

Alaska Stream and Lake Temperature Monitoring Workshop

Anchorage, Alaska November 5 & 6, 2012

Participant List

Chris Arp

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My research is focused on understanding ecosystem processes of stream, rivers, lakes, wetlands, and their watersheds primarily in alpine and arctic landscapes.

Dan Bogan

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Dan Bogan earned a BA in Botany and a Masters in Environmental Science from Miami University. Dan has been with UAA as an aquatic ecologist for 10 years. His research focuses on biological water quality monitoring using diatom and macroinvertebrate community data. He is also actively involved with watershed and water quality education and committed to forming water quality monitoring partnerships.

Paul Burger

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BS-Geological Engineering, MS-Geological Engineering (Colorado School of Mines), 5 years US Bureau of Reclamation and USGS, Engineer and Hydrologist. 1999-2010, Hydrologist, Carlsbad Caverns National Park, 2010-Present, Regional Hydrologist, National Park Service. Providing technical and programmatic support to parks and Inventory and Monitoring Networks throughout Alaska.

Susan Flensburg

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Environmental Program Manager for the Bristol Bay Native Association for 15 years and work with tribal environmental programs on community based programs and watershed approaches to protect environmental quality, human health, and renewable resources. I am part time staff to the Nushagak Mulchatna Watershed Council which works closely with the Bristol Bay Heritage Land Trust and other organizations to protect water flow and water quality.

Steven Frenzel

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My background is in water quality and aquatic ecology. I currently oversee the USGS Alaska Science Center Water Resources Office, which monitors streamflow statewide and conducts research on hydrologic processes.

Melissa Hill

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Groundwater hydrologist interested in developing regional-scale monitoring programs.

Dan Isaak

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Dan Isaak is a Research Fisheries Scientist with the Rocky Mountain Research Station Boise Aquatic Sciences Laboratory in Boise, Idaho. He holds a B.S. degree from South Dakota State University, an M.S. degree from the University of Idaho, and a Ph.D. from the University of Wyoming. He has worked in native fish conservation and fisheries management and research in the western United States for the past 20 years, and his primary research interest is in understanding how climate change, disturbance, and biophysical interactions across spatial and temporal scales affect population dynamics and habitat in mountain streams and rivers.

Ben Jones

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I am a student employee at the U.S. Geological Survey - Alaska Science Center in the Geography discipline. I am interested in landscape dynamics and the combination of field studies with the remotely sensed image time series.

Michael Knapp

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Twenty three years as a soil scientist in government and private industry. Two years in current position as Forest Service, Alaska Region as Regional Watershed and Air Program Leader. Provide oversight and guidance in Watershed Restoration, Hydrology, Soils and Air Programs.

Heather Leba

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I am a fishery biologist with Yukon River Research team and have been with the Department for three years. I assist with ongoing research of chinook and chum salmon, including passage estimates using sonar, run timing, and inseason data analysis. In 2010 I started a collaborative project to standardize and improve our water monitoring practices at sites within the Yukon drainage, in both Alaskan and Canadian streams.

Scott Lindsey

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Degrees in Civil Engineering, have worked in operational hydrologic modeling and forecasting field for over 20 years.

Peter Lisi

University of Washington School of Aquatic and Fishery Sciences

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I am a graduate student in Daniel Schindler's lab at the University of Washington's School of Aquatic and Fishery Sciences. I'm interested in understanding the importance of geomorphic variation and hydrologic processes in controlling the thermal dynamics of streams, and the associated impacts on salmon and the species they support. This work is primarily focused in Bristol Bay Alaska in the Wood River Watershed. I am representing the Alaska Salmon Program, which has been involved in habitat and salmon research in this region for the past 60 yrs.

Aaron Martin

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I am currently a Supervisory Fisheries Biologist in the Fairbanks Fish and Wildlife Field Office. I have a Master's degree in Fisheries and a Bachelor's degree in Wildlife Biology. In my current and past positions I have involved in fisheries, aquatic habitat, and water quality monitoring across Alaska and the western United States. My focus area recently has been population monitoring and assessment throughout the Yukon River basin working closely with NGOs, state agencies and Canadian federal and provincial agencies. Water quality is a major concern in this region as we are faced with effects of climate change, but also extensive resource development on both sides of the international border.

