

Agenda

Presented by Matt Schweisberg and Mary Ann Tilton

Identifying Wetlands

- Presence of wetland vegetation
- Identification of wetland soils
- Importance of underlying wetland hydrology

Understanding Federal and New Hampshire Wetlands Laws and Enforcement

- The Federal Clean Water Act
- New Hampshire Wetlands and Waterbodies Protection Rules
- Implementing/enforcing agencies
 - U.S. Army Corps of Engineers
 - U.S. Environmental Protection Agency
 - U.S. Department of Agriculture
 - U.S. Fish and Wildlife Service
 - NH DES Wetlands Bureau

Wetlands Permitting Process

- Wetlands determinations and delineations
- Determining applicability of regulations
 - Programmatic general permit v. individual permit
 - Wetland permitting and (401) certification processes
 - Notice provisions
 - Review process
 - Mitigation/compensation requirements
 - Appeals process

Compensatory Mitigation

- Understanding the importance of wetlands
- Landscape position and connections
 - Floodflow storage and desynchronization
 - Ground water discharge/recharge
 - Sediment, excess nutrient, contamination retention
 - Fish and wildlife habitat
 - Food chain (nutrient production/export)
 - Shoreline anchoring/stabilization
 - Heritage, aesthetics
 - Recreation
 - Compensation approaches
 - Functionally and geographically appropriate
 - In-Lieu Fee
 - Permittee responsible
 - Wetland restoration
 - Wetland enhancement
 - Wetland creation – least preferred

Wetlands Law and Compliance

Manchester, NH - Friday, January 24, 2020



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Learning Objectives

You'll be able to:

- Identify** wetlands by observing wetland vegetation and soils.
- Understand** the importance of underlying wetland hydrology.
- Comply** with federal and state wetland regulations, and determine the applicability of regulations to individual projects.
- Describe** the wetlands permitting process, including mitigation and compensation requirements for impacted wetlands.
- Discuss** the importance of wetlands for flood storage, groundwater discharge/recharge, sediment retention, wildlife habitat and recreation.
- Learn** about restoring and enhancing wetlands.



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- Explore** wetland soils and plants
- Understand** the importance of underlying wetland hydrology
- Examine** federal and New Hampshire wetland laws and enforcement
- Review** the wetlands permitting process
- Study** compensatory mitigation
- Discuss** the important functions of wetlands, including flood storage, sediment retention and wildlife habitat

Continuing Education Credits

- | | |
|---|---|
| Architects <ul style="list-style-type: none">7.0 HSW Contact Hours*7.0 AIA LU HSW | Professional Engineers <ul style="list-style-type: none">7.0 PDHs |
| Landscape Architects <ul style="list-style-type: none">7.0 HSW Contact Hours7.0 LA/CES HSW PDHs | Floodplain Managers <ul style="list-style-type: none">7.0 ASFPM CECs |
| | Contractors <ul style="list-style-type: none">Non-Credit Education |

*SD and HSW details inside



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Matt Schweisberg *PWS Principal, Wetland Strategies and Solutions, LLC*
Mr. Schweisberg provides policy, regulatory and technical advice and assistance for clients seeking to navigate a wide range of regulatory and non-regulatory issues related to wetlands and other aquatic resources. He works throughout the U.S. Mr. Schweisberg is a Professional Wetland Scientist under the Professional Certification Program of the Society of Wetland Scientists. He is a retired federal wetlands ecologist and wildlife biologist who spent over 32 years with the U. S. Environmental Protection Agency at its headquarters office in Washington, D.C., and at the New England Region office in Boston. Mr. Schweisberg served as chief of the New England Region’s Wetlands Protection Program, as senior wetland ecologist, and on national work groups developing guidance and regulations on Clean Water Act jurisdiction, among other issues. He has testified before federal grand juries and has served several times as an expert witness in federal, state, and private litigation. Mr. Schweisberg has taught courses in wetland regulation, restoration and creation; wetland ecology; and wetland identification and delineation for federal and state agencies, academic organizations, and environmental consultants. He received his degree in Wildlife Management from the University of Maine.

