



Wetland News Digest

Editor's Note

Every issue of WND celebrates wetlands, and since May is American Wetlands Month, this is an especially exciting issue. Here are my top news stories:

- EPA and Army announced the dates of 10 [WOTUS Regional Roundtables](#). The sessions are being livestreamed, with a recording also available online. The first Roundtable took place on May 9 and the schedule continues through the end of June.
- [CEQ finalized National Environmental Policy Act](#) (NEPA) regulations, restoring the requirement that federal agencies' environmental review include all relevant environmental impacts, including climate change.
- The Environmental Council of the States (ECOS) [appointed Ben Grumbles](#) as their new Executive Director. Grumbles currently serves as ECOS President and Maryland Department of the Environment Secretary.

Before you jump into the news or get bogged down in field season, be sure to register for [NAWM's Annual Meeting](#) (Aug 15-19 at the NCTC in Shepherdstown, WV). Scholarships are available (see website for full details). This is always an informative and re-energizing event, and since we'll be meeting in-person again, this is one you won't want to miss!

Happy American Wetlands Month!

Audra Martin
Editor, Wetland News Digest
NAWM

Know of an interesting news story? Share it with us at news@nawm.org and you may see it featured in the next issue!

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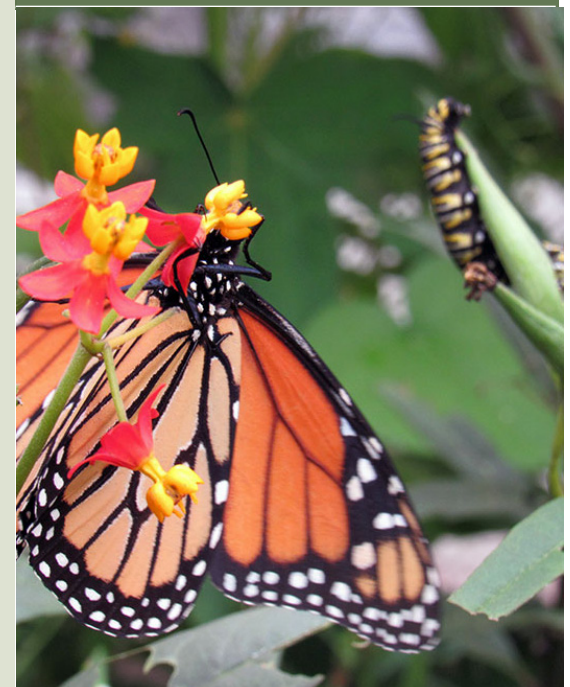


Photo Credit: Marla Stelk, NAWM



Sponsor Wetland News Digest

Wetland News Digest (WND) sponsorship provides the perfect opportunity for your business to increase its visibility with members of the wetlands and water resources community and reinforce your continued commitment to wetlands in the U.S.

**Sponsorship
Information**

Photo Credit: David Henderson

EPA and Army Select 10 Roundtables to Highlight Regional Implications of WOTUS

U.S. Environmental Protection Agency

On May 4, 2022, EPA and Army announced the schedule of ten roundtables that highlight geographic differences and a range of perspectives—including agriculture, conservation groups, developers, drinking water and wastewater managers, environmental organizations, communities with environmental justice concerns, industry, Tribal nations, and state and local governments. The agencies are working with each selected roundtable to facilitate engaging discussion on implementation of “waters of the United States” (WOTUS), and to ensure full understanding of regional differences. [Read more.](#)

Biden restores climate to NEPA, undoing Trump's efforts

By Kelsey Brugger E&E News – Greenwire – April 19, 2022

The White House today completed reforms on how agencies implement the National Environmental Policy Act, effectively undoing one of the Trump administration's most controversial environmental regulatory rollbacks. The Council on Environmental Quality finalized the first phase of planned changes to the rules governing NEPA, a core environmental law that guides federal scrutiny of major projects like pipelines, bridges and transmission lines. The action coincides with other announcements during what climate adviser Gina McCarthy dubbed Earth Week. [Read more.](#)

ECOS Names Ben Grumbles to Serve as Executive Director

Contact: Lia Parisien – Ecos – May 9, 2022

The Environmental Council of the States (ECOS), the national nonprofit, nonpartisan association of state and territorial environmental commissioners, today announced the selection of Ben Grumbles as the association's sixth Executive Director, effective June 1. Grumbles, who currently serves as ECOS President and Maryland Department of the Environment Secretary, brings extensive experience in state and federal government and association management. [Read more.](#)

Upcoming NAWM Webinars

Hot Topics Webinar: American Wetlands Month: The Importance of Wetlands to Tribal Communities

Thursday, May 24, 2022 - 3:00 p.m.-4:30 p.m. Eastern

Moderator:

DJ Monette

Associate Native American Liaison Advisor, U.S. FWS Headquarters



Presenters:

Nathan Dexter

Native American
Liaison,
U.S. Fish and Wildlife
Service Columbia -
Pacific NW Region



Roger LaBine

Water Resource
Technician,
Lac Vieux Desert
Band of Lake Superior
Chippewa Indians



Jessica Lewis

Environmental
Scientist,
Mississippi Band of
Choctaw Indians

[More Information](#)

[Register](#)

NAWM Members' Webinar: Transferable Strategies for Climate Change Adaptation: Best Practices and Lessons Learned from Coastal Resilience Projects

Wednesday, May 25, 2022 - 3:00 p.m.-4:30 p.m. Eastern

Presenters



Jennifer Lam
Director, ERG



Diana Pietri
Senior Social
Scientist, ERG



**Elizabeth
Weathers**
Junior
Analyst, ERG

[More Information](#)

[Register](#)

A Certificate of Participation to be used toward Continuing Education Credits will be available for this webinar. Free Certificates of Participation are a benefit of [NAWM membership](#). Non-Members who request a certificate will be charged a processing fee of \$25.00. Certificates are not available for viewing recorded webinars. [More information is available here](#). Please contact Laura at laura@nawm.org if you need assistance logging in.

