

Stream Identification, Delineation and Mitigation Workgroup

Learning to “SWVM” **(Stream and Wetland Valuation Metric)**

Hosted by the Association of State Wetland Managers

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 or e-mail her at

laura@aswm.org

during the webinar.

Presenters

Danny Bennett, West Virginia
Department of Natural
Resources



Brenda Zollitsch, Association
of State Wetland Managers



Today's Moderator



Jeanne Christie,

Association of
State Wetland
Managers

Agenda (60 minutes)

1. Welcome and Introductions (5 minutes)
2. Interview Findings: A growing Number of Tools to Assist with Stream Work (10 minutes)
3. Learning to SVWM, (25 minutes)
4. Question and Answer (15 minutes)
5. Wrap-up (5 minutes)

Audio

After joining the webinar, open the Audio panel on the right hand side of your screen.



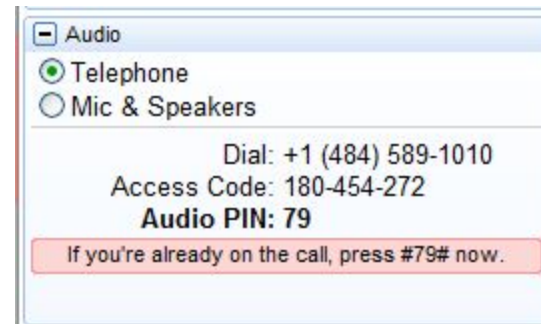
VoIP Users

Select **Mic & Speakers**. You must have speakers and a microphone to communicate.

Audio

Telephone Users

Select **Telephone** in the Audio pane. You will see the call-in number, an access code and audio PIN that will allow us to unmute your line if you wish to ask a question during the webinar.



When using the **telephone**, please mute both the speakers and microphone on your computer, as they may cause an echo.

Webinar Recordings

The recorded webcasts and PowerPoints for the July 2012 through November 2013 are available.

The screenshot displays the ASWM website interface. At the top, the header reads "Association of State Wetland Managers - Protecting the Nation's Wetlands." Below this is a banner image of a wetland with a logo on the left that says "ASSOCIATION OF STATE WETLAND MANAGERS" and "ASWM". To the right of the banner is a "What's New:" section with a list of recent news items:

- Less Than Half of Americans Make Anthropogenic Connection
- Clean Water Act 2.0: Rights of Waterways
- Virginia Coastal Partners Workshop: Save the Date
- FGCU appoints director for new Everglades Wetland Research Park
- LA: Expanded Louisiana Coastal Zone Boundary Approved
- Wetland Breaking News - Current Issue

Below the banner is a green navigation bar with the following links: Home, ASWM, I Am..., Wetlands, Science, Wetland Programs, Watersheds, Law, News, Blog. A search bar is located to the right of the navigation bar.

A dark green navigation menu is open over the "ASWM" link, listing the following options:

- About ASWM
- ASWM Projects
- Doing Business With ASWM
- Support Wetlandkeepers
- Volunteer
- Contact ASWM
- Publications
- ASWM Members (Login Req.)
- Newsletter
- Insider's Edition
- ASWM Webinars/Calls

The main content area features a "Conference Schedule" section with a paragraph of text: "State Wetland Managers holds webinars on... of which relate to a specific project and work... ASWM holds webinars as part of its members'... topics of interest to members. Please click on... name below for more details about individual... es, if you have any questions about... binar, please contact Laura at... if you are a member, and you missed a... part of the members' webinar series, please... post the recordings of the webinars going..."



Below the text is a "Series" section with links for "Function Alliance (NFFA)", "Future", "Past", "Consortium (WMC)", and "on Permitting Project".

At the bottom of the main content area, there are two project links: "Wetland Program Plans Project" and "Stream Identification/Delineation/Mitigation Project".

On the right side of the page, there is a thumbnail image of a presentation slide titled "U.S. Army Corps of Engineers" with a red dragon graphic. Below the thumbnail is the caption: "A presentation given during a webinar."

