



# WALPA

Washington State Lake  
Protection Association

38th Annual Conference

## Scabland Lakes of Eastern Washington

October 8-10, 2025 Moses Lake, WA

### Conference Events & Info

#### Meeting Space

The conference sessions on Wednesday afternoon through Thursday will take place in the Best Western Plus Lake Front Hotel, 3000 W Marina Dr., Moses Lake, WA 98837, 509-765-9211

#### Wednesday Afternoon Keynote Speakers

We are excited to kickoff the conference with keynote presentations by Dr. Chad Pritchard on Scabland Lake Formation and Dr. Leo Bodensteiner on Soap Lake, a nearby and recently designated Outstanding Resource Water. And special guest author Matt Sullivan will thrill us with readings of his new mystery novel "[Midnight in Soap Lake](#)", so get yourself a copy to read before the conference.

#### Wednesday Evening Social, Poster Presentations, & Fundraiser Raffle/Auctions

Please join us on Wednesday night for posters, appetizers, drinks, and good company. It's a great time to unwind, network with fellow attendees, and visit with Poster authors. During the social, WALPA will be holding a raffle and silent auction to raise funds for student scholarships, research, and outreach. The silent auction and raffle will have a variety of items including outdoor gear, sports swag, artwork, books, beer and wine, and gift certificates from local breweries and restaurants. You must be present for the raffle. We hope to see you there!

And this year, WALPA started an online auction before the conference to raise money for student scholarships. From early September to 1 pm Thursday at the conference, you can bid on two new state-of-the-art water quality instruments from In Situ and YSI, which you can get



trained on at the conference! Scan the QR code to bid on an In Situ Aqua TROLL 500 Multiparameter Sonde with probes (value \$6,500) at a starting bid of \$3,500 and a YSI ProSolo Handheld Meter with optical dissolved oxygen and temperature probe assembly (value \$2,000) at a starting bid of \$1,000.



Scan code to bid

#### Thursday Lunch Business Meeting

WALPA's business meeting will be held during the lunch provided to all on Thursday. We will welcome new board members and thank those ending their term. We will announce this year's Secchi Disk Award for their outstanding contribution to lakes, and celebrate the following student scholarship awards:

- *Dave Lamb Memorial Scholarship*: Ty Stephenson, Western Washington University
- *WALPA Graduate Scholarship*: Brianna Decora, University of Idaho

#### Thursday Afternoon Workshops

Bring your multimeter and attend a 2-hour, water quality monitoring equipment workshop by either In Situ or YSI (see description below).

#### Thursday Evening Social

Gather with fellow lake enthusiasts at the Moore Brewing Company on Parker Horn in downtown Moses Lake and enjoy a wonderful assortment of craft beers and fine food.

#### Friday Morning Field Trip

Friday morning will be dedicated to a local field trip to see Channeled Scabland lakes! Drive on your own or carpool with others to explore the region and learn about local lakes. The trip will be from 8:30 am to 12:30 pm.

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# Scabland Lakes of Eastern Washington

## SESSION SCHEDULE

### Wednesday, Oct. 8

**12:00-1:00pm**

**REGISTRATION**

**1:00-1:10pm**

**WELCOME & OPENING REMARKS**

**1:10-3:00pm**

**SESSION 1: SCABLAND LAKE FORMATION  
AND MOSES LAKE**

**Moderator: Angela Strecker**

**Keynote: Unique Lakes Formed by Catastrophic Ice Age  
Megafloods**

- Chad Pritchard, *Department of Geosciences, Eastern  
Washington University*

**Forty-eight Years of Diluting Phosphorus in Moses Lake**

- Shannon Brattebo, *Tetra Tech, Inc.*  
- Co-author: Dr. Gene Welch

**Integrating Phosphorus Sequestration Approaches into  
Water Quality Management of Moses Lake, WA**

- Ryan Van Goethem, *EutroPHIX*  
- Co-authors: Terry McNabb, Alexis Fischer Ph.D.,  
Scott Shuler

**Grant County Healthy Lakes Algae Tracker: Restoring  
Public Confidence in Moses Lake**

- Ronnie Sawyer, *Columbia Basin Conservation District*  
- Co-authors: Deanna Elliott, Stephanie Shopbell

**You Win Some, You Lose Some: Macroinvertebrate  
Temporal Beta Diversity Analysis of Mountain Lakes in  
Washington's Cascade Range Reveals High Community  
Turnover**

- Ty Stephenson, *Western Washington University*  
- Co-authors: Angela Strecker, Ashley Rawhouser, Hugh  
Anthony, Carmen Archambault, Rebecca Lofgren, John  
Boetsch, Kristen Bonebrake, Katherine Braun

