

# Wetland Mapping Consortium

**The Evolution of NWI and How It Has  
Changed: a Comparison of Old and New  
Methodologies, Strengths and  
Weaknesses**

# 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 during the webinar.

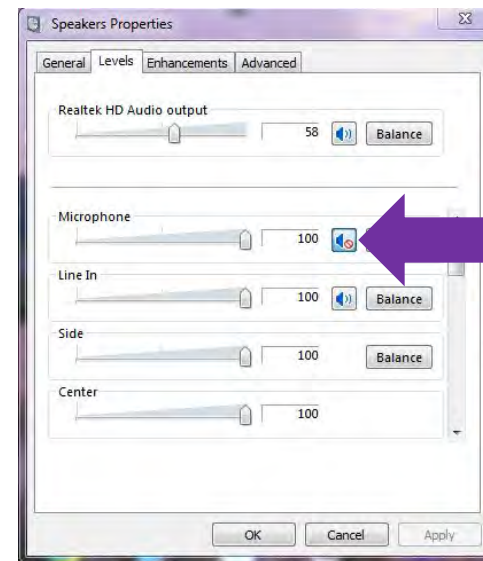
# Audio

## Telephone Users

Click on the speaker icon on the bottom right of your screen and click on the speaker to mute or slide the bar down.



Click on Speakers, then click on the icon next to microphone to mute.



# Agenda



- **Welcome and Introductions (5 minutes)**
- **WMC Webinar Schedule/Recordings (5 minutes)**
- **Saving NWI – Update (5 minutes)**
- **The Evolution of NWI and How It Has Changed: a Comparison of Old and New Methodologies, Strengths and Weaknesses (45 minutes)**
- **Questions and Discussion (20 minutes)**
- **Wrap up (5 minutes)**

# ASWM Webinar Series Moderator



Marla Stelk,  
Policy Analyst

Association of  
State Wetland  
Managers

# Presenter

Andy Robertson

GeoSpatial Services  
Project Manager



St. Mary's  
University





# Webinar Schedule/Recordings

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



**What's New:**

- 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

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ASWM Webinars/Calls


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Conference Schedule

State Wetland Managers holds webinars on topics 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 webinars, if you have any questions about a webinar, please contact Laura at [email address]. If you are a member, and you missed a part of the members' webinar series, please click on the recordings of the webinars going on.



A presentation given during a webinar.

Series



Function Alliance (NFFA) [Future](#) [Past](#)

Wetland Program Plans Project

Stream Identification/Delineation/Mitigation Project

# Webinar Schedule/Recordings

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



**What's New:**

- White House Enviro Council Chairwoman Sutley Stepping Down
- Enbridge Could Be Forced to Boost Pipeline Safety in MI
- Bay water quality still falling short
- Wetland Aquaculture Potential in Spain Highlighted
- Ohio ERAC issues wetlands/stream impact permit decision
- Wetland Breaking News - Current Issue

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**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](mailto: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.



*A presentation given during a webinar.*

**Special ASWM Webinar - Koontz v. St. Johns River Water Management District: What Happened and Where Do We Go From Here** – Wednesday, July 17, 2013 – 3:00 p.m. ET - To view Webinar and PowerPoint Presentations, [click here](#).

**Members' Wetland Webinar Series**

[Future](#) [Past: Members Only](#) [Past: Nonmembers](#)

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

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

**Wetland Restoration Permitting Project**

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

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



# WMC Webinars Posted

**From November 20, 2013**

Ralph Tiner's "NWI+ Data: What It Is & How It's Being Used"



Part 1: Introduction  
Ralph Tiner, Regional NWI  
Coordinator, Northeast Region,  
U.S. Fish and Wildlife Service



Part 2: Ralph Tiner, Regional NWI  
Coordinator, Northeast Region,  
U.S. Fish and Wildlife Service



Part 3: Ralph Tiner, Regional NWI  
Coordinator, Northeast Region,  
U.S. Fish and Wildlife Service



Part 4: Questions

**From December 18, 2013**

Karen Newlon's "Creating a Value-Added Wetlands Layer: Enhancing the Utility of Wetland Mapping in Montana"



Part 1: Introduction  
Presenter: Karen Newlon,  
Montana Natural Heritage  
Program



Part 2: Karen Newlon,  
Montana Natural Heritage  
Program



Part 3: Karen Newlon,  
Montana Natural Heritage  
Program  
Questions/Answers

# Future Schedule - 2014

- **February 19:** Mapping forested wetland inundation with the Landsat historic record and mapping the relationship between inundation and stream flow (Megan Lang & In-Young Yo)
- **March:** ASWM Winter Meeting Workshop, March 4-6, 2014  
(Mapping sessions available for remote participants)
- **April 16:** NWI Update in Minnesota: How a state-wide update was possible and new techniques for implementation (Robb McCloud & Steve Kloiber)
- **May 21:** TBD
- **June 18:** Presenting a new method to correct LIDAR intensity for evergreen vegetation and provide highly accurate maps of inundation in forested wetlands (Megan Lang)
- **July 16:** Using SURRGO data to identify potentially restorable soils AND a presentation of a case study on use of potentially restorable wetlands data in Wisconsin (John Galbraith & Andy Robertson)

# More Potential 2014 Webinar Topics

- How to use time series Landsat data to find disturbance areas
- The use of elevation surface derivatives for mapping wetlands
- Processing the LIDAR data so that it can be interpreted
- How to use time series Landsat data to detect changes in vegetation: wetlands vs. nonwetlands
- How to use publicly available data (specifically Google Earth) in photo interpretation of wetlands
- Using GeoNet for stream mapping
- Mapping wetlands in the Great Lakes: using best available data within a normalization framework and a closer look at Canadian wetland mapping approaches

OTHER IDEAS? LET US KNOW! 😊

# Saving NWI: Actions Underway

- Shell letter sent out to all WMC members
  - Mailing/Contact list included
  - Short summary of uses with examples and user groups included
  - A few examples of State Wetland Mapping Summaries included (you can print your own of interest from ASWM One-Stop Mapping website)
- Asking WMC members to use shell letter or create own letter of support and to forward to other interested parties
- Please cc Wetland Regional Coordinators when sending out letters
- Joint letter to be developed – let us know if interested



# Andy Robertson

It will take us a few moments to make the switch....



# Discussion



# Thank You for Participating!

