



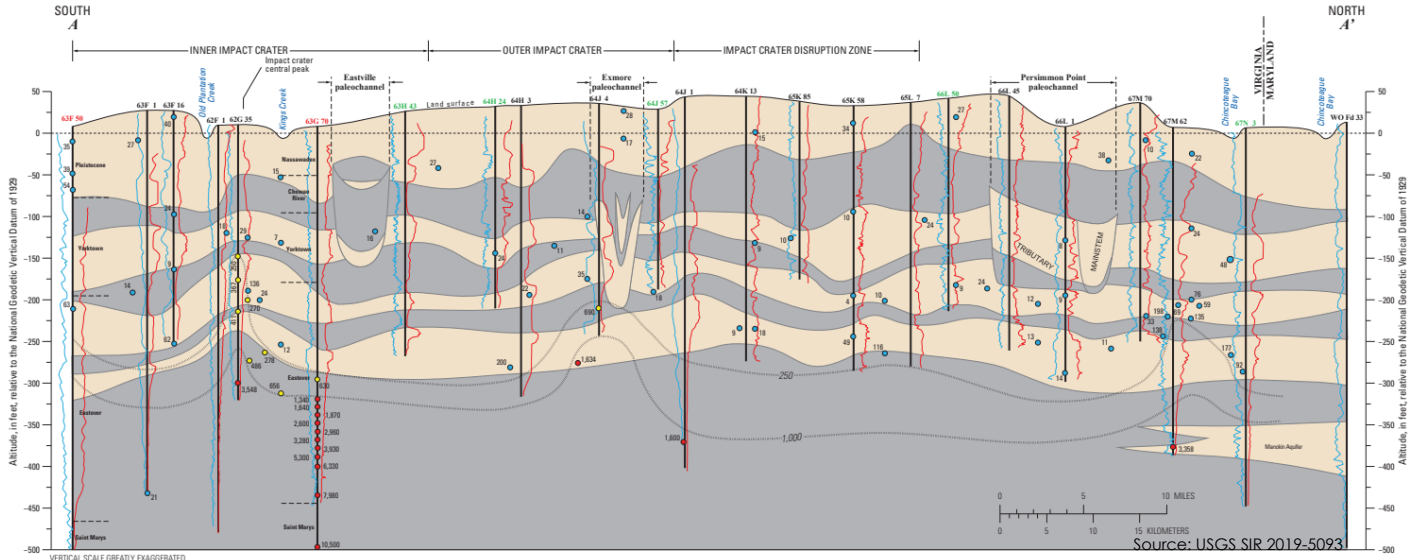
American Ground Water Trust

MID-ATLANTIC GROUNDWATER CONFERENCE

Wednesday & Thursday, November 15 & 16, 2023

James River Country Club

1500 Country Club Road, Newport News, VA



“EVERYTHING AQUIFERS AND GROUNDWATER MANAGEMENT”

Legal, Policy, Management, Scientific, Engineering, and Technical Issues about Mid-Atlantic Aquifers

Welcome to the 2023 Mid-Atlantic 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

Certificates of attendance are available for all attendees upon completion of CE Form

Swift Research Center Field Tour – Tuesday, November 14th 2:00-3:00pm



Details & registration on our conference webpage, www.agwt.org/events.

THANK YOU TO OUR CONFERENCE SPONSORS!



Wednesday, November 15

7:30-8:20 am **Registration**

8:20-8:30 am **Welcome and Overview of the Mid-Atlantic Groundwater Conference**

Sara Chudnoff, PG, Program Director/Hydrogeologist, American Ground Water Trust, Pinetop, AZ

Groundwater Management, Monitoring and Development

8:30-9:15 am **Keynote Presentation**

Cretaceous to Eocene Aquifers of the Atlantic and Gulf Coastal Plains: Diverse Aquifers, Challenges and Recent Trends

Richard Spruill, PhD, PG, Principal Hydrogeologist, Groundwater Management Associates, Inc., Greenville, NC

9:15-9:45 am **North Carolina CCPCUA Program: Background, Achievements, and the Future of the Program**

Stephanie DeVries, PhD, Hydrogeologist, Groundwater Management Branch, Water Planning Section – DWR, North Carolina Dept. of Environmental Quality, Raleigh, NC

9:45-10:15 am **Virginia DEQ's Groundwater Resource Programs: An Overview of Characterization, Monitoring and Withdrawal Permitting**

Brian Campbell, PG, Groundwater Characterization and Monitoring Manager, Office of Water Supply, Virginia Department of Environmental Quality, Glen Allen, VA

10:15-10:45 am **Break and Exhibitor Introductions**

Moderator **Nat Wilson, PG, Retiree/Temporary Employee, Water Planning Section-DWR, North Carolina Dept. of Environmental Quality, Raleigh, NC**

10:45-11:15 am **Revised Hydrogeologic Framework for the Virginia Coastal Plain Southwest of the James River**

Samuel Caldwell, Hydrogeologist, USGS VA/WV Water Science Center, Richmond, VA

11:15-11:45 am **What the Recharge Source of the Dismal Swamp Has Taught us About Viable Development of the Bedrock Aquifer of Eastern Virginia**

Kenneth E. Bannister, PG, Director of Environmental Services, Koontz Bryant Johnson Williams, Inc., North Chesterfield, VA

11:45-1:00 pm **Lunch (provided)**

Moderator **John Jansen, PG, PGp, PhD, Principal Geophysicist/Hydrogeologist, Collier Geophysics, West Bend, WI**

1:00-1:30 pm **Groundwater Resource Utilization at Hilton Head Island, South Carolina: A Pursuit of Stable Water Quality**

