



Wetland News Digest

Editor's Note

The wildfires, extreme drought, record-breaking heat, and flooding affecting areas across the nation (and beyond) this past month has me thinking about climate. Coincidentally, the "[Inflation Reduction Act](#)" (signed into law Tuesday, August 16), includes \$369 billion in climate and clean energy investments, with \$4 billion in drought response funds (along with many other provisions I didn't expect based on the bill's name).

With our feet (literally) to the fire to address climate impacts, I am hopeful to see more instances of [tribal inclusion in water management decision-making](#). Additionally, for tribes wishing to develop or refine their wetland programs, the application period for [Tribal Wetland Program Development Grants](#) is now open.

A critical water resource protection tool for many states and tribes is the Clean Water Act 401 Certification Rule. Last week, NAWM submitted a [comment letter](#) on EPA's proposed 401 Certification Improvement Rule. The proposed rule provides states and authorized tribes a role in defining the period of time in which to respond to a certification request and appropriately broadens the scope of certification analysis, which was narrowed in the 2020 rule.

It's a beautiful time of year to enjoy a wetland!

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: Audra Martin, NAWM

Editor's Choice

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: Sharon Weaver, NAWM

Here's what's in the Inflation Reduction Act, the sweeping bill impacting health, climate and taxes

The Hill – August 12, 2022

The House on Friday afternoon is expected to approve the Inflation Reduction Act, sending a top Democratic legislative priority to the White House in a significant victory for President Biden. This includes measures to address energy and climate as well as major changes to the tax code and to health care. [Read more.](#)

Tribes play a greater role as drought complicates water management

By Debra Utacia Krol – Arizona Republic – azcentral – August 8, 2022

As some Arizona tribes secure water allocations, they and other tribal communities now face a new threat: two decades of drought and worsening effects of climate change that already have altered the landscape across Arizona and the Southwest. Alongside their non-Native neighbors, Indigenous peoples are struggling with dying crops, decreasing numbers of culturally-important plants like Emory oaks and basketry plants, and uncertain water supplies. [Read more.](#)

Tribal Wetland Program Development Grant Request for Applications

U.S. Environmental Protection Agency
In this Request for Applications (RFA) the U.S. Environmental Protection Agency is soliciting applications from eligible applicants to develop or refine tribal wetland programs as described in Section I, FUNDING OPPORTUNITY DESCRIPTION. These tribal Wetland Program Development Grants (WPDGs) assist tribal government agencies and intertribal entities in developing or refining tribal programs which protect, manage, and restore wetlands. The primary focus of these grants is to develop/refine tribal wetland programs. [Read more.](#) Applications due by October 7, 2022; 11:59 p.m. ET. [Full application.](#)

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



For the first time this decade, our NAWM Annual State/Tribal/Federal Coordination Meeting has returned to the National Conservation Training Center (NCTC). Our wetland community is currently meeting in person and virtually, with the purpose to support state and tribal wetland program managers, and other wetland professionals as they respond to challenges in the coming year.

Stay tuned to future editions of *Wetland News Digest* and our other publications to learn about our 2023 Annual Meeting dates.



**Congratulations to
Linda Storm
Wetland and Aquatic Ecologist
U.S. Environmental Protection Agency**

**Linda is the recipient of
NAWM's 2022 Distinguished Service Award!**



Marla Stelk, Executive Director of NAWM congratulates Linda Storm on her much deserved award.

National News

U.S. Fish and Wildlife Service Seeks Input on Conservation Banking Rules

By Sara Greenberg – JD Supra – July 28, 2022

On July 27, 2022, the U.S. Fish and Wildlife Service [published](#) an advance notice of proposed rulemaking (ANPR) seeking comment on species conservation banking. Species conservation banking gives developers and other entities the opportunity to mitigate potential harm to wildlife by allowing them to purchase habitat or species credits from bank owners. [Read more.](#)

Service Rescinds Endangered Species Act Critical Habitat Exclusion Regulations

U.S. Fish and Wildlife Service – July 20, 2022

To better fulfill the conservation purposes of the Endangered Species Act (ESA), the U.S. Fish and Wildlife Service is rescinding regulations from 2020 that changed the process for excluding areas from critical habitat designations under section 4(b)(2) of the ESA. This action restores the Secretary of the Interior's discretion to determine how and when to exclude areas from critical habitat designations and the Service's role as the expert agency responsible for administering the ESA. [Read more.](#)

