



Wetland News Digest

Editor's Note

It's finally here! In early June, EPA published the highly anticipated proposed rule to update the [Clean Water Act Section 401 Water Quality Certification](#) process. The Agency is holding multiple [public engagement sessions](#) and is accepting [public comments](#) through August 8, 2022. The proposed rule eases many restrictions that the 2020 Rule placed on states and other certifying authorities to protect water quality within their jurisdictions. NAWM prepared a [comparison table](#) of key provisions in the 1971 Rule, 2020 Rule, and 2022 proposed rule. More information is available on the [EPA's CWA 401 website](#).

Also keep your eye on what's happening in [Alaska's Bristol Bay](#) -- an area that supports one of the world's most productive salmon populations. EPA has been studying this watershed for two decades and recently updated its proposal to limit dredge/fill material disposal associated with mining the Pebble Deposit. More information is available on [EPA's website](#), and public comments are accepted through July 5.

Finally, coastal wetlands are increasingly the subject of study for a whole host of reasons, including sea level rise and its direct impact to the dense development along our coasts. I highlight one new resource in Editor's Choice: [Recommendations for Reducing Wetland Loss in Coastal Watersheds of the US from the Interagency Coastal Wetlands Workgroup](#). Also check out [Coastal Wetlands Matter](#) and many other stories throughout this issue highlighting efforts to study and maintain coastal wetlands. It makes for a great read while you're recreating near one of our nation's beautiful coasts this summer-- or just pretending you are.

Have a safe summer!

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!

In this Issue

[Editor's Note](#)

[Editor's Choice](#)

[National News](#)

[State and Tribal News](#)

[Wetland Science News](#)

[Resources and Publications](#)

[Potpourri](#)

[Calendar of Events](#)

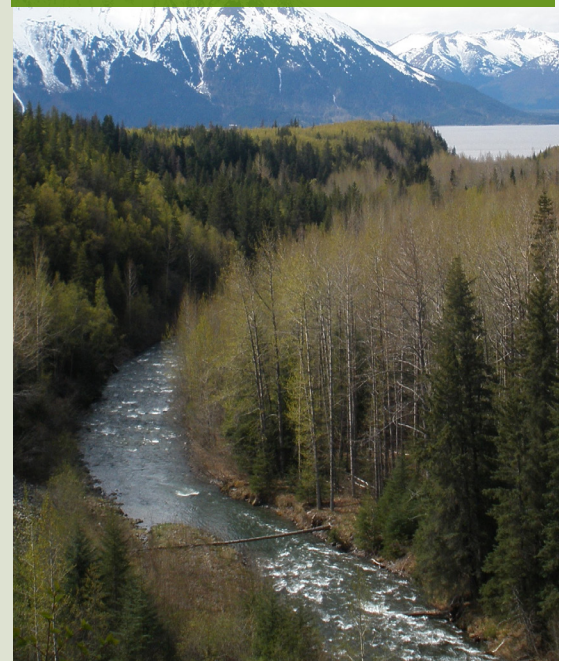


Photo Credit: Audra Martin, NAWM

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: Audra Martin, NAWM

EPA Takes Action to Empower States, Territories, and Tribes to Protect Water Resources and Support Sustainable Development

U.S. Environmental Protection Agency – June 2, 2022

The U.S. Environmental Protection Agency (EPA) announced a proposed rule to update the regulatory requirements for water quality certification under Clean Water Act (CWA) Section 401. This proposed rule would strengthen the authority of states, territories, and Tribes to protect their vital water resources while supporting an efficient, predictable, and common-sense certification process, restoring a long-held right, which was severely limited by the previous administration's rule. [Read more.](#) Available for comment through August 8, 2022.

EPA's Pebble 'veto' won't stop all mining in Alaska's Bristol Bay

By Jael Holzman and Ariel Wittenberg – E&E News – Greenwire – May 27, 2022

EPA's move to ban mining the Pebble deposit in the Bristol Bay watershed this week set off a swirl of questions about whether the proposed Clean Water Act veto could have broader implications for mining in one of the world's premier salmon habitats. But a close look at the agency documents explaining the decision makes it crystal clear: The Pebble veto won't stop mining in Bristol Bay, much less the rest of the Last Frontier. [Read more.](#)

Interagency Coastal Wetlands Workgroup Recommendations for Reducing Wetland Loss in Coastal Watersheds of the United States