National News

Fact Sheet: Biden – Harris Administration Releases Permitting Action Plan to Accelerate and Deliver Infrastructure Projects On Time, On Task, and On Budget

The White House – May 11, 2022

The Bipartisan Infrastructure Law is making a once-in-a-generation investment in America’s infrastructure and competitiveness that will create good-paying union jobs, grow our economy, invest in communities, combat climate change, and help lower costs for families. [Read more.](#)

DOJ announces new office focused on environmental justice

By Rachel Frazin – The Hill – May 5, 2022

The Justice Department announced on Thursday that it will create a new office focused on environmental justice. “Although violations of our environmental laws can happen anywhere, communities of color, indigenous communities, and low-income communities often bear the brunt of the harm caused by environmental crime, pollution and climate change,” Attorney General Merrick Garland said during a press conference. [Read more.](#)

Secretary Haaland Announces \$95 Million for Wetland Conservation Projects and National Wildlife Refuges

U.S. Department of the Interior – April 27, 2022

Secretary of the Interior Deb Haaland today announced that \$95 million in funding has been approved by the [Migratory Bird Conservation Commission](#), which will provide the U.S. Fish and Wildlife Service and its partners the ability to help conserve or restore more than 300,000 acres of wetland and associated upland habitats for waterfowl, songbirds and other birds across North America – including Canada and Mexico. \$78 million in grants, made through the North American Wetlands Conservation Act (NAWCA), will be matched by more than \$116 million in partner funds. [Read more.](#)

Wetland Mapping Consortium Webinar: Creative Approaches to Funding Wetland Programs and Inventories

Wednesday, June 15, 2022

3:00 p.m.-4:30 p.m. EDT



Andy Robertson
GeoSpatial Services at Saint Mary’s University of Minnesota



Mike Jones
Stockbridge-Munsee Community



Tim Bixler
Missouri Department of Conservation

[More Information](#)

[Register](#)

President Biden Signs Executive Order to Strengthen America's Forests, Boost Wildfire Resilience, and Combat Global Deforestation

The White House – April 22, 2022

Today, on Earth Day, President Biden will sign an Executive Order to expand his Administration's historic and bold efforts to tackle the climate crisis, make our nation more resilient to extreme weather, and strengthen local economies. The President will sign the Executive Order in Seattle, Washington—rounding out a trip across the West focused on lowering costs for families and protecting communities from intensifying climate impacts. Wildfires and extreme weather events are growing in frequency and ferocity, engulfing communities in the West and across the country and costing lives, homes, and money. Because President Biden knows the cost of inaction is too great, he is taking bold executive action and reaffirming his calls on Congress to address the climate crisis. [Read more.](#)



Photo Credit: Jennie Skancke, MN DNR

EPA says it will emphasize environmental justice, community engagement to promote equity

By Zayna Syed – AZ Central – April 19, 2022

The Environmental Protection Agency has released what it calls an [equity report](#) emphasizing environmental justice and engagement with underserved communities. The equity plan fulfills a requirement by the Biden administration for all agencies to assess whether its programs and policies perpetuate systemic barriers for people of color and other underserved groups. The report further solidifies the agency's stated goal of environmental justice. In the strategic [four-year plan](#) released this February, the agency lists environmental justice as priority #2 behind tackling climate change. [Read more.](#)

Biden administration launches conservation program called America the Beautiful Challenge

By Paige Bennett – People's World – April 15, 2022

The Biden administration has launched [America the Beautiful Challenge](#), a \$1 billion conservation program that will make navigating grant funding for new conservation and restoration projects easier. The project is part of a larger goal, called the [America the Beautiful Initiative](#), to conserve 30% of land and water in the U.S. by 2030. This public-private grant program will fund local restoration and conservation projects, including watershed restoration, equitable access, wildlife corridors and connectivity, workforce development, and more. [Read more.](#)

August 15-19, 2022

National Association of Wetland Managers Annual State/Tribal/Federal Coordination Meeting

Protecting Waters in a Time of Rapid Change

National Conservation Training Center
Shepherdstown, WV



[Draft Agenda](#)

[Submit an Abstract Today!](#)

Do you have a wetland-related presentation to share with your peers? We are looking for abstracts that fall under one of the following focus areas:

- Sharing the Marsh: Approaches to Equitably Engaging Communities in Wetland Protection and Restoration
- Staying Afloat: Regulatory Changes and Opportunities for States and Tribes
- Building Your Nest: Developing a Community of Practice through Effective Outreach and Communications
- Foraging for Funds: Sticking Your Straw into the Infrastructure Pot for Climate Resiliency
- Learning to Fly: Advances in Geospatial Tools and Technology
- Passing the Will-O'-Wisp: Continuity and Mentorship for Staffing Changes

**Register
Today!
Early Bird
Deadline -
June 24th**

[Jon A. Kusler Student Scholarship](#)

Are you/do you know a U.S.-based student studying wetland science, law, or policy? This is an opportunity to attend the event with all expenses funded.

[State/Tribal Scholarship](#)

A limited number of financial scholarships are available to assist those in need with registration costs and travel expenses to attend NAWM's Annual State/Tribal/Federal Coordination Meeting. Scholarships of up to \$1,000 may be granted with the intent to support as many of our colleagues as possible.

[Sponsorship Opportunities – be part of this Great Event!](#)

More Information

State and Tribal News

Happy American Wetlands Month



NAWM will feature photos from David Henderson for our May 18th Wetlands Wednesday slideshow. If you'd like to share your wetland photos, [submit your photos here](#).



Photos Credit: David Henderson

CA: California Is Restoring Floodplains to Lower Flood Risk Downstream

By Kathleen Ronayne, Associated Press – KQED – April 20, 2022

Between vast almond orchards and dairy pastures in the heart of California's farm country sits a property being redesigned to look like it did 150 years ago, before levees restricted the flow of rivers that weave across the landscape. The 2,100 acres at the confluence of the Tuolumne and San Joaquin rivers in the state's Central Valley are being reverted to a floodplain. That means when heavy rains cause the rivers to go over their banks, water will run onto the land, allowing traditional ecosystems to flourish and lowering flood risk downstream. [Read more.](#)

Southern Ute Tribe: EPA approves water quality standards for the Southern Ute Indian Tribe

By Al Maulding Western – SlopeNow – April 15, 2022

The Southern Ute Indian Tribe's water quality standards were approved by the U.S. Environmental Protection Agency (EPA), under the federal Clean Water Act. The approval follows a 20-year effort by the Tribe's Environmental Programs Division and places the Southern Ute Indian Tribe among the tribes recognized to have water quality standards approved by EPA under the Clean Water Act. [Read more.](#)



Photo Credit: Michele Mihalovich

DE: DNREC Inland Bays Wetland Strategy Details Restoration Plans for Wetlands and Submerged Aquatic Vegetation

Delaware.gov – April 11, 2022

The Delaware Department of Natural Resources and Environmental Control has finalized a strategy to address several specific wetlands and aquatic vegetation issues in the Inland Bays watershed. Published by the DNREC Wetland Monitoring and Assessment Program (WMAP), the [Inland Bays Wetland Restoration Strategy plan](#) covers the Inland Bays watershed, which drains 210,064 acres of land in southern Delaware. According to Delaware's 2017 Statewide Wetland Mapping Project, 58,906 acres of the basin are wetlands. This acreage represents 20% of all of Delaware's wetlands. The primary purpose of this strategy is to identify key tactics for addressing issues affecting tidal wetlands, non-tidal wetlands, and submerged aquatic vegetation in the Inland Bays watershed, while also identifying priority areas on public land where the tactics could be implemented. [Read more.](#)

MD: From flooding to flourishing: Potomac golf course restoration, reforestation changed the game

By Kaitlyn McGrath – WUSA 9 – May 6, 2022

TPC Potomac at Avenel Farm redesigned elements of its course in the early 2000s and the resulting restoration has proved to be a game-changer for both golfers and the local environment. The course in Potomac has a lot of down-sloping land and, at the base of it all, a stream that runs through it and into the Potomac River about two miles away. So, during heavy rain events, the course has a lot of water to manage. But back in 2008, TPC Potomac and PGA worked with an ecological restoration firm called LandStudies on a major renovation and restoration. [Read more.](#)

MA: Baker-Polito Administration Awards \$2.1 Million for River and Wetland Restoration Projects

NewsWires – May 2, 2022

The Baker-Polito Administration announced today \$2,115,000 in grant funding to support eight river and wetland restoration projects that will restore healthy habitat while helping to increase climate resilience, address aging infrastructure, and create opportunities for outdoor recreation. Seven of these projects are designated Priority Projects through the Department of Fish and Game's (DFG) Division of Ecological Restoration (DER) Priority Projects Program. The remaining project is designated as a Culvert Replacement Training Site through DER's Culvert Replacement Training Initiative. [Read more.](#)

MI: DNR enhances vital wetland on Lake St. Clair

By Pat Batcheller – Wdet – May 6, 2022

The Michigan Department of Natural Resources and two conservation groups are working together to revitalize one of the state's most important wetlands. The St. Clair Flats State Wildlife Area covers more than 25,000 acres at the north end of Lake St. Clair. It attracts a variety of waterfowl, especially ducks. To make the wetland habitable for the birds, the DNR uses pumps to adjust water levels. Darling says they can create just the right habitat on Harsens Island. [Read more.](#)

MN: Building on Nokomis swampland will haunt Minneapolis in wetter future, report says

By Susan Du – StarTribune – April 19, 2022

Residents of a section of south Minneapolis were alarmed when, starting nearly a decade ago, sinkholes suddenly opened in their streets, trees toppled over in Solomon Park, basements flooded, and waterlogged backyards devolved into swampy stands of cattails. Broken sewer pipes cost residents thousands to repair. Federal, state and local officials set out to find out what was happening in the Nokomis community. On Tuesday, they released a report saying the problem goes all the way back to when the area's natural marshes were erased for development. [Read more.](#)

NJ: Wading through muddy wetlands, N.J. conservationists seek to find – and protect – endangered bog turtles

By Zoë Read – WHYY – April 29, 2022

On a mild but windy day, along the Upper Salem River in South Jersey, a small group of conservationists trekked in their waders through muddy ground to search for endangered bog turtles. They'd like their location to remain confidential – to prevent poachers from capturing and selling the turtles as pets or food. The black-market turtle trade is one of the reasons why the bog turtle is federally threatened and state endangered, along with depleting habitat caused by land development, pollution, and invasive species. [Read more.](#)

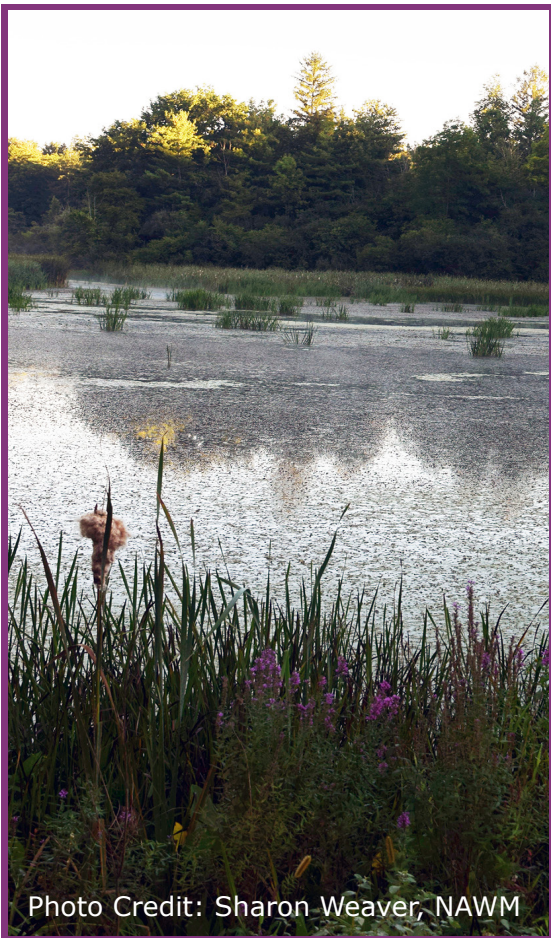


Photo Credit: Sharon Weaver, NAWM

NY: Freshwater wetlands protected in state budget

Mid Hudson News – April 12, 2022

Legislation introduced by State Senator Pete Harckham and Assemblyman Steve Englebright to protect and regulate freshwater wetlands statewide was included in the newly just-approved state budget. The measure will update the state's wetland maps for the first time in over 25 years, which will safeguard fragile drinking water supplies while also helping to combat climate change through carbon mitigation in millions of acres. [Read more.](#)

OH: Ohio bill to deregulate ephemeral features, federal rules uncertain

By Sarah Donaldson – Farm and Dairy – April 13, 2022

An Ohio bill that would deregulate some ephemeral features has moved to Gov. Mike DeWine's desk, with mixed reactions from conservation groups. [House Bill 175](#) will remove ephemeral streams, but not wetlands, from regulation under the state's water pollution control programs. [Read more.](#)

MARSH

MENTORSHIP ASSISTED RESOURCE & SUPPORT HUB

A new, one-year mentoring program for students, early career professionals, and people transitioning between careers to network, gain experience, and receive one-on-one coaching to support their growth as wetland professionals.

Launching January 2023

A Joint Initiative Offered by

[National Association of Wetland Managers](#) and [Society of Wetland Scientists](#)

Visit the [Mentorship Program webpage](#) for more information, dates, and frequently asked questions.

Contact Marla Stelk, Executive Director, NAWM at marla@nawm.org with any questions.



INFORMATIONAL HOT TOPICS WEBINAR

MARSH is Coming!

**Learn More about the new
Mentorship Assisted Resource & Support Hub**

July 21, 2022

3:00 p.m.-4:00 p.m. EDT

Presenters:

- Greg Noe, Research Ecologist, U.S. Geological Survey
- Steffanie M. Munguía, PhD Candidate, Florida International University
- Marla Stelk, Executive Director, National Association of Wetland Managers
- Donna Downing, Senior Legal Policy Advisor, National Association of Wetland Managers



**More Information/
Register**

Recently Recorded NAWM Webinars

NAWM Members' Webinar

Managing Impacts to Wetlands from Solar Development

Held Wednesday, April 27, 2022



Presenter

Laura Lapierre,
Vermont Department of Environmental Conservation

Recording will be available soon!

To view the members' webinar, please [login here](#) and then navigate to the Members' Webinar Series. Please contact us at laura@nawm.org or (207) 892-3399 if you need assistance logging in. If you are not currently a member, [join NAWM here](#).

Hot Topics Webinar

Wetlands, Flooding, and the Clean Water Act

Held Wednesday, April 13, 2022



Presenter

Hannah Druckenmiller
Fellow, Resources for the Future



Co-Author

Charles A. Taylor
PhD Candidate, in Sustainable Development, Columbia University

[View Recording](#)

Wetland Science News

Coastal Wetlands Have an Important Role to Play in Addressing Climate Change

By Alex Clayton & Emily Owen – PEW – April 21, 2022

Coastal wetlands, long recognized for their importance to local livelihoods and biodiversity, are also important natural carbon sinks. Mangroves, salt marsh, and seagrass beds, known collectively as “blue carbon” ecosystems, are especially efficient at removing carbon dioxide from the air and surrounding waters. Despite occupying less than 2% of the ocean, coastal wetlands store roughly 50% of all carbon known to be buried in global ocean sediments. These habitats also provide myriad other benefits, including protecting coastal communities against the full impact of storm surges, floods, sea level rise, and other climate change-related threats. [Read more.](#)

Understanding the Importance of Salt Marshes

By Pei Xin, Alicia Wilson, Zhenming Ge and Isaac Santos – Eos – April 19, 2022

Salt marshes are highly productive wetlands that provide important ecological services and play a vital role in coastal carbon cycling. Unfortunately, around 50 percent of the world’s original salt marshes have been lost over the past century. Many remaining salt marshes worldwide suffer from serious degradation and loss of ecosystem function. [Read more.](#)

Development and Application of Landsat-Based Wetland Vegetation Cover and UnVegetated-Vegetated Marsh Ratio (UVVR) for the Conterminous United States

By Neil K. Ganju, et al. – May 2, 2022

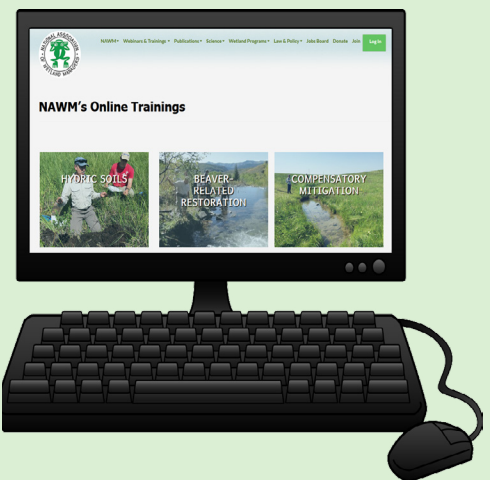
Effective management and restoration of salt marshes and other vegetated intertidal habitats require objective and spatially integrated metrics of geomorphic status and vulnerability. The unvegetated-vegetated marsh ratio (UVVR), a recently developed metric, can be used to establish present-day vegetative cover, identify stability thresholds, and quantify vulnerability to open-water conversion over a range of spatial scales. Here we present the methodology used to generate the UVVR from spectral indices, along with calibration, validation, and spatial autocorrelation assessments. We then demonstrate multiple applications of the data across varying spatial scales.

[Read more.](#)

NAWM’S ONLINE TRAINING

Have you visited our Online Trainings Library lately?

As a benefit of NAWM Membership, you may [Log In](#) to view the modules and complete the knowledge-based quizzes at no additional charge. NAWM Members who both view the module presentations and successfully complete the module quizzes are eligible for free Certificates of Completion. *Non-members also have access to the modules via the [non-member Online Training pages](#). The quizzes and certificates have processing fees per module.



Double your membership value with a

2X1 SOCIETY MEMBERSHIP FOR STUDENTS

NAWM is a national nonprofit that builds capacity for state & tribal wetland managers, fosters collaboration & training for wetland professionals, and promotes the use of sound science in aquatic resource management, policy, & practice. [Join NAWM](#)

Started primarily as a scientific society based in the U.S., SWS is now international with the mission to promote best practices in wetland research, education, conservation, restoration, and management. [Join SWS](#)



SOCIETY of WETLAND SCIENTISTS

How do I claim my dual membership?

01

Join either the Society of Wetland Scientists or the National Association of Wetland Managers as a student (reduced membership rate of \$30!)

02

Get a student membership to the other society for free! Benefit from student opportunities from both groups for the price of one.



NAWM Membership

Join or Renew Today!

2021 Rates Good Through May 31, 2022

Benefits:

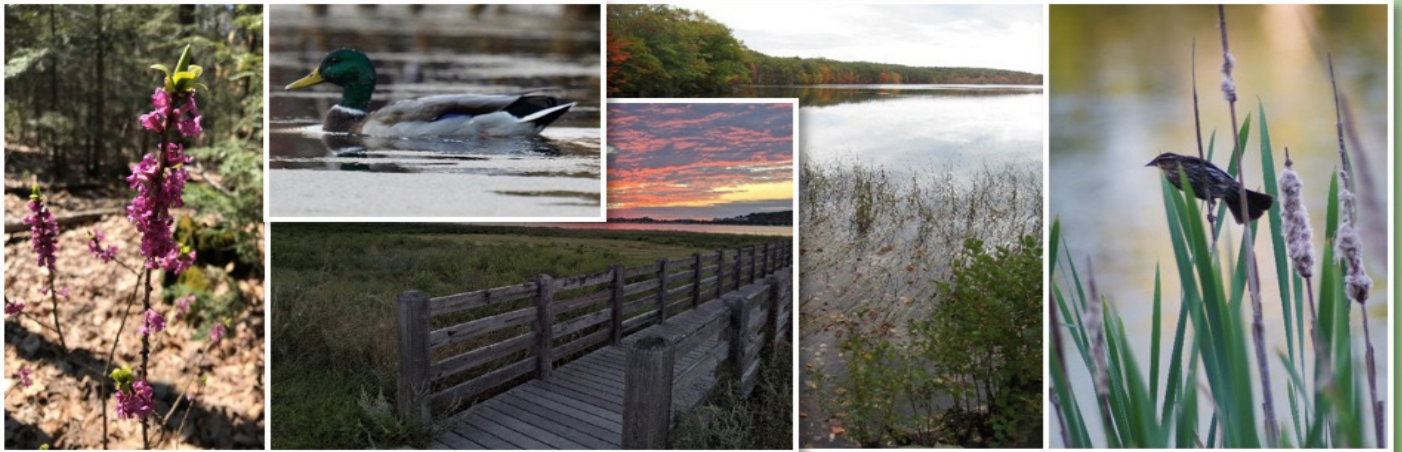
NAWM supports and works with you to advance the field of wetland management, building your expertise while cultivating future wetland scientists & practitioners.

NAWM serves its members by:

- building capacity for state and tribal wetland programs,
- fostering collaboration among the wetland community of practice,
- encouraging the application of sound science to wetland management and policy,
- promoting the protection and restoration of wetlands and related aquatic resources, and
- providing training and education for members and the public.

**See all Benefits
Join/Renew**

Join NAWM in Celebrating American Wetlands Month



Share Your Wetland Photos!

Have you been following our #AmericanWetlandsMonth social media posts? We welcome you to join the celebration!

NAWM is sharing photos of favorite wetlands in our social media posts and NAWM publications. Throughout May, we will be flooding our media streams with pictures from around the country. We are asking for your help to do this.