USDA Increases Funding for Partnerships to Safeguard, Restore Wetland Ecosystems

USDA Natural Resources Conservation Service

The U.S. Department of Agriculture (USDA) is investing up to \$20 million in fiscal 2023 to help conservation partners nationwide protect and restore critical wetlands through the Wetland Reserve Enhancement Partnership (WREP). USDA's Natural Resources Conservation Service (NRCS) is prioritizing proposals that support efforts to mitigate climate change by restoring wetlands while also prioritizing assistance to underserved communities. Last year, NRCS funded \$11 million in partnerships. Proposals from partners are due September 23, 2022. [Read more.](#)

Biden-Harris Administration Launches Public Process to Inform Development of Environmental Justice Scorecard, First-ever Tool to Assess Government-Wide Progress on Environmental Justice

The White House – August 3, 2022

Today, the White House Council on Environmental Quality (CEQ) is taking a next step in the development of the Biden-Harris Administration's Environmental Justice Scorecard, a first-of-its-kind tool that will assess progress Federal agencies are making to advance environmental justice, including through the [Justice40 Initiative](#). CEQ and the Office of Management and Budget (OMB) are seeking input on the Environmental Justice Scorecard through a request for information (RFI) that is now available in the [Federal Register](#). [Read more.](#)



Photo Credit: ncwetlands.org

NAWM Members' Only Webinar

Recent Changes to New York's Freshwater Wetlands Act: Lessons Learned from Turning a Decades Long Dream into a Whole Lot of Work

Wednesday, September 28, 2022 - 3:00 p.m.-4:30 p.m. ET

Presenter:

Roy (J.R.) Jacobson

New York Department of Environmental Conservation



More Information

**Not a member?
Join/Renew**

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](#). 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' Recorded Webinar Available Soon

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

Held Wednesday, July 27, 2022

Presenters:

Gillian Davies
BSC Group



Matt Simpson
35 Percent



To view the members' webinar when available, please login to your [Members' Portal](#) and go to Video Library. 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](#).

State and Tribal News

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Photo Credit: ncwetlands.org

CA: Developers destroyed this forgotten wetland in Tahoe. Can scientists save what's left?

By Julie Brown – SFGATE – July 30, 2022

A nearly 600-acre wetland sits at the southernmost end of [Lake Tahoe](#). It's where Tahoe's two largest tributaries — the Upper Truckee River and Trout Creek — meet and mingle amid tall grasses and willows before flowing into the lake. This wetland might not look like much, but it's critical to the health of Lake Tahoe's environment. [Read more.](#)

CO: Inside the Denver Zoo's Effort to Save Colorado's Rare Boreal Toad

By Fiona Murphy – 5280 – July 21, 2022

On a misty day in June, a small group of biologists conservationists, and filmmakers trek along a narrow, muddy path in a high alpine wetland in Pitkin County, Colorado. For nearly seven months, the Denver Zoo and Colorado Parks and Wildlife (CPW) have [worked together to breed boreal toads](#), a high-elevation species native to Colorado, and to release their offspring into the wild. On June 28, that group of toad experts completed the months-long project by gently pushing 570 tadpoles from fish bags into their natural habitat to audible cheers. [Read more.](#)

IL: Endangered Blanding's Turtles Given Head Start on Survival Before Cook County Forest Preserve Release

By Patty Wetli – WTTO News – July 25, 2022

It takes a village to raise a turtle these days. When 11 baby Blanding's turtles — a state-listed [endangered species](#) — were recently released into the swampy waters of a Cook County forest preserve wetland, they were cheered on by no fewer than a dozen people who'd had a hand in either fostering the little ones' development or in restoring the turtle's habitat. [Read more.](#)

LA: Louisiana works on a multi-million-dollar plan to reclaim some of the wetlands Hurricane Ida destroyed

By John Snell – Fox8Live – July 6, 2022

The sun bursts over the horizon just after 6 a.m. as charter boat captain Mike Guidry steers away from the dock in Galliano. He points to a pole sitting in mostly open water a couple hundred yards in the distance. "At one time, that pole right there was the only way to get in here. There was just enough land to pass the boat." Today, it is flanked by just a few patches of land, and mostly, open water. Guidry knows these waters like a map is imprinted on his brain. Yet, in the days after Hurricane Ida tore up the marsh and rearranged the wetlands, he nearly got lost here. [Read more.](#)

OH: A snapshot of the Rare Native Ohio Plants Status List

By Jim McCormac – The Columbus Dispatch – July 16, 2022

About 1,800 species of [native plants](#) have been found in Ohio. This ornate botanical tapestry forms the underpinnings of ecological communities, and as such, bears close watch. Plants are the building blocks that transfer energy into much of the animal world, and most animals that we see and enjoy depend upon them either directly or indirectly. [Read more.](#)

OK: Oklahoma Wildlife Department wants to learn more about alligators

By Ed Godfrey – The Oklahoman – July 18, 2022

State wildlife officials want to learn more about alligators in Oklahoma. The [Oklahoma Department of Wildlife Conservation](#) recently announced it is partnering with Southeastern Oklahoma State University in Durant and Southwestern Adventist University in Keene, Texas, on a two-year research study of alligators in southeast Oklahoma. [Read more.](#)

TX: Water is critical to restore the Rio Grande ecosystem at Rio Bosque

By Martha Pskowski – El Paso Matters – August 2, 2022

Rio Bosque Wetlands Park manager John Sproul opened the spigot of a collapsible water tank in the bed of his pickup truck. Sproul and his colleague Sergio Samaniego filled buckets to water saplings they had planted last winter in the park on El Paso's south-eastern edge. It was early June and the Goodding willows and Rio Grande cottonwoods were parched. But if the plants could just survive a few more days, they would make it. [Read more.](#)

TX: A green solution to a green problem': Manmade wetlands get green light at Mitchell Lake

By Lindsey Carnett – San Antonio Report – July 25, 2022

When Gregg Eckhardt pitched the idea of cleaning up the banks of Mitchell Lake with manmade wetlands more than two-and-a-half decades ago, he wasn't sure he'd ever see the project actually take off. The formerly very stinky site on the South Side between Texas A&M University-San Antonio and the Mission del Lago golf course was once a spot where the City of San Antonio stored raw sewage, then later partly treated sewage to use in irrigation. [Read more.](#)

Pamunkey Indian Tribe and Chickahominy Indian Tribe: VCU Rice Rivers Center provides environmental expertise to Pamunkey, Chickahominy Tribes to help protect their lands

By Brian McNeill – VCU News – July 18, 2022

The [Virginia Commonwealth University Rice Rivers Center](#) has long interacted with Tribal nations located in Virginia. Stephen R. Adkins, chief of the [Chickahominy Indian Tribe](#), has served on the center's board for 15 years, and he traveled to England with a Rice Rivers Center researcher to share their findings about restoring sturgeon to the James River. And Rice Rivers Center faculty have over the years provided advice to Tribes on environmental projects such as how to control invasive plants. [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.



Mentor applications are now open!

APPLY BY SEPTEMBER 9
bit.ly/MARSHApp_Mentor

RECORDED HOT TOPICS WEBINAR

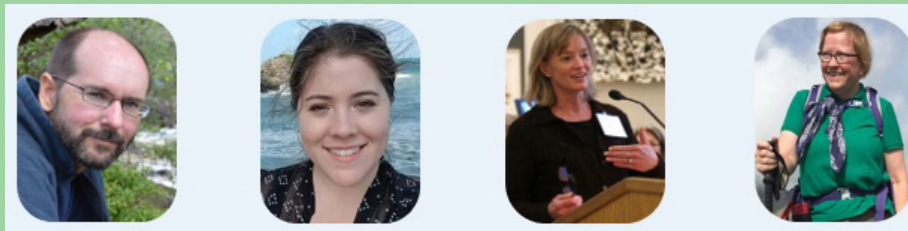
MARSH is Coming!

Learn more about the new Mentorship Assisted Resource & Support Hub

Held Thursday, July 21, 2022

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



[Information and Recording](#)

NAWM Membership Join or Renew



Photo Credit: USFWS

Help Support Our Nation's Wetlands

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.

Wetland Science News

Smithsonian scientists work to save Maryland's marshes and beyond

By Joel McCord – WYPR – Baltimore Fishbowl – July 12, 2022

The Chesapeake Bay's marshes have been called the lungs of the bay. They provide habitat for fish and waterfowl. The marshes clean polluted bay waters and slow the power of floods and storms. That's why the scientists at the Smithsonian Environmental Research Center are studying how to preserve marshes in face of rising sea levels prompted by climate change. [Read more.](#)

Plant diversity reduces satellite-observed phenological variability in wetlands at a national scale

By Iryna Dronova, Sophie Taddeo, and Kendall Harris – Science Advances – July 22, 2022

Plant diversity may enhance stability of ecosystem function and its satellite-derived indicators. However, its potential to stabilize phenology, or seasonal changes in plant function, is little understood, especially in understudied systems with high biodiversity potential such as wetlands. [Read more.](#)

Atmospheric Rivers Help Coastal Wetlands Build Up Sediment

By Alexandra K. Scammell – Eos – July 13, 2022

Extreme precipitation from hurricanes and atmospheric rivers can lead to increased flooding in the world's coastal zones, where more than 630 million people reside. Tidal marshes act as important buffers in these areas, absorbing the initial impact of storm surges and strong winds. In addition, tidal marsh ecosystems rely on storm events to deposit sediments that help with marsh accretion. In a new study, *Thorne et al.* focused on tidal marsh accretion and elevation change in the [San Francisco Bay](#) after an atmospheric river event in 2016-2017. [Read more.](#)

Cornell Ag Connection: Controlling an invasive plant without herbicides

By Richard Gast – Press-Republican – August 14, 2022

Invasive species are plants, animals, fungi or microorganisms that spread rapidly and cause harm to other species. They are introduced species that can thrive in areas beyond their natural range of dispersal. Characteristically, invasive plant species are adaptable, aggressive and usually lacking natural enemies that can limit their growth and populations. [Read more.](#)

Scientists studying how wetlands can help Lake Erie

By Tom Jackson – Sandusky Register – July 11, 2022

Scientists in Ohio are studying how construction and restoration of wetlands can help enhance clean water in Ohio, including the effort to reduce harmful algal blooms in Lake Erie. Wetlands construction is one of the key components of the H2Ohio, the DeWine administration's name for its clean water efforts, which are focusing on reducing the runoff of phosphorus into Lake Erie to reduce the size of the annual summer harmful algal blooms. [Read more.](#)

Wetland Photos

We are 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.](#)

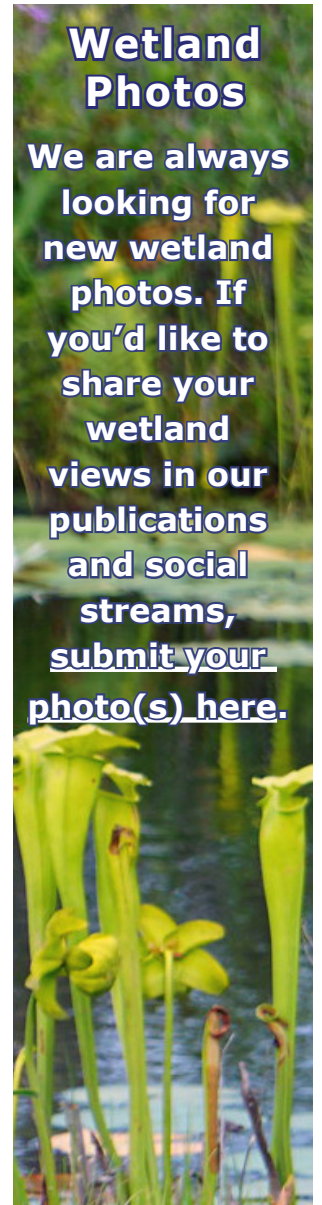


Photo Credit:
ncwetlands.org

Coming Soon to an online device near you!

NAWM offers free, online training modules in [Hydric Soils, Beaver-Related Restoration, and Compensatory Mitigation](#). A fourth training series is also available to view and build knowledge: NRCS Conservation Planners Training Webinars (a series of nine webinars).

Coming soon – online quizzes for each NRCS module to advance towards earning Certificates of Completion.

A Certificate of Completion is available after successfully completing the training and quiz. Certificates are free to [NAWM members](#) and available to non-members for a fee.

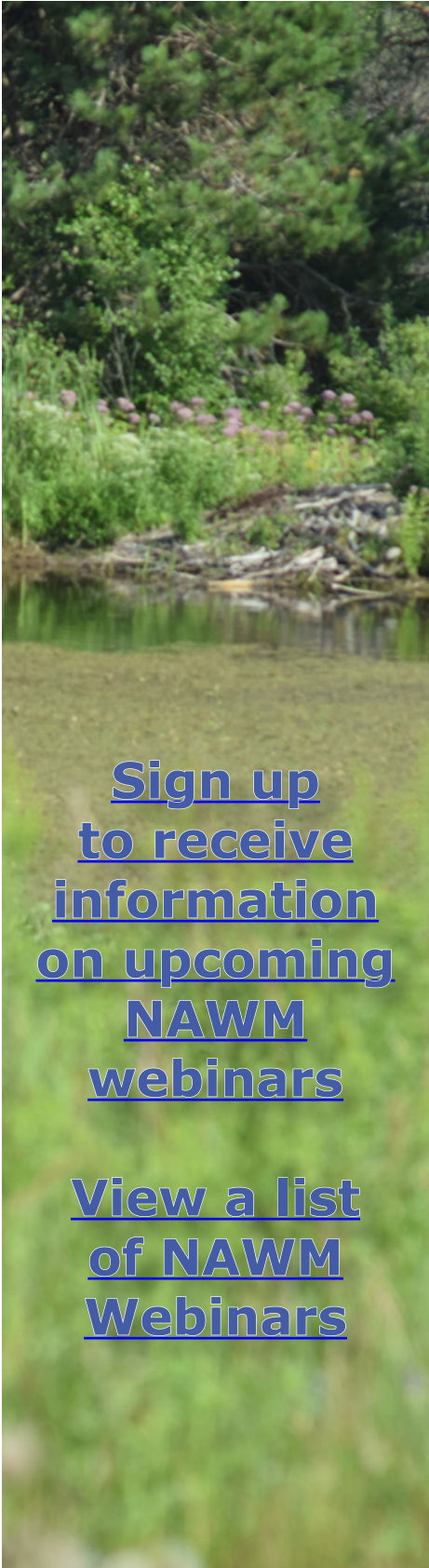


EPA Kicks Off Tour of Iconic Waters, Celebrating the 50th Anniversary of the Clean Water Act

On August 5, 2022 at an event in Seattle, Washington, U.S. Environmental Protection Agency (EPA) Assistant Administrator for Water Radhika Fox joined EPA Regional Administrator for the Pacific Northwest Casey Sixkiller, Washington Department of Ecology Director Laura Watson and local leaders to kick off the 50th Anniversary of the Clean Water Act celebration tour.

“When Congress passed the Clean Water Act in 1972—with an overwhelming bipartisan majority—it charted a new path for America’s waters. As a result, we have seen transformational progress over the last 50 years—waters that were once polluted are now fishable and swimmable,” said EPA Assistant Administrator for Water Radhika Fox. “President Biden and Congress have laid the foundation for the next 50 years of progress by investing \$50 billion in EPA’s water programs through the Bipartisan Infrastructure Law.” [Read more.](#)

Resources and Publications



[Sign up to receive information on upcoming NAWM webinars](#)

[View a list of NAWM Webinars](#)

Photo Credit:
Sharon Weaver, NAWM

As sea levels rise on U.S. coasts, saline wetlands are expected to displace freshwater wetlands, croplands, forests and pastures

Contacts: Michael Johannes Osland, Ph.D. and Casey Knapp – U.S. Geological Survey – July 14, 2022

A new study of 166 estuaries on all three U.S. continental coastlines, led by the U.S. Geological Survey, is the first to quantify and compare how rapid sea-level rise will drive landward migration of coastal wetlands on the Pacific, Atlantic, and Gulf coasts in the coming decades. The findings illustrate how the movement of coastal wetlands – which are among the world’s most valued ecosystems – will drive ecological shifts under accelerated sea-level rise. [Read more.](#)

The full study, “[Migration and transformation of coastal wetlands in response to rising seas](#),” is available in the journal *Science Advances*.

Funding Opportunities

[Maryland’s Chesapeake and Coastal Grants Gateway](#)

Maryland Department of Natural Resources
Closes: September 16, 2022; 11:59 p.m. ET

[Bipartisan Infrastructure Law \(BIL\) - San Francisco Bay Water Quality Improvement Fund, Fiscal Year 2022](#)

U.S. Environmental Protection Agency Region 9
Closes: September 20, 2022

[San Francisco Bay Water Quality Improvement Fund, FY2022](#)

U.S. Environmental Protection Agency Region 9
Closes: September 20, 2022

[Fiscal Year 2022 Tribal Wetland Program Development Grants](#)

U.S. Environmental Protection Agency
Closes: October 7, 2022

[NRCS’s Wetland Mitigation Banking Program for Federal Fiscal Year 2022](#)

USDA Natural Resources Conservation Service
Closes: October 10, 2022; 11:59 p.m. ET

[NAWCA \(North American Wetlands Conservation Act\) 2023 US Small Grants](#)

U.S. Fish and Wildlife Service
Closes: October 13, 2022; Electronically 11:59 p.m. ET

Potpourri

Nature-Based Solutions 2.0: Show Me the Money

By John Sabo – Forbes – August 1, 2022

Nature-based solutions (NBS) – like planting mangroves to reduce storm surges, planting trees to soak up atmospheric carbon or building wetlands to soak up and gradually release floodwaters – have great potential to deliver sustainability at scale to the planet. For instance, according to one estimate, [NBS could provide 37% of the emissions mitigation needed until 2030](#) to achieve the targets of the [Paris Agreement](#). [Read more](#).

Using Beavers to Restore Wetlands in the National Park System

By Kurt Repanshek – National Parks Traveler – August 3, 2022

Beavers fueled an 18th and 19th century rush to the western half of North America by mountain men, and veered towards extinction due to that, before making a comeback in the 20th century. Today, while many communities view the rodents as nuisances that dam creeks and chew down trees, the National Park Service is turning to these ecological engineers to revive wetlands in the National Park System. [Read more](#).

Onondaga Nation to regain 1,000 acres of New York forest in historic agreement

By Zoe Sottile – CNN – July 2, 2022

The Onondaga Nation is set to regain over 1,000 acres of ancestral land in central New York in what the Department of Interior calls “one of the largest returns of land to an Indigenous nation by a state.” “This historic agreement represents a unique opportunity to return traditional homelands back to Indigenous people to steward for the benefit of their community,” said Secretary of the Interior Deb Haaland in a [Wednesday news release](#). [Read more](#).

Utah ranch recognized nationally for environmental stewardship

AGDAILY – July 28, 2022

The National Cattlemen’s Beef Association awarded Utah ranch [JY Ferry & Son Inc](#) with the 2022 [National Environmental Stewardship Award](#) at the association’s annual summer business meeting. Honored for outstanding environmental stewardship, the Ferry family has a 100-year history of conservation tactics that focus on water conservation, energy, and [protecting natural resources](#). John Ferry is a fourth-generation rancher on his family operation who raises corn, silage, and other cash crops. [Read more](#).

Arctic warming up to four times as fast as global average: study

By Zack Budryk – The Hill – August 11, 2022

The Arctic is warming at a more rapid pace than previously thought — and four times faster than the world at large, according to [research published Thursday](#) in the journal Communications Earth & Environment. Between 1979 and 2021, the Arctic warmed about four times as fast as the global average, significantly more than previous estimates of two or three times as fast, researchers found. [Read more](#).

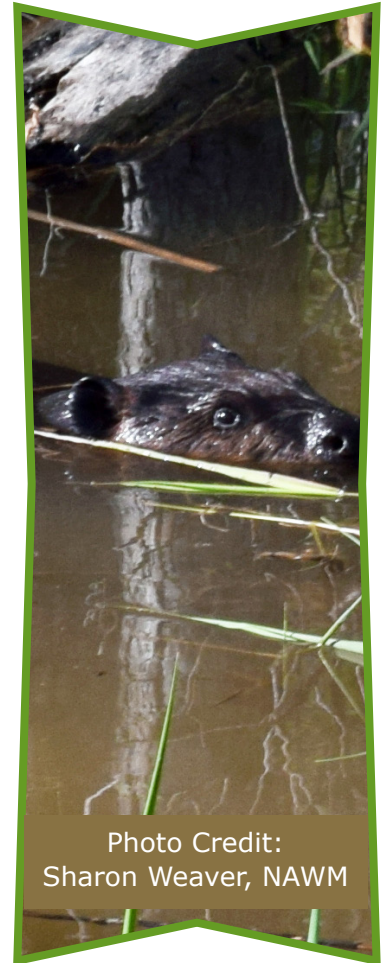


Photo Credit:
Sharon Weaver, NAWM

NAWM Jobs Board

[PhD Position -- Nature based solutions and coastal resilience](#)

The University of Alabama
Open until filled.

[Coastal Resiliency Supervisor](#)

California Coastal Commission
San Francisco County, CA
Open until filled.

[Post-Doctoral Research Associate - Wetlands Wildlife Ecology](#)

Michigan State University
Apply by September 16, 2022

[Regional Biologist: Grazing Programs-Minnesota](#)

Ducks Unlimited
Great Lakes/Atlantic Region
Thief River Falls, MN

[Mendenhall Research Fellowship Program: Ecophysiology of algal blooms](#)

USGS Columbia Environmental
Research Center
Columbia Missouri
Closes: November 1, 2022

[Tenure Track Assistant Professor Position - Conservation Ecologist](#)

Binghamton University
Binghamton, NY
Review begins December 1, 2022

[EPA Postdoctoral Fellowship for Developing Isotopic Indicators to Assess Wetlands as Nitrogen Processing Hotspots](#)

U.S. Environmental Protection Agency
Corvallis, OR
Apply by November 14, 2022

[Natural Resource Specialist 2/NRS1 In-Training](#)

Washington Dept. of Natural Resources
Multiple Locations - Western
Washington, WA
Apply by September 4, 2022

[Visit the NAWM Jobs Board](#)

Podcasts

Climate Adaptation Knowledge Exchange: Come Rain or Shine Podcast - [Assessing Climate Change Vulnerability of Navajo Nation Forests](#)

JD Supra Podcast: [What's in a Wetland - An Overview of Federal and State Developments in Defining Jurisdictional Wetlands](#)

Ducks Unlimited Canada Podcast: [Wetlands, Disasters, and the resilience of our planet](#)