U.S. Environmental Protection Agency – June 2, 2022

This document outlines recommended actions for reducing and reversing the loss of wetlands in coastal watersheds. These recommendations can help forge cooperation and build capacity to reduce coastal wetland losses nationwide and are intended for program managers, non-governmental organizations, and government staff (federal, state, tribal, local, and regional) involved in coastal wetland and watershed management. [Read more.](#)

NAWM Members' Webinars

Rights of Wetlands: Learning About Alternative Paradigms Designed to Respond to Climate and Biodiversity Emergencies

Wednesday, July 27, 2022 - 3:00 p.m.-5:00 p.m. ET
(8:00 p.m.-10:00 p.m. BST)

Presenters:



Gillian Davies
BSC Group



Matt Simpson
35 Percent



[More Information](#)

[Register](#)

A Certificate of Attendance to be used toward Continuing Education Credits will be available for this webinar. Free Certificates of Attendance 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.

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

Held Wednesday, May 25, 2022

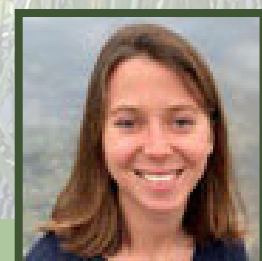
Presenters:



Jennifer Lam
Director, ERG



Diana Pietri
Senior Social Scientist, ERG



Elizabeth Weathers
Junior Analyst, ERGs

Recording Available Soon



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

National News

Draft National Water Program Guidance FY 2023-2024

U.S. Environmental Protection Agency – June 1, 2022

The National Water Program Guidance (NWPG) describes how the EPA, Tribes, states, territories, and non-governmental partners will work together to protect and improve the quality of the nation's waters. For FY 2023-2024, the Office of Water will build on work already begun under President Biden's Executive Orders (E.O.s) 13985: Advancing Racial Equity and Support for Underserved Communities Through the Federal Government and 14008: Tackling the Climate Crisis at Home and Abroad. In addition, the FY 2023-2024 NWPG outlines support for the priorities reflected in the Agency's FY 2022-2026 Strategic Plan.

[Read more](#). Available for comment through **July 14, 2022**.

Department of the Interior Proposes Expanding Conservation Technique as Climate Change Threatens Greater Species Extinction

U.S. Fish and Wildlife Service – June 6, 2022

In the first Endangered Species Act (ESA) interpretive rule produced under the Biden-Harris administration, the U.S. Fish and Wildlife Service is proposing to revise [section 10\(j\)](#) regulations under the ESA to better facilitate recovery by allowing for the introduction of listed species to suitable habitats outside of their historical ranges. The proposed change will help improve the conservation and recovery of imperiled ESA-listed species in the coming decades, as growing impacts from climate change and invasive species cause habitats within their historical ranges to shift and become unsuitable. [Read more](#). Available for comment through **August 8, 2022**.

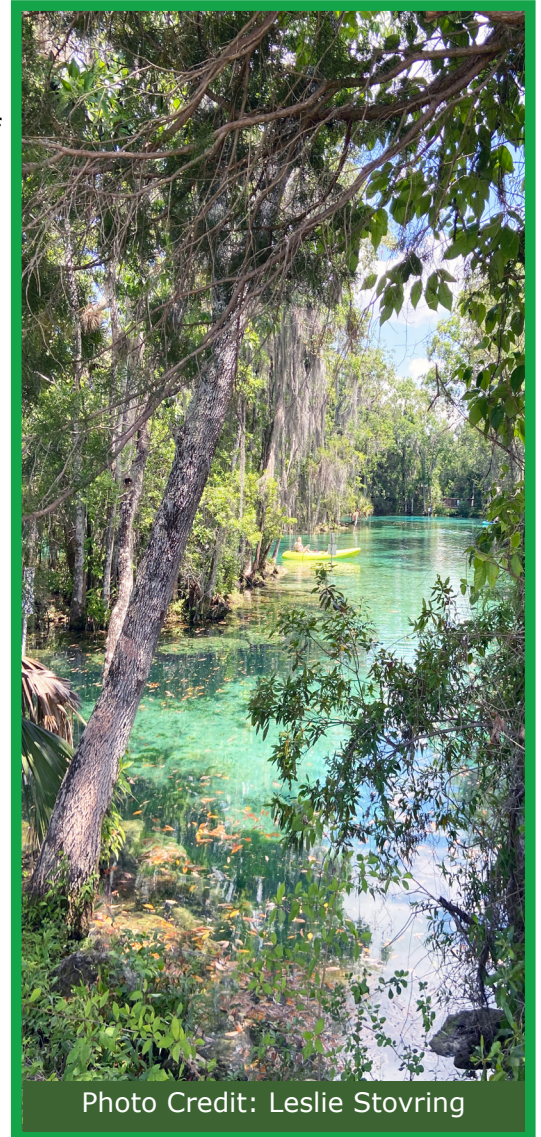


Photo Credit: Leslie Stovring

White House Releases Technical Assistance Guide to Help Communities Unlock Resources from Bipartisan Infrastructure Law