**3:00-3:20pm**

**BREAK**

**3:20-5:30pm**

**SESSION 2: SOAP LAKE AND LAKE  
COEUR D'ALENE**

**Moderator: Jamie Brunner**

**Book Reading: Midnight in Soap Lake: A Novel  
Matthew Sullivan, Author**

**Keynote: The Unique Properties of Soap Lake, a  
Meromictic Gem**

- Leo Bodensteiner, *Western Washington University*

**Phosphorus and Nitrogen from Coeur d'Alene Lake's  
Tributary Network**

- Craig Cooper, *Idaho Department of Environmental Quality*

**A Paleo-limnological Investigation of Coeur d'Alene  
Lake Sediments – Year 1 of 3**

- Ben Scofield, *Coeur d'Alene Tribe - Water Resources Program*  
- Co-authors: Daniel Gavin, Jeffery Stone, Hirak Parikh,  
Craig Cooper, Dale Chess

**Bay Watchers: Lake Coeur d'Alene Citizen Science Water  
Quality Monitoring Program**

- Meg Wolf, *Idaho Water Resources Research Institute*

**5:30-8:00pm**

**SOCIAL, AUCTION, & POSTER PRESENTATIONS**

### Thursday, Oct. 9

**8:20-8:30am**

**ANNOUNCEMENTS**

**8:30-10:10am**

**SESSION 3: HABS MANAGEMENT**

**Moderator: Curtis Degasperi**

**Between The Tides: Managing HABs in a Constructed  
Freshwater Canal System along the Washington Coast**

- Katie Rodriguez, *Herrera Environmental Consultants*  
- Co-author: Tim Clark

**Developing a Lake Management Plan for Wiser Lake  
through Monitoring, Modeling, and Stakeholder  
Engagement**

- Mark Rosenkranz, *Aquatic Insight LLC*  
- Co-authors: Robert Annear, Zoe Rodriguez del Rey, Dr.  
Lizbeth Seebacher

**Lacamas Watershed Path to Recovery**

- Rodger Hauge, *Lacamas Watershed Council*  
- Co-author: Vicky Wessling

**Adaptive Monitoring and Management of  
Cyanobacterial Blooms in Lacamas Lake System**

- Zoe Rodriguez del Rey, *Annear Water Resources*  
- Co-authors: Rob Annear, Mark Rosenkranz, Brian  
Monnin, Noah Benitez-Nelson

**Lake-Scale Application of Zero Valent Iron for  
Phosphorus Sequestration in Lake Steilacoom,  
Pierce County, Washington**

- Jake Walker, *Northwest Aquatic Management*  
- Co-authors: Jeffrey Tepper, Don Russell, Kyle Steelhammer

**10:10-10:30am**

**BREAK**

**10:30-12:10am**

**SESSION 4: INVASIVE SPECIES MANAGEMENT**

**Moderator: Darren Brandt**

**Early Detection Monitoring for Invasive Mussels in  
Washington State**

# Scabland Lakes of Eastern Washington

## SESSION SCHEDULE

- Rody Seballos, *Washington Department of Fish and Wildlife*
- Co-author: Nicholas Plants

### Permitting Chemical Applications for Lake Management

- Shawn Ultican, *Washington State Department of Ecology*

### Effectiveness of Florypyrauxifen-benzyl for Invasive Milfoils in Washington State

- Lauren Kuehne, *Omfishient Consulting*
- Co-authors: David Heimer, Ben Peterson

### Aquatic Plant Management in Lake Tapps, Pierce County

- Rich Miller, *Environmental Science Associates*
- Co-authors: Toni Pennington, Paula Anderson, Melina Thung

### Seeing Beneath the Surface: Interactive Mapping of Plants, Animals, and Change in Our Lakes

- Dominick Leskiw, *Snohomish County Surface Water Management*
- Co-authors: Marisa Burghdoff, Jennifer Oden, Ethan Fleming

**12:10 – 1:30pm**

### LUNCH AND ANNUAL WALPA BUSINESS MEETING

**1:30 - 3:10pm**

### SESSION 5: DIVERSE LAKE MANAGEMENT STRATEGIES

**Moderator: Will Hobbs**

#### Protecting Lake Tapps Reservoir as a Future Water Supply in the Puget Sound Region of Washington

- Tim Clark, *Herrera Environmental Consultants*
- Co-authors: Rob Zisette, Owen Reese, Melina Thung

#### Revisiting Kammer: Does Urban Development Truly Have No Impact on Lake Trophic State?

- Curtis DeGasperi, *King County*

#### 24 Year Assessment of the Efficacy of Nutrient Supplementation on Lake Quinalt, 2000-2003

- Darren Brandt, *Advanced Eco-Solutions*

#### Holding the Line or Losing Ground? Tracking Shoreline Change in Snohomish County Lakes

- Marisa Burghdoff, *Snohomish County Surface Water Management*

#### Working Towards a Better Toxic Algae Monitoring and Advisory Program for Seattle's Green Lake

- Rob Zisette, *Friends of Green Lake*

**3:10-3:30pm**

### BREAK

**3:30-5:30pm**

### SESSION 6A: IN SITU MULTIMETER OPERATION WORKSHOP

**Bill Mann and Janice Hiller**

#### Tech Tips:

- *In-Situ's Shared Ecosystem + Instrument Offerings*
- *Lower Cost and Lower Cost of Ownership*
- *Antifouling Features & how to use them*
- *Specifications*
- *User interface VuSitu App.*
- *Calibration & Ease of Use*
- *Remote Monitoring - VuLink, HydroVu, Rugged Buoy*

