

Wetland Training Webinar Series

*Hosted by the Association of State Wetland Managers
and the USDA Natural Resources Conservation Service*



Photo credit: USGS

Webinar #6 of 9: Dealing with Changing Weather Patterns in Wetland Restoration Planning

May 6, 2019

2:00 pm – 4:00 pm Eastern

Webinar Presenters:

- Susan Galatowitsch, University of Minnesota
- Ryan O'Connor, Wisconsin Department of Natural Resources
- Danielle Shannon, USDA Climate Hubs, Northern Institute of Applied Climate Science



Welcome!

If you have any technical difficulties during the webinar you can send us a question in the webinar question box or call our office at (207) 892-3399.



Photo Credit: NRCS

If your Internet connection is slow...

Turn off other programs, restart and if that doesn't work...

Prior to this webinar our office sent an e-mail with a link to pdf's of all the presentations to everyone who was registered.

It is possible to use that in lieu of watching the PowerPoint and listen on the phone.



This webinar is being recorded.
It will be post-processed and available to watch from the ASWM webinar section our website in 4-6 weeks.

ASWM-NRCS Wetland Training Webinar Series

Target Audience

- **Level 1&2 NRCS Conservation Planners in field offices**
- **State and tribal wetland program staff**
- **Soil and Water Conservation District staff**
- Those working with NRCS Planners
- Staff from other agencies working on these issues (e.g. Forest Service, Bureau of Land Management)
- NRCS non-planners who can use this knowledge/skill-building in their work.



This webinar series...

Works to **help participants build general knowledge about wetlands**, wetland restoration options and considerations.

Ties in with the NRCS nine-step planning process, focusing on Phase I collection and analysis steps: identify problems, determine objectives, inventory resources and analyze resource data.

Has been designed so that each webinar can be viewed as a stand-alone training module, but they are **best viewed sequentially**.

ASWM-NRCS Wetland Training Webinar Series



- **Webinar 1: Introduction to Wetlands (June 22, 2018)**
- **Webinar 2: Wetlands in a Watershed/at the Landscape Scale (July 13, 2018)**
- **Webinar 3: Wetland Ecology for Planners: How a Wetland Should Function (November 14, 2018)**
- **Webinar 4: Wetland Ecology for Planners: Examples of Variation Across the United States (December 14, 2018)**
- **Webinar 5: Dealing with Reality: How to Work with Wetlands in Altered Landscapes (January 16, 2019)**
- **Webinar 6: Dealing with Changing Weather Patterns in Restoration Planning (May 6, 2019)**
- **Webinar 7: Identifying Resource Concerns and Determining Landowner Objectives**
- **Webinar 8: How to Talk about Wetlands with Landowners**
- **Webinar 9: What are Wetland Restoration Choices? Matching Objectives to Programs and Getting Additional Help**

Webinar Agenda



Photo Credit: USFWS

Welcome & Introductions

(10 minutes)

Presentations

(90 minutes)

- **Weather, Climate and their Influence on Wetlands Over Time**
- **Addressing Regional/Landscape Complexity and Issues**
- **Using Tools to Integrate Climate Considerations into Land Management**

Q&A

(30 minutes)

Today's Presenters



Susan Galatowitsch
University of
Minnesota



Ryan O'Connor
Wisconsin DNR



Danielle Shannon
USDA Climate Hubs,
Northern Institute of Applied
Climate Science

Webinar Moderator

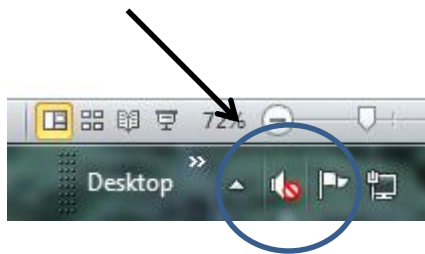


Brenda Zollitsch

Association of State Wetland Managers

Webinar Tech Check-in

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



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


Tip: Close out other non-essential programs on your desktop

A screenshot of a webinar interface. The 'Questions' panel is highlighted with a blue circle and a blue arrow points to the 'Send to All' button. Below it is a 'Chat' window with a text input field labeled '[Type message here]'. The interface includes a dashboard with various controls: Dashboard, Attendees: 1 out of 201, Polls (0/0), and Questions. The Questions panel has a 'Show Answered Questions' checkbox and a table with columns for 'X', 'Question', and 'Asker'.

X	Question	Asker

How to Access Information about ASWM Webinars

Association of State Wetland Managers - Protecting the Nation's Wetlands.