Calendar of Events

WEBINARS

September

September 9, 2022 10:30 a.m.	Wisconsin Wetlands Association Wetland Coffee Break: Northern pike life history along Green Bay's west shore
September 13, 2022 6:00 p.m. EDT	Society for Ecological Restoration Webinar: Lessons From Development of an Australian Blue Carbon Accounting Method for Restoration of Coastal Wetlands
September 21, 2022 1:00 p.m. EDT	Center for Watershed Protection Webinar: Climate Change and Urban Flooding Issues
September 23, 2022 10:30 a.m.	Wisconsin Wetlands Association Wetland Coffee Break: The role and application of prescribed fire in Wisconsin wetlands

October

October 7, 2022 10:30 a.m.	Wisconsin Wetlands Association Wetland Coffee Break: It's the little things that run the world: the importance of aquatic invertebrates
October 26, 2022 1:00 p.m. EDT	Center for Watershed Protection Webinar: Urban Forestry

November

November 16, 2022 1:00 p.m. EDT	Center for Watershed Protection Webinar: Behavior Change for Watershed & Stormwater Management
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December

December 7, 2022 1:00 p.m. EDT	Center for Watershed Protection Webinar: Stormwater Retrofitting
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Photo Credit: Audra Martin, NAWM

CONFERENCES/EVENTS

August

August 23-September 1, 2022 Stockholm, Sweden; Online	World Water Week: Seeing the Unseen: The Value of Water
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 17, 2022 Stone Harbor, NJ	Wetlands Institute: Fall Migration Festival
September 19-22, 2022 Toledo, Spain	International Society of Environmental Indicators: 24th International Conference on Environmental Indicators
September 19-23, 2022 Chicago, IL	ACWA: 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 26-28 2022 National Harbor, MD	StormCon
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 18-19, 2022 Milwaukee, WI	Healing Our Waters Great Lakes Coalition: Great Lakes Conference 2022
October 22, 2022 Combine, TX	John Bunker Sands Wetland Center: Wings Over the Wetland: Twilight Soiree
October 23-28, 2022 Albany, NY	NEIWPC: 11th U.S. Symposium on Harmful Algae
October 25-27, 2022 Green Bay, WI	Midwest Invasive Plant Network: Upper Midwest Invasive Species Conference
November	
November 6-10, 2022 Spokane, WA	The Wildlife Society's 29th Annual Conference
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



Photo Credit: Audra Martin, NAWM

TRAINING COURSES

August

August 21-27, 2022
Steuben, ME

Eagle Hill Institute Course: [Ferns and Lycophytes: Identification, Biology, and Natural History](#)

August 22-25, 2022
Aliquippa, PA

Swamp School Course: [Standard Wetland Delineation Training \[Classroom/Field\]](#)

September

September 7, 2022
Freeport, ME

Maine Association of Wetland Scientist: [MAPPS Field Workshop](#)

September 12, 2022
Marion, MA

Massachusetts Association of Conservation Commission (MACC) Class: [Wetland Delineation for Beginners](#)

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 12-16, 2022
Lakewood, CO

Stream Mechanics Course: [Stream Quantification Tool Field Camp](#)

September 13-14, 2022
Charleston, SC

Duncan & Duncan Wetland & Endangered Species Training: [Identification of Grasses, Sedges, and Rushes](#)

September 13-16, 2022
Dupage County, IL

IWEER Course: [Wetland Delineation: Corps Manual and Regional Supplement](#)

September 14-15, 202
Online

Rutgers Office of Continuing Professional Education Course: [Hydric Soils](#)

September 26-29, 2022
San Diego, CA

Wetlands Training Institute, Inc. Course: [Federal Wetland/Waters Regulatory Policy](#)

September 26-30, 2022
Atlanta, GA

Duncan & Duncan Wetland & Endangered Species Training: [Basic Wetland Delineation](#)

September 26-30, 2022
Shepherdstown, WV

Stream Mechanics: [Stream Functions Pyramid and Quantification Tool Workshop](#)

September 28-29, 2022
Online

Rutgers Office of Continuing Professional Education Course: [NJ Wetlands Management for LSRPs](#)

