



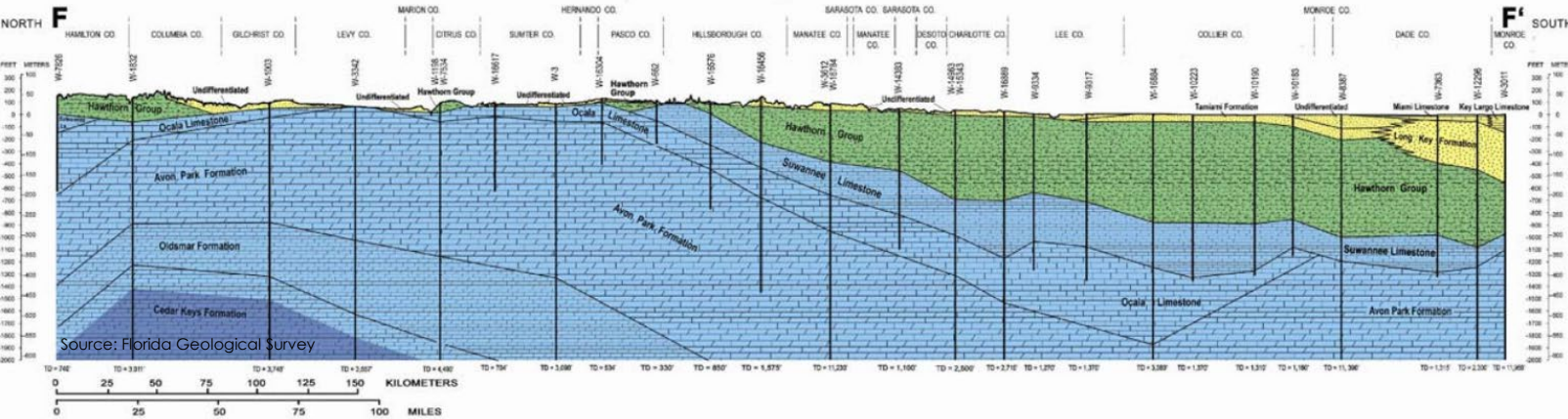
American Ground Water Trust

FLORIDA GROUNDWATER CONFERENCE

Tuesday & Wednesday, January 23 & 24, 2024

Florida Hotel and Conference Center

1500 Sand Lake Rd., Orlando, FL 32809



“EVERYTHING AQUIFERS AND GROUNDWATER MANAGEMENT”

Legal, Policy, Management, Scientific, Engineering, and Technical Issues about Florida's Aquifers

Welcome to the 2024 Florida Groundwater Conference!

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.

Continuing Education

Approved for **FL Water and Wastewater Operators – 2-day Conference-Course #8118005, 1.1 CEUs; 1-day January 23-Course #8118006, .6 CEUs, 1-day January 24-Course #8118007, .5 CEUs**

Approved for **FL Water Well Drillers – Course #124-082923-101, 3 R/R, 8 B/S**

Approved provider by **Florida Board of Professional Engineers**

Certificates are available for all attendees upon completion of CE Form

THANK YOU TO OUR CONFERENCE SPONSORS!



