including benzene, aldehydes and formaldehyde (90 percent). (Houck/EPA; Environment Canada Manufacturer data). Results from the study will be discussed, from the household responses to the indoor and ambient air quality data collected during the trials.

Presenter: Melissa Atalig, Tribal Healthy Homes Network



Safe & Efficient Home Heating with Wood Stoves

Many homes in Alaska are heated with wood stoves. To keep both indoor and outdoor air quality as healthy as possible and to extend the life of the stoves, these appliances need to be operated safely and maintained regularly. Join this session to learn about how to maintain wood stoves in your home and community, tips for producing as much heat and few emissions as possible, and fuel storage ideas. You'll also learn how to use a moisture meter to see if wood is dry enough to burn, and about different types of outreach materials available for educating your community.

Presenter: Leif Albertson, University of Alaska Fairbanks Cooperative Extension

TRADITIONAL KNOWLEDGE & ENVIRONMENTAL VALUES: Fireweed Room

Techno Culture Camps & CITC's Fab Lab

Cook Inlet Tribal Council, the regional Alaska Native nonprofit for the Cook Inlet region, provides a wide array of youth programs. These opportunities are designed to enrich academics, cultural values, traditional knowledge, family involvement and positive youth development. Two of these programs, the CITC Fab Lab and Techno Culture Camps, build on these concepts while combining traditional ways of knowing with modern technology.

The Fab Lab is a digital fabrication resource center where students use high-tech design programs, industrial-grade manufacturing machines and electronic and programming tools to develop new solutions to practical problems and transform ideas into reality. Created in partnership with the Massachusetts Institute of Technology (MIT), this educational space challenges youth to connect to their full science, technology, engineering and mathematics (STEM) potential. Students bring traditional concepts and understanding to their experiments in programming, design and fabrication.

Some of the machines utilized in our Fab Lab include:

- Laser-powered cutter and etcher that works with wood, acrylic and other materials
- Vinyl cutter used for graphics and masking applications
- Mini-desktop milling machine that plots copper and other materials to make antennae, circuit boards
- Large robotic router system
- Industrial embroidery machine
- 3D printers capable of producing fully assembled objects with moving parts

Techno Culture Camps support youth in learning traditional skills such as drumming, dance and fish smoking, along with developing STEM-centered educational and job skills. These week-long camps take place in both urban and rural settings. These camps are made possible through a variety of partnerships, ranging from the Anchorage School District to the villages in the Cook Inlet region. Past camps have included:

- Alternative Energy Camp: Students learn the concepts behind solar and wind power, build solar power cars, create mini wind turbines, listen to guest speakers from CIRI Wind and AVTEC.
- Kayak Camp: Students complete a course to receive their water safety certification, create mini kayaks on 3D printers, and producing usable, large-scale kayaks that are tested at the end of the week.
- Arcade Camp: Curriculum includes learning how to program Raspberry Pi units, assembling electronics, creating mini arcade machines on a laser cutter and basic programming. All participants go home with their created arcade machines.
- Archaeology Camp: In partnership with the Kenaitze Indian Tribe and U.S. Forest Service, our students learn about past historical sites in the Kenai Peninsula, tour traditional cache pits along the Russian River, learn geomapping and plot historical points with GPS units.

Presenter: Eric Watson, Cook Inlet Tribal Council

Middle Kuskokwim Math/Science Expedition & Fish Ecology Internship Program

This session will describe two experiential float trips that get students outside to experience real-world science. The Kuspuk School District's annual EXCEL 90-mile raft trip engages middle and high

TRACKS & SESSIONS

school students in hands-on learning that integrates mathematics, fish ecology and leadership skills. The more-involved internship program is intended to foster students' interest in natural resource management and field biology, and to expose them to employment and postsecondary education possibilities.

Presenter: Dave Cannon, Kuskokwim River Watershed Council

BROWNFIELDS: Iliamna Room

U.S. EPA Brownfield Grants/Services and ADEC Brownfield Services Overview

The first half of the session will provide an overview of the resources that the EPA Region 10 Brownfield Program offers: the Brownfield ARC (104K) Competitive cooperative agreements, the Brownfield State and Tribal Response Program (128a) Capacity Building cooperative agreements, and Targeted Brownfield Assessments (TBA). The second half of the session will provide an overview of the ADEC Brownfield Assessment services. The session will benefit federally recognized tribes, tribal consortia, regional/village corporations, and other forms of local governments in researching potential funds for cleanup of contaminated sites with a re-use plan in place.

Presenters: Mary Goolie, U.S. Environmental Protection Agency; Amy Rodman, Alaska Department of Environmental Conservation

TUESDAY 2:50 PM – 3:50 PM

WATER QUALITY & SANITATION: King Salmon Room

Innovations in Small and Household Water Systems

This presentation will provide an overview of ongoing and past EPA-funded research performed at UAA regarding technology development for small water systems with an introduction to biochar and UV/membrane treatment. The presentation will highlight the progress to date associated with the UAA water/sewer challenge demonstration system and will provide qualitative and quantitative results stemming from the physical system as well as end-user feedback. The goal of the challenge system is to create a household treatment system that provides 58 gallons per day of wash water and two gallons per day of drinking water with no additional water hauling when compared to existing honeybucket communities.

Presenter: Aaron Dotson, University of Alaska Anchorage

OUR CHANGING CLIMATE: Lupine Room

Climate Change Monitoring Using ANTHC Resources

ANTHC's Center for Climate and Health incorporated multiple monitoring projects to help increase awareness for environmental threats and to help understand changes due to the changing environment. This session will give an overview and update of ANTHC projects worked on over the past year and will explain the importance of monitoring and recording environmental challenges occurring in communities across Alaska. By valuing and utilizing traditional and local knowledge mixed with Western science, projects such as the Community Camera Project, the Local Environmental Observer (LEO) Network and the Rural Alaska Monitoring Project have been successful.

Presenter: Mary Mullan, Alaska Native Tribal Health Consortium

SOLID WASTE: Aspen Room

Kodiak Island Borough Village Metal Backhaul Project

The Kodiak Island Borough was the recipient of the Coastal Impact Assistance Program grant to



remove scrap metal and household hazardous waste from six village communities located in the Kodiak Archipelago - Ouzinkie, Port Lions, Larsen Bay, Karluk, Old Harbor and Akhiok. The session will explore the following:

- Project start-up challenges.
 - Collaborative approach to implementation, management and eventual completion of project objectives.
 - How the Kodiak Island Borough worked with two Kodiak regional entities (Kodiak Island Housing Authority and Kodiak Area Native Association).
 - Explanation of the timeline and approach to removing large volumes of scrap metal from locations only accessible by water or air.
 - Proposed approach to continue program sustainability through EPA IGAP Consortium.
- Presenter: Tyler Kornelis, Kodiak Island Borough Village Metal Backhaul Project*

Rural E-waste Removal and Communities Pulling Together

Seldovia Village Tribe worked with Port Graham and Nanwalek to remove e-waste from the three communities this past year. Under a grant through EPA we were able to remove more than 10,000 pounds over two summers and also provide each community with a materials reuse facility. We will talk about how we went about successfully working together as communities and some of the issues we had along the way.

Presenter: Michael Opheim, Seldovia Village Tribe

AIR QUALITY & HEALTHY HOMES: Birch Room

Healthy Homes Partnership Project in Kluti-Kaah

Maintaining a healthy home is important to ensure the health and safety of its occupants. In 2016, the Native Village of Kluti-Kaah led a partnership project with the Copper River Basin Regional Housing Authority (CRBRHA) and ANTHC to improve home health for Kluti-Kaah tribal members. This presentation will provide an overview of the project history and partnership, and describe the home assessments, education and interventions that occurred. Dennis McGlothin will follow with a presentation on CRBRHA's role in the project.

Presenter: Bailey Richards, Alaska Native Tribal Health Consortium

Ventilation Assessment and Work for Air Quality and Healthy Homes

This presentation will provide an overview of improvements made to Kluti-Kaah tribal homes by the CRBRHA. This work was completed as part of CRBRHA's role in a healthy homes partnership project with the Native Village of Kluti-Kaah and ANTHC. The presentation will include information on assessing existing ventilation in homes, estimating needed ventilation, different bath fan options, proper installation of bath fans and range hoods, and the ducting needed for each option.

Presenter: Dennis McGlothin, Copper River Basin Regional Housing Authority

TRADITIONAL KNOWLEDGE & ENVIRONMENTAL VALUES: Fireweed Room

The National Tribal Toxics Council: An EPA Tribal Partnership Group

Are you concerned about increased exposure to toxics experienced through cultural, ceremonial and subsistence practices? Do you want to identify or better understand how toxics are impacting your environment and subsistence resources? This session will cover these topics through an introduction of the National Tribal Toxics Council (NTTC), which is an EPA Tribal Partnership Group (www.tribaltoxics.org).

The NTTC consists of tribal scientists and other tribal staff who are concerned about the increased exposure to toxics by tribal people. The council meets monthly by phone and up to twice a year in person with the EPA and scientists who work on studying the effects of toxics on humans and the

TRACKS & SESSIONS



environment.

The NTTC works to identify toxics issues that are important to tribes, assists the EPA with tribal outreach, and recommends policy changes to better consider the risks tribal people experience when exposed to toxics, and to identify better ways to protect tribal lifeways. The mission is to move forward tribal management policies and programs that deal with toxics in a manner consistent with the needs, interests and unique legal status of American Indian tribes, Alaska Natives, and Native Hawaiians.

