



ASWM RECORDED WEBINARS



Wetland Mapping Consortium Webinars

2021

January 19, 2021 [View recording here](#)

Mapping Hydrologic Connectivity and Wetlands with LiDAR: Processes and Techniques from Minnesota and Wisconsin – Andy Robertson, Saint Mary's University of Minnesota; Mark Biddle, Delaware Department of Natural Resources; and Sara Owen, University of Montana

2020

December 8, 2020 [View recording here](#)

Mapping a Path to Wetland Functions: Leveraging NHD and LLWW to Enhance the National Wetland Inventory – Andy Robertson, Saint Mary's University of Minnesota; Mark Biddle, Delaware Department of Natural Resources; and Sara Owen, University of Montana

October 7, 2020 [View recording here](#)

Automating the Detection of Disturbances to Aquatic Resources – Melanie Vanderhoof, U.S. Geological Survey, Geoscience and Environmental Change Science Center

February 12, 2020 [View recording here](#)

NWI Unfinished Business: The Current State of Wetland Mapping in Alaska – Sydney Thielke, Regional Wetlands Coordinator, U.S. Fish and Wildlife Service, Alaska Region and Andy Robertson, Director, GeoSpatial Services, Saint Mary's University of Minnesota

2019

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NWI Data in Support of Conservation Efforts and Habitat Modeling – Rusty Griffin, U.S. Fish and Wildlife Service

November 13, 2019 [View recording here](#)

Wetland Inventory of Canada Using Optical and RADAR EO Data and Google Earth Cloud Computing – Bahram Salehi, PhD, PEng. Assistant Professor of Remote Sensing Engineering, State U of New York, College of Environmental Science and Forestry

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National Land Cover Database 2016, General Overview and Applications to Wetland Assessment – Dr. Collin Homer, U.S. Geological Survey and Dr. George Xian, U.S. Geological Survey

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National Riparian Areas Base Map: Development & Applications – Sinan Abood, U.S. Forest Service; Daniel Rosenbaum, U.S. Environmental Protection Agency; and Rebecca Lilja, U.S. Forest Service

September 4, 2019 [View recording here](#)

Lessons Learned from the Minnesota NWI Update – Steve Kloiber, Minnesota Department of Natural Resources; Robb Macleod, Ducks Unlimited; and Keven Stark, Saint Mary's University of Minnesota

August 21, 2019 [View recording here](#)

Mapping Wetland Inundation Dynamics and Wetland Change using Google Earth Engine – Qiusheng Wu, PhD, University of Tennessee and Melanie Vanderhoof, PhD, U.S. Geological Survey

June 20, 2019 [View recording here](#)

Mapping Thirty Years of Wetland Surface Water Dynamics Using Landsat Satellite Imagery: Implications for Climate Change and Species Management – Meghan Halabisky, Ph.D., Lead Scientist with Conservation Science Partners and Amanda Kissel, Ph.D., Lead Scientist with Conservation Science Partners

2017

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Mapping Innovations at the Michigan DEQ: New approaches, tools and technologies – Chad Fizzell, Michigan Department of Environmental Quality; and Jeremy Jones, Michigan Department of Environmental Quality

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Developing a Spatially Enabled Wetland Program Website to Communicate the Importance of Tribal Land ManagementData – Andy Robertson, Executive Director, GeoSpatial Services, Saint Mary's University of Minnesota

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Mapping Wetland Inundation Dynamics Using Multi-Source Satellite Data – Ben DeVries, Post-Doctoral Research Associate, Department of Geographical Sciences, University of Maryland

April 12, 2017 [View recording here](#)

Moving Wetland Restoration into Recommendations into Action: New Mapping/Monitoring Program Tends

- **National Wetlands Inventory Wetland Mapping Targeting Tool and Data Use Trends** – Megan Lang, U.S. Fish and Wildlife Service
- **A Collaborative Approach to Establishing Wetland Management Priorities in Northcentral New Mexico** – Andy Robertson, Saint Mary's University
- **Wetland Functional Assessment in West Virginia** – Elizabeth Byers, West Virginia Department of Environmental Protection

