

Agenda – Tuesday, January 31, 2017. 1:00 p.m. – 5:00 p.m.

Jordan Ballroom D

Registration opens at 12:00 p.m.

1:00 p.m. – 1:05 p.m. **Hawk Stone**
Idaho Department of Environmental Quality
Welcome

1:05 p.m. – 1:10 p.m. **Ralph Myers, moderator**
Idaho Power Company

1:10 p.m. – 1:55 p.m.

Opening Address: Michelle Hladik

U. S. Geological Survey

Changing Pesticide Use: Challenges for Water-Quality Monitoring and Ecological Implications

1:55 p.m. – 2:15 p.m. **Curtis Cooper**
Idaho State Department of Agriculture
Idaho's Pesticides and Water Quality Program Update

2:15 p.m. – 2:40 p.m. **Kirsten Kapp**
Central Wyoming College
Assessing the Occurrence of Microplastics in the Snake River: A "Snapshot"
View

2:40 p.m. – 3:05 p.m. **Monica Hubbard and Haley Robinson**
Boise State University, School of Public Service
Fate, Transport, and Policy Implications of Residential Pharmaceutical Drugs

Break: sponsored by Idaho Power

3:30 p.m. – 3:50 p.m. **Brenda L. Mitchell**
Sawtooth National Forest
Water Quality Best Management Practice Monitoring on the Sawtooth National
Forest

3:50 p.m. – 4:15 p.m. **Robert Tiedemann**
Clean Water Partners, LLC
Expectations for the Future Ability of the Riparian Forest Growing Along Idaho
Rivers to Ameliorate Ambient Water Temperatures

4:15 p.m. – 4:35 p.m. **Melissa Muradian**
Henry's Fork Foundation
Effect of Climate Change on Water Quality Below Island Park Reservoir

4:35 p.m. – 4:55 p.m. **Mark Shumar**
Idaho Department of Environmental Quality
Upper Salmon River Temperature TMDL Analysis

4:55pm – 5:00pm **Closing Remarks**

Agenda – Wednesday, February 1, 2017. 8:30 am – 5:00 pm

Jordan Ballroom D

Morning Refreshments sponsored by Idaho Water Engineering

- 8:30 a.m. – 8:35 a.m. **Barry Burnell**, moderator
Idaho Department of Environmental Quality
- 8:35 a.m. – 9:00 a.m. **Jesse Naymik**
Idaho Power Company
Long-Term Trends and Patterns in Southwest Snake River Nutrients and Chlorophyll a Over the Past 15-22 Years
- 9:00 a.m. – 9:20 a.m. **Elliot Hohn**
The Freshwater Trust
Evaluating the Water Quality Benefits of Irrigation Upgrades in the Grand View Area
- 9:20 a.m. – 9:40 a.m. **Denine Schmitz**
U. S. Bureau of Land Management
BLM Nutrient Monitoring in the Powder Basin
- 9:40 a.m. – 10:00 a.m. **Flint Hall**
Idaho Department of Environmental Quality
Chemical and Isotopic Signatures for Nitrate Sources to Ground Water, Eastern Idaho

Break: sponsored by OTT Hydromet

- 10:20 a.m. – 10:45 a.m. **Ralph Fisher**
U. S. Environmental Protection Agency
Post-Harvest Soil Tests and Their Relation to Surface and Ground Water Quality
- 10:45 a.m. – 11:05 a.m. **Daniel Wise**
U.S. Geological Survey
Estimating Phosphorus Delivery to Streams and Waterbodies in Idaho Using the USGS Sparrow Model
- 11:05 a.m. – 11:25 a.m. **Craig Cooper**
Idaho Department of Environmental Quality
Development of a Phosphorus Nutrient Inventory for the Coeur d'Alene Basin
- 11:25 a.m. – 11:45 a.m. **Jennifer Cornell**
Idaho Department of Environmental Quality
American Falls Reservoir 2001-2016: Tidbits of Wisdom Garnered From a Flood of Data
- 11:45 a.m. – 12:05 p.m. **Adam Van Patten**
Ada County Highway District
4,300 to 3: *E. coli* Source Elimination Success Story – Ada County Highway District's Dry Weather Outfall Screening Program
- 12:05 p.m. – 12:10 p.m. **Closing Remarks**