When the NTTC was established in 2011, the EPA said, "We want to ensure that we address the ways that tribal members are affected by toxic substances and promote pollution prevention efforts that reflect their interests and needs." The NTTC will help the EPA better tailor and more efficiently address a variety of issues, including preventing poisoning from lead-based paint, expanding pollution prevention and safer chemical initiatives in Indian country, and better evaluating chemical exposures that may be unique to tribes and their members.

The major law that the NTTC works with is the Toxic Substances Control Act (TSCA), which was just updated in June after almost 40 years. At this session, the council will provide information about what TSCA means for tribes, and how the TSCA reform will benefit tribes, Native people and the resources they depend on.

Presenter: Dianne Barton, National Tribal Toxics Council

BROWNFIELDS: Iliamna Room

Using Community WEAR Report for Brownfield Sites

Learn what a brownfield site is along with an overview of the completed Waste Erosion Assessment and Review (WEAR) Project. We'll explain how this project could help you discover brownfield sites in your community and possible funding sources for action related to them.

Presenters: Rebecca Colvin and John Halverson, Alaska Department of Environmental Conservation

TUESDAY 4:00 PM – 5:00 PM

WATER QUALITY & SANITATION: King Salmon Room

Water Fluoridation in Rural Alaska

Today, there are 14 communities in Alaska that fluoridate; only 5 of these are non-hub rural communities. In 1992, there were 123. The CDC hails water fluoridation as one of the 10 greatest public health achievements of the 20th century. It is considered as important as vaccinations, seat belts and the realization that smoking is bad for you. There are 70 years of proof that water fluoridation is a safe and effective means to reduce dental decay. This is especially important for children as there is conclusive proof that fluoridation reduces decay by at least 20 to 40 percent.

Alaska Natives have some of the worst dental health in the nation, and though accessibility has improved with the Dental Health Aide Therapist Program, many rural residents still have limited access to care. This presentation will talk about the history of water fluoridation in Alaska, provide an overview of ANTHC's Fluoride Promotion Program, share status updates on water fluoridation in rural Alaska and describe both the challenges and opportunities in Alaska concerning water fluoridation.

Presenter: Brian Berube, Alaska Native Tribal Health Consortium



OUR CHANGING CLIMATE: Lupine Room

Local Environmental Observer (LEO) Introduction

This session is an introduction to the Local Environmental Observer (LEO) Network for new users. LEO is a network of local observers and topic experts who share knowledge about unusual animal, environment and weather events. With LEO, you can connect with others in your community, share observations, raise awareness, and find answers about significant environmental events. You can also engage with topic experts in many different organizations and become part of a broader observer community.

A live overview of the website will include how to join, navigating the website, making and viewing *current posted observations, and more.*

Presenters - Michael Brubaker and Mary Mullan, Alaska Native Tribal Health Consortium

SOLID WASTE: Aspen Room

A Storytelling: The Landfill Operator's Quest

Come listen, laugh and enjoy unplugging from the screen to hear a story about a landfill operator and his quest to appease the village king. This story has it all. Learn best management practices for the landfill, recycling options, and landfill effects on subsistence all woven into a story with vivid characters and situations you may relate to. This session is meant to be fun and educational.

Presenter: Sarah Durand, Alaska Department of Environmental Conservation

You've Got Questions? We've Got Answers

This is an open question-and-answer session on anything related to solid waste management.

Presenter: Ted Jacobson, RurAL CAP

AIR QUALITY & HEALTHY HOMES: Birch Room

Addressing Bed Bugs in Rural Alaska

This session will give an overview of the EPA grant for addressing bed bugs in rural Alaska that Bristol Bay Area Health Corporation was awarded. The grant was awarded over two years for just under \$100,000. Tanana Chiefs Conference is collaborating with Bristol Bay Area Corporation to meet the deliverables of this grant. In the past, rural Alaskan communities have been limited to basic education about detection, prevention and elimination of bed bugs. This grant has given us an opportunity to do a little more for rural Alaska. This grant is not limited to any one particular region of the state. We identified the need for a statewide advisory board consisting of various professionals which meets regularly to discuss the scope of the grant and what we are aiming to accomplish. It also keeps us abreast of the most modern research.

During FY16, the grant is focusing on sending out toolkits and related educational materials to homeowners in rural Alaska who are combating bed bugs. The toolkit items have been researched, reviewed and put together to meet the identified needs of rural Alaskans. Funding from FY17 will focus on hot boxes, which are used to treat large household items and furniture with heat. The hot boxes will be available to communities through an application process.

This presentation will also discuss some of the challenges and accomplishments of addressing bed bugs in rural Alaska.

Presenter: Jennifer Skarada, Bristol Bay Area Health Corporation

TRADITIONAL KNOWLEDGE & ENVIRONMENTAL VALUES: Fireweed Room

Climate Change and PSP: A Community Demonstration Project Combining Youth, Traditional Knowledge and Western Science

TRACKS & SESSIONS



Many Native tribes have depended on their knowledge and shellfish consumption practices as a major form of sustenance for thousands of years. Recent climatic changes have begun to jeopardize major sources of foods for many communities. These changes and their effects on the available food sources are being questioned for current sustainability and even long-term survival. With an increase in climatic temperature affecting our oceans today, there is an increase of harmful algae blooms found during the "safe" shellfish consumption times, which has increased risk of exposure to deadly toxins for those consuming affected shellfish. The Alutiiq Tribe of Old Harbor received funding to investigate paralytic shellfish poisoning (PSP) trends, and the relationship of the toxins to seawater salinity and temperature measurements at two local subsistence sites. Through this ANTHC-funded Community Environmental Demonstration Project, two local youths are carrying out an in-depth comparative examination of both the traditional practice and the scientific data to increase the knowledge of their community on safe shellfish consumption. The current project builds on top of a foundation of two-and-a-half years of community PSP monitoring data collected under the ADEC-funded pilot PSP study and addresses some very important questions that arose from that monitoring. We will share information from the current study as well as information about PSP and what you can do in your community to prevent toxic PSP incidents.

Presenters: Joan Barnowsky, Bobbi Barnowsky and Julie Matweyou, Alutiiq Tribe of Old Harbor

BROWNFIELDS: Iliamna Room

Brownfields Technical Assistance, Resources and Mentoring

This session will include an overview of brownfields services provided by ANTHC and Bristol Bay Native Association (BBNA). Detailed information will be shared on BBNA, including a brief history, how BBNA's Brownfields Program assists regional communities with contaminated sites, and accomplishments the program has achieved over the years. This session will also provide an overview of additional brownfields technical assistance, resources, mentoring opportunities, and the Institute for Tribal Environmental Professionals' (ITEP) new online training courses. Attendees will also learn how to navigate and receive certificates for completing the online courses, which include discussion forums with other tribal environmental professionals, video presentations, and activities, assignments, and quizzes.

Presenters: CaSander Johnson, Bristol Bay Native Association, and Jennifer Williams, Institute for Tribal Environmental Professionals

WEDNESDAY 9:40 AM – 10:40 AM

WATER QUALITY & SANITATION: King Salmon Room

Baseline Drinking Water Analysis

This session will focus on shallow aquifer sampling for heavy metals conducted for homeowners and businesses in Ekwok along with fecal coliform testing as per our approved quality assurance plan.

Presenter: Lorraine King, Ekwok Village Council

OUR CHANGING CLIMATE: Lupine Room

Taking a Stake in Shoreline Erosion Monitoring

This session is an introduction to the Local Environmental Observer (LEO) Network for new users. LEO is a network of local observers and topic experts who share knowledge about unusual animal, environment and weather events. With LEO, you can connect with others in your community, share observations, raise awareness and find answers about significant environmental events. You can also engage with topic experts in many different organizations and become part of a broader observer community.

A live overview of the website will include how to join, navigating the website, making and viewing current posted observations, and more.



Presenters: Jaquelyn Ovebeck, State of Alaska Division of Geological & Geophysical Surveys Coastal Hazards Program and Sue Flensburg, Bristol Bay Native Association

SOLID WASTE: Aspen Room

Burn Units: How to Maintain and Fix them with Local Labor and Supplies

This presentation will go over the different routine maintenance practices that should be employed with burn units and how to fix the units with local labor and materials.

Presenters: Chris Marshall, Tok Welding and DaWayne Constantine, Summit Consulting

AIR QUALITY & HEALTHY HOMES: Birch Room

Access to Veterinary Care in Rural Alaska

There has never been routine access to veterinary care in the remote communities of Alaska. This has led to an extreme surplus of unwanted and uncared-for animals in our villages and has created an ongoing emergency situation that is a major threat to public health and animal welfare.

This presentation will describe the present status of veterinary care in rural Alaska, the human health issues associated with an absence of animal control, current efforts and barriers concerning access to veterinary care, and outline a plan to help bring veterinary care to rural Alaska.