October	
October 3-6, 2022 Raleigh, NC	Swamp School Course: Standard Wetland Delineation Training [Classroom/Field]
October 10-12, 2022 St. Michaels, MD	Environmental Concern Course: Evaluating Hydric Soils in the Field
October 12, 2022 Virtual/Field Trip TBD	Rutgers Office of Continuing Professional Education Course: Methodology for Delineating Wetlands
October 18, 2022 Atlanta, GA	Duncan & Duncan Wetland & Endangered Species Training: Wetland Delineation Overview (Coastal Plain or Eastern Mountains/Piedmont)
November	
November 1, 2022 Online	Rutgers Office of Continuing Professional Education Course: ArcGIS: Introduction
November 2-4, 2022 Live Remote, WA - TBD	Environmental Training Center Course: Wetlands: Science and Regulatory Management
November 15-16, 2022 Atlanta, GA	Duncan & Duncan Wetland & Endangered Species Training: Advanced Hydric Soils, Atypical Wetlands, and Hydrology (Coastal Plain or Eastern Mountains/Piedmont)
December	
December 5-7, 2022 St. Michaels, MD	Environmental Concern Course: Winter Woody Plant ID
December 5-8, 2022 Raleigh, NC	Swamp School Course: Standard Wetland Delineation Training [Classroom/Field]
December 5, 7, 8 & 9, 2022 Online	Rutgers Office of Continuing Professional Education Course: Wetland Construction: Principles, Planning, and Design
December 6-7, 2022 Portage, WI	Wetlands Training Institute, Inc. Course: Problematic Delineation Seminar
December 8-9, 2022 Fort Lauderdale, FL	Southeast Florida Regional Climate Change Compact 14th Annual Climate Leadership Summit

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.

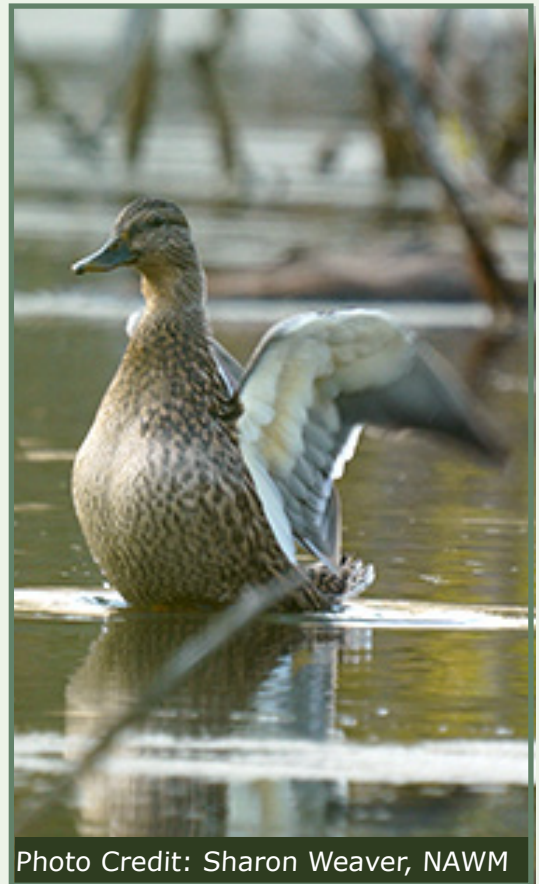


Photo Credit: Sharon Weaver, NAWM

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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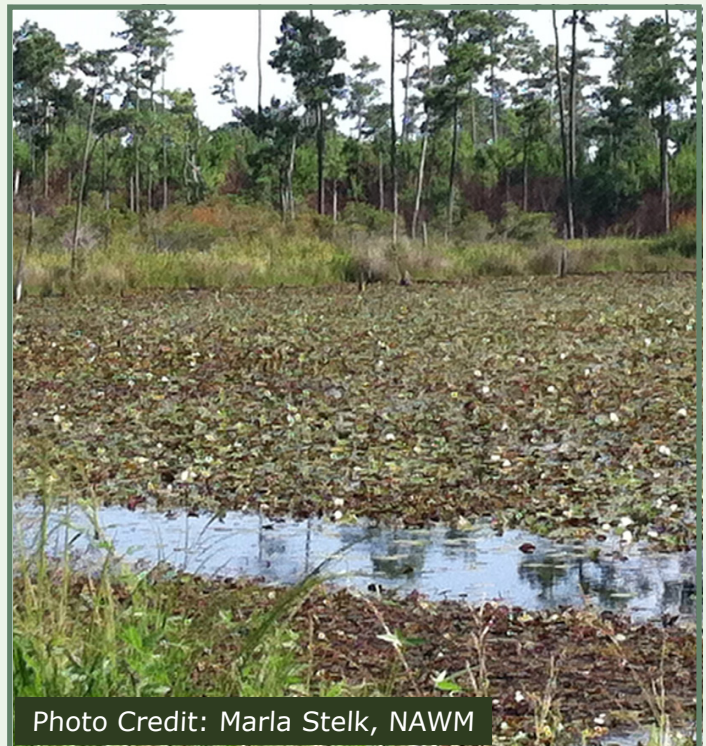


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