

Aquifer Storage Recovery:

The Latest Perspectives on an Important Florida Issue

an educational conference sponsored by

AMERICAN GROUND WATER TRUST

co-sponsored by

American Water Resources Association, Florida Section

American Water Works Association, Florida Section

Florida Ground Water Association

South Florida Water Management District

St. Johns River Water Management District

U.S. Army Corps of Engineers

U. S. Geological Survey

September 10, 2001

Renaissance Orlando Hotel, Airport

5445 Forbes Place, Orlando, Florida 32812

**Register online at www.agwt.org
(just click on workshops and conferences)**

What Is It All About?

This one-day forum is a one-stop shop for the latest perspectives on an important emerging and ongoing issue, Aquifer Storage Recovery (ASR) in Florida. Decisions about water in Florida are of interest and concern at the local, regional and state level. The conference will provide perspectives across the spectrum of opinion on issues such as:

- Why ASR is a hot issue in Florida
- The basic science and technology of ASR
- The economic and environmental needs for water in Florida
- Is success for the Everglades Restoration Program dependent on ASR technology?
- Environmentalists concerns: the reasons for opposing Florida's ASR proposals
- Alternative solutions to Florida's water disposal and drought issues
- Existing regulatory oversight to protect water rights, water quality and citizen safeguards
- Are there ways to speed-up the ASR permits under existing regulatory mechanisms?

Who Should Attend?

- Concerned Citizens, Environmentalists, Politicians and Attorneys
- Water Management Specialists
- Geologists, Hydrogeologists, Hydrologists and Engineers
- Landowners, Irrigators and Industry Leaders
- State and Federal Agencies and Local Water Supply Regulators
- Water District Managers and Municipal and Water Utility Managers
- State and Local Health Officials

Exhibit and Sponsorship Opportunities

All exhibitors will be recognized in the conference program. Exhibit tables are 8 feet long and skirted. Sorry, no taping to the walls is allowed. Conference registration for exhibitors is required. Benefits of sponsoring a conference event (coffee breaks, lunches and reception) include: distribution of your company's literature to every registrant, acknowledgment at the event you sponsor, and recognition in the conference program. For more details on which events are available for sponsorship, please call the Trust office (603) 228-5444.

American Ground Water Trust

The American Ground Water Trust is a national not-for-profit organization. The educational mission of the Trust is to:

- Protect groundwater and promote resource sustainability
- Communicate the environmental and economic value of groundwater
- Showcase groundwater science and technology solutions
- Increase citizen, community and decision-maker awareness, and
- Facilitate stakeholder participation in water resources decisions.

The Trust's education programs are typically undertaken in partnership with other organizations, agencies and companies. The participation of speakers at this conference from specific private sector companies does not imply that the Trust is endorsing or recommending particular companies, products or commercial applications of technology.

Conference Program - Monday, September 10

AQUIFER STORAGE RECOVERY

Morning Program

- 7:00 – 8:00** **REGISTRATION - COFFEE and DANISH**
- 8:00 – 8:15** *Water and Environment: Awareness, Information and Public Perception*
Andrew W. Stone, American Ground Water Trust, Concord NH
- 8:15 – 8:45** *The Florida ASR Issue: Why We Are Here*
David Pyne, ASR Systems LLC, Gainesville, FL
- 8:45 – 9:15** *Fate and Transport of Microorganisms in the ASR Process*
Joan Rose, University of South Florida, St. Petersburg, FL
- 9:15 – 9:45** *Bursting Bubbles: The Real Science of ASR*
Tom Missimer, CDM Missimer, Fort Myers, FL
- 9:45 – 10:00** **BREAK**
- 10:00 – 10:30** *The Florida ASR Issue: The Sierra Club Perspective*
Geraldine Swormstedt, Chair of The Sierra Club, Florida Section,
Sarasota, FL
- 10:30 – 11:00** *The Role of ASR in the Comprehensive Everglades Restoration Plan*
Pete Kwiatkowski, South Florida Water Management District, West Palm Beach, FL
- 11:00 – 11:30** *ASR Regional Study of South Florida*

Christopher Brown, Geotechnical Branch, US Army Corps of Engineers, Jacksonville, FL

11:30 – 12:00 *The FDEP's Position on ASR in Florida*
David Struhs, (invited) Secretary, Florida Department of Environmental Protection, Tallahassee, FL

Conference Program - Monday, September 10

AQUIFER STORAGE RECOVERY

Afternoon Program

12:00 – 1:00 **LUNCHEON and GUEST PRESENTATION**
ASR as a Management Tool for Drought
Ane Deister, Co-Chair of the National Drought Commission, Metropolitan Water District of California, Los Angeles, CA

1:00 – 1:30 *The Projected Role for ASR in the St. Johns Water Management District*
Kirby Green, Executive Director, St. Johns Water Management District, Palatka, FL

1:30 – 2:00 *The Long Term Importance of ASR for Water Management in South Florida*
Henry Dean, Executive Director, South Florida Water Management District, West Palm Beach, FL

2:00 – 2:30 *The Florida ASR Issue: LEAF's Perspective*
Suzie Ruhl, Legal Environmental Assistance Foundation (LEAF), Tallahassee, FL

2:30 – 2:45 BREAK

2:45 – 3:15 *How Much Do We Know About the Potential Impact of ASR?*
Carl Goodwin, USGS, Tallahassee, FL & Bob Renken, USGS, Miami, FL

3:15 – 3:45 *ASR – How to Measure Performance: South Florida Case Studies*
Mark Pearce, Water Resource Solutions, Cape Coral, FL

3:45 – 4:15 *Water Quality Changes During Aquifer Storage*
Mark McNeal, CH2M Hill, Tampa, FL

4:15 – 4:45 OPEN DISCUSSION SESSION
Moderator: Greg Zlotnick, American Ground Water Trust Director and Director, Santa Clara Water District, San Jose, CA