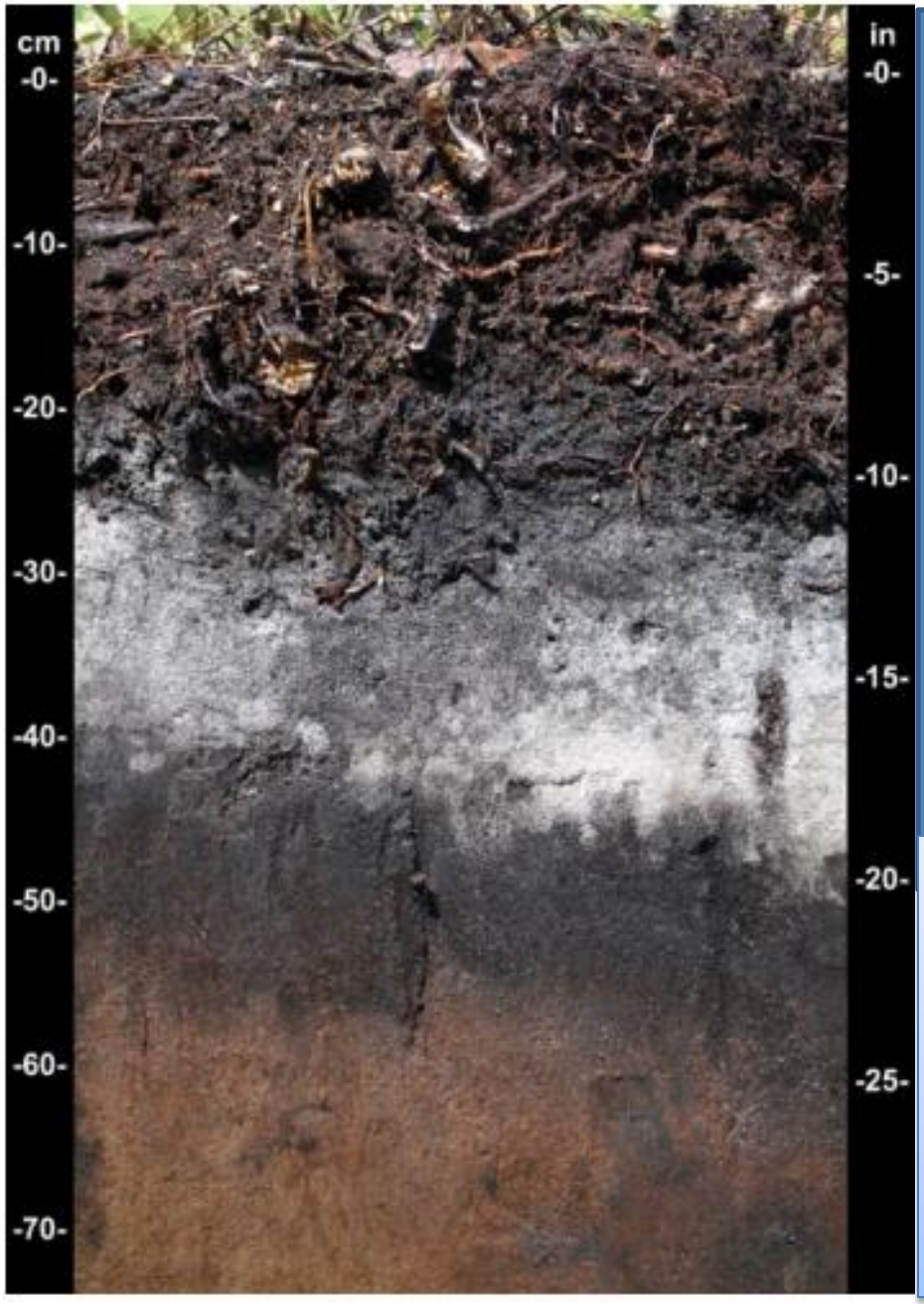


Photo Source: NRCS Field Indicators of Hydric Soils, Version 7.0, 2010

Association of State Wetland Managers

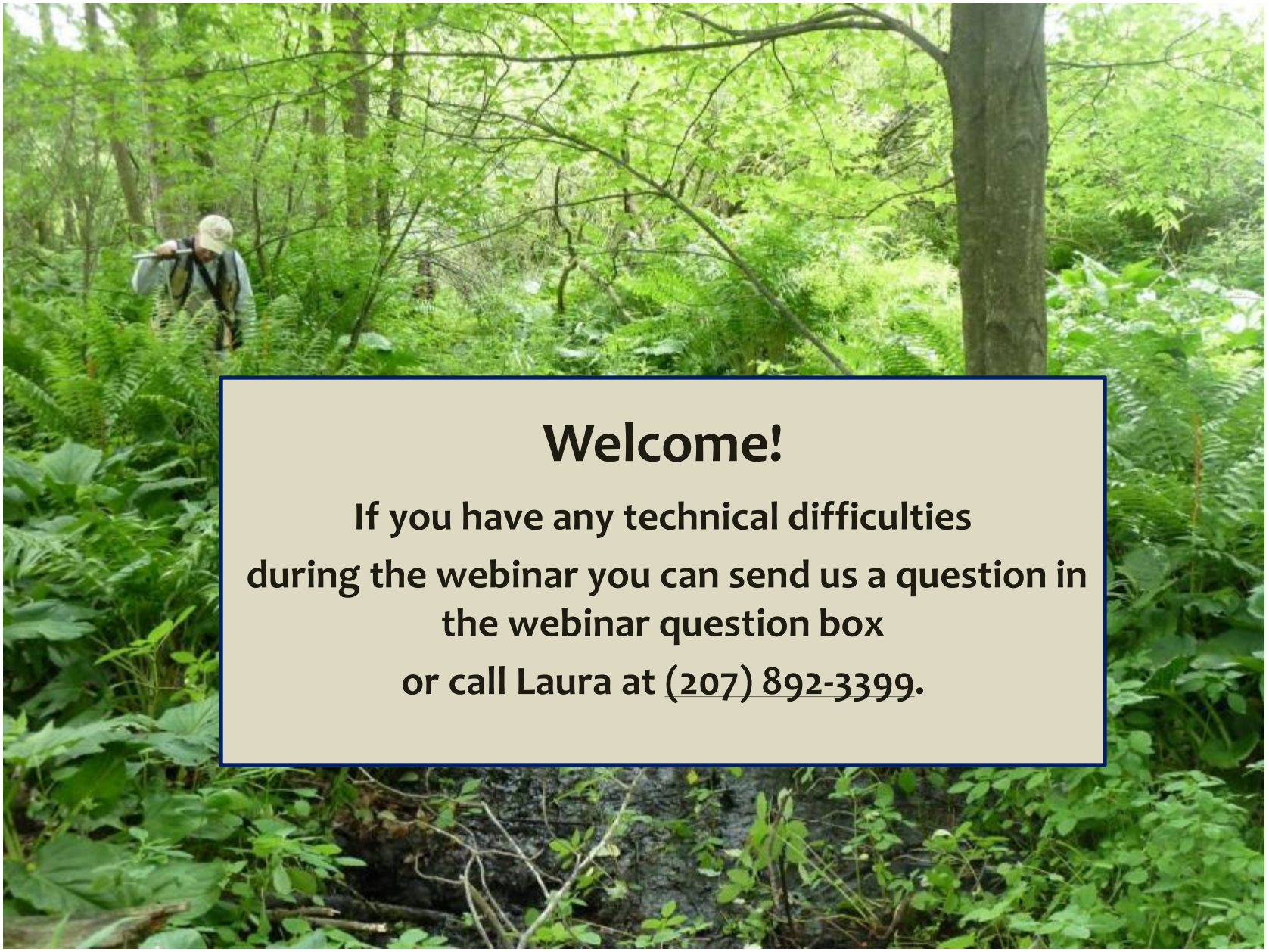
Soils Training Webinar Series
Webinar #4

Using Field Observations of Soils Onsite in Decision Making

October 12, 2016
3:00 - 5:00 pm Eastern

Training Presenters

John Galbraith, Virginia Tech
W. Lee Daniels, Virginia Tech
Bruce Vasilas, University of Delaware



Welcome!

If you have any technical difficulties

during the webinar you can send us a question in the webinar question box

or call Laura at (207) 892-3399.