Presenter: Brian Berube, Alaska Native Tribal Health Consortium

TRADITIONAL KNOWLEDGE & ENVIRONMENTAL VALUES: Fireweed Room

Embracing the Wisdom of our Ancestors: Living our Traditional Values and Spirituality

As caretakers of the land, we carry inside of us a roadmap from our ancestors which guides us towards a life of health and harmony. Our traditional values and spirituality as handed down through the generations are vibrant teachings still relevant and timely today. Our forefathers, those intelligent, wise and resilient people, were closely intertwined with the spirit of the land and environment. Their intricate systems and ways of knowing handed down through stories, rituals and ceremonies tended to both the seen and unseen realms. Although the effects of rapid acculturation often sidetracked our vision of wellness in the past, today more people are once again embracing the teachings of a holistic worldview to chart a course of cooperation, coordination and collaboration for a better way of life and a more humane world. Elders as our first teachers have a close bond with the youth and are in a position to see the "gifts" of the children in a traditional way. As storytellers, the presenters and audience will share personal stories not normally shared in public so that we can readily tell the truth of who we are as indigenous people of the land.

Presenters: Elizabeth (Liz) Sunnyboy, Pilot Station and Patrick Frank, Holy Cross

BROWNFIELDS: Iliamna Room

Brownfield Resources for ANCSA Contaminated Lands

The Bureau of Land Management recently delivered a report to Congress which provided the most comprehensive inventory to date of known contaminated sites on lands conveyed to Native corporations through the Alaska Native Claims Settlement Act (ANCSA). These conveyed contaminated sites raise many human health and safety, environmental, and economic concerns for communities throughout Alaska. Native regional and village corporations are eligible to apply for brownfields assistance through the Alaska Department of Environmental Conservation and the Environmental Protection Agency. Some of the conveyed lands not already under a cleanup program may be eligible for assistance. This session will address brownfields in the context of contaminated ANCSA lands, eligibility and the types of resources that may be available to provide assistance with assessment or cleanup for eligible sites that have reuse or redevelopment plans.

Presenter: Christy Howard, Alaska Department of Environmental Conservation

TRACKS & SESSIONS

WEDNESDAY 11:00 AM – 12:00 PM

IGAP HOUR – Best Practices for IGAP Grants Management for All Grantees

Room: King Salmon

Presenters: Cathy Villa and Neverley Shoemake, U.S. Environmental Protection Agency

Room: Lupine

Presenters: Mahri Lowinger, U.S. Environmental Protection Agency

Room: Aspen

Presenter: Santina Gay, U.S. Environmental Protection Agency

Room: Birch

Presenter: Sherry Kimmons, U.S. Environmental Protection Agency

Room: Fireweed

Presenters: Michelle Davis, U.S. Environmental Protection Agency

Room: Iliamna

Presenter: TBA, U.S. Environmental Protection Agency

WEDNESDAY 2:00 PM – 3:00 PM

WATER QUALITY & SANITATION: King Salmon Room

ANTHC Utility Billing, Management and Supply Order Programs

The Utility Billing Program is an ANTHC program which invoices utility customers in participating communities. Monies collected from customers, minus a monthly service fee, is returned to the participating communities to operate their water/sewer system.

The Alaska Rural Utility Collaborative (ARUC) is a program which manages, operates and maintains water and sewer systems in partnership with 27 communities throughout Alaska. Participating communities receive a higher level of utility management and managerial and technical assistance. The Alaska Utility Supply Center purchases parts and supplies at a discounted rate and then passes those savings on to members.

Presenter: Francine Moreno, Alaska Rural Utility Collaborative, Alaska Native Tribal Health Consortium

OUR CHANGING CLIMATE: Lupine Room

BeringWatch and Citizen Sentinel: Community-Based Monitoring in the Bering Sea/Aleutian Islands

The Bering Sea/Aleutian Islands has been the focus of intensive research in recent decades, however the rapid pace of climate change has increased scientific uncertainty regarding future productivity and resilience of this and other Arctic ecosystems. There is an urgent need to increase the seasonal breadth and spatial resolution of monitoring efforts to track changes in Arctic-influenced regions. This is where community-based ecological monitoring can play a valuable role. The goal of the BeringWatch/Citizen Sentinel program is to enable community members to collect reliable local environmental data in order to support and inform decisions that affect the region. The value of this approach and the proven competence of communities to collect these data have been demonstrated through various projects conducted over the past decade by Alaska tribal organizations such as the Aleut Community of St. Paul Island Tribal Government Ecosystem Conservation Office, the St. George Traditional Council Kayumixtax Eco-Office, the Agdaagux Tribe of King Cove, the villages of False



Pass and Akutan, and most recently Unalaska and Hooper Bay. In order to facilitate our community monitoring efforts, the BeringWatch program has just released a Citizen Sentinel app that allows local residents to engage in citizen science and record observations using their mobile devices.

Citizen Sentinel data and observations may be accessed from the BeringWatch Facebook page and BeringWatch website. Come learn about how this program can strengthen local observer networks in Alaska.

Presenter: Lauren Divine, Aleut Community of St. Paul Island

SOLID WASTE: Aspen Room

Landfill Expansions on a Budget: Success Stories from Venetie and Eagle

Come and learn about two successful landfill expansion projects. Both of these projects were completed with a minimal budget and were managed by the local tribal government. The Native Village of Eagle successfully completed a lateral expansion and the Native Village of Venetie successfully completed a vertical expansion. One of these project has a budget of less than \$40,000. Come and learn how they did it.

Presenters: Al Ashley, Eagle IGAP Coordinator and Antonio Sisto, Venetie IGAP Coordinator

AIR QUALITY & HEALTHY HOMES: Birch Room

Safe and Efficient Home Heating with Wood Stoves

Many homes in Alaska are heated with wood stoves. To keep both indoor and outdoor air quality as healthy as possible and to extend the life of the stoves, these appliances need to be operated safely and maintained regularly.

Join this session to learn about how to maintain wood stoves in your home and community, tips for producing as much heat and few emissions as possible, and fuel storage ideas. You'll also learn how to use a moisture meter to see if wood is dry enough to burn, and about different types of outreach materials available for educating your community.

Presenter: Leif Albertson, University of Alaska Fairbanks Cooperative Extension

Best Management Practices While Burning in Class III Landfills

This presentation will cover the dos and don'ts of burning in a rural village and how to best minimize human and environmental health impacts from poor/inappropriate burning practices.

Presenter: Ted Jacobson, RurAL CAP

TRADITIONAL KNOWLEDGE & ENVIRONMENTAL VALUES: Fireweed Room

Integrating Traditional Cultural Values Helps Students Excel

This session will link student achievement to the integration of cultural values, including the physical environment, into a school's curriculum. The session will discuss Alaska's four cultural standards, especially Cultural Standard B which states: Culturally-responsive educators use the local environment and community resources on a regular basis to link what they are teaching to the everyday lives of the students. The theme of stewardship of the land as being a foundational value to Alaska Native people and how it connects and grounds them will be a central theme to the presentation. Cultural Standard B provides the cornerstone of identity since Native people do not divorce themselves from the world around them.

Presenter: Martha Gould-Lehe, SERRC University

Partners for Data and Science in Tribal Decision Making

Brenda Trefon, the Kenaitze Indian Tribe Environmental Coordinator, and Dan Rinella, UAA professor

TRACKS & SESSIONS



of aquatic ecology, are building a resource library of data and climate science to assist tribal leaders in decision making. They are working together to encourage the tribal community to use data and science in their decision making process. Like a smaller scale version of the University of Alaska Decision Theater North, they are creating a "Decision Library" of Kenai with help from the University of Alaska EPSCoR Program. The Tribal Resource Library created a place to gather data, tools, and resources from various studies on social-ecological systems science in a tribal setting with friendly and easy access for students, parents, teachers and decision makers. They have can integrated Dena'ina language, traditional knowledge and Dena'ina place name maps with existing EPSCoR/climate science research. This is a place where people can learn together and build ideas in a traditional Dena'ina style of learning and planning.

The Kenaitze Tribal Environmental Program, youth interns and Kenaitze Ggahnilchit Youth Council are creating a database of EPSCoR and TEK research topics and materials available with links to subjects of interest to the tribe such as housing, health, and salmon. We are also hosting a tribal data visualization training in Kenai this fall. Some of our tribal youth interns will demonstrate what they learned and share a presentation on how other tribes can access this data and visualization tools to incorporate science and traditional values to create their own research database and library.
Presenter: Brenda Trefon, Kenaitze Indian Tribe

BROWNFIELDS: Iliamna Room

Reflections of a First Year STRP/Brownfields Program

This presentation will go over why the Klawock Tribal Association applied for a STRP Brownfields grant and what have I done in my first year as the brownfields coordinator.
Presenter: Brian Holter Jr., Klawock Cooperative Association

The Right Person for the Job: An Overview of the RACEJT Program

Do you need to transform community residents into the trained and job-ready staff you need for landfill operation, brownfield sampling, spill response and more? This session is for you! The Rural Alaska Community Environmental Job Training (RACEJT) Program provides a free four and a half weeks of environmental and life skills training to your underemployed community residents. In most cases, it will pay for the airfare, lodging and food. This session will describe the program, answer questions, and share our lessons learned in achieving a graduation rate of over 90 percent. Even if you train your employees somewhere else, you can gain valuable insights into what to look for in a training program that will result in success.
Presenter: Lynn Zender and April McCoy, Zender Environmental Group

WEDNESDAY 3:15 PM – 4:05 PM

WATER QUALITY & SANITATION: King Salmon Room

Water and Sanitation Innovation in Kivalina

The city of Kivalina is threatened by coastal storms and erosion made worse by climate change. Residents are forced to rely on the limited amount of water they can carry from a central watering point and a self-haul honeybucket sewage system. This presentation will describe a pilot project to install water and sanitation units in nine homes and the lessons learned from the project. Attendees will learn the value of partnership and innovation to find a solution that appropriately fits the problem rather than just the latest and greatest technologies.
Presenter: Korie Hickel, Alaska Native Tribal Health Consortium

OUR CHANGING CLIMATE: Lupine Room

Chugach Region Climate Change Adaptation Planning

Chugach Regional Resources Commission (CRRC) has been working on climate change-related issues as they affect tribal lands, communities and the subsistence resources upon which the tribes depend. Currently, tribes lack a strong connection to research from the climate science community despite vulnerability to climate change impacts. As such, CRRC has been identifying and addressing climate needs relative to understudied resources of high cultural value to the tribes.