James K. Holley, PG, Senior Hydrogeologist, Director of Operations, Groundwater Management Associates, Inc., Greenville, NC

1:30-2:00 pm **Design and Construction Challenges for Floridan and Charleston Aquifer Water Supply Wells in Coastal South Carolina**

Thomas Seacord, PE, Vice President, Carolla Engineers, Boise, ID

Well Efficiency

- 2:00-2:30 pm **Well Design Considerations for Multi-Screen Deep Wells With Less Than Ideal Water Quality**
Kevin McGillicuddy, PG, Chief Hydrogeologist, Roscoe Moss Company, Los Angeles, CA
- 2:30-3:00 pm **Well Drilling Considerations and Lessons Learned in Drilling Wells in the Coastal Plain Aquifers of the Mid-Atlantic Region**
Bill Magette, Owner, Magette Well & Pump Co., Inc., Ahoskie, NC
- 3:00-3:30 pm **Break**

MAR and ASR

- Moderator** **Kevin McGillicuddy, PG, Chief Hydrogeologist, Roscoe Moss Company, Los Angeles, CA**
- 3:30-4:00 pm **Geophysics for MAR and ASR in the Mid-Atlantic States**
John Jansen, PG, PGp, PhD, Principal Geophysicist/Hydrogeologist, Collier Geophysics, West Bend, WI
- 4:00-4:30 pm **What We Have Learned After 60-Years of ASR**
Jim Schultes, Mechanical Engineer, Vice President, A.C. Schultes, Inc., Woodbury, NJ
- 4:30-6:00 pm **Reception & Networking**

Thursday, November 16

- 7:30-8:25 am **Registration**
- 8:25-8:30 am **Summary of November 15th Presentations**
Sara Chudnoff, PG, Program Director/Hydrogeologist, American Ground Water Trust, Pinetop, AZ

MAR and ASR

- 8:30-9:00 am **SWIFT, Addressing Challenges to the Potomac Aquifer Through MAR**
Daniel Holloway, PG, Hydrogeologist, Hampton Roads Sanitation District, Virginia Beach, VA
- 9:00-9:45 am **Keynote Presentation**
The Current and Future Status of MAR/ASR in the Mid-Atlantic
R. David Pyne, PE, President, ASR Systems LLC, Gainesville, FL
- 9:45-10:15 am **Using Pump and Treat as an MAR Strategy in a Shallow Aquifer**
Blake Martin, Vice President, Market Leader, Reading, MA, Weston & Sampson, and Frank Getchell, Senior Technical Leader, Weston & Sampson, Portsmouth, NH
- 10:15-10:45 am **Exhibitor and Networking Break**

Water Quality and Emerging Contaminants of Concern

- Moderator** **Kate Anderson, Geosystems Teacher, Thomas A. Edison High School, Alexandria, VA**
- 10:45-11:15 am **PFAS: The Evolving Compliance and Remediation Regulatory Framework**
Seth Kellogg, PG, Principal Geologist, Geosyntec Consultants, Princeton, NJ
- 11:15-11:45 am **Considerations for PFAS Treatment and Disposal Methods for Practitioners**
AnnieLu Dewitt, Remediation Technologies Business Development Manager, Clean Harbors Environmental Services, South Portland, ME

11:45-1:00 pm	Lunch (provided)
Moderator	Kenneth E. Bannister, PG, Director of Environmental Services, Koontz Bryant Johnson Williams, Inc., North Chesterfield, VA
1:00-1:30 pm	Understanding the Health Implications and the Uncertainties Associated with PFAS Exposures Christine Julias, PE, Project Risk Assessor, Geosyntec Consultants, Inc., Pennington, NJ
1:30-2:00 pm	WRF 5185: The Fate of Microplastics in Drinking Water Treatment Plants Alma Beciragic, PhD, Management Consultant 3, Arcadis, Charlotte, NC and Brent Alspach, PE, Director of Applied Research, Arcadis, Carlsbad, CA
2:00-2:30 pm	PFAS Treatment for Potable Reuse at HRSD's SWIFT Research Center Erin Bereyso, PhD Candidate, Environmental Engineering, Virginia Tech, Blacksburg, VA
2:30-3:30 pm	PFAS Remediation and Treatment Challenges in a Multilayered Aquifer, Portsmouth NH: Handling Science and Public Perception Since 2014 Blake Martin, Vice President, Market Leader, Reading, MA, Weston & Sampson, and Frank Getchell, Senior Technical Leader, Weston & Sampson, Portsmouth, NH
3:30pm	Door Prize Awards

Program Exhibitors

ASBOG
 Baroid
 Clean Harbors
 Collier Consulting, Inc.
 Cotey Chemical Corp.
 EMSL Analytical, Inc.
 Purolite
 Roscoe Moss
 Schnabel Engineering, LLC
 Southern Products & Silica
 Xylem

Registration Information

2023 Mid-Atlantic Groundwater Conference – Newport News, VA
November 15 & 16, 2023

Registration Overview

Hampton Roads SWIFT Field Tour Registration	\$25.00
General Registration	
2 Day Registration (General)	\$450.00
2 Day AGWT Corp Member/CGWA Member	\$425.00
2 Day Full-Time Student	\$120.00
1 Day Registration (November 15 & 16)	\$245.00
1 Day AGWT Corp Member/CGWA Member (November 15 & 16)	\$220.00
1 Day Full-Time Student	\$ 80.00
Speaker Registration	
Speaker (November 15)	\$ 0.00
Speaker (November 16)	\$ 0.00
Attend - Not Speaking (November 15)	\$100.00
Attend - Not Speaking (November 16)	\$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