

WAISC 2016 Draft Agenda

All events at UAF Bristol Bay Campus unless otherwise stated

Wednesday, March 9, 2016			
9:00am-12:00pm	SouthWest Interagency Meeting (SWIM)		
12:00 – 1:00pm	Lunch		
1:00pm – 5:00pm	SouthWest Interagency Meeting (SWIM)		
5:00pm – 6:00pm	Check-In and Registration		
6:00 – 9:00 pm	Social Reception – Sea Inn (\$20 ticket)		
Thursday, March 10, 2016			
7:30 – 9:00 am	Registration & Coffee		
9:00 – 9:30 am	Opening Ceremonies (Room 128): Dr. Debi McLean , Campus Director, UAF Bristol Bay Campus Alice Ruby , Mayor of Dillingham Ralph Andersen , BBNA Chief Executive Officer		
Plenary Session 1 9:30 – 10:00 am	Dr. Milo Adkison , Professor, School of Fisheries & Ocean Sciences, UAF <i>Additional information from genetic samples in a mixed stock fishery</i>		
10:00 – 10:20 am	Break		
Concurrent Sessions			
	<i>Fisheries</i> <i>(Gabe Dunham/Mark Lisac-128)</i>	<i>Sustainable Energy</i> <i>(Tom Marsik – SL)</i>	<i>Rural Solid Waste</i> <i>(Ted Jacobson-AS)</i>
10:20 – 10:40 am	<i>Expanding the Nushagak River Chinook escapement index: a comparison of two methods</i> Greg Buck	<i>Feasibility of Using Only Human-Powered Electricity</i> Andrew Akelkok	<i>Fish Waste Composting for Improved Nushagak Watershed Environment (Nushagak Fish Waste Compost Project)</i> Gabe Dunham
10:40 – 11:00 am	<i>Predicting Sockeye Salmon (Oncorhynchus nerka) hatch timing by incorporating natural variability into an existing model</i> Morgan Sparks	<i>Energy Efficiency vs. Renewable Energy – Data Analysis and Economics</i> Tom Marsik	<i>Legality versus Reality</i> Ted Jacobson
11:00 – 11:20 am	<i>The Effects of Salmon Abundance and Run Timing on the Performance of Management by Emergency Order</i>	<i>Empowering Alaskans with Energy Literacy</i>	<i>Feasibility of glass recycling vs. depositing in landfill in Dillingham, AK</i> Yvonne Leutwyler

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	Milo Adkison	Katie Croft	
11:20 – 11:40 am	<i>An Interdisciplinary Examination of Sockeye Salmon Escapement Goal Policies in Bristol Bay</i> Michael Link	<i>Analysis of Deep Energy-Efficiency Upgrades to Existing Home in Rural Alaska</i> Stephen Elliott	<i>Village MSW Burning, Weather, Maintenance, Signage, Collection and Backhaul</i> Ted Jacobson
11:40 – 12:00 pm	<i>Developing a Conservation Planning Atlas for Nushagak River Village Lands</i> Tim Troll	<i>Department of Energy Arctic Strategy</i> Drew Cason	Discussion
12:00 – 1:30 pm	Lunch (on your own)		
	<i>Fisheries II</i> (Gabe Dunham/Mark Lisac-128)	<i>Green Building</i> (Jonathan Mears-SL)	<i>Rural Science Education</i> (Tara Borland-AS)
1:30 – 1:50 pm	<i>Economic Rent Dissipation and the Potential Effects of Mandated Quality Assurance in Bristol Bay</i> Gabe Dunham	<i>"Alaska-grown" Mycelium-based Biofoams for Thermal Insulation</i> Philippe Amstislavski	<i>Engaging Alaska Native People in Science – Experiences, Successes and Difficulties</i> Claudia Ihl
1:50 – 2:10 pm	<i>Hydrologic Alterations from Climate Change Inform Assessment of Ecological Risk to Pacific Salmon in Bristol Bay, Alaska</i> Christine Woll	<i>Natural Building in Alaska</i> Lasse Holmes	<i>Occupational Endorsement in Sustainable Energy</i> Tom Marsik
2:10 – 2:30 pm	<i>Where we are and where we need to be to understand regional water temperature trends: An update on the Alaska Online Aquatic Temperature Site (AKOATS) and minimum data collecting standards</i> Marcus Geist	<i>Rocket Mass Heaters in Alaska</i> Lasse Holmes	<i>Occupational Endorsements in Environmental Studies</i> Todd Radenbaugh
2:30 - 2:50 pm	Sue Flensburg	Discussion	<i>REACHing out – A rural science education partnership between UAF K12 Outreach and the Bering Strait School District</i>

