



American  
Water  
Resources  
Association  
Washington Section

EDUCATION, AWARENESS, & TECHNOLOGY

# NORTHWEST GROUNDWATER CONFERENCE

March 18 & 19  
Ruby River Hotel  
700 N. Division St.  
Spokane, WA 99202

## PROGRAM

### Groundwater Champions



# Welcome to the 2025 Northwest Groundwater Conference!

The objective of American Ground Water Trust conferences is to showcase topical and/or controversial groundwater issues and to facilitate information sharing among landowners, groundwater end-users, regulators, management agencies, scientists, engineers, lawyers, and citizens who have economic or environmental interests in water resources.

## Continuing Education

Certificate of Attendance are available for all attendees upon completion of CE Form

## Conference Sponsors



# Hydrogeology of the West Plains and the Spokane Valley Rathdrum Prairie Aquifer

Led by Amy Sumner, Water Resources Manager, Spokane County

Date/Time: Monday, March 17/ 9:30-5pm

Cost: \$65

Limit: 40 people

**Join us for a tour to learn about the unique hydrogeology of the West Plains and the Spokane Valley Rathdrum Prairie Aquifer, one of the most productive sole-source aquifers!**

This tour will visit the scenic Palisades Park to discuss the West Plains Hydrogeography and PFAS monitoring efforts with Dr. Chad Pritchard with EWU's Dept of Geosciences; the Spokane County Water Resource Center, a regionally-recognized water education center where you can interact with exhibits that make learning about groundwater fun for all ages while learning about the County's aquifer monitoring and education efforts with Amy Sumner with Spokane County Water Resources; and the City of Spokane's Well Electric well station and the adjoining Upriver Dam and Powerhouse, where participants will be able to see the dam's original turbines, two currently-operating large-diameter caisson wells, and the historic 1907 caisson well while hearing about the City's current planning efforts to ensure that the Well Electric well station remains a viable long-term source of groundwater supply from John Porcello with GSI Water Solutions. We will finish with a tour, wine tasting and light meal at the beautiful Arbor Crest winery.

## Tuesday, March 18

- 7:30-8:20 am **Registration & Refreshments**
- 8:20-8:30 am **Welcome and Overview of the Northwest Groundwater Conference**  
Kris Schneider, Vice Chair - AGWT Executive Board/President - Schneider Water Services, Saint Paul, OR
- Moderator** TBD
- 8:30-9:00 am **Conjunctive Management in Idaho & The 2024 Settlement Agreement**  
T.J. Budge, Partner, Racine Olson, Pocatello, Idaho
- 9:00-9:30 am **TBD**  
Speaker Invited
- 9:30-10:00 am **Update on Oregon Groundwater Management and Regional Priorities**  
Chris Kowitz, North Central Region Manager, Oregon Water Resources Department, Pendleton, OR
- 10:00-10:30 am **Break and Exhibitor Introductions**
- Moderator** Kyle Duckett, PG, Hydrogeologist, Alta Science & Engineering, Inc., Moscow, ID
- 10:30-11:00 am **Columbia Basin Sustainable Water Coalition: A Voice for Municipal Water Purveyors in the Mid-Columbia Basin**  
Claire Miller, Program Manager, Small Communities Initiative Washington Department of Commerce, Spokane, WA
- 11:30-11:45 am **Groundwater Age of the West Plains, Spokane County, Washington**  
Cadence Meier-Grolman, Undergraduate Geosciences and Environmental Science Student, Eastern Washington University, Cheney, Washington
- 11:45-12:15 pm **Idaho Geological Survey Recent Groundwater Resource Investigation in the Raft River Basin, Idaho-Utah**  
Alexis Clark, PGL, Hydrogeologist, Idaho Geological Survey, Boise, ID
- 12:15-1:30 pm **Lunch (provided)**
- 1:30-2:00 pm **Is a Groundwater Model Really Needed for Water Supply Management in an Unusually Prolific Aquifer?**  
John Porcello, RG, LHG, Principal Groundwater Hydrologist, GSI Water Solutions, Portland, OR
- 2:00-2:30 pm **Break**
- Moderator** TBD
- 2:30-3:00 pm **Reduced Basalt Aquifer Groundwater Pumping in the Umatilla Basin, Oregon; An Analog for Reduced Basalt Aquifer Groundwater Pumping in the Odessa Ground Water Management Subarea, Washington?**  
Kevin Lindsey, Principal Hydrogeologist, GeoEngineers, Inc., Kennewick, WA

- 3:00-3:30 pm **TBD**  
Greg McLaughlin, Program Director, Washington Water Trust, Seattle, WA
- 3:30-4:00 pm **Automated Parameter Estimation Techniques (PEST) to Estimate Groundwater Mounding Recharge Source and Rate**  
Eric Weber, LHg, CWRE, Principal Hydrogeologist, Landau, Tacoma, WA
- 4:00-4:30 pm **Tracer Testing for Indirect Potable Reuse Projects**  
Melanie Myden, PG, LHG Senior Associate Hydrogeologist, Stephanie Botha, PG, Senior Associate and Martin Hendrie, Associate, Hazen and Sawyer, Los Angeles, CA
- 4:30-5:30 pm **Reception & Networking**