The White House – May 18, 2022

Today, the White House released a Bipartisan Infrastructure Law [technical assistance guide](#) to help state, local, Tribal and territorial governments navigate, access, and deploy infrastructure resources that will build a better America. The Biden Administration has identified over \$700 million in dedicated funding across more than 65 technical assistance programs. In addition to highlighting federal government technical assistance, the White House Infrastructure Implementation Team has engaged with a range of external stakeholders including, philanthropic, labor and nonprofit organizations, to highlight available nongovernmental resources and create a pipeline to assist communities in quickly and equitably accessing and deploying federal infrastructure funding.

[Read more](#).

EPA Announces \$53 Million Investment in the Gulf of Mexico through the Bipartisan Infrastructure Law

U.S. Environmental Protection Agency – May 16, 2022

Today, US Environmental Protection Agency (EPA) Deputy Administrator Janet McCabe announced a \$53 Million investment in the Gulf of Mexico through the Bipartisan Infrastructure Law (BIL). This investment will provide over \$10 million in funding per year through 2026, and will support wetland restoration, stormwater treatment and control, nature-based infrastructure, resilient shorelines, and other initiatives critical to creating a healthy and vibrant Gulf of Mexico. With the BIL funding, the Gulf of Mexico Division's goals are to improve water quality, restore habitats, enhance community resilience, and increase environmental education in underserved communities. [Read more.](#)

More States Want Power to Approve Wetlands Development

By Alex Brown – PEW – May 11, 2022

In 2020, Florida became just the third state—and the first in decades—to take over management of a key federal Clean Water Act program. Now, state rather than federal officials decide whether companies can dredge and fill wetlands and waterways for projects ranging from mining to housing developments to roads and bridges. Several other states are looking to follow suit. They say state agencies can issue permits more efficiently than federal bureaucrats, speeding up crucial projects while still following federal law. [Read more.](#)

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

Held Wednesday, June 15, 2022

Presenters:



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



Mike Jones
Stockbridge-Munsee
Community



Tim Bixler
Missouri Department
of Conservation

Recording Available Soon

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



We invite you to join us for NAWM's Annual State/Tribal/Federal Coordination Meeting, to be held at the National Conservation Training Center (NCTC) from August 15-19, 2022. The purpose of this annual meeting is to support state and tribal wetland program managers, and other wetland professionals as they respond to challenges in the coming year.

- 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

[View Draft Agenda](#)

[Sponsorship Opportunities](#)

Deadline to apply is Friday, July 15th

[Share Your Wetland and Wetland Art Photos](#)

NAWM is looking to celebrate wetland art and photography at the STFC meeting this year! We ask you to submit your wetland-related photography, as well as photos of paintings, sculptures, ceramics, and other forms of art using the following link. What will happen with these images? Specifically, NAWM is planning to run a slideshow of selected images with the title and submitter's name during the breaks at our August meeting at the NCTC. You will also be asked if you approve the use of these images in NAWM publications and on the NAWM website. We encourage you to give NAWM permission to use your photos after the August meeting, but it is not required for your participation in the slideshow shown during breaks.

[To share your photo\(s\), please fill out this form.](#)



[More Information](#)

State and Tribal News

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NAWM
Website**

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[Law & Policy](#)

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[Online Trainings](#)



Photo Credit: Sharon Weaver, NAWM

GA: Agency ruling delivers big setback to Okefenokee mining plan

Spectrum News – Associated Press – June 5, 2022

A federal agency has delivered a big setback to a company's controversial plan to mine near the edge of the Okefenokee Swamp and its vast wildlife refuge. A government memo said Friday that the Army Corps of Engineers is reasserting jurisdiction over Twin Pines Minerals' proposal to mine minerals just outside the Okefenokee, home to the largest U.S. wildlife refuge east of the Mississippi River. [Read more.](#)

MI: Harsens Island conservation targets depleted secretive black tern bird species

By Jack Nissen – May 27, 2022 – FOX 2 Detroit

On Harsens Island, it's not a canary in the coal mine but a tern in the wetland worrying researchers. The black tern, a small marsh bird with short dark legs and a beak as long as its head is a species of concern in Michigan. Over the last 50 years, its population fell more than 98% by 2019. Even as efforts to better understand the species have ramped up, the number of black terns has continued falling. [Read more.](#)