CRRC completed the assessment phase of a climate change adaptation planning process, which was a high-level assessment exercise that resulted in a document detailing the status of regionally applicable land management agencies and their climate change efforts and a climate resource guide for tribes specific to CRRC. Additionally, interviews were conducted at each of the villages to identify important concerns related to climate change. Through this process, CRRC was able to develop guidance on future engagement with governmental agencies and other stakeholders to continue CRRC's Climate Change Program.

In 2016, CRRC held a climate change workshop which brought together scientific experts, tribal leaders, community members, and interested public. Participants enjoyed lectures from the U.S. Fish and Wildlife Service, the Kachemak Bay National Estuarine Research Reserve, the Alaska Center for Climate Assessment and Policy, experienced lawyers and environmental planners, and ANTHC's Healthy Village Environment Program. The four main topics covered in the workshop were: ocean acidification, fisheries, climate change and subsistence. The workshop provided valuable insight from the people on first-hand climate change observations from the region.

The second phase of CRRC's planning process is vulnerability assessment. This phase will help CRRC understand how climate change will affect the tribes and the resources they depend on. CRRC's goal is to understand what resources are most or least vulnerable to climate change and why. CRRC is treating the climate change workshop as the first step in this phase and will continue to analyze results from the workshop, identify scientific information needs, data gaps and vulnerability of priority resources. From the workshop, CRRC was able to identify key resources to focus on when conducting the vulnerability assessment. For example, participants from the villages ranked their subsistence resources (i.e. kelp, herring, salmon, clams, deer and berries) as the most important issue to consider when facing climate change. They rely heavily on shellfish and fish, and are seeing drastic changes. Tribes are concerned with the health of the foods they are eating and what red tides are doing to their resources, namely the presence of paralytic shellfish poisoning. Participants want to be able to continue to hunt and that is going to take cooperation from fish and game regulators to adapt to changing hunting seasons.

The last phase of the planning process is developing an adaptation plan. CRRC will develop a plan that guides communities to adapt to a changing climate by summarizing data from the first two phases to inform future and research efforts.

Presenter: Willow Hetrick, Chugach Regional Resources Commission

Human Rights, Resilience and Community-Based Adaptation

This session will focus on the human rights issues that need to be the basis for community-based adaptation. Adaptation to a rapidly changing climate requires community engagement and empowerment. The Alaska Institute for Justice, Alaska Native Science Commission and ANTHC are working with 14 Alaska Native communities to design a community-based social-ecological monitoring and assessment tool to increase capacity to adapt to climate change impacts. Human rights protections are the core principles guiding this work and will be discussed during the workshop.

Presenter: Robin Bronen, Alaska Institute for Justice

TRACKS & SESSIONS



SOLID WASTE: Aspen Room

Backhauling on the Upper Kuskokwim River

In 2010, the McGrath Native Village Council was awarded 75,000 from the EPA in a special project that was used to work with surrounding communities in a backhaul project. This project was very successful and implemented a lot of the recycling programs that we currently have within the community today. We would like to share with others our recycling programs, what we have recycled, and the importance of working with other entities and communities and getting the word out, which has made our program a success.

Presenter: Elise Bobby, McGrath Native Village Council

Green Star of Interior Alaska: Recycling in Interior Alaska and the Yukon

This session will provide an overview of the new recycling program being launched in Interior Alaska by Greenstar of Interior Alaska. Becca Brado, Director, has been working hard to bring reliable recycling options to all of Interior Alaska. Come and hear what is coming!

This session will also highlight the mentoring that Ms. Brado received thanks to ITEP. She successfully shadowed Anahma Shannon, Kawerak's regional environmental director, and learned how regional recycling works in the Nome area.

Presenter: Becca Brado, Interior Green Star

AIR QUALITY & HEALTHY HOMES: Birch Room

Firewise: A Community Awareness Program

This presentation will cover how to "Firewise" your home and provide an overview of the Ready, Set, Go! Program. Fire prevention and preparedness topics will include how to be firewise and preparing for an evacuation.

Presenter: Douglas Albrecht, Alaska Division of Forestry

Diesel Emission Reduction Act (DERA Grant Funding Program)

Presents an overview of the DERA Tribal Grant Program and how it can help fund tribes and Native villages with projects to reduce diesel emission reduction.

Presenter: Lucita Valiere, U.S. Environmental Protection Agency

TRADITIONAL KNOWLEDGE & ENVIRONMENTAL VALUES: Fireweed Room

Silavut Atlannuraaqtuq: The Changing Weather

Silavut Atlannuraaqtuq: The Changing Weather, is a video presentation about the climate change effects seen and felt throughout Northwest Alaska. Put together by Maniilaq Association from a grant from ANTHC, the presenter and a filmmaker traveled to several villages in the Maniilaq Service Area to talk to residents about what they have witnessed in the last few years. These "regular people" are not scientists or researchers, rather they are hunters, gatherers and members of those tribes feeling the effects from the weather changes. Those interviewed rely on the land and environment to sustain them with food, safety and shelter. In Northwest Alaska, where a gallon of milk costs upwards of \$18 and a gallon of gas is as much as \$12, hunting, gathering and a living a subsistence lifestyle is not an option, it is a necessity to survive. You will see that by interviewing regular people, the impacts of climate change are felt by everyone, from the babies to the grandparents. For some, it's an inconvenience. For some, it means not feeding your family because the caribou migration has changed, or the ice is not safe to travel on. Subsistence gathering is not simply a cultural event to be passed down, it is an economic necessity, which is being threatened significantly by the changing weather of Alaska.

Presenter: Maija Lukin, Maniilaq Association

BROWNFIELDS: Iliamna Room

Climate Change Impacts on Brownfield Sites

In recent years, it has been documented how climate change is impacting many of Bristol Bay's coastal communities. With warmer weather, many coastal communities are noticing the lack of ice pack, extreme storm surges, and melting permafrost, which has increased the rate of erosion and flooding. With events like these, many brownfield sites within coastal communities impose a risk to human and environmental health. Brownfield is a term to describe an area that may have potential hazardous materials or pollutants that a community wants to put back into reuse. This presentation will discuss several brownfield sites in the Bristol Bay region to illustrate how changing climate conditions could affect these sites and cause greater risks to community health and the environment. The presentation will also cover the steps to sustainably reuse a brownfield site.

Presenter: CaSandra Johnson, Bristol Bay Native Association

EPA Brownfields Cleanup Grant: CIHA Proposal

In 2016, Cook Inlet Housing Authority (CIHA) was selected to receive a \$200,000 federal grant from the EPA to cleanup a brownfield site in Anchorage. The property was contaminated prior to CIHA's acquisition. Efforts to clean up the contamination by responsible parties were never completed. As a result, the contamination migrated, and eventually affected CIHA's property across the street. This prompted CIHA to take on the challenge of acquiring and cleaning up a contaminated property in an established neighborhood already facing redevelopment barriers such as social stigma, aging public infrastructure, blighted properties and a municipality that was transitioning to a new "progressive" land use code. Based on the property's prominent location, CIHA concluded that any forward action to clean up the contamination would be a catalyst for private and public reinvestment and ultimately benefit the greater neighborhood. After several attempts to secure public funding, CIHA's proposal was selected to receive an EPA Brownfields Cleanup grant. Although the award amount is expected to cover less than half of the estimated cost of the cleanup, they will help while also bringing federal funds to Alaska. CIHA will present an overview of the proposal submitted to the EPA, including the types and sources of information used to successfully compete for this award.

Presenter: Tyler Robinson, Cook Inlet Housing Authority

WEDNESDAY 4:15 PM – 5:00 PM

WATER QUALITY & SANITATION: King Salmon Room

Radon - Silent but Deadly

Radon is a cancer-causing radioactive gas. You cannot see it, smell it or taste it. The surgeon general has warned that in the U.S. radon is the second leading cause of lung cancer, which has a low survivability rate. Radon is responsible for about 21,000 lung cancer deaths every year. It easily penetrates many common building materials as it comes up from the earth. This presentation will highlight the research and study of radon within the community of Old Harbor done by a youth environmental advocate. She will share the results of her study as well as the harmful effects of radon and ways to identify radon within your home or workspace.

Presenter: Joan Barnowsky, Alutiiq Tribe of Old Harbor

The Float Coat Dance

Gregory Tungwenuk Nothstine and dancers from ANTHC will perform a dance they call the "Float Coat Song", mixing a traditional boat dance with a message of life jacket safety. Greg has been working with the "Kid's Don't Float" campaign across Alaska to promote lifejacket use. The dance is a fun way to get young kids and their parents to help spread the message of youth water safety while at the same time connecting with the Kingikmiut culture.

Presenter: Gregory Nothstine, Alaska Native Tribal Health Consortium

TRACKS & SESSIONS



OUR CHANGING CLIMATE: Lupine Room

Local Environmental Observer (LEO) Update

The presentation will provide an update on the status of the LEO Network, progress over the past year, and new features for the LEO Network app. The presentation is a great overview for LEO Network members, and will enhance their understanding of and use of the network.