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Recent Updates to the EnviroAtlas Tool: Mapping Ecosystem Goods and Services – Anne Neale, EnviroAtlas Project Lead, U.S. Environmental Protection Agency

2016

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Maps of Potential Wetland Extent for Selected Streams in Indiana – Kathleen Fowler, U.S. Geological Survey

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Mapping Coastal Storm Surge Flooding and Marsh Structure – Elijah Ramsey III, U.S. Geological Survey and Amina Rangoonwala, U.S. Geological Survey

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Uses of the Soil and Water Assessment Tool (SWAT) – Grey Evenson, PhD, Post-Doctoral Fellow, Virginia Tech and Visiting Scientist, U.S. EPA; Sangchul Lee, PhD Candidate, University of Maryland; Greg McCarty, PhD, Research Soil Scientist, USD

May 24, 2016 [View recording here](#)

Defining Wetland Gems in North Central New Mexico – Andy Robertson, Saint Mary's University of Minnesota and Kevin Benck - Saint Mary's University of Minnesota

March 30, 2016 [View recording here](#)

Wetland Functional Assessments for Watershed Planning & Decision Support – Andy Robertson, Saint Mary's University of Minnesota

March 30, 2016 [View recording here](#)

Working towards an Automated Wetlands Mapping Process: Successes, Failures, and Potential for the Future – Robb McLeod, Ducks Unlimited

February 17, 2016 [View recording here](#)

Updated Data Collection Procedures and Requirements for Meeting FGDC Wetland Mapping Standards – Rusty Griffin, U.S. Fish and Wildlife Service's, National Standards and Support Team

January 28, 2016 [View recording here](#)

Changes in the FGDC Wetland Classification Standard – Cowardin 2.0 – Rusty Griffin, U.S. Fish and Wildlife Service's, National Standards and Support Team

2015

December 9, 2015 [View recording here](#)

NWI Standards & Dataset: A Cornerstone for Decision-Support – Mitch Bergeson, U.S. Fish & Wildlife Service; Andy Robertson, Saint Mary's University; and Megan Lang, University of Maryland

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From Fen to Floodplain: Steps in a Successful Landscape Level Wetland Inventory in Northeastern New Mexico – Andy Robertson, Saint Mary's University and Maryann McGraw, New Mexico Environment Department

September 16, 2015 [View recording here](#)

Part 2 – The Florida Wetlands Integrity Dataset: Analysis of nonrenewable energy data and construction of graph-theoretic networks to quantify landscape integrity – John Humphreys and Amir Mahjoor, Florida Department of Environmental Protection

July 15, 2015 [View recording here](#)

Part 1 - The Florida Wetlands Integrity Dataset: Using soils data, topographic indices, and Bayesian probability to identify wetlands – John Humphreys and Amir Mahjoor, Florida Department of Environmental Protection

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Minnesota's "Restoration Wetland Prioritization Tool" – Mark Gernes, Minnesota Pollution Control Agency

March 25, 2015 [View recording here](#)

WMC Workshop: "Accessing, Analyzing and Communicating Digital Wetland Data to Stakeholders for Decision-making"

- **Wetlands Spatial Data 101: How to Access Data on NWI Mapper and Other Resources** – Mitch Bergeson, USFWS, National Standards Support Team

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Marsh Analysis and Planning Tool Incorporating Tides and Elevations (MAPTITE): A Geospatial Tool for Estuary Restoration – Lijuan Huang and Chris Paternostro, NOAA

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Mapping With Ecological Site Descriptors – Richard A. Weber, P.E., Wetland Hydraulic Engineer, NRCS

2014

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State Offsite Methods for wetland determinations in the Prairie Pothole Region of IA, MN, ND and SD – Jason Outlaw, USDA Natural Resources Conservation Service

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Variable Width Riparian Areas Mapping: a Robust GIS Approach – Sinan A. Abood, USDA Forest Service

