



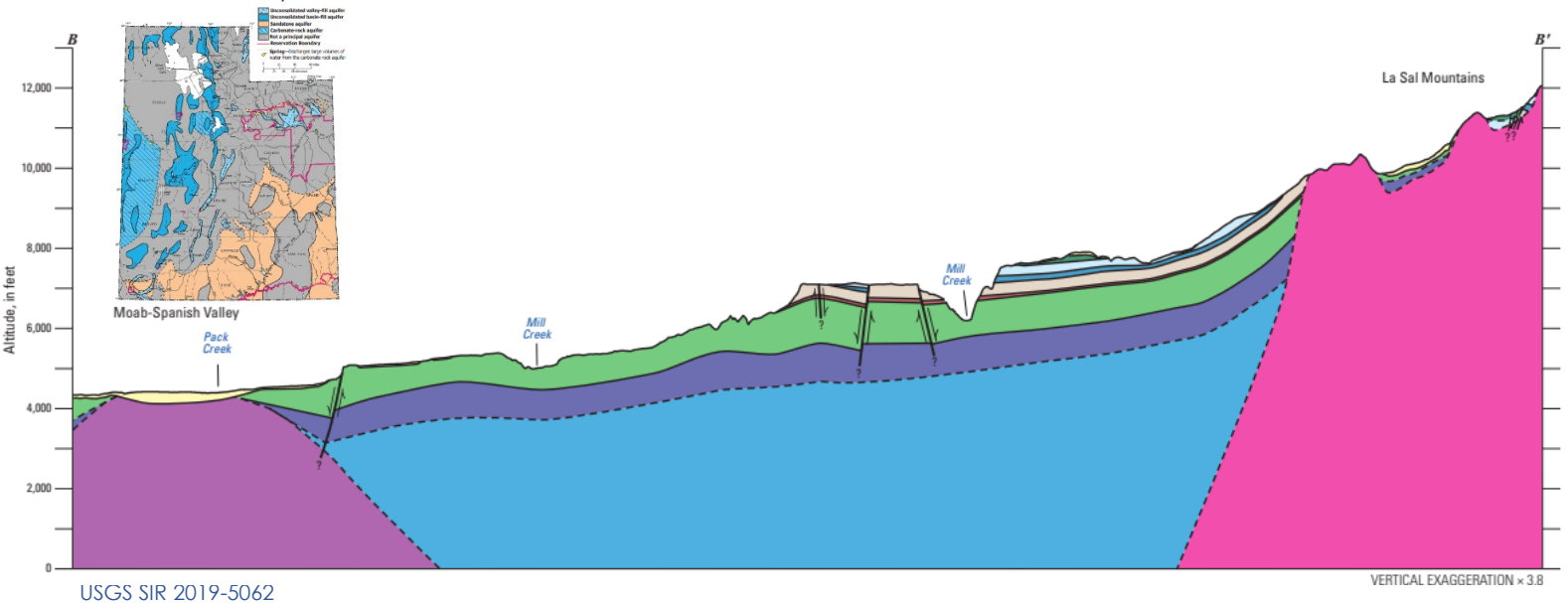
American Ground Water Trust

UTAH GROUNDWATER CONFERENCE

Tuesday & Wednesday, August 15 & 16, 2023

Utah Valley Convention Center

220 West Center St., Suite 200, Provo, UT 84601



“EVERYTHING AQUIFERS AND GROUNDWATER MANAGEMENT”

Legal, Policy, Management, Scientific, Engineering, and Technical Issues about Utah's Aquifers

Welcome to the 2023 Utah Groundwater Conference!

The objective of American Ground Water Trust conference programs 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

Approved for **UT Drinking Water Operators – Course ID 74693, 13.5 Hours (1.35 CEUs)**

Approved for **UT Water Well Drillers and Pump Installers - 1 CE Credit per Class Time Hour**

Certificates are available for all attendees upon completion of CE Form

THANK YOU TO OUR CONFERENCE SPONSORS!



