

**2021 Kachemak Bay Science Conference**  
 March 15-18, 2021: Daily Agenda

<b>Monday, March 15</b>				
<i>Time</i>	<i>Session</i>	<i>Title</i>	<i>Speaker</i>	<i>Affiliation</i>
8:30 -9:00	Check the Film Fest for Daily Spotlight!			
9:00–11:00	<b>Science Session: Special Topic Harmful Algal Blooms (HABs)</b>			
<b>PRE Recorded Talks</b>				
	Harmful Algal Blooms (HABs)	Harmful Species Program Specialist	Jasmine Maurer	Kachemak Bay National Estuarine Research Reserve (KBNERR)
	Harmful Algal Blooms (HABs)	<a href="#">The Chugach Regional Ocean Monitoring program: comprehensive biotoxin, phytoplankton, and water chemistry monitoring throughout southcentral Alaska</a>	Maile Branson	Alutiiq Pride Marine Institute
	Harmful Algal Blooms (HABs)	<a href="#">Recent Harmful Algal Bloom Events in Alaska and the AHAB Network</a>	Thomas Farrugia	Alaska Ocean Observing System
	Harmful Algal Blooms (HABs)	Phytoplankton composition along a glacial gradient in Kachemak Bay	Gwenn Hennon	University of Alaska – Fairbanks (UAF)
	Harmful Algal Blooms (HABs)	Paralytic Shellfish Toxins in Fish and Invertebrates of Southcentral and Southwest Alaska.	Steve Kibler	NOAA Beaufort Lab
11:00-12:00	Break			
12:00–1:00	<b>Science Panel: Special Topic HABs: Chris Guo and Rosie Masui (<i>chairs</i>)</b>			
<b>LIVE Panel Discussion</b>				
	Harmful Algal Blooms	All presenters list above will be available as panelists for this session		
1:00–2:00	Break			

2:00–4:00	<b>Species Spotlight: Seabirds: Arthur Kettle (<i>Q&amp;A and Discussion Moderator</i>)</b>			
PRE Recorded Talks Shown During Session Followed by <b>LIVE Q&amp;A</b>				
	Species Spotlight: Seabirds	Predation Pressure Disrupts Common Murre Breeding Success In Kachemak Bay, Alaska Following The North Pacific Marine Heatwave	Caitlin Marsteller	U.S. Geological Survey, Alaska Science Center
	Species Spotlight: Seabirds	Seabird monitoring with time-lapse cameras at the Barren Islands	Arthur Kettle	Alaska Maritime National Wildlife Refuge
	Species Spotlight: Seabirds	Antimicrobial resistant bacteria in Kenai Peninsula gulls	Christina Ahlstrom	US Geological Survey Alaska Science Center
	Species Spotlight: Seabirds	Seabird response to low abundance and quality of forage fish following a prolonged marine heatwave	Sarah Schoen	US Geological Survey
4:00-4:30	Break			
4:30-6:00	<b>Community Panel: Community Science: Marilyn Sigman (<i>Moderator</i>)</b>			
<b>LIVE Panel Discussion</b>				
	Community Panel	Michael Opheim & Stephen Payton		Seldovia Village Tribe
	Community Panel	George Matz & Dave Erikson		Kachemak Bay Birders
	Community Panel	Olga von Ziegesar		Winged Whale Research
	Community Panel	Katie Gavenus		Center for Alaskan Coastal Studies
6:00-7:00	<b>Stories from the Field – Student Projects in Kachemak Bay</b>			
Pre-Recorded Posted on the Web with a LIVE Q&A: KBEEA Organizations (Host)				

