



# Wetland News Digest

## Editor's Note

Much attention has been paid to recent [Supreme Court rulings](#), inciting speculation on what that may mean for other environmental protections, including Waters of the U.S. Also related to defining waters, I spotlight a [functional definition of ponds](#) to help distinguish them from wetlands.

I hope you're all planning to join NAWM for our Annual Meeting in August. You'll hear the best and latest in wetland policy, science, and management and form great professional connections while being surrounded by nature. You can still register at standard rates through July 22!

Happy reading and be well as we enter the dog days of summer!

Audra Martin  
 Editor, *Wetland News Digest*  
 NAWM

**Know of an interesting news story? Share it with us at [news@nawm.org](mailto:news@nawm.org) and you may see it featured in the next issue!**



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Photo Credit: Laura Burchill, 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

### When SCOTUS meets WOTUS

By Hannah Northey – E&E News – July 8, 2022  
A famously messy 2006 Supreme Court ruling on the reach of the federal Clean Water Act over wetlands and isolated waterways is headed once again to the high court this fall. At issue: the “significant nexus test” that let federal regulators cast a wide net over wetlands and waterways. [Read more.](#)

### Supreme Court's EPA ruling could put other regs in danger

By Rachel Frazin – The Hill – June 30, 2022  
The Supreme Court's Thursday decision curtailing Environmental Protection Agency (EPA) authority could hamper regulations far beyond climate. The conservative majority in the 6-3 ruling [found that an Obama-era power plant rule was not permissible](#) since it didn't have “clear congressional authorization.” But legal experts say this principle could be applied elsewhere, restricting the Biden administration from imposing other regulations in areas including health and consumer protections. [Read more.](#)

### A functional definition to distinguish ponds from lakes and wetlands

By David C. Richardson, Merideth A. Holgerson, Mathew J. Farragher, M.J. et al. – Scientific Reports – June 21, 2022

Ponds are often identified by their small size and shallow depths, but the lack of a universal evidence-based definition hampers science and weakens legal protection. Here, we compile existing pond definitions, compare ecosystem metrics (e.g., metabolism, nutrient concentrations, and gas fluxes) among ponds, wetlands, and lakes, and propose an evidence-based pond definition. Compiled definitions often mentioned surface area and depth but were largely qualitative and variable. Government legislation rarely defined ponds, despite commonly using the term. This definition will inform the science, policy, and management of globally abundant and ecologically significant pond ecosystems. [Read report.](#)

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



Don't miss out on **NAWM's Annual State/Tribal/Federal Coordination Meeting**, to be held at the National Conservation Training Center (NCTC) from **August 15-19, 2022**. This is the 1st time that we have been able to meet in person since 2019 and we are very excited to see all of you again.

We are incredibly honored to have Ken Norton, the Chair for the National Tribal Water Council, as our Keynote Speaker. And you won't want to miss out on all the timely and innovative presentations and panel discussions focused on regulatory changes, equity, effective outreach and communication, nature-based solutions, geospatial tools and technology, mentoring the next generation of wetland professionals.

Oh and did we mention that we're going to have TWO bonfire social events outside this year??

## **IMPORTANT UPCOMING DEADLINES:**

**July 22: [Sponsorship Opportunities](#) Deadline**

(Join Pew Charitable Trusts and Ducks Unlimited as event sponsors!).

**July 22: [Standard Registration](#) Rates Deadline**

[View Final Draft Agenda \(Updated 7/13/22\)](#)



## **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](#)

# National News

## **Two Habitat Restoration and Coastal Resilience Funding Opportunities Open Under Bipartisan Infrastructure Law, One Focused on Underserved Communities**

NOAA Fisheries – June 29, 2022

Up to \$85 million in funding is available for habitat restoration and coastal resilience through the [FY2022 NOAA's Transformational Habitat Restoration and Coastal Resilience Grants Notice of Funding Opportunity](#). This funding will support transformational projects that restore habitat for our nation's fisheries and protected resources, while also strengthening the resilience of coastal communities and ecosystems. It will invest in projects that have the greatest potential to provide holistic benefits, through habitat-based approaches that strengthen both ecosystem and community resilience. [Read more](#).

## **EPA's WOTUS overhaul will trail Supreme Court ruling**

By Hannah Northey and Sean Reilly – E&E News – June 22, 2022

The Supreme Court will decide the fate of the nation's most contentious Clean Water Act rule before EPA releases regulations on the matter, according to a new regulatory blueprint released yesterday. Details about EPA's plans for "waters of the U.S.," or WOTUS — a regulation that determines the federal government's reach under the Clean Water Act — were tucked inside the Biden administration's sprawling regulatory agenda for this coming spring, which laid out planned executive branch actions on everything from water to air and energy policy, for months to come (E&E News PM, June 21). EPA doesn't plan to release a proposed rule to redefine WOTUS until November 2023, with no date specified for finalizing the rule, according to the Unified Agenda. [Read more](#).

