

Agenda

Wetlands Science Primer

What is a wetland?
Jurisdictional definition
Soils, vegetation and hydrology
Wetlands of Georgia
Wetland function overview

C. Hale,
T. Greco,
B. Pruitt

Understanding Federal and Georgia Freshwater & Wetlands Laws and Enforcement

Brief history of the Federal Clean Water Act
The Clean Water Rule, the Repeal Rule and the Replacement Rule
Regulated activities
Exemptions
Enforcement

- U.S. Corps of Engineers
- U.S. Environmental Protection Agency

USDA's role in wetland protection

W. Sapp,
A. Sowatzka

Wetlands Permitting

Overview – from project scoping to permit
Wetland delineation vs. determination
Types of permits
Regional conditions
Compensatory mitigation

C. Hale,
A. Brown Jr.

Stream & Wetland Restoration and Mitigation

Mitigation banking
Restoration science

S. Miller,
B. Pruitt

New USACE Standard Operating Procedure (SOP)

J. Hammonds

Related Regulatory Matters

Georgia EPD state waters buffers and variances
Endangered Species Act
Coastal permitting
Local ordinances
Erosion, sedimentation, and pollution control/NPDES

T. Greco,
A. Brown

Wrap-up Discussion

Expert Panel

Georgia Wetland Law and Compliance
Atlanta, GA - Wednesday, April 25, 2018

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Learning Objectives

You'll be able to:

Define wetlands of Georgia.

Discuss the Clean Water Rule, the Repeal Rule and the Replacement rule.

Explore wetlands permitting.

Get tips on stream and wetland restoration and mitigation.

Learn about the new USACE Standard Operating Procedure.

Discuss regulations impacting wetlands, including erosion, sedimentation and pollution control regulations.



Georgia Wetland Law and Compliance

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Analyze what a wetland is

Examine Federal and Georgia freshwater and wetland laws and enforcement

Identify types of wetland permits

Discuss wetland restoration science

Explore related regulatory matters, such as local ordinances and stormwater rules

Review processes for stream and wetland restoration and mitigation

Continuing Education Credits

Professional Engineers

6.5 PDHs

Architects

6.5 Public Protection PDU's
6.5 AIA HSW Learning Units

Landscape Architects

6.5 Contact Hours
6.5 LACES HSW PDHs

Floodplain Managers

6.5 ASFPD CECS

Attorneys

6.5 Georgia CLE Hours



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Faculty

Cody Hale, PhD, PH, RF *Nutter & Associates, Inc., Athens, Georgia*
Dr. Hale is a principal and project scientist at Nutter & Associates, an environmental consulting firm located in Athens, Georgia, that specializes in water resource assessment, permitting, and compliance evaluations. He is certified as a professional hydrologist by the American Institute of Hydrology and is also a registered forester in the state of Georgia. Dr. Hale's technical expertise includes wetland hydrology, surface and groundwater hydrological modeling, water quality, wetland and stream ecology, and land-use change hydrology. He is a member of the Georgia Environmental Restoration Association and has participated in and completed the Institute for Georgia Environmental Leadership program.

Tony Greco, PWS *Nutter & Associates, Inc., Athens, Georgia*
Mr. Greco is a principal at Nutter & Associates and an aquatic ecologist and hydrologist focusing on wetland ecology, water quality assessment, watershed planning, water resource projects, and aquatic biology. Throughout his career, he has used geographic information systems (GIS), in conjunction with field and laboratory data collection, to support critical environmental assessments. Mr. Greco is an active member on the Technical Advisory Committee of the Georgia Environmental Restoration Association and is a certified Professional Wetland Scientist by the Society of Wetland Scientists.

Bruce Pruitt, PhD, PH, PWS *U.S. Army Corps of Engineers, ERDC*
Dr. Pruitt has 37 cumulative years of professional level work experience in both private and public sectors. Currently, he is a research ecologist working with the U.S. Army Engineer Research and Development Center (ERDC). Dr. Pruitt has lead studies related to ecology, hydrology, and water quality including sedimentology on a diversity of aquatic ecosystems including streams, wetlands, lakes, estuaries, salt marshes and marine settings across numerous

Seminar Information

Embassy Suites - Galleria
2815 Akers Mill Road SE
Atlanta, GA 30339
(770) 984-9300

Registration
8:00 - 8:30 am

Morning Session
8:30 - 11:45 am

Lunch (On your own)
11:45 am - 12:45 pm

Afternoon Session
12:45 - 4:30 pm

Tuition
\$279 for individual registration
\$259 for three or more registrations.
Each registration includes a complimentary continental breakfast and printed seminar manual.

Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org.

How to Register

- Visit us online at www.halfmoonseminars.org
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

Cancellations: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the CD/manual package. You may also send another person to take your place.

physiographies spanning from 20 miles offshore in the Atlantic Ocean and Gulf of Mexico to inland freshwater ecosystems including the reef tract of the Florida Keys, the Florida Everglades, and the salt marshes of Georgia.

