

Let's make better use of our water resources

San Joaquin Valley Groundwater Overdraft

Can Valley end-users organize local control for regional water management?

Not enough water – too much demand

**American Ground Water Trust – Information Exchange Forum – Nov 18th, 2013
World Ag Expo Center, 4500 S Laspina St, Tulare, CA 93274**

**Who controls supply side?
Can it still work?**



**Who manages demand side?
Need we go there?**

Organized by: American Ground Water Trust
[A 501(c)(3) non-profit education organization]

WHAT THE INFORMATION EXCHANGE FORUM IS ALL ABOUT

This regional water forum will bring together irrigation interests, engineers/hydrologists, water resource managers, agency professionals and attorneys to share current information regarding the challenges, feasibility, potential regulatory concerns and the economic and sustainability benefits of wide-ranging groundwater management activities locally, regionally and out-of-state. The emphasis is education and how the common problem of overdraft has been dealt with in varied locations throughout the western U.S.

- ◆ Presentations include case studies, groundwater law overview, historic conjunctive-use planning and current management practices
- ◆ Attendees can learn about how overdraft has been addressed elsewhere and the latest in local management programs
- ◆ The program will address the acute overdraft and related issues facing the Valley and foster discussions for future groundwater management efforts

Kaweah Delta Water Conservation District

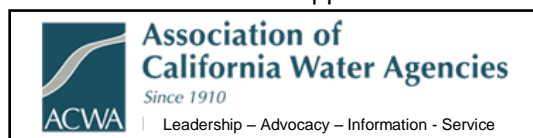


Event hosts



Tulare Irrigation District

Event supporters



AMERICAN GROUND WATER TRUST (Non-profit 501(c)(3) education organization)

Ground Water Information, Awareness & Education Since 1986..... This is what we do:

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



FORUM PROGRAM - Monday, November 18th , 2013

7:15 **REGISTRATION**

8:00- 8:05 **WELCOME TO TULARE COUNTY**

Pete Vander Poel III, Chairman, Board of Supervisors, Tulare County, CA

8:05 -8:15 **PURPOSE OF THE FORUM: GROUNDWATER MANAGEMENT CONUNDRUMS**

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

Session One - GROUNDWATER CONDITIONS: THEN AND NOW IN THE VALLEY

Moderator: Dave Orth, General Manager, Kings River Conservation District, Fresno, CA

8:15 – 8:45 **CHANGES IN THE CENTRAL VALLEY'S GROUNDWATER FROM PRE-DEVELOPMENT TIMES TO THE PRESENT**

Claudia Faunt, Hydrologist, U.S.G.S. California Water Science Center, San Diego, CA

8:45 – 9:15 **THE SUPPLY SIDE ANSWER – WHAT HAPPENED?**

Dick Moss, Vice President, Provost & Pritchard, Visalia CA

9:15 – 9:45 **GROUNDWATER MANAGEMENT POLICY: STATE WATER RESOURCES CONTROL BOARD**

Greg Zlotnick, Delta Initiatives-Special Projects, San Luis & Delta-Mendota Water Authority, Sacramento, CA

9:45 – 10:15 **GROUNDWATER MODELING – ITS ROLE IN SETTING POLICY**

Derrick Williams, President, HydroMetrics, Oakland, CA

10:15 – 10:30 **BREAK**

Session Two - GROUNDWATER CONDITIONS: IMPACTS WE CAN'T IGNORE

Moderator: Mark Larsen, General Manager, Kaweah Delta Water Conservation District, Farmersville, CA

10:30 – 11:00 **OVERDRAFT AND SUBSIDENCE IN THE VALLEY'S WEST SIDE**

Chase Hurley, Manager, San Luis Canal Company, Los Banos, CA

11:00 – 11:30 **PLANNING FOR IMPROVED GROUNDWATER MANAGEMENT IN KERN COUNTY**

Jason Gianquinto, General Manager, Semitropic WSD, Wasco, CA

11:30 – 12:00 **PASO ROBLES AND PENDING GROUNDWATER OVERSIGHT**

Peter Leffler, Associate Hydrogeologist, Fugro Consultants Inc., Oakland, CA

12:00 – 1:15 **LUNCH COMMENTS ON GROUNDWATER OVERDRAFT IN THE VALLEY**



SPECIAL GUESTS



Andy Vidak, California State Senate, 16th District
Jim Patterson, California Assembly, District 23



Session Three - GROUNDWATER MANAGEMENT: HOW ARE OTHERS TAKING ON THE ISSUES?

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

1:15pm to 3:15pm

COMING TO TERMS WITH OVERDRAFT IN TEXAS

Bridget Scanlon, Senior Research Scientist, Bureau of Economic Geology, Austin, TX

DEALING WITH OVERDRAFT IN THE OGALLALA AQUIFER – THE KANSAS APPROACH

Burke Griggs, Consulting Professor, Bill Lane Center for the American West, Stanford University;
Assistant Attorney General, State of Kansas, Topeka, KS

GROUNDWATER IN THE SOUTH PLATTE BASIN IN COLORADO – WHAT A TANGLED WEB THE COURTS AND LEGISLATURE HAVE WOVEN

Robert Longenbaugh, Groundwater Consultant, Fort Collins, CO

GROUNDWATER OVERDRAFT IN THE L.A. BASIN – PROBLEM SOLVED?

Ted Johnson, Chief Hydrologist, Water Replenishment Dist. of Southern California, Lakewood CA

STRIKING A BALANCE: UTILIZING THE SANTA CLARA RIVER FOR OPTIMAL GROUNDWATER MANAGEMENT

Tony Morgan, Groundwater Department Manager, United Water Conservation District, Santa Paula, CA

3:15– 3:30 **BREAK**

Session Four - GROUNDWATER MANAGEMENT: WHAT CAN HAPPEN NEXT?

Moderator: J. Paul Hendrix, General Manager, Tulare Irrigation District, Tulare, CA

3:30 – 4:00 **OVERDRAFT – WHO CAN PUT THE BRAKES ON?**

Scott Slater, Attorney, Brownstein Hyatt Farber Schreck, Santa Barbara, CA

4:00 – 4:30 **WHAT LEGISLATION MAY BE IN THE SACRAMENTO “PIPELINE”?**

Tim Quinn, CEO, Association of California Water Agencies, Sacramento, CA

4:30 – 4:45 **WRAP-UP: WHERE DO WE GO FROM HERE?**

David Zoldoske, Director, Center for Irrigation Technology, CSU, Fresno, CA

4:45 – 5:45 **NETWORKING OPPORTUNITY - Cash Bar**



The American Ground Water Trust – Groundwater Management Programs



Since 1999, the American Ground Water Trust has convened 37 conference programs that have featured aquifer management. The AGWT's mission-focus on resource sustainability and effective groundwater 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 decision-makers about the economic and environmental benefits of creative use of sub-surface water resources. Ongoing drought conditions, predictions of the hydrologic implications of changing weather patterns and political uncertainty regarding regional water transfers more than justify increased attention to the benefits of using groundwater resources as an essential component for optimizing water resources.



This Tulare Groundwater Management Program is 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 objective is 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 is being 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.

Andrew Stone (USA), Executive Director of the American Ground Water Trust, is the Commission Director with co-Directors Karen G. Villholth (Denmark), Senior Researcher, Geological Survey of Denmark & Greenland and José Joel Carrillo Rivera (Mexico), Professor, Universidad Nacional Autónoma de México. Are you an IAH member? Want to help the Commission? Contact Andrew Stone (astone@agwt.org)



GROUNDWATER OVERDRAFT

First class postage rate

World Ag Expo Center, 4450 S Laspina St, Tulare, CA 93274
November 18TH, 2013

~Not enough water – too much demand~

- ◆ What is the future for the Valley's irrigation industry?
- ◆ How certain is future water supply from the north?
- ◆ Is smart groundwater management the solution?
- ◆ What is the optimum plan for local users?
- ◆ Are there legal or regulatory constraints?

Registration Form November 18th Tulare, CA (Separate form for each person please)

Register on-line – www.agwt.org/events

General registration (in advance) (up to Friday Nov 15th)..... **\$50**

NOTE (walk-in registration cost \$75)

Exhibit Table (personal registration also required) **\$200**

Registration includes handouts, coffee breaks & lunch **TOTAL \$** _____

PAYMENT: Check [payable to: American Ground Water Trust]
 AMEX Visa MasterCard PO Expiration _____

Credit Card or PO No. _____

Cardholder Name _____

Registration Name _____

Title/Position _____

Company/ Organization _____

Address _____

City _____ **State** _____ **Zip** _____

Phone _____ **E-Mail** _____

CANCELLATION POLICY

Cancellations received in the AGWT office by 5 pm EST 5 days prior to event will receive a full refund less \$25. For cancellation 4-2 days prior to the there is a 50 % refund.

Cancellations one day prior to the start of the event or on the day of the event are considered "No Shows" and no refund will be made - (substitutions gladly accepted).

The AGWT will not cancel a program because of bad weather conditions. Except that, as the result of an event cancellation resulting from, (but not limited to) circumstances such as a state mandatory evacuation or a fire at the program facility, the Trust will reschedule the event and honor registrations as payment for the new event.

SPONSORSHIP & EXHIBITS

There are opportunities to showcase work, projects, products and services as exhibitors or event sponsors. Sponsors will receive recognition for their financial assistance. Call 800-423-7748 for more information or visit www.agwt.org

