

2024 OLA/WALPA Joint Lakes Conference Program Agenda

Session	Presentation ID	Start	Length	Stop	Presentation Title	Presenter	Affiliation
WEDNESDAY OCTOBER 9, 2024							
1. New Technologies Moderator: Rob Zisette, Herrera	Room Setup	7:30	1:30	9:00	Set-up sponsor tables and posters		
	Opening Remarks	9:00	0:05	9:05	Conference Welcome		
	Wed 1A (Keynote 1)	9:05	0:30	9:35	Keynote: Exploring Aquatic Biodiversity with eDNA	Brooke Penaluna	USDA Forest Service, Corvallis
	Wed 1B	9:35	0:20	9:55	Remote Sensing As a Tool To Understand Harmful Algal Blooms in Western Washington Lakes	Gopal Mulukutla	University of Washington Tacoma
	Wed 1C	9:55	0:20	10:15	Conceptual Model for Taste and Odor Compounds in Lakes and Reservoirs	Scott Wells	Portland State University
	Wed. Morning Break	10:15	0:25	10:40			
2. HAB Science Moderator: Theo Dreher, OSU	Wed 2A	10:40	0:20	11:00	Synthesizing 35 Years of Water Quality Data from Willow Creek Reservoir, OR	Sarah Burnet	U.S. Army Corps of Engineers, University of Idaho
	Wed 2B	11:00	0:20	11:20	Cyanotoxins in Upper Klamath Lake, OR	Megan Skinner	U.S. Fish and Wildlife Service
	Wed 2C	11:20	0:20	11:40	Investigating Cyanotoxin Drivers in Detroit Lake, OR	Norman Buccola	U.S. Army Corps of Engineers, Portland District
	Wed 2D	11:40	0:20	12:00	Two Species of Dolichospermum Define the Cylindrospermopsin and Microcystin Toxicity in Detroit Reservoir, OR	Theo W Dreher	Oregon State University
	Wednesday Lunch	12:00	1:15	13:15	Early Career & Mentorship Program Lunch	Mentors/Mentees	At reserved table
3. HAB Management 1 Moderator: Will Hobbs, WA Dept of Ecology	Wed 3A (Keynote 2)	13:15	0:30	13:45	Keynote: Columbia River HABs	Patrick Moran	U.S. Geological Survey
	Wed 3B	13:45	0:20	14:05	A Lake That Flows Both Ways Part 2: The Implementation Game	Katie Sweeney	Herrera Environmental Consultants
	Wed 3C	14:05	0:20	14:25	A Lake-Scale Test of Using Zero Valent Iron for Mitigation of Hazardous Algal Blooms, Lake Steilacoom, WA	Jeffrey Tepper	University of Puget Sound
	Wed 3D	14:25	0:20	14:45	Oxygen Saturation Technology for HAB Control in Washington Lakes	Rob Zisette	Herrera Environmental Consultants
	Wed. Afternoon Break	14:45	0:25	15:10			
4. Water Quality Moderator: Toni Pennington, ESA	Wed 4A	15:10	0:20	15:30	Decreasing Fecal Indicator Bacteria in Lake Union and the Lake Washington Ship Canal	Curtis DeGasperi	King County Water and Land Resources Division
	Wed 4B	15:30	0:20	15:50	The King County Conundrum: Statistical Analysis of Long-Term Trends in Water Quality throughout Streams in King County, WA.	Emily French	University of Washington (student)
	Wed 4C	15:50	0:20	16:10	A Spatial Screening Model for Identifying Priority Road Segments for Managing a Toxic Tire Chemical (6PPD-q)	Tim Clark	Herrera Environmental Consultants
	Wed 4D	16:10	0:20	16:30	How Algae Sensors Work	Bill Mann	In-Situ Inc.
	OLA and WALPA Business Meetings	16:30	0:30	17:00	Separate half-hour meetings open to all		
	Social, Auction, and Poster Presentations	17:00	2:00	19:00	See poster presenters below. Auction closing times will be announced.		

