Agenda

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

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

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

Stream & Wetland Restoration and Mitigation
Mitigation banking
Restoration science

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

Wrap-up Discussion

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

Atlanta, GA - Wednesday, April 25, 2018

Analyze what a wetland is
Examine Federal and Georgia freshwater and wetland laws and enforcement
Identify types of wetland permits
Discuss wetland restoration science

Professional Engineers
6.5 PDHs

Architects
6.5 Public Protection PDUs
6.5 AIA HSW Learning Units

Landscape Architects
6.5 Contact Hours
6.5 LACES HSW PDHs

Floodplain Managers
6.5 ASFPM CECs

Attorneys
6.5 Georgia CLE Hours
Faculty

Cody Hale, PhD, BD, NF, Nutter & Associates, Inc., Athens, Georgia
Dr. Hale is a principal and project scientist at Nutter & Associates, an environmental engineering firm located in Athens, Georgia. Dr. Hale 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 certified as a professional 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 Pratt, PhD, PWS, U.S. Army Corps of Engineers, ERDC
Dr. Pratt has over 30 years of professional level work in coastal development, coastal engineering, and coastal restoration. His career includes research and technical experience in both private and public sectors. Currently, he is a research hydrolgist within the Coastal Physical processes Laboratory, Waterways Experiment Station, and the Coastal and Hydraulics Laboratory Development Center (ERDC). Dr. Pratt has led projects related to ecology, hydrology, and water quality including sedimentology of aquatic ecosystems including streams, wetlands, lakes, estuaries, salt marshes and marine settings across numerous significant Clean Water Act enforcement matters.

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 Counselor’s Office of the Army Corps in DC, for Judge Edwardgeld in the federal district court in Savannah, was an associate at Astor & Bird in Atlanta, and served as a law clerk for Judge W. Earle from 2003-2006 for Region 4 of the Environmental Protection Agency.

Adam Sowatzka
Partner with King & Spalding in Atlanta. Mr. Sowatzka has over 12 years of experience practicing environmental law. He is well known for his thorough grasp of environmental issues, gleaned from his experience as an A. T. and T. environmental enforcement, 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 projects in 34 states and is the forefront of some of the most significant environmental issues of the day. He has particular expertise in water and storm water water cases, having resolved numerous significant Clean Water Act enforcement matters.

Tony Greco, PWS
Nutter & Associates, Inc., Athens, Georgia
Mr. Greco is a senior project scientist at Nutter & Associates and specializes in aquatic ecosystems including streams, wetlands, lakes, estuaries, salt marshes and marine settings across numerous significant Clean Water Act enforcement matters. He is currently involved in a number of projects related to ecology, hydrology, and water quality. Mr. Greco received his degree in Environmental Science and Wildlife Management from the University of Georgia.

Additional Learning

Registration

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

How to Register

Online: www.halfmoonseminars.org
Phone: 715-835-5900
Fax: 715-835-6066
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278

Complete the entire form. Attach duplicates if necessary.

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. (N/A included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.
Credit Card: Mastercard, Visa, American Express, or Discover
Credit Card #:
Expiration Date:
CVV2 Code:

Additional Registrants:

Registering Firm Name:
Address:
City:           State:            Zip:

Occupation:
Name:
Email:
Phone:
Fax:

Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.

Email:
Phone:
Fax:

How to Register

Online: www.halfmoonseminars.org
Phone: 715-835-5900
Fax: 715-835-6066
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278

Complete the entire form. Attach duplicates if necessary.

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. (N/A included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.
Credit Card: Mastercard, Visa, American Express, or Discover
Credit Card #: ____________________________
Expiration Date: ____________________________

Additional Registrants:

Registering Firm Name:
Address:
City:           State:            Zip:

Occupation:
Name:
Email:
Phone:
Fax:

Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.

Email:
Phone:
Fax:

How to Register

Online: www.halfmoonseminars.org
Phone: 715-835-5900
Fax: 715-835-6066
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278

Complete the entire form. Attach duplicates if necessary.

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. (N/A included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.
Credit Card: Mastercard, Visa, American Express, or Discover
Credit Card #: ____________________________
Expiration Date: ____________________________

Additional Registrants:

Registering Firm Name:
Address:
City:           State:            Zip:

Occupation:
Name:
Email:
Phone:
Fax:

Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.

Email:
Phone:
Fax:

How to Register

Online: www.halfmoonseminars.org
Phone: 715-835-5900
Fax: 715-835-6066
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278

Complete the entire form. Attach duplicates if necessary.

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. (N/A included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.
Credit Card: Mastercard, Visa, American Express, or Discover
Credit Card #: ____________________________
Expiration Date: ____________________________

Additional Registrants:

Registering Firm Name:
Address:
City:           State:            Zip:

Occupation:
Name:
Email:
Phone:
Fax:

Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.

Email:
Phone:
Fax:

How to Register

Online: www.halfmoonseminars.org
Phone: 715-835-5900
Fax: 715-835-6066
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278

Complete the entire form. Attach duplicates if necessary.

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. (N/A included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.
Credit Card: Mastercard, Visa, American Express, or Discover
Credit Card #: ____________________________
Expiration Date: ____________________________

Additional Registrants:

Registering Firm Name:
Address:
City:           State:            Zip:

Occupation:
Name:
Email:
Phone:
Fax:

Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.

Email:
Phone:
Fax:

How to Register

Online: www.halfmoonseminars.org
Phone: 715-835-5900
Fax: 715-835-6066
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278

Complete the entire form. Attach duplicates if necessary.

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. (N/A included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.
Credit Card: Mastercard, Visa, American Express, or Discover
Credit Card #: ____________________________
Expiration Date: ____________________________

Additional Registrants:

Registering Firm Name:
Address:
City:           State:            Zip:

Occupation:
Name:
Email:
Phone:
Fax:

Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.

Email:
Phone:
Fax: