

# KODIAK AREA MARINE SCIENCE SYMPOSIUM

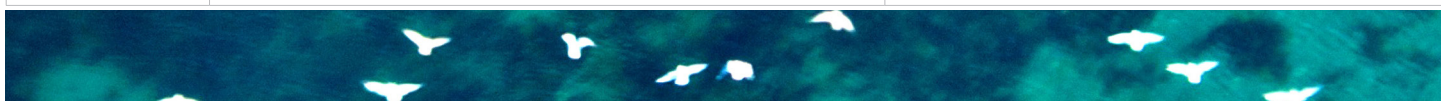
## Agenda - Kodiak Area Marine Science Symposium

### Tuesday - April 18, 2017

	<b>KAMSS Kickoff</b>	
6:00-6:30 pm	Registration	
6:30-8:30 pm	Keynote Address Seabirds, Citizen Science and a Warming World	<b>Julia Parrish</b> , University of Washington, and Coastal Observation and Seabird Survey Team, Seattle, WA

### Wednesday - April 19, 2017

8:00 am	Registration	
9:00 - 9:05 am	Welcome	
9:05 - 9:25 am	Introduction to Marine Science in Kodiak	
	<b>Session 1 - Changing Ecosystems</b> <i>Robert Foy - Session Chair</i>	
9:25 - 9:55 am	Making Sense of a Complicated Ecosystem: Gulf of Alaska Dynamics from an Integrated Perspective	<b>Olav Ormseth</b> , NOAA Fisheries, Seattle, WA
9:55 - 10:25 am	Twenty Years of Observations Along the Gulf of Alaska's Seward Line: Impact of Continued Warm Conditions	<b>Russ Hopcroft</b> , University of Alaska Fairbanks, Fairbanks, AK
10:25 - 10:45 am	<b>Break</b>	
10:45 - 11:05 am	2015 Gulf of Alaska Large Whale Unusual Mortality Event	<b>Kate Savage</b> , NOAA Fisheries Protected Resources Division, Juneau, AK
11:05 - 11:25 am	Dead Birds on Beaches, the Seabird Die-off of 2015-16: A Kodiak Perspective	<b>Robin Corcoran</b> , US Fish and Wildlife Service, Kodiak, AK
11:25 - 11:45 am	Murres, Puffins, and the Blob: How Alaska Seabird Populations May Respond to Global Warming	<b>Julia Parrish</b> , University of Washington, and Coastal Observation and Seabird Survey Team, Seattle, WA
11:45 - 12:05 pm	Current State of Knowledge of Climate Change Effects on Alaska's Fisheries	<b>Terry Johnson</b> , University of Alaska Fairbanks, Anchorage, AK
12:05 - 12:25 pm	Facilitated Q & A	
12:25 - 1:40 pm	<b>Lunch - COASST workshop</b>	<b>Julia Parrish</b> , University of Washington, and Coastal Observation and Seabird Survey Team, Seattle, WA
	<b>Session 2 - Habitat and Process</b> <i>Danielle Ringer - Session Chair</i>	
1:40 - 2:00 pm	Delineating the Footprint of Commercial Fisheries: Working Backwards to Examine Effects on Habitat	<b>John Olson</b> , NOAA Habitat Conservation Division, Anchorage, AK
2:00 - 2:20 pm	Alaska Essential Fish Habitat Research Plan 2017-2022: A Research Plan for the NOAA Fisheries	<b>Matthew Eagleton</b> , NOAA Habitat Conservation Division, Anchorage, AK
2:20 - 2:40 pm	Characterization of the Buskin River Nearshore Area: Bathymetry, Salinity, Marine Ecological Succession, and Human Use	<b>Leyla Arsan</b> , Birch Leaf Consulting, Kodiak, AK
2:40 - 3:00 pm	Underwater Archaeology in the Kodiak Archipelago and Beyond	<b>Jason Rogers</b> , Northern Land Use Research Alaska, LLC, Anchorage, AK
3:00 - 3:20 pm	<b>Break</b>	
3:20 - 3:40 pm	Kayaks and Supersacks: Marine Debris Removal on Shuyak Island	<b>Andy Schroeder</b> , Island Trails Network, Kodiak, AK