## **NFWF Awards \$2.6 Million to Restore Forested Wetland Habitats in Lower Mississippi Alluvial Valley**

AP News – June 28, 2022

The National Fish and Wildlife Foundation (NFWF) today announced nearly \$2.6 million in grants to restore, enhance and protect ecologically important forest and wetland habitats in the Lower Mississippi Alluvial Valley. The grants will leverage \$4.5 million in matching contributions to generate a total conservation impact of \$7.1 million. These projects will support restoration efforts within the Lower Mississippi Alluvial Valley region of Arkansas, Illinois, Kentucky, Louisiana, Mississippi, Missouri and Tennessee. [Read more](#).

## **EPA Region 9 awards wetland restoration grants in Nevada, California, and Hawaii**

Contact: Soledad Calvino – U.S. Environmental Protection Agency – June 16, 2022

The U.S. Environmental Protection Agency (EPA) has awarded the following Wetland Program Development Grants: \$715,525 in [Nevada](#); \$2,765,854 in [California](#); \$264,116 to [Hawaii Department of Land and Natural Resources](#). All to boost programs that restore habitat, protect tribal water quality and preserve wetlands.

# NAWM Members' Webinar

**Members' Only  
Webinar**

Last week a [Florida judge dismissed a landmark "rights of nature" case](#) where the plaintiffs were two lakes, two creeks and a marsh. Interested in exploring different ideas around the legal rights of wetlands? Join NAWM's webinar:

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

**Wednesday, July 27, 2022 - 3:00 p.m.-4:30 p.m. ET  
(8:00 p.m.-9:30 p.m. BST)**

### Presenters:



**Gillian Davies**  
BSC Group



**Matt Simpson**  
35 Percent

[More Information](#)

[Register](#)

[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](mailto:laura@nawm.org) if you need assistance logging in.

**Recording  
Available**

# NAWM Members' Webinar

## 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

To view the members' webinar, please login to your [Members' Portal](#) and go to Video Library. Contact Laura at [laura@nawm.org](mailto: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

Visit the  
**NAWM**  
Website

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Webinars

Online Trainings

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Photo Credit: Audra Martin, NAWM

## **Kuskokwim Tribes: Tribes from Alaska's Kuskokwim region file superior court appeal to protect salmon streams from massive gold mine**

The Delta Discovery – June 25, 2022

While news about a proposed EPA action to protect Bristol Bay from the Pebble Mine made headlines last week, tribes in another Southwest Alaska watershed continued their battle against Donlin Gold, the largest gold mine many have never heard of. Opposition to the massive mining project has gone largely without the public awareness or support that has benefitted Bristol Bay, but a vast majority of Kuskokwim Tribes oppose the project and have resolved to fight it, along with the Alaska Village Council Presidents, Yukon-Kuskokwim Health Corporation, and National Congress of American Indians. [Read more.](#)

## **Yurok Tribe: Yurok Tribe to receive grant from EPA**

Triplicate – June 29, 2022

The Yurok Tribe's Wetland Program plan will receive \$309,718 to advance preservation and restoration of headwater wetlands in response to climate change. The project will create a Wetlands Headwaters Restoration and Prioritization Plan to inform better stewardship practices through the worsening drought. [Read more.](#)

## **FL: Two Lakes, Two Streams and a Marsh Filed a Lawsuit in Florida to Stop a Developer from Filling in Wetlands. A Judge Just Threw it Out of Court**

By Katie Surma – Inside Climate News – July 7, 2022

A Florida judge late Wednesday dismissed a closely-watched "rights of nature" case, finding that state law preempted an amendment to the Orange County Charter passed overwhelmingly by voters in 2020, that granted lakes, wetlands and streams the right to "exist" and "flow" as healthy ecosystems protected against pollution. [Read more.](#)

## **FL: What's in a name? Leon County asks whether Lower Lake Lafayette is a wetland**

By Casey Chapter – Florida Student News Watch – WFSU News – June 16, 2022

Between the buzz of insects and exhale of wind that stir the tall grasses and make ripples beneath the lily pads, the shallows of Lake Lafayette are noisy with life and activity. Recently, there has been discussion about whether this body of water — specifically Lower Lake Lafayette — is a lake at all. “I have seen this system change,” said Johnny Richardson, water quality scientist for Leon County. He explained why Lake Lafayette could be reclassified as a wetland. [Read more.](#)

## **ME: \$500K project will help restore Acadia National Park wetland**

By Laurie Schreiber – MaineBiz – June 14, 2022

Thanks to \$500,000 in new federal funding, a frequently flooded swath of Acadia National Park will get some shoring up to enhance its ecosystem — and use for recreation. “It looks beautiful but it’s not in good shape,” Acadia’s chief of natural and cultural resources, Rebecca Cole-Will, told the Acadia National Park Advisory Commission. Cole-Will was discussing a 100-acre area called the Great Meadow Wetland, which will receive funding through the Infrastructure Investment and Jobs Act for ecosystem restoration. [Read more.](#)

## **RI: Muskrats, ‘Crucial Wetland Engineers,’ Declining in R.I. - ecoRI News**

By Mike Freeman – ecoRI News – June 29, 2022

No one would call muskrats “charismatic megafauna.” They’re pudgy, small, and just rat-like enough. Semiaquatic, they inhabit sloughs, creeks, and swamps people rarely visit. Muskrats have been considered so prevalent and unremarkable that even people in tune with environmental goings-on have been unaware of the species’ 50-year decline. Biologists noted the nationwide trend early through trappers’ harvest data, but earnest study is a recent phenomenon. [Read more.](#)

## **UT: Audubon and The Nature Conservancy to Lead Great Salt Lake Water Trust**

Contacts: Joey Kahn, Karl Hunt, and Tracey Stone – National Audubon Society – June 16, 2022  
Today, the Utah Division of Forestry, Fire and State Lands (FFSL) announced the National Audubon Society (Audubon) and The Nature Conservancy (TNC) as the recipients of the Great Salt Lake Watershed Enhancement Program grant funds. These organizations, with dedicated staff and conservation expertise in Utah, will utilize the \$40 million appropriated during the 2022 legislative session to lead and implement a water trust to benefit Great Salt Lake and its wetlands. The trust will be used to enhance water quantity and water quality, with at least 25% of the funding used to protect and restore wetlands habitat to benefit the hydrology of Great Salt Lake. [Read more.](#)

## **WA: Heavy rainfall tests Steigerwald’s newly reconnected floodplain**

By Doug Flanagan – Camas-Washougal Post Record – June 23, 2022

A little more than one month after its completion, the new floodplain at Steigerwald Lake National Wildlife Refuge has met its first challenge. Local and regional officials welcomed the public back to Steigerwald on May 7 after a nearly 2-year closure for a project that reconnected the Gibbons Creek watershed and Steigerwald Lake to the Columbia River in an effort to prevent flooding in the area. [Read more.](#)

# MARSH

## MENTORSHIP ASSISTED RESOURCE & SUPPORT HUB

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

**Launching January 2023**

*A Joint Initiative Offered by*

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

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

For questions, contact Marla Stelk, Executive Director, NAWM at [marla@nawm.org](mailto:marla@nawm.org).



## INFORMATIONAL HOT TOPICS WEBINAR

### MARSH is Coming!

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

**Thursday, July 21, 2022**

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

- Greg Noe, Research Ecologists, 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](#)



# NAWM WETLAND MAPPING CONSORTIUM WEBINAR RECORDING

## Creative Approaches to Funding Wetland Programs and Inventories

Held Wednesday, June 15, 2022

### Presenters:



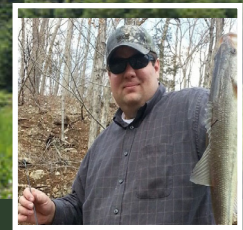
**Andy Robertson**

GeoSpatial Services at Saint Mary's University of Minnesota



**Mike Jones**

Stockbridge-Munsee Community



**Tim Bixler**

Missouri Department of Conservation

[View Recording](#)

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## 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

## Coastal freshwater wetlands squeezed between migrating salt marshes and working lands

By Emily Bernhardt – Science Advances – June 29, 2022

When Europeans first arrived on the North American continent, the area that would become the United States included some 221 million acres of wetlands (1). By the mid-1980s, more than half of those wetlands had been drained or filled, primarily in support of agricultural expansion. For most of U.S. history, the federal government treated wetlands as nuisance habitats that should be reclaimed for productive uses, investing federal capital in incentive programs that encouraged widespread ditching and drainage of the nation's wetlands and which referred to these activities as a "conservation practice" [Read more](#).

## Rural areas will bear the brunt of U.S. sea-level rise

By David Malmquist – VIMS – June 14, 2022

It's hotly debated whether coastal wetlands can survive sea-level rise by migrating inland. A new analysis using highly detailed elevation maps of the Chesapeake Bay region shows that—contrary to previous studies—human barriers will do little to slow this marsh migration. Instead, extensive areas of low-lying rural land will allow coastal marshes to persist and perhaps even expand as salty water creeps upward into what are now forests and farmland. [Read more](#).

## In the face of climate change, beavers are engineering a resistance

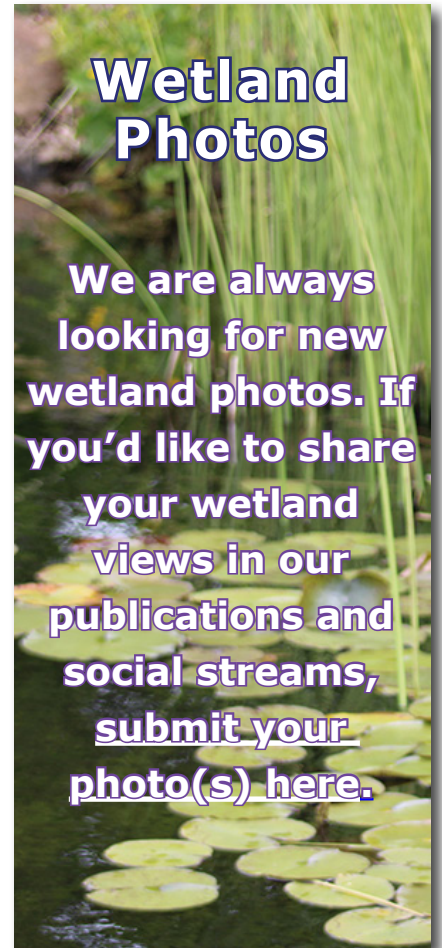
By Alex Hager – KUNC – June 17, 2022

In the foothills of Boulder County, Colorado, there's a kind of secret water park. It's a sprawling network of pools, channels and waterfalls. Neck-deep ponds, rushing streams and cascades twice the height of a person are a stark contrast to the dry, brushy terrain on the canyon slopes above. But these features weren't built by humans. This marshy mosaic is a paradise for beavers, and one of hundreds of thousands just like it across the American West. The animals create messy wetlands as safe places to live, and [a new paper](#) explains how their handiwork is also a powerful tool in fending off the harms of climate change. [Read more](#).

## To cut emissions, give microbes more copper?

Futurity – June 22, 2022

Microbes need some metals in their diet to stay healthy, as do we. The metals help the microbes fully "digest" food. After a good meal, the microbes that gain energy by chemically reducing nitrate release a harmless byproduct: nitrogen, the gas that makes up 78% of Earth's atmosphere. But if one metal in particular, copper, isn't available, these microbes can't complete the biochemical "digestive" process, called denitrification. Instead of releasing nitrogen, they'll release the potent greenhouse gas nitrous oxide. [Read more](#).



# NAWM Membership Join or Renew Today!

## *Help Support Our Nation's Wetlands*

- Exclusive access to our live Members' Webinar Series and archived library of webinar recordings (8 per year).
- Free Certificates of Attendance for all NAWM live webinars.
- Access to NAWM Online Training Library with the opportunity to earn free Certificates of Completion
- Free subscription to NAWM's bi-monthly membership newsletter, *Wetland News*
- Free subscription to NAWM's weekly news bulletin, *Insider's Edition*
- Reduced rates for participation in NAWM workshops and training sessions
- Discount from other organizations for wetland trainings and courses

- Opportunities for involvement in NAWM committees
- Voting rights in elections of the Board of Directors and all issues presented to members to vote
- Access to a robust online collection of wetlands references
- Access to a national network of wetland professionals
- A sense of pride knowing that you have directly supported active wetland conservation efforts nationwide
- Groups of 11 or more - include your linked logo on the homepage of the NAWM website
- Students: Complimentary 2022 membership with the Society of Wetland Scientists. [Learn More](#)

- Coming Soon - Access to a Members-only Federal Policy Tracking Tool
- Coming Soon - Members-only Discussion Forums on a range of topics

**JOIN/RENEW**

# Resources and Publications



Photo Credit: Sharon Weaver, NAWM

[Sign Up to Receive Information on Upcoming NAWM Webinars](#)

[View a list of NAWM Webinars](#)

## Upper Mississippi and Illinois Rivers Experiencing Widespread and Regional Changes

USGS – June 22, 2022

The U.S. Army Corps of Engineers, Rock Island District; and the U.S. Geological Survey, in partnership with others, have released a report regarding the Ecological Status and Trends of the Upper Mississippi and Illinois Rivers. The [Status and Trends report](#) is the third of its kind produced as part of the Upper Mississippi River Restoration (UMRR) program and includes information on long term changes in water quality, aquatic vegetation and fish from six study areas spread across the Upper Mississippi and Illinois Rivers. The report also summarizes trends in possible drivers of long-term changes in the river including river discharge and floodplain land cover. [Read more.](#)

## National Lakes Assessment 2017 Results

U.S. Environmental Protection Agency  
Healthy lakes enhance our quality of life. They sustain food webs and provide habitat for fish and wildlife. Lakes contribute to a healthy economy, supporting tourism and recreation and supplying drinking water. For the National Lakes Assessment (NLA), EPA, states, tribes, and other partners surveyed a wide array of lakes, from small ponds and prairie potholes to large lakes and human-made reservoirs. The *National Lakes Assessment: The Third Collaborative Survey of Lakes in the United States* presents the results of the 2017 survey of lake condition in the conterminous United States. [Read more and download the report.](#)

## Donate to NAWM

Your private donations directly support National Association of Wetland Managers (NAWM) ability to respond to time-sensitive issues as they arise and allow us to provide information, expert analysis, and recommendations regarding the impacts of potential policy and law on wetland protection programs and efforts. [Donate Here.](#)

# NAWM'S ONLINE TRAINING



## Have you visited our Online Trainings Library lately?

NAWM offers free, online training modules in Hydric Soils, Beaver-Related Restoration, and Compensatory Mitigation. 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.

## Youth Spotlight



### OUTDOORS.... A taste of nature

By T.J Ross – Coeur d'Alene Press – July 7, 2022

In today's highly digital and modernized world, it's easy for nature to take a back seat. Not so was the case for the second and fifth grade classes of Southside Elementary in the Lake Pend Oreille School District. In early June, Idaho Fish and Game staff participated in a field trip of a Fish and Game-managed wetland near the south end of Cocolalla Lake. While on the field trip, kids were treated to a tour of the property where they learned about the diverse wildlife species that rely on wetland habitats. Kids visited multiple stations, where they learned in more detail about monarch butterflies, aquatic insects and wetland habitat conservation and restoration.

[Read more.](#)

### Conservation Camp Has Students Thinking About How to Better the Future

By Noelle Walker MSN – July 15, 2022

For one week, nine students from across North Texas spent the night at John Bunker Sands Wetland Center for a unique summer camp experience called the Environmental Sustainability Summit, learning about environmental conservation and sustainability. "They don't realize that the environment is being harmed to a really great extent," 16-year-old camper Sushanth Elangovan from Frisco said. "I believe that the environment should be something people care about." [Read more.](#)

# Potpourri

## Past the Salt

By Skylar Knight – bioGraphic – July 14, 2022

In 2003, the multinational corporation Cargill sold more than 15,000 acres of its South Bay salt ponds— most but not all of its holdings—to the U.S. Fish and Wildlife Service, California State Coastal Conservancy, and the California Department of Fish and Game. This sale launched the South Bay Salt Pond Restoration Project. In the decades since, a consortium of more than a dozen nonprofits and state and federal agencies have collaborated to return much of the area to tidal marsh by mid-century. [Read more.](#)

## Groundbreaking held for extensive Lookout Slough wetland project

By Todd R. Hansen – Daily Republic – July 6, 2022

A groundbreaking ceremony for the extensive Lookout Slough Tidal Habitat Restoration and Flood Management Project was recently held, nearly a year after the project was stalled due to public access concerns. The Lookout Slough Project is a \$118.86 million, 3,000-acre habitat restoration and flood management project in the Cache Slough Complex in Solano County. [Read more.](#)



Photo Credit:  
Laura Burchill, NAWM

## Climate Benefits of Coastal Wetlands and Coral Reefs Show Why They Merit Protection Now

By Kim Jensen – PEW – July 6, 2022

Climate change is driving dramatic changes in weather patterns, which threatens communities around the world and ecosystems that once seemed far from harm's way. One proven way to combat rising temperatures and store carbon is through protecting and restoring coastal wetlands—namely mangroves, salt marshes, and seagrasses. Although these ecosystems make up less than 5% of the total land area on Earth and less than 2% of the ocean, they store about 50% of all carbon known to be buried in ocean sediments. [Read more.](#)

## Rare fireflies depend on habitat in New Jersey wetlands

By Maddy Lauria – Popular Science – June 29, 2022

As entomologists around the world raise the alarm about the loss of insects, one firefly fanatic in the Mid-Atlantic has made an unexpected discovery: four new species of bioluminescent beetles. These particular lightning bugs, all in the *Photuris* genus, may have long escaped detection because no one was really looking for them. Few people spend their free summer nights cataloging minute differences in firefly flashing patterns. But Delaware State University wildlife ecologist [Christopher "Kitt" Heckscher](#) treks out a few times during the season, seeking out the perfect wetland wilderness for the hypnotizing insects. [Read more.](#)

# NAWM Jobs Board

## [Senior Biologist/Ecologist](#)

Westervelt Ecological Services  
Sacramento, CA

## [Community & Private Land Conservation Supervisor](#)

Missouri Department of Conservation  
St. Joseph, MO  
Apply by August 7, 2022

## [Mitigation Biologist](#)

Ducks Unlimited  
Bismark, ND  
Apply by July 31, 2022

## [Agricultural Grant Program Coordinator](#)

Vermont Department of Environmental Conservation  
Apply by July 24, 2022

Visit the NAWM Jobs Board

# Grant Opportunities

NOAA - NMFS:

## [Restoring Tribal Priority Fish Passage through Barrier Removal](#)

Search: NOAA-NMFS-HCPO-2022-2007193  
Apply by August 29, 2022

NOAA - NMFS:

## [Transformational Habitat Restoration and Coastal Resilience Grants](#)

Funding No.: NOAA-NMFS-HCPO-202-2007195  
Apply by September 6, 2022

NOAA - NMFS:

## [Coastal Habitat Restoration and Resilience Grants for Underserved Communities](#)

Funding No.: NOAA-NMFS-HCPO-2022-2007354  
Apply by September 30, 2022

U.S. Fish and Wildlife Service:

## [North American Wetlands Conservation Act U.S. Small Grants](#)

Search #F23AS00015  
Apply by October 13, 2022

# Podcasts

NOAA Podcast: [Bringing Wetlands to Market](#)

National Geographic Podcast: [March of the beaver](#)

Scientific American Podcast: [National Park Nature Walks: Inside a Migratory Bird Sanctuary](#)

U.S. Geological Survey Podcast: [Thirty Years of Land Change in the U.S.](#)

# Calendar of Events

## WEBINARS

### July

July 21, 2022 3:00 p.m. EDT	National Association of Wetland Managers: Hot Topics Webinar: <a href="#">MARSH is Coming! Learn More about the New Mentorship Assisted Resource &amp; Support Hub</a>
July 27, 2022 10:00 a.m. EDT	Society for Ecological Restoration Webinar: <a href="#">Planning Makes Perfect - First Wetland Mitigation Bank in New York City Serves the Critical Needs of a Growing City</a>
July 27, 2022 3:00 p.m. EDT	National Association of Wetland Managers: Members' Webinar: Rights of Wetlands: <a href="#">Learning About Alternative Paradigms Designed to Respond to Climate and Biodiversity Emergencies</a>

### September

September 13, 2022 6:00 p.m. EDT	Society for Ecological Restoration Webinar: <a href="#">Lessons From Development of an Australian Blue Carbon Accounting Method for Restoration of Coastal Wetlands</a>
September 21, 2022 1:00 p.m. EDT	Center for Watershed Protection Webinar: <a href="#">Climate Change and Urban Flooding Issues</a>

### October

October 26, 2022 1:00 p.m. EDT	Center for Watershed Protection Webinar: <a href="#">Urban Forestry</a>
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### November

November 16, 2022 1:00 p.m. EDT	Center for Watershed Protection Webinar: <a href="#">Behavior Change for Watershed &amp; Stormwater Management</a>
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### December

December 7, 2022 1:00 p.m. EDT	Center for Watershed Protection Webinar: <a href="#">Stormwater Retrofitting</a>
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# CONFERENCES/EVENTS

## July

July 31-August 3, 2022 Denver, CO	Soil and Water Conservation Society 77th International Annual Conference: <a href="#">Elevating Conservation to New Heights</a>
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## August

August 8-11, 2022 Milwaukee, WI & Online	Institute for Tribal Environmental Professions: <a href="#">Tribal Lands and Environment Forum</a>
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August 14-19, 2022 Montreal, Quebec, Canada	Ecological Society of America Annual Meeting: <a href="#">A Change is Gonna Come</a>
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August 15-19, 2022 Shepherdstown, WV	National Association of Wetland Managers Annual State/Tribal/Federal Coordination Meeting: <a href="#">Protecting Waters in a Time of Rapid Change</a>
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August 18-19 2022 Lawrence, KS	Kansas Alliance for Wetlands and Streams, Inc.: <a href="#">Wetlands &amp; Streams Tour and Symposium</a>
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August 23-September 1, 2022 Stockholm, Sweden; Online	World Water Week: <a href="#">Seeing the Unseen: The Value of Water</a>
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August 28-September 2, 2022 Geneva, Switzerland	<a href="#">INTECOL 2022: Frontiers in Ecology: Science and Society</a>
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August 29-September 1, 2022 St. Paul, MN	Institute for Tribal Environmental Professionals: <a href="#">National Tribal &amp; Indigenous Climate Conference</a>
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## September

September 5-9, 2022 Alicante, Spain	Society for Ecological Restoration 13th European Conference: <a href="#">Restoring Nature, Reconnecting People</a>
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September 6-9, 2022 Duluth, MN	Natural Areas Association: <a href="#">Natural Areas Conference</a>
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September 15-17, 2022 New Orleans, LA	Land Trust Alliance: <a href="#">Rally 2022: National Land Conservation Conference</a>
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September 17, 2022 Stone Harbor, NJ	Wetlands Institute: <a href="#">Fall Migration Festival</a>
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September 19-22, 2022 Toledo, Spain	International Society of Environmental Indicators: <a href="#">24th International Conference on Environmental Indicators</a>
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September 19-23, 2022 Chicago, IL	AWCA: <a href="#">2022 Water Quality Modeling Workshop</a>
September 19-25, 2022 New York, NY	<a href="#">Climate Week</a>
September 21-22, 2022 Port Aransas, TX	University of Texas Marine Science Institute: <a href="#">Texas Bays and Estuaries Meeting</a>
September 26-28 2022 National Harbor, MD	<a href="#">StormCon</a>
September 26-30 2022 Burgenland, Austria	<a href="#">2020 Jackson Wild Summit: Regeneration</a>
<b>October</b>	
October 3-7, 2022 Virtual & New York, NY	American Museum of Natural History: <a href="#">Student Conference on Conservation Science-New York</a>
October 9-16, 2022 Toronto, Ontario, Canada	<a href="#">International Migration &amp; Environmental Film Festival</a>
October 10-12, 2022 Albuquerque, NM	Southwest Climate Adaptation Science Center: <a href="#">Southwest Adaptation Forum</a>
October 18-19, 2022 Milwaukee, WI	Healing Our Waters Great Lakes Coalition: <a href="#">Great Lakes Conference 2022</a>
October 23-28, 2022 Albany, NY	NEIWPC: <a href="#">11th U.S. Symposium on Harmful Algae</a>
October 24-26, 2022 Traverse City, MI	International Association for Great Lakes Research: <a href="#">State of Lake Michigan Conference</a>
October 25-27, 2022 Green Bay, WI	Midwest Invasive Plant Network: <a href="#">Upper Midwest Invasive Species Conference</a>

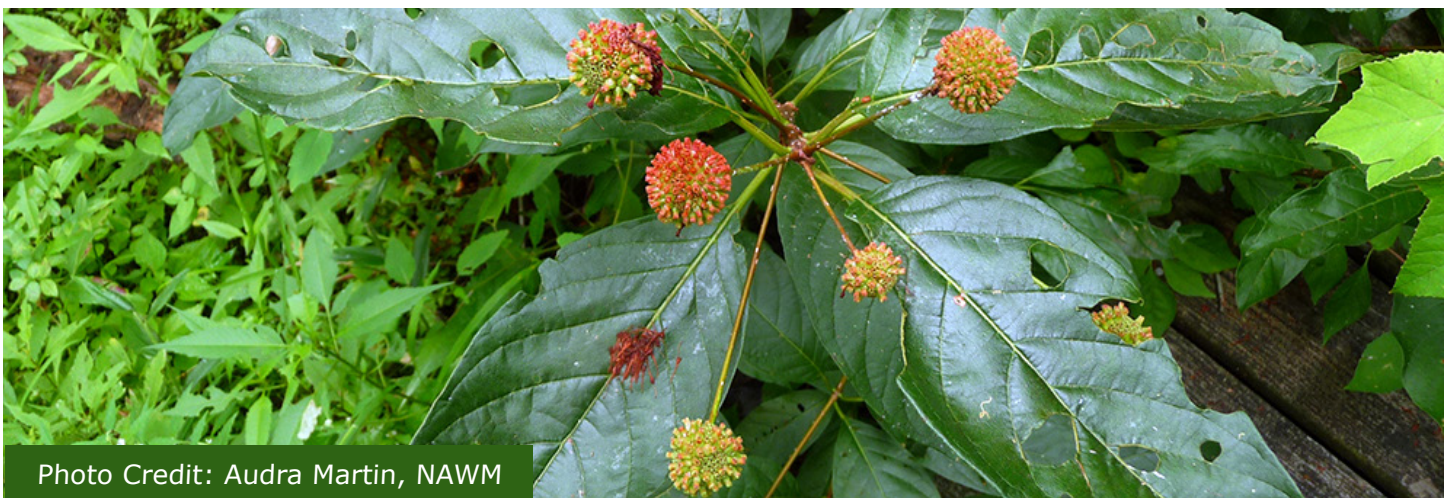


Photo Credit: Audra Martin, NAWM

<b>November</b>	
November 6-10, 2022 Spokane, WA	<a href="#">The Wildlife Society's 29th Annual Conference</a>
November 7-10, 2022 Ft. Myers, FL	<a href="#">North American Invasive Species Management Association 30th Annual Conference</a>
November 10-11, 2022 Fulton, MD	Centre for Watershed Protection: <a href="#">Coastal &amp; Island Symposium</a>
November 14-16, 2022 Ballina, New South Wales	Centre for Coastal Biogeochemistry at Southern Cross University: <a href="#">15th Australasian Environmental Isotope Conference</a>
<b>December</b>	
December 4-8, 2022 New Orleans, LA	Restore America's Estuaries: <a href="#">2022 Coastal &amp; Estuarine Summit</a>
<b>TRAINING COURSES</b>	
<b>July</b>	
July 29-30, 2022 Milwaukee, WI	University of Wisconsin Course: <a href="#">Wetland Delineation</a>
<b>August</b>	
August 1-3, 2022 Online	Rutgers Office of Continuing Professional Education Course: <a href="#">Vegetation Identification for Wetland Delineation: South</a>
August 1-12, 2022 Polson, MT	Flathead Lake Bio Station Course: <a href="#">Lake Ecology</a>
August 3, 2022 Online	Massachusetts Association of Conservation Commission (MACC) Class: <a href="#">Fundamentals Unit 104: Wetland Functions and Values</a>
August 7-13, 2022 Steuben, ME	Eagle Hill Institute Course: <a href="#">Field Botany of the Maine Coast: Learning to Network with the iNaturalist Communities</a>
August 9-12, 2022 Portage, WI	Wetlands Training Institute, Inc. Course: <a href="#">Plant Identification for Wetland Delineators</a>

August 11-12, 2022 Live Remote, WA - TBD	Northwest Environmental Training Center Course: <a href="#">Wetlands: Science and Regulatory Management</a>
August 21-27, 2022 Steuben, ME	Eagle Hill Institute Course: <a href="#">Ferns and Lycophytes: Identification, Biology, and Natural History</a>
August 22-25, 2022 Aliquippa, PA	Swamp School Course: <a href="#">Standard Wetland Delineation Training [Classroom/Field]</a>
<b>September</b>	
September 7, 2022 Freeport, ME	Maine Association of Wetland Scientist: <a href="#">MAPPS Field Workshop</a>
September 12, 2022 Marion, MA	Massachusetts Association of Conservation Commission (MACC) Class: <a href="#">Wetland Delineation for Beginners</a>
September 12-13, 2022 San Diego, CA	Wetlands Training Institute, Inc. Course: <a href="#">Riparian Habitat Restoration for the Arid Southwest</a>
September 12-16, 2022 St. Michaels, MD	Environmental Concern Course: <a href="#">Basic Wetland Delineation</a>
September 12-16, 2022 Lakewood, CO	Stream Mechanics Course: <a href="#">Stream Quantification Tool Field Camp</a>
September 13-14, 2022 Charleston, SC	Duncan & Duncan Wetland & Endangered Species Training: <a href="#">Identification of Grasses, Sedges, and Rushes</a>
September 13-16, 2022 Dupage County, IL	IWEER Course: <a href="#">Wetland Delineation: Corps Manual and Regional Supplement</a>
September 26-29, 2022 San Diego, CA	Wetlands Training Institute, Inc. Course: <a href="#">Federal Wetland/Waters Regulatory Policy</a>
September 26-30, 2022 Atlanta, GA	Duncan & Duncan Wetland & Endangered Species Training: <a href="#">Basic Wetland Delineation</a>
September 26-30, 2022 Shepherdstown, WV	Stream Mechanics: <a href="#">Stream Functions Pyramid and Quantification Tool Workshop</a>
<b>October</b>	
October 10-12, 2022 St. Michaels, MD	Environmental Concern Course: <a href="#">Evaluating Hydric Soils in the Field</a>
October 18, 2022 Atlanta, GA	Duncan & Duncan Wetland & Endangered Species Training: <a href="#">Wetland Delineation Overview (Coastal Plain or Eastern Mountains/Piedmont)</a>

<b>November</b>	
November 2, 2022 Online	Wetlands Training Institute, Inc. Course: <a href="#">Demystifying Wetland and In-Water Permitting in Washington State</a>
November 2-4, 2022 Live Remote, WA - TBD	Environmental Training Center Course: <a href="#">Wetlands: Science and Regulatory Management</a>
November 2-3, 2022 Atlanta, GA	Duncan & Duncan Wetland & Endangered Species Training: <a href="#">Advanced Hydric Soils, Atypical Wetlands, and Hydrology (Coastal Plain or Eastern Mountains/Piedmont)</a>
<b>December</b>	
December 5-7, 2022 St. Michaels, MD	Environmental Concern Course: <a href="#">Winter Woody Plant ID</a>
December 6-7, 2022 Portage, WI	Wetlands Training Institute, Inc. Course: <a href="#">Problematic Delineation Seminar</a>
December 8-9, 2022 Fort Lauderdale, FL	Southeast Florida Regional Climate Change Compact <a href="#">14th Annual Climate Leadership Summit</a>
December 12-16, 2022 Chicago, IL & Online	AGU Fall Meeting: <a href="#">Science Leads the Future</a>



Photo Credit: Laura Burchill, NAWM

# Wetland News Digest

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

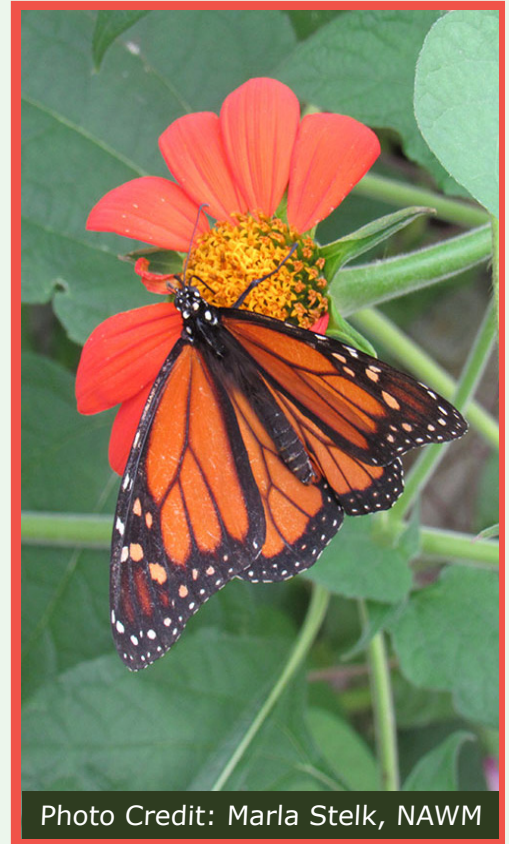


Photo Credit: Marla Stelk, NAWM

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



Photo Credit: Marla Stelk, NAWM

## **Complied and Edited by:**

Audra Martin, *Program Support Specialist*

Marla Stelk, *Executive Director*

## **Assistant Editors:**

Laura Burchill, *Office Manager*

Sharon Weaver, *Webmaster*

## **Contact Us:**

NAWM  
500 Washington Avenue, Suite 201  
Portland, ME 04103  
(207) 892-3399  
[laura@nawm.org](mailto:laura@nawm.org)