

Natural Floodplain Functions Alliance Webinars

2017

July 25, 2017 [View recording here](#)

Integrated Stream and Wetland Restoration: A watershed approach to improved water quality on the landscape– Dr. Curtis Richardson, Duke University Wetland Center

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The Naturally Resilient Communities Project: Siting Guide and Case Studies Mainstreaming of Natural Infrastructure to Address Coastal and Riverine Flooding – Nathan Woiwode, Risk Reduction and Resilience Project Manager, The Nature Conservancy

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The Value of Nature: Practical Applications for Managers – Elizabeth Schuster, Environmental Economist, The Nature Conservancy

2016

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Comprehensive Local Planning and Programs: Charlotte-Mecklenburg's Approach – Tim Trautman, PE, CFM, Charlotte-Mecklenburg Storm Water Services, Engineering & Mitigation Program Manager

October 4, 2016 [View recording here](#)

October Federal Update: The FEMA Proposed Rule for FFRMS and Update on WRDA – Kim Matthews, RTI International; Jason Doll, Moffatt & Nichol; Kristine Cherry, Governors' South Atlantic Alliance (GSAA)

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Funding for Floodplain Restoration: Breaking Down Incentives to Develop Floodplains & Recent FEMA Policy Updates – Zachary Christin, Project Director, Earth Economics

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Living Shorelines: Lessons Learned and New Opportunities – Suzanne Sime, Strategic Programs Manager, Restore America's Estuaries; Bill Sapp, Senior Attorney, Southern Environmental Law Center; Tracy Skrabal, Southeast Regional Manager and Coastal Scientist, North Carolina Coastal Federation; Lee Anne Wilde, Living Shorelines Program Managers, Galveston Bay Foundation

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The Nature Conservancy's Emiquon: Restoring Functional Floodplain for Nature & People – K. Douglas Blodgett, Director of River Conservation, Illinois Chapter of The Nature Conservancy

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The Ecology, Engineering & Economics of Natural Coastal Defenses – Mike Beck, The Nature Conservancy and Adjunct Professor in Ocean Sciences, University of California Santa Cruz

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An Introduction to the Marsh Adaptation Strategy Tool (MAST) – Dr. Samuel Merrill, GEI Consultants, Inc.

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Stream-Wetland Restoration – Will Harmon, Stream Mechanics and Matt Daniels, River Design Group, Inc.

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Managing Water Where It Falls: Green Infrastructure in Milwaukee, Wisconsin – Kevin L. Shafer, Milwaukee Metropolitan Sewerage District (MMSD), Executive Director

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Square Peg, Round Hole –Maximizing Conservation in a Flood-Insurance Construct – Bonnie Shorin, NOAA

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EPA Adaptation Workbook: Lessons Learned in San Juan Bay, Puerto Rico – Michael Craghan, Climate Ready Estuaries Program, U.S. EPA

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Rooftops to Rivers: Lessons Learned from Tulsa, Oklahoma’s Successful Floodplain Management Program – Ronald D. Flanagan, CFM & Principal Planner, R.D. Flanagan & Associates, LLC

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The Impact of Wetland Drainage on the Hydrology of a Northern Prairie Watershed – Dr. John Pomeroy, Centre for Hydrology, University of Saskatchewan

September 8, 2014 [View recording here](#)

ASCE Report on How to Address our Systemic Flood Problems – David Fowler, Senior Project Manager, Milwaukee Metropolitan Sewerage District

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Preventing Flood Disasters from Becoming Disastrous – Brian Varrella, Chair, Colorado Association of Stormwater and Floodplain Managers

May 12, 2014 [View recording here](#)

Restoration of the Mississippi Delta in a Post-BP Oil Spill Environment – Estelle Robichaux, Restoration Project Analyst, Mississippi River Delta Restoration Team and Whit Remer, Senior Policy Analyst & Attorney, Mississippi River Delta Restoration Team

