



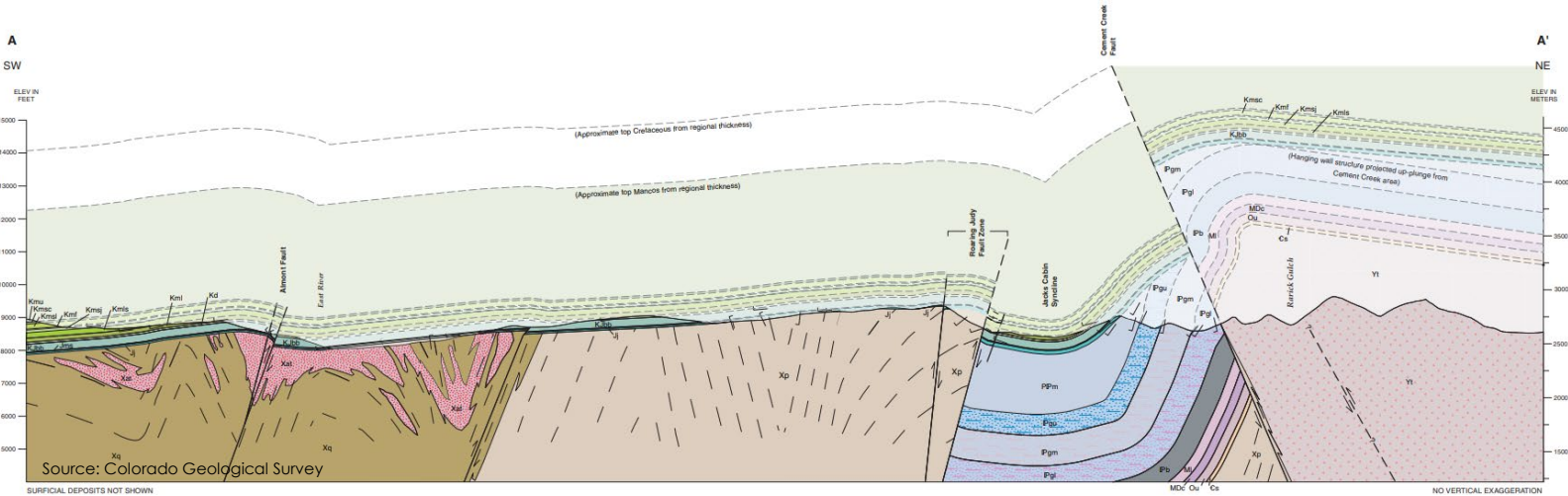
American Ground Water Trust

# COLORADO GROUNDWATER CONFERENCE

Tuesday & Wednesday, October 10 & 11, 2023

Double Tree by Hilton Denver Central Park

4040 Quebec St., Denver, CO



## “EVERYTHING AQUIFERS AND GROUNDWATER MANAGEMENT”

Legal, Policy, Management, Scientific, Engineering, and Technical Issues about Colorado Aquifers

### Welcome to the 2023 Colorado 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 CO **Water and Wastewater Operators – Course #23-10556, 1.1 TUs** (see website for details)

Approved for CO **Water Well Construction & Pump Installation Contractors – Course #2023-01-065-A, 12 Hours**

Certificates are available for all attendees upon completion of CE Form

## THANK YOU TO OUR CONFERENCE SPONSORS!



## Tuesday, October 10

- 7:30-8:20 am **Registration**
- 8:20-8:30 am **Welcome and Overview of the Colorado Groundwater Conference**  
Sara Chudnoff, PG, Program Director/Hydrogeologist, American Ground Water Trust, Pinetop, AZ  
**Moderator** **R. Jeffrey Davis, PE, CGWP, Principal, Integral Consulting Inc., Salt Lake City, UT**
- 8:30-9:00 am **Overview of Current Conditions and Colorado Water Future**  
Timothy Crawford, PG, Senior Project Manager-Hydrogeologist, BBA Water Consultants, Englewood, CO
- 9:00-9:30 am **Influence of Snowpack Cold Content on Seasonally Frozen Ground and Its Hydrologic Consequences: A Case Study from Niwot Ridge, CO**  
Mickey Rush, PhD, Neptune and Company, Inc., San Gregorio, CA
- 9:30-10:00 am **No More Poking and Hoping: Effective Exploration Strategies for Colorado's Varied Aquifers**  
John Jansen, PG, PGp, PhD, Principal Geophysicist/Hydrogeologist, Collier Geophysics, West Bend, WI
- 10:00-10:30 am **Break and Exhibitor Introductions**
- 10:30-11:00 am **ASR – From Local to Regional**  
Travis Zielke, CGWP, Senior Hydrogeologist and Reid Polmanteer, PG, Senior Hydrogeologist, INTERA, Inc., Boulder, Colorado
- 11:00-12:30 pm **PANEL – Building on ASR Knowledge and Experience for an Optimized Storage Future**  
Moderator: Helen Malenda-Lawrence, PG, Project Hydrogeologist, LRE, Denver, CO  
Topics and Panelists:
  - **Groundwater Storage Values in the Western US**  
Cassidy White, Research Associate, WestWater Research, Fort Collins, CO
  - **State Permitting and Administration**  
Sarah Brucker, Assistant State Engineer, Colorado Division of Water Resources, Denver, CO
  - **Geochemistry: Modeling and Sampling Considerations**  
Allan Foster, Staff Hydrogeologist, LRE, Denver, CO
- 12:30-1:30 pm **Lunch (provided)**  
**Moderator** **Sara Chudnoff, PG, Program Director/Hydrogeologist, AGWT, Pinetop, AZ**
- 1:30-2:00 pm **Update on Centennial Water and Sanitation District, Stonegate Village Metropolitan District and Meridian Metropolitan District ASR Projects**  
Courtney Hemenway, PE, President, Hemenway Groundwater Engineering, Inc.
- 2:00-3:15 pm **PANEL – Bridging the Gap Between Theory and Application for a Successful Drilling Campaign**  
Moderator: Jeremy Kuhn, Director-North America, Roscoe Moss, Phoenix, AZ  
Panel:
  - Clayton Thayer, Business Development, KP Ventures Drilling & Pump, Cottonwood, AZ
  - R. Jeffrey Davis, PE, CGWP, Principal, Integral Consulting Inc., Salt Lake City, UT
- 3:15-3:45 pm **Break**

<b>Moderator</b>	<b>Michael Morphey, Hydrologist, Neptune and Company, Inc., Denver, CO</b>
3:45-4:15 pm	<p><b>Mud Program and Well Development Considerations for Water Level Changes in the Denver Basin Confined Aquifers</b></p> <p>Fred Rothauge, CWD, Well Rehabilitation Division Manager, Hydro Resources, Ft. Lupton, CO</p>
4:15-4:45 pm	<p><b>Well Rehabilitation for Municipal Water Supply</b></p> <p>Jerry Hatley, Central US Technical Support, Cotey Chemical Corp., Lubbock, TX</p>
4:45-6:00 pm	<b>Reception and Networking</b>
<b>Wednesday, October 11</b>	
7:30-8:25 am	<b>Registration</b>
8:25-8:30 am	<p><b>Summary of October 10th Presentations</b></p> <p>Sara Chudnoff, PG, Program Director/Hydrogeologist, American Ground Water Trust, Pinetop, AZ</p>
8:30-9:00 am	<p><b>Hydrogen and the Water-Energy Nexus – Low Carbon Does Not Mean Low Water</b></p> <p>Jim Oliver, PG, Water Resource/Hydrogeology Western Practice Leader, Black &amp; Veatch, Denver, CO</p>
9:00-10:30 am	<p><b>PANEL – The Heat Beneath Our Feet: Geothermal Energy &amp; Regulation in Colorado</b></p> <p>Moderator: Kevin Donegan, CPG, Chief, Hydrogeology Section, CO Division of Water Resources, Denver, CO</p> <p>Panel:</p> <ul style="list-style-type: none"> <li>• Bryce Carter, Program Manager – Emerging Markets, Geothermal, Colorado Energy Office, Denver, CO</li> <li>• Sarah Klahn, Shareholder, Somach, Simmons &amp; Dunn, Boulder, CO</li> <li>• Nathan Rogers, Geologist, Colorado Geological Survey, Golden, CO</li> <li>• Michael Rigby, CCUS/Geothermal/UGS Programs Coordinator, Colorado Energy and Carbon Management Commission, DNR, Denver, CO</li> </ul>
10:30-11:00 am	<b>Exhibitor and Networking Break</b>
11:00-11:15 am	<p><b>Engaging Creative Communication to Attract Higher Education Students</b></p> <p>Nona Shipman, Co-Director, One World One Water - MSU Denver and Denver Botanic Garden, Denver, CO</p>
11:15-12:00 pm	<p><b>Student Presentations</b></p> <p><b>Spatial Costs of Compliance with the Republican River Compact in Colorado</b></p> <p>Innocent Vomitadyo, PhD Candidate/Fulbright Scholar, Colorado State University, Fort Collins, CO</p> <p><b>TBD</b></p>
12:00-1:00 pm	<b>Lunch (provided)</b>
<b>Moderator</b>	<b>John Jansen, PG, PGp, PhD, Principal Geophysicist/Hydrogeologist, Collier Geophysics, West Bend, WI</b>
1:00-1:30 pm	<p><b>Calming Fears with Facts: A Case Study in PFAS Communication</b></p> <p>Shawn Harkness, Account Manager, CV Strategies, Phoenix, AZ</p>

- 1:30-2:00 pm **Update on the State's PFAS Grant Program**  
Sierra Mitchell, PFAS Program Coordinator, SWAP and Emerging Contaminants Unit, WQCD, Denver, CO
- 2:00-2:30 pm **PFAS Fate and Transport: What Makes it Special?**  
Melissa Armstrong, PE, Consultant, Integral Consulting, Denver, CO
- 2:30-3:00 pm **PFAS Forensics to Support Long-Term Water Management Strategies**  
Jeff Gamlin, Principal Hydrogeologist, GSI, Parker, CO
- 3:00-4:00 pm **Flow of Knowledge: Communicating the Depths of Groundwater Science**  
Christina Welch, Research and Outreach Coordinator, Agricultural Water Quality Program, Colorado Dept. of Agriculture, Colorado State University, Fort Collins, CO and Lucas Howard, Surface Water Monitoring Specialist, Agricultural Water Quality Program, Colorado Dept. of Agriculture, Broomfield, CO, and Nona Shipman, Co-Director, One World One Water - MSU Denver and Denver Botanic Garden, Denver, CO
- 4:00 pm **Door Prize Awards**

## **THANK YOU TO OUR CONFERENCE EXHIBITORS!**

Baroid  
Colorado Water Well, A PumpMan Company  
Cotey Chemical Corp.  
Dynotek  
EMSL Analytical, Inc.  
Hydro Resources  
Johnson Screens  
KP Ventures Well Drilling & Pump Co. LLC  
Mount Sopris Instruments  
Neptune and Company, Inc.  
P.W. Gillibrand Co., Inc.  
Roscoe Moss Company

# Registration Information

2023 Colorado Groundwater Conference – Denver, CO  
October 10 & 11, 2023

## Registration Overview

### General Registration

2 Day Registration (General)	\$430.00
2 Day AGWT Corp Member/CGWA Member	\$405.00
2 Day Full-Time Student	\$120.00
1 Day Registration (October 10 or 11)	\$250.00
1 Day AGWT Corp Member/CGWA Member (October 10 or 11)	\$225.00
1 Day Full-Time Student	\$ 80.00

### Speaker Registration

Speaker (October 10)	\$ 0.00
Speaker (October 11)	\$ 0.00
Attend - Not Speaking (October 10)	\$100.00
Attend - Not Speaking (October 11)	\$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](https://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