**Tuesday, March 16**

<i>Time</i>	<i>Session</i>	<i>Title</i>	<i>Speaker</i>	<i>Affiliation</i>
8:30 -9:00	Check the Film Fest for Daily Spotlight!			
9:00–11:00	<b>Science Session: Freshwater and Wetlands</b>			
<b>PRE Recorded Talks</b>				
	Freshwater & Wetlands	<a href="#">Groundwater Subsidies to Salmonid Streams: A Decade+ of Collaborative Science and Outcomes in Alaska</a>	Mark Rains	University of South Florida
	Freshwater & Wetlands	<a href="#">Groundwater Vulnerability in Social-Hydrological Systems</a>	Edgar Guerron-Orejuela	University of South Florida
	Freshwater & Wetlands	<a href="#">How's the water? A look at current water quality research with Kenai Watershed Forum</a>	Ben Meyer	Kenai Watershed Forum
	Freshwater & Wetlands	<a href="#">Examining Peat Depth in the Kenai Lowlands</a>	Jacob Argueta	Kachemak Bay National Estuarine Research Reserve
	Freshwater & Wetlands	<a href="#">Homer Drawdown - Peatland Project</a>	Satchel Pondolfino	Cook Inletkeeper, Kachemak Bay Conservation Society, Homer Drawdown
	Freshwater & Wetlands	<a href="#">Assessing Impacts on the Peatlands of the Kenai Peninsula and Identifying the Drivers of Change: a North Fork Watershed Case Study</a>	Chelsea Walls	KBNERR Intern and Oregon State University Graduate Student
	Freshwater & Wetlands	<a href="#">From CWMA to CISMA- What's in store for Invasive Species on the Kenai Peninsula</a>	Katherine Schake	HSWCD/KP-CISMA
	Freshwater & Wetlands	<a href="#">The Kenai Peninsula Fish Habitat Partnership and Invasive Species Priorities on the Kenai Peninsula</a>	Maura Schumacher	Kenai Watershed Forum
	Freshwater & Wetlands	<a href="#">Community Conservation: Kenai Watershed Forum's Stream Watch and Adopt-a-Stream Programs</a>	Galen Hecht & Megan Pike	Kenai Watershed Forum

11:00-12:00	Break			
12:00-1:00	<b>Science Panel: Freshwater Panel: Coowe Walker &amp; Branden Borneman (<i>chairs</i>)</b>			
<b>LIVE Panel Discussion</b>				
	Freshwater & Wetlands	Jacob Argueta		Kachemak Bay National Estuarine Research Reserve (KBNERR)
	Freshwater & Wetlands	Chelsea Walls		KBNERR Intern and Oregon State University Graduate Student
	Freshwater & Wetlands	Mark Rains		University of South Florida
	Freshwater & Wetlands	Satchel Pondofino		Cook Inletkeeper, Kachemak Bay Conservation Society, Homer Drawdown
	Freshwater & Wetlands	Edgar Guerron-Orejuela		University of South Florida
	Freshwater & Wetlands	Steve Crooks		Sylvestrum Climate Associates
1:00-2:00	Break			
2:00-4:00	<b>Species Spotlight: Sea Stars: Katie Gavenus &amp; Ben Weitzman (<i>Q&amp;A and Discussion Moderator</i>)</b>			
PRE Recorded Talks Shown During Session Followed by <b>LIVE Q&amp;A</b>				
	Species Spotlight: Sea Stars	<a href="#">The effects of ocean warming and ocean acidification on the behavior and physiology of an intertidal grazer and a key sea star predator</a>	Shelby Bacus	University of Alaska-Fairbanks
	Species Spotlight: Sea Stars	<a href="#">How the mighty have fallen: Combined effects of sea star wasting syndrome and the Pacific marine heatwave on mussel abundance in the Northern Gulf of Alaska</a>	Sarah Traiger	USGS Alaska Science Center
	Species Spotlight: Sea Stars	<a href="#">Rubber Boots on the Ground: Sea Star Wasting Syndrome &amp; Community Monitoring in Kachemak Bay</a>	Katie Gavenus	Center for Alaskan Coastal Studies
4:00-4:30	Break			
4:30-6:00	<b>Virtual Field Trip: Salmon Conservation In Winter: KHLT &amp; KBNERR (<i>Hosts</i>)</b>			
<b>Virtual Field Trip</b>				
6:00-7:00	<b>Career Expo: Student Opportunities</b>			
Virtual Meet & Greet: Debbie Tobin (Host)				

## Wednesday, March 17

<i>Time</i>	<i>Session</i>	<i>Title</i>	<i>Speaker</i>	<i>Affiliation</i>
8:30 -9:00	Check the Film Fest for Daily Spotlight!			
9:00–11:00	<b>Science Session: Nearshore Ecosystems</b>			
<b>PRE Recorded Talks</b>				
	Nearshore	<a href="#">Alaska EPSCoR Coastal Margins Project: Glacial recession impacts on coastal ecosystems along the Gulf of Alaska</a>	Brenda Konar	University of Alaska Fairbanks
	Nearshore	<a href="#">Can glaciers influence particulate organic matter the nearshore?</a>	Jim Schloemer	KBNERR; UAF CFOS
	Nearshore	<a href="#">Size distribution variability in Pacific blue mussels (<i>Mytilus trossulus</i>) in glacially influenced estuaries</a>	Amy Dowling	University of Alaska Fairbanks
	Nearshore	<a href="#">Food Web Ecology of Fishes Along a Gradient of Glacially Influenced Watersheds</a>	Lindsey Stadler	University of Alaska Fairbanks
	Nearshore	<a href="#">Environmental factors important to nearshore estuarine fish community structure in Kachemak Bay, AK</a>	Chris Guo	KBNERR
	Nearshore	Baked Alaska: A Marine Heatwave in the Northern Gulf Of Alaska Changes Rocky Intertidal Community Structure	Ben Weitzman	NOAA - Kasitsna Bay Laboratory
	Nearshore	<a href="#">Developing methods to survey kelp resources in a glacially influenced ecosystem</a>	Dominic Hondolero	NOAA Kasitsna Bay Laboratory
	Nearshore	Beach Wrack: An Important Intertidal Habitat and Aquatic Resource in Kachemak Bay	Brian Ulaski	University of Alaska Fairbanks
11:00-12:00	Break			

12:00–1:00	<b>Science Panel: Nearshore Ecosystems: Brenda Konar, Ben Weitzman &amp; Katrin Iken (<i>chairs</i>)</b>			
	<b>LIVE Panel Discussion</b>			
	Nearshore	All presenters list above will be available as panelists for this session		
1:00–2:00	Break			
2:00–4:00	<b>Species Spotlight: Clams &amp; Sea Otters: Mike Booz &amp; Debbie Tobin (<i>Q&amp;A and Discussion Moderator</i>)</b>			
	PRE Recorded Talks Shown During Session Followed by <b>LIVE Q&amp;A</b>			
	Species Spotlight: Sea Otters	Life history tag (LHX2) deployment in sea otters: A pilot study in Kachemak Bay	Caroline Cummings	US Fish and Wildlife Service
	Species Spotlight: Sea Otters	Sea Otter Stranding in Kachemak Bay	Caroline Cummings	US Fish and Wildlife Service
	Species Spotlight: Sea Otters	<a href="#">Subtidal Habitat Associations of Sea Otters in Kachemak Bay: A Pilot Study for Cook Inlet</a>	Liza Hasan	University of Alaska Fairbanks
	Species Spotlight: Sea Otters	<a href="#">Causes of Mortality of Northern Sea Otters (<i>Enhydra lutris kenyoni</i>) in Alaska from 2002-2012</a>	Kathy Burek Huntington	Alaska Veterinary Pathology Services
	Species Spotlight: Clams	<a href="#">Assessing annual growth to develop a stock productivity index for East Cook Inlet Razor Clams</a>	Mike Booz	Alaska Department of Fish and Game
	Species Spotlight: Clams	<a href="#">An update on the East Cook Inlet razor clam population</a>	Holly Dickson	Alaska Department of Fish and Game
	Species Spotlight: Clams	Gene transcription profiles in two razor clam populations: discerning drivers of population status	Heather Coletti	National Park Service
4:00-4:30	Break			
4:30-6:00	<b>Community Panel: Fisheries and Farms: Paula Cullenberg (<i>Moderator</i>)</b>			
	<b>LIVE Panel Discussion</b>			
	Fisheries & Farms Panel	Chris Moss	Homer	
	Fisheries & Farms Panel	Nancy Yeaton	Nanwalek	
	Fisheries & Farms Panel	Brent Johnson	Nimilchik	
	Fisheries & Farms Panel	Weatherly Bates	Halibut Cove	
	Fisheries & Farms Panel	Sara Jackinsky	Homer	