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Beyond the 100-year floodplain: Experiences in European floodplains under the Flood Directive – G. Mathias Kondolf, Professor of Environmental Planning, University of California, Berkeley and Anna Serra-Llobet, Visiting Scholar Institute of Urban and Regional Development, University of California, Berkeley

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- **Part 1: New Developments in River Valley Floodplain Mapping: A Survey of FLDPLN Model Applications** – Jude Kastens, Kansas Applied Remote Sensing Program, Kansas Biological Survey
- **Part 2: TWIP and FLDPLN Applications for Watershed Restoration Activities** – Jeff Neel, Kansas Alliance for Wetlands and Streams

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

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

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Informing Flood Mitigation with Ecosystem Service Valuation: An Introduction to the Ecosystem Valuation Toolkit – Zac Christin, Earth Economics

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Mapping Floodplains in Iowa Part II – Kris Johnson and Jan Slaats, The Nature Conservancy

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Iowa State Floodplain Mapping Program – Nathan Young, Iowa Flood Center

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Coastal Adaptation to Sea Level Rise Tool (COAST) – Sam Merrill, New England Environmental Finance Center

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Thinking Outside the Box Culvert Understanding Flood Management and Natural Floodplain Mitigation – David C. Fowler CFM

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- **Why Wetland Managers Should Care about Floodplains** – Lynda Saul, Montana Department of Environmental Quality
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- **Summary and Overview of the reauthorized National Flood Insurance Program** – Chad Berginnis, Executive Director, Association of State Floodplain Managers

Wetland Mapping Consortium Webinars

2017

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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

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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

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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

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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

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

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

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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

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

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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

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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

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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

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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

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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

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- **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

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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

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- **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

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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

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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

Improving Wetland Restoration Success Project

2016

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Long-term Management & Legal Protections for Voluntary Restoration – Ellen Fred, Esq., Conservation Partners; Ted LaGrange, Nebraska Game & Parks Commission; Jeff Williams, USDA Natural Resources Conservation Service; Andrew James, USDA Natural Resources Conservation Service

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Not Lost in Translation: How to Select the Right Wetland Restoration Team – Lisa Cowan, PLA, ASLA, Principal, Studioverde; John Bourgeois, Executive Project Manager, South Bay Salt Pond Restoration Project; and Matt Schweisberg, Principal, Wetland Strategies and Solutions, LLC

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Bottomland Hardwood Restoration – John A. Stanturf, PhD, U.S. Forest Service; John W. Groninger, PhD Southern Illinois University

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Gulf Coast Restoration Post-Katrina – Bren Haase, Planning and Research Division, Coastal Protection and Restoration Authority, State of Louisiana; William P. Klein, Jr. Ed.D., U.S. Army Corps of Engineers; John Andrew Nyman, PhD, Professor, School of Renewable Natural Resources, Louisiana State University; Denise J. Feed, PhD, Chief Scientist, The Water Institute of the Gulf

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Establishing Reference Conditions for Performance Standards & Long Term Monitoring Results: Soils, Hydrology and Vegetation – Dr. Robert Brooks, Professor, Pennsylvania State University and Director, Riparia; Dr. W. Lee Daniels, Professor, Virginia Tech; Dr. Eric Stein, Principal Scientist, Southern California Coastal Water Research Project

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Managing Invasive Species in Wetland Restoration Projects: Considerations for Common Reed, Reed Canary Grass, Purple Loosestrife, Nutria and Feral Hogs – Margaret (Marnie) Pepper, Wildlife Biologist and Project Leader, USDA-APHIS-Wildlife Services, Chesapeake Bay Nutria Eradication Project/Nutria Detector Dog Program; Wendy Anderson, Certified Wildlife Biologist and Assistant Program Manager, USDA-APHIS-Wildlife Service, National Feral Swine Damage Management Program; Eric Hazelton, PhD Candidate, Smithsonian Environmental Research Center and the Department of Watershed Sciences & Ecology Center, <http://www.aswm.org/aswm/newsletter> Utah State University; Ben Peterson, Aquatic Noxious Weed Specialist, King County Noxious Weed Control Program, Washington; Craig Annen, Operations Manager and Director of Research, Integrated Restorations, LLC

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Water Rights & Wetland Restoration – Alan J. Leak, P.E., Program Manager, Water Rights and Infrastructure at RESPEC and Julie A. Merritt, Water Resources Specialist/Project Manager, WGM Group

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Evaluating the Ecological Performance of Compensatory Mitigation – Joseph A. Morgan, U.S. Environmental Protection Agency, Wetlands Division; Dr. Eric Stein, Southern California Coastal Water Research Project; and Dr. Siobhan Fennessy, Kenyon College

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Improving Wetland Restoration "Success": What We've Learned So Far – Jeanne Christie, Executive Director and Marla Stelk, Policy Analyst, Association of State Wetland Managers; David Olson, U.S. Army Corps of Engineers; Mary Kentula, U.S. Environmental Protection Agency's, National Health and Environmental Effects Laboratory's, Western Ecology Division and Larry Urban, Montana Department of Transportation

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Novel Ecosystems and Restoration – Joy Zedler, Professor of Botany and Aldo Leopold Chair of Restoration Ecology, University of Wisconsin-Madison; and Marilyn Jordan, Former Senior Conservation Scientist, The Nature Conservancy on Long Island, NY

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Wetland Restoration in Urban and Highly Disturbed Landscapes – Tom Ries, Ecosphere Restoration Institute; Steven I. Apfelbaum, Applied Ecological Services, Inc.; and Alexander J. Felson, Yale University School of Architecture & School of Forestry and Environmental Studies

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Stream-Wetland Restoration – Will Harman, Stream Mechanics and Matt Daniels, River Design Group, Inc.

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Peat Land Restoration – Norman Famous & Marcia Spencer-Famous, Spencer-Famous Environmental Consultants; Richard Weber, NRCS Wetland Team; and Larry Urban, Montana Department of Transportation

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Riverine/Riparian Wetland Restoration – Richard Weber, NRCS Wetland Team, CNTSC and Larry Urban, Montana Department of Transportation

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Prairie Pothole Restoration – Sue Galatowitsch, University of Minnesota and Carter Johnson, South Dakota State University

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Vernal Pool Restoration – How to Restore the Landscape – Mick Micacchion, Midwest Biodiversity Institute; Christina M. Schaefer, Schaefer Ecological Solutions; and Aram J.K. Calhoun, The University of Maine

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Pacific Coast Wetland Restoration – Charles ("Si") Simenstad, University of Washington and John Callaway, University of San Francisco

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Playa and Rainwater Basin Restoration – Rich Weber, NRCS Wetland Team, CNTSC and Ted LaGrange, Nebraska Game & Parks Commission

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Temperate and Tropical/subtropical Seagrass Restoration: challenges for the 21st century – Robin Lewis, Lewis Environmental Services, Inc. & Coastal Resource Group, Inc. and Mark Fonseca, CSA Ocean Sciences

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Atlantic Coast Coastal Marshes and Mangrove Restoration – Robin Lewis, Lewis Environmental Services, Inc. & Coastal Resource Group, Inc.; John Teal, Woods Hole Oceanographic Institution (Scientist Emeritus); Joseph Shisler, ARCADIS; Jim Turek, NOAA Fisheries Restoration Center

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How to Prepare a Good Wetland Restoration Plan – Richard Weber, NRCS Wetland Team, CNTSC; Tom Harcarik, Ohio EPA, Division of Environmental & Financial Assistance; John Teal, Woods Hole Oceanographic Institution (Scientist Emeritus); Lisa Cowan, Professional Landscape Architect, Studioverde; Mick Micacchion, Midwest Biodiversity Institute

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A History of Wetland Drainage: How They Pulled the Plug – Tom Biebighauser, Wetland Restoration and Training

