



Idaho Water Quality Workshop

WEDNESDAY, MARCH 5

SESSION 1: EMERGING CONTAMINANTS AND THE LOWER BOISE RIVER

9:10 AM - 9:30 AM

MEETPAL KUKAL *University of Idaho - Boise*
Soil carbon impacts on hydrologic outcomes in agricultural landscapes

9:30 AM - 9:50 AM

AUSTIN BALDWIN *US Geological Survey*
Spatial patterns and temporal trends in water-quality in the lower Boise River and its tributaries

9:50 AM - 10:10 AM

TOM POINTS AND ERIN COX
City of Nampa and Jacobs
Innovative constructed wetland to mitigate contaminants of emerging concern for City of Nampa

10:10 AM - 10:40 AM BREAK

10:40 AM - 11:00 AM

ANNIE PRICE *The College of Idaho*
Microplastics in the Boise River basin

11:00 AM - 11:20 AM

CHLOE ARTHAUT *University of Idaho*
Tracking tires: developing a 6PPD-q hazard atlas for Idaho watersheds

11:20 AM - 11:40 AM

MARY ENGELS *University of Idaho*
Crayfish as indicators of 6PPD-q in Idaho waters

11:40 AM - 12:00 PM

CLIFFORD SWANSON *University of Idaho*
Microbiome-scale identification of surface water pollution

SESSION 2: NUTRIENTS AND LAKES

1:40 PM - 2:00 PM

CHRIS MEBANE *US Geological Survey*
Nuisance aquatic plants in the Snake River in southern Idaho in relation to nutrients and flow

2:00 PM - 2:20 PM

BEN CASSCLES *Aquatechnex*
Mitigating external and internal phosphorus loading on Moses Lake, WA

2:20 PM - 2:40 PM

RYAN VAN GOETHEM *EutroPHIX*
Water quality improvement planning: Fernan Lake, Idaho

2:40 PM - 3:00 PM

JEREMEY VARLEY
Idaho State Department of Agriculture
Quagga mussels update

3:00 PM - 3:20 PM BREAK

3:20 PM - 3:40 PM

DANIELE TONINA *University of Idaho*
A novel approach to map juvenile salmon carrying capacity at the riverscape

3:40 PM - 4:00 PM

PHIL BRANIGAN *Idaho Department of Fish and Game*
An evaluation of the white sturgeon population and sport fishery at C.J. Strike Reservoir in response to an acute, localized mortality event

4:00 PM - 4:20 PM

ANDY EFTA *US Forest Service*
How much dirt is in the creek? A probabilistic approach to assessing sediment delivery risk to waterbodies on National Forest System lands

4:20 PM - 6:00 PM

POSTER SESSION AND SOCIAL HOUR



Idaho Water Quality Workshop

THURSDAY, MARCH 6

SESSION 3: DATA, FIRE AND RESTORATION

9:00 AM - 9:20 AM

DANIEL SMITH *Idaho DEQ*

Implementing a data management system for water quality data

9:20 AM - 9:40 AM

KENDRA KAISER

Idaho Water Resources Research Institute

Building community water consciousness through equitable access to water information

9:40 AM - 10:00 AM

ALLISON LEBEDA

Nez Perce Tribe Water Resources Division

Minimum streamflows in the Clearwater River basin

10:00 AM - 10:20 AM

KERRI TREINEN *US Geological Survey*

Seventy-five years of hydrologic research on the Eastern Snake River Plain Aquifer at Idaho National Laboratory

10:20 AM - 10:45 AM BREAK

10:45 AM - 11:05 AM

JOANN HOLLOWAY *US Geological Survey*

Role of wetland hydrology in post-fire remobilization of trace metals from legacy mine lands

11:05 AM - 11:25 AM

BEN NEVIS MCGEE *US Geological Survey*

Forensic geomorphometry: intersections of fish habitat, mine waste, and wildfire

11:25 AM - 11:45 AM

JEANNE MCFALL *RIVHAB Engineering Design*

Reconstructing resilience: restoring stream function and biodiversity from legacy impacts

11:45 AM - 12:05 PM

ERIC WINFORD *University of Idaho*

MARTHA BRABEC *City of Boise Parks and Recreation*

Creating resilient waterways: a process-based collaborative approach to intermittent stream restoration in the Boise Foothills

SESSION 4: NONPOINT SOURCE POLLUTION

1:35 PM - 1:55 PM

SARAH HANSEN *Idaho Transportation Department*

Roadside management and chemical application

1:55 PM - 2:15 PM

STEVEN SMITH *Idaho DEQ*

Restoration in the Blackfoot River watershed: partnership pays

2:15 PM - 2:35 PM

LORETTA STRICKLAND

Idaho Soil and Water Conservation Commission

Nonpoint Source Collaboration

2:35 PM - 2:55 PM

JACK MCLAREN *Henry's Fork Foundation*

Wakesurfing boats pose emerging threat to water quality in Henry's Fork Watershed: evidence from long-term monitoring

2:55 PM - 3:15 PM BREAK

3:15 PM - 3:35 PM

JUSTIN SHAW *HMH Engineering*

Erosion control on Lookout Pass Culvert

3:35 PM - 3:55 PM

TONY ORLANDO *The Freshwater Trust*

StreamBank Administrative Systems for watershed program implementation and management

3:55 PM - 4:15 PM

HAWK STONE *Idaho DEQ*

The Idaho Forest Practices Act – 2024 audit results