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WALPA's 30th CONFERENCE SCHEDULE 2017	
11am - 12:30pm Registration	WED
12:30-5:00pm Workshops A & B A - Invasive Species: Plants and Animals B - Lake Sampling: Instrumentation and Methods	
7 - 8:30am, Registration/Breakfast Exhibitor Booths / Raffle & Silent Auction Open	THURS
8:30 - 10am, Welcome & Plenary Session	
10 - 10:30am Break	
10:30 - Noon, Session 1 Topics in Local Limnology I	
Noon - 1:30pm, Lunch Secchi & Scholarship Winners, WALPA Business	
1:30 - 3pm, Session 2 Phytoplankton and More	
3 - 3:30pm Break	
3:30 - 5:00pm, Session 3 Topics in Local Limnology II	
5:00 - 7pm, Poster Session / Social Hour Beer and Wine, Raffle Drawings, Silent Auction Closes - Sponsored by YSI & OTT Hydromet	FRI
7 - 8:30am, Registration/Breakfast	
8:30 - 10am, Session 4 Monitoring and Management	
10 - 10:30am, Break	
10am - Noon, Session 5 Volunteer Monitoring	



OCTOBER 11th-13th, 2017 **SPOKANE WASHINGTON**

WALPA Conference Special Events:

2017 Secchi Disk Award

The Secchi Disk Award is nominated by the WALPA membership and voted on by the Board of Directors to honor a member in recognition of their outstanding contribution to the science, management, or protection of lakes in Washington or Idaho. **In 2017 the Board is honored to present the Secchi Disk Award to Harry Gibbons!** Harry's long career in lake and reservoir restoration and management (not to mention all the stream and river restoration work) has been devoted to bettering the science of lake management and advocating for lake protection in Washington State and across the United States. Harry was a founding member of WALPA and has served on the WALPA board both as a director and President in 1990. Harry also served on the NALMS board of directors for three different terms, one as President Elect, President and Past President. In 2012, Harry was recognized by NALMS and given their Secchi Disk Award for his outstanding technical contributions and service to help promote lake management. This year WALPA is proud to follow suit and Harry was unanimously voted to be the recipient of our annual award of recognition.

Evening Social

Please join us on Thursday night for appetizers, drinks and good company. It's a great time to unwind and network with fellow WALPA members. Refreshments provided with the first drink ticket on the house.

Annual Scholarship Auction and Raffle

During the evening social, WALPA will be holding its annual raffle and auction to raise funds for student scholarships, research and outreach. This year there will be an action-packed live auction with the latest water quality instrumentation from OTT Hydromet, YSI, and In-Situ. The silent auction and raffle will also have a variety of items including outdoor gear, books, gift certificates and beer from local breweries. You must be there for the raffle, but not the silent auction. We hope to see you there.

WALPA Business Meeting Agenda

- 1) **Introduction** – Jim Gawel, WALPA president
- 2) **Scholarship Awards** – Anthony Gabriel, scholarship committee
- 3) **Retiring and New Board Members** – Randy Hadland, nominations committee
- 5) **WALPA 2017 review**–Jim Gawel, outgoing WALPA president
- 6) **WALPA 2018 goals** – Rachael Gravon, incoming WALPA president



Lakes: A Valuable Public Resource - Session Schedule

Wednesday – October 11th

11:00 - Registration Opens

Tower Prefunction Room also open to exhibitors for setup

12:00 - 5:00 Workshops

WORKSHOP A

Invasive Species: Plants and Animals

Molly McMahon, Program Coordinator, Idaho Lakes Commission

Jenifer Parsons, Washington Department of Ecology

WORKSHOP B

Lake Sampling: Instrumentation and Methods

Jim Gawel, University of Washington Tacoma

Thursday October 12th

7:00 - Registration/Breakfast

Exhibitor Booths/Raffle and Silent Auction Open

8:30 - Welcome and Plenary Session

Riverfront Ballroom

- Idaho DEQ and Coeur d'Alene Tribe
- **Rebecca Stevens and Laura Laumatia**, Coeur d'Alene Tribe Lake Management Department
- **John Tippets**, Director, Idaho Department of Environmental Quality
- **Jamie Brunner**, IDEQ Coeur d'Alene Regional Office

The story of Coeur d'Alene Lake offers a unique example of natural resource management. By deferring a remedy for historic impacts, EPA moved Coeur d'Alene Lake outside the CERCLA realm to allow the State of Idaho and the Coeur d'Alene Tribe to address it through a management plan under their respective Clean Water Act authorities. With an estimated 75 million metric tons of metals-contaminated sediments residing on the lake bed from historic mining, the

plan aims to protect lake health through keeping those metals in place. Implementation of this plan involves many complex layers, including shared water quality jurisdiction, the relationship between science and decision-making, and the challenge of soliciting participation basin-wide when the source of pollution is not visibly evident in the lake. These representatives from the State and Tribe will share the story of their experiences in tackling these challenges.