We are looking for a variety of images – wetlands, flora, fauna, and wetland friends – to share throughout May. Photos should be submitted in .jpg, .png, or .pdf format and have a file size between 100KB – 10MB. [Submit your photos here.](#)

Follow NAWM on Social Media

Membership Monday

Topical Tuesday

Wetlands Wednesday

Throwback Thursday

Funday Friday



Resources and Publications

Aquatic Resource Type Conversion Evaluation Framework, Version 2.0

By Eric D. Stein, et al. – Southern California Coastal Water Research Project – March 2022

EPA has developed the Wetland Type Conversion Framework Tool, a process tool for wetland restoration that compares different types of wetlands and accounts for the type conversion. The tool is not guidance, but it is peer reviewed and tested and solves a hard wetland restoration problem. The framework is anticipated to be utilized in the San Francisco Bay region and will be applicable elsewhere in California. [Read more.](#)

Compendium of Federal Nature-Based Solutions for Coastal Communities, States, Tribes, and Territories

NACWA – May 5, 2022

To facilitate use of federal resources, the National Climate Task Force’s Coastal Resilience Interagency Working Group, co-led by the White House Council on Environmental Quality and the National Oceanic and Atmospheric Administration, released a [Compendium of Federal Nature-Based Solutions for Coastal Communities, States, Tribes, and Territories](#)—streamlining access to more than 100 information resources and 48 federal programs that can support nature-based solutions in coastal areas. The compendium offers simplified access to recommended federal resources and guidance on coastal green infrastructure, nature-based solutions, and habitat restoration that are available to assist coastal communities, states, tribes, and territories in evaluating, enabling, and investing in nature-based adaptation strategies. [Read report.](#)



Photo Credit: Sharon Weaver, NAWM

NAWM Jobs Board

[FL: OPS Environmental Specialist](#)

Florida Department of Environmental Protection, St. Joe, FL
Apply by May 22, 2022

[IL: Post-Doctoral Research Associate - Stream Ecology](#)

NGRREC/Lewis and Clark Community College, Godfrey, IL
Open until filled.

[OR: USFWS Postgraduate Science Communication Fellowship](#)

U.S. Fish and Wildlife Service, Portland, OR
Open until filled.

[TX: Texas Coastal Outreach Coordinator](#)

American Bird Conservancy, Galveston, TX
Apply by May 27, 2022

[VT: Lecturer: Environmental Science and Restoration Ecology](#)

Rubenstein School of Environment and Natural Resources
University of Vermont, Burlington, VT
Review begins May 20, 2022; Start date is August 22, 2022

[VA: Natural Resource Specialist Senior](#)

Virginia Department of Transportation, Stafford, VA
Apply by May 23, 2022

[Visit the NAWM Jobs Board](#)



Podcasts of Interest

National Wildlife Federation and Allied World Assurance Company
Podcast: [Harnessing Natural Infrastructure to Protect the Built Environment](#)

U.S. Geological Survey Ecosystems Podcast Series: [Outstanding in the Field](#)

NOAA Ocean Podcast: [Engineering with Nature; USACE, NOAA, and the Value of Partnership](#)

Cary Institute of Ecosystem Studies Podcast: [Designer wetlands](#)

No-Till Farmer Podcast: [Preserving Wetlands on the Farm with Ray McCormick](#)



America's Most Endangered Rivers of 2022 Spotlights Rivers in Crisis Mode

By Jessie Thomas-Blate – American Rivers – April 18, 2022

Catastrophic drought. Disastrous floods. Fish and other freshwater species nearing extinction, as rivers heat up. Many people in the United States have imagined climate change as a problem in the future. But it is here now, and the primary way that each of us is experiencing climate change is through water. The climate crisis is a water crisis. Today we are announcing [America's Most Endangered Rivers® of 2022](#) and sounding the alarm that our nation's rivers and clean water are in crisis. Topping the list this year is the Colorado River, which is threatened by climate change and outdated water management. [Read more.](#)

Into the wild

By Talia Ogliore Washington – University in St. Louis – April 15, 2022

Frequently flooded and accessible only by dinghy, Ellis Island in the Mississippi River near Alton, Illinois, seems like an unlikely place to launch one part of a clean energy revolution. But that's exactly what Arpita Bose, associate professor of biology in Arts & Sciences, aims to do with the help of microbes harvested from this wetlands area, which is part of the Riverlands Migratory Bird Sanctuary. She believes these organisms have an important role to play in fighting climate change. [Read more.](#)

Shoring up coastlines and communities with green infrastructure

By Maddy Lauria – Grist – May 3, 2022

Riffing on nature to, say, create wetlands, restore coastal shorelines, or expand green spaces, can reduce flooding, minimize [heat islands](#), and provide access to natural resources and recreation like bike paths — [often at a lower cost](#) than traditional gray infrastructure. Involving residents in the planning, building, and enjoyment of nature-based solutions also gives them a stake in their neighborhoods, which can foster the feeling of environmental stewardship needed to support climate action. [Read more.](#)

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NAWM
Website

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Photo Credit: Sharon Weaver, NAWM

Calendar of Events

WEBINARS

May

May 18, 2022 4:00 p.m. ET	Northeast Climate Adaptation Science Center Webinar: Tribal & Indigenous-Based Climate Adaptation Priorities in the NE CASC Region
May 20, 2022 11:30 a.m. ET	Wisconsin Wetlands Association Wetland Coffee Break Webinar: Opportunities to Accelerate Watershed-Scale Runoff Management: A Law and Policy Perspective
May 24, 2022 3:00 p.m. ET	National Association of Wetland Managers: Hot Topics: American Wetlands Month Webinar: The Importance of Wetlands to Tribal Communities
May 25, 2022 3:00 p.m. ET	National Association of Wetland Managers Members' Webinar Series: Transferable Strategies for Climate Change Adaptation: Best Practices and Lessons Learned from Coastal Resilience Projects
May 26, 2022 12:00 p.m. – 12:45 p.m. ET	Vermont Department of Environmental Conservation Lecture: How are Vermont's Wetlands Doing and How Can I Support Them?
May 26, 2022 12:00 p.m. – 1:00 p.m. ET	PEW: Blue Carbon Toolbox: Federal resources for states to develop coastal wetland greenhouse gas inventories