Presenters - Michael Brubaker, Alaska Native Tribal Health Consortium

SOLID WASTE: Aspen Room

Mentoring for Success

This session will include a presentation on Martha Turner and Becca Brado's mentoring this spring in Nome. They both attended a training at Kawerak in the Bering Straits region. They mentored under Anahma Shannon, Kawerak's environmental director, and learned how to properly backhaul and stage materials and run a regional backhaul program. This session will provide guidance for individuals who think that mentoring may be the best option for getting the experience they need to advance their solid waste program to the next level. Different avenues for funding a mentoring experience and the unique benefits that mentoring can provide will be discussed during the session.

Presenters: Martha Turner, Nulato IGAP Coordinator; Becca Brado, Interior Green Star; and Anahma Shannon, Kawerak, Inc.

AIR QUALITY & HEALTHY HOMES: Birch Room

Federal Assistance for Healthy Homes Projects

In this session, representatives from four federal programs - the EPA, Bureau of Indian Affairs (BIA), Housing and Urban Development (HUD) and U.S. Department of Agriculture (USDA) - will speak about how their agencies can help tribes and communities complete healthy homes and air quality projects. Topics will include project funding, technical assistance and examples of past collaborations with tribes. This session will be in a panel format with each participant speaking for 5-10 minutes, with 20 minutes of Q&A about different sources of funding and assistance available.

Presenters: Carma Reed, Housing and Urban Development; Dewayne Cooper, Bureau of Indian Affairs; Greg Stuckey, U.S. Department of Agriculture; and Erin McTigue, U.S. Environmental Protection Agency

TRADITIONAL KNOWLEDGE & ENVIRONMENTAL VALUES: Fireweed Room

TEK and Environmental Values - Meeting Space for Open Discussion

BROWNFIELDS: Iliamna Room

Leveraging TRP/IGAP toward the Importance of Youth Outreach

This session will address relationships with other entities and how these relationships promote success within the TRP and GAP programs. Successful events will be discussed, including youth outreach summer programs, after-school programs, and the Youth Environmental Summit. Through this presentation, an explanation of why particular environmental events were chosen to be hosted and how they relate to traditional subsistence issues and the cooperative agreements that fund them. If you are interested in facilitating a youth program in your community, this is the session for you.

Presenters: Brandie Radigan, Native Village of Gakona and Bill Hand, Native Village of Tazlina



Community Outreach in Rural Alaska: A TRP Success Story

The Yukon River Inter-Tribal Watershed Council (YRITWC) is a consortia of 54 Alaskan tribes and 19 Canadian First Nations, formed in 1997 by tribes concerned about rapid resource development, climate change, and contaminated lands affecting the ability for people to live a traditional and subsistence way of life, entirely dependent on the health of the watershed. The YRITWC has offered resources through their Brownfield Tribal Response Program for building local capacity and conducting environmental site assessments since 2005. The YRITWC continues to develop new approaches to community engagement while preserving techniques that have proven successful.
Presenters: Will Peterson and Emily Anderson, Yukon River Inter-Tribal Watershed Council

THURSDAY 8:30 AM – 9:30 AM

WATER QUALITY & SANITATION: King Salmon Room

Opportunities for Energy Efficiency in Rural Water Treatment Plants

The ANTHC Department of Environmental Health and Engineering began the Rural Energy Initiative to improve the sustainability of rural sanitation and health systems in 2010. This energy program develops a variety of renewable energy sources - including biomass, solar, wind and hydro - to reduce fuel and electricity needs. Additionally, ANTHC has developed a program to identify energy efficiency measures and implement them by providing energy improvements and training to reduce energy usage. In all, the Rural Energy Program has worked in more than 50 communities throughout the entire state to reduce dependency on diesel fuel and diesel-generated electricity. This session will cover the variety of ways ANTHC works to directly reduce energy costs, as well as the opportunities available for your community to reduce energy costs.
Presenters: Sharnel Vale and Bailey Gamble, Alaska Native Tribal Health Consortium

OUR CHANGING CLIMATE: Lupine Room

Coastal Resilience and Adaptation: Working together to go from Information to Action

The phrases “coastal resilience” and “climate adaptation” appear everywhere now—but what do they mean for communities and natural resource managers on Alaska’s coast? A large group of partners are holding workshops in four hub communities in western and Arctic Alaska to find out what it means to promote resilience (the ability to bounce back to normal after a disturbance) and adaptation (how to adjust to new conditions) in Alaska. The Aleutian Pribilof Islands Association, together with three of Alaska’s Landscape Conservation Cooperatives (LCCs), has joined numerous local partners to host workshops covering the Bering Strait, Aleutian Islands, Bristol Bay, and Kotzebue Sound. Three of these events provided materials for a related workshop focused on coastal resilience and climate adaptation planning in Southeast Alaska that took place in September 2016. Results from all four workshops, as well as a look ahead to a final workshop in Kotzebue in December 2016 will be shared. The workshops are designed to bring a mix of people from tribal and local government, state and federal agencies, scientists and local experts together to talk about the state of existing knowledge about current and anticipated environmental changes, impacts and potential responses. Workshop participants also identify gaps in available data, information and knowledge that need to be filled to help communities and managers better respond to climate change. The project will culminate in the creation of a reference “toolbox” for Alaska communities, management agencies and others to better understand the dynamic changes Alaska is experiencing, including impacts on communities and habitats, as well as tools and information that can help managers and community leaders work better together to adapt to climate change.

This panel session will feature a facilitated discussion about what organizers and previous workshop participants have learned through the project so far, as well as immediate and planned future outcomes of the hub community coastal resilience and adaptation workshops. Session attendees who have not attended the hub community workshops will be invited to share their ideas, ask questions, report on their own efforts in climate change adaptation planning or other activities that contribute to promoting resilience and adaptation in Alaska.

Presenter: Karen Pletnikoff, Aleutian Pribilof Islands Association

TRACKS & SESSIONS



SOLID WASTE: Aspen Room

Alaska Landfill Fires: A Threat to Your Village, Your Home and Your Health

Escaped dump fires occur across Alaska each year. Just this year, reported escaped dump fires occurred in four communities. These are human-caused fires that impact your village, your home and your health. Come learn about the problem, possible solutions and future actions by agencies.

Presenter: Rebecca Colvin, Alaska Department of Environmental Conservation and a representative of Bureau of Land Management and Division of Forestry

AIR QUALITY & HEALTHY HOMES: Birch Room

Tips for Managing Road Dust: Help Your Community Breathe Easier

Road dust is an issue in almost every community in Alaska. Join us to learn ways to effectively manage the dust and help residents breathe easier. Learn where you can find outreach materials, strategies you can implement right now at low or no cost, lessons learned from road improvements, and use of dust suppressants (palliative products). Also, learn what kinds of activities are fundable by IGAP and where you can find technical assistance and other funding.

Presenters: John Clark, Alaska Department of Environmental Conservation and David Barnes, University of Alaska Fairbanks

TRADITIONAL KNOWLEDGE & ENVIRONMENTAL VALUES: Fireweed Room

Timeless Treasures – Stories for Future Generations (Part 1 of 2)

We respectfully invite all elders who are attending the conference, as well as family and friends living in the Anchorage area, to participate in this open forum talking circle. Please bring a good story or memory to share.

Alaska Native people have been stewards of the land for centuries. Our oral history and traditional values have guided our spiritual development and have assisted us in overcoming obstacles during times of change. Join us as we learn from and draw inspiration from the treasured wisdom and stories of our elders as we move forward into the future. This will be the first half of a two-part session.

Facilitators: MaryAnn Porter, Yakutat Tlingit Tribe and Desirae Roehl, Alaska Native Tribal Health Consortium

BROWNFIELDS: Iliamna Room

Strategies for Securing and Implementing State & Federal Grants

Join Stantec and Matanuska-Susitna Borough (MSB) for this informational session about strategies for securing and implementing grant funding. The presentation will highlight agency and site eligibility requirements unique to Alaskan communities as well as strategies for positioning your community for success, preparing winning grant applications, leveraging resources, promoting infill development through brownfields revitalization, and managing grants effectively. Learn about the types of EPA Brownfield Grants and other federal and state funding available to Alaska communities and hear from MSB as their environmental planner shares her experience pursuing grant funding, selecting the right consultant for the job, and developing a successful work plan.

Presenters: Chris Gdak and Meredith Noble, Stantec; and Frankie Barber, Matanuska-Susitna Borough



THURSDAY 9:40 AM – 10:40 AM

WATER QUALITY & SANITATION: King Salmon Room

The Indigenous Observation Network: Community-Based Water Quality Monitoring in the Yukon River Basin

Communities of the Yukon River Basin across Alaska and Canada have participated in the Indigenous Observation Network (ION) water quality monitoring project since 2006. This project is supported by the YRITWC, the USGS National Research Program, USGS Alaska Climate Science Center and local environmental technicians. This presentation will discuss the scientific data that has been gathered through this network and will share insights about the overall health of the watershed, as well as provides update on new projects outcomes.

Presenter: Edda Mutter, Yukon River Inter-Tribal Watershed Council

OUR CHANGING CLIMATE: Lupine Room

Applied Research: Understanding Impacts on Fisheries Resources

Alaska Pacific University has been actively studying the changes occurring in bottom and shellfish in Kachemak Bay. This session explores opportunities to work with researchers in understanding subsistence and commercial resource challenges.

