

# Technical Session Schedule – Tuesday AM

	<b>Human Dimensions of Fishery Management and Fishing Tourism</b>	<b>Failure and Innovation in Fisheries Science: Presenting Past Challenges for a Better Future</b>
	<b>Gold Room</b>	<b>Minto Room</b>
10:00 AM	Local views of competition and integration between commercial fishing, subsistence, and tourism in Southeast Alaska <b>Ryan Naylor (Virtual)</b>	Wild, Natural, Sustainable...or Hatchery? <b>Benjamin Van Alen (Virtual)</b>
10:15 AM	Angler's perceptions, experiences, and attitudes towards fisheries management in three NC lakes <b>Kathryn Jewell (Virtual)</b>	Swimming Upstream: Innovations of Undergrads and Educators for Salmon and STEM Learning <b>Christina Buffington</b>
10:30 AM	The social-ecological system of the Kenai River Fishery (Alaska, USA) <b>Chase Lamborn (Virtual)</b>	Videos from the sea: the fish and the wrecks <b>Erica Ebert</b>
10:45 AM	A Delphi-study approach to future participation in recreational angling and fishing tourism <b>Stian Stensland</b>	Future Directions in Optical Remote Sensing of Fisheries <b>Michael Roddewig</b>
11:00 AM	Indigenizing Salmon Science and Management: From Theory to Practice <b>Brooke Woods</b>	Pacific Cod in Southeast Alaska: Challenges of Managing a Data Limited Fishery <b>Laura Coleman</b>
11:15 AM	Tamamta (All of Us): Transforming Western and Indigenous Fisheries and Marine Sciences Together <b>Courtney Carothers</b>	Estimating Groundfish Abundance by Combining the Data from Multiple Fishery-Independent Surveys <b>Tristan Sebens</b>
11:30 AM	Kahtnu Fisheries: A Focus for Dena'ina Representation <b>Nicholas Jacuk</b>	When beavers get burned, do fish get fried? Assessing beaver effects on fish in a fire-dominated ecosystem using and eDNA <b>William Samuel</b>
11:45 AM	The Story of a Slough: Engaging (and Managing) Young Scientists and Stewards, a Ten-Year Project <b>Tori Brannan</b>	Comparison of eDNA primers for aquatic invertebrate diversity in Interior Alaska streams <b>Jeffrey D. Muehlbauer</b>

# Technical Session Schedule – Tuesday PM

<b>Crafting Creative Solutions for Fisheries Using Genomics</b>		<b>Contributed talks: Fisheries Management</b>
	<b>Gold Room</b>	<b>Minto Room</b>
1:30 PM	Improving genetic tools for research and management of western Alaska salmon <b>Elizabeth Lee</b>	A look inside federal fisheries management in Alaska, exploring the diverse jobs within NOAA Sustainable Fisheries Division <b>Maggie Chan</b>
1:45 PM	Developing genomic resources for analyzing fisheries bycatch of Black-footed Albatross ( <i>Phoebastria nigripes</i> ) <b>Diana Baetscher (Virtual)</b>	Using selectivity ratio to evaluate bottom trawl survey and longline fishery selectivity <b>Sean Rohan</b>
2:00 PM	Population genomics of sablefish throughout the North Pacific <b>Laura E. Timm (Virtual)</b>	Boats 'N Cohos: 2022 Alaska Freshwater Fish Inventory Surveys and Nominations to the Anadromous Waters Catalog <b>Nate Cathcart</b>
2:15 PM	Genotyping at sea informs in-season fisheries management in real-time. <b>Heather A. Hoyt</b>	Climate-informed models benefit hindcasting but present challenges when forecasting species-habitat associations <b>Cheryl Barnes</b>
2:30 PM	Using quantitative PCR to estimate Chum Salmon ( <i>Oncorhynchus keta</i> ) abundance with environmental DNA on the Chena River <b>Maggie Harings</b>	Incorporating dynamic fleet structure in stock assessment models: Accounting for a rapidly developing pot fishery for Alaska sablefish ( <i>Anoplopoma fimbria</i> ) <b>Matt Cheng</b>
2:45 PM	Population genomics of rockfish species across the West Coast: chaos reigns supreme <b>Laura E. Timm (Virtual)</b>	Forests, Fish, & People: Quantifying Alaska National Forest Contributions to Subsistence, Sport, and Personal-Use Salmon Harvest <b>Emily Whitney</b>
3:00 PM	<b>BREAK</b>	

## Technical Session Schedule – Tuesday PM (cont'd)

<b>Crafting Creative Solutions for Fisheries Using Genomics (cont'd)</b>		<b>Contributed Talks: Age, Growth, and Development</b>
	<b>Gold Room</b>	<b>Minto Room</b>
3:45 PM	Genomic evidence for hatchery-induced domestication selection in Chinook salmon, <i>Oncorhynchus tshawytscha</i> <b>Natasha Howe (Virtual)</b>	Declines in body size of Bristol Bay sockeye salmon associated with increased competition in the ocean <b>Bert Lewis</b>
4:00 PM	Optimizing trans-generational genetic mark-recapture (tGMR) for improved enumeration of Pacific salmon <b>Sam Rosenbaum</b>	Hindcasted bioenergetics modeling of juvenile Chinook salmon ( <i>Oncorhynchus tshawytscha</i> ) and Dolly Varden ( <i>Salvelinus malma</i> ) within the Kenai River system to inform future climate projections <b>Peyton Thomas</b>
4:15 PM	Quantifying impacts of hatchery-origin salmon strays to wild population recruitment and resilience using quantitative genetic models <b>Samuel May</b>	Heritability of length and age at maturity in a captive population of Chinook salmon <b>Megan McPhee</b>
4:30 PM	Pink Salmon in the North American Arctic: Natural expansions from the Pacific or invasions from the Atlantic? <b>Sara Gilk-Baumer</b>	Developmental toxicity of microbial phenanthrene-biodegradation metabolites to larval threespine stickleback <b>Kelly Ireland</b>
4:45 PM	Detecting Longfin Smelt with eDNA in Bellingham Bay, WA. <b>John Rombold</b>	Life in the fast lane: squid fishery species in Southeast Alaska <b>Michael Navarro</b>

# Technical Session Schedule – Wednesday PM

<b>Salmon Hatcheries 2.0: Opportunities for Mariculture, Economic Development, and Ecosystem Services</b>		<b>Contributed Talks: Climate Effects on Alaskan Ecosystems</b>
	<b>Gold Room</b>	<b>Minto Room</b>
1:30 PM	Salmon Hatcheries 2.0: Setting the Stage <b>Tommy Sheridan</b>	Drivers and diversity of Chinook salmon productivity in the Arctic-Yukon-Kuskokwim region <b>Megan Feddern (Virtual)</b>
1:45 PM	Integrating Mariculture into Alaska's salmon aquaculture: A resource for Alaska's Aquaculture and mariculture industries and a unique learning opportunity for students in Southeast Alaska <b>Angela Bowers</b>	Modeling stream temperature and flow from gridded climate datasets in Alaska's Yukon and Kuskokwim basins <b>Rebecca Shaftel</b>
2:00 PM	Indoor cultivation protocols for the Rhodophytes, <i>Devaleraea mollis</i> and <i>Palmaria hecatensis</i> from Alaska <b>Muriel Dittrich</b>	Investigating factors associated with heat stress responses of two adjacent populations of subarctic Chinook salmon in Alaska: the role of site-specific temperature, body size, and hatchery vs. wild origins on HSP70 expression <b>Madeline Lee</b>
2:15 PM	Mapping marine invasive species in Alaska to raise awareness in the mariculture industry <b>Suzie O'Neill</b>	Fluvial export of nutrients and multiple forms of carbon from a temperate forested watershed in southeast Alaska <b>Claire Delbecq</b>
2:30 PM	Sustainability certification of Alaskan fisheries <b>Benjamin Americus</b>	A Southeast Alaska community-based stream temperature monitoring network provides insights into salmon resilience to climate change <b>Rebecca Bellmore</b>
2:45 PM	Imprinting salmon to targeted locations using natural odor cues: a new imprinting paradigm for hatchery programs? <b>Andrew Dittman (Virtual)</b>	AKTEMP: Presenting a fully functional stream and lake temperature database for Alaska <b>Marcus Geist</b>
3:00 PM	<b>BREAK</b>	