Webinar Schedule/Recordings

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



What's New:

- Flood Risk in the Courts, ASFM
- Webinar: Water Adaptation: A Climate of Opportunity
- EPA Announces Interagency Effort to Protect Coral Reefs
- 2013 EPA Community Involvement Training Conference
- Nature Geoscience & Nature Climate Change: Water in a Warming World
- Wetland Breaking News - Current Issue

[Home](#) [ASWM](#) [I Am...](#) [Wetlands](#) [Science](#) [Wetland Programs](#) [Watersheds](#) [Law](#) [News](#) [Blog](#)

[Home](#) > [ASWM](#) > [ASWM Webinars/Calls](#)

Main Menu

- [Join/Renew](#)
- [Donate](#)
- [Wetlandkeepers Initiative](#)
- [Volunteer](#)
- [Sign Up for WBN](#)
- [Sponsor WBN](#)
- [Latest News](#)
- [Compleat Wetlander](#)
- [Note from Board Chair](#)
- [Welcome Letter](#)
- [Message from the Founder](#)
- [Contact Us](#)

ASWM Menu

- [About ASWM](#)
- [ASWM Board \(Login Req.\)](#)
- [ASWM Projects](#)
- [Do Business With Us](#)
- [Publications](#)
- [ASWM Webinars/Calls](#)

ASWM Webinars/Conference Schedule

The Association of State Wetland Managers holds webinars on various topics, most of which relate to a specific project and work group. In addition, ASWM holds webinars as part of its members' webinar series on topics of interest to members. Please click on the webinar group name below for more details about individual webinars. In all cases, if you have any questions about registering for a webinar, please contact Laura at laura@aswm.org. If you are a member, and you missed a webinar that was part of the members' webinar series, please contact us. We will post the recordings of the webinars going ahead.

[Members' Wetland Webinar Series](#) [Future](#) [Past](#)

[Natural Floodplain Function Alliance \(NFFA\)](#) [Future](#) [Past](#)

[Wetland Mapping Consortium \(WMC\)](#) [Future](#) [Past](#)

[Wetland Restoration Permitting Project](#)

[Wetland Program Plans Project](#) [Future](#) [Past](#)

[Stream Identification/Delineation/Mitigation Project](#) [Future](#) [Past](#)



A presentation given during a webinar.

Webinar Schedule/Recordings

Recently Recorded ASWM Webinars

The Association of State Wetland Managers hosts and records 3-5 webinars each month. Below are some recent presentations. For more information on future and past webinars, [click here](#).

Special ASWM Webinar: Wetland Link International North America

Moving toward Floodplain Restoration at Scale on the Illinois River and Upper Mississippi Basin: Valuing Ecosystem Services, Demonstrating Flood Reduction, and Policy Implications – Douglas Blodgett, Director of River Conservation, The Nature Conservancy in Illinois and Charles E. Theiling, Large River Ecologist, U.S. Army Corps of Engineers Rock Island District

NWI+ Data What It Is and How It's Being Used – Ralph Tiner, Regional NWI Coordinator, Northeast Region, U.S. Fish and Wildlife Service

Reforming Federal Support for Risky Development – David Conrad, Consultant, Water Resources Policy, and Edward A. Thomas, Esq. President, Natural Hazard Mitigation Association

Future Schedule



Thursday, February 20, 2014, 2:00 p.m. eastern

Stream Creation and Draft Report Review/Comment

March 4-6, 2014

ASWM Annual Meeting (available via broadcast) will include stream topics

Thursday, April 17, 2014, 2:00 p.m. eastern

Special Topics: Altered/Degraded Streams and Ditches; Impoundments and Dams

Next Steps

- This is part of a series of webinars for the Stream Identification, Delineation and Mitigation Workgroup
- This webinar will be recorded and will be posted to the workgroup web page following post processing (@ 3 weeks)
- If you would like to identify future topics you would like, please contact Jeanne Christie at jeanne.christie@aswm.org



Agenda (60 minutes)

1. Welcome and Introductions (5 minutes)
2. Interview Findings: A growing Number of Tools to Assist with Stream Work (10 minutes)
3. Learning to SVWM, (25 minutes)
4. Question and Answer (15 minutes)
5. Wrap-up (5 minutes)

Interview Findings: A Growing Number of Tools to Assist with Stream Work



Jeanne Christie photo

- **Stream Assessment Tools**
- **Mitigation Guidelines**
 - Ratios
 - Functions
 - Spreadsheets
- **Measures of Success**
- **Role of Functional Assessment**
- **Ecological Uplift**

Functional Measures

Opportunities

- Measure ecological uplift
- Redefining success
- Science-based measures
- Building on existing tools and knowledge

Creating tool that is:

- Scientifically sound
- Takes into account all necessary factors
- Flexible
- Transparent
- Incentivizes restoration/mitigation

Challenges

- Expensive
- Time consuming
- What is functional uplift?
- What functions to measure?
- How much uplift is enough?
- Concerns about linear nature of streams
- Lack of control over upstream influences

Examples of States Building Function-based Tools for Streams

(from Stream Interviews)

Using FA

- Florida
- Nebraska
- Oregon
- Pennsylvania
- South Dakota
- Texas
- **West Virginia**



Moving to FA

- Alabama
- Colorado
- North Carolina
- Oregon

Changing over to Danny's Computer...



Questions/Discussion



Thank You for Participating!