Presenter: Brad Harris, Alaska Pacific University

SOLID WASTE: Aspen Room

Building Small Community Resilience in the Face of Climate Change

NOAA National Weather Service and state emergency management personnel will discuss the most recent information about climate change and its expected effects on natural disasters in Alaska; expected impacts to communities, people and their infrastructure; and how communities can become resilient to the effects of climate change through emergency response planning.

Presenter: Ann Gravier, Division of Homeland Security and Emergency Management

AIR QUALITY & HEALTHY HOMES: Birch Room

Alaska Tribal Air Talking Circle and National Tribal Air Association Updates

Please join this session to hear from Brian Holter, Jr., the leader of the Alaska Tribal Air Workgroup and the Alaska representative on the National Tribal Air Association (NTAA), about important air quality work happening at the national level. Learn more about NTAA, the benefits of joining, and have a roundtable discussion about the air quality priorities, needs, projects and successes in your community. All are welcome.

Presenter: Brian Holter, Jr., Klawock Cooperative Association

TRADITIONAL KNOWLEDGE & ENVIRONMENTAL VALUES: Fireweed Room

Timeless Treasures – Stories for Future Generations (Part 2 of 2)

We respectfully invite all elders who are attending the conference, as well as family and friends living in the Anchorage area, to participate in this open forum talking circle. Please bring a good story or memory to share.

Alaska Native people have been stewards of the land for centuries. Our oral history and traditional values have guided our spiritual development and have assisted us in overcoming obstacles during times of change. Join us as we learn from and draw inspiration from the treasured wisdom and stories of our elders as we move forward into the future. This will be the second half of a two-part session

TRACKS & SESSIONS

Facilitators: MaryAnn Porter, Yakutat Tlingit Tribe and Desirae Roehl, Alaska Native Tribal Health Consortium

BROWNFIELDS: Iliamna Room

Engaging Congress & Agencies: A Legislative Update on ANCSA Contaminated Lands

The federal government conveyed contaminated land to Alaska Native corporations (ANCs) in return for the extinguishment of certain aboriginal rights to land. Under federal and state law, ANCs face potential legal exposure for the remediation of those lands. Some of those contaminated lands pose significant health risk to humans, animals and the environment and are near Native villages, community drinking water sources, and important traditional cultural and subsistence locations. In recent years, a coalition of Alaska Native advocates have been advocating for federal agencies to prioritize the cleanup contaminated ANCSA lands and for Congress to consider legislation to further address cleanup efforts and ANCSA sites that are permanently contaminated. This session will provide an update on those agency and congressional outreach efforts and discuss next steps.

Presenters: Sarah Lukin and Brennan Cain, PT Capital

THURSDAY 11:00 AM – 12:00 PM

IGAP HOUR – FY2018 Notice of IGAP Funding Availability

Room: King Salmon

Presenters: Cathy Villa, U.S. Environmental Protection Agency

Room: Lupine

Presenters: Mahri Lowinger, U.S. Environmental Protection Agency

Room: Aspen

Presenter: Santina Gay, U.S. Environmental Protection Agency

Room: Birch

Presenter: Sherry Kimmons, U.S. Environmental Protection Agency

Room: Fireweed

Presenters: Michelle Davis and Neverly Shoemake, U.S. Environmental Protection Agency

Room: Iliamna

Presenter: TBA, EPA

THURSDAY 1:30 PM – 2:30 PM

WATER QUALITY & SANITATION: King Salmon Room

Disaster Recovery in Tribal Communities

Presenter: Michael Roberts, Alaska Native Tribal Health Consortium

OUR CHANGING CLIMATE: Lupine Room

Climate Related Impacts on Wildlife Availability in Rural Alaska: The Importance of Access

Amplified climate change in the Arctic has altered interactions between humans and wildlife. These shifting interactions warrant analysis because they can influence traditional practices and food security of northern societies. We collaborated with four rural communities in Alaska and conducted interviews with 71 experienced hunters to identify local perceptions of climate-driven trends in the environment, and describe the effects of those trends on the availability (i.e., abundance, distribution, accessibility)



of wildlife. Hunters identified 47 important relationships between climate-driven changes in the environment and availability of wildlife. Of those relationships, 60 percent, 28 percent, and 13 percent focused on changes in accessibility, seasonal distribution and abundance, respectively. Climate change over the last 30 years was perceived to have had an equal mix of positive and negative impacts on distribution and abundance of wildlife. However, nearly all changes in access were perceived to be negative findings suggest more research is needed to characterize the biophysical changes influencing hunter access, estimate the extent of access-altering disturbances occurring across space and time, and quantify the consequences on hunting opportunities. We have begun addressing these research needs using a combination of citizen science, ecosystem assessments and remote sensing.

Presenter: Todd Brinkman, University of Alaska Fairbanks

SOLID WASTE: Aspen Room

Equipment and Fleet Maintenance - How to Fix It and Keep It Going in Rural Alaska

This session will describe how to maintain, fix and keep equipment going in rural Alaska. Jay Stackhouse has been keeping the fleet running in Fort Yukon for the public works department. As one of the best heavy equipment operators in Fort Yukon, Jay makes sure he keeps a 15-plus fleet maintained and fixed up. Ted Jacobson managed the landfill in Ketchikan for 20 years and was a heavy equipment operator. He also has provided assistance to rural Alaska for the EPA for many years, helping with used equipment evaluation and maintenance.

Presenters: Ted Jacobson, RurAL CAP; Jay Stackhouse, Fort Yukon Public Works Director

AIR QUALITY & HEALTHY HOMES: Birch Room

How to Protect Your Health from Dangerous Wildfire Smoke (video & interactive discussion)

Wildfire smoke is a mix of gases and fine particles that can make anyone sick, especially older adults, pregnant women, children, and people with preexisting respiratory and heart conditions. Join us to learn what you and your community can do to protect your health in a smoky situation. This session features the latest video filmed in Aleknagik on how to gauge the severity of air pollution from wildfires and practical steps individuals and the community can take to reduce exposure to the harmful effects of wildfire smoke. You'll also find out how to use the video to conduct outreach as part of your tribal environmental program.

Presenters: Susan Flensburg, Bristol Bay Native Association; Tina Tinker, Aleknagik Traditional Council

TRADITIONAL KNOWLEDGE & ENVIRONMENTAL VALUES: Fireweed Room

Traditional Wellness

During this session we will discuss traditional concepts of health and wellness and how we can implement them in our modern lives.

Presenter: Meda DeWitt, TH, Haa Jooni

BROWNFIELDS: Iliamna Room

Working Effectively with Your Municipality: Using Codes as an Outreach Tool

A panel of representatives from rural Alaska will discuss their experiences working with local municipalities to develop and revise codes and ordinances that protect the land, water and environment. This session will also include a roundtable discussion on how codes can be used in villages as an outreach tool.

Presenter: Roberta Tohannie, Institute for Tribal Environmental Professionals Coordinator

TRACKS & SESSIONS



THURSDAY 2:40 PM – 3:40 PM

WATER QUALITY & SANITATION: King Salmon Room

Update on Water Quality Standards and Human Health Criteria

The Department of Environmental Conservation (DEC), Division of Water is revising its human health criteria to prevent contamination in fish at levels that would harm people who eat large amounts of fish. DEC plans to review and increase the estimated fish consumption rate for Alaska that is used to calculate human health criteria. This session will discuss how fish consumption rates are measured, how safe levels of contamination are determined and what DEC is hearing from tribes and other stakeholders. The presentation will also give an update on recent actions and next steps DEC will be taking to complete these revisions to water quality standards.

Presenter: Brock Tabor, Alaska Department of Environmental Conservation

OUR CHANGING CLIMATE: Lupine Room

Climate Change: Changes in the Way We Build Sanitation Infrastructure

Much of rural Alaska is experiencing a changing environment related to a warming Arctic. Much of these changes are reflected in the warmer seasons and the amounts and form of precipitation. There are increasingly obvious changes in the natural environment. With those changes there are also changes in the built environment. Roads are unstable, building foundations are compromised, barge landings and fuel delivery points are being lost to both erosion and sedimentation, lack of sea ice allows fall flooding and storm surge to threaten coastal infrastructure, and snow loads are increasingly stressing roof structures. Water and sewer is experiencing its share of threats from the changing environment. Traditional engineering of water and sewer systems will be challenged by these changing conditions.

The Alaska Rural Utility Consortium (ARUC) is a group of 29 communities from around the state that have entrusted ANTHC to operate and maintain their water and sewer utilities. This consortia of Arctic and sub-Arctic systems is a natural laboratory for ANTHC Division of Environmental Health and Engineering to discover the problems that are emerging for sanitation systems in a warming environment. ANTHC has had to address through innovative engineering and operating methodologies the changing Arctic conditions to keep these systems working and affordable to the customers.

The purpose of the presentation is to share the lessons learned by ARUC. The presentation will examine the changing conditions that are challenging traditional water and wastewater engineering and share some of the ways that ARUC has adapted traditional approaches.