Tuesday, January 23

- 7:30-8:20 am **Registration – Refreshments sponsored by FGWA**
- 8:20-8:30 am **Welcome and Overview of the Florida Conference**
Sara Chudnoff, PG, Program Director/Hydrogeologist, American Groundwater Trust, Pinetop, AZ
- Moderator TBD** **Sammy Smith, GIT, Water Supply Supervisor, Water Resources Bureau, SWFWMD, Brooksville, FL**
- 8:30-9:00 am **Florida Geological Survey – Groundwater Research Projects**
Guy “Harley” Means, PG, Director & State Geologist, Florida Geological Survey, Tallahassee, FL
- 9:00-9:30 am **Where and Why Freshwater in the UFA**
Kirk Martin, PG, Principal Scientist, President, Water Science Associates, Fort Myers, FL
- 9:30-10:00 am **3-D Tools Reveal the Hydrostratigraphy of the Southwest Coast of Florida**
Justin Zumbro and Aurora Bouchier, Lead Hydrogeologists, Stacey Coonts, Hydrogeologist, South Florida Water Management District, West Palm Beach, FL
- 10:00-10:30 am **Break and Exhibitor Introductions**
- 10:30-11:00 am **Seismic Reflection Surveys to Support the Lake Okeechobee Watershed Restoration Project: Unlocking the Mysteries of the FAS**
Bob Verrastro, PG, West Palm Beach, FL, Aaron Collier, PG, Vice President, Collier Consulting, Stephenville, TX and John Jansen, PG, PGp, PhD, Senior Geophysicist & Hydrogeologist, Collier Consulting, Milwaukee, WI
- 11:00-11:30 am **A One Water Approach to Regionally Integrated Projects for Aquifer Recharge Benefits**
Sam Miller, Black & Veatch, Water Resources Engineer, Winter Garden, FL and Mike Britt, One Water Project Manager, City of Winter Haven, Winter Haven, FL
- 11:30-12:45 pm **Lunch (provided)**
- Moderator** **Bob Verrastro, PG, West Palm Beach, FL**
- 12:45-1:15 pm **Treatment Wetlands for Groundwater Recharge in Florida**
Rafael Vazquez-Burney, PE, Principal Technologist, US South Region Wastewater Solutions Leader, Jacobs, Tampa, FL
- 1:15-1:45 pm **Progress of the Lake Okeechobee ASR System**
Harshit Saini, Hydrogeologist, GIT, South Florida Water Management District, West Palm Beach, FL
- 1:45-2:15 pm **Geochemistry of the Aquifer Rock Matrix for the North Lake Okeechobee ASR Project with Emphasis on Heavy Metals**
Thomas M. Missimer, PhD, PG, Professor, Florida Gulf Coast University, Fort Myers, FL, and Zoie R. Kassis, Research Assistant, Florida Gulf Coast University, Fort Myers, FL
- 2:15-2:45 pm **Lake Okeechobee Watershed Restoration Project (LOWRP) ASR Wells, ASR Test Well Construction and Testing – An Update**
Caroline Smith, GIT, Senior Hydrogeologist, Stantec, West Palm Beach, FL
- 2:45-3:05 pm **Break**
- Moderator** **John Jansen, PG, PGp, PhD, Sr. Geophysicist & Hydrogeologist, Collier Consulting, Milwaukee, WI**
- 3:05-3:35 pm **The Use of Quantitative Microbial Risk Assessment to Assess Human Health Risks Associated with Recovered Recharge Water at ASR Facilities in Florida**
John T. Lisle, PhD, Microbial Ecologist, USGS, St. Petersburg, FL
- 3:35-4:05 pm **The ASR Buffer Zone: Mythology or Real?**
R. David Pyne, PE, President, ASR Systems LLC, Gainesville, FL