MN: In Minnesota, the PolyMet mine pits renewable energy needs against tribes and the EPA

Diana Kruzman – Grist – May 20, 2022

Northeastern Minnesota's Iron Range has been a major mining hub since the 1860s. Nestled among thick forests and many of the state's famed "10,000 lakes," open-pit mines there produce low-grade iron ore that's shipped to steel mills around the country. But for the last few decades, as the U.S. steel industry has waned and demand for different minerals has grown, multiple companies have proposed something new: hard rock mining, which involves extracting valuable metals from sulfide ores and produces large amounts of acidic waste. One of these, the PolyMet Mining Corporation, has been locked in a battle to open Minnesota's first copper-sulfide mine near the tiny town of Babbitt for over 17 years. The \$1 billion project has been mired in legal challenges almost since its inception. [Read more.](#)

NC: Rising tides and drainage ditches threaten North Carolina's coastal freshwater wetlands

By Zachary Turner – North Carolina Public Radio – June 9, 2022

Greg Rubino drives his elongated spade, called a sharpshooter, into the decaying organic matter of the Pocosin Lakes National Wildlife Refuge. He's a wetland scientist with the North Carolina Division of Water Resources, and once he's dug about a foot underground, past a mat of roots, he reaches into a bed of "real soil" and grabs a sample, crumbling it between his fingers. Partially decomposed organic matter makes up most of the soil in a pocosin — the acidic soil keeps vegetation from fully decomposing, forming peat. [Read more.](#)

SD: Lack of enforcement of regulations allows some South Dakota farmers to illegally convert wetlands to croplands

By: Stu Whitney – South Dakota News Watch – May 17, 2022

Wildlife and water quality in South Dakota are sometimes put at unnecessary risk due to a lack of oversight and accountability of farmers who illegally drain their properties or convert protected wetlands into farmable acreage. In addition, those who violate the law frequently avoid punishment when they are caught or are given "good-faith waivers" by local oversight groups often made up of fellow farmers and neighbors. As a result, South Dakota and other Great Plains states are seeing a continuing decline in wetland areas that are crucial for breeding and hosting of wildlife, including the wetlands that are critical to propagation of South Dakota's lucrative pheasant population. [Read more.](#)

VT: Citizen scientists to assist in tracking vernal pools

By Emma Cotton – VT Digger – May 22, 2022

On the hunt for a set of GPS coordinates, biologists from the Vermont Center for Ecostudies ambled up an untrailed slope of Addison County's Snake Mountain in late April. soon, the group came to a clearing in the trees, cradled between ledges of rock. It held an ephemeral body of water, swollen with snowmelt and April rain, a little longer than a tennis court. Beyond it, a series of other vernal pools sat between the ledges, oases for forest creatures that need water to breed and develop. [Read more.](#)

WI: Rising water makes Lake Michigan wetlands vulnerable to invaders

By Caroline Miller – Great Lakes Echo – May 31, 2022

High water and ice scouring has shifted native wetlands inland and opened a door to invasive species along Wisconsin's Lake Michigan coast. A new study documents the first sighting of the invasive species, European frogbit, in Wisconsin and says that it could threaten native plants, fish and invertebrates. [Read more.](#)

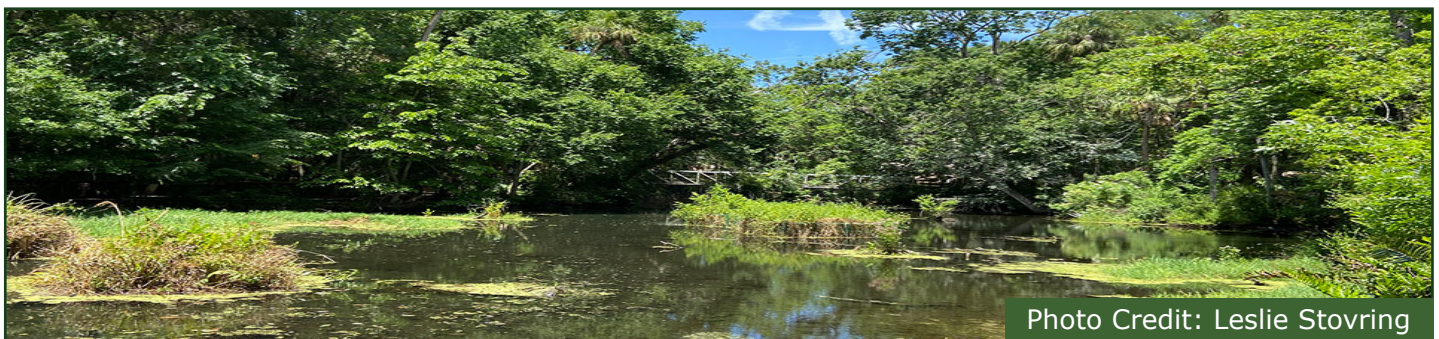


Photo Credit: Leslie Stovring

Recently Recorded NAWM Webinar

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

Held Tuesday, May 24, 2022

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

[View Recording](#)

Share Your Wetland Photos

Thank you for sharing your photos during American Wetlands Month and throughout the year! It's great viewing wetlands from around the nation.

We're always looking for new wetland photos. If you'd like to share your wetland views in our publications and social streams, [submit your photo\(s\) here](#).



Follow NAWM:



Photo Credit: Jennie Skancke, MN DNR; Kristin Szabo, NV Division of Natural Heritage; Tom Douglas, Bayou Preservation Association; David Henderson; Leslie Stovring

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.

For questions, contact Marla Stelk, Executive Director, NAWM at marla@nawm.org.



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**

Wetland Science News

Planting Wetlands Could Help Stave Off Climate Catastrophe

By Jennifer Schmidt – Eos – June 1, 2022

Repopulating forests, planting neighborhood trees, and stopping large-scale logging are popular strategies to offset or reduce carbon emissions. But forests pale in comparison to wetlands' carbon sequestration potential. Peatlands, salt marshes, and other coastal and inland wetlands cover just 1% of Earth's surface, yet they store 20% of our planet's ecosystem carbon, according to new research. [Read more.](#)

Tidal flats are under pressure from urban expansion

By Alison Bosman – Earth.com – May 27, 2022

Tidal flats fringe the edges of coastal areas and are important ecosystems for plant and animal communities, as well as for people. These areas, where the tide rises and falls each day, act as buffer zones between the land and the ocean and can protect coastal communities from the most severe effects of extreme weather events such as hurricanes, tsunamis and floods. However, urban expansion and ever-increasing pressure from human activity threaten the functionality of these tidal ecosystems, and even their very existence, as people seek new places to occupy and build infrastructure. [Read more.](#)

University of Mississippi biologist's findings could have impact on Gulf of Mexico's "Dead Zone"

The Oxford Eagle – May 18, 2022

With funding from U.S. Army Corps of Engineers, biology professor Cliff Ochs and his research team will evaluate the role that backwater lakes and wetlands in the Mississippi River floodplain play in removal of nutrients and production of algae. They also will create a computer model that helps to determine the controlling factors for these processes. [Read more.](#)

For Wetland Plants, Sea-Level Rise Stamps Out Benefits of Higher CO2

Columbia Mailman School of Public Health – May 18, 2022

Wetlands across the globe are in danger of drowning from rising seas. But for decades, scientists held out hope that another aspect of climate change—rising carbon dioxide (CO₂)—could trigger extra plant growth, enabling coastal wetlands to grow fast enough to outpace sea-level rise. That helpful side effect is disappearing, they discovered in a new study in the journal [Science Advances](#). [Read more.](#)



Photo Credit: Sharon Weaver, NAWM

Join or Renew Your NAWM Membership Today

2021 rates have been extended until later this summer!

We've been talking recently about the 2022 NAWM Membership program updates and rate changes.

There's been a small wrench thrown into our plans...

We are still working behind-the-screens to bring you an enhanced Membership portal.

The bad news?

The new 2022 Membership portal will go online a little later this Summer.

The good news?

2021 Membership rates are still available!

Join/Renew

ASAP for the 2021 rates.



Double your membership value with a

2X1 SOCIETY MEMBERSHIP FOR STUDENTS

NAWM is a national nonprofit that builds capacity for states & 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.

Resources and Publications



**Sign Up to
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NAWM
Webinars**

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Photo Credit: Audra Martin, NAWM

Coastal Wetlands Matter

Climate Central – June 8, 2022

June 8, [World Oceans Day](#), is a time to celebrate the oceans that cover more than 70% of our blue planet. Most of us experience the vast global oceans only along the coasts—on beaches or in coastal cities. About 30% of the U.S. population lives in coastal counties. And wetlands are vital to these coastal communities, economies, and ecosystems. Despite occupying a small land area, coastal wetlands provide an estimated \$746 billion of [ecosystem](#) services in the U.S. [Read more.](#)

Detection and characterization of coastal tidal wetland change in the northeastern US using Landsat time series

By Xiucheng Yang, Zhe Zhu, Shi Qiu et al. – ScienceDirect – April 13, 2022

Coastal tidal wetlands are highly altered ecosystems exposed to substantial risk due to widespread and frequent land-use change coupled with sea-level rise, leading to disrupted hydrologic and ecologic functions and ultimately, significant reduction in climate resiliency. Knowing where and when the changes have occurred, and the nature of those changes, is important for coastal communities and natural resource management. [Read more.](#)

Why Colorado Should Evaluate Clean Water Act Section 404 Program Assumption

By John A. Kolanz – Colorado Environmental Law Journal – Volume 33 Issue 1 – 2022

In response to efforts to more narrowly define Clean Water Act jurisdiction, Colorado recently considered creating a dredge and fill permitting program that would operate in addition to the Corps' program to cover certain waters expected to lose federal protection. This article explores reasons the state might experience greater benefit from taking over the entire Section 404 Program from the federal government ("Section 404 Program Assumption"). The article discusses how Section 404 Program Assumption could give the state more control over its water resources, while expediting the permitting process and improving environmental outcomes. The article's author concludes with a recommendation that Colorado conduct a comprehensive stakeholder discussion to reevaluate the merits of Section 404 Program Assumption. [Read more.](#)

Youth Spotlight



Jersey Shore turtle egg rescue brings new life to wetlands with help of kids

NJ.com June – 10, 2022

Seventeen young turtles that had been raised from eggs retrieved from the smashed bodies of mothers killed on roads were released back into the wild by a class of kindergartners in Stone Harbor on Wednesday. [Read more.](#)

Youth find hope restoring Rio Grande wetlands threatened by climate change

By Javier Gallegos – Youth Today – June 2, 2022

La Mancha Wetland Park in Las Cruces, Mexico, is a cool oasis in the spring heat of the surrounding desert for the beavers, turtles and birds that frolic in its waters and willow trees. The park, which is connected to the Rio Grande, is also a refuge for the young people who have dedicated themselves to restoring and managing an ecosystem under threat from climate change. [Read more.](#)

'Youth have stories to tell': Iowa City fifth-graders write about the environment in new program

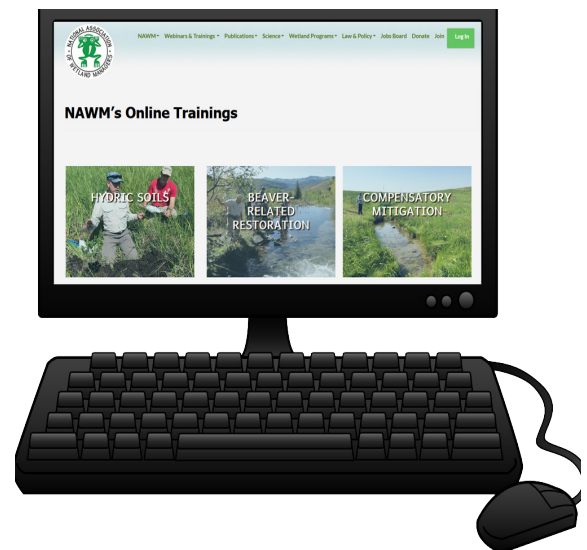
By Paris Barraza – Iowa City Press-Citizen – May 22, 2022

At the edge of the pond a group of fifth-graders huddled around a bucket, peering at the different critters and shells they'd scooped from the water. The students were tasked with exploring the wetlands on a field trip in early May. [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.



Potpourri

Saving the salt marsh: Volunteers undoing centuries of human activity

By Dustin Luca – The Salem News – May 26, 2022

Geoff Wilson stood along the edge of a ditch a few hundred feet into the Great Salt Marsh by Crane Beach on Tuesday, looking into a path filled with water, wooden stakes and twine. Roughly 100 feet from him, a few volunteers packed recently cut marsh grass into an empty ditch that fills with water each high tide. [Read more.](#)

'It matters ... when your water goes away': Reexamining the end of Utah's 'lost oasis'

By Carter Williams – The Salt Lake Tribune – May 12, 2022

Daron Duke is captivated by an image he has projected on a screen. It is a pair of pictures in northwest Utah. One is a relatively small wetland while the other looks like it could be from the surface of the moon. This, he says, essentially captures the vast difference of some 10,000 years in what is Utah's West Desert today, although it is difficult to really picture the kind of place the West Desert once was. [Read more.](#)

