

# 2020 COLORADO GROUNDWATER ISSUES

## Virtual Conference – in webinar format

An annual information-exchange program organized by the American Ground Water Trust



Registration (on-line [www.agwt.org/events](http://www.agwt.org/events))



Wednesday, December 9th – 8:15 – 12:30 (MST)

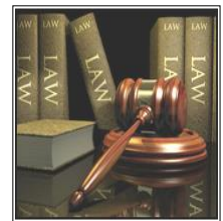
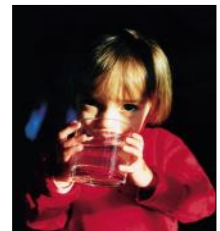
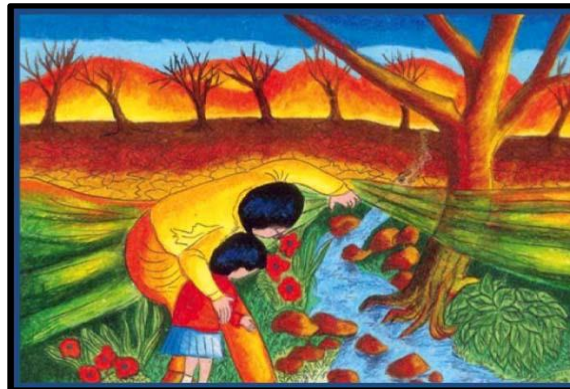
Thursday, December 10th – 8:15 – 12:30 (MST)

*The 2020 Colorado Groundwater Conference is a virtual event this year. Attend from anywhere and relax while you learn about the state's water management challenges and solutions.*

**“The AGWT always assembles an impressive selection of presentations”**

**“Each year this annual Colorado program gives background and insight to state water policy issues”**

**“If I can only attend one conference focused on Colorado groundwater - this is the one”**



### WHO SHOULD SIGN-UP FOR THIS WEBINAR?

This annual program attracts participation from Colorado's water managers, water attorneys, engineers, geologists, hydrogeologists, planners, utility operators, groundwater consultants, water treatment specialists, water well contractors, groundwater end-users, city & county government, Federal and State water agencies, regulatory authorities, environmental NGOs and interested citizens.

**“I attend this program every year: it always has interesting and relevant topics”**

**“The presentation team was successful in explaining complex science and legal issues”**

**“Great mix of water management science, engineering, politics and policy”**

Join our 2020 Colorado Groundwater Webinar Sponsors:



## PRESENTERS AND PRESENTATIONS:

Day one - **Wednesday, December 9th – 8:15 – 12:30 (MST)**

### IMPLICATIONS OF CLIMATE TRENDS ON WATER RESOURCES IN COLORADO

Peter Goble, Climatologist, Colorado Climate Center, Fort Collins, CO

### HOW EXTREME PRECIPITATION EVENTS CAN INFLUENCE GROUNDWATER RESOURCES

Claudia Corona, Department of Geological Science, University of Colorado Boulder, Boulder, CO

### GROUNDWATER LEVEL CHANGES IN THE DENVER BASIN BEDROCK AQUIFERS OF DOUGLAS COUNTY

Helen Malenda, Hydrologist, US Geological Survey, Colorado Water Science Center, Denver, CO

### WATER WELL SUSTAINABILITY CHALLENGES FOR COMMUNITIES THAT TAP FRACTURED, CRYSTALLINE ROCK AQUIFERS

Peter Barkmann, CPG, Colorado Geological Survey, Colorado School of Mines, Golden, CO

### HOW GROUNDWATER DATA INFORM POLICY, PLANNING, ZONING AND PERMIT DECISIONS IN JEFFERSON COUNTY

Patrick O'Connell, Engineering Geologist, Jefferson County Planning and Zoning Golden, CO

