

# NEW MEXICO AQUIFER CONFERENCE

**Quantitative Analyses and Water Resources Management: How far can we go?**

July 12, 2017 – at the State Bar of NM, 5121 Masthead NE, Albuquerque, NM 87199



➤ Exhibiting and sponsorship opportunities available



Conference sponsors: (so far...)



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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.

**2017 Focus: Quantitative Analyses and Water Resources Management: How far can we go?**

Good water resources management and planning exists at the intersection of science, law, politics, and emotion. Solid science and engineering analyses are the foundation of any water resources management and planning exercise. However, to be successful, these analyses must be done in a way such that stakeholder acceptance is part of the process, and clearly solutions must be designed to be implemented within the current legal framework. Even the most robust scientific or engineering study may fail to sway the courts or stakeholders if it cannot be presented and argued in a manner that is easily digestible. Therein lies our challenge as scientists and engineers: to develop the best possible solutions which make sense technically, can be legally implemented, and enjoy stakeholder acceptance.

This conference will explore the intersection of science and engineering with some of the other key facets of water resources management and planning, and will feature speakers from the public and private sector, including planners and attorneys.



↓ **Scroll down for program and registration details** ↓

7:00 – 8:15 REGISTRATION

8:15 – 8:20

**WELCOME - INTRODUCTION**

Andrew Stone, Executive Director, American Ground Water Trust, Concord, NH

8:20 - 8:35

**NM GROUNDWATER MANAGEMENT: INTERSECTION OF SCIENCE, ENGINEERING AND COMMUNICATION**

David Jordan, Vice President, Principal Water Resources Engineer, INTERA Incorporated, Albuquerque, NM

8:35 – 9:05 Keynote Presentation

**COMMUNICATING ABOUT WATER - CONNECTING OUR TECHNICAL UNDERSTANDING OF THE WEST'S GROUNDWATER AND SURFACE WATER CHALLENGES WITH THE POLITICIANS, POLICYMAKERS, AND THE PUBLIC WHO NEED THE INFORMATION TO FORGE A SUSTAINABLE AND RESILIENT FUTURE**

John Fleck, Director, University of New Mexico Water Resources Program, Albuquerque, NM

John Fleck is Professor of Practice in Water Policy and Governance and Director of the University of New Mexico Water Resources Program. Much of his career was spent in journalism, focused since the 1980s on the interface between science and political and policy processes, with special emphasis on climate and water in the southwestern United States. He was the Water Resource program's writer-in-residence for three years before transitioning to academia full time in 2016. In the field of water resources, his primary interest is in nurturing the collaborative water governance needed to adapt to scarcity in the southwestern United States as populations grow while climate change reduces water supplies. That goal animates the Water Resources Program, where he and his colleagues work with graduate students who will become the region's future water managers. In both the Water Resources Program and the Department of Economics, he also works on translational activities – helping make the technical work done in academia of maximum benefit to political and policy processes.



Recent Publications from John Fleck

[Water is for Fighting Over: and Other Myths about Water in the West](#), Island Press, 2016

[High-Tech Desert: The Great Decoupling of the West's Water](#), Breakthrough Journal, 2016

[What Seven States Can Agree to Do: Deal-Making on the Colorado River](#), Stanford Rural West Initiative, 2012

9:05 – 9:35

**REGIONAL WATER PLANNING IN NEW MEXICO: SCIENCE FOR STAKEHOLDERS: HOW MUCH IS ENOUGH?**

Dominique Cartron, Senior Water Resources Consultant, Daniel B. Stephens & Associates, Inc., Albuquerque, NM

9:35 – 10:05

**WATER 2120: THE STAKEHOLDER PROCESS FOR 100-YEAR WATER PLANNING**

John Stomp, COO, Albuquerque Bernalillo County Water Authority, Albuquerque, NM

10:05 – 10:25 BREAK

10:25 – 10:55

**THE CHALLENGE OF COMMUNICATING INNOVATIONS ON WATER WELL DESIGN, OPERATION EFFICIENCY AND MAINTENANCE TO ENGINEERS, CONTRACTORS AND END-USERS**

Kevin McGillicuddy, Senior Hydrogeologist, Roscoe Moss Company, Los Angeles, CA

10:55 – 11:25

**PUBLIC EDUCATION AND PUBLIC INVOLVEMENT IN STORMWATER REGULATION AND ON-SITE INFILTRATION**

Kali Bronson, Stormwater Program Compliance Manager, Bernalillo County, Albuquerque, NM

11:25 – 11:55

**THE IMPORTANCE OF COMMUNICATING WITH THE PUBLIC AND DECISION MAKERS IN NEW MEXICO ON GROUNDWATER AND GEO-SCIENCE TOPICS**

Stacy Timmons, Hydrogeologist, Aquifer Mapping Program Manager, New Mexico Bureau of Geology & Mineral Resources, New Mexico Tech, Socorro, NM

11:55 – 12:25

**GROUNDWATER STORAGE CHANGES: IMPLICATIONS FOR WATER BUDGETS AND LONG-RANGE PLANNING IN NEW MEXICO**

Jesse Roach, Senior Water Resources Engineer, Tetra Tech Inc., Santa Fe, NM

12:25 – 1:15 LUNCH

1:15 – 1:45

**COMMUNICATING COMPLEX TECHNICAL INFORMATION DURING A TRIAL: A HOW-TO GUIDE**

Steve Sims, Attorney, Brownstein Hyatt Farber Schreck, Denver, CO

1:45 - 2:15

**HOW MODELING HAS BEEN USED IN NEW MEXICO INTERSTATE STREAM LITIGATIONS**

Jeff Wechsler, Attorney/Shareholder, Montgomery & Andrews, Santa Fe, NM (invited)

2:15 – 2:45

**COMMUNICATING GROUNDWATER MODELING RESULTS AND UNCERTAINTIES TO STAKEHOLDERS: THE CALIFORNIA EXPERIENCE**

Raghu Suribhatla, Hydrogeologist, Intera, Torrance, CA

2:45 – 3:00 BREAK

3:00 – 3:30

**COMMUNICATING USGS WATER SCIENCE IN NEW MEXICO: INFORM - INVOLVE - EDUCATE**

Michael Johnson, Deputy Director, United States Geological Survey, NM Water Science Center, Albuquerque, NM

3:30 – 4:15

**SNOWED UNDER WITH PAPERWORK? FRUSTRATED WITH THE TIME IT TAKES TO GET A PROJECT STARTED? - CHALLENGES FOR CONSULTANTS, CONTRACTORS AND END-USERS IN UNRAVELLING THE PORRIDGE OF NEW MEXICO'S GROUNDWATER POLICY, LAW, REGULATIONS, STATUTES, WATER RIGHTS AND PERMITS**

Panel

Roger Peery, CEO and Principal Hydrogeologist, John Shomaker & Associates, Albuquerque, NM

Chance Coats, Hydrogeologist, Coats Pump & Supply, Dexter, NM

Michelle Henrie, Attorney, Santa Fe, NM (invited)

4:15 PROGRAM ENDS



↓ Scroll down for registration details ↓

**AQUIFER CONFERENCE – Groundwater in New Mexico**

**July 12, 2017**

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

General Registration \$325   
AGWT Members/Government \$275   
Full-time Student (ID required) \$ 80   
Electronic download of presentations (Registrant Price) \$ 30   
Exhibit Table (personal registration also required) \$250   
Registration includes handouts, coffee breaks & lunch

**TOTAL \$ \_\_\_\_\_**

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**SCAN & E-MAIL**  
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**? QUESTIONS:**  
(800) 423-7748  
9:00-4:00pm (EST)

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.