

# Agenda

Presented by  
**Michael A. Liptak, Ph.D. and David Czayka**

## Introduction to Restoration

- What is ecological restoration?
- Types of restoration- active vs. passive
- ADIM - Assess, design, implement, monitor/manage
- Setting Tennessee restoration goals
- Assessment

## Design - Site Evaluation and Project Planning in Tennessee

- SMART goal setting
- Project objectives
- Monitoring criteria
- Reference communities
- Designing in a changing world
- Designing with nature, not against it
- Considerations for urban environments
- Humans and the natural environment

## Implementation

- Construction considerations
- Environmental permitting and regulatory processes

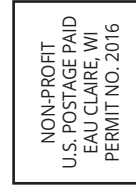
## Monitoring and Adaptive Management

- Monitoring techniques
- Success criteria
- Long-term site management
- Invasive species control
- The role of fire in ecosystem management

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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. Self-study packages do not qualify for AIA or LA CES credit.

**Tennessee - Restoration of Natural Habitats:**  
Including Prairies, Wetlands and Forests  
Live, Interactive Webinar - Friday, October 29, 2021



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## Learning Objectives

### You'll be able to:

**Define** ecological restoration, and distinguish between active versus passive restoration.

**Set** project objectives for Tennessee restoration projects, and define criteria for monitoring project progress.

**Learn** to design with nature, not against it.

**Consider** the interaction of natural and urban environments.

**Discuss** permitting, regulatory compliance and construction concerns.

**Explore** long-term site management goals and techniques.



## HalfMoon Education Live Webinars

# Tennessee - Restoration of Natural Habitats:

### Including Prairies, Wetlands and Forests

Live, Interactive Webinar - Friday, October 29, 2021



**Analyze** types of restoration, including active vs. passive

**Discuss** setting Tennessee restoration goals

**Examine** site evaluation and project planning in Tennessee

**Explore** environmental permitting and regulatory processes

**Learn** about monitoring and adaptive management and discuss invasive species control

### 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

**Certified Planners**  
CM | 6.5

**Floodplain Managers**  
6.5 ASFPM CECs

**Certified Arborists**  
6.5 ISA CEUs (more inside)

**Foresters**  
6.5 SAF Cat. 1 Hours



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# Faculty

**Michael A. Liptak, Ph.D.** *EnviroScience, Inc., Northeast Headquarters, Stow, Ohio*

Dr. Liptak is a member of the ecological survey team where he specializes in rare plant surveys, wetlands ecology, wetland restoration, and mitigation wetland design. He earned his Ph.D. at Ohio State University under the noted wetland ecologist Dr. William Mitsch, and completed his graduate research on the created wetlands at the Olentangy River Wetland Research Park in Columbus. Dr. Liptak has over 15 years of experience in wetlands research and ecological consulting and is a Certified Senior Ecologist (Ecological Society of America). His main responsibilities at EnviroScience include rare plant surveys, wetland restoration planning, wetland assessments and delineations, technical report preparation and permitting. Dr. Liptak has experience in preparing mitigation plans for many different projects, including wetland creation, restoration and enhancement, as well as preparing upland restoration and prairie planting plans.

**David Czayka** *EnviroScience, Inc., Northeast Headquarters, Nashville, Tennessee*

Mr. Czayka is the manager of EnviroScience's Nashville office and brings a wide breadth of knowledge to the team. His experience includes freshwater and coastal fish, mussel, and vegetation surveys, as well as stream assessment, wetland delineation, invasive species management, terrestrial mammal surveys, and ichthyoplankton identification. Mr. Czayka plays a key role in the efficient implementation of the firm's emergency response and field-based services. In addition to his formal scientific training and consulting experience, he is a PADI certified open water diver and has completed OSHA construction 10-Hour training, HAZWOPER 40-hour training and 8-hour stormwater management training.

# Webinar Information

|  |  |
|--|--|
| Log into Webinar<br>8:00 - 8:30 am CDT | Break<br>11:40 am - 12:10 pm CDT         |
| Morning Session<br>8:30 - 11:40 am CDT | Afternoon Session<br>12:10 - 3:50 pm CDT |

## Tuition

**\$289** for individual registration

**\$239** 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](http://www.halfmoonseminars.org)
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

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**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.

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# Additional Learning

## The Arborist Short Course: Advanced Tree Knowledge for Better Tree Care

- Fri, Sept 24, 2021 | 7:30 am - 3:30 pm CDT

## A Roadmap to Ethical Issues in Construction: A Primer for Design Professionals

- Wed, Sept 29, 2021 | 11:00 am - 1:00 pm CDT

## How to Handle Claim Issues and Dispute Resolution for Public and Private Construction Projects

- Tues, Oct 12, 2021 | 10:00 am - 1:15 pm CDT

## Soil Testing, Properties and Uses

- Wed, Oct 13, 2021 | 10:00 am - 12:00 pm CDT

## AIA Contract Document Workshop

- Mon, Oct 18, 2021 | 8:30 am - 4:30 pm CDT

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

## Continuing Education Credit Information

This webinar offers 6.5 continuing education hours to professional engineers and 6.5 HSW continuing education hours to architects and landscape architects in Tennessee.

Architects, engineers and landscape architects seeking continuing education credit in other states will be able to apply the hours earned at this webinar, in most cases. 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, architects, and landscape architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2), §69.6(i)(2), and §79-1.5(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 6.5 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 6.5 HSW PDHs. Only full participation is reportable to the LA CES.

HalfMoon Education is an approved CM Provider with the American Planning Association. This course is registered for CM | 6.5 for Certified Planners (Course No. 9220864).

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

The International Society of Arboriculture has approved this course for the following CEUs: 6.5 CEUs Certified Arborist, Utility Specialist, Municipal Specialist; 4.5 BCMA Management, 2.0 BCMA Practice.

The Society of American Foresters has approved this course for 6.5 SAF Cat. 1 hours.

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

# Registration

## Tennessee - Restoration of Natural Habitats

Live, Interactive Webinar - Friday, October 29, 2021

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

## 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 - **\$239.00** 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.

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