



WETLAND NEWS DIGEST

Monthly News Digest of the Association of State Wetland Managers

September 2021

Editor's Note

Dear Wetlanders,

Fall arrived swiftly in Maine this year –about a week or two before the official start of autumn, temps had already dropped into the 40s at night and into the low 70s during the day. It was a rush to find time over the weekend to harvest my tomato jungle and figure out what I would do this year with all our green ones. So, I decided to try out a recipe for green tomato relish that my sister shared me with several years ago - I look forward to testing out our concoction soon!



In this edition of *Wetland News Digest*, you will find some stories I selected for Editor's Choice that I hope you will enjoy, including one entitled [Mangrove Restoration Frustration](#). Its focus is more international, not just the U.S., but it resonated with me as it echoed a conversation I had with Robin Lewis, III a few years ago before he passed away. For those of you who are not familiar with Robin, he was one of the world's most respected mangrove restoration experts. And he had shared his frustrations with me regarding so many failed mangrove restoration projects, which he said were unsuccessful because "hydrological restoration is critical, planting mangroves is not." As often happens, we continue to find ourselves having to think outside the box, especially when it comes to wetland restoration. (As a side note, if you want to watch the webinar he did with us in 2014 on Atlantic Coast Coastal Marshes and Mangrove Restoration, [you can access it here](#).)

I hope you enjoy the harvesting season,

Marla J. Stelk
Editor, *Wetland News Digest*

In this Issue

- Editor's Choice
- National News
- State and Tribal News
- Wetland Science News
- Resources/Publications
- Potpourri
- Calendar of Events
- Index

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Editor's Choice



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Photo by Marla Stelk, ASWM

U.S. eyes wetland restoration as hedge against climate change

By Hannah Northey – E&E News – September 24, 2021

Americans have been draining wetlands for farming and development since colonial times. But climate change may reverse that tide — from destruction to restoration. Federal scientists are studying whether heat-trapping carbon dioxide can be sucked out of the atmosphere and sequestered in restored salt marshes, sea grass beds and mangrove swamps. And those wetlands can in turn protect communities along the coast from rising seas and fierce, frequent climate-driven storms. [Read more here](#).

Interior Secretary signs CSKT water compact

By Eric Dietrich – Indianz – September 23, 2021

U.S. Secretary of the Interior Deb Haaland formally executed the Confederated Salish and Kootenai Tribes water compact Friday, finalizing a long-running effort to negotiate an agreement that reconciles the tribes' historic treaty rights with Montana's modern water rights doctrine. In exchange for the CSKT relinquishing legal claims to thousands of off-reservation water rights, the agreement allocates \$1.9 billion to a trust fund dedicated in part to rehabilitating the Flathead Indian Irrigation Project. The tribes [have also regained control of the National Bison Range](#). [Read more here](#).

EPA Rescinds Previous Administration's Guidance on Clean Water Act Permit Requirements

U.S. Environmental Protection Agency – September 16, 2021

Today, the U.S. Environmental Protection Agency (EPA) is rescinding a guidance document entitled "Applying the Supreme Court's *County of Maui v. Hawaii Wildlife Fund* Decision in the Clean Water Act Section 402 National Pollutant Discharge Elimination System Permit Program" that was issued by the Trump administration on January 14, 2021. With this action, EPA is preserving longstanding clean water protections. "Using the tools provided by the Clean Water Act, EPA is committed to ensuring that all communities across America have clean and safe water," said EPA Assistant Administrator for Water Radhika Fox. "Under President Biden's Executive Order, EPA reviewed the last Administration's *Maui* guidance and found that it was inconsistent with EPA's authority to limit pollution discharges to our waters." [Read more here](#).

Waters of the United States/Clean Water Act: U.S. Environmental Protection Agency/Corps of Engineers to Follow Pre-2015 Regulatory Requirements

By Mitchell, Williams, Seig, Gates & Woodyard, PLLC – JDSUPRA – September 8, 2021

The United States Environmental Protection Agency and United States Corps of Engineers (collectively “EPA”) announced on September 3rd that they have halted implementation of the Navigable Waters Protection Rule (“NWPR”) and will interpret Waters of the United States (“WOTUS”): . . . consistent with the pre-2015 regulatory regime until further notice. EPA states that it is undertaking this action in light of the United States District Court for the District of Arizona’s August 30th Order vacating and remanding the Rule. See *Pasqua Yaqui Tribe, et al. v. United States Environmental Protection Agency, et al.*, No. CV-20-00266-TUC-RM. [Read more here.](#)

Mangrove Restoration Frustration

By Katarina Zimmer – Hakai Magazine – September 7, 2021

If any single event was a watershed for conservation of the world’s mangrove forests, it was the Indian Ocean tsunami of 2004. The day after Christmas that year, a Magnitude 9.1 earthquake thundered along a fault line on the ocean floor with a force that sent waves—some a hundred feet high—surging toward the densely populated coasts encircling the Indian Ocean. In the aftermath of the tsunami, some scientists reported that settlements behind swampy, shoreline mangrove forests often suffered less damage, and fewer casualties, than areas where the forests had been cleared for aquaculture or coastal developments. [Read more here.](#)