# Technical Session Schedule – Wednesday PM (cont'd)

<b>Salmon Hatcheries 2.0: Opportunities for Mariculture, Economic Development, and Ecosystem Services</b>		
	<b>Gold Room</b>	<b>Minto Room</b>
3:45 PM	<b>Panel Discussion</b>	Does Riparian Vegetation Buffer Aquatic Habitats from Direct Wildfire Impacts in Interior Alaska Boreal Stream Networks? <b>Jeff Falke</b>
4:00 PM		Hydrologic regime characterization for wildfire- impacted streams in changing boreal ecosystems <b>Deanna Strohm</b>
4:15 PM		Arctic Grayling ( <i>Thymallus arcticus</i> ) physiology and movement behavior across a fire-impacted boreal riverscape <b>Elizabeth Hinkle</b>
4:30 PM		How do wildfires affect Chinook salmon? Evidence from small streams, big rivers, and satellites <b>Erik Schoen</b>
4:45 PM		

## Technical Session Schedule – Thursday PM

Contributed Talks: Nutrients and Food Webs		Contributed Talks: Behavior and Distribution
	Gold Room	Minto Room
1:30 PM	Assessing the effects of sea otters on depth distributions of Dungeness crab in Southeast Alaska <b>Carter Johnson</b>	Assessing Spawning Behavior at the Northern Extreme of Pacific Halibut <b>Austin Flanigan</b>
1:45 PM	Paralytic Shellfish Poisoning (PSP) in Alaska: Past Studies and Ways Forward <b>Andrea James</b>	Seaward migration and overwintering habits of Dolly Varden in northwestern Alaska analyzed using otolith microchemistry <b>Joe Spencer</b>
2:00 PM	Combining predator diet and survey data to understand spatial and temporal patterns of forage fish in Alaska <b>Lindsay Turner</b>	Species distribution models estimate juvenile salmon habitat and time-varying distributions in the northern and southeastern Bering Sea <b>Lilian Hart</b>
2:15 PM	Analyzing stable isotopes within eye lenses to determine ontogenetic trophic dynamics of whitefish species from the central Beaufort Sea <b>Jonah Bacon</b>	Testing the Efficacy of Mark Report Satellite Tags (mrPAT) to Examine Movements of Large Male Snow Crab ( <i>Chionoecetes opilio</i> ) in the Eastern Bering Sea <b>Concepcion Melovidov</b>
2:30 PM	Patterns in predation: understanding climate mediated predation impacts of a novel subarctic predator <b>Benjamin Rich</b>	An Examination of Burbot Life History Strategies Through Use of Radiotelemetry <b>Lisa Stuby</b>
2:45 PM	Food webs in hydrologically diverse riverscapes: contributions to salmon production and population stability <b>J. Ryan Bellmore</b>	Insights into the ecology of Chinook Salmon in the North Pacific Ocean, gleaned from pop-up satellite tags <b>Andy Seitz</b>
3:00 PM	<b>BREAK</b>	

## Technical Session Schedule – Thursday PM (cont'd)

<b>Contributed Talks: Nutrients and Food Webs (cont'd)</b>		<b>Hard Rock Mining in Alaska – How Could and Should the Alaska Chapter AFS be Engaged?</b>
	<b>Gold Room</b>	<b>Minto Room</b>
3:45 PM	Stream hydrology and a salmon pulse subsidy shape juvenile salmonid foraging patterns in a southeast Alaska watershed <b>Kevin Fitzgerald</b>	Overview of Alaska's mining past, present and future; implications for fisheries and watersheds; and ways for the Alaska Chapter AFS to engage <b>Sue Mauger</b>
4:00 PM	Using “Big Data” and Ecological Stoichiometry to Inform Fisheries Research <b>Erin Larson</b>	Brief overview of Heavy Metal Mining and Effects on Alaskan Streams <b>Katie Wedemeyer</b>
4:15 PM	Linking permafrost characteristics to fish in Arctic headwater streams <b>Michael Carey</b>	Aquatic Biomonitoring at Hard Rock Mine Projects in Alaska <b>Chelsea Clawson</b>
4:30 PM		<b>Panel Discussion</b>
4:45 PM		