THURSDAY OCTOBER 10, 2024

5. AIS Management Moderator: Angela Streecker, IWS-WWU	Opening Remarks	8:30	0:05	8:35	Conference Announcements		
	Thu 5A (Keynote 3)	8:35	0:30	9:05	Keynote: Zebra-Quagga Mussel Monitoring and Planning in Washington State	Brian Turner	Washington Department of Fish and Wildlife
	Thu 5B	9:05	0:20	9:25	Prioritizing Early Detection Work for Aquatic Nuisance Species	Jacob Rose	Center for Lakes & Reservoirs - PSU
	Thu 5C	9:25	0:20	9:45	Sequential Use of Multiple Methods to Control of Aquatic Weeds in the Tahoe Keys, South Lake Tahoe, CA	Toni Pennington	Environmental Science Associates (ESA)
	Thu 5D	9:45	0:20	10:05	Online Boater Led Check-In/Check-Out AIS Prevention Tool	Jacob Utrie	CD3 General Benefit Corporation
	Thu Morning Break	10:05	0:25	10:30			
Lake Ecology 1 Moderator: Curtis DeGasperi, King County	Thu 6A	10:30	0:20	10:50	Effects of Reservoir Type (Run-of-River vs. Storage) on Native and Invasive Zooplankton Assemblages	Jess Mitchell	Washington State University Vancouver (student)
	Thu 6B	10:50	0:20	11:10	Assessing Differences in Phytoplankton and Microzooplankton Community Structure Between Detroit Lake and Bonneville Reservoir	McKenzie Frazier	Washington State University Vancouver (student)
	Thu 6C	11:10	0:20	11:30	Non-Native Fish Removal: Macroinvertebrate Community Response in Historically Fishless Mountain Lakes	Ty Stephenson	Western Washington University (student)
	Thu 6D	11:30	0:20	11:50	Terrestrial Carbon Linkages to Aquatic Communities Following the 1980 Mount St. Helens Eruption	Katey Queen	Western Washington University (student)
	Thursday Lunch	11:50	1:15	13:05			
7. Lake Ecology 2 Moderator: Katey Queen, WWU	Thu 7A	13:05	0:20	13:25	Monitoring Change Over Time Through Paleolimnological Reconstruction of Cultural Eutrophication and Recovery in Medical Lake, WA	Crysta Gantz	Portland State University (student)
	Thu 7B	13:25	0:20	13:45	Estimating Decomposition Rates of Water Stargrass (<i>Heteranthera dubia</i>), A Potential N Sink in a Lowland Agricultural River	John P. Buster	Washington State University Tri-Cities (student)
	Thu 7C	13:45	0:20	14:05	Integrating Diverse Resources to Better Understand and Manage the Aquatic Ecology of Multiple Water Bodies in a Private Community	David Scheirman	Birch Bay Village Community Club Association
	Thu 7D	14:05	0:20	14:25	Gaming the Grit: Societal Engineering in the era of Drying Lakes and the Dust Bowl Apocalypse	Todd Jarvis	Institute for Water & Watersheds, Oregon State University
	Thu Afternoon Break	14:25	0:20	14:45			
8. HAB Management 2 Moderator: Tim Clark, Herrera	Thu 8A	14:45	0:20	15:05	Lake Stevens - A Restoration Journey	Marisa Burghdoff	Snohomish County
	Thu 8B	15:05	0:20	15:25	Advancing Sediment Analysis for Phosphorus Mitigation in Lakes	Ryan Van Goethem	EutroPHIX
	Thu 8C	15:25	0:20	15:45	Mitigating External and Internal Phosphorus Loading on Moses Lake, WA	Ben Casscles	Aquatechnex
	Thu 8D	15:45	0:35	16:20	Panel on Lake Alum Treatments in Washington	William Hobbs	Washington State Department of Ecology
	Travel to River Dinner Cruise Boat	16:20	0:55	17:15	Boarding starts at 5:15 pm. Transport not provided. Transit and carpools encouraged.	Portland Spirit Cruises at Caruthers Landing	110 SE Caruthers St, Portland, OR 97214
	River Dinner Cruise	17:30	2:30	20:00	Departure at 5:30 pm. Return at 8:00 pm. Presentation on Ross Island Lagoon HABs. Register separately.	Desiree Tullos and Kurt Carpenter	OSU and USGS