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- Subscription to the Association’s bi-monthly membership newsletter, *Wetland News*; and ASWM’s weekly news bulletin, *Insider’s Edition*
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Photo by Dennis P. Vasey, Marsh Paddlers

Upcoming ASWM Members' Webinar Series

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Developing a New Ecological Site Description for Karst Fens

Wednesday, September 29, 2021 - 3:00 p.m. – 4:30 p.m. Eastern

Presenter:



Frank Nelson
Missouri Department of
Conservation

[More Information](#)

[Register Here](#)

Members' Only Webinar – [Join ASWM Here](#)

Megafires Be Dammed: Can Beaver-created Fire Refugia Persist Through Extreme Wildfire Events?

Wednesday, October 27, 2021 - 3:00 p.m. – 4:30 p.m. Eastern

Presenter:



Emily Fairfax, Ph.D.
California State University
Channel Islands

[More Information](#)

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Photo by Laura Burchill, ASWM

National News



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Photo by Michael McDavid, Retired EPA

Biden Names President's Council of Advisors on Science and Technology

American Institute of Physics – September 24, 2021

President Biden named [27 members](#) of the President's Council of Advisors on Science and Technology (PCAST) on Sept. 22, bringing its total membership to 30. He previously [appointed](#) Caltech bioengineer Frances Arnold and MIT planetary geophysicist Maria Zuber as council co-chairs on Jan. 15, and Presidential Science Advisor Eric Lander serves ex officio as a third co-chair. [Read more here.](#)

Interior Department Announces More Than \$111 Million in Funding for Wetland Conservation Projects and National Wildlife Refuges

Mirage News – September 23, 2021

The Department of the Interior today announced that \$34 million in grants has been approved by the Migratory Bird Conservation Commission, which will provide the U.S. Fish and Wildlife Service and its partners the ability to help conserve or restore 177,000 acres of wetland and associated upland habitats for waterfowl, shorebirds and other birds in 20 states. The grants, made through the North American Wetlands Conservation Act (NAWCA), will be matched by \$74 million in partner funds. [Read more here.](#)

EPA unveils climate superpollutant regulation

By Jean Chemnick – E&E News – September 23, 2021

The Biden administration finalized a rule this morning that will allow the United States to join other countries in avoiding half a degree Celsius of warming this century — providing a down payment on the global project of keeping average temperatures from rising more than 1.5 C. EPA's rule sharply curtails domestic production and consumption of climate superpollutants used in cooling and refrigeration. The agency is meeting a deadline set by Congress to complete work on a hydrofluorocarbon rule by today that would ratchet down supply of the powerful class of greenhouse gases 85 percent by 2036. [Read more here.](#)

President Biden revives White House Tribal Nations Summit

By Acee Agoyo – Indianz.Com – September 22, 2021

As promised by the Biden administration, the White House Tribal Nations Summit is returning after a four-year absence. Tribal leaders are being invited to attend the summit, which is set to take place during the week of November 8. "President Biden and the Administration look forward to hosting a robust and meaningful dialogue with Tribal leaders on key issues, policy initiatives, and goals for Indian Country," the White House said in an [email to tribal leaders](#) on Wednesday morning. [Read more here.](#)

Trump Administration Broke the Law in Refusing to Protect Joshua Trees, Court Rules

By Chris D'Angelo – Huffpost – September 22, 2021

A federal judge in Los Angeles ruled Wednesday that the [Trump administration](#) violated the law when it declined to grant Endangered Species Act protections to the iconic Joshua tree. In 2019, the U.S. Fish and Wildlife Service rejected a petition from WildEarth Guardians to list the desert trees as threatened under the landmark 1972 conservation law. The agency said at the time that it analyzed a number of potential impacts, including drought, wildfire and climate change, and found that neither of the two species of Joshua trees, *Yucca brevifolia* or *Yucca jaegeriana*, warranted federal protection. [Read more here.](#)

Closed Out: How U.S. Farmers are Denied Access to Conservation Programs

National Sustainable Agriculture Coalition – September 13, 2021

According to data from the United States Department of Agriculture (USDA), between 2010 and 2020, just 31% of farmers who applied to the Environmental Quality Incentives Program (EQIP) and only 42% of farmers who applied to the Conservation Stewardship Program (CSP) nationwide were awarded contracts. Over the span of 10 years, EQIP turned down 946,459 contracts and CSP denied 146,425 contracts, at least partially for lack of funds. The whole farm approach supported by CSP and the practices supported by EQIP help farmers reduce greenhouse gas emissions, sequester carbon, and adapt to emerging and extreme climate-related changes. Right now, Congress has a unique opportunