



WETLAND NEWS DIGEST

Monthly News Digest of the National Association of Wetland Managers

March 2022

Editor's Note

Dear Wetlanders,

When I turned the calendar page to March, I felt a surge of excited anticipation for spring. Soon my visions of colorful flowers and warm days where I can bask outside like a lizard on a hot rock will shift from dream to reality. I even spotted a whole family of robins, which—myth or not as a sign of spring—further amplified my end of winter fantasies. In the same way that I ground in the time of year by the critters I find outside, several stories in this issue help us connect to places through the wildlife that call them home.

One of the most influential wildlife protection policies in the U.S. is the Endangered Species Act – in [Editor's Choice](#) you will find a story on a new proposal to strengthen the Act once again. And in [National News](#), you can find an uplifting story about a new bill in Congress that would set aside \$50 million each year for a proposed Tribal Wildlife Corridors Act. These are just a few of the stories gathered for you this month that we hope will serve to inform and inspire you as we spring into the new season.

Happy Spring!

Audra Martin
Editor
Wetland News Digest
NAWM

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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.

**Information on
sponsorship,
can be found here.**

Photo by Michele Mihalovich

White House starts key ESA 'critical habitat' review

By Michael Doyle – E&E News Greenwire – March 11, 2022

The Fish and Wildlife Service this week stepped closer toward erasing a Trump administration rule that crimped the Endangered Species Act's definition of "critical habitat." On Tuesday, records show, the federal agency, along with NOAA Fisheries, submitted a long-awaited ESA rule for final White House review. Once the Office of Information and Regulatory Affairs has done its thing, it will be go time for one of the environmental community's priorities. "The Endangered Species Act has saved hundreds of irreplaceable plants and animals from extinction, but it could be doing so much more good," Stephanie Kurose, a senior policy specialist at the Center for Biological Diversity, said in a statement. [Read more.](#)

EPA Releases New Memo Outlining Strategy to Equitably Deliver Clean Water Through President Biden's Bipartisan Infrastructure Law

U.S. Environmental Protection Agency – March 8, 2022

Today the U.S. Environmental Protection Agency (EPA) issued a memorandum to guide collaborative implementation with state, local, and Tribal partners of \$43 billion in water infrastructure funding through the Bipartisan Infrastructure Law. President Biden, with bipartisan support from Congress, is providing the single largest investment in water the federal government has ever made. EPA's memo is a key implementation step that outlines requirements and recommendations for the Drinking Water and Clean Water State Revolving Funds (SRFs) to ensure the country is working together to deliver clean and safe water and replace lead pipes for all Americans, especially disadvantaged communities. [Read more.](#)

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

U.S. Environmental Protection Agency – February 24, 2022

Today, the U.S. Environmental Protection Agency (EPA) and U.S. Department of the Army (the agencies) announced the selection of ten geographically varied roundtables with participants representing diverse perspectives. The agencies will work with each selected roundtable to facilitate discussion on implementation of "waters of the United States" (WOTUS), while highlighting regional differences. [Read more.](#)

Upcoming NAWM Members' Webinar Series

Members' Only Webinars - [Join NAWM Here](#)



Implications of different Waters of the US definitions in NC and the Southeast Based on field-based data from Level IV Ecoregions

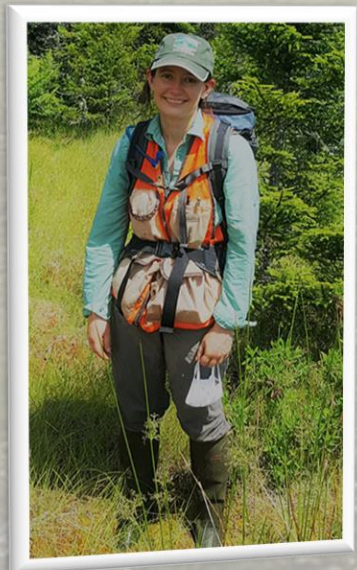
Wednesday, March 30, 2022 – 3:00 p.m.–5:00 p.m. ET

Presenter:

John Dorney, Moffat & Nichol

[Register Here](#)

[More Information](#)



Managing Impacts to Wetlands from Solar Development

Wednesday, April 27, 2022 – 3:00 p.m.–4:30 p.m. ET

Presenter:

Laura Lapierre, Vermont Department of Environmental Conservation

[Register Here](#)

[More Information](#)

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. [Click here](#) for more Information.

National News



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Photo by Laura Burchill, NAWM

NJ, PR, USVI: U.S. EPA awards funding to update National Wetland Inventory maps in New Jersey, Puerto Rico, and Virgin Islands

Contact: Tracy McIntosh – U.S. Environmental Protection Agency – February 24, 2022

The U.S. Environmental Protection Agency (EPA) announced that it has awarded grants for over \$450,000 to two entities in [New Jersey](#) that will foster their programs to help protect wetlands. The New Jersey Sports and Exposition Authority received two grants totaling \$347,535, and the New Jersey Department of Environmental Protection received one grant for \$102,509. EPA announced that it has awarded a grant for over \$200,000 to the [Puerto Rico](#) Department of Natural and Environmental Resources to update the United States Fish and Wildlife Service National Wetland Inventory maps for Puerto Rico. EPA announced that it has awarded a grant for over \$65,000 to the Government of the [U.S. Virgin Islands](#) to update the United States Fish and Wildlife Service National Wetland Inventory maps for the U.S. Virgin Islands.