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How Restoration Outcomes are Described, Judged and Explained – Joy Zedler, Aldo Leopold Chair of Restoration Ecology, University of Wisconsin; Robin Lewis, Lewis Environmental Services, Inc. & Coastal Resource Group, Inc.; Richard Weber, NRCS Wetland Team, CNTSC; Bruce Pruitt, USACE Engineer Research & Development Center; Larry Urban, Montana Department of Transportation

Members' Wetland Webinar Series

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Inspiring Lifelong Wetland and Coastal Habitat Stewards through Citizen Science – Dana Pounds, Nature's Academy– Rachel Bouvier, Principal, rbouvier consulting

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The Price of Everything and the Value of Nothing: Is Ecosystem Valuation Worth It? – Rachel Bouvier, Principal, rbouvier consulting

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Improving Wetland and Stream Mitigation Crediting – Michelle Mattson, US Army Corps of Engineers; Eric Stein, Southern California Coastal Water Research Project; Will Harman, Stream Mechanics

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Working with Wetlands to Increase Resilience: A Panel on Innovative State Program Practices – Stephanie Santell, US Environmental Protection Agency; Karen Menetrey, New Mexico, Office of Environment; John Genet, Minnesota Pollution Control Agency; Collis Adams, New Hampshire Department of Environmental Services

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Innovations in State Buffer Management – Kimberly Roth, Environmental Analyst, New England Pollution Control Commission; Trish Garrigan, Healthy Watersheds and Green Infrastructure Coordinator, EPA New England; Tom Gile, Buffers and Soil Erosion Program Coordinator, Minnesota Bureau of Water and Soil Resources; Danny Bennett, Wildlife Biologist, West Virginia Department of Natural Resources

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Legal Processes for Wetland Permits – Janet Brooks, Esq., Attorney at Law

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Long Term Financial Assurances for Wetland Mitigation and Voluntary Restoration – Steve Martin, U.S. Army Corps of Engineers; Palmer Hough, U.S. Environmental Protection Agency's (EPA), Office of Wetlands, Oceans, and Watersheds; Robert Capriola, Westervelt Ecological Services; Angela Sturdevant, The Nature Conservancy's Indiana Chapter

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Ohio's VIBI-FQ: An Innovative Tool for Monitoring Natural and Mitigation Wetlands – Brian Gara, Ohio Environmental Protection Agency

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Financial Assurances and Compensatory Mitigation – Steve Martin, U.S. Army Corps of Engineers

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Capitalizing on the Forthcoming Release of the National Wetland Condition Assessment Report to Promote Your Wetland Program – Brenda Zollitsch, ASWM Policy Analyst

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Wetlands and Nutrient Uptake in Agricultural Settings – Tom Harcarik, Ohio Environmental Protection Agency, Division of Environmental and Financial Assistance; Bill Schumacher, Ohio Environmental Protection Agency, Division of Surface Water; and Eric Saas, Ohio Environmental Protection Agency, Division of Surface Water

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Climate-Smart Conservation for Wetlands – Dr. Bruce A. Stein, Senior Director, Climate Adaptation and Resilience, National Wildlife Federation

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Solar Project Siting and Wetland Permitting Part 2: Panel Discussion on State Wetland Permitting Considerations – Lealdon Langley, Massachusetts DEP Wetland Program; Laura Lapierre, Vermont DEC Wetland Program; Beth Alafat, U.S. EPA Region 1; and Cori Rose, U.S. Army Corps of Engineers, New England District

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Solar Project Siting and Wetland Permitting – Roger Freeman, J.D., Solventerra

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Using Beaver as a Wetland Restoration Tool: Restoration Lessons Learned and an Introduction to the Beaver Restoration Assessment Tool (BRAT) – Joe Wheaton, Assistant Professor and Ecogeomorphology & Topographic Analysis Lab Director at Utah State University

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Findings from ASMW's New Status and Trends Report on State Wetland Programs in the United States - Brenda Zollitsch, Policy Analyst, Association of State Wetland Managers

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Assessment of Wetland Mitigation Success: Findings from a New Study on Massachusetts Wetland Replication Projects - Lisa Rhodes, Massachusetts Wetland Program, Massachusetts Department of Environmental Protection and Scott Jackson, University of Massachusetts at Amherst

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Monitoring Results from the Big Spring Run Aquatic Ecosystem Restoration Project and Prospects for Addressing Watershed Impairments Related to Legacy Sediment – Jeff Hartranft, Pennsylvania Department of Environmental Protection

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Wetlands Supplement: Incorporating Wetlands into Watershed Planning
Kerry Ann Weaver, Life Scientist, US EPA Region 5

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ELI and The Nature Conservancy's Watershed Approach Handbook: Improving Outcomes and Increasing Benefits Associated with Wetland and Stream Restoration and Protection Projects - Nicholas Miller, Science Director, The Nature Conservancy in Wisconsin; Mark Smith, Deputy Director of the North America Freshwater Program, The Nature Conservancy; and Jessica Wilkinson, Senior Policy Advisor for Mitigation, The Nature Conservancy

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Ecosystem Service Valuation for Wetland Restoration: What it is, How to do it and Best Practice Recommendations – Marla Stelk, Policy Analyst, Association of State Wetland Managers

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Wetland Link International North America Webinar II: Best Practice in Designing, Building and Operation of Wetland Education Centers:

- **Summary of the Development of the Wetland Centre Handbook** – Chris Rostron, WLI/Nathalie Bays, Oak Hammock Marsh
- **Master Planning for Wetland Centers** – Marie Banks, WWT Consulting
- **Running Programs at Wetland Centers** – Katelin Frase, Environmental Concern
- **Financial Planning and Resourcing** – Nathalie Bays, Oak Hammock Marsh

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Key Findings from ASWM's National Report on State Definitions, Jurisdiction and Mitigation Requirements in State Programs for Ephemeral, Intermittent and Perennial Streams in the United States – Brenda Zollitsch, PhD, Policy Analyst, ASWM

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Status and Trends of the Prairie Pothole Region – Tom Dahl, U.S. Fish and Wildlife Service (Retired)

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Arid Land Restoration, Blue Lake Wetlands Project – Tom R. Biebighauser, Center for Wetlands and Stream Restoration

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Living Shorelines – Kevin Du Bois, Environmental Engineer, City of Norfolk, VA

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Inspection and Maintenance of Wetlands – Tom Biebighauser, Wetland Restoration and Training

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Going, Going, Gone Millions of Acres of Wetlands and Fragile Land Go Under the Plow – Craig Cox, Senior Vice President for Agriculture and Natural Resources and Soren Rundquist, Landscape and Remote Sensing Analyst Environmental Working Group

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Developing a Wetland Management Plan for the White Oak Bayou Watershed – Scott Owen, Terra Aquatica Environmental, LLC

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Koontz v. St. Johns River Water Management District: What Happened and Where Do We Go From Here – Royal Gardner, Stetson University College of Law, Jan Goldman-Carter, National Wildlife Federation, Jon Kusler, Association of State Wetland Managers, Dan Siegel, Attorney General's Office, California.

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Permitting Wetland Restoration Projects – Peg Bostwick, Association of State Wetland Managers

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Designing Wetlands for Rare Amphibians – Tom Biebighauser, U.S. Forest Service

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Emerging Legal issues with Wetlands and Climate Change – Pat Parenteau, Esq., Vermont Law School and Jon Kusler, Esq. Association of State Wetland Managers

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Wetlands, Carbon and Climate Change – Dr. William J. Mitsch, Director, Everglades Wetland Research Park

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Identifying Drained Wetlands – Tom Biebighauser, U.S. Forest Service

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Wetland Mitigation and the U.S. Supreme Court: Koontz v. St. Johns River Water Management District – Royal Gardner, Stetson University College of Law and Jan Goldman-Carter, National Wildlife Federation