June

June 3, 2022 11:30 a.m. ET	Wisconsin Wetlands Association Wetland Coffee Break Webinar: The Stream Functions Pyramid: A framework for effective watershed restoration
June 15, 2022 3:00 p.m. ET	National Association of Wetland Managers: Wetland Mapping Consortium Webinar: Creative Approaches to Funding Wetland Programs and Inventories
June 16, 2022 3:00 p.m. ET	Southwest Climate Adaptation Science Center Webinar: Engaging Indigenous Communities in Climate Resilience Research
June 17, 2022 11:30 a.m. ET	Wisconsin Wetlands Association Wetland Coffee Break Webinar: Blanchard's cricket frog (<i>Acris blanchardi</i>) spring movement ecology in Wisconsin

July

July 8, 2022 11:30 a.m. ET	Wisconsin Wetlands Association Wetland Coffee Break Webinar: Upper Mississippi River restoration history: From dam planning to partnership successes
July 21, 2022 3:00 p.m. ET	National Association of Wetland Managers: Hot Topics Webinar: MARSH is Coming! Learn More about the New Mentorship Assisted Resource & Support Hub

CONFERENCES/EVENTS

May

May 21, 2022 Stone Harbor, NJ	The Wetlands Institute: Spring Shorebird and Horseshoe Crab Festival
May 22, 2022 Delray Beach, FL 5:00 p.m.-7:00 p.m. EDT	Wakodahatchee Wetlands Walk
May 23-25, 2022 Virtual	Ecological Forecasting Initiative (EFI) Virtual Conference
May 24-25, 2022 Virtual	EPA's Office of Research and Development: Resilient Coastal Wetlands and Communities: multi-Regional Workshop
May 24-26, 2022 Muskegon, MI	Michigan Department of Environment, Great Lakes, and Energy: U.S. Great Lakes Areas of Concern Conference

June	
June 4-7, 2022 Washington, DC	River Network: River Rally
June 7-8, 2022 Washington, DC	River Network and American Rivers: Action Day for Clean Water and Rivers
June 14-16, 2022 Hunt Valley, MD	BeaverCon 2022: Building Climate Resilience: A Nature-Based Approach
June 24-28, 2022 Cleveland, OH	American Society of Naturalists, the Society for the Study of Evolution, and the Society of Systematic Biologists Joint Meeting: Evolution 2022
July	
July 13-16, 2022 New Orleans, LA	Ducks Unlimited 85th National Convention
July 31-August 3, 2022 Denver, CO	Soil and Water Conservation Society 77th International Annual Conference: Elevating Conservation to New Heights
July 16-21, 2022 Reno, NV	North American Congress for Conservation Biology: Restoring Connections and Building Resilience in a Changed World
July 31-August 3, 2022 Denver, CO	Soil and Water Conservation Society 77th International Annual Conference: Elevating Conservation to New Heights
August	
August 14-19, 2022 Montreal, Quebec, Canada	Ecological Society of America Annual Meeting: A Change is Gonna Come
August 29- September 1, 2022 St. Paul, MN	Institute for Tribal Environmental Professionals: National Tribal & Indigenous Climate Conference

September	
September 6-9, 2022 Duluth, MN	Natural Areas Association: Natural Areas Conference
September 15-17, 2022 New Orleans, LA	Land Trust Alliance: Rally 2022: National Land Conservation Conference
September 19-22, 2022 Toledo, Spain	International Society of Environmental Indicators: 24th International Conference on Environmental Indicators
September 19-25, 2022 New York, NY	Climate Week
September 20-23, 2022 Chicago, IL	AWCA: 2022 Water Quality Modeling Workshop
September 21-22, 2022 Port Aransas, TX	University of Texas Marine Science Institute: Texas Bays and Estuaries Meeting
October	
October 3-7, 2022 Virtual & New York, NY	American Museum of Natural History: Student Conference on Conservation Science-New York
October 10-12, 2022 Albuquerque, NM	Southwest Climate Adaptation Science Center: Southwest Adaptation Forum
October 24-26, 2022 Traverse City, MI	International Association for Great Lakes Research: State of Lake Michigan Conference
October 25-27, 2022 Green Bay, WI	Midwest Invasive Plant Network: Upper Midwest Invasive Species Conference
November	
November 7-10, 2022 Ft. Myers, FL	North American Invasive Species Management Association 30th Annual Conference
November 14-16, 2022 Ballina, New South Wales	Centre for Coastal Biogeochemistry at Southern Cross University: 15th Australasian Environmental Isotope Conference
December	
December 4-8, 2022 New Orleans, LA	Restore America's Estuaries: 2022 Coastal & Estuarine Summit

TRAINING COURSES

May	
May 23-27, 2022 Charlotte, MI	Michigan Wetlands Association: Wetland Delineation Training
May 25-27, 2022 Online	Wetlands Training Institute, Inc. Course: Graminoids (Grasses, Sedges, Rushes) ID for Wetlands and Wetland Delineators
June	
June 1-2, 2022 Online	Rutgers Office of Continuing Professional Education Course: Hydric Soils
June 4, 2022 Marion, MA	Massachusetts Association of Conservation Commission Course: Basic Wetland Delineation: Vegetation
June 6, 2022 Online	Swamp School Course: Standard Wetland Delineation Training (Classroom/Field) . Discount is offered to NAWM Members
June 6-9, 2022 Raleigh, NC	Swamp School Course: Standard Wetland Delineation Training [Classroom/Field]
June 13-15, 2022 St. Michaels, MD	Environmental Concern Course: Wetland Plant ID
June 14-15, 2022 Charleston, SC	Duncan & Duncan Wetland & Endangered Species Training: Advanced Hydric Soils, Atypical Wetlands, and Hydrology (Coastal Plain or Eastern Mountains/
June 16, 2022 Virtual June 20, 2022 Field Trip	Rutgers Office of Continuing Professional Education Course: Methodology for Delineating Wetlands
June 16, 2022 1:00 p.m. – 3:00 p.m. ET	Swamp School Webinar: USACOE Hydric Soil Indicators [2022 Edition]

July	
July 10-16 2022 Steuben, ME	Eagle Hill Institute Training Course: Grass Identification: An In-depth Review Discount is offered to NAWM Members
July 10-16 2022 Steuben, ME	Eagle Hill Institute Training Course: Wetland Identification, Delineation, and Ecology Discount is offered to NAWM Members
July 29-30, 2022 Milwaukee, WI	University of Wisconsin Course: Wetland Delineation
August	
August 9-12, 2022 Portage, WI	Wetlands Training Institute, Inc. Course: Plant Identification for Wetland Delineators
August 11-12, 2022 Live Remote Washington TBD	Northwest Environmental Training Center Course: Wetlands: Science and Regulatory Management
August 22-25, 2022 Aliquippa, PA	Swamp School Course: Standard Wetland Delineation Training [Classroom/Field]
September	
September 12-13, 2022 San Diego, CA	Wetlands Training Institute, Inc. Course: Riparian Habitat Restoration for the Arid Southwest
September 12-16, 2022 St. Michaels, MD	Environmental Concern Course: Basic Wetland Delineation
September 26-29, 2022 San Diego, CA	Wetlands Training Institute, Inc. Course: Federal Wetland/Waters Regulatory Policy

October	
October 10-12, 2022 St. Michaels, MD	Environmental Concern Course: Evaluating Hydric Soils in the Field
November	
November 2, 2022 Online	Wetlands Training Institute, Inc. Course: Demystifying Wetland and In-Water Permitting in Washington State
November 2-3, 2022 Live Remote Washington TBD	Northwest Environmental Training Center Course: Wetlands: Science and Regulatory Management
December	
December 5-7, 2022 St. Michaels, MD	Environmental Concern Course: Winter Woody Plant ID
December 6-7, 2022 Portage, WI	Wetlands Training Institute, Inc. Course: Problematic Delineation Seminar



Photo Credit: Donna Downing, NAWM

Wetland News Digest

The National Association of Wetland Managers' *Wetland News Digest* (WND) is a monthly compilation of wetland-related stories and announcements submitted by readers and gleaned from listservs, press releases and news sources from throughout the United States. WND chronicles the legislative, national, state and tribal news relevant to wetland science, policy, practice and law. It also links to new publications, tools and resources available to wetland professionals as well as events and training opportunities for those working in water resources and related fields. *Wetland News Digest* (formerly "Wetland Breaking News") has been published for over **fifteen years** and NAWM has been a nationally recognized resource for information on wetland science and policy since 1983.

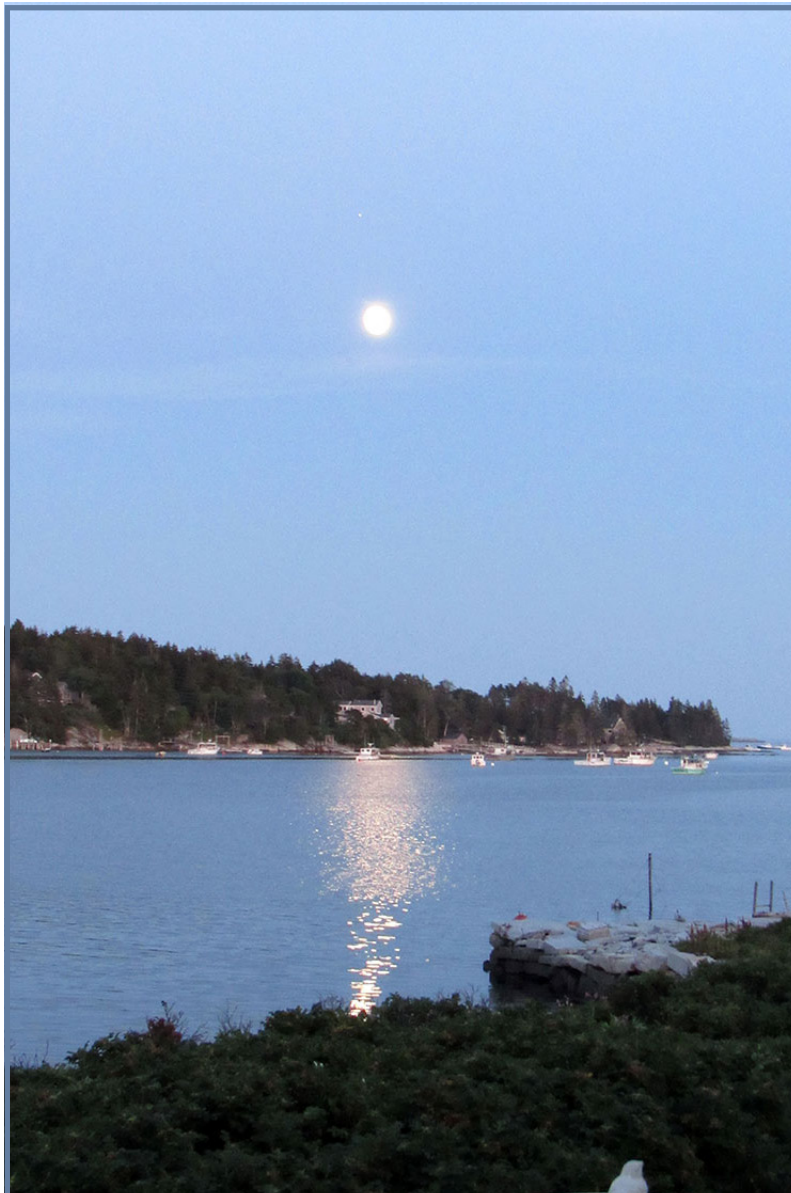


Photo Credit: Marla Stelk, NAWM

The items presented in *Wetland News Digest* do not necessarily reflect the views of the editor or of the National Association of Wetland Managers. Send your news items, comments, corrections, or suggestions to news@nawm.org.

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