ROSCOE MOSS COMPANY



SCHEDULE

Tuesday, August 15

- 7:30-8:20 am **Registration**
- 8:20-8:30 am **Welcome and Overview of August 15th Presentations**
Sara Chudnoff, PG, Program Director/Hydrogeologist, American Ground Water Trust, Pinetop, AZ
- 8:30-9:00 am **Water in Utah: Navigating the Present and Shaping the Future**
R. Jeffrey Davis, PE, CGWP, Principal, Integral Consulting Inc., Salt Lake City, UT
- 9:00-9:30 **The Groundwater Relationship with Great Salt Lake**
Lynn de Freitas, Executive Director, FRIENDS of Great Salt Lake, Salt Lake City, UT
- 9:30-10:00 pm **Keynote Presentation**
Saving the Great Salt Lake: Challenges and Opportunities
Joel Ferry, Executive Director, Utah Dept. of Natural Resources, Salt Lake City, UT
- 10:00-10:30 am **Break and Exhibitor Introductions**
- 10:30-12:00 pm **Policy Trends in Groundwater**
Moderator: Jonathan S. Clyde, JD, Of Counsel, Clyde Snow, Salt Lake City, UT
Panel:
 - Robert DeBirk, Associate, Clyde Snow, Salt Lake City, UT
 - Derek Bruton, PE, Project Engineer & Planner, Central Utah Water Conservancy District, Orem, UT
 - Neil Burk, PG, Senior Project Manager/Hydrogeologist, LRE, Salt Lake City, UT
- 12:00-1:00 pm **Lunch (provided)**
- 1:00-1:30 pm **Makes Sense to Me. Why Don't You Understand?**
Shawn Harkness, Account Manager, CV Strategies, Phoenix, AZ
- 1:30-2:30 pm **Effective Science Communication: Frameworks for Success**
Kate Vitti, Community Outreach Coordinator and Dane Crowton, Public Programs Coordinator, Natural History Museum of Utah, Logan, UT
- 2:30-2:50 pm **Break**
- Moderated by Britt Strottman, Partner, Singleton Schreiber, LLP, Sacramento, CA**
- 2:50-3:20 pm **Utah's Roadmap for PFAS Regulation in Drinking Water and a Statewide Update**
Sarah Page, PhD, Lead Drinking Water Treatment Specialist, Division of Drinking Water, Salt Lake City, UT
- 3:20-3:50 pm **PFAS and Drinking Water Source Protection in Park City, Utah**
Bill Loughlin, PG, Loughlin Water Associates, LLC, Park City, UT
- 3:50-4:20 pm **PFAS – Treatment Options and O&M Cost Considerations**
Cathy Swanson, Groundwater Remediation Specialist, Purolite LLC, an Ecolab Company, Fullerton, CA
- 4:20-5:00 pm **Student Presentations:**
Improved End Member Mixing Analysis (EMMA): Application to a Nested Catchment, Provo River, Northern Utah
Alyssa Thompson, Graduate Student, Geology Dept., BYU, Provo, UT

Using Automated Seepage Meters to Quantify Surface Water Influence on Hidden Valley Springs

Tyler Yoklavich, Senior Environmental Geoscience Student, University of Utah, Salt Lake City, UT

5:00-6:00 pm **Reception & Networking**

Wednesday, August 16

7:30-8:20 am **Registration**

8:20-8:30 am **Summary of August 15th Presentations**

Sara Chudnoff, PG, Program Director/Hydrogeologist, American Ground Water Trust, Pinetop, AZ

Water Management

Moderated by **R. Jeffrey Davis, PE, CGWP, Principal, Integral Consulting Inc., Salt Lake City, UT**

8:30-9:00 am **Coordinating on the Future of the Colorado River – Basin States Discussions Update**

Chuck Cullom, Executive Director, Upper Colorado River Commission, Midway, UT

9:00-9:30 am **Filling the Water Availability Data, Modeling, and Trends Gaps on the Upper Colorado River Basin**

Olivia Miller, Hydrologist, USGS-Utah Water Science Center, Salt Lake City, UT

9:30-10:00 am **Stretching Limited Resources to Serve Growing Communities**

Zach Renstrom, General Manager, Washington County Water Conservation District, St. George, UT