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Coastal Blue Carbon - What's all the Fuss About? – Steve Emmett-Mattox, Restore America's Estuaries

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Water Quality Standards for Wetlands – Jeanne Christie and Jon Kusler, Association of State Wetland Managers, and Jennifer Linn, U.S. Environmental Protection Agency

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National Wetland Plant List – Dr. Bob Lichvar, U.S. Army Corps of Engineers

Hot Topic Webinars

2017

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Partnering with Beaver to Benefit Sage Grouse and Working Lands: Restoring Emerald Islands in the Sagebrush Sea – Jeremy Maestas, Sagebrush Ecosystem Specialist, USDA-NRCS West National Technology Support Center, Portland, OR and Dr. Joe Wheaton, Professor, Watershed Sciences Department, Utah State University, Logan, UT

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How to Connect with the Public to Protect Wetlands: Findings from ASWM's Wetland Communications Case Study Project – Marla Stelk, Policy Analyst, Association of State Wetland Mangers; Brenda Zollitsch, Policy Analyst, Association of State Wetland Mangers Ted LaGrange, Wetland Program Manager, Nebraska Game and Parks Commission

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What's Next for Clean Water Act Jurisdiction– Jan Goldman-Carter, National Wildlife Federation; Virginia Albrecht, Hunton and Williams, LLP; Royal C. Gardner, Stetson University, College of Law

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The Basics of Wetland Plant Identification – Joe Ely, University of Central Missouri

April 11, 2017 [View recording here](#)

What's Next for Clean Water Act Jurisdiction: Maintaining - or Draining - the Swamps? The Future of the Clean Water Rule – Stephen Samuels, Retired, formerly with Department of Justice

February 9, 2017 [View recording here](#)

Nationwide Permit Rule Webinar: Low-head Dam Removal: Technical Issues and Considerations for State/Tribal/Federal Review – Serena McClain, American Rivers and James MacBroom, Milone & MacBroom

January 19, 2017 [View recording here](#)

Overview of the Final Rule on Issuance and Reissuance of the §404 Nationwide Permits– Dave Olson, U.S. Army Corps of Engineers

2016

November 15, 2016 [View recording here](#)

Wetlands & Climate Change: A Summary of Current Wetland Scientific Findings – Gillian Davies, PWS, Senior Ecological Scientist, BSC Group, Inc. and President, Society of Wetland Scientists

June 14, 2016 [View recording here](#)

Nationwide Permit Rule Webinar #2: Panel on State Processes for Reviewing the Proposed Nationwide Permits and Lessons Learned from States – Jeff Boyles and Joni Lung, Ohio Environmental Protection Agency; Tyler Brown and Steven Smailer, Delaware Department of Natural Resources and Environmental Control; Vena Jones, Tennessee Department of Environment and Conservation; Heather Preston, South Carolina Department of Health and Environmental Control

June 8, 2016 [View recording here](#)

Nationwide Permit Rule Webinar #1: The New Nationwide Permit Rule – What You Need to Know – David Olson, U.S. Army Corps of Engineers

May 18, 2016 [View recording here](#)

American Wetlands Month: What you can do to protect and restore wetlands – Kathleen Kutschenreuter, U.S. Environmental Protection Agency (EPA); Susan-Marie Stedman, NOAA Fisheries; Mitch Bergeson, U.S. Fish and Wildlife Service; Dr. Abbey Tyrna, University of Florida, IFAS Extension; Dr. Bianca Wentzell, Passaic River Institute, Montclair State University

2015

November 19, 2015 [View recording here](#)

Legal Challenges to the Clean Water Rule: Which Court? What Questions? What Timeframe? – Roy Gardner, Professor of Law and Director, Institute for Biodiversity Law and Policy and Kim Diana Connolly, Professor, Director of Clinical Legal Education, Vice Dean for Legal Skill, SUNY Buffalo New York

August 24, 2015 [View recording here](#)

