



# TEXAS AQUIFER CONFERENCE



American Ground Water Trust Annual TX Conference  
"Everything aquifers and groundwater management"

Omni Austin Hotel at Southpark, 4140 Governor's Row, Austin, TX 78744

June 9th 2016, Austin, Texas

Convened by: American Ground Water Trust

Co-sponsored by TWDB



Conference Corporate Sponsors



## June 9 Texas Aquifer Conference Presentation Schedule

### 7:00 – 8:15 REGISTRATION

8:15 – 8:30 Andrew Stone, Executive Director, American Ground Water Trust, Concord, NH  
"AND IT NEVER FAILED THAT DURING THE DRY YEARS THE PEOPLE FORGOT ABOUT THE RICH YEARS, AND DURING THE WET YEARS THEY LOST ALL MEMORY OF THE DRY YEARS. IT WAS ALWAYS THAT WAY." John Steinbeck, *"East of Eden"* (1952)

8:30 – 9:00 Robert Mace, Deputy Executive Administrator, Texas Water Development Board, Austin, TX  
"MACE'S BELIEVE IT OR NOT: BIZARRE TEXAS GROUNDWATER FACTS!"

9:00 – 9:20 Sarah Rountree Schlessinger, Executive Director, Texas Alliance of Groundwater Districts, Austin, TX  
AQUIFER MANAGEMENT ISSUES FACED BY TEXAS GROUNDWATER CONSERVATION DISTRICTS

9:20 – 9:50 Stefan Schuster, Water Resources Director, SWCA Environmental Consultants, Austin, TX and  
Jenna Cantwell, Environmental Specialist, SWCA, San Antonio, TX  
EDWARDS AQUIFER RECOVERY IMPLEMENTATION PROGRAM

9:50 – 10:30 David Pyne, President, ASR Systems, Gainesville, FL  
HOW TO ACHIEVE ASR SUCCESS – Status report on America's ASR projects

### 10:30 – 10:45 BREAK

10:45 – 11:00 John Cyrier, TX State Representative (House District17), Lockhart, TX  
TEXAS WATER POLICY CHANGES IN THE PIPELINE

**11:00 – 12:30 PANEL: UPDATE ON TEXAS AQUIFER STORAGE RECOVERY DEMONSTRATION PROJECTS**

*Panel discussion involving consideration of project concept, recharge water sources, target aquifers, target storage volume, operational protocols and environmental and regulatory*

Panel Moderator

Fred M. Blumberg, Project Manager, ARCADIS-U.S. Inc., Austin, TX

Projects that will be the focus of discussion:

NEW BRAUNFELS UTILITIES AND THE EDWARDS AQUIFER AUTHORITY - INVESTIGATIONS OF STORING DRINKING WATER IN THE BRACKISH PORTION OF THE EDWARDS AQUIFER

CITY OF VICTORIA AND THE VICTORIA COUNTY GROUNDWATER CONSERVATION DISTRICT - RETROFITTING OF A MUNICIPAL PRODUCTION WELL FOR ASR PURPOSES, AND CONDUCTING CYCLE TESTING

CORPUS CHRISTI AQUIFER STORAGE AND RECOVERY FEASIBILITY PROJECT.

Panel of presenters:

Matt Webb, ASR Specialist/Geophysical Well Log Analyst, TX Water Development Board, Austin, TX

Doug Draeger, Executive Director of Operations, New Braunfels Utilities, New Braunfels, TX

Brock Curry, Deputy General Manager, Edwards Aquifer Authority, San Antonio, TX

Lynn Short, Director of Public Works, City of Victoria, Victoria, TX

Tim Andruss, General Manager, Victoria County Groundwater Conservation District, Victoria, TX

David Pyne, President, ASR Systems, Gainesville, FL

Wm J. Green, Water Resource Management, Development Services, City of Corpus Christi, TX

Kristi Shaw, Integrated Water Planning Project Manager, HDR, Austin, TX

**12:30 – 1:30 LUNCH (provided)**

1:30 – 2:00 Van Kelley, Sr. Vice President, & John Ewing, Sr. Water Resources Engineer, INTERA, Inc., Austin, TX  
GROUNDWATER MODELING UNDER THE INFLUENCE

2:00 – 2:30 John Meyer, Geologist, Texas Water Development Board, Austin, TX  
TWDB'S BRACKISH AQUIFER MAPPING PROGRAM AND IMPLEMENTATION OF HOUSE BILL 30