10:00-10:30 am **Break**

Moderated by **Hugh Hurlow, Senior Scientist/Program Manager, Groundwater and Wetlands Program, Utah Geological Survey, Salt Lake City, UT**

10:30-11:00 am **When Groundwater Discharge Degrades Surface Water Quality: Pah Tempe and Midway, UT**

Steve Nelson, Professor, College of Physical and Mathematical Sciences, BYU, Provo, UT

11:00-11:30 am **Groundwater Management Plans - Staying Within Safe Yield**

Teresa Wilhelmsen, PE, State Engineer, Utah Division of Water Rights, DNR, Salt Lake City, UT

11:30-12:00 pm **Evaluation of Groundwater Resources in the Spanish Valley Watershed, Grand and San Juan Counties, Utah**

Melissa Masbruch, Hydrologist, USGS-Utah Water Science Center, Salt Lake City, UT

12:00-12:30 pm **Utilizing Virtual and Real-World Hydrogeology-Where Theory and Application Meet**

Mark Chandler, PE, PG, CFM, Principal, CRS Engineering and Surveying, Salt Lake City, UT

12:30-1:30 pm **Lunch (provided)**

Moderated by **Kathryn Ladig, Hydrogeologist, Groundwater and Wetlands Program, Utah Geological Survey, Salt Lake City, UT**

1:30-2:00 pm **Agricultural Water Optimization Program Overview**

Hannah Freeze, Ag Program Optimization Program Manager, Utah Dept. of Ag and Food, Taylorsville, UT

2:00-3:30 pm

What the Well are we Doing? From Design to Treatment.

Moderator: Jeremy Kuhn, Director-North America, Roscoe Moss, Phoenix, AZ

Panel:

- Chris DeKover, PG, Hydrogeologist, Bowen Collins & Associates, Draper, UT
- Clayton Thayer, Business Development, KP Ventures Drilling & Pump, Cottonwood, AZ
- Norman Howard, Western Sales and Technical Support, Cotey Chemical Corp., Yermo, CA

Moderated by

Greg Gavin, GIT, Hydrogeologist, Groundwater and Wetlands Program, Utah Geological Survey, Salt Lake City, UT

3:30-4:00 pm

Probing the Aquifer-Clay Boundary: Using Long-Screened Test Wells for Contaminant Detection MAR and Recovery Projects Groundwater Exploration, and for Municipal Well Supply Assets

Noah Heller, PG, President, BESST Inc., San Rafael, CA

4:00-4:30 pm

ASR/MAR in Utah: What We've Accomplished and Where Do We Go From Here?

Neil Burk, PG, Senior Project Manager/Hydrogeologist, LRE, Salt Lake City, UT

4:30-5:00 pm

Provo Managed Aquifer Recharge: Planning to Permitting

John Greer, PG, Sr. Hydrogeologist, Barr Engineering, Minneapolis, MN and John Jansen, PG, PGp, PhD, Principal Geophysicist/Hydrogeologist, Collier Geophysics, West Bend, WI

5:00 pm

Door Prize Awards

Registration Information

2023 Utah Groundwater Conference – Provo, Utah
August 15 & 16, 2023

Registration Overview

General Registration

2 Day Registration (General)	\$350.00
2 Day AGWT Member Employee	\$325.00
2 Day UGWA or RWAU Member	\$325.00
2 Day Full-Time Student (ID Required)	\$100.00
2 Day Invited (Scholarship) Rate	\$100.00
1 Day Registration (August 15 or 16)	\$200.00
1 Day AGWT Member Employee (August 15 or 16)	\$175.00
2 Day UGWA or RWAU Member	\$175.00
1 Day Full-Time Student (ID Required) (August 15 or 16)	\$ 50.00

Speaker Registration

Speaker (August 15)	\$ 0.00
Speaker (August 16)	\$ 0.00
Attend - Not Speaking (August 15)	\$100.00
Attend - Not Speaking (August 16)	\$100.00
Download of Presentation in PDF – attendees	\$ 30.00
Download of Presentation in PDF – non-attendees	\$100.00

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

Register online at agwt.org/events

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