Presenter: Mike Black, Alaska Native Tribal Health Consortium

SOLID WASTE: Aspen Room

Alaska Solid Waste Workgroup Meeting

The Alaska Solid Waste Workgroup is an ad hoc, open member group of all entities that provide statewide or regional solid waste assistance. Meetings are held during major conferences for the purpose of exchanging project information, avoiding duplication and waste of effort, sharing funding opportunities, and discussing needs and strategies in moving rural Alaska solid waste conditions forward. Anyone is invited to attend and share information at this workgroup meeting, however solid waste service providers will be invited to talk first so that any urgent or important information can be shared. Through USDA Rural Development, Zender Environmental is able to help organize this meeting and compile notes. The particular topic for this meeting is sharing backhaul efforts across the state.

Organizer: The Alaska Solid Waste Workgroup

New Solid Waste Costing Tool for Alaska Native Villages

Zender Environmental Group will provide a brief introduction to their training session the following day.

Come learn how to use the new Alaska tribal solid waste costing tool, which will help with all aspects of solid waste budgeting, including developing an annual operation and maintenance budget. Learning to use the tool will also help with solid waste planning and grants and loan applications. The tool is in the form of a guide and everyone present will receive a copy.

Presenter: Zender Environmental Group

AIR QUALITY & HEALTHY HOMES: Birch Room

Indoor Air Quality Success Stories: How Alaska Tribes are using the Air Matters Toolkits to Inform and Empower Their Communities

This session features insights and lessons learned from a growing number of Alaska tribes that have used the Air Matters Toolkit program in their communities. A panel of tribes will share their successes and challenges as they funded, promoted and distributed the toolkits. We will also hear about new approaches for the toolkits emerging in tribal and local communities in the Lower 48, including their use in weatherization programs, well-child programs, and health care settings. For those not familiar with the program, our session will conclude with a hands-on introduction to the Air Matters Toolkits, made up of cue cards and 10 instruments that residents use to monitor, reduce and prevent indoor air hazards. Sample work plan language will be shared that other tribes have used to put the Air Matters program into their activities. (Invited: Chalkyitsik Village, Klawock Cooperative Association, Anvik Tribal Council, Chickaloon Tribe, Napakiak Tribe, Pedro Bay, Cordova, Andreafski/St. Mary's, Bristol Bay Area Health Corporation, and the Orutsaramiut Native Council)

Presenter: Aileen Gagney, Tribal Healthy Homes Network

TRADITIONAL KNOWLEDGE & ENVIRONMENTAL VALUES: Fireweed Room

Using Alaskan Plants for Healing - Salve Making

Join us to learn about the healing properties of Alaska's traditional plants. We will discuss identification and harvesting and provide a hands-on demonstration of making a healing salve.

Presenters: Dr. Gary Ferguson, Alaska Native Tribal Health Consortium

BROWNFIELDS: Iliamna Room

State of Alaska Regulations and Public Outreach Updates

The Alaska Department of Environmental Conservation (ADEC), through its Contaminated Sites Program (CSP) oversees the investigation and cleanup of contaminated sites. CSP also updates the site cleanup rules through proposed changes to Alaska regulations that govern the cleanup process. Those responsibilities require effective communication with affected stakeholders. This presentation will provide information about recent and future regulation updates as well as outreach initiatives designed to improve the effectiveness and efficiency of how CSP and ADEC communicates with the public.

Presenters: Kevin Gardner and Tim Hoffman, Alaska Department of Environmental Conservation

TECHNICAL TRAINING SESSIONS



Monday 8:00 AM - 5:00 PM

Freon Removal Certification – Hosted by the Yukon River Inter-Tribal Watershed Council Training will be composed of classroom and hands-on training for refrigerant recovery. Monday is an all-day training at the Hilton that includes information and testing for EPA Section 608 Type 1 certification for prospective refrigerant technicians. Friday is a half-day hands-on refrigerant recovery training at the Total Reclaim facility. Limited transportation spots are available to and from the Hilton. Transportation logistics will be finalized on Monday for the hands-on sessions on Friday. Class is limited to 20 individuals. Participants must participate both days to be eligible for certification.

Trainer: Reilly Kosinski, Total Reclaim
Location: Iliamna Room

Monday 8:00 AM - 5:00 PM

Introduction to GAP Management
Gain tools and knowledge to more effectively build your IGAP program. Participants will learn more about what IGAP is; the pieces of an IGAP application; managing the IGAP program and more. This is a great workshop for new environmental program staff and tribal administration.

Trainer: Desirae Roehl & Oxcenia O'domin, Alaska Native Tribal Health Consortium
Location: King Salmon Room

Monday 8:00 AM - 12:00 PM

Community Engagement
Organizing is leadership that enables people to turn the resources they have into the resource they want. There are five

key leadership practices within the type of organizing this workshop presents. This workshop will walk through the foundation of successful organizing and explore the ways that organizing in the snowflake model can add capacity to organizing efforts and enable others to achieve a shared purpose.

Trainer: Kristen Collins, Alaska Center
Location: Birch Room

Monday 1:00 PM - 5:00 PM

Developing Tribal/Village Environmental Laws and Codes
Tribes often need to develop their own environmental laws, codes and ordinances. This may be because there are environmental problems and issues that are not regulated by the U.S. EPA or the state on tribal lands, there are environmental areas where the tribe or village may want to implement more stringent standards or rules, or local compliance and enforcement may be more effective. This training session will address methods and options for development of tribal environmental codes by environmental staff and the process for the development of such codes to meet local needs.

Trainer: Mickey Hartnett, Envirofields & Kansas State University
Location: Birch Room

Monday 1:00 PM - 5:00 PM

Rural Alaska Landfill Administrator/Operator Refresher (RALA)
Rural Alaska Landfill Administrator/Operator refresher (RALA) training is focused on the operations of the Landfill program for the Tribal Administrator. This training focuses on

the role of the administrator/tribal council in managing the operations of the solid waste program for the community and protecting human and environmental health. This includes approving trainings, arranging removal of harmful wastes and maintaining a facility and equipment maintenance program, keeping required paperwork, and public/worker safety program. This also covers an overview of how a landfill works and the different issues faced with proper operations practices. We will discuss different funding options and cost saving operations to make the program as self-sustaining as possible.

Trainer: Ted Jacobson, U.S. Environmental Protection Agency SEE Program, Doug Huntman, AK Forum on the Environment
Location: Aspen Room

Friday 8:00 AM - 5:00 PM

Water Quality Monitoring Workshop

The water quality training will allow participants to learn and/or extend their knowledge in water quality and water sampling methods important to developing a community based monitoring program. This workshop focuses on the usage of water quality monitoring method development (i.e., QAAP); hands-on training on how to use water quality instruments; simple step-by-step to measure physical, chemical, and biological parameters of water quality; and the interpretation of quality data water. No knowledge or skills in water quality testing methods is required for this training.

Trainer: Edda Mutter, Yukon River Inter-Tribal Watershed Council
Location: King Salmon Room

Friday 8:00 AM - 12:00 PM

Indoor Air Quality: Essential Principles and Practical Approaches

In this workshop, participants will gain an in-depth understanding of indoor air quality hazards and discover the practical approaches to controlling those hazards. With a focus on the indoor air quality risks specific to many Alaska homes, the workshop will cover:

- Track I - The Essential Principles: What Are the Indoor Air Quality Hazards and How Do They Impact Our Health?
- Track II - The Key Risks: 1) Moisture, Ventilation and Microbial Contamination, 2) Chemicals, VOCs and Gases (Including Radon), and 3) Woodsmoke and Home Heating Fuels
- Track III - The Practical Approaches: 1) Evidence-Based Best Practices, 2) Sample IGAP Workplan Language, 3) Potential Grants and Funding Sources for Your IAQ Work

Participants who attend all three tracks, and who participate in a post-workshop planning call with the instructors, will receive a certificate of workshop completion.

Trainer: Aileen Gagney, Tribal Healthy Homes Network
Location: Lupine Room

Friday 8:00 AM - 12:00 PM

Contaminated ANCSA Lands, Implications: Your Solutions

This training session will present unique situations of ANCSA corporations as related to contaminated lands and identify practical solutions to this problem from attendees. Discussion will include how the ANCSA corporations came to be, what ANCSA

TECHNICAL TRAINING SESSIONS

means for the land, what “tribal” lands are, cleanup issues related to “tribal” land, what’s the reality, and the changes on the horizon.

Trainer: Larry Lau, Tantikil Unlimited, Inc.
Location: Iliamna Room

Friday 8:00 AM - 12:00 PM and 1:00 PM – 2:00 PM

Hazardous Materials Transportation Workshop: Get Your Questions Answered
Come and learn what you are required to know about DOT’s regulations. DOT will go over how to navigate their regulations so you can figure out how to properly and safely handle, package, placard and manifest your backhaul and recycling materials. If you have ever been puzzled by how to package something, how to correctly label it, or how to fill out a manifest for transportation via air, rail, water, or land, this is a great training opportunity for you. These one-day workshops provide a basic overview of how to use the HMR (Hazardous Materials Regulations; 49 CFR Parts 171-180) and a summary of many of the requirements found in the HMR for shipping and transporting hazardous materials, which can affect transportation safety including training requirements, packaging, hazard communications, and security. For anyone who fills, marks, labels, placards, creates shipping documents, offers, transports or manufactures packaging for hazardous materials in commerce. Persons that have a desire to learn more about U.S. DOT’s HMR are encouraged to attend.

Trainer: Neal Suchak, DOT Transportation Regulatory Specialist
Location: Fireweed Room

Friday 1:00 PM - 3:00 PM

Tools You Can Use: What’s New, Innovative and Useful in IAQ Instruments?