#### Hands-on Workshop and Q&A:

- *Sonde Maintenance*
- *Sensor Maintenance (pH/ORP, ISEs and RDO Cap)*
- *Calibration Best Practices*
- *Conductivity & RDO*
- *PH/ORP & ISEs*
- *Turbidity*
- *Fluorometers (Solid State Calibrators)*

**3:30-5:30pm**

### SESSION 6B: YSI MULTIMETER OPERATION WORKSHOP

**Dylan Bedortha**

**Learn all about EXO Sondes detailing how to setup, calibrate, maintain, store, & troubleshoot EXO Sondes:**

- *Overview of EXO sondes and sensors*
- *Short-term and long-term maintenance of EXO sondes*
- *Calibration best practices and tips*
- *Spot-sampling vs continuous monitoring. How to spot-sample, profile, or setup long-term deployment templates*
- *Downloading data and overview of KOR software*
- *Common trouble-shooting methods*
- *Brief overview of ProDSS and YSI handhelds for spot-sampling*

**5:00-6:00pm**

### ECOLOGY APAM PERMIT MEETING

**6:00pm**

### SOCIAL AT MOORE BREWING COMPANY

**Friday, Oct. 10**

**7:30am-8:00am**

### WALPA BOARD MEETING

**8:30am-12:30pm**

### FIELD TRIP: SOAP LAKE AND DRY FALLS TOUR

Drive on your own or carpool with others

Meet in Best Western parking lot

Drive to Soap Lake (30 minutes), meet at Smokiam Park

Talk with Soap Lake Conservancy

Drive to Dry Falls Visitor Center (20 minutes)

Talk with park staff

## WALPA 38th CONFERENCE SCHEDULE 2025

|       |                                                                 |
|-------|-----------------------------------------------------------------|
| WED   | 12-1pm Registration                                             |
|       | 1pm Welcome & Opening Remarks                                   |
|       | 1:10-3pm Session 1<br>Scabland Lake Formation and Moses Lake    |
|       | 3-3:20pm Break                                                  |
|       | 3:20-5:30pm Session 2<br>Soap Lake and Lake Coeur d'Alene       |
|       | 5:30-8pm Social, Auction,<br>and Poster Presentations           |
| THURS | 8:20-8:30am Announcements                                       |
|       | 8:30-10:10am Session 3<br>HABs Management                       |
|       | 10:10-10:30am Break                                             |
|       | 10:30-12:10am Session 4<br>Invasive Species Management          |
|       | 12:10-1:30pm Lunch and Annual<br>WALPA Business Meeting         |
|       | 1:30-3:10pm Session 5<br>Diverse Lake Management Strategies     |
|       | 3:10-3:30pm Break                                               |
|       | 3:30-5:30pm Session 6A<br>In Situ Multimeter Operation Workshop |
|       | 3:30-5:30pm Session 6B<br>YSI Multimeter Operation Workshop     |
|       | 5:00-6:00pm Ecology APAM<br>Permit Meeting                      |
|       | 6:00pm Social at Moore<br>Brewing Company                       |
| FRI   | 8:30am-12:30pm Field Trip<br>Soap Lake and Dry Falls Tour       |

## POSTERS – ON DISPLAY THROUGHOUT THE CONFERENCE

### The Impact of Non-Native Trout on Aquatic Food Webs in Mount Rainier Lakes: A Stable Isotope Analysis

- Kena Fox-Dobbs, *University of Puget Sound*
- Co-authors: Rebecca Lofgren, Naomi Wurtzel, Sophia Haynes

### iNaturalist for Lakes: Community Monitoring for Lake Health and Invasive Species

- Ethan Fleming, *Snohomish County Surface Water Management*

### Reducing Human and Ecological Arsenic Health Risk in an Urban Lake Using Lanthanum Modified Bentonite

- Aurora Alexander, *University of Washington Tacoma*
- Co-authors: Justin Ray, Emese Hadnagy, Jim Gawel

### Nutrient-Algal-Grazer Interactions: Do Lakes Behave Like Closed Ecological Systems?

- Frieda Taub, *University of Washington, School of Aquatic and Fisheries Sciences*
- Co-authors: Natalie Stillwell, Rachel Kasbohm

### Per- and Polyfluoroalkyl Substances (PFAS) in Freshwater Fish of Ten Washington Lakes

- Callie Mathieu, *Washington State Department of Ecology*
- Co-author: Katelyn Foster



## WALPA Business Meeting Agenda

2025 Accomplishments  
Student Scholarships and Secchi Disk Award  
Board of Director Changes  
Financial and Committee Reports  
2026 Goals

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