

**Agenda – Tuesday, February 2, 2016. 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.      **Mark Shumar**, Moderator  
*Idaho Department of Environmental Quality*
- 1:10 p.m. – 1:55 p.m.      **Ty Ferré**  
*University of Arizona*  
Seeing Things Differently: Rethinking the Relationship Between  
Data and Models
- 1:55 p.m. – 2:20 p.m.      **Rob Tiedemann**  
*Clean Water Partners LLC*  
Nutrient Trading: Why Incentives are Needed to Grow a Fledgling  
Market
- 2:20 p.m. – 2:45 p.m.      **Cherie Palmer**  
*Idaho Department of Water Resources*  
Water Rights; Understanding the Water Appropriation Process  
Through Time

**Break:** sponsored by OTT Hydromet

- 3:15 p.m. – 3:40 p.m.      **Hannah Harris** and **Greg Mladenka**  
*Idaho Department of Environmental Quality*  
The Unnatural Flow Regime: Effects of Hydrologic Modification on  
Water Quality in Southeast Idaho
- 3:40 p.m. – 4:05 p.m.      **Melissa Muradian**  
*Henry's Fork Foundation*  
Impacts of High Discharge From Island Park Reservoir on  
Downstream Temperature, Turbidity, and Dissolved Oxygen
- 4:05 p.m. – 4:30 p.m.      **Hawk Stone**  
*Idaho Department of Environmental Quality*  
Landscape Plumbing: Mapping the Water of the Treasure Valley
- 4:30 p.m. – 4:55 p.m.      **Megan Dixon**  
*The College of Idaho*  
College Students Analyze Water Quality and Quantity
- 4:55 p.m. – 5:00 p.m.      Closing Remarks

**Agenda – Wednesday, February 3, 2016. 8:30 a.m. – 5:00 p.m.**

*Jordan Ballroom D*

***Morning Refreshments: sponsored by Idaho Water Engineering***

- 8:30 a.m. – 8:35 a.m.      **Ralph Myers**, Moderator  
*Idaho Power Company*
- 8:35 a.m. – 8:55 a.m.      **Don Essig**  
*Idaho Department of Environmental Quality*  
An Overview of What We Know About Mercury, Far and Near
- 8:55 a.m. – 9:15 a.m.      **Greg Clark**  
*US Geological Survey*  
A Study to Evaluate Mercury Cycling in the Hells Canyon Reach of the Snake River, Idaho and Oregon
- 9:15 a.m. – 9:35 a.m.      **Jesse Naymik**  
*Idaho Power Company*  
Controls and Variability of Water Column Stratification of the Hells Canyon Complex Reservoirs
- 9:35 a.m. – 9:55 a.m.      **David P. Krabbenhoft**  
*US Geological Survey*  
Spatial and Temporal Distributions of Mercury and Methylmercury in Surface Waters Across the Hells Canyon Complex

***Break: sponsored by Idaho Power Company***

- 10:10 a.m. – 10:30 a.m.      **George Aiken**  
*US Geological Survey*  
Dissolved Organic Matter and Inorganic Geochemistry of Surface Water Within the Hells Canyon Reservoir Complex
- 10:30 a.m. – 10:50 a.m.      **Mark Marvin-DiPasquale**  
*US Geological Survey*  
Mercury Speciation and Methylmercury Production and Degradation in Reservoir Sediment of the Hells Canyon Complex
- 10:50 a.m. – 11:10 a.m.      **Collin Eagles-Smith**  
*US Geological Survey*  
Methylmercury Entry into the Food Web of the Hells Canyon Complex
- 11:10 a.m. – 11:30 a.m.      **Reed Harris**  
*Reed Harris Environmental Ltd.*  
Why do Fish Mercury Concentrations Increase in the Hells Canyon Complex? A Modeling Approach
- 11:30 a.m. – 11:55 a.m.      **Alexandra Etheridge and Marshall Williams** (speaking)  
*US Geological Survey*  
Continuous Water Quality Monitor Installation Example: Air Purge System to Reduce Sediment Fouling and Improve Data Quality
- 11:55 a.m. – 12:00 p.m.      Closing Remarks

12:00 p.m. – 1:30 p.m.