10:00 - Break

10:30 - Session 1

TOPICS IN LOCAL LIMNOLOGY I

– Riverfront Ballroom

- **Moderator – Tim Clark**, King County

“Development of a Phosphorus Nutrient Inventory for the Coeur d'Alene Basin”

- **Craig Cooper**, Idaho Department of Environmental Quality, Coeur d'Alene Regional Office

“Dilution of Moses Lake for forty years: Hypereutrophic to Mesotrophic”

- **Shannon Brattebo**, Lake Advocates

“Long-term Environmental Change in Coeur d'Alene Lake, Idaho”

- **Craig Cooper**, Idaho Department of Environmental Quality, Coeur d'Alene Regional Office

“Lake Chelan: an understudied, ultradeep, ultraoligotrophic, fiord-style lake in the north Cascades”

- **David Philip Long**, Lake Chelan Research Institute

12:00 – Lunch

Riverfront Ballroom

SECCHI AWARD, SCHOLARSHIP WINNERS AND OTHER WALPA BUSINESS – Renaissance Room

1:30 - Session 2

PHTYOPLANKTON AND MORE

– Riverfront Ballroom

- **Moderator – Randy Hadland**, Xylem Inc.

“An Overview of Toxic Algae”

- **Robin Matthews**, Western Washington University

“Influences of Lake Mixing Regime on Arsenic Transfer from Sediments into the Water Column and Bioaccumulation in Plankton”

- **Kenneth Burkart and Erin Hull**, University of Washington Tacoma

“People and Periphyton: How Land-use Affects Primary Producers in the Streams of Southern Ecuador”

- **Augusto Gabrielli**, University of Idaho

“Glacial relict snails found in Washington State lakes”

- **Edward J. Johannes**, Deixis Consultants SeaTac

3:00 - Break

3:30 - Session 3

TOPICS IN LOCAL LIMNOLOGY II

– Riverfront Ballroom

- **Moderator – Lizbeth Seebacher**, Washington Department of Ecology

“Reservoir DO related to inflow TP concentration and water residence time”

- **Shannon Brattebo**, Tetra Tech, Inc.

“Ars Lake Spokane Hatchery Rainbow Trout Habitat Assessment”

- **Chris Moan**, Avista

“Investigating Non-lethal Age Estimation in a Lentic Brook Trout Population”

- **Timothy Taylor**, Washington State University-Pullman

“Aquatic Invasive Species Prevention at Lake Roosevelt National Recreation Area”

- **Meghan Lyons**, Lake Roosevelt National Recreation Area, National Park Service

5:00 - 7:00 Poster Session/ Social Hour

Tower Prefunction/Riverfront Ballroom

Beer and Wine, Raffle Drawings, Silent Auction Closes

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Friday – October 13th

7:00 - Registration/Breakfast

8:30 - Session 4

MONITORING AND MANAGEMENT- Riverfront Ballroom

- **Moderator – Jim Gawel**, University of Washington

“Taking the Pulse of King County’s Lakes and Streams”

- **Daniel Nidzgorski**, King County Water and Land Resources Division

“The Regulatory History and Future of Lake Union”

- **Timothy Clark**, King County Water and Land Resources Division

“Long Lake Dam TDG Spillway Modification Project”

- **Meghan Lunney**, Avista

“Eurasian watermilfoil control for the long haul: lessons learned over 23 years of control in Snohomish County”

- **Katie Ruthenberg and Marisa Burghdoff**, Snohomish County Public Works Surface Water Management

10:00 - Break

10:30 - Session 5

VOLUNTEER MONITORING – Riverfront Ballroom

- **Moderator – Jen Oden**, Snohomish County

“Assessment of Volunteer Lake Monitoring Programs”

- **Joy M. Ramstack Hobbs**, Washington State Lake Protection Association

“Washington Community Allied Lake Monitoring (WA CALM): A Collaborative State-Wide Volunteer Lake Monitoring Pilot”

- **James Gawel**, University of Washington Tacoma

“Analysis of Volunteer Activity in a University Extension Citizen Science Water Quality Monitoring Program”

- **Jim Ekins**, University of Idaho Extension

REMINDERS

Elections – Turn in your ballots at registration

Student Awards – Be sure to pick the best student talk and student poster

Photo Contest – Cast your vote for this year’s best photographer

Recertification Credits – Sign up at Registration to qualify for applicator license credits

POSTERS

On Display Throughout the Conference

“Using stable isotopes to investigate seasonal trophic positioning of invasive northern crayfish (O. virilis) in a large, oligotrophic lake”

- **Tim John Loffredo**, Washington State University

“The Effect of Beaver Dams on Macroinvertebrate Communities”

- **Anna Shampain**, University of Puget Sound

“The Use of Algae as a Biomonitoring Tool in High-Elevation Lakes of the North Cascades”

- **Michael Lawlor**, Western Washington University