

# Managing Florida's Aquifers:

## Annual Conference

In webinar format for 2020




**Groundwater Issues – ASR 20 (Yes! - 20th year of this event)**

Wednesday, October 7<sup>th</sup> (8:30am – 12:30pm EST) and Thursday, October 8<sup>th</sup> (8:30am – 12:30pm EST)

The American Ground Water Trust Annual Florida Groundwater Program



### CONTINUING EDUCATION

Approved by FWWA for Florida Water Well Contractors – Course #124-100720-101, ;  R/R  
The AGWT is an approved education provider - FL Board of Professional Engi  
Certificate of attendance available for all attendees upon completion of CE Form.

### WHO SHOULD BE THERE?

Water professionals and groundwater end-users, engineers, geologists, hydrogeologists, planners, utility operators, water re-use and aquifer recharge consultants, water treatment specialists, water well contractors, industry & agriculture end-users, city & county government, regulatory authorities, legislators, elected officials, environmental NGOs, planners, water attorneys and interested citizens.

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

### Join our webinar sponsors:



See website for sponsoring opportunities at [www.agwt.org/events](http://www.agwt.org/events)

~ Webinar Details ~

**Wednesday, October 7<sup>th</sup> Florida Annual Groundwater Conference (Webinar Format)**

**8:30am (Eastern Standard Time) - Start of Webinar Day One**

**INTRODUCTION: TWENTY YEARS OF ANNUAL FLORIDA GROUNDWATER CONFERENCES**

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

**ONGOING SOUTH FLORIDA WATER MANAGEMENT DISTRICT EVERGLADES RESTORATION EFFORTS**

Jennifer Reynolds, Director of Ecosystem Restoration and Capital Projects, South Florida Water Management District, West Palm Beach, FL

**ACCELERATED ASR PROGRAM FOR THE LAKE OKEECHOBEE WATERSHED RESTORATION PROJECT**

Robert Verrastro, PG, Lead Hydrologist, South Florida Water Management District, West Palm Beach, FL

**GROUNDWATER PROTECTION: REVIEW OF UIC, ASR, AND AQUIFER RECHARGE REGULATIONS IN FLORIDA**

Joe Haberfeld, PG, Senior Program Analyst, Aquifer Protection Program, Florida Department of Environmental Protection, Tallahassee, FL

**BREAK**

**KEYNOTE PRESENTATION: WATER SECURITY THROUGH RESILIENCE: MANAGED AQUIFER RECHARGE & THE U.S. ARMY CORPS OF ENGINEERS**

William Logan IV, PhD, Director, International Center for Integrated Water Resources Management, USACE Institute for Water Resources, Washington D.C.

**MIAMI WATER & SEWER DEPARTMENT – OCEAN OUTFALL LEGISLATION INJECTION WELL PROGRAM UPDATE**

Manuel Arias, GIT, Staff Geologist, HBC Engineering Co., Doral, FL  
Anamaria Sarmiento, PG, Senior Hydrogeologist, Black & Veatch Corp., Miami, FL

**UNDERGROUND INJECTION CONTROL PROJECTS AND PERSPECTIVES: A REVIEW OF PROJECTS IN THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT**

Don Ellison, Senior Hydrogeologist, Southwest Florida Water Management District, Brooksville, FL

**12:30pm END DAY ONE**

**Thursday, October 8<sup>th</sup> Florida Annual Groundwater Conference (Webinar Format)**

**8:30am (Eastern Standard Time) - Start of Webinar Day Two**

**KEYNOTE PRESENTATION – THE CHALLENGES OF MAINTAINING PEAK AGRICULTURAL PRODUCTION WHILE PROTECTING THE QUALITY OF FLORIDA’S WATER RESOURCES**

Nicole “Nikki” Fried, Commissioner, Florida Department of Agriculture and Community Services, Tallahassee, FL

