



## 2021

April 21, 2021 [View recording here](#)

**The Expanding Role of Automated Feature Extraction in Wetlands Mapping** – Sean MacFaden, University of Vermont Spatial Analysis Laboratory

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](#)

– Andy Robertson, Saint Mary's **Mapping a Path to Wetland Functions: Leveraging NHD and LLWW to Enhance the National Wetland Inventory** 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

December 3, 2019 [View recording here](#)

**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

October 23, 2019 [View recording here](#)  
**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

October 2, 2019 [View recording here](#)  
**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

December 6, 2017 [View recording here](#)  
**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 Management Data** – Andy Robertson, Executive Director, GeoSpatial Services, Saint Mary's University of Minnesota

July 19, 2017 [View recording here](#)  
**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 Trends**

- **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

July 20, 2016 [View recording here](#)  
**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

October 21, 2015 [View recording here](#)  
**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

May 20, 2015 [View recording here](#)  
**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

February 18, 2015 [View recording here](#)  
**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

December 17, 2014 [View recording here](#)  
**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

October 15, 2014 [View recording here](#)  
**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

August 20, 2014 [View recording here](#)  
**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

May 21, 2014 [View recording here](#)  
**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

January 22, 2014 [View recording here](#)  
**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

December 18, 2013 [View recording here](#)

**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

May 15, 2013 [View recording here](#)

- **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

October 17, 2012 [View recording here](#)

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

August 15, 2012 [View recording here](#)

- **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