12:10 p.m. – 1:30 p.m.
Jordan Ballroom A

Keynote Luncheon: *co-sponsored by EcoAnalysts, HDR, and YSI*

Keynote Address: Michael Schwartz

National Genomics Center for Wildlife and Fish Conservation

Environmental DNA: New Technology for Monitoring Endangered and Invasive Species and Creating Biodiversity Inventories

1:40 p.m. – 1:45 p.m.
Jordan Ballroom D

Walt Poole, moderator
Idaho Department of Fish and Game

1:45 p.m. – 2:10 p.m.

Matthew Laramie
U. S. Geological Survey
eDNA Monitoring of Bull Trout and Rainbow Trout Seasonal Distributions in the Bruneau-Jarbidge Rivers Wilderness

2:10 p.m. – 2:35 p.m.

Dan Isaak
U. S. Forest Service, Boise Aquatic Sciences Lab
The Aquatic eDNA Atlas for the American West: All Species, All Streams Through Crowd-Sourcing and One Interagency Database

2:35 p.m. – 3:00 p.m.

Molly Wood
U. S. Geological Survey
National Innovations in Sediment Monitoring

Break: sponsored by Frontier Precision

3:25 p.m. – 3:50 p.m.

Brad Alcorn
Idaho Power Company
Use of Drones for Fall Chinook Redd Counts in the Snake River

3:50 p.m. – 4:15 p.m.

Kyle Blasch
U. S. Geological Survey
Perennial / Non-Perennial Stream Identification Web Application

4:15 p.m. – 4:35 p.m.

Hawk Stone and Gary Hess
Idaho Department of Environmental Quality and Idaho Department of Lands
Idaho Forest Practices Act Audit Results and Summary

4:35 p.m. – 4:55 p.m.

Dorene MacCoy
US Geological Survey
Aquatic Biological Communities and Associated Habitats at Selected Sites in the Big Wood River Watershed, South-Central Idaho, 2014

4:55 p.m. – 5:00 p.m.

Closing Remarks

Agenda – Thursday, February 2, 2017. 8:30 am – 12:00 pm

Jordan Ballroom D

Morning Refreshments sponsored by Clean Water Partners, LLC

- 8:30 a.m. – 8:35 p.m. **Mark Shumar**, moderator
Idaho Department of Environmental Quality
- 8:35 a.m. – 9:00 a.m. **Austin Baldwin**
U. S. Geological Survey
Mercury in the Hells Canyon Reservoir Complex
- 9:00 a.m. – 9:25 a.m. **Stephanie Jenkins**
Idaho Department of Environmental Quality
The Recommended Water Quality Criterion for Selenium: What This Means for Idaho
- 9:25 a.m. – 9:50 a.m. **Mark Solomon**
Idaho Water Resources Research Institute
Water Quality Goals in Collision: CERCLA v CWA

Break: sponsored by Idaho Department of Environmental Quality

- 10:15 a.m. – 10:40 a.m. **Candice Hopkins & James Bartolino**
U. S. Geological Survey
Ambient Water Quality in Aquifers Used for Drinking Water Supplies, Gem County, Idaho
- 10:40 a.m. – 11:05 a.m. **Roy Bartholomay**
U. S. Geological Survey
Evaluating Background Concentrations of Selected Chemical and Radiochemical Constituents From the Eastern Snake River Plain Aquifer
- 11:05 a.m. – 11:30 a.m. **Gordon Rattray**
U. S. Geological Survey
Multi-Tracer Evidence of Water Sources and Geochemical Processes in the Eastern Snake River Plain Aquifer, Idaho National Laboratory, Eastern Idaho
- 11:30 a.m. – 11:55 a.m. **Kevin Brackney**
Nez Perce Tribe, Water Resources Division
Perchlorate/Fireworks Contaminated Groundwater, Richardson Sawmill/Tribal Unit 45, Orofino Idaho
- 11:55 a.m. – 12:00 p.m. **Closing Remarks**