Whether you are highly experienced or new to the field of indoor air quality (IAQ), one thing is sure: You recognize the need for tools that will help you do your job. Yet instruments can be expensive, difficult to use, require special training, or use outdated technology. In this workshop, we will tackle these challenges by sharing the newest technologies in IAQ instruments and reviewing price, data quality and possible applications for these tools in your community. We will look at everything from the standard tools, such as moisture meters, handheld CO detectors, and home radon-detection kits, to the new and innovative tools. Included in this are the thermal imaging cameras that plug directly into your smartphone and translate thermal energy into a visible image on your phone. These devices can detect energy loss, missing insulation, show water damage and moisture or cold-air intrusion. Personal environmental monitors (PEMs) will also be covered. PEMs are small, handheld, low-cost instruments that are increasingly used in measuring both indoor and ambient air quality and can measure fine particles and even volatile organic compounds.

Trainer: Aileen Gagney, Tribal Healthy Homes Network
Location: Lupine Room

Friday 1:00 PM - 5:00 PM

US EPA Brownfield Tribal Response Program Coordinators
Current U.S. EPA Brownfield Alaska Tribal Response program coordinators will meet

with R10 EPA Brownfield project officers to review their FY17 STRP 128(a) workplan/fund requests and best management practices for their programs.

R10 EPA Brownfield Project Officers: Susan Morales, Terri Griffith, Veronica Henzi, Robert Tan, Brandon Perkins and Mary Goolie
Location: Iliamna Room

Friday 1:00 PM - 5:00 PM

Building Community and Financial Sustainability through Rural Utilities
Whether you are highly experienced or brand new to the field of indoor air quality, one thing is sure: you recognize the need for tools that will help you do your job. Yet instruments can be expensive, difficult to use, require special training, or use outdated technology. In this workshop, we will tackle these challenges by sharing the newest technologies in IAQ instruments and reviewing price, data quality and possible applications for these tools in your community. We will look at everything from the standard tools, such as moisture meters, handheld CO detectors, and home radon-detection kits, to the new and innovative tools. Included in this are the thermal imaging cameras that plug directly into your smartphone and translate thermal energy into a visible image on your phone. These devices can detect energy loss, missing insulation, show water damage and moisture or cold-air intrusion. Personal Environmental Monitors (PEMs) will also be covered, which are small, handheld, low-cost instruments that are increasingly used in measuring both indoor and ambient air quality and can measure fine particles and even volatile organic compounds.

Trainer: Lynn Kenealy, Rural Utility Business Advisors (RUBA), DCRA, DCCED, SOA
Location: Birch Room

Friday 2:00 PM - 5:00 PM

A New and Easy Way to Make a Budget for Your Solid Waste Program
Come learn how to use the new Alaska Tribal solid waste costing tool. The tool will guide you through an annual operation and maintenance budget. Learning to use the tool will help with solid waste planning and grant and loan applications. Do you want to know how many hours you should budget for your operator or waste collector? What about your solid waste time, and what about wages, fuel, and insurance? The answers are contained in this new easy-to-use guide and we will show you how to use it. The tool is in the form of a guide and everyone present will receive a copy. AND. We promise a fun session.

Trainer: Zender Group
Location: Fireweed Room

Friday 8:00 AM – 12:00PM (Group 1) and 1:00PM – 5:00 PM (Group 2)

Freon Removal Certification – Hosted by the Yukon River Inter-Tribal Watershed Council
This is the second half of the freon removal certification class that started on Monday.

Trainer: Reilly Kosinski, Total Reclaim
Location: Total Reclaim – Registered groups meet in hotel lobby for transport

ATCEM COMMITTEE

PLANNING COMMITTEE MEMBERS

Track: Brownfields – Repurpose, Redevelopment, and Revitalization

Joy Britt,
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Track Lead
Will Peterson,
Yukon River Intertribal Watershed Council
Holly Reimer,
Alaska Native Tribal Health Consortium
Amy Rodman,
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Track: Our Changing Climate

Mary Mullan,
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Mike Brubaker,
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Track: Solid Waste Management – Reduce, Reuse, Recycle

Trisha Bower,
Alaska Department of Environmental Conservation
Track Lead
Al Ashley,
Eagle Village Council
Rebecca Colvin,
Alaska Department of Environmental Conservation
Ted Jacobson,
RurAL CAP
Patricia Salmon,
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Kawerak, Inc.
Lynn Zender,
Zender Environmental
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Alaska Native Tribal Health Consortium
Oxcenia O’Domin,
Alaska Native Tribal Health Consortium

Track: Traditional Ecological Knowledge and Environmental Values

Desirae Roehl,
Alaska Native Tribal Health Consortium
Track Lead
Serena Fitka,
ANTHC
Gina McKindy,
McGrath Traditional Council
MaryAnn Porter,
Yakutat Tlingit Tribe
Mike Williams,
Akiak
Oxcenia O’Domin,
Alaska Native Tribal Health Consortium

Track: Tribal Air Quality and Healthy Homes

Bailey Richards,
Alaska Native Tribal Health Consortium/
AmeriCORPS VISTA
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Erin McTigue,
U.S. Environmental Protection Agency
AJ Salkoski,
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Mary Schneider,
Alaska Native Tribal Health Consortium

Track: Capacity/Management & Technical Training Track

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Track Lead
Desirae Roehl,
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Serena Fitka,
Alaska Native Tribal Health Consortium
Ted Jacobson,
RurAL CAP

Track: Water Quality and Sanitation

James Temte,
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Brian Berube,
Alaska Native Tribal Health Consortium
George Goodwin,
Alaska Native Tribal Health Consortium/
Center for Disease Control
Bailey Gambel,
Alaska Native Tribal Health Consortium /
AmeriCORPS VISTA



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Benefits

Diana Charles

Serena Fitka

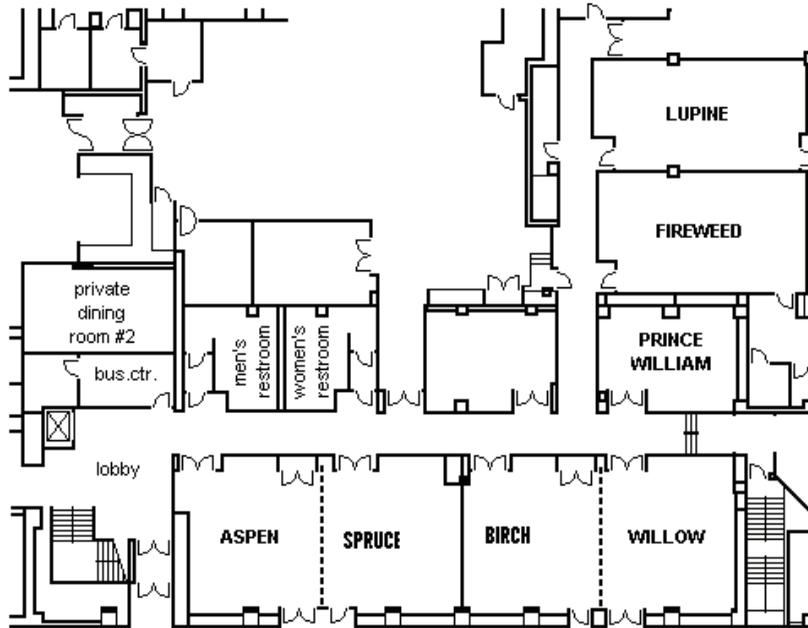
Ann Wyatt

Sharon Brandell

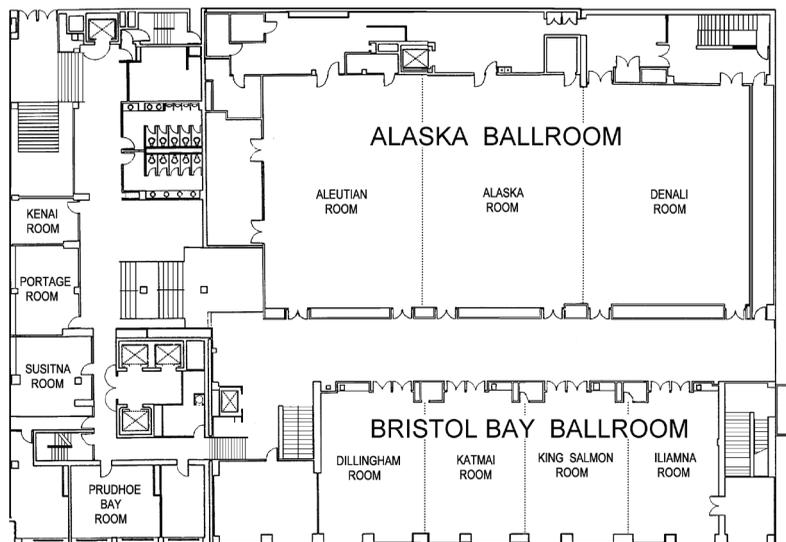
MAPS



HILTON ANCHORAGE - MAIN LEVEL



HILTON ANCHORAGE - SECOND FLOOR

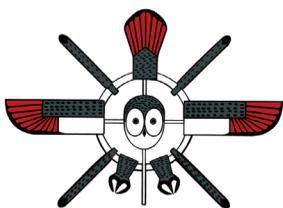
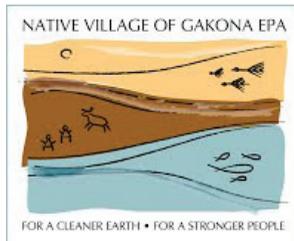




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