POSTERS

Posters	Posters available for viewing on Wednesday and Thursday with author presentations on Wednesday evening	Using Lanthanum Modified Bentonite to Immobilize Arsenic in Lake Sediments	Sasha Vinogradova	University of Washington Tacoma (student)
		Assessing the Efficacy of the Washington Ban on Phosphorus Fertilizer	Pilar Deniston	Institute for Watershed Studies at Western Washington University (student)
		Predicting Rate of Unreported Exogeneous Nutrients Contributing Lake Eutrophication: Using Hybrid ML Model	Kunal Rathore	Oregon State University (student)
		Predicting Algae Blooms by Remote Sensing in Washington Lakes	Violette Lafferty	University of Washington Tacoma (student)
		Dynamics of Integrated Socio-Environmental Systems: Dams as Adaptive Management Systems (DISES: DAMS)	John A. Harrison	Washington State University Vancouver
		Excel Spreadsheet Equivalent of Appendix B, Atlas of Oregon Lakes	David R. Sherrod	USGS (retired)
		Restoring Oregon Spotted Frog Habitat: Satellite Data as a Tool to Monitor Oxbow Hydrology in Floodplains of the Little Deschutes River	Baxter Millsap	Northwest Youth Corps/Americorps
		Distribution, Abundance, and Ecological Associations of the Western Ridged Mussel, Western Pearlshell, and Asian Clam in the Columbia River Basin, USA	Nathaniel Neal	Washington State University Vancouver (student)
		A Design for a Mesocosm Array to Simulate Thermally Variable Pond Environments	Danny Gibson	Reed College, Department of Biology (student)
		Investigating Environmental Controls on the Growth and Toxin Production of <i>N. Pruniforme</i>	Harrison Jones and Miranda Kubek	Reed College, Department of Biology (students)
		Sensitivity and Uncertainty of Parameters in Cyanobacteria Models	Zoe Chavis	Oregon State University (student)

FRIDAY OCTOBER 11, 2024

Workshops	1. HABs 8:30 am - 12:30 pm	1. Harmful Algal Booms Programs and Strategies in OR and WA		Workshop Leaders	
		8:30-8:45	Introductions; goals for workshop	Dan Sobota	Oregon Dept.of Environmental Quality
		8:45-9:05	HABs research, policy, and management efforts in OR and WA from EPA Region 10 (Rochelle)	Cecilia Welch	Washington Department of Health
		9:05-9:25	Overview of HABs work in Washington (Cecilia, Will, and others)	Will Hobbs	Washington Department of Ecology
		9:25-9:45	Overview of HABs work in Oregon (Dan, Nathan, Linda, Julie, Gregg)	Nathan Reetz	Oregon Dept.of Environmental Quality
		9:45-10:00	Break	Julie Harvey	Oregon Dept.of Environmental Quality
		10:00-11:00	(all): policy/management, remote sensing, genetics and monitoring, and shared waters and communications.	Linda NovitskiGregg Baird	Oregon Health Authority Oregon Health Authority
		11:00-11:10	Break	Theo Dreher	Oregon State University
		11:10-11:40	Overview of HABs research from the USGS (Kurt)	Kurt Carpenter	U.S. Geological Survey
		11:40-12:00	National Nutrient Inventories, Harmful Algal Blooms, and Risks to Drinking Water Systems	Rochelle Labiosa	U.S. Environmental Protection Agency
		12:40-12:20	Review of genetic and toxigenic data and connection with other HABs data in OR and WA (Theo)	Michael Pennino	U.S. Environmental Protection Agency
		12:20-12:30	Wrap-up	Robert Sabo	U.S. Environmental Protection Agency
		2. AIS 8:30 am - 12:30 pm	2. Aquatic Invasive Species Identification, Prevention, and Control		Workshop Leaders
	8:30-8:45		Introductions, goals for workshop	Ben Peterson	King County Noxious Weed Program
	8:45-10:15		Introduce participants to invasive aquatic plants and common native aquatic plants in Washington and Oregon (Ben, Jacob, Wes, and Gabriel)	Wes GlissonJacob Rose	Washington Department of Ecology PSU Center for Lakes and Reservoirs
	10:15-10:45		Break	Gabriel Campbell	PSU Center for Lakes and Reservoirs
	10:45-12:15		Introduce participants to invasive aquatic wildlife and their threat to Oregon and Washingtons native species and habitat (Keith and Brian)	Brian TurnerKeith DeHart	Washington Dept. of Fish and Wildlife Oregon Department of Fish and Wildlife
	12:15-12:30		Wrap-up	Jacob Rose	PSU Center for Lakes and Reservoirs