Understanding Legal Challenges and Next Steps for the Clean Water Rule – Roy Gardner, Professor of Law and Director, Institute for Biodiversity Law and Policy and Kim Diana Connolly, Professor, Director of Clinical Legal Education, Vice Dean for Legal Skill, SUNY Buffalo New York

June 17, 2015 [View recording here](#)

Understanding the Final Clean Water Rule and Changes to CWA Jurisdiction Included in Senate Bill 1140 – Roy Gardner, Professor of Law and Director, Institute for Biodiversity Law and Policy and Kim Diana Connolly, Professor, Director of Clinical Legal Education, Vice Dean for Legal Skill, SUNY Buffalo New York

May 27, 2015 [View recording here](#)

American Wetlands Month National Webinar: The Ramsar Treaty/Convention on Wetlands – Barbara De Rosa-Joynt, Chief of Biodiversity, U.S. Department of State; Roy C. Gardner, Chair, Ramsar Scientific and Technical Review Panel; William J. Mitsch, Chair, US National Ramsar Committee; Chris Rostron, Head, Wetlands Link International/Member, Ramsar CEPA Oversight Panel; Lind Friar, Chief of Public Affairs, Everglades National Park, Florida; and Nathalie Bays, Manager of Interpretive Center Operations, Oak Hammock Marsh, Manitoba

2014

July 30, 2014 [View recording here](#)

Wetland Link International North America Webinar II: Best Practice in Designing, Building and Operation of Wetland Education Centers:

- **Summary of the Development of the Wetland Centre Handbook** – Chris Rostron, WLI/Nathalie Bays, Oak Hammock Marsh
- **Master Planning for Wetland Centers** – Marie Banks, WWT Consulting
- **Running Programs at Wetland Centers** – Katelin Frase, Environmental Concern
- **Financial Planning and Resourcing** – Mathalie bays, Oak Hammock Marsh

May 8, 2014 [View recording here](#)

Status and Trends of the Prairie Pothole Region – Tom Dahl, U.S. Fish and Wildlife Service (Retired)

January 23, 2014 [View recording here](#)

- **Nested Financing** – Amanda Punton, Oregon Department of Land Conservation and Development
- **Options for Financing Environmental Enhancement at the Local Level in Oregon** – Glenn Barnes, Environmental Finance Center at the University of North Carolina School of Government

2013

October 29, 2013 [View recording here](#)

Wetland Link International North America – Sandra Hails, CEPA Manager, Ramsar Secretariat; Cully Shelton, International Crane Foundation; Suzanne Pittenger, Selar, Environmental Concern; Nathalie Bays, Oak Hammock Marsh; and Kris Scopinich, Massachusetts Audubon Society

July 17, 2013 [View recording here](#)

Koontz v. St. Johns River Water Management District: What Happened and Where Do We Go From Here – Royal Gardner, Stetson University College of Law, Jan Goldman-Carter, National Wildlife Federation, Jon Kusler, Association of State Wetland Managers, Dan Siegel, Attorney General's Office, California

May 29, 2013 [View recording here](#)

Designing Wetlands for Rare Amphibians – Tom Biebighauser, U.S. Forest Service

2012

December 11, 2012 [View recording here](#)

Coastal Blue Carbon - What's all the Fuss About? – Steve Emmett-Mattox, Restore America's Estuaries

November 27, 2012 [View recording here](#)

Water Quality Standards for Wetlands – Jeanne Christie and Jon Kusler, Association of State Wetland Managers, and Jennifer Linn, U.S. Environmental Protection Agency

October 2, 2012 [View Recording here](#)

National Wetland Plant List – Dr. Bob Lichvar, U.S. Army Corps of Engineers

Invasive Species Webinars

2017

August 17, 2017 [View recording here](#)

Invasive Species in Coastal Wetlands: Current and Future Challenges & Management Implications – Tom Hall, USDA, Animal and Plant Health Inspection Service, Wildlife Services Program and Anne Garwood, Michigan Department of Environmental Quality