ASWM Upcoming Webinars

- [ASWM-NRCS Wetland Training Webinar 6: Dealing with Changing Weather Patterns in Wetland Restoration Planning - 5/6/19](#)
- [Members' Wetland Webinar: Healthy Wetlands, Healthy Watersheds: Helping States and Tribes Develop Watershed-level Wetland Projects and Integrated Programs - 5/8/19](#)
- [Compensatory Mitigation Webinar: An Ecological Framework for Reviewing Compensatory Mitigation: From Conceptual to Final Design - 5/16/19](#)

Home ASWM I Am... Webinars & Trainings Publications Science Wetland Programs Law & Policy Jobs


Search ASWM




FREE
Sign up for
Wetland Breaking News

Comment Period Deadline June 10th for CWA Section 401 Guidelines/Rulemaking

On Wednesday, April 10th, the White House issued an Executive Order (EO) "[Promoting Energy Infrastructure and Economic Growth](#)" that aims to streamline Federal processes surrounding energy infrastructure development. The EO directs the EPA to consult with States, Tribes, and relevant executive departments and agencies in reviewing Section 401 of the Clean Water Act and EPA's "related regulations and guidance." Specifically, the EO directs the agencies to examine the "interim guidance", "Clean Water Act Section 401 Water Quality Certification: A Water Quality Protection Tool for States and Tribes," – otherwise known to most of us as "[The 401 Handbook](#)." The EPA is also directed to issue new guidance within 60 days of the EO to States and authorized Tribes to supersede the Section 401 Handbook. The EPA is accepting pre-proposal recommendations until June 10th in an administrative docket (EPA-HQ-OW-2018-0855) that you may access by [clicking here](#).



JOIN ASWM



Sign up to receive
Information on
Upcoming
ASWM Webinars

ASWM RECENT

Member's Login

Celebrate Earth Day's 49th Anniversary All Month

Main Menu

- [Join/Renew](#)
- [Contact Us](#)
- [Wetland Breaking News - Current Issue](#)
- [Webinars](#)
- [ASWM Publications](#)
- [Wetlands One-Stop Mapping](#)
- [Donate](#)
- [Volunteer](#)

Member's Login

Celebrate Earth Day's 49th Anniversary All Month

ASWM
RECENT

ASWM Webinar Series



Members' Wetland Webinar Series



For Members of ASWM Only

List of Past Members' Webinars

Future Webinars

Past Webinars (Log In Required)



Hot Topics Webinar Series



List of Past Hot Topics Webinars

Future Webinars

Past Webinars

Compensatory Mitigation Webinar Series



Future Webinars

Past Webinars

ASWM-NRCS Wetland Training Webinar Series



Future Webinars

Past Webinars

ASWM Energy Project Webinar Series



Future Webinars

Past Webinars

Invasive Species Webinars



List of Past Invasive Species

Future Webinars

Past Webinars

Natural Floodplain Functions Alliance Webinar



List of Past NFFA Webinars

Future Webinars

Past Webinars

Wetland Mapping Consortium Webinar (WMC)



List of Past WMC Webinars

Future Webinars

Past Webinars

Clean Water Act Webinars



List of Past CWA Webinars

Future Webinars

Past Webinars

Improving Wetland Restoration Success Project



List of Past Restoration Webinars

Past Webinars



<https://www.aswm.org/join-aswm>

Main Menu

- [Join/Renew](#)
- [Contact Us](#)
- [News](#)
- [Webinars](#)
- [ASWM Publications](#)
- [Wetlands One-Stop Mapping](#)
- [Donate](#)
- [Volunteer](#)

ASWM BENEFITS OF MEMBERSHIP

- Free Participation in our Member's Only Wetland Webinar Series
- Exclusive access to Member's Webinar recordings
- Free Certificates of Participation for all ASWM webinars*
- Free Subscription to the Association's bi-monthly membership newsletter, Wetland News
- Free Subscription to the Association's weekly news bulletin, Insider's Edition
- Reduced Rates for Participation in ASWM Workshops and Training Sessions
- Opportunities for Involvement in ASWM Committees
- Voting rights in elections of the Board of Directors and all issues presented to members to vote
- Access to a Robust Online Collection of Wetland References
- Access to a National Network of Wetland Professionals
- A Sense of Pride Knowing That You Have Directly Supported Active Wetland Conservation Efforts Nationwide
- Corporate group memberships (11-20+ people) also include logo placement on ASWM's website homepage with a live link
- For a detailed description of benefits, [click here](#).

*Non-members pay a \$25.00 administrative fee for each requested Certificate of Participation.

Certificates of Participation

Who can get Certificates of Participation?

- You must be a participant during the entire **live** webinar presentation.
- You must have registered under your own name or if part of a group, verify your participation.
- **You are responsible for sending the ASWM certificate to your accrediting organization.**
- A link to a page with instructions will be sent to everyone who registered in an e-mail one hour after the webinar ends. **Non-members are required to pay \$25 per certificate.**

Using *ClassMarker* to Download your Certificate of Participation

Use the link you are sent to access today's webinar certificate page on the **ClassMarker site.**

You will need to **create a unique username and password for each certificate.**

This will take you to the "test" where you will **certify your participation.** If you certify your participation, click "yes."

You will be prompted to download your certificate. If you cannot download, go back into *ClassMarker* using your password to print. *Do not pay twice to download.*

For assistance , please contact **Laura Burchill** laura@aswm.org or (207) 892-3399.

A scenic landscape featuring a calm pond in the middle ground, surrounded by tall, golden-brown grasses in the foreground. In the background, a dense forest of trees with vibrant autumn foliage in shades of orange, yellow, and red stretches across the horizon under a clear, light blue sky. A small, dark evergreen tree stands prominently on the left side of the pond.

Handing the Controls Over to Our Presenter

Questions/Discussion



Thank you!

