

Alaska Section American Water Resources Association
Juneau, Centennial Hall
AGENDA

September 17, 2019: Big Picture Water Issues and Southeast Examples

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| 9:20 am | Flight from Anchorage lands in Juneau |
| 10:00 am-11:00 am | Doors open at Centennial Hall, pick up name tags, store luggage |
| 11:00 am – 11:15 am | Welcome and Introductory Remarks: <i>Jessica Cherry (NWS)</i> |
| 11:15 am – 12:15 pm | Keynote Speaker: <i>Jules Tileston (retired BLM, DNR)</i> on Wild and Scenic Rivers Act, Water Rights in Alaska, Fortymile River |
| 12:15 pm – 1:15 pm | <u>Catered lunch</u> |
| 1:15 pm – 1:35 pm | <i>Carl Reese (DNR)</i> : Regulatory and Hydrologic Considerations for Water Right Applications |
| 1:35 pm – 1:55 pm | <i>Ann Marie Larquier (ADFG)</i> : Protecting Fish and Wildlife Habitat: Alaska's Instream Flow Reservations Program |
| 1:55 pm – 2:40 pm | Panel discussion and Q&A on Water Rights (<i>Tileston, Larquier, Reese, Burger (NPS), Hamblen (Takshanuk), Hanlon (Yakutat Tlingit Tribe)</i>), moderated by <i>Cherry</i>) |
| 2:40 pm – 3:00 pm | <u>Coffee and tea break</u> |
| 3:00 pm – 3:20 pm | <i>Jennifer Hamblen (Takshanuk Watershed Council)</i> : Water Quality Monitoring in the Chilkat Watershed, Haines, Alaska |
| 3:20 pm – 3:40 pm | <i>Sonia Nagorski (UAS)</i> : Spawning salmon deliver marine-derived contaminants to southeast Alaskan streams |
| 3:40 pm – 4:00 pm | <i>Angie Mendbayar (Juneau District Heating)</i> : Heating Buildings with Warmed Seawater |
| 4:00 pm – 6:00 pm | Intro to Posters, Posters, and <u>catered reception with no-host bar</u> |

September 18, 2019: Statewide and Regional Hydrology

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| 7:30 am – 8:30 am | <u>Catered hot breakfast</u> |
| | Talks moderated by <i>Sean Eagan (NOAA)</i> : |
| 8:30 am -- 8:50 am | <i>Jeff Conaway (USGS)</i> : Overview of the 2019 Water Year at USGS Streamgages |
| 8:50 am -- 9:10 am | <i>Chris Arp (UAF)</i> : Hydrological System Regime Change from the Fish Creek Watershed Observatory in northern Alaska |
| 9:10 am -- 9:30 am | <i>Bob Bolton (UAF)</i> : Permafrost, Snow, and Vegetation Interactions on the Seward Peninsula |
| 9:30 am -- 9:50 am | <i>Terry Schwarz (DNR)</i> : Alaska Groundwater Monitoring Program |

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| 9:50 am -- 10:20 am | <u>Coffee and tea break</u> |
| 10:20 am – 10:40 am | <i>Janet Curran (USGS):</i> Alaska hydrograph and peak streamflow seasonality and the influence of streamflow drivers |
| 10:40 am -- 11:00 am | <i>Aaron Jacobs (NWS):</i> Atmospheric Rivers in Alaska |
| 11:00 am -- 11:20 am | <i>Carl Dierking (UAF):</i> Polar Satellite Data for Hydrologic Applications in Alaska |
| 11:20 am – 12:00 pm | Rapid talks / Visualization Gallery |
| 12:00 pm -- 1:00 pm | <u>Catered lunch</u> Talks moderated by <i>Bob Bolton (UAF):</i> |
| 1:00 pm -- 1:20 pm | <i>Luca Adelfio (USFS):</i> Streamflow data collected for instream water reservations at Bering River, Alaska |
| 1:20 pm -- 1:40 pm | <i>Christian Kienholz (UAS):</i> Monitoring the 2018 and 2019 outburst floods at Juneau's Mendenhall Glacier |
| 1:40 pm -- 2:00 pm | <i>Dina Abdel-Fattah (UAF):</i> The role of stakeholder feedback in glacial lake outburst flood monitoring tools – Mendenhall and Snow Glaciers |
| 2:00 pm – 2:20 pm | <u>Coffee and tea break</u> |
| 2:20 pm -- 2:40 pm | <i>Jeff Conaway (USGS):</i> U.S. Geological Survey Water Quality Strategy for Transboundary Alaskan Rivers |
| 2:40 pm – 3:00 pm | <i>Eran Hood (UAS):</i> Using dendrochronology to reconstruct Juneau's avalanche history |
| 3:00 pm – 3:50 pm | Rapid Talks/discussion |
| 4:00 pm -- 5:00 pm | Field trip to Gold Creek Hydropower facility (walk to, optional) |
| 5:00 pm onwards | <u>Dinner on your own</u> |

September 19, 2019: Water, Fish, and Habitat

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| 7:30 am -- 8:30 am | <u>Catered breakfast (everyone) – AWRA business meeting (open)</u> Talks moderated by <i>Neil Stichert (USFS):</i> |
| 8:30 am -- 8:50 am | <i>Aaron Jacobs (NWS):</i> Drought in a rainforest |
| 8:50 am -- 9:10 am | <i>Cindy Hartmann Moore (NMFS):</i> Alaska's ShoreZone Imagery and Habitat Mapping Data |
| 9:10 am -- 9:30 am | <i>Katherine Prussian (USDA):</i> Large Wood Stream Restoration Using Hand Methods |
| 9:30 am -- 10:00 am | <u>Coffee and tea break</u> |
| 10:00 am -- 10:20 am | <i>Bernard Romey (Romey Fisheries and Aquatic Sciences):</i> Landscape-level Model for Predicting Juvenile Coho Salmon Rearing Habitat in Southeast Alaska |

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| 10:20 am -- 10:40 am | <i>Hal Shepard (Water Policy Consulting):</i> Salmon Die-off and the Changing Landscape in the Norton Sound Region |
| 10:40 am – 11:00 am | <i>Katherine Prussian (USDA):</i> Promoting Natural Resource Jobs with Local Youth and Real Projects |
| 11:00 am -- 11:15 am | Closing remarks (<i>Cherry and Larquier</i>) |
| 11:15 am | <u>Sack lunches to go</u> |
| 1:00 pm | Flight departs Juneau for Anchorage |
| 1:00 pm | Interagency Hydrology Committee of Alaska meeting, Room 445C on the 4th floor of the Federal building (709 W 5th Street) |

Posters

Chris Arp (UAF), Fresh Eyes on Ice: Connecting Arctic Communities through a Revitalized and Modernized Freshwater Ice Observation Network

Jason Fellman (UAS), From glacial, to snow, to rain: Effects of hydrochemical homogenization on stream food webs in southeast Alaska

Connor Johnson (UAS), Influence of watershed characteristics on invertebrate and organic matter density

Rick Lader (UAF), Historical and projected precipitation extremes for Southeast Alaska

Katherine Prussian (USDA), Landslide Data Efforts around Sitka

Ross Spicer (UAF), Exploring Thermokarst Initiation for the Alaska Thermokarst Model