

# Agenda

<b>Returning Natural Areas to the Landscape</b> Natural land systems before development How much natural area has been lost to development? Benefits of restoring natural areas Micro and macro benefits of restoration Restoration on micro and macro scales Raising the issue of restoration with clients	<i>J. Barzen</i>
<b>Prairie Identification, Characteristics and Functions</b> Prairie characteristics and identification Site evaluation and project planning Site preparation and planting Long term planning and maintenance	<i>C. Ritterbusch</i>
<b>Forest Management</b> Definition of forest types and oak-hickory woodlands Ecological function of oak-hickory systems Woody invasive species management Woodland fire ecology – prescribed fire as a critical management tool in woodlands Comprehensive woodland management – herbaceous layer, shrub layer, overstory canopy layer State programs that help fund woodland management Managing woodlands for wildlife habitat	<i>C. Frazer</i>
<b>Wetland Identification, Characteristics and Functions</b> Wetland characteristics and identification Site evaluation and project planning Site preparation and planting Long term planning and maintenance	<i>J. Larson</i>

**Can't Attend? Order the Manual and the 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.

## Restoration of Natural Areas Madison, WI - Friday, February 28, 2020



HalfMoon Education Inc.  
PO Box 278  
Altoona, WI 54720-0278

NON-PROFIT  
U.S. POSTAGE PAID  
EAU CLAIRE, WI  
PERMIT NO. 2016

## Learning Objectives

- You'll be able to:**
- Identify** how much natural area has been lost to development.
  - Describe** the benefits of restoring natural areas.
  - Explain** long term prairie restoration planning and maintenance.
  - Discuss** comprehensive woodland management – herbaceous layer, shrub layer, overstory canopy layer.
  - Examine** prescribed fire as a critical management tool in woodlands management.
  - Explore** wetland site evaluation and project planning.



Find us on  
Facebook

# Restoration of Natural Areas

Madison, WI - Friday, February 28, 2020



- |  |  |
|--|--|
| <b>Learn</b> about natural land systems before development             | <b>Review</b> forest types and woodland management techniques        |
| <b>Identify</b> the benefits of restoring natural areas                | <b>Discuss</b> wetland identification, characteristics and functions |
| <b>Understand</b> prairie identification, characteristics and function | <b>Explore</b> restoration on micro and macro scales                 |

### Continuing Education Credits

<b>Architects &amp; Landscape Architects</b> 7.0 HSW Continuing Ed. Hours 7.0 AIA LU HSW 7.0 LA/CES HSW PDHs	<b>Professional Engineers</b> 7.0 PDHs
	<b>Certified Arborists</b> 7.0 CEUs (more CEUs inside)
	<b>Floodplain Managers</b> 7.0 ASFPM CECs



HalfMoon Education Inc.  
WWW.HALFMOONSEMINARS.ORG



AIA  
Continuing  
Education  
Provider

Faculty

**Jeb Barzen** *Ecologist at Private Lands Conservation LLC in Spring Green, WI*  
Mr. Barzen has a B.S. degree from the University of Minnesota and an M.S. degree from University of North Dakota. Both degrees are in Wildlife Biology. For more than 28 years he directed the Field Ecology Department at the International Crane Foundation. That work focused linking crane conservation to private landowners and to meeting the needs of both as well as the needs of ecosystems in which both cranes and people live. Such efforts were based in the concepts of ecosystem restoration. Projects occurred in Wisconsin, China and throughout Southeast Asia. After leaving ICF, Mr. Barzen has used his experience through Private Lands Conservation LLC to focus on developing the economic drivers that will help people implement conservation at ecologically meaningful scales while incorporating ecosystem restoration into those goals.

**Cory Ritterbusch** *Ecologist at Prairie Works, Inc, in Galena, IL*  
Mr. Ritterbusch has been restoring, installing and stewarding native ecosystems since the late '90s. In 2006, he started Prairie Works, Inc. Mr. Ritterbusch has been involved in all facets of natural area projects including sales, design, implementation, long-term care and consultation. He also teaches at the University of Wisconsin – Platteville and has published a biography on early conservationist, H.S. Pepoon. He is also experienced in the restoration of Native American burial mounds. He carries many certifications in prescription fire. Mr. Ritterbusch lives in Shullsburg, Wisconsin.

**Clayton Frazer** *Senior Ecologist at Eco-Resource Consulting, Inc. in Stoughton, WI*  
Mr. Frazer received his bachelor of science degree in Zoology/Wildlife Ecology from Southern Illinois University at Carbondale in 1996. Following a two-year Peace Corps Volunteer post in West Africa working in the agro-forestry sector, he began his professional career as a wildlife technician for the Wisconsin Department of Natural Resources. This work led to a position with Pheasants Forever in Southeast Wisconsin as a grassland ecologist where he facilitated

more than 6,000 acres of private land prairie and wetland restorations, including development and management of a statewide prescribed fire program. In 2008, Mr. Frazer entered the private consulting sector as a restoration ecologist and in 2012, he accepted a position as a senior ecologist with Eco-Resource Consulting, Inc. (ERC). Since this time Mr. Frazer has developed his skills in the areas of native plant ecology, invasive species management, stream restoration, wetland mitigation and delineation, urban stormwater management, erosion control, project planning/design and monitoring and reporting. Through the design and implementation of adaptive management approaches, he has accrued 20 years of “hands-on” knowledge base in native plant community management and now leads business and new market development at ERC.

**John Larson, Ph.D.** *Principal Ecologist at Applied Ecological Services, Inc. in Brodhead, WI*  
Dr. Larson is a principal ecologist at Applied Ecological Services (AES) and a certified senior ecologist with the Ecological Society of America. During his 27-year tenure at AES, he has focused on wetland restoration and design, wetland construction and construction oversight, and vegetation/hydrology monitoring of mitigation sites. His experience at AES includes acting as project ecologist for The Nature Conservancy's 7,200-acre Kankakee Sands wetland and prairie restoration in Indiana and a 575-acre wetland restoration project at Seneca Meadows, the largest landfill in the State of New York. He has also been involved in a variety of activities in over two dozen wetland mitigation banks in the Midwest, recently permitting a wetland mitigation bank in Iowa, and he is currently preparing a mitigation banking instrument for a site in Wisconsin. Dr. Larson has been a lead scientist at AES in the ecological monitoring of hundreds of wetland restoration and mitigation projects throughout the Midwest. Additional areas of expertise include ecological restoration and management planning and design, environmental review documents, floristic analysis, land cover-type mapping, threatened and endangered species investigations, and stormwater management design for flood control and water quality.

Seminar Information

**Doubletree by Hilton Madison**  
525 West Johnson Street  
Madison, WI 53703  
(608) 251-5511

**Tuition**  
**\$289** for individual registration  
**\$269** for three or more registrants from the same company at the same time.

**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](http://www.halfmoonseminars.org).

**How to Register**

- Visit us online at [www.halfmoonseminars.org](http://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 PDHs to professional engineers and 7.0 HSW continuing education hours to architects and landscape architects in most states, including Wisconsin. Educators and courses are not subject to preapproval in Wisconsin.

This seminar is 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. Visit [www.halfmoonseminars.org](http://www.halfmoonseminars.org) for complete AIA/CES course information under this seminar listing. Only full attendance is reportable to the AIA/CES and LA/CES

The International Society of Arboriculture has approved this course for the following CEUs: 7.0 Certified Arborist, Municipal Specialist, Aerial Lift, Climber Specialist; 3.75 Utility Specialist; 3.0 Management; 2.0 BCMA Science, Practice.

The Association of State Floodplain Managers has approved this course for 7.0 CECs for certified floodplain managers.

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

Additional Learning

- Webinar Series**
- Soil Mechanics and Slope Stability**
- **Soil Investigation and Classification**  
Tues., Feb. 25, 2020, 11:00 AM - 1:00 PM CST
  - **Reviewing Hydraulic and Mechanical Properties of Soils**  
Tues., Feb. 25, 2020, 1:30 - 3:00 PM CST
  - **Determining and Increasing Bearing Capacity**  
Wed., Feb. 26, 2020, 11:00 AM - 1:00 PM CST
  - **Determining and Increasing Slope Stability**  
Wed., Feb. 26, 2020, 1:30 - 3:00 PM CST

For more information and other online learning opportunities visit: [www.halfmoonseminars.org/webinars/](http://www.halfmoonseminars.org/webinars/)

**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  
Restoration of Natural Areas

Madison, WI - Friday, February 28, 2020

How to Register		Registrant Information
<b>Online:</b> <a href="http://www.halfmoonseminars.org">www.halfmoonseminars.org</a>		Name: _____
		Company/Firm: _____
		Address: _____
		City: _____ State: _____ Zip _____
		Occupation: _____
		Email: _____
		Phone: _____
<b>Phone:</b> 715-835-5900		
<b>Fax:</b> 715-835-6066	<b>Code:</b>	<b>Additional Registrants:</b>
<b>Mail:</b> HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		Name: _____
		Occupation: _____
		Email: _____
		Phone: _____
		Name: _____
		Occupation: _____
		Email: _____
		Phone: _____
<b>Complete the entire form.</b> Attach duplicates if necessary.		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.

<b>Tuition</b>
( ) <b>I will be attending the live seminar.</b> Single Registrant - <b>\$289.00</b> . Three or more registrants from the same company registering at the same time - <b>\$269.00</b> each.
( ) <b>I am not attending.</b> Please send me the self-study package:
<input type="checkbox"/> Downloadable MP3 Audio/PDF Manual for <b>\$269.00</b> .
<input type="checkbox"/> CD/Manual Package for <b>\$289.00</b> . <input type="checkbox"/> USB/Manual Package <b>\$289.00</b> . (S&H included. Please allow five weeks from seminar date for delivery)
<b>Checks:</b> Make payable to HalfMoon Education Inc.
<b>Credit Card:</b> Mastercard, Visa, American Express, or Discover
Credit Card Number: _____
Expiration Date: _____ CVV2 Code: _____
Cardholder Name: _____
Billing Address: _____
City: _____ State: _____ Zip: _____
Signature: _____
Email: _____