Drowning in dirt: How homebuilders are making floods worse

By Daniel Cusick – E&E News – May 9, 2022

The soul of this Florida Panhandle city lives in the Tanyard, a 200-year-old neighborhood so steeped in history that locals give it an extra capital "T" — as in "The Tanyard." It has also seen big-T troubles: Jim Crow-era segregation, heavy industrialization, multiple hurricane batterings, and a half-century of disinvestment and blight. Yet its latest challenge is like none before. The Tanyard is at risk of drowning — if not by flood then by fill dirt. [Read more.](#)

Tea bags used for out of the box science experiment in Nelson

By Jessica Roden – 1 News – May 27, 2022

In Nelson residents have turned into citizen scientists for an out of the box experiment to see how well wetlands store carbon. In December last year, 960 tea bags were planted by volunteers in Nelson estuaries as part of a global study looking at how much they decomposed. The more decomposed the teabags are, the more carbon they released. [Read more.](#)

Grant Opportunities

[North American Wetlands Conservation Act \(NAWCA\) 2023-2 US Standard Grants](#)

U.S. Fish and Wildlife Service
No.: F23AS00009
Apply by July 8, 2022

[Wisconsin Wetland Restoration and Management Assistance](#)

USDA Natural Resources
Conservation Service Grant No.:
WWRMA-22-NOFO000114
Apply by July 14, 2022



Photo Credit: Sharon Weaver, NAWM

NAWM Jobs Board

[Postdoc Scholar - Urban Forestry, Ecology & Climate Change Science](#)

University of California Davis
Review: September 30, 2022

[Senior Scientific Specialist or Assistant Research Scientist, Wetland Plant Ecology Illinois Natural History Survey](#)

Prairie Research Institute,
University of Illinois
Apply by July 6, 2022

[Visiting Scientific Specialist, Wetlands Geology](#)

Prairie Research Institute,
University of Illinois
Apply by July 6, 2022



**Visit the
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[Biological Science Technician](#)

U.S. Fish and Wildlife Service
Sudbury, MA
Apply by June 27, 2022

[Fish and Wildlife Technician \(Wildlife Technician\)](#)

Texas Parks and Wildlife Dept.
Port O'Connor, TX
Apply by July 13, 2022

[Environmental Scientist II](#)

King County Dept. of
Environmental Services
Seattle, WA
Apply by July 3, 2022

Photo Credit: Tom Douglas,
Bayou Preservation Association

Podcasts

Penn State Institutes of Energy and the Environment Podcast: [Growing Impact: A cache of coastal carbon](#)

Mongabay Podcast: [Indigenous bioacoustics listens to the land for conservation and tradition](#)

Prairie Rivers Network Podcast: [Rivers at a Crossroads](#)

Circle of Blue Podcast: [What's Up With Water](#)

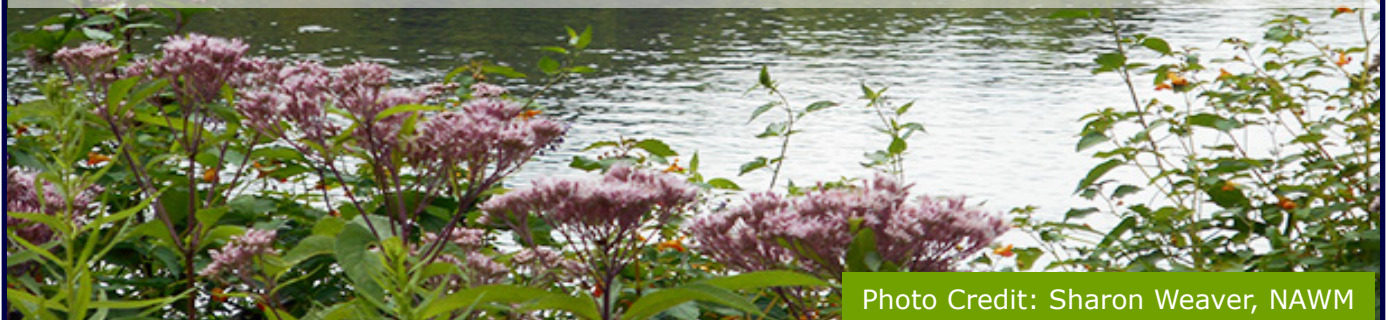


Photo Credit: Sharon Weaver, NAWM

Calendar of Events

WEBINARS

June

June 29, 2022 12:00 p.m. EDT	PennState Extension Webinar: Water Cooler Talk: Aquatic Invasive Species in Pennsylvania
June 30, 2022 1:00 p.m. EDT	USDA NRCS Webinar: NRCS and Streambank Soil Bio-engineering