*Jordan Ballroom A*

**Keynote Luncheon**

*co-sponsored by EcoAnalysts, Brown and Caldwell, HDR*

**Keynote Address: B. Lynn Ingram**

*University of California Berkeley*

A Long Term History of Climate Change in California and the West

1:50 p.m. – 1:55 p.m.

*Jordan Ballroom D*

**Walt Poole**, Moderator

*Idaho Department of Fish and Game*

1:55 p.m. – 2:20 p.m.

**James R. Bartolino**

*US Geological Survey*

Baseline Water Quality Assessment of Groundwater Used for Domestic Supply, Gem County, Idaho, 2015-16

2:20 p.m. – 2:45 p.m.

**Alexandra Etheridge** and **Chris Mebane** (speaking)

*US Geological Survey*

Real-Time Estimates of Arsenic, Antimony, and Mercury Concentrations in the East Fork of the South Fork of the Salmon River above Sugar Creek near the Stibnite Mining Area of Central Idaho

2:45 p.m. – 3:10 p.m.

**Rocky Chase**

*Midas Gold Idaho, Inc.*

Stibnite Gold Project – Remediation through Redevelopment

**Break:** sponsored by *Electronic Data Solutions*

3:40 p.m. – 4:05 p.m.

**Chris Tretter**

*Idaho Department of Lands*

A Summary of Timber Harvest, Conservation Efforts, and Bull Trout Population Structure and Distribution in the Upper Reaches of Hornet Creek in Central Idaho

4:05 p.m. – 4:30 p.m.

**Darren Brandt**

*Advanced Eco-Solutions, Inc.*

Blue-Green Blooms in Idaho During 2015 and Implications for Future Management Efforts

4:30 p.m. – 4:55 p.m.

**Candice Hopkins**

*US Geological Survey*

Harmful Algal Blooms and Cyanobacteria: A National Perspective

4:55 p.m. – 5:00 p.m.

Closing Remarks

**Agenda – Thursday, February 4, 2016. 8:30 a.m. – 12:00 p.m.**

***Morning Refreshments:*** sponsored by Clean Water Partners, LLC

- 8:30 a.m. – 8:35 a.m.      **Don Essig**, Moderator  
*Idaho Department of Environmental Quality*
- 8:35 a.m. – 9:00 a.m.      **Peter Robichaud**  
*Rocky Mountain Research Station*  
Online Modeling Tools: Evaluating Postfire Erosion Risk
- 9:00 a.m. – 9:25 a.m.      **Julia Bond**  
*The Freshwater Trust*  
Analysis of Phosphorus Loading and Agricultural BMPs in the Lower Boise River Basin to Support Water Quality Trading
- 9:25 a.m. – 9:50 a.m.      **Chris Murphy**  
*Idaho Department of Fish and Game*  
Assessing Potential Functions and Condition of Restored, Enhanced, and Created Wetlands in Idaho

***Break:*** sponsored by Idaho Department of Environmental Quality

- 10:15 a.m. – 10:40 a.m.      **Kristin Larson**  
*Idaho Department of Environmental Quality*  
Understanding the Efficacy of Floating Treatment Wetlands on Hayden Lake: Part I
- 10:40 a.m. – 11:05 a.m.      **Robert Steed**  
*Idaho Department of Environmental Quality*  
Understanding the Efficacy of Floating Treatment Wetlands on Hayden Lake: Part II
- 11:05 a.m. – 11:30 a.m.      **Christy Meyer**  
*The Freshwater Trust*  
Watershed-Scale Restoration in Mid-Snake River for Hydropower Compliance and Ecological Benefit
- 11:30 a.m. – 11:55 a.m.      **Mark D. Morehead**  
*Idaho Power Company*  
Pre-Implementation Monitoring for the Bayha Island Enhancement Research Project on the Mid-Snake River near Walters Ferry
- 11:55 a.m. – 12:00 p.m.      Closing Remarks