### ESTIMATING CAPTURE ZONES FOR AQUIFER RECHARGE ON A BASIN WIDE LEVEL

Jeremy White, PhD, Principal Hydrogeologist, Intera Inc., Boulder, CO

### WATER RIGHTS: WHAT FACTORS DETERMINE HOW MUCH MY WATER IS WORTH?

Gary Barber, Hydrosource Inc., Water Brokers, Denver, CO

Day Two - **Thursday, December 10th – 8:15 – 12:30 (MST)**

### THE SOUTH PLATTE RIVER SALINITY STUDY: SALT-LOADING TRENDS AND IMPLICATIONS FOR IRRIGATED AGRICULTURE

Grady O'Brien, PG, Principal Hydrogeologist, NEIRBO, Fort Collins, CO

### SURFACE WATER/GROUNDWATER INTERACTIONS RELATED TO LEGACY MINING ACTIVITIES IN COLORADO

Rory Cowie, PhD, Alpine Water Resources, Silverton, CO

### THE WORK OF THE COALITION OF THE UPPER SOUTH PLATTE WITH REFERENCE TO WATER QUALITY (MINE DRAINAGE, SOURCE WATER, SWAP ETC.)

Wendie Warner, Special Projects Manager, Coalition for the Upper South Platte, Lake George, CO

### THE ROLE OF CDPHE IN IMPLEMENTATION EFFORTS TO IMPROVE AND PROTECT WATER QUALITY

Robert Hillegas, Physical Sciences Researcher/Scientist, Environmental Data Unit, Colorado Water Quality Control Division, Department of Public Health and Environment, Denver, CO (invited)

### REALIZING DECISION-SUPPORT DIVIDENDS FROM GROUNDWATER MODELING INVESTMENTS.

Jeremy White, PhD, Principal Hydrogeologist, Intera Inc., Boulder, CO

### A NEW TOOL FOR COLORADO GROUNDWATER MANAGEMENT: RAPID MAPPING OF AQUIFERS, WATER QUALITY, AND POTENTIAL RECHARGE SITES USING A TOWED CART TIME-DOMAIN ELECTROMAGNETIC INDUCTION SYSTEM:

John Jansen, PG, PGp, PhD, Senior Geophysicist and Hydrogeologist, Collier Consulting, Stephenville, TX

### NEXT GENERATION FIELD DATA ACQUISITION AND MANAGEMENT FOR LARGE SCALE DEEP INJECTION WELL PROJECTS

Kevin Malone, Systems Architect, Jacobs Engineering Group, Miami, FL

Anamaria Sarmiento, PG, Hydrogeologist, Stantec, Miami, FL

Manuel Arias, Staff Geologist, HBC Engineering Co., Doral, FL

### THE AMERICAN SOCIETY OF CIVIL ENGINEERS' STANDARD GUIDELINES ON MANAGED AQUIFER RECHARGE

Gordon McCurry, PhD, PG, Principal Hydrologist, McCurry Hydrology, LLC, Boulder, CO



# REGISTRATION and SPONSORSHIP FORM

Colorado Groundwater Webinar - December 9-10, 2020

	Dec 9 <b>and</b> Dec 10	Dec 9 <b>or</b> Dec 10
<b>YOU MUST CHECK ONE: →</b>	<input type="checkbox"/>	<input type="checkbox"/> <b>or</b> <input type="checkbox"/>
<b>General Registration</b>	<input type="checkbox"/> \$250	<input type="checkbox"/> \$140
<b>Full-Time Student</b> (student ID required)	<input type="checkbox"/> \$80	<input type="checkbox"/> \$40
<b>Presentation ppts download</b> (Registrant Price) (pdf of slides no narration)	<input type="checkbox"/> \$30	

**SPONSOR:** Sponsor Levels:     \$2,000     \$ 1,000     \$500     \$250

\$500 sponsorship and above: Complimentary registration (1 person for each \$500)

Please call the AGWT (800) 423-7748 if you need an invoice, or if you would like to discuss sponsorship

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**[www.agwt.org/events](http://www.agwt.org/events)**

The American Ground Water Trust is a non-profit 501(c)(3) membership organization dedicated to providing accurate information about water resources, groundwater and wells to citizens, communities and decision makers. Contributions are tax deductible to the extent permitted by law.

Register on-line at [www.agwt.org/events](http://www.agwt.org/events)