## Wednesday, March 19

- 7:30-8:25 am **Registration and Refreshments**
- 8:25-8:30 am **Welcome - Day 2**  
Jeremy Kuhn, AGWT Chair-Executive Board, Director-North America, Roscoe Moss, Phoenix, AZ
- Moderator** Mikahala Waters, Hydrogeologist, Alta Science & Engineering, Inc., Moscow, ID
- 8:30-9:00am **TBD**  
Kristen Marberry, Hydrogeophysicist, Collier Geophysics, Lakewood, CO
- 9:00-9:30 am **Update on the West Plains PFAS Fate and Transport Study, Spokane County, Washington 2023-2025.**  
Chad J. Pritchard, P.G., Ph.D., Professor, Department of Geosciences, Eastern Washington University, Cheney, WA
- 9:30-9:45 am **Preliminary Geospatial Distribution of PFAS in the West Plains, Spokane County, Washington**  
Emersen Slanga, Undergraduate Geosciences Student, Eastern Washington University, Cheney, WA
- 9:45-10:15 am **Break**
- Moderator** Nicki Feiten, Water Resources Project Manager, Spokane Cty Enviro. Services, Spokane, WA
- 10:15-10:30 am **Ongoing Monitoring of PFAS in Surface Waters in the West Plains, Spokane County, WA**  
Jerusha Hampson, Undergraduate Geosciences Student, Eastern Washington University, Cheney, WA
- 10:30-11:00 am **Idaho's Statewide Groundwater Quality Monitoring Program - Overview and a Focus on Emerging Contaminants**  
Allison Vincent, Hydrogeologist, Idaho Department of Water Resources, Boise, ID

- 11:00-11:30 am **Tracing Nutrient Dynamics in Groundwater: A Multi-Method Approach to Nitrate Source Tracking in the Lower Umatilla Basin**  
Madison Anzarut, Graduate Student, co-authors: Byron C. Crump, Aravinth Ekamparam, Abigail Tomasek, Salini Sasidharan, PhD, Assistant Professor, Biological & Ecological Engineering, Water Resources Science, OSU, Corvallis, OR
- 11:30-12:00 pm **Charting a New Course in the Walla Walla: Policy Advances in the Cooperative Water Management of a Bi-State Basin**  
Anton Chiono, Habitat Conservation Project Leader, CTUIR Dept. of Natural Resources, Pendleton, OR
- 12:30-12:30 pm **Water Management in the Palouse Basin Aquifer**  
Mike Faupel, Executive Director, Palouse Basin Aquifer Committee, Moscow, ID
- 12:30-1:30 pm **Lunch (provided)**
- Moderator** TBD
- 1:30-2:00 pm **History of HSLA Steel and Other Corrosion Resistant Steel Options for Water Well Applications**  
Jeremy Kuhn, Director-North America, Roscoe Moss, Phoenix, AZ
- 2:00-2:30 pm **Well Rehabilitation in the Lower Columbia River Valley: A Case Study Implicating Drilling Technique**  
Mike Piechowski, LG, LHG, Principal Hydrogeologist, Terraphase, Tacoma, WA
- 2:30-3:00 pm **Groundwater and Stormwater Management in West Terrace**  
Ethan Murnin, PE, Spokane Public Works, Spokane, WA and Alan Gay, PE, Coffman Engineers, Inc., Spokane, WA
- 3:00-3:30 pm **Chemical Well Rehab**  
Edd Schofield, Technical Sales Manager - Well Chemicals, Johnson Screens, Laguna Hills, CA
- 3:30-4:00 pm **Aquifer Storage and Recovery with Power Regeneration: Permitting and Installation Strategies**  
Matt Johnson, PE, 3R Valve/Wapiti Consulting, Hayden, ID
- 4:00 pm **Door Prize Awards**

## Conference Exhibitors

AWRA - Washington State Chapter

Johnson Screens

Roscoe Moss Company

Schneider Water Services

# Registration Information

2025 Northwest Groundwater Conference - Spokane, WA  
March 18 & 19, 2025

Register online at [agwt.org/events](http://agwt.org/events)

## Registration Overview

### General Registration

2 Day Registration	\$450.00
2 Day Full-Time Student	\$100.00
1 Day Registration (March 18 or 19)	\$245.00
1Day Full-Time Student (March 18 or 19)	\$ 50.00
AGWT Members (2 Day Registration)	\$425.00
AGWT Members (1 Day Registration)	\$220.00

### Speaker Registration

Speaker (March 18)	\$ 0.00
Speaker (March 19)	\$ 0.00
Attend - Not Speaker (March 18)	\$100.00
Attend - Not Speaker (March 19)	\$100.00

### Moderator Registration

2 Day Registration	\$400.00
1 Day Registration	\$200.00

Download of Presentations in PDF - attendees	\$ 30.00
Download of Presentations in PDF - non-attendees	\$100.00

**Field Trip - Hydrogeology of the West Plains and the Spokane Valley Rathdrum Prairie Aquifer (March 17)** \$65.00  
(Field Trip open for conference attendee's only)

**Sponsor and Exhibit Opportunities** - See our event webpage for more information or choose options(s) during on-line registration

Checks should be made payable to AGWT  
Mail to: American Ground Water Trust  
50 Pleasant St., Suite 2  
Concord, NH 03301

For questions please call: (603) 228-5444