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			Sally Kieper
2:50 – 3:20 pm	Break	Break	Break
	<i>Pebble Mine Update (-128)</i>	<i>Green Building II (Jonathan Mears-SL)</i>	<i>Rural Science Education II (Tara Borland-AS)</i>
3:20 – 3:40 pm		<i>Living with Nature; Living in Balance</i> Cindee Karns	<i>Alaska EPSCoR: Interdisciplinary Research and Outreach Across Alaska</i> Tom Moran
3:40 – 4:00 pm		<i>NetZero Energy Ready Home</i> Tom Marsik	<i>Cutting-edge research opportunities for rural students</i> Abel Bult-Ito
4:00 – 4:20 pm		<i>Retrofitting from Linear Fluorescents to T8 LED Lighting at UAF Bristol Bay Campus</i> Jonathan Mears	<i>The Influence of Wild Fish and Game on Human Protein Synthesis</i> Sheri Coker
4:20 – 4:40 pm		<i>Sustainable Housing Possibilities in Alaska</i> Evan Sterling	<i>A Web Enabled Environmental Database for Bristol Bay</i> Mike Knapp
4:40 – 5:00 pm		Discussion	<i>Bioeffects Assessment in Kvichak and Nushagak Bay, Alaska: Characterization of Soft Bottom Benthic Habitats, Animal Body Burdens and Contaminant Baseline</i> Todd Radenbaugh
5:00 – 5:30 pm		Poster Session	
6:00 pm – 9:00 pm (At Willow Tree)	Keynote Banquet (\$30 ticket) <ul style="list-style-type: none"> • 6:00 – 7 pm, Reception • 7 – 8 pm, Dinner • 8 – 8:30 pm, Keynote Address: Bob King • 8:30 – 9 pm, Awards Ceremony 		

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Friday, March 11, 2016			
7:30 – 9:00 am	Registration & Coffee		
Plenary Session 2 9:00 – 10:00 am	<p>Ken Belcher PhD, Department of Agricultural and Resource Economics, School of Environment and Sustainability, University of Saskatchewan; Dr. Todd Radenbaugh, Associate Professor, Environmental Science, Director, Bristol Bay Environmental Science Lab, UAF <i>Practicing Interdisciplinary Research</i></p> <p>Denise Thorsen, Associate Professor, Director, Alaska Space Grant Program, UAF <i>Alaska Space Grant and NASA EPSCoR Programs</i></p>		
10:00 – 10:20 am	Break		
	Concurrent Sessions		
	<i>Subsistence Science</i> (Ted Krieg-128)	<i>Ecosystem Health</i> (Sue Flensburg-SL)	<i>Rural Health Care</i> (Rebecca Coupchiak - AS)
10:20 – 10:40 am	<i>Chinook Salmon and the Kenai Watershed: A Look at Adaptive Changes to a Dwindling Resource</i> Hannah Johnson	<i>Arctic Microbes: Small Creatures with Large Impacts</i> Joanna Green	<i>Bed Bugs Detection, Prevention and Removal</i> Jennifer Skarada
10:40 – 11:00 am	<i>Wellness Through the Lens of Gardening, Gathering, and Grocery in Barrow, Alaska</i> Shannon Busby	<i>Water Utility Affordability Indicator for Rural Alaskan Communities</i> Barbara Johnson	Rebecca Coupchiak
11:00 – 11:20 am	<i>Methods of Plant Preservation by the Indigenous Peoples of Alaska</i> Beth Baker	<i>Climate Change Impacts on Brownfield Sites</i> CaSander Johnson	Discussion
11:20 – 11:40 am	<i>Mercury contents of traditional subsistence vegetation near Golovin, Alaska</i> Toby Anungazuk	<i>Use of remote sensing and traditional ecological knowledge to quantify the impacts of warming climates on movement and abundance of pinnipeds in the Gulf of Alaska</i> Court Pegus	
11:40 – 12:00 pm	<i>Showcasing Northwest Alaska's Subsistence Way of Life in the Wake of Rapid Climate Changes Through</i>	<i>Understanding Air Pollution Hazards in our Village: Let's Clear the Air Videos</i>	

