

Agenda

Presented by Brian J. Kwiatkowski

Stream Restoration for Design Professionals Day One

Thursday, February 4, 2021 | 11:00 am - 2:30 pm CST (including a 15-min. break)

The Behavior of Surface Water

- Flow measurement
- Historical records
- H&H modeling methods
- Understanding human impacts
- Causes of river degradation

Introduction to Geomorphology

- Fluvial geomorphology 101
- The 4 dimensions (section, planform, profile, time)
- Channel evolution
- Stream hydraulics
- Stream ecology

Stream Restoration for Design Professionals Day Two

Friday, February 5, 2021 | 11:00 am - 2:30 pm CST (including a 15-min. break)

Tools for Assessment and Restoration

- Rapid watershed assessment methods
- Prescribed treatments
- In-stream structures (profile)
- Streambank stabilization (section)
- Planform reconstruction (planform)
- Buffer revegetation
- Watershed management
- Project examples

Design Considerations

- Plans and specifications
- Stakeout and structure tables
- Submittals and deliverables
- Project stop points
- Site preparation
- Erosion and sediment control
- Managing invasive vegetation
- Successful riparian restoration

Lessons Learned: Construction Considerations

Stream Restoration for Design Professionals

Online - Thurs., February 4 and Fri., February 5, 2021



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Learning Objectives

You'll be able to:

Identify the causes of river degradation, and discuss the impacts of human activity on rivers.

Measure stream flow using historical records and modeling.

Explore the principles of geomorphology, including channel evolution, stream hydraulics and stream ecology.

Describe the processes for assessing and restoring streams, including the creating of in-stream structures, stream bank stabilization and planform reconstruction.

Put restoration goals into action, by creating plans and specifications, preparing sites and preventing erosion and sedimentation



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HalfMoon Education Online Learning

Stream Restoration for Design Professionals

Live, Interactive Webinar Series

Thursday, February 4 and Friday, February 5, 2021



Learn about the behavior of surface water

Understand the fundamentals of geomorphology

Examine tools for assessment and restoration

Get design tips for dealing with erosion, sediment control and invasive vegetation

Discuss lessons learned from stream restoration case studies

Continuing Education Credits

Professional Engineers

6.5 PDHs

Architects

6.5 HSW CE Hours

AIA

6.5 LU | HSW

Landscape Architects

6.5 HSW CE Hours

LA CES

6.5 HSW PDHs

Floodplain Managers

6.5 ASFPD CECs



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Brian J. Kwiatkowski *Applied Ecological Services*
Mr. Kwiatkowski is a Certified Professional Ecologist (CE) and fluvial geomorphologist, with nearly 20 years of experience in the fields of watershed planning, green infrastructure design, and ecosystem restoration. Mr. Kwiatkowski has extensive training in the analysis and design of riverine systems, including Newbury Hydraulics and Rosgen Level IV Natural Channel Design certification. He is responsible for developing watershed management plans, river and stream restoration projects, and sustainable stormwater systems. He has collected and analyzed data on more than 400 miles of open channel throughout North America, including geomorphic and vegetative process indicators, habitat evaluation, and sediment transport data. Mr. Kwiatkowski has also contributed to stormwater best management practice (BMP) manuals addressing the design of open channels, design of storm drainage facilities, green infrastructure planning, and water quality improvement. He has provided design, inspection and construction management services for numerous projects throughout the United States.

Webinar Information

Day One: Thursday, February 4, 2021
11:00 am - 2:30 pm CST (including a 15-min. break)

Day Two: Friday, February 5, 2021
11:00 am - 2:30 pm CST (including a 15-min. break)
(please log into the webinar 15 - 30 minutes before start time)

Tuition
\$289 for individual registration
\$199 for three or more registrants from the same company at the same time.
Included with your registration: PDF seminar manual.

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

Webinars are presented via GoToWebinar. Instructions and login information will be provided in an email sent close to the date of the webinar. For more information, please visit our FAQ section of our website, or visit www.gotowebinar.com.

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

Additional Learning

Stormwater Best Management Practices
- Wed., Jan. 13, 2021 | 8:30 am - 5:00 pm CST

Landscaping for Pollinators
- Wed., Jan. 13, 2021 | 10:00 am - 12:00 pm CST

Practical Site Engineering: Science & Techniques
- Thurs., Jan. 14, 2021 | 11:00 am - 3:15 pm CST
- Fri., Jan. 15, 2021 | 11:00 am - 2:15 pm CST

The Arborist Short Course: Advanced Tree Knowledge for Better Tree Care
- Fri., Jan. 15, 2021 | 9:00 am - 4:30 pm CST

Mitigating Fire Risks through Landscape Design, Materiality, and Stewardship
- Thurs., Jan. 21, 2021 | 11:00 am - 1:00 pm CST

Engineered Lumber Design and Construction
- Fri., Jan. 22, 2021 | 8:30 am - 5:00 pm CST

Soil Mechanics, Bearing Capacity, and Slope Stabilization
- Mon., Jan. 25, 2021 | 8:30 am - 4:30 pm CST

Metes and Bounds Land Description Workshop
- Mon., Jan. 25, 2021 | 10:00 am - 4:00 pm CST

Seismic Design and Construction in the Eastern U.S.
- Tues., Jan. 26, 2021 | 7:30 am - 4:00 pm CST

Project Management Fundamentals for Engineers
- Tues., Jan. 26, 2021 | 8:30 am - 4:00 pm CST

Determining Land Ownership and Access Rights
- Wed., Jan. 27, 2021 | 11:00 am - 2:15 pm CST
- Thurs., Jan. 28, 2021 | 11:00 am - 2:15 pm CST

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

Continuing Education Credit Information
This webinar offers 6.5 PDHs to professional engineers and 6.5 HSW continuing education hours to architects in all states. It offers 6.5 HSW continuing education hours to landscape architects in all states, except Florida, New Jersey, and North Carolina.

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This course has been approved by the American Institute of Architects Continuing Education System for 6.5 LU | HSW (Sponsor No. J885) and the Landscape Architect Continuing Education System for 6.5 HSW PDHs. Only full participation is reportable to the AIA/CES and LA CES.

The Association of State Floodplain Managers has approved this event for 6.5 CECs for certified floodplain managers.

Completion certificates will be awarded to participants who complete this event, respond to prompts, and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

Can't Attend? Order the Webinar as a Self-Study Package!
Recordings of this webinar are available for purchase. 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

Stream Restoration for Design Professionals
Live, Interactive Webinar - Thursday, February 4 and Friday, February 5, 2021

How to Register	Registrant Information Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____
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Complete the entire form. Attach duplicates if necessary.	
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Tuition () I will be attending the live webinar. Single Registrant - \$289.00 . Three or more registrants from the same company registering at the same time - \$199.00 each. () I am not attending. Please send me the webinar recording: ☐ Streamable MP4 Video/PDF Manual for \$299.00 . ☐ USB Video/PDF Manual for \$299.00 .
Checks: Make payable to HalfMoon Education Inc. Credit Card: <i>Mastercard, Visa, American Express, or Discover</i> Credit Card Number: _____ Expiration Date: _____ CVV2 Code: _____ Cardholder Name: _____ Billing Address: _____ City: _____ State: _____ Zip: _____ Signature: _____ Email: _____
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