Sue Mauger

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I am the Science Director at Cook Inletkeeper where I've been studying impacts of climate and land-use change in salmon streams for 12 years. I coordinate the Cook Inlet Stream Temperature Monitoring Network, which includes 15 partnering agencies and community-based organizations, in an effort to collect 5 years of water and air temperature data in 48 salmon streams and presently serve on the steering committee for the Kenai Peninsula Fish Habitat Partnership. I did my undergraduate work at Duke University and received my masters in Fisheries Science from Oregon State University.

Rick McClure

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Snow Survey Supervisor, Maintain 67 SNOTEL sites and assemble data collected monthly at 230 + snow courses.

Eric Morris

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I came to White Mountain in 1977 as a Principal/Teacher. Upon retirement and after spending the better part of three years riding my snowmachine, I began to manage projects for the local tribe. This has developed into the creation of an active, tribal environmental program. My current role in local hydrologic sciences is ill-defined as befits the subsistence priority of this area. I am called the Watershed Coordinator, and I am the de facto leader of the data collection efforts being undertaken by the tribal groups within this watershed.

Alan Peck

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Since the mid 1980's, I have worked in hydrology and natural resources related disciplines for the NPS, USGS, FWS and now BLM. Hydrologic studies and issues constitute a significant portion of program oversight as the BLM – Alaska Soil, Water and Air Program Lead.

Eric Rothwell

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I work for the Habitat Conservation Division for the NOAA-NMFS as a hydrologist, providing review of hydropower, mining, and transportation infrastructure project review. Stream temperature, monitoring and modeling is a major component of monitoring and study to assess impacts of hydropower projects on anadromous fish and their habitats.

Robert Ruffner

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Executive Director of Non-Profit organization. Academic training in geomorphology, with emphasis in sediment transport modeling.

Terry Schwarz

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Hydrologist in Southeast Alaska for DNR for ~6 years, focused on Instream Flow Reservations, and Navigability.

Chris Sergeant

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I received a B.S. and M.S. from the University of Washington School of Aquatic and Fishery Sciences. My research background includes an emphasis on freshwater ecology and salmonids, but I also spent almost 4 years working on hydrologic issues with a hydropower utility in Western Washington. Currently, I am the ecologist for the NPS Southeast Alaska Inventory and Monitoring Network. Our long-term monitoring programs for three national parks include water quality, streamflow, and freshwater contaminants.

Michael Shephard

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Michael is the Program manager for the Southwest Alaska Inventory and Monitoring program for the National Park Service. There are six ecologists and two database managers working to monitor a suite of core metrics across Katmai, Lake Clark, Kenai Fjords, Aniakchak, and Alagnak national park units.

Trey Simmons

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I have a BA in biochemistry from UC Berkeley and an MS in molecular genetics from UCSF. My dissertation research at Utah State focused on the relationship between functional and structural measures of stream ecosystem integrity in a biological water quality assessment context. Since 2005 I have been the aquatic ecologist for the Central Alaska Network. I am responsible for monitoring stream ecosystems, including hydrology, as well as monitoring fish species in the 3 network parks.

Ryan Toohey

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Ryan has been working in water sciences for over 15 years focusing on the integration of water quality with hydrology. Ryan received a BSc from Western Washington University in Environmental Science (Water Quality) and recently received his PhD from the University of Idaho in Environmental Sciences (Hydrology). Ryan currently works as the Science Director for the Yukon River Inter-Tribal Watershed Council. The YRITWC focuses on building capacity through citizen science projects all over the Yukon River Watershed.

John Trawicki

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Water resources Branch Chief, National Wildlife Refuge System, Alaska- over see Water Resources related activities to meet legal (ANILCA) purposes, long range refuge management plans, water rights, jurisdictional and title issues. The branch provides technical guidance to individual refuge and other Service programs, coordinate Regional and National I&M efforts.

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