

HalfMoon Education Live Continuing Education Webinars

Stream Restoration in the Eastern U.S.

Online - Tuesday, November 22, 2022 | 8:30 am - 5:00 pm EST

Credits:

Professional Engineers: 7.0 PDHs

Architects: 7.0 HSW CE Hours AIA: 7.0 LU/HSW

Landscape Architects: 7.0 HSW CE Hours LA CES: 7.0 HSW PDHs

Floodplain Managers: 7.0 ASFPM CECs Certified Planners: CM|7

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AIA
Continuing
Education
Provider



Webinar Agenda | Tuesday, November 22, 2022 | 8:30 am - 5:00 pm EST (including a 30-min. break)

Surface Water Behavior

Flow measurement Historical records
Hydraulics and hydrology modeling methods
Understanding human impacts
Causes of stream degradation

Stream Mitigation

Overview of mitigation along the East coast
Trends in the industry Changing credit systems
Ratio and functional crediting

Asset Protection with Appropriate Erosion Control

Strategies in Flashy Streams

What is a flashy stream?
How you can access what you are working with on a flashy stream?
What are some BMPs to resolve erosion along flashy streams
Case studies on successful, implemented strategies that include solutions, challenges and how they look after several growing seasons

Stream Restoration Projects

Designing Constructing
Minimizing impacts to forest resources

Tuition

\$319 for individual registration

\$289 for two or more registrants from the same company at the same time.

Included with your registration: PDF seminar manual.

Learn More and Register:

www.halfmoonseminars.org

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Common Approaches to Stream Restoration

Natural channel design
• Dave Rosgen: uses reference reaches and bankfull flows to drive the design
Regenerative stream conveyance
• Reconnecting the stream bed to the existing floodplain by constructing a series of riffles/pools, sometimes with sand seepage berms, across the floodplain
Valley restoration
• Restoration from a process-based approach, looking to restore the whole valley or riverscape
Case Studies: restoration projects representing each approach and explore their benefits, drawbacks, constraints and opportunities

Complying with Federal Laws and Regulations

Clean Water Act and other federal regulatory criteria
Potential state regulatory program coordination
Potential local regulatory compliance
Potential coordination with other agencies

Presented by

Gregory H. Nail PhD. PE

Associate Professor, University of Tennessee at Marti

Adam Spiller

Regional practice leader for Natural Resources at KCI Technologies

Nancy Schumm, PWS, CPESC, CPMSM, QPFS *Director of the environmental department at PRIME AE Group, Inc. in Baltimore*

Sarah T. Koser, BCES, CERP, PWS

Program Manager for Restoration at the Chesapeake Bay Trust

Suzanne Hoehne *Senior Ecological Designer*

Andrew Der *Principle of Andrew T. Der & Associates, LLC*

Credit Information

This webinar is open to the public and is designed to qualify for 7.0 PDHs for professional engineers, 7.0 HSW continuing education hours for licensed architects, and 7.0 HSW continuing education hours for landscape architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2)). Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 7.0 LU/HSW (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The Landscape Architecture Continuing Education System has approved this course for 7.0 HSW PDHs. Only full participation is reportable to the LA CES.

This webinar has been approved by the Association of State Floodplain Managers for 7.0 CECs for floodplain managers.

HalfMoon Education is an approved CM Provider with the American Planning Association. This course is registered for CM | 7 for Certified Planners.

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

Can't Attend? Order the Webinar as an On-Demand Package!

Recordings of this webinar are available for purchase. See details online 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.