2:30 – 3:00 Dave Smith, Principal Scientist CDM Smith, Boca Raton, FL  
ALTERNATIVE WATER SUPPLY CHALLENGES AND FEASIBILITY - ASR AND BRACKISH GROUNDWATER

**3:00 – 3:15 BREAK**

3:15 – 4:30

**GROUNDWATER LAW AND LEGAL ISSUES– UPDATE ON SELECTED CASES AND COURT DECISIONS IMPACTING GROUNDWATER MANAGEMENT IN TEXAS**

Panel Moderator and panel participant:

Edmond McCarthy Jr., Attorney, Jackson Sjoberg McCarthy & Townsend, L.L.P., Austin, TX

Panelists and some of the cases that will be discussed:

Russell Johnson, Partner McGinnis Lochridge, Austin TX

Lost Pines Conservation District (*Regulating real property rights*)

Guitar Holding Company (*District authority to regulate*)

Mike Gershon, Principal, Lloyd Gosselink Rochelle & Townsend, P.C, Austin, TX

Fort Stockton Holdings, L.P. (*Property rights – District Permitting Authority – Protesters' Rights*)

City of Kyle (*Developing alternative supplies, conditional permits*)

Bill Dugat III, Attorney, Bickerstaff Heath Delgado Acosta, LLP, Austin, TX

Groundwater Conservation Districts (*Development of authority over brackish aquifers*)

(*Regulation of "white areas"*)

Drew Miller, Kemp Smith Law, Austin, TX

Day and Bragg - Pecans (*"Taking" of investment expectations*)

Doug Caroom, Bickerstaff Heath Delgado Acosta LLP, Austin, TX

Canadian River Municipal Water Authority – T Boon Pickens (*Groundwater for sale*)

**4:30 WRAP-UP**

**AMERICAN GROUND WATER TRUST** (Non-profit education organization)  
**Ground Water Information, Awareness & Education Since 1986..... This is what we do:**



- ~ Promote efficient and effective ground water management
- ~ Communicate the environmental and economic value of ground water
- ~ Showcase ground water science and technology solutions
- ~ Increase citizen, community and decision-maker awareness
- ~ Facilitate stakeholder participation in water resource decisions



◆ **The American ground Water Trust - Aquifer Storage Recovery and Related Programs** ◆

Since 1999, the American Ground Water Trust has convened 35 conference programs that have featured aquifer storage. The AGWT's mission-focus on resource sustainability and effective ground water management is the rationale for our promotion of information exchange programs on ground water management issues and our showcasing of aquifer storage technologies. There is a strong ongoing need to **educate the public, and capture the imagination of water managers** about the economic and environmental benefits of creative use of sub-surface water resources. Ongoing drought conditions and predictions of the hydrologic implications of climate change more than justify increased attention to the benefits of managed aquifer recharge.

**TEXAS WATER DEVELOPMENT BOARD** (Co-sponsor of this conference)



**TWDB mission is to provide leadership, planning, financial assistance, information, and education for the conservation and responsible development of water for Texas.**



Our mission is a vital part of Texas' overall vision and its mission and goals which relate to maintaining the viability of the state's natural resources, health and economic development. To accomplish its goals of planning for the state's water resources and for providing affordable water and wastewater services, the TWDB provides water planning, data collection and dissemination, financial assistance and technical assistance services to the citizens of Texas. The tremendous population growth that the state has and will continue to experience, and the continual threat of severe drought, only intensify the need for the TWDB to accomplish its goals in an effective and efficient manner.



Texas Aquifer Conference endorsed by:  
**INTERNATIONAL ASSOCIATION OF HYDROGEOLOGISTS**  
**COMMISSION - GROUNDWATER OUTREACH TO DECISION MAKERS**  
**Background to the Commission:**



World-wide, ignorance and misunderstanding of groundwater is a major barrier to effective water resources management. Groundwater professionals need to be advocates for sensible water policy to ensure that water allocation decisions are based on hydrologic reality. The Commission plans to help IAH members and IAH national chapters promote awareness and appreciation of the value of groundwater. IAH "branded" technical information in non-technical format will be developed to assist members target their expertise among policy makers, end-users and resource managers. Science-based knowledge, effectively communicated, can support the dual objectives of sustainably maximizing the use of groundwater for economic, social and environmental benefit while protecting against overdevelopment and contamination.

***"A nation that fails to plan intelligently for the development and protection of its precious waters will be condemned to wither because of its shortsightedness"***  
**Lyndon B, Johnson**