Mary Ann Tilton *Wetlands Bureau of New Hampshire Department of Environmental Services*
Ms. Tilton has worked at the New Hampshire Department of Environmental Services for more than 30 years, and currently serves as the Assistant Administrator for the Wetlands Bureau. She led an effort to rewrite coastal and inland state rules, the first rewrite since 1991. The rules were the result of a multi-year initiative to incorporate best available science, increase consistency, and streamline processes. She also has organized and led multiple internal work groups, 40 public meetings, many drafts, and thousands of responses to comments, in addition to her “regular” work supervising staff, putting in place wetland program plans and grant proposals, and overseeing wetlands permit activities. She has a B.A. degree in Botany and Zoology from Connecticut College, a M.S. degree in Zoology from the University of Rhode Island, and a J.D. degree from the UNH Law School.

Seminar Information

The Executive Court Banquet Center
1199 South Mammoth Road
Manchester, NH 03109
(603) 626-4788

Tuition
\$289 for individual registration
\$269 for three or more registrations.
Included with your registration: *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 self-study package. You may also send another person to take your place.

Continuing Education Credit Information
This seminar is open to the public and offers 7.0 HSW contact hours to architects and landscape architects and 7.0 PDHs to professional engineers in most states, including New Hampshire architects.

Attention New Hampshire architects: Your licensing board relies on each licensee to determine and claim appropriate credit hours regarding SD and HSW classifications. See Architect Rule 403.02 (b) and (c).

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This seminar has been approved by the American Institute of Architects Continuing Education System for 7.0 LU|HSW (Sponsor No. J885) and the Landscape Architecture Continuing Education System for 7.0 HSW PDHs. Only full attendance can be reported to the AIA/CES and LA/CES. Visit www.halfmoonseminars.org for complete AIA/CES information under this course listing.

Additional Learning

Webinar Series
Floodplain Mapping and Regulation
• **Floods, Floodplains and Introduction to Floodplain Management**
Wed., Dec. 4, 2019, 11:00 AM - 12:30 PM CST
• **Flood Maps and Flood Zones**
Wed., Dec. 4, 2019, 1:00 - 2:30 PM CST
• **Elevations in the National Flood Insurance Program (NFIP) and Floodplain Regulation**
Thurs., Dec. 5, 2019, 11:00 AM - 12:30 PM CST
• **Practical Floodplain Management**
Thurs., Dec. 5, 2019, 1:00 - 2:30 PM CST

International Green Construction Code
• **Introduction to the International Green Construction Code (IgCC)**
Wed., Dec. 11, 2019, 11:00 AM - 12:30 PM CST
• **IgCC Chapters 4-5: Site Development and Material Use**
Wed., Dec. 11, 2019, 1:00 - 2:30 PM CST
• **IgCC Chapters 6-9: Energy, Water, Environmental Quality and Building Commissioning**
Thurs., Dec. 12, 2019, 11:00 AM - 12:30 PM CST
• **IgCC Chapters 10-11: Existing Buildings**
Thurs., Dec. 12, 2019, 1:00 - 2:30 PM CST

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

The Association of State Floodplain Managers has approved this event for 7.0 CECs.

This course offers a non-credit continuing education opportunity to contractors. It has not been approved for continuing education credit by any state contractor licensing entity.

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.

Can’t Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!
Audio recordings of this seminar are available for purchase starting at \$269. See registration panel for more information and 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		Registrant Information	
Online: www.halfmoonseminars.org		Name: _____	
Phone: 715-835-5900		Company/Firm: _____	
Fax: 715-835-6066		Address: _____	
Code:		City: _____ State: _____ Zip: _____	
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		Occupation: _____	
Complete the entire form. Attach duplicates if necessary.		Email: _____	
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		Additional Registrants:	
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		Email: _____	
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		Phone: _____	
		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.	
		() I need special accommodations. Please contact me.	

Tuition
() **I will be attending the live seminar.** Single Registrant - **\$289.00**. Three or more registrants from the same company registering at the same time - **\$269.00** each.
() **I am not attending.** Please send me the self-study package:
☐ Downloadable MP3 Audio/PDF Manual for **\$269.00**.
☐ CD/Manual Package for **\$289.00**. ☐ USB/Manual Package **\$289.00**.
(S&H 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 Number: _____
Expiration Date: _____ CVV2 Code: _____
Cardholder Name: _____
Billing Address: _____
City: _____ State: _____ Zip: _____
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