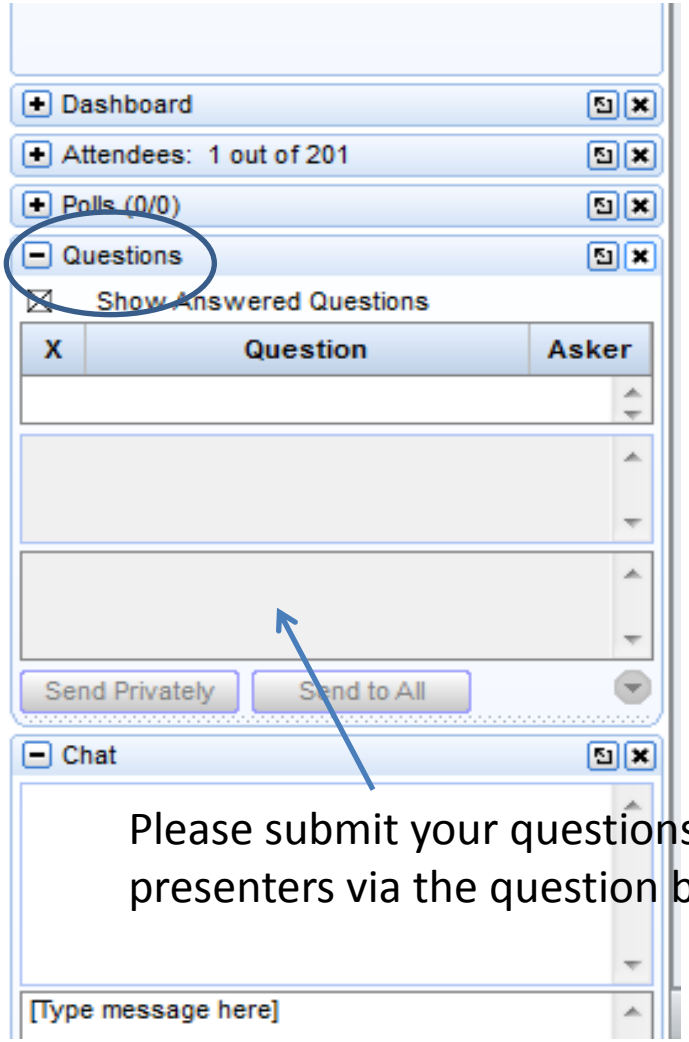
Some Tech Guidance for Today's Webinar

If you are using the telephone to listen to the webinar, please mute both your computer's microphone and speakers

To ensure GoToWebinar runs as smoothly as possible, please close any programs you are not using

In case of audio issues:

Have the .pdf document we sent you prior to the webinar ready to follow; you can still call-in using the telephone using the number and access code



Please submit your questions for the presenters via the question box.

Training Webinar Agenda

Welcome
(5 minutes)

Introduction of ASWM Training Pilot and Voluntary Online Quiz
(5 minutes)

Trainer Introductions
(5 minutes)

Three Training Presentations
(~75 minutes combined)

Q&A
(30 minutes)

Introductory Remarks from
Jeanne Christie, ASWM Executive Director
Today's Webinar Moderator

ASWM Wetland Training
A Work in Progress

- Working with a national project workgroup to help guide ASWM efforts
- Hydric soils training in response to ASWM needs assessment and restoration project findings
- Our grant is allowing us to pilot different training types, methods, tools and techniques
- Working to find the best methods and tools to deliver trainings
- Online training pilot
- Lots of considerations and learning as we go
- We welcome feedback!

Recap of Webinars to Date & ASWM Hydric Soils Training Next Steps

Content Already Covered

Webinar #1: Basics of Hydric Soils

July 13, 2016

Topics: Soil formation, horizonation versus simple processes, soil texture and structure and soil color

Webinar #2: Hydric Soil Processes

August 10, 2016

Topics: Redox reactions and redoximorphic features, hydric soils functions, The Hydric Soil Technical Standard

Hydric Soils Training Webinar #3: Landforms and Landscapes

September 14, 2016

Topics: 1) landscape and hydric soils, 2) problematic landscapes and parent materials, and 3) HGM and hydric soils.