William Sapp *Senior Attorney at the Southern Environmental Law Center (SELC) in Atlanta*
Mr. Sapp focuses on protecting the swamps, tidal creeks, and salt marshes of the Georgia and Alabama coasts and leads SELC's Georgia Coastal Initiative. He received his law degree from Harvard Law School and his Master of Law degree in Environmental Law from George Washington Law School (with highest honors). Before joining SELC, he served as an assistant regulatory attorney with the Chief Counsel's office of the Army Corps in DC, clerked for Judge Edenfield in federal district court in Savannah, was an associate at Alston & Bird in Atlanta, and served as the lead wetlands attorney for Region 4 of the Environmental Protection Agency.

Adam Sowatzka *Partner with King & Spalding in Atlanta*
Mr. Sowatzka has over 20 years of experience practicing environmental law. He is well known for his thorough grasp of environmental issues, gleaned from his experience as an EPA enforcement attorney, general counsel, and lawyer with King & Spalding. In 2017, Chambers recognized him for his strength in defending civil and criminal enforcement matters. Mr. Sowatzka has worked on precedent-setting cases and is at the forefront of some of the most significant environmental issues of the day. He has particular expertise in water and storm water cases, having resolved numerous significant Clean Water Act enforcement matters.

Continuing Education Credit Information

This seminar is open to the public. It offers 6.5 PDHs to Georgia professional engineers, 6.5 PDUs to Georgia architects, and 6.5 contact hours to Georgia landscape architects. Educators and courses are not subject to preapproval in Georgia.

Engineers, architects, and landscape architects seeking continuing education credit in other states will be able to apply the hours earned at this seminar, in most cases. Refer to specific state rules to determine eligibility.

The American Institute of Architects has approved this seminar for 6.5 HSW Learning Units (Sponsor No. J885), and the Landscape Architecture Continuing Education System has approved this program for 6.5 HSW PDHs. Only full attendance can be reported to the AIA/CES and LA/CES.

The Association of State Floodplain Managers has approved this course for 6.5 CECs. The Georgia Commission on Continuing Lawyer Competency for CLE has approved this seminar for 6.5 Regular CLE hours.

HalfMoon Education has applied to the Georgia Commission on Continuing Lawyer Competency for CLE approval for attorneys. The application is under review and current information for this credit can be found at www.halfmoonseminars.org. Confirm course approval prior to registering for this course.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Alton Brown Jr., PWS *Resource and Land Management Consultants, Savannah, Georgia*
Mr. Brown is a graduate of the University of Georgia Warnell School of Forest Resources. His professional career over the past 20 years has focused on environmental consulting. From 1997 thru 2007, he served as project manager and principal for two environmental consulting firms and managed projects in South Carolina, Georgia, Florida and Alabama. In 2007, Mr. Brown co-founded Resource & Land Consultants (RLC) which is a natural resources consulting firm focusing on wetland regulation compliance and permitting. He has and continues to participate in the development and management of both freshwater and tidal mitigation banks in Georgia and South Carolina. He is a Society of Wetland Scientists certified professional wetland scientist (PWS), a member of the Georgia Environmental Restoration Association, a Board of Directors member for the Institute for Georgia Environmental Leadership, and a member of the Georgia Department of Natural Resources Coastal Advisory Committee.

Sean Miller, CERP *Mitigation Management, Atlanta and Athens, Georgia*
Mr. Miller is an aquatic biologist and ecological restoration practitioner. He earned a B.S. degree in Environmental Science and an M.S. degree in Biology from Georgia College and State University. Mr. Miller has ten years of experience with aquatic resources assessments, surveys, and restoration in the Southeastern United States. He has completed all four levels of Dr. Dave Rosgen's Natural Channel Design courses. He is currently the only Certified Ecological Restoration Practitioner (CERP) in Georgia, and one of only 12 in the Southeast.

Justin Hammonds *Mitigation Liaison at US Army Corps of Engineers, Savannah District, Regulatory Division*

Additional Learning

April Webinar Series

- Erosion and Sediment Control**
 - **Basics of Site Stormwater Regulations and Requirements**
Wed., April 25, 2018, 11:00 AM - 12:00 PM CDT
 - **Structural and Non-Structural Erosion and Sediment Control Best Practices**
Wed., April 25, 2018, 12:30 PM - 2:30 CDT
 - **Site Planning**
Thurs., April 26, 2018, 11:00 AM - 1:00 PM CDT
 - **Long-term Post Construction Management Practices**
Friday, April 20, 2018, 12:30 PM - 2:30 CDT

For more information and other online learning opportunities visit:
www.halfmoonseminars.org/webinars/

Can't Attend? Order the CD/Manual Package:

An audio recording of this seminar is available for \$289 (including shipping). Allow five weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Registration

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How to Register	
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Complete the entire form. Attach duplicates if necessary.	
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Tuition
() **I will be attending the live seminar.** Single Registrant - **\$279.00**. Three or more registrants from the same company registering at the same time - **\$259.00** each.
() **I am not attending.** Please send me the CD manual package for **\$289.00**. (S&H included. Please allow five weeks from seminar date for delivery)

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