## Thursday, March 18

<i>Time</i>	<i>Session</i>	<i>Title</i>	<i>Speaker</i>	<i>Affiliation</i>
8:30 -9:00	Check the Film Fest for Daily Spotlight!			
9:00–11:00	<b>Science Session: Marine Ecosystems</b>			
<b>PRE Recorded Talks</b>				
	Marine Ecosystems	Which came first? Linking ocean and nearshore ecosystems in Kachemak Bay Alaska	Kris Holderied	NOAA Kasitsna Bay Laboratory
	Marine Ecosystems	<a href="#">Cold winters temporarily cool down an unusually warm ocean</a>	Jim Schloemer	KBNER
	Marine Ecosystems	<a href="#">Circulation in Kachemak Bay from Drifter Studies</a>	Mark Johnson	College of Fisheries and Ocean Sciences, University of Alaska Fairbanks
	Marine Ecosystems	<a href="#">Using marine tracers to investigate the role of submarine groundwater discharge in ecosystem processes across Kachemak Bay</a>	Will Burt	UAF College of Fisheries and Ocean Science
	Marine Ecosystems	<a href="#">Groundwater: an often-forgotten source in coastal ecosystems</a>	Josianne Haag	University of Alaska Fairbanks
	Marine Ecosystems	<a href="#">Kachemak Bay pH sensor network: Implication for mariculture in the context of ocean acidification</a>	Amanda Kelly	University of Alaska Fairbanks
	Marine Ecosystems	Community Sampling for Ocean Acidification in South Central Alaska	Chelsea Kovalcsik	Chugach Regional Resources Commission
	Marine Ecosystems	<a href="#">Healthy Shores, Healthy Homer: Cleaning Kachemak Bay during Covid-19</a>	Henry Reiske	Center for Alaskan Coastal Studies
	Marine Ecosystems	Listening for killer whales in Kachemak Bay	Hannah Myers	University of Alaska Fairbanks
11:00-12:00	Break			
12:00–1:00	<b>Science Panel: Marine Ecosystem Panel: Kris Holderied and Chelsea Campbell (<i>chairs</i>)</b>			

	<b>LIVE Panel Discussion</b>			
	Marine Ecosystems	All presenters listed above will be available as panelists for this session		
1:00–2:00	Break			
2:00–4:00	<b>Species Spotlight: Rockfish: Martin Schuster (<i>Q&amp;A and Discussion Moderator</i>)</b>			
	PRE Recorded Talks Shown During Session Followed by <b>LIVE Q&amp;A</b>			
	Species Spotlight: Rockfish	<a href="#">ADF&amp;G Statewide Rockfish Initiative</a>	Jan Rumble	Alaska Department of Fish & Game
	Species Spotlight: Rockfish	Cook Inlet Area Rockfish Commercial Fisheries Management and Monitoring	Elisa Russ	Alaska Department of Fish & Game
	Species Spotlight: Rockfish	<a href="#">Sport Fisheries port sampling: A valuable resource!</a>	Martin Schuster	Alaska Department of Fish & Game
4:00-4:30	Break			
4:30-6:00	<b>Virtual Field Trip: Underwater Tour of Kachemak Bay: UAF and KBL (<i>Hosts</i>)</b>			
	<b>Virtual Field Trip</b>			
6:00-7:00	<b>Community Conversation: Story Sharing Circle: Pratt Museum &amp; CACS (<i>Hosts</i>)</b>			
	Virtual: Story Sharing about Insights, Questions & Curiosities that Emerged During the Conference and Science Happenings in the Bay			
Link:	<a href="https://us02web.zoom.us/j/85926752813?pwd=cGJia1huaFdqd1RxcG96dFY5NjJsdz09">https://us02web.zoom.us/j/85926752813?pwd=cGJia1huaFdqd1RxcG96dFY5NjJsdz09</a>			