Since the Webinar

- Sent out certificates of participation to all who requested for Webinars #1-3
- Tried out several different quiz mechanisms; piloting new tool Class Marker

Under Construction:

ASWM Online Training Modules

- Post-processing webinars into online training modules available for anytime/anywhere access
- *Individual Online Module = Intro + One Presentation + Quiz*
- Qualified for documentation of participation (for use in obtaining CEUs)
- Free for ASWM Members, fee for certificates only for non-Members starting January 1, 2017

Hydric Soils Training Webinar #4

PURPOSE

Based on ASWM project training needs assessment, data from ASWM's recent studies and wetland restoration project findings

Soil Webinar Series has been designed to:

- Meet a clear training need for on-the-ground wetland professionals
- Deliver high quality soils training

Voluntary Quiz ← Asking all participants to take the quiz

- To evaluate the quality of ASWM training
- To inform ASWM's larger initiative to improve access to high quality wetland training
- To identify participants who wish to receive *documentation of attendance* in the webinar

IMPORTANT

To receive documentation of webinar attendance (for CEUs), you must:
1) participate in the live webinar presentation and 2) complete the electronic quiz.

Webinar #4 **Learning Objectives**

Using Field Observations of Soils Onsite in Decision Making

By taking part in this training webinar, participants should be able to:

Better understand how to use field observations of soils onsite in decision making, specifically…

- How to use field indicators of hydric soils in the United States
- Hydric soils as they relate to mitigation, voluntary restoration and creation, and
- How to use field indicators to assess long-term hydrology

On-the-Ground Training Recommended

in addition to ASWM Webinars/Online Modules

Jeanne Christie Photo

- Soils training needs a field component
- Learning basics today about hydric soils processes that can be taught remotely
- ASWM encourages you to participate in field training
- ASWM has been working with our hydric soils training team to draft field training guidance
- Find a local/state/regional entity that can host field training

What's On the Voluntary Quiz?

You will take the quiz on an electronic site *called* Class Marker.

We welcome feedback on its functionality and user-friendliness.

- Basic Information
  - First and last name
  - Email address
  - Certify you participated in the live webinar
- Knowledge Questions
  - Nine soils training questions (three per webinar section)

Quiz takes ~10 minutes to complete

The quiz will be available for 30 days.

How to Access the Online Quiz

A link to the electronic quiz will be provided
at the end of the webinar, before the Q&A Session

Your Options

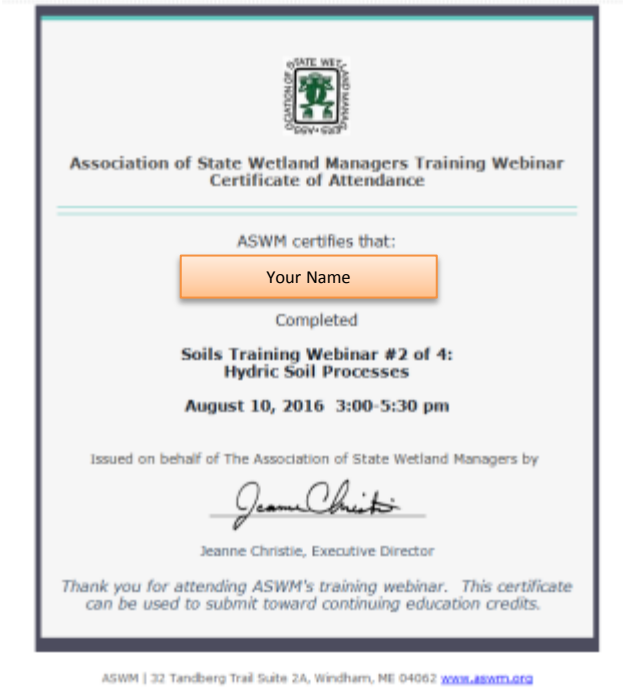
Option A: Click on the hyperlink provided in the webinar "Comment Box"

Option B: Use the hyperlink that will be sent in follow-up GoToWebinar email

If you cannot access the Class Marker site…

Option C: You may request a PDF copy of the quiz to be emailed to you (with directions) by contacting Laura Burchill at laura@aswm.org

Documentation of Participation



Association of State Wetland Managers Training Webinar
Certificate of Attendance

ASWM certifies that:

Your Name

Completed

Soils Training Webinar #2 of 4:
Hydric Soil Processes

August 10, 2016 3:00-5:30 pm

Issued on behalf of The Association of State Wetland Managers by

Jeanne Christie, Executive Director

Thank you for attending ASWM's training webinar. This certificate can be used to submit toward continuing education credits.