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Mapping Standards & Requirements – Rusty Griffin, U.S. Fish & Wildlife Service

September 17, 2014 [View recording here](#)

- **Part 1: A Help Guide for Using gSSURGO to Find Potential Wetland Soil Landscapes** – John Galbraith, Virginia Tech
- **Part 2: Applications of SSURGO soil attributes to potentially restorable wetlands** – Kevin Stark, Saint Mary's University

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Surface Waters and Wetlands Inventory: A More Comprehensive Dataset of the Nation's Water Resources – Mitch Bergeson, GIS Specialist, National Standards and Support Team, U.S. Fish and Wildlife Service

June 18, 2014 [View recording here](#)

Wetland Landscapes – Techniques for Spatial Definition and Ecological Assessment Using SSURGO, HGM, and GIS tools – Richard A. Weber, P.E., Wetland Hydraulic Engineer, Wetland Team, CNTSC

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Using Land Cover Change Data to Better Understand Wetland Trends – Nate Herold, Physical Scientist, NOAA Coastal Services Center

April 16, 2014 [View recording here](#)

- **The Minnesota NWI Update: A Case Study of Quality Assurance** – Steve Kloiber, P.E., Ph.D., Wetland Monitoring Coordinator, Minnesota Dept. of Natural Resources
- **The Minnesota NWI Update: Integrating Semi-automated Mapping Techniques into Production Level Wetland Mapping** – Robb Macleod, National GIS Coordinator, Ducks Unlimited

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Mapping Forested Wetland Inundation with the Landsat historic Record – Megan Lang, Senior Research Scientist with Science Systems and Applications, Inc. and Coordinator of the U.S. Department of Agriculture Mid-Atlantic Wetland Conservation Effects Assessment Project

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The Evolution of NWI and How It Has Changed: A Comparison of Old and New Methodologies, Strengths and Weaknesses – Andy Robertson, Saint Mary's University of Minnesota

2013

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Creating a Value-Added Wetlands Layer: Enhancing the Utility of Wetland Mapping in Montana – Karen Newlon, Montana Natural Heritage Program

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

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- **Mapping "Natural" Floodplains** – Kevin Coulton, cbec, eco engineering, inc.
- **Soil Survey Information for Floodplain Mapping** – Dave Hoovers and Sharon Waltman, Natural Resources Conservations Service

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Iowa Wetland Assessment and Restorable Wetland Inventory – Chris Ensminger, Iowa Department of Natural Resources

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- **How has Wetland Training been Presented, What is Available, and How Might Innovative Technologies be used in the Future to Present Information to the Public and to Professionals** – Dr. John M. Galbraith, Virginia Tech
- **Documenting the Uses and Applications of the National Wetlands Inventory** – Jeanne Christie, Association of State Wetland Managers

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National SURRGO Wetland Soils Project – John Galbraith, Virginia Tech

2012

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Wetlands Assessment and Level I Mapping Techniques – Andy Robertson, St. Mary's University of Minnesota

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Wetlands Data in the National Atlas – Annie Neale, U.S. Environmental Protection Agency

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- **Scalable Mapping as a Tool to Complete the Wetlands Data Layer** – Tom Dahl, Chief, National Standards and Support Team, National Wetlands Inventory, U.S. Fish and Wildlife Service
- **Scalable NWI Mapping Initiatives in Alaska** – Julie Michaelson, U.S. Fish and Wildlife Service

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Sea Level Affecting Marshes Model (SLAMM) and SLAMM View

- **Origins of SLAMM** – Bill Wilen, National Wildlife Service
- **Sea Level Affecting Marshes Model (SLAMM)** – Jonathan Clough, Lead Modeler, Warren Pinnacle Consulting
- **SLAMM-View** – Jeff Ehman, Senior Analyst, Image Matters

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NWI Wetland Mapping Projects

- **Saint Croix Headwaters Wetland Mapping Project** – Chad Richtman, Saint Mary's University of Minnesota
- **Development of CARI (California Aquatic Resources Inventory)** – Kristen Cayce, San Francisco Estuary Institute