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3:40 - 4:00 pm	Socioeconomic Risks and Impacts of Military Training Events in Gulf of Alaska	<b>Christina Hendrickson</b> , Willow Environmental, Girdwood, AK
4:00 - 4:20 pm	Steller Sea Lions: A Natural Ecosystem Management System	<b>Switgard Duesterloh</b> , and <b>Jane Eisemann</b> , Tsunami Bowl Coaches, <b>Olivia Winters</b> , <b>Naomi Daniher</b> , <b>Hanna Clary</b> , <b>Matthew Wald</b> , <b>Lars Bodnar</b> , Students, Kodiak High School, Kodiak, AK
4:20 - 4:40 pm	Kodiak Youth Leaders in Science Education with Kodiak Refuge Summer Science and Salmon Camp	<b>Shelly Lawson</b> , USFWS/ Kodiak National Wildlife Refuge, Kodiak, AK, <b>Nia Pristas</b> and <b>Joshua Barnes</b> , Kodiak Refuge Youth Leaders, Kodiak, AK
4:40 - 5:00 pm	Facilitated Q & A	
5:00 - 6:30 pm	<b>Break</b>	
6:30 - 8:30 pm	<b>Poster Night with Kid's Corner (Kodiak Harbor Convention Center)</b>	

### Thursday - April 20, 2017

9:00 - 9:05 am	Welcome and Announcements	
	<b>Session 3 - Dynamic Methods</b> <i>Julie Bonney - Session Chair</i>	
9:05 - 9:25 am	The Molting Process in Golden King Crab, <i>Lithodes aequispina</i>	<b>Daniel Urban</b> , National Marine Fisheries Service, Kodiak, AK
9:25 - 9:45 am	It's Complicated: The Reproductive Biology of the Shortraker Rockfish in Alaska	<b>Christina Conrath</b> , National Marine Fisheries Service, Kodiak, AK
9:45 - 10:05 am	Zooarchaeological Analysis of Central Alaskan Fish Fauna	<b>Holly McKinney</b> , University of Alaska Fairbanks, Fairbanks, AK
10:05 - 10:25 am	Experimentally Wrangling with Fish Parasites	<b>Brian Himelbloom</b> , University of Alaska Fairbanks, Kodiak, AK
10:25 - 10:45 am	<b>Break</b>	
10:45 - 11:05 am	Chignik River Post-Weir Enumeration with DIDSON	<b>Mary Beth Loewen</b> , Alaska Department of Fish and Game, Kodiak, AK
11:05 - 11:25 am	Hunting Seals with Nets 5000 Years Ago	<b>Patrick Saltonstall</b> , Alutiiq Museum, Kodiak, AK
	<b>Session 4 - Community and Monitoring</b> <i>Theresa Peterson - Session Chair; Facilitated Discussion by Davin Holen</i>	
11:25 - 11:45 am	Building Networks to Bridge Information and Action on Alaska's Coasts	<b>Davin Holen</b> , University of Alaska Fairbanks, Anchorage, AK
11:45 - 12:05 pm	What are the "Best Practices" for Community-Based Monitoring of Alaska's Coastal and Ocean Environment?	<b>Marilyn Sigman</b> , University of Alaska Fairbanks, Anchorage, AK
12:05 - 12:25 pm	A World Bridge: Kodiak Island Borough School District project activities	<b>Mr. Searaphim McGann</b> , A World Bridge Teacher, <b>Kiae Shin</b> , <b>Daniel Johnson</b> , <b>Tiger Oka</b> , Students, Kodiak High School
12:25 - 1:40 pm	<b>Lunch/Alutiiq Museum Tour</b>	<b>Patrick Saltonstall</b> , Alutiiq Museum, Kodiak, AK
1:40 - 2:00 pm	The Coastal Community Ocean Observers (C202) program	<b>Peter Winsor</b> , University of Alaska Fairbanks, Fairbanks, AK
2:00 - 2:20 pm	Monitoring Paralytic Shellfish Toxins to Provide Sustainable Access to Traditional Resources	<b>Chris Whitehead</b> , Sitka Tribe of Alaska, Southeast Alaska Tribal Ocean Research, Sitka, AK
2:20 - 2:40 pm	Monitoring Ocean Acidification and the Sustainability of Crab Fisheries in Alaska	<b>Robert Foy</b> , National Marine Fisheries Service, Kodiak, AK
2:40 - 3:00 pm	Paralytic Shellfish Poisoning and Community Involvement: Working Toward Safe Shellfish Harvest on Kodiak Island	<b>Julie Matweyou</b> , University of Alaska Fairbanks, Kodiak, AK
3:00 - 3:20 pm	<b>Break</b>	

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3:20 - 3:40 pm	From Collection to Practical Use: Integrating and Visualizing Coastal and Marine Data	<b>Will Koeppen</b> , Axiom Data Science, Anchorage, AK
3:40 - 4:00 pm	Kodiak Tribes Seafood Consumption Assessment: Final report	<b>Thomas Lance</b> , Sun'aq Tribe of Kodiak, Kodiak, AK
4:00 - 5:00 pm	Facilitated Discussion	<b>Davin Holen</b> , University of Alaska Fairbanks, Anchorage, AK
5:00 - 6:30 pm	<b>Break</b>	
6:30 - 8:30 pm	Marine Science Reception at KSMSC <i>UAF - Kodiak Seafood and Marine Science Center (KSMSC) 118 Trident Way</i>	

### Friday - April 21, 2017

9:00 - 9:05 am	Welcome and Announcements	
	<b>Session 5 - Marine and Coastal Systems</b> <i>Switgard Duesterloh - Session Chair</i>	
9:05 - 9:25 am	Electrofishing and Kick Seining Efforts for Invasive Signal Crayfish ( <i>Pacifastacus leniusculus</i> ) on Kodiak Island, Alaska	<b>Kelly Krueger</b> , Sun'aq Tribe of Kodiak Kodiak, AK
9:25 - 9:45 am	How Many Fish are in this Barrel? Sustainably Harvesting Two Easily Caught Skate Species	<b>Thomas Farrugia</b> , University of Alaska Fairbanks, Fairbanks, AK
9:45 - 10:05 am	Kodiak National Wildlife Refuge Marine Bird Monitoring and Research	<b>Robin Corcoran</b> , US Fish and Wildlife Service, Kodiak, AK
10:05 - 10:25 am	The Next Generation of Fishermen in the Kodiak Archipelago: Exploring Dynamics Contributing to the Graying of the Fleet in Alaska's Commercial Fishing Industry	<b>Danielle Ringer</b> , University of Alaska Fairbanks, Kodiak, AK
10:25 - 10:45 am	<b>Break</b>	
10:45 - 11:05 am	An Archaeological Investigation of a 3800 Year Old Fishery in the Kodiak Archipelago	<b>Justin Hays</b> , University of Alaska Fairbanks, Kodiak, AK
11:05 - 11:25 am	How Old is That Crab? Progress on an Age Old Question	<b>April Rebert</b> , University of Alaska Fairbanks and Alaska Department of Fish and Game, Juneau, AK
11:25 - 11:45 am	Tanner Crab Population in the Kodiak District of the Westward Region	<b>Kally Spalinger</b> , Alaska Department of Fish and Game, Kodiak, AK
11:45 - 12:05 pm	A World Bridge: Kodiak Island Borough School District upcoming projects research and development	<b>Mr. Searaphim McGann</b> , A World Bridge Teacher, <b>Kiae Shin, Student, Daniel Johnson, Student, Tiger Oka</b> , Students, Kodiak High School
12:05 - 12:25 pm	Recent Chemical Dispersant Research and Policy Changes in the Exxon Valdez Oil Spill Region	<b>Lisa Matlock</b> , Prince William Sound Regional Citizens' Advisory Council, Cordova, AK
12:25 - 12:45 pm	How Does Release Density Affect Enhancement Success for Hatchery-Reared Red King Crab?	<b>Christopher Long</b> , National Marine Fisheries Service, Kodiak, AK
12:45	<b>Closing Comments</b>	