July

July 8, 2022 11:30 a.m. EDT	Wisconsin Wetlands Association Wetland Coffee Break Webinar: Upper Mississippi River restoration history: From dam planning to partnership success
July 13, 2022 12:00 p.m. EDT	Society for Ecological Restoration Webinar: An Indigenous Framework to Guide Research & Restoration in Fire-adapted Landscapes
July 21, 2022 3:00 p.m. EDT	National Association of Wetland Managers: Hot Topics Webinar: MARSH is Coming! Learn More about the New Mentorship Assisted Resource & Support Hub
July 27, 2022 10:00 a.m. EDT	Society for Ecological Restoration Webinar: Planning Makes Perfect - First Wetland Mitigation Bank in New York City Serves the Critical Needs of a Growing City
July 27, 2022 3:00 p.m. EDT	National Association of Wetland Managers: Members' Webinar: Rights of Wetlands: Learning About Alternative Paradigms Designed to Respond to Climate and Biodiversity Emergencies

CONFERENCES/EVENTS

June

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 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 8-11, 2022
Milwaukee, WI & Online

Institute for Tribal Environmental Professions: [Tribal Lands and Environment Forum](#)

August 14-19, 2022
Montreal, Quebec, Canada

Ecological Society of America Annual Meeting: [A Change is Gonna Come](#)

August 15-19, 2022
Shepherdstown, WV

National Association of Wetland Managers Annual State/Tribal/Federal Coordination Meeting: [Protecting Waters in a Time of Rapid Change](#)

August 18-19 2022
Lawrence, KS

Kansas Alliance for Wetlands and Streams, Inc.: [Wetlands & Streams Tour and Symposium](#)

August 28-
September 2, 2022
Geneva, Switzerland

[INTECOL 2022: Frontiers in Ecology: Science and Society](#)

August 29-
September 1, 2022
St. Paul, MN

Institute for Tribal Environmental Professionals: [National Tribal & Indigenous Climate Conference](#)

September	
September 5-9, 2022 Alicante, Spain	Society for Ecological Restoration 13th European Conference: Restoring Nature, Reconnecting People
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 19-23, 2022 Chicago, IL	AWCA: 2022 Water Quality Modeling Workshop
September 19-25, 2022 New York, NY	Climate Week
September 21-22, 2022 Port Aransas, TX	University of Texas Marine Science Institute: Texas Bays and Estuaries Meeting
September 26-30 2022 Burgenland, Austria	2020 Jackson Wild Summit: Regeneration
October	
October 3-7, 2022 Virtual & New York, NY	American Museum of Natural History: Student Conference on Conservation Science-New York
October 9-16, 2022 Toronto, Ontario, Canada	International Migration & Environmental Film Festival
October 10-12, 2022 Albuquerque, NM	Southwest Climate Adaptation Science Center: Southwest Adaptation Forum
October 23-28, 2022 Albany, NY	NEIWGCC: 11th U.S. Symposium on Harmful Algae
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 10-11, 2022 Fulton, MD	Centre for Watershed Protection: Coastal & Island Symposium
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
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TRAINING COURSES

July

July 10-16 2022 Steuben, ME	Eagle Hill Institute Training Course: Wetland Identification, Delineation, and Ecology Discount is offered to NAWM Members
July 10-16 2022 Steuben, ME	Eagle Hill Institute Training Course: Grass Identification: An In-depth Review Discount is offered to NAWM Members
July 14-15 2022 Online	Rutgers Office of Continuing Professional Education Course: Introduction to Wetland Identification
July 29-30, 2022 Milwaukee, WI	University of Wisconsin Course: Wetland Delineation



Photo Credit: Audra Martin, NAWM

August	
August 1-3, 2022 Online	Rutgers Office of Continuing Professional Education Course: Vegetation Identification for Wetland Delineation: South
August 9-12, 2022 Portage, WI	Wetlands Training Institute, Inc. Course: Plant Identification for Wetland Delineators
August 11-12, 2022 Live Remote, WA - 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 13-16, 2022 Dupage County, IL	IWEER Course: Wetland Delineation: Corps Manual and Regional Supplement
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, WA - 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

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 twenty years and NAWM has been a nationally recognized resource for information on wetland science and policy since 1983.

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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Photo Credit: Tom Douglas, Bayou Preservation Association