ASWM | 32 Tandberg Trail Suite 2A, Windham, ME 04062 www.aswm.org

If you have multiple people viewing the webinar using one web link, contact Laura@aswm.org to request ASWM's webinar multi-viewer form.

If you both participate in the live webinar broadcast and complete the online quiz…

You will receive a certificate of participation at the email address you entered on the quiz.

Documentation will be sent immediately following completion of the quiz

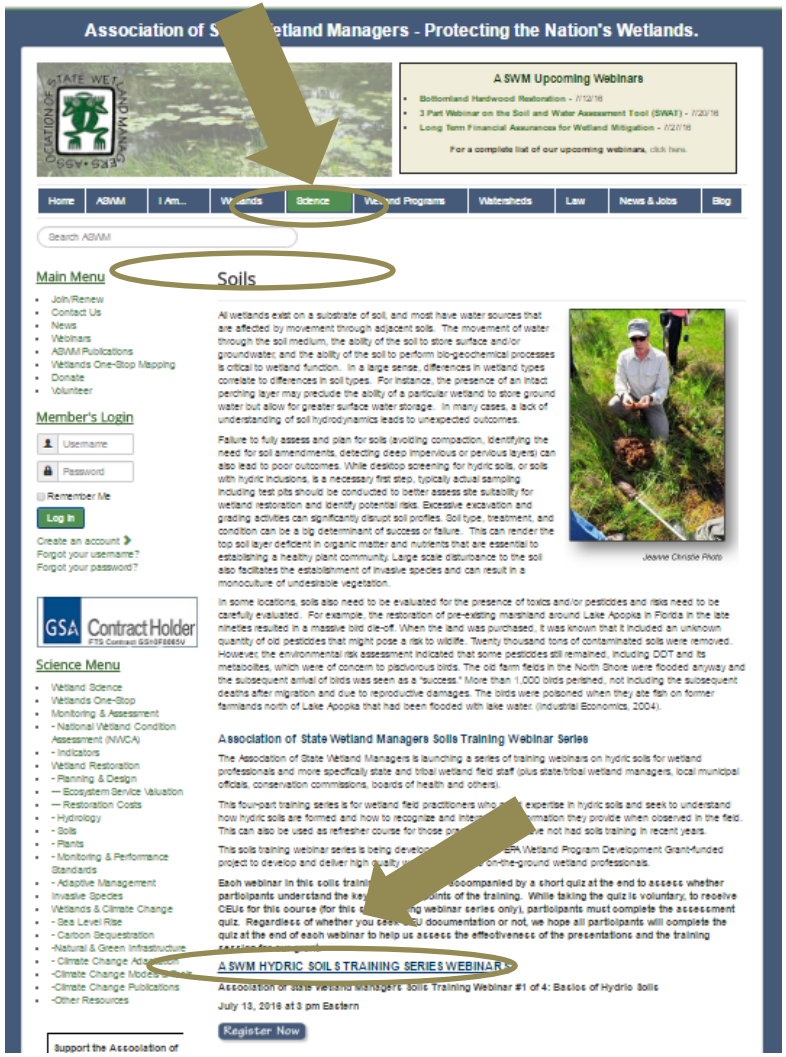
You must submit documentation yourself to accrediting agency for CEUs

How to Access Information about ASWM Soils Training Webinars and Online Modules

www.aswm.org

Online Modules will be posted on ASWM Soils Page when ready for use

Online modules developed from Webinars are planned to be available by the end of the calendar year.



Today's Trainers

John Galbraith
Associate Professor
of Crop and Soil
Environmental Sciences,
Virginia Tech

Lee Daniels
Professor of
Environmental
Soil Science
Virginia Tech
Blacksburg, Virginia

Bruce Vasilas
Professor of Agronomy
and Soil Management,
Plant and Soil Sciences
Department,
University of Delaware

Handing Over Controls to Today's First Trainer

The profile on the right is from a drained wetland adjacent to a ditch. The profile on the left is from an area not affected by the ditch. Both soils meet the requirements for indicators F3 (Depleted Matrix) and A11 (Depleted Below Dark Surface) and thus are hydric soils.
Photo and Caption Source: NRCS Field Indicators of Hydric Soils, Version 7.0, 2010