The Ongoing Saga of Redefining WOTUS

By Lisa Whitley Coleman – EHS Daily Advisor – February 23, 2022
The old adage that you can't please everyone definitely applies to the definition of "waters of the United States" (WOTUS). According to the fall Unified Agenda, a new WOTUS definition was proposed to be released by the Biden administration in February 2022. However, there is a mountain of comments to sort through, as the EPA and the Army Corps of Engineers (Corps) received more than [93,000 comments](#) as of February 7, 2022, the cutoff date for the proposed rule. [Read more.](#)

Giving Tribes More Support to Maintain Wildlife Habitat

Contact: Mike Moen – Public News Service – February 14, 2022
Native American tribes manage millions of acres of wildlife habitat but face inequities in securing conservation funds. A bill in Congress would provide a boost in carrying out projects. [The Tribal Wildlife Corridors Act](#) would set aside \$50 million each year for a grant program. Bill sponsors say it would ensure Tribal Nations have the resources to implement and maintain corridors for various species. [Read more.](#)

States' water permitting push sparks mine concerns

By Hannah Northey, Jael Holzman – E&E News – February 14, 2022
States are increasingly considering taking over the federal government's job of overseeing wetlands and water permitting under the Clean Water Act as they seek to expedite mining projects, worrying environmentalists who say the maneuver will leave them with fewer ways to intervene against developments they oppose. Under the Clean Water Act, states or tribes can seek to take over permitting and administering the Section 404 program for dredging and filling federally protected waters. [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



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. Although we are currently scheduled to be at the NCTC, we will be monitoring the COVID-19 pandemic very closely and will follow all federal guidelines and mandates related to the pandemic. If circumstances require it, we will shift the meeting to a fully virtual format.

**CALL FOR ABSTRACTS
OPENS MARCH 23rd**

**REGISTRATION
OPENS MAY 2nd**

JON A. KUSLER STUDENT SCHOLARSHIP AWARD – OPENS MARCH 23rd

The Jon A. Kusler Student Scholarship Award competition opens Wednesday, March 23, 2022. The Award will fund all expenses for one or more students studying wetland science, law or policy (either undergraduate or graduate level) to attend NAWM's annual State/Tribal/Federal Coordination meeting.

STATE/TRIBAL SCHOLARSHIPS – OPENS MAY 2nd

A limited number of scholarships are available to assist those in need to cover registration costs to attend NAWM's Annual State/Tribal/Federal Coordination Meeting. Our intent is to support as many people as possible with the limited amount of funding that we have. If you are able to cover some of your registration costs, that will enable more of our colleagues to attend.

SPONSORSHIP OPPORTUNITY – NOW OPEN

Sponsor Benefits: Sponsors are invited to attend and interact with meeting participants throughout the four-day meeting. In the past, this meeting has been attended by approximately 135 engaged in-person participants. All sponsors receive prominent logo placement on all meeting materials and the option to have an exhibitor table at the meeting. Sponsor logos will appear on the Annual State/Tribal/Federal Coordination Meeting event website, meeting program and conference communications (including social media).

See Meeting Website for More Information

State and Tribal News



NAWM Webinars

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Trainings

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Here

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Information on
Upcoming NAWM
Webinars
Here

Photo by Marla Stelk, NAWM

AK: EPA Assistant Administrator for Water Highlights Common-Ground WOTUS Strategy, Infrastructure Investment for Alaska

Contact: Suzanne Skadowski – U.S. Environmental Protection Agency – March 1, 2022

On Friday February 25, 2022, U.S. Environmental Protection Agency (EPA) Assistant Administrator for Water Radhika Fox joined U.S. Senator Lisa Murkowski in Alaska. Engagements in Anchorage and Wasilla helped spotlight features and characteristics that make Alaska unique. The experience also highlighted the essential nature of water and common-ground approaches to steward vital water resources through strategic policy and infrastructure investment. [Read more.](#)

KS: Making wetland restoration history in Kansas

By Angela R. Allen, NRCS – Farmers.gov – Fridays on the Farm – February 25, 2022

This Friday meet Max and Eweleen Good, the first landowners in Kansas to voluntarily participate in a USDA wetland restoration program in 1994. The Goods live on 40 acres northeast of Oswego, Kansas, in Labette County. Their land likely started as tall grass prairie scattered with ponds before being used as farmland. By the time the Goods acquired the land, it was a successional tree stand with seasonal ponding. As curious naturalists, Max and Eweleen wanted to improve and restore their land to a natural state. “Our goal was to hopefully replace what we took from earth, to educate others with examples by sharing our research and experiences,” Max Good said. [Read more.](#)

MI: Legislation would designate manoomin as state’s official native grain

By Laina G. Stebbins – Michigan Advance – February 15, 2022

A bill introduced in the Michigan Senate seeks to designate *manoomin* (wild rice) as the state’s official native grain and acknowledge its importance to Indigenous people in the region. Senate Bill [802](#), introduced by state Sen. Adam Hollier (D-Detroit) last month is the second attempt by Democratic lawmakers in the last year to name *manoomin* the native grain of Michigan. An identical [House bill](#) from state Rep. Ronnie Peterson (D-Ypsilanti) was introduced in March 2021 but has not made it out of the House Government Operations Committee. [Read more.](#)

MN: Potential impacts of emerald ash borer on wildlife in black ash wetlands

University of Minnesota – February 28, 2022

Black ash wetlands cover approximately 1.2 million acres of wetland forest in the western Great Lakes. They are an ecologically significant part of Minnesota's landscapes and provide critical habitat for wildlife. However, new research from the [Natural Resources Research Institute](#) (NRRI) at the University of Minnesota Duluth finds the invasive emerald ash borer (EAB) threatens to irreversibly alter the structure and functioning of black ash-dominated wetlands throughout northeastern North America. [Read more.](#)

NV: Nevada Geothermal Project Breaks Ground While Court Battles Rage: *Project Threatens Rare Toad with Extinction*

Contact: Patrick Donnelly – Center for Biological Diversity – February 18, 2022

Bulldozers broke ground this week at geothermal developer Ormat's Dixie Meadows Geothermal Project in Churchill County, Nevada, while court battles over the project's fate continue. Numerous independent and government scientists have said the geothermal project poses a serious risk of extinction to the Dixie Valley toad, a rare species that lives in the Dixie Meadows wetlands for which the project was named. Scientific analyses show that the project could dry up the wetlands that the toad needs to survive. [Read more.](#)

OH: Ohio's 2023 State wetlands habitat stamp

The Crescent-News – February 24, 2022

Jeffrey Klinefelter's painting of three lesser scaup was selected as the winner of the 2022 Ohio wetlands habitat stamp design competition held on Saturday, Feb. 19, according to the Ohio Department of Natural Resources (ODNR) Division of Wildlife. Klinefelter's painting will be displayed on the Ohio Wetlands Habitat Stamp that is issued in the fall of 2023. The Ohio Wetlands Habitat Stamp program has raised \$10.9 million for wetland conservation since 1982. Proceeds from stamp sales help fund vital wetland habitat restoration projects in Ohio. [Read more.](#)

OH: Governor DeWine Announces \$3 Million in H2Ohio Grants for Ohio River Basin Wetland Projects

Governor of Ohio – February 16, 2022

Ohio Governor Mike DeWine and Ohio Department of Natural Resources (ODNR) Director Mary Mertz announced today that \$3 million in grants are available for projects that will improve water quality in the Ohio River Basin through the creation or restoration of wetlands. ODNR is administering the Ohio River Basin H2Ohio Wetland Grant Program as part of Governor DeWine's [H2Ohio](#) initiative. Wetlands help improve water quality by trapping, filtering, and removing excess pollutants and nutrients, such as nitrogen and phosphorus, from the water before they flow into waterways and contribute to harmful algal blooms. [Read more.](#)

PA: Greater Johnstown teachers plan 'adventurous' environmental lessons in elementary school's wetlands

By Joshua Byers – The Tribune Democrat – February 18, 2022

More than a dozen Greater Johnstown Elementary School teachers gathered in the school's library on Friday to learn how they can include the wetlands area near the Lower Yoder Township school in their lessons. "I think it's going to be really adventurous to the students," fourth-grade teacher Kathleen Kirwan said. She viewed the seminar as a good experience that could have a positive impact on the school's students. "I think it's important for our young people to learn about the environment," Kirwan said. [Read more.](#)

RI: Yearlong waits for some RI wetlands permits blamed on staff shortage

By Tolly Taylor – WPRI 12 News – March 10, 2022

Some Rhode Islanders are waiting a year or more to get decisions from the R.I. Department of Environmental Management for applications to undertake projects near wetlands. The result is wetlands permitting applications — which vary from house additions to multimillion-dollar town projects — are left in limbo until DEM can catch up. State Rep. Michael Chippendale told Target 12 he's heard from constituents in Foster, Glocester and Coventry for years about problems with their applications.

[Read more.](#)

UT: Utah Designates \$40 Million to Preserve the Great Salt Lake

By M.D. Johnson – Field & Stream – March 10, 2022

In a unanimous vote on Wednesday, March 2, Utah state legislators designated \$40 million to address the myriad issues surrounding the shrinking Great Salt Lake (GSL). The bill is headed for Governor Spencer Cox's desk for final approval. Sponsored by Representative Brad Wilson (R-Kaysville), HB410 will establish a water trust intended to preserve and enhance moving water into the GSL, protect and restore vital lakeside wetlands, fund scientific studies, and provide additional support for "the lake's natural infrastructure." [Read more.](#)

STUDENTS DON'T MISS THIS GREAT OPPORTUNITY!

Receive Two Memberships for the Price of One!

The [National Association of Wetland Managers](#) (NAWM) and the [Society of Wetland Scientists](#) (SWS) have an exciting new opportunity for students to get memberships to both organizations for the price of one! Any student who joins either organization in 2022 will receive a free, complimentary membership to the other organization. This trial offer is only good for 2022, so the sooner you become a member, the more time you will have to enjoy all the benefits available to you from both organizations.

To take advantage of this opportunity, all you have to do is purchase a student membership to one organization, and the other membership will be provided to you for free.

For more information, please contact Laura Burchill, NAWM's Office Manager, at laura@nawm.org or by calling our office at 207-892-3399.



Recently Recorded NAWM's Members' Webinar Series



Coastal Wetland Migration as a Climate Change Resiliency Strategy: Conservation Planning and Decision Making

Held Wednesday, February 23, 2022 – 3:00 p.m.–4:30 p.m. ET

Presenter:

Mary Schoell, NOAA Digital Coast Fellow



Transforming Communications with the Public about Water Quality: How to Use EPA's "How's My Waterway" Data Application

Held Wednesday, January 26, 2022 - 3:00 p.m. – 4:30 p.m. ET

Presenter:

Kiki Schneider, U.S. Environmental Protection Agency

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

A list of NAWM's recorded webinars can be found here.

NAWM Membership Benefits

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Rates Increase Spring of 2022



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.

Training & Professional Development — *Update or refresh your knowledge*

- Access to NAWM Online Trainings earning free Certificates of Completion. This growing library features two mini-courses with a total of 27 modules totaling nearly 30 hours of available training.
- Discounted registration at NAWM's Annual State/Tribal/Federal Coordination Meeting.
- Special NAWM Member discounts for select non-NAWM wetland trainings and courses.



Education & Resources — *Stay current on the latest tools and advances in the field, policy and legal issues from the Hill, and applied wetland science with exclusive online information*



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 - ✓ **Wetland News** – NAWM's Member Newsletter (6 issues per year)
 - ✓ **Insider's Edition** – Weekly e-news
- Complementary registration to 8+ NAWM Members' Webinars and exclusive on-demand access to recordings.
- Members receive complementary Certificates of Participation for any NAWM webinar (a savings of \$25 each).
- **Coming Soon** – Access to a Members-only Federal Policy Tracking Tool to quickly sort through the dynamic landscape of wetland-related federal policy, such as WOTUS, CWA 401 and 404, among others.

Enhance Your Network — *with the wetland community of practice*

- Access to a national network of 1,300 wetland professionals including members from state and tribal wetland programs, federal agencies, the private sector and universities
- **Coming Soon** – Participate in Members-only Discussion Forums on a range of topics
- Submit wetland-related job notices to appear on the NAWM Job Board and Insider's Edition
- Corporate group memberships (10+ people) include logo with live link on NAWM's website



Impact & Leadership — *Take an active role in the Association and advance the field*



- Opportunities for involvement in NAWM Committees
- Eligible to join the Board of Directors
- Voting rights in Board of Directors elections and all issues brought to a member vote
- **Coming Soon** – Student mentorship program

Wetland Science News



Wetland Events

Wildwood Park
Wetlands Festival
April 23, 2022
Harrisburg, PA

North Inlet – Winyah Bay
Walk on the Wild Side!
April 21, 2022
Georgetown, SC

“Ding” Darling Wildlife Society
**33rd Annual “Ding”
Darling Day**
April 24, 2022
Fort Myers, FL

**See Calendar of Events
Below**

Photo by Sharon Weaver, NAWM

Skunk Cabbage: This Spring Harbinger Makes Its Own Heat, Smells Like Rotting Meat

By Patty Wetli – wttw – March 10, 2022

The musical song of the robin may [no longer reliably signal the start of Midwestern spring](#), but the scent of rotting meat in the region’s forests still does. We’re talking about the annual appearance of [skunk cabbage](#) (*Symplocarpus foetidus*), one of the first native plants to emerge from the frozen winter ground in the Chicago area. Though skunk cabbage — found in woodlands, wetlands and near rivers and streams — is literally defined by its noxious smell, its powerful aroma isn’t the only quirky thing about this plant. One of the reasons it’s among spring’s earliest bloomers is that [the plant](#) has been gifted the power of thermogenesis: Skunk cabbage makes its own heat. [Read more.](#)

Wetlands Help Fight Climate Change, But the Kind of Wetland Matters

By Francisco Martinezcuello – Bay Nature – February 24, 2022

On a rainy fall morning, a pair of research technicians from the Berkeley Biometeorology Lab travel in a white pickup truck along a tongue of land where the Sacramento and San Joaquin Rivers converge and then finally join. Even though the road is paved with gravel, the tires kick up dust and mix with the scent of wild fennel. At a nearby pasture, cows chew cud unfazed by the sound of the rattling truck bed or river otters splashing. Sandhill cranes soar above crackling high-tension power lines. Once threatened American white pelicans fly in formation against the backdrop of slow turning wind turbines. [Read more.](#)

The Klamath story, told by its birds

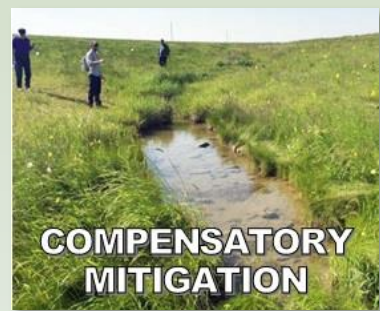
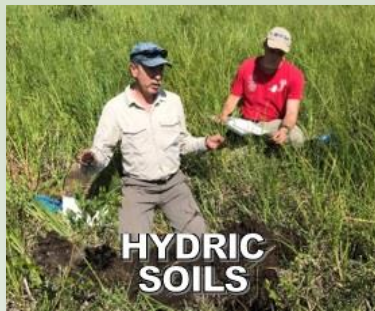
By Alex Schwartz – Herald and News – February 23, 2022

It started with a dead bird. About a year ago, the ill-fated avian crashed into Oregon State University professor Hannah Gosnell’s window. It lay on the pavement below, barely alive. For the next few days, Gosnell tried to nurse the bird back to health, asking her neighbor and renowned ornithologist Sue Haig for advice. Nothing helped, and the bird passed away much to Gosnell’s dismay. Around the same time, Jami Dennis, a candidate for a master’s degree in natural resources at OSU, reached out to Gosnell to see if she’d be interested in advising her degree’s capstone project. [Read more.](#)

NAWM's Online Trainings

Each online training module includes a module description, learning objectives, a recorded training video and an optional knowledge-based quiz. Learners can select to receive Certificate of Completion for each quiz that is successfully completed. Certificates of Completion may be utilized towards earning continuing education units/credits (CEUs). Learners should check with their chosen accrediting organization for their specific approval processes and will need to send the certificates to the accrediting organization themselves.

As a [benefit of NAWM Membership](#), you may [Log In](#) to view the modules and complete the knowledge-based quizzes at no additional charge. [Non-Members](#) have free access to the module description, learning objectives and videos. However, the module quizzes and certificates have an associated processing fee per module. See each individual training series for more information.



Special NAWM Member Discount to Non-NAWM Select Wetland Training and Courses

Eagle Hill Institute Online Seminars

NAWM Members receive a **20% discount** on Eagle Hill Institute tuition and accommodations. [See a complete list of their Seminars/Workshops here.](#) [Login Here](#) for more information and to access code.

Swamp School Training Courses

NAWM Members receive a **10% discount** on Swamp School Courses. [See a complete list of their training courses here.](#) [Login Here](#) for more information and to get code.

Duncan & Duncan Wetland and Endangered Species Training (D&D West)

NAWM Members receive a **15% discount** on all courses. [See a complete list of their Courses here.](#) [Login Here](#) for more information and to get code.

Resources and Publications



on
Social
Media



Photo by Marla Stelk, NAWM

New USDA NRCS Source Water Protection Website with National Maps

Sourcewater Collaborative – March 1, 2022

USDA's Natural Resources Conservation Service (NRCS) has developed a new [Source Water Protection page](#) on their website that includes national maps of NRCS identified source water priority areas under the 2018 Farm Bill. These two maps show the 2022 priority source water areas by - type of (water) system using either groundwater, surface water, or both; resource concern for water quality, quantity, or both. [Read more.](#)

IPCC Sixth Assessment Report: Climate Change 2022: Impacts, Adaptation and Vulnerability

BERLIN, Feb 28 – Human-induced climate change is causing dangerous and widespread disruption in nature and affecting the lives of billions of people around the world, despite efforts to reduce the risks. People and ecosystems least able to cope are being hardest hit, said scientists in the latest Intergovernmental Panel on Climate Change (IPCC) report, released today.

“This report is a dire warning about the consequences of inaction,” said Hoesung Lee, Chair of the IPCC. “It shows that climate change is a grave and mounting threat to our wellbeing and a healthy planet. Our actions today will shape how people adapt and nature responds to increasing climate risks.”

The world faces unavoidable multiple climate hazards over the next two decades with global warming of 1.5°C (2.7°F). Even temporarily exceeding this warming level will result in additional severe impacts, some of which will be irreversible. Risks for society will increase, including to infrastructure and low-lying coastal settlements.

The Summary for Policymakers of the IPCC Working Group II report, Climate Change 2022: Impacts, Adaptation and Vulnerability was approved on Sunday, February 27 2022, by 195 member governments of the IPCC, through a virtual approval session that was held over two weeks starting on February 14. The report and related materials can be [found here.](#)

CEQ Publishes Draft Climate and Economic Justice Screening Tool, Key Component in the Implementation of President Biden’s Justice40 Initiative

The White House – February 18, 2022

Today, the White House Council on Environmental Quality (CEQ) released a beta version of the [Climate and Economic Justice Screening Tool \(CEJST\)](#), a major step toward addressing current and historic environmental injustices and fulfilling a key campaign promise from President Biden. The CEJST is a critical component of the President’s historic environmental justice commitments in [Executive Order 14008](#), including the Justice40 Initiative, a commitment to deliver 40 percent of the overall benefits of Federal climate, clean energy, affordable and sustainable housing, clean water, and other investments to disadvantaged communities that are marginalized, underserved, and overburdened by pollution. The beta version of the tool, on which the public is being asked to provide feedback over the coming 60 days, will help agencies identify disadvantaged communities to ensure that everyone is receiving the benefits intended from Federal programs. [Read more.](#)

Rediscovering, Reevaluating, and Restoring Lost River-Wetland Corridors

By Ellen Wohl, Janine Castro, Brian Cluer, et. al. – Frontiers – June 30, 2021

River-wetland corridors form where a high degree of connectivity between the surface (rheic) and subsurface (hyporheic) components of streamflow creates an interconnected system of channels, wetlands, ponds, and lakes. River-wetland corridors occur where the valley floor is sufficiently wide to accommodate a laterally unconfined river planform that may feature morphologically complex, multi-threaded channels with vegetated bars, islands, and floodplains. River-wetland corridors can develop anywhere there is valley expansion along a drainage network, from the headwaters to estuaries or deltas, and they are found across all latitudes and within all biomes and hydroclimates. River-wetland corridors may be longitudinally continuous but are commonly interspersed with single-thread reaches in narrower portions of the valley. [Read more.](#)

U.S. coastline to see up to a foot of sea level rise by 2050

NOAA – February 15, 2022

The United States is expected to experience as much sea level rise by the year 2050 as it witnessed in the previous hundred years. That’s according to a NOAA-led report updating sea level rise decision-support information for the U.S. released today in partnership with half a dozen other federal agencies. The [Sea Level Rise Technical Report](#) provides the most up-to-date sea level rise projections for all U.S. states and territories by decade for the next 100 years and beyond, based on a combination of tide gauge and satellite observations and all the model ensembles from the Sixth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC). [Read more.](#)



NAWM'S WETLAND JOBS BOARD

Studying the Carbon Cycle using Remote-sensing Observations and Models

National Aeronautics and Space Administration (NASA)
Moffet Field, CA
Ref. Code: 0067-NPP-JUL22-ARC-EarthSci
Apply by July 1, 2022

Assistant Professor of Biology

Department of Biology
Young Harriss College
Harris, GA
Review begin March 21, 2022

Watershed Analyst

Idaho Department of Environmental Quality
Idaho Falls, ID
Apply by March 23, 2022

[Visit the NAWM Jobs Board](#)

Novel methods for mapping global wetland area and dynamics using passive and active radar, optical remote sensing, and inventory databases

National Aeronautics and Space Administration (NASA)
Greenbelt, MD
Ref.: 0188-NPP-JUL22-GSFC-EarthSci
Apply by July 1, 2022

Research Ecologist/Fish Biologist (Unit Leader)

U.S. Geological Survey
Raleigh, NC
Apply by April 2, 2022

Interdisciplinary Physical Scientist/Environmental Engineer/Biological Scientist

Naval Facilities Engineering Command
Fort Worth, TX
Apply by March 25, 2022

Biologist (Grants Officer)

U.S. Fish and Wildlife Service
Baileys Crossroads, VA
Apply by March 23, 2022

GRANT OPPORTUNITIES

WaterSMART Cooperative Watershed Management Program Phase I Grants

U.S. Bureau of Reclamation
Apply by March 31, 2022

Conservation Innovation Grants for Federal Fiscal Year 2022 – Idaho

USDA Natura Resources Conservation Service
Search: USDA-NRCS-ID-CIG-22-NOFO0001166
Apply by May 8, 2022

Year 1 Klamath Funding Bi-Partisan Infrastructure Law

U.S. Fish and Wildlife Service
Search F22AS00250
Apply by May 8, 2022

Potpourri



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Photo by Laura Burchill, NAWM

Mastering the art of conservation photography

Muntasir Akash – The Business Standard – March 2, 2022
What makes a good conservation photographer? It depends on how well you can connect with your subject. 'Your photos are good only when you are close to your subject' – in conservation photography, this common mantra is the most befitting. Here, the subject is most often no human model, rather one with a fast reflex and perpetual camera shyness. [Read more.](#)

Audubon Series Shows Salt Marsh Birds' Struggle with High Tides

By Alissa Silber – The Newtown Bee – February 28, 2022
Connecticut Audubon Society hosted its second of five Young, Gifted, And Wild About Birds online presentations on Thursday, February 10. Sam Apgar led the "High Tide for Salt Marsh Birds" program to shine light on how salt marsh birds are experiencing nest flooding due to high tides. [Read more.](#)

Wildnote CEO Kristen Hazard Receives 2021 EBJ Business Achievement Award for Industry Leadership

By Anita Henry – Wildnote – February 24, 2022
Environmental Business Journal® (EBJ), a business research publication that provides high-value strategic business intelligence to the environmental industry, has honored Kristen Hazard, Wildnote CEO, with a Business Achievement Award for Industry Leadership in 2021. Kristen Hazard, founder, and CEO of Wildnote (San Luis Obispo, Calif.) and developer of the company's groundbreaking environmental compliance reporting software, was selected for her contributions to Industry Education, Public Policy Dialog, and Community Climate and Energy Action. [Read more.](#)

Conservation efforts created to save rare Chiricahua leopard frogs

By Dakota Croog – Herald Review – February 18, 2022
When it comes to wildlife conservation, Beatty's Guest Ranch is dedicated to using its resources to keep one particular frog species alive and well. Thomas Biebighauser, who works as a wetland ecologist and wildlife biologist for Wetland Restoration and Training LLC, has been assisting in building two wetland areas at Beatty's Guest Ranch in Sierra Vista for the Chiricahua leopard frog. The U.S. Fish and Wildlife Service listed the Chiricahua leopard frog as a "threatened" species in 2002. [Read more.](#)

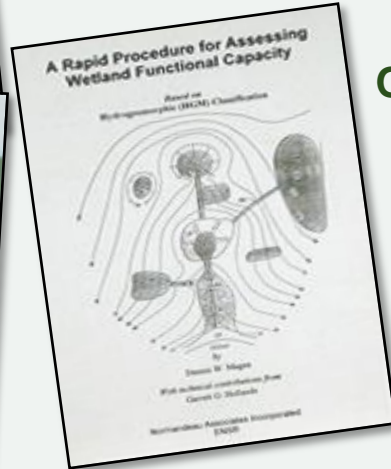


NAWM Wetland Publications Available

We have limited quantities of NAWM publications available.

Only pay for shipping cost.

[See a List of Publications](#)



25th Anniversary

National Mitigation & Ecosystem Banking Conference

May 2-6, 2022

Boise, ID/Virtual

Connecting Policy, Practice, Business, Science & People

Investing In The Environment Is What This Conference Is About

[Agenda](#)

[More information is available here.](#)

Share Your Wetland Photos!

The National Association of Wetland Managers (NAWM) is hoping you'll share a variety of your wetland photos (wetlands, flora, fauna, and wetland friends) for NAWM to use in our social media posts and NAWM publications.

Photos should be submitted in .jpg, .png, or .pdf format.

Photo by Laura Burchill, NAWM

[Share Your Wetland Photos Here](#)

Environmental Events

- [Earth Hour](#) – March 26
- [World Water Day](#) – March 22
- [International Beaver Day](#) – April 7
- [Earth Day](#) – April 22
- [Save the Frogs Day](#) – April 30
- [Endangered Species Day](#) – May 20
- [International Day for Biological Diversity](#) – May 22
- [World Environment Day](#) – June 5
- [World Rivers Day](#) – September 25
- [World Migratory Bird Day](#) – October 12
- [America Recycles Day](#) – November 15
- [World Soil Day](#) – December 5

Photo by Laura Burchill, NAWM

Environmental Photo Contests – 2022

[Earth.Org Global Wildlife & Natural World Photography Competition 2022](#)

Enter by April 29, 2022

[Friends of Great Swamp National Wildlife Refuge 2022 Photo Contest](#)

Enter by July 4, 2022

Photo by Sharon Weaver, NAWM

Calendar of Events

WEBINARS 2022

MARCH 2022

March 18, 2022 11:30 a.m. ET	Wisconsin Wetlands Association: Wetland Coffee Break Webinar: Toward more effective invasive species management: Part 1: Emphasize system dynamics over community structure
March 25, 2022 11:30 a.m. ET	Wisconsin Wetlands Association: Wetland Coffee Break Webinar: Toward more effective invasive species management: Part 2: How a system dynamics approach works in practice
March 30, 2022 2:00 p.m. ET	Florida Wildflower Foundation Webinar: Aquatic and Wetland Butterfly Gardening
March 30, 2022 3:00 p.m.-5:00 p.m. ET	National Association of Wetland Managers Members' Webinar Series: Implications of different Waters of the US definitions in NC and the Southeast Based on field-based data from Level IV Ecoregions

APRIL 2022

April 15, 2022 11:30 a.m. ET	Wisconsin Wetlands Association: Wetland Coffee Break Webinar: Whooping crane conservation in Wisconsin
April 27, 2022 3:00 p.m.-4:30 p.m. ET	National Association of Wetland Managers Members' Webinar Series: Managing Impacts to Wetlands from Solar Development

MAY 2022

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
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Photo by Laura Burchill, NAWM

MEETINGS 2022

MARCH 2022

March 22-23, 2022 Virtual	Coastal Quest Conference: Accelerating Solutions for a Resilient Coast
March 24-26, 2022 Cambridge, OH	Ohio Wetlands Association: Vernal Poolooza Science Conference
March 25, 2022 Virtual	Soil and Water Conservation Society: Southern New England Chapter: 2022 Winter Conference: Soil Carbon Storage: Combating Climate Change from the Ground Up

APRIL 2022

April 6-8, 2022 Stevens Point, WI	University of Wisconsin: 2022 Wisconsin Lakes and Rivers Convention: Protecting What We Love for the Future
April 9, 2022 9:00a.m.-12:00p.m. Accokeek, MD	Alice Ferguson Foundation: 34th Annual Potomac River Cleanup - FREE
April 12, 2022 Virtual	University of Washington Botanic Gardens and the Northwest Chapter of the Society for Ecological Restoration: 2022 Ecological Restoration Symposium: Unprecedented Times: Addressing Modern Challenges
April 18-22, 2022 Oostende, Belgium	22nd International Conference on Aquatic Invasive Species
April 22-24, 2022 Albany, NY	Eagle Hill Institute: Northeast Natural History Conference
April 23, 2022 Harrisburg, PA	Wildwood Park: Wetlands Festival
April 23, 2022 Menasha, WI	Heckrodt Wetland Reserve: Mayhem in the Mud!
April 24, 2022 Fort Myers, FL	“Ding” Darling Wildlife Society: 33rd Annual “Ding” Darling Day
April 26-29, 2022 St. Petersburg, FL	Center for Watershed Protection National Conference
April 27-28, 2022 Woodstock, VT	NEIWPC 32nd Annual Nonpoint Source Conference

MAY 2022

May 2-6, 2022 Boise, ID/Virtual	National Mitigation & Ecosystem Banking Conference: Invest in the Environment Discover Ecological Solutions
May 12-15, 2022 Porter, IN	Indiana Dunes Birding Festival
May 15-19, 2022 Orlando, FL	Association of State Floodplain Managers Conference

May 16-18, 2022 Southern California	2022 Southwestern Tribal Climate Change Summit: Exploring the Fire Within Us
May 16-20, 2022 Grand Rapids, MI	International Association for Great Lakes Research (IAGLR) IAGLR22: 65th Annual Conference on Great Lakes Research: Joint Aquatic Sciences Meeting 2022
May 21, 2022 Stone Harbor, NJ	The Wetlands Institute: Spring Shorebird and Horseshoe Crab Festival
May 24-26, 2022 Muskegon, MI	Michigan Department of Environment, Great Lakes, and Energy: U.S. Great Lakes Areas of Concern Conference
JUNE 2022	
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 8, 2022 San Francisco, CA	Aquarium of the Bay: World Ocean Day - Awareness to Action Climate Summit
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 2022	
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 77 th International Annual Conference: Elevating Conservation to New Heights
AUGUST 2022	
August 14-19, 2022 Montreal, Quebec, Canada	Ecological Society of America Annual Meeting: A Change is Gonna Come Deadlines: Important Dates
August 29-September 1, 2022 St. Paul, MN	Institute for Tribal Environmental Professionals: National Tribal & Indigenous Climate Conference

SEPTEMBER 2022

September 6-9, 2022 Duluth, MN	Natural Areas Association: Natural Areas Conference
September 19-22, 2022 Toledo, Spain	International Society of Environmental Indicators: 24th International Conference on Environmental Indicators
September 21-22, 2022 Port Aransas, TX	University of Texas Marine Science Institute: Texas Bays and Estuaries Meeting

OCTOBER 2022

October 3-7, 2022 Virtual & New York, NY	American Museum of Natural History: Student Conference on Conservation Science-New York
October 10-14, 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 2022

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

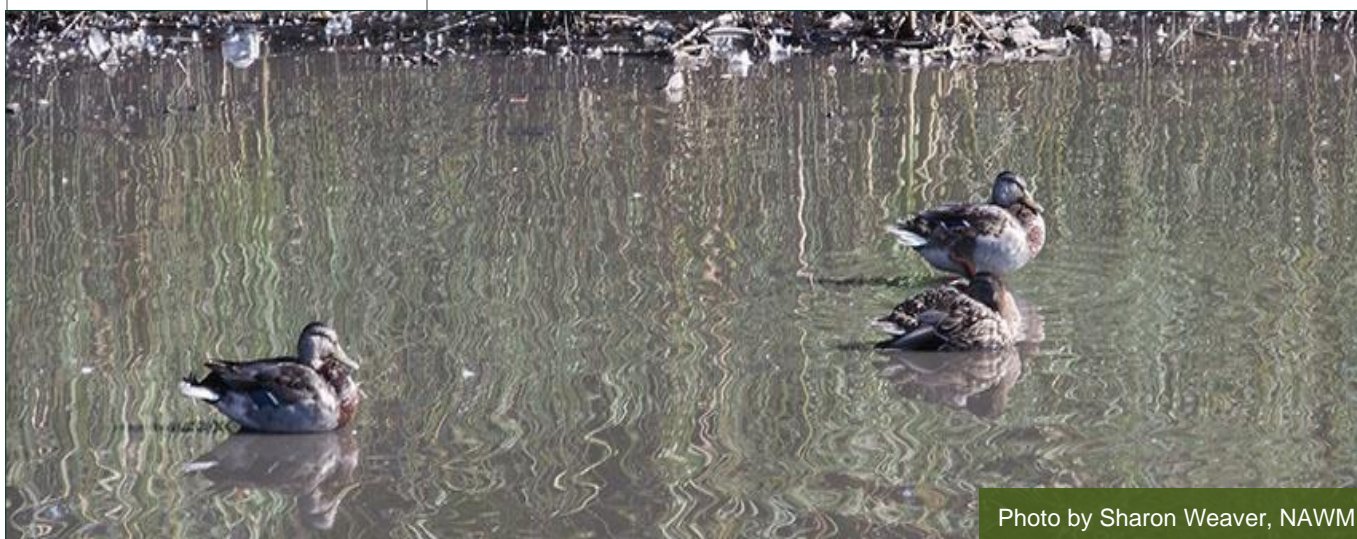


Photo by Sharon Weaver, NAWM

TRAINING/WORKSHOPS 2022

MARCH 2022

March 21-22, 2022 Online	EUCI Course: Endangered Species Act, Wetlands, and Stormwater Regulatory Compliance for Energy & Utilities
March 23-25, 2022 Online	Wetlands Training Institute, Inc. Course: Woody Plant Identification
March 25, 2022 Virtual	Massachusetts Association of Conservation Commissions (MACC) Training Program: Riparian Communities

APRIL 2022

April 25-28, 2022 Northern Virginia	Wetlands Training Institute, Inc. Course: Federal Wetland/Waters Regulatory Policy
April 25-28, 2022 Aliquippa, PA	Swamp School Course: Standard Wetland Delineation Training (Classroom/Field)
April 25-28, 2022 Online – 14 Weeks	Swamp School Course: Stream Restoration Level V – Stream Monitoring and Departure Assessment

MAY 2022

May 3-4, 2022 8:30 a.m.-3:30 p.m. EDT Online	Rutgers Office of Continuing Professional Education Course: Vegetation Identification for Wetland Delineation: North
May 7-8, 2022 Troutdale, VA	Blue Ridge Discovery Center: Vernal Pond Restoration Workshop
May 9, 11, 13, and 16, 2022 10:00 a.m.-4:00 p.m. EDT Online	Rutgers Office of Continuing Professional Education Course: Wetland Construction: Principles, Planning, and Design
May 11-12, 2022 8:15 a.m.-12:15 p.m. EDT Online	Rutgers Office of Continuing Professional Education Course: Restoration Ecology
May 16-20, 2022 St. Michaels, MD	Environmental Concern Course: Basic Wetland Delineation
May 25-27, 2022 Online	Wetlands Training Institute, Inc. Course: Graminoids (Grasses, Sedges, Rushes) ID for Wetlands and Wetland Delineators

JUNE 2022

June 1-2, 2022 8:30 a.m.-4:00 p.m. EDT Online	Rutgers Office of Continuing Professional Education Course: Hydric Soils
June 13-15, 2022 St. Michaels, MD	Environmental Concern Course: Wetland Plant ID
June 16, 2022 Virtual June 20, 2022 Field Trip	Rutgers Office of Continuing Professional Education Course: Methodology for Delineating Wetlands

AUGUST 2022

August 9-12, 2022 Portage, WI	Wetlands Training Institute, Inc. Course: Plant Identification for Wetland Delineators
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SEPTEMBER 2022

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 2022

October 10-12 St. Michaels, MD	Environmental Concern Course: Evaluating Hydric Soils in the Field
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NOVEMBER 2022

November 2, 2022 Online	Wetlands Training Institute, Inc. Course: Demystifying Wetland and In-Water Permitting in Washington State
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DECEMBER 2022

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

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- ◆ EPA Releases New Memo Outlining Strategy to Equitably Deliver Clean Water Through President Biden's Bipartisan Infrastructure Law
- ◆ EPA and Army Select 10 Roundtables to Highlight Regional Implications of WOTUS

NATIONAL NEWS

- ◆ NJ, PR, USVI: U.S. EPA awards funding to update National Wetland Inventory maps in New Jersey, Puerto Rico, and Virgin Islands
- ◆ The Ongoing Saga of Redefining WOTUS
- ◆ Giving Tribes More Support to Maintain Wildlife Habitat
- ◆ States' water permitting push sparks mine concerns

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- ◆ AK: EPA Assistant Administrator for Water Highlights Common-Ground WOTUS Strategy, Infrastructure Investment for Alaska
- ◆ KS: Making wetland restoration history in Kansas
- ◆ MI: Legislation would designate manoomin as state's official native grain
- ◆ MN: Potential impacts of emerald ash borer on wildlife in black ash wetlands
- ◆ NV: Nevada Geothermal Project Breaks Ground While Court Battles Rage: *Project Threatens Rare Toad with Extinction*
- ◆ OH: Ohio's 2023 State wetlands habitat stamp
- ◆ OH: Governor DeWine Announces \$3 Million in H2Ohio Grants for Ohio River Basin Wetland Projects
- ◆ PA: Greater Johnstown teachers plan 'adventurous' environmental lessons in elementary school's wetlands
- ◆ RI: Yearlong waits for some RI wetlands permits blamed on staff shortage
- ◆ UT: Utah Designates \$40 Million to Preserve the Great Salt Lake

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- ◆ Skunk Cabbage: This Spring Harbinger Makes Its Own Heat, Smells Like Rotting Meat
- ◆ Wetlands Help Fight Climate Change, But the Kind of Wetland Matters
- ◆ The Klamath story, told by its birds

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- ◆ New USDA NRCS Source Water Protection Website with National Maps
- ◆ IPCC Sixth Assessment Report: Climate Change 2022: Impacts, Adaptation and Vulnerability
- ◆ CEQ Publishes Draft Climate and Economic Justice Screening Tool, Key Component in the Implementation of President Biden's Justice40 Initiative
- ◆ Rediscovering, Reevaluating, and Restoring Lost River-Wetland Corridors
- ◆ U.S. coastline to see up to a foot of sea level rise by 2050

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- ◆ Mastering the art of conservation photography
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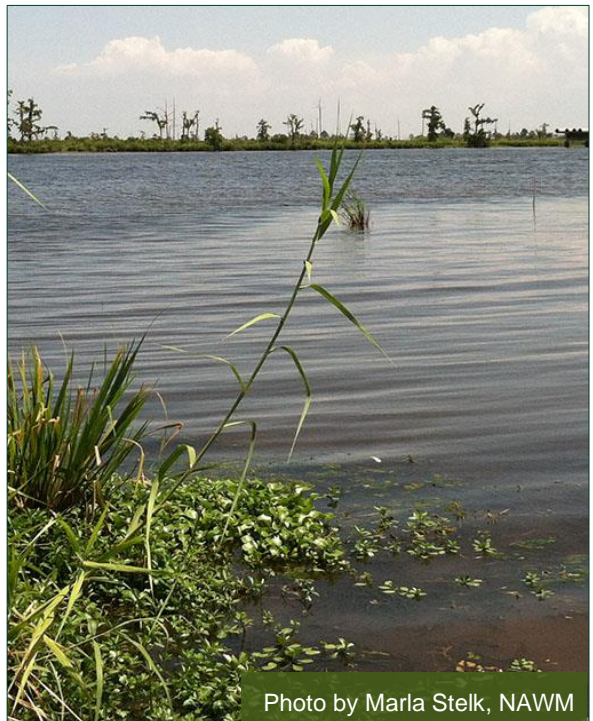


Photo by Marla Stelk, NAWM

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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.

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.

"WETLAND NEWS DIGEST" Compiled and edited by Audra Martin, Program Support Specialist and Maral Stelk, Executive Director; Laura Burchill and Sharon Weaver, Assistant Editors, National Association of Wetland Managers, 500 Washington Avenue, Suite 201; Portland, ME 04103; Telephone: 207-892-3399; Fax: 207-894-7992.

Send your news items, events, comments, corrections, or suggestions to news@aswm.org