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	<i>Film</i>		
	Sarah Betcher	Tina Tinker	
12:00 – 1:30 pm	Lunch (on your own)		
1:30 – 3:30 pm	<i>Nunaput Scholar Session: Room 145</i>		
	<i>Rural Science Panel (Pete Pinney-128)</i>	<i>Ecosystem Health II (Sue Flensburg-SL)</i>	<i>Subsistence Science II (Ted Krieg-AS)</i>
1:30 – 1:50 pm	Panel Members: Pete Pinney , CRCDD, UAF Paul Layer , CNSM, UAF Denise Thorsen , Alaska Space Grant, UAF Tina Tinker , BBNA Jodi Doster , BBC, UAF Leilani Luhrs , UAF Tara Borland , CRCDD, UAF	<i>Applying Economic Tools to Value Wetland Ecosystem Services</i> Ken Belcher	Integrating Western Science and Piciyaraq - Our Way of Life in Managing Marine Mammal Resources Helen Aderman
1:50 – 2:10 pm	Discussion	<i>Diet composition and fate of contaminants in Southeast Alaska sea otters (Enhydra lutris kenyoni)</i> Kristin Brown	<i>The Division of Subsistence - Learning by Doing!</i> Ted Krieg
2:10 – 2:30 pm		<i>Adapting a Protected Areas Assessment Tool for Northern Regions</i> Rebekah Esau	<i>Dual Management in Alaska</i> Frank Woods
2:30 – 3:00 pm		Break	Break
	<i>Rural Science Panel II (Pete Pinney-128)</i>	<i>K-12 (Deanna Baier-SL)</i>	<i>Climate Change (Todd Radenbaugh-AS)</i>
3:00 – 3:20 pm	Discussion	<i>Building STEM programs with traditional and cultural value for the youth in Bristol Bay</i> Deanna Baier	<i>Caribou Health Surveillance Project</i> Lori Gildehaus and Elizabeth Himschoot
3:20 – 3:40 pm		4-H Activities	<i>Alaska yellow-cedar's slow march north in a changing climate</i> John Krapek
3:40 – 4:00 pm			<i>Coastal Community Ocean Observers (C2O2): A network of</i>

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			<i>community-driven coastal ocean observations</i>
			Peter Winsor
4:00 – 4:20 pm	Discussion	4-H Activities	<i>Forest health monitoring in Western Alaska: Current efforts and future opportunities</i>
			Jason Moan and Paul Liedberg
4:20 – 4:40 pm			<i>Recent and upcoming activities advancing understanding & responding to climate impacts in western Alaska</i>
			Joel Reynolds
4:40 – 5:00 pm			<i>Adapting Everyday: An Undergraduate Climate Change Course for Western Alaska</i>
			Todd Radenbaugh
5:15 – 7:00 pm	<p>Green Building Tour (depart from campus) This tour showcases examples of new construction and retrofits achieving energy-efficient, healthy, environment-friendly and durable buildings. It includes the following structures:</p> <ol style="list-style-type: none"> 1) UAF BBC’s Applied Sciences Center, which is the first Leadership in Energy and Environmental Design (LEED) facility within the University of Alaska system and also the first LEED project in the Bristol Bay Region. 2) UAF BBC’s main building, which features a solar photovoltaic system, efficient lighting, controls, insulation, and other energy features. 3) UAF BBC’s Passive Office, which is an extremely energy efficient experimental structure built largely by students. 4) Marsik/Donaldson house, which is officially the most airtight residential building in the world, as recognized by the World Record Academy. 		
Saturday, March 12, 2016			
9:30 – 12:00pm	<p>Historical and Geographical Tour of Dillingham (depart from campus) More information available at the registration desk</p>		

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Meeting Locations

128=Room 128

SL=Science Lab

AS=Applied Science