



Alaska Section

American Water Resources Association

2023 Annual Conference Program

Daily Schedule

Monday, March 6th - Birch Room (First Floor)

12:00 *Registration Open*

Session 1: Eklutna

13:00	Ann Marie Larquier & Aaron Leggett	Opening Remarks/Land Acknowledgement
13:40	Samantha Owen	Eklutna Hydroelectric Project - Fish and Wildlife Agreement Implementation
14:20	Kathy Dube	Geomorphology and Sediment Transport in the Eklutna River, Alaska
14:40	<i>Rapid Talks/Break</i>	

Session 2: Cryosphere Hydrology/Climate Change/Modeling & Geospatial

15:00	Johnse Ostman	A Synthesis of Long-Term Hydrometeorological Data Series for Eklutna Watershed, Alaska
15:20	Molly Tedesche	A Perennial Snowfield Melt Model as a Synthesis of Climate, Field, and Remotely Sensed Data from the Brooks Range, Alaska
15:40	Kelsey Stockert	Sublimation Measurements From Tundra and Taiga Snowpack in Alaska
16:00	Marcus Geist (First Author - Rebecca Shaftel)	AKTEMP: Presenting a fully functional stream and lake temperature database for Alaska
16:20	Rebecca Shaftel	Modeling stream temperature and flow from gridded climate datasets in Alaska's Yukon and Kuskokwim basins
16:40	Shawn Carter	Remote Sensing Alaska with SARRIS

Daily Schedule

Tuesday, March 7th - Birch Room (First Floor)

08:30 *Registration and coffee*

Session 3: Habitat - Fish, Wildlife, and Aquatic Species

09:00	Angela Coleman (First Author – Brian Bair)	Mining Helps Resurrect A Creek on the Chugach National Forest
09:20	Lisa Docken	A Recipe for Maximum Benefit from Restoration Dollars in Support of Fish Passage and Fish Habitat
09:40	Tori Brannan	Sleuthing the Slough: Engaging (and Managing) Schoolwide Authentic Science in K-6 Students, a Ten-Year Study
10:00	Carrie Ann Brophil	Restoration of Eklutna River
10:20	<i>Rapid Talks/Break</i>	

Session 4: Drinking Water

10:40	Michael Pollen	Rotary District 5010 Alaskan Emergency Water Treatment System Project
11:20	Charley Palmer	Alaska DEC Drinking Water Source Protection
11:40	Barbara Johnson	Unrestricted Cash Transfers and Access to In-Home Water Services a case study of the Alaska Permanent Fund Dividend
12:00	<i>Membership & Board Meeting (Lunch provided for all participants)</i>	

Session 5: Weather and Water Extremes/Hazards

13:20	Jessica Cherry	NOAA's Planned Updates to the Precipitation Frequency Atlas and Probable Maximum Precipitation
13:40	Janet Curran	Large floods in Alaska: Considerations of flood-generating mechanisms and contributing factors
14:00	Jacquelyn Overbeck (First Author – Leslie Jones)	All Hands-on Deck Data Collection Response to 2022 Bering Sea Storm from Typhoon Merbok
14:20	Melanie Engram	Detecting Early Winter Open-Water Zones on Alaska Rivers Using Dual-Polarized C-Band Sentinel-1 Synthetic Aperture Radar (SAR)
14:20	<i>Rapid Talks/Break</i>	
15:00	<i>Poster Session until 17:00 in the foyer area (first floor)</i>	

Daily Schedule

Wednesday, March 8th - Adler/Cottonwood Room (Second Floor)

08:30 *Registration and coffee*

Session 6: Watershed Management (Surface Water, Groundwater, Water Quality, & Conservation)

09:00	Kevin Petrone	Alaska Water Budget and the Alaska Water Use Data System (AKWUDS)
09:20	Jeff Conaway (First Author – Jenn Hamblen)	Preliminary Results of the US Geological Survey Alaska Transboundary Rivers Monitoring Project
09:40	Benjamin Meyer	Alaska's Kenai River Water Quality Monitoring Project: 22 Years of Community Supported Research
10:00	Ann Marie Larquier & Leah Ellis	Protecting Fish and Wildlife Habitat: Alaska's Instream Flow Program

10:20 *Rapid Talks/Break*

Session 7: Hydrology Design and Engineering

10:40	Erica Betts	Culvert Sizing for Climate Change, Case Studies in Alaska
11:00	Daniel Miller	Roughened Channel Design and Construction
11:20	Irene Turletes & Kacy Grundhauser	Dave's Creek Substation Flood Mitigation
11:40	Jim Munter	A Fresh Look at Ground- and Groundwater-Sourced Heat Pumps An Alaska Heat Rush?

12:00 *Lunch (provided for all in-person participants)*

Session 8: Hydropower

13:00	Bryan Carey	Hydropower Opportunities with Change
13:20	Dave Brailey	Groundwater Inputs to an Alpine Hydroelectric System
13:40	Merrick Jackinsky	Advancements in River and Tidal Energy Production in Alaska

14:40 *Closing Remarks & Announcement of the New Board of Directors*

March 9-10th	IHCA Spring 2023 Meeting will be held at Dr. Glenn A. Olds Hall (USGS) in Anchorage. Address: 4210 University Drive, Anchorage, Alaska 99508
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