### Saturday - April 22, 2017

#### Partnered Field Trips

##### Audobon Whale-watching Hike - Narrow Cape

Stacy Studebaker with the Kodiak Audubon will lead a whale-watching hike at Narrow Cape. The group will organize from the downtown ferry terminal parking lot. Arrive BEFORE 09:30 Saturday morning (the group will depart at 09:30). Wear warm clothes, hiking shoes, and bring rain gear, food for lunch and drinking water. There are no amenities at the end of the road. Some car-pooling will be available for the out-of-towners. If the weather is bad, the event will be canceled.

##### Sun'aq Tribe Buskin Beach Cleanup and Barbeque

Meet at Buskin Beach Parking Lot and check in at 4:45 pm. Bring a pair of gloves and food to grill. Volunteers can assist with a marine debris survey or help cleanup Buskin Beach. Afterwards, join us for a barbeque and bonfire to celebrate Earth Day 2017. (Day use parking fee will be waived for this event.)

## Workshops and Tours

### **COASST Beached Bird Die-Off Alert Training** - Wednesday, April 19, 2017 - 12:25 - 1:40 pm

A warming ocean is creating many changes in coastal communities in Alaska. Documenting the impacts on marine wildlife is one way communities can bear witness. Based on the recent die-off events, the COASST Program and BeringWatch worked together to create a simple and rigorous data collection program that will allow coastal communities to document marine bird die-off events. Volunteers need NO experience with birds, just a commitment to survey a specific beach as much as possible during any die-off event, a camera, and the ability to upload photos and simple data sheets to the internet.

### **Alutiiq Museum Tour** - Thursday, April 20, 2017 12:25 - 1:40 pm

The Alutiiq Museum welcomes you for a special lunch time visit to our gallery. Founded in 1995 the Museum has held fast to its mission, to preserve and share Alutiiq culture and heritage. Today the Museum cares for more than 250,000 objects representing all eras of Alutiiq history; from ancient traditions to the present. Explore current exhibits on kayaking, wild foods, graphic arts, and more. Join us for a free gallery tour led by Patrick Saltonstall. Refreshments will be provided. 215 Mission Road, Kodiak, AK.

## Posters - Kodiak Harbor Convention Center

Implementation of Community Based PSP Testing for Subsistence and Recreational Shellfish Harvesting In Southwestern Alaska – A Project Description	<b>Julie Matweyou</b> , University of Alaska Fairbanks, Kodiak, AK
Climate change and Ocean Acidification: A Middle School Tutorial	<b>Switgard Duesterioh</b> , Alaska Ecological Resource Services, Kodiak, AK
Intertidal and Subtidal Colonization of New Rock at the Kodiak Airport	<b>Leyla Arsan</b> , Birch Leaf Consulting, Kodiak, AK
SASAP - State of Alaska's Salmon and People	<b>Ian Dutton</b> , Nautilus Impact Investing, Anchorage, AK
Ongoing Investigation of the Size and Scope of the 2015/2016 Die-Off of Common Murres in Alaska	<b>Sarah Schoen</b> , US Geological Survey, Alaska Science Center, Anchorage, AK
Tufted Puffins Succeed Despite High Variability in Diet and Marine Habitat	<b>Sarah Schoen</b> , US Geological Survey, Alaska Science Center, Anchorage, AK
Food, Disease, and Migration: How Emperor Geese Fare in the Kodiak Archipelago	<b>Brian Uher-Koch</b> , US Geological Survey, Alaska Science Center, Anchorage, AK
Marine Mammal Monitoring in the Offshore Waters Near Kodiak Alaska under U.S. Navy Funding 2009-2015	<b>Andrea Balla-Holden</b> , U.S. Navy, Bremerton WA
Hunting Seals by Kashevaroff Mountain	<b>Molly Odell</b> , Alutiiq Museum and Archaeological Repository, Kodiak, AK
The Seven Principles of Sustainability	<b>Lori Swanson</b> , Marine Conservation Alliance, Kodiak, AK