**NUTRIENT REMOVAL AND UPTAKE BY NATIVE PLANKTONIC AND BIOFILM BACTERIAL COMMUNITIES IN AN ANAEROBIC AQUIFER**

John T. Lisle, PhD, Microbial Ecologist, US Geological Survey, St. Petersburg, FL

**SHOULD FLORIDA’S UNDERGROUND SOURCES OF DRINKING WATER (USDW) DEFINITION BE REVISED TO ALIGN BETTER WITH THE FEDERAL DEFINITION?**

Mark McNeal, PG, CEO, ASRus, Tampa, FL

**AN UPDATE TO THE UNCHARTERED TERRITORY FOR LANDFILL LEACHATE CLASS I INJECTION**

Mike Weatherby, CEO, HydroGeo Consulting LLC, Tampa, FL

**CONTINUOUS WIRE-LINE CORING TO EVALUATE HYDROGEOLOGIC CONDITIONS OF THE LOWER FLORIDAN AQUIFER IN CLAY COUNTY**

Jason Sheasley, PG, Hydrogeologist, Kimley-Horn, Jacksonville, FL 32258

**BREAK**

**THE ASR BUFFER ZONE: A KEY TO SUCCESS**

David Pyne, PE, President, ASR Systems, Gainesville, FL

**BANK FILTRATION AND MANAGED AQUIFER RECHARGE AT THE MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER RECHARGE SITE**

June Mirecki, Ph.D., PG, Senior Hydrogeologist, US Army Corps of Engineers, Jacksonville, FL

**AQUIFER RECHARGE – HAMPTON ROADS, VIRGINIA (A multi-million-dollar multi-well project to recharge the Potomac Aquifer)**

Lauren Zuravnsky, PE, Chief of Design & Construction, Sustainable Water Initiative for Tomorrow (SWIFT), Hampton Roads Sanitation District, Virginia Beach, VA

**THE ROLE OF NATURAL AND ARTIFICIAL RECHARGE IN SUSTAINABLE GROUNDWATER MANAGEMENT IN TEXAS**

Gretchen Miller, PhD, PE, Associate Professor, Zachry Department of Civil & Environmental Engineering, TAMU, College Station, TX

**12:30pm**

**END DAY TWO**



# REGISTRATION FORM

## Managing Florida's Aquifers - WEBINAR – October 7 & 8, 2020

Registration and payment can be made on-line at [www.agwt.org/events](http://www.agwt.org/events)

October 7<sup>th</sup> (8:30am to 12:30pm EST) and October 8<sup>th</sup> (8:30am to 12:30pm EST)

Registration (select one):      October 7 & 8 \$300       October 7 \$160       October 8 \$160

Continuing Education Units (check if applying for CE credit)

**For organizations with more than one attendee, call for group discount prices – (800)-423-7748.  
Please send in separate registrations for each person participating in the webinar.  
Instructions for webinar log-in will be sent on receipt of registration.**

All registrants will be email pdf copies of the presenter PowerPoint slides a few days after the webinar.  
These pdf files contain detailed information about the presentation topics and are for the personal use of webinar registrants.

### Payment Information:

CHECK [payable to: AGWT]       AMEX/VISA/MC/Discover       PO # \_\_\_\_\_

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\*The CEU verification process requires that participants are able to receive e-mails during the webinar.

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**REGISTER ONLINE:**  
[agwt.org/events](http://agwt.org/events)

**MAIL TO:**  
American Ground Water Trust  
50 Pleasant Street, Suite 2  
Concord, NH 03301-4073

**FAX:** (603) 228-6557

**TEL:** (603) 228-5444

**? QUESTIONS:**  
(800) 423-7748  
9:00-4:00pm (Eastern Time)

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

### AMERICAN GROUND WATER TRUST

The AGWT was formed in 1986 as a non-profit education organization with the mission of promoting interest and awareness in groundwater issues. The AGWT's conference, workshop and webinar programs and educational materials:



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