- 4:05-4:35 pm **After the Flush: An Extension Outreach Program for Onsite Sewer Treatment and Disposal System**
Bill Lester, PhD, UF/IFAS Hernando County Extension Agent, and Yilin Zhuang, PhD, UF/IFAS Regional Specialized Agent, Water Resources, Central District
- 4:35-5:00 pm **Student Presentation**
30-Year Particle Tracking Simulation from Septic Returns in Miami-Dade County, Based on the Urban Miami-Dade Groundwater Model
Miguel Valencia, PhD Candidate, Florida International University, Miami, FL
- 5:00-6:00 pm **Reception & Networking**
- Wednesday, January 24**
- 7:30-8:25 am **Registration**
- 8:25-8:30 am **Summary of January 23 Presentations**
Sara Chudnoff, PG, Program Director/Hydrogeologist, American Groundwater Trust, Pinetop, AZ
- Moderator** **Anamaria Sarmiento, Senior Hydrogeologist, Black & Veatch Corp., Miami, FL**
- 8:30-9:00 am **Drilling in Florida: Matching the Well Drilling Method to the Geology**
Jeff Hart, Senior Operations Manager, Water Resources Division, Layne, a Granite Company, Denver, CO
- 9:00-9:30 am **Principles of Efficient Gravel Envelope Well Design**
Kevin McGillicuddy, PG, Chief Hydrogeologist, Roscoe Moss Company, Los Angeles, CA
- 9:30-10:00 am **Well Performance Solutions**
Mike Whittaker, Southeastern Sales Manager, Cotey Chemical, Rocky Mount, VA
- 10:00-10:30 am **Break and Exhibitor Introductions**
- Moderator** **Mike Alfieri, PG, Senior Managing Hydrogeologist, Water Science Associates, Tampa, FL**
- 10:30-11:00 am **Well Modification to Reduce or Eliminate Contaminant Treatment**
Noah Heller, PG, President, BESST Inc., San Rafael, CA
- 11:00-11:30 am **Polk Regional Water Cooperative Update: Brackish Groundwater Desalination in Central Florida**
Robert Maliva, Principal Hydrogeologist, WSP, Fort Myers
- 11:30-12:00 pm **Miami-Dade Water and Sewer Department Groundwater and Wastewater Innovations, Challenges and Updates**
Christina Garcia-Alario, Hydrogeologist, Miami-Dade Water and Sewer Department, Sunrise, FL, Felipe Franco, Hydrogeologist, Black and Veatch, Gables, FL, and Jorge Valdes, Geologist, CDM Smith, Miami, FL
- 12:00-12:30 pm **Piney Point Injection Well for an Abandoned Phosphate Mine**
Pete Larkin, PG, Vice President, ASRus, LLC, Tampa, FL
- 12:30-1:45 pm **Lunch (provided)**
- Moderator** **Jeremy Eaton, Hydrogeologist, ASRus, LLC, Tampa, FL**
- 1:45-2:15 pm **Update on PFAS Investigative Work**
Tim J. Bahr, PG, Director, Division of Waste Management, Florida Department of Environmental Protection

2:15-2:45 pm

PFAS Monitoring and Cleanup Case Studies

Olivia Cain, PE, Environmental Engineer, Geosyntec Consultants, Clearwater, FL and Eric Sagar, PG, Senior Principal Geologist, Geosyntec Consultants, St. Petersburg, FL

2:45-3:15 pm

GAC, IX Resin, and CETCO Flourosorb: Treatment Option Differences and Case Studies

Geoff Burdick, PE, Southeast Sales & Business Development Engineer, AqueoUs Vets, Huntersville, NC and Neal Megonnell, Vice President of Technical Services, AqueoUs Vets, Pittsburgh, PA

3:15-3:45 pm

PFAS Residual Disposal Options and Managing the Unknowns in a Muddy Regulatory Environment

AnnieLu Dewitt, Remediation Technologies Business Development Manager, Clean Harbors Environmental Services, South Portland, ME

3:45 pm

Door Prize Awards

Registration Information

2024 Florida Groundwater Conference – Orlando, FL
January 23 & 24, 2024

Registration Overview

General Registration

2 Day Registration (General)	\$450.00
2 Day AGWT Member Employee	\$425.00
2 Day Full-Time Student	\$120.00
1 Day Registration (January 23 & 24)	\$245.00
1 Day AGWT Member Employee (January 23 & 24)	\$220.00
1 Day Full-Time Student	\$ 80.00

Speaker Registration

Speaker (January 23)	\$ 0.00
Speaker (January 24)	\$ 0.00
Attend - Not Speaking (January 23)	\$100.00
Attend - Not Speaking (January 24)	\$100.00
Download of Presentation in PDF – attendees	\$ 30.00
Download of Presentation in PDF – non-attendees	\$100.00

Sponsor and Exhibit Opportunities – See our event webpage for more information or choose option(s) during on-line registration.

Register online at agwt.org/events

Checks should be made payable to AGWT
Mail to: American Ground Water Trust
50 Pleasant St., Suite 2
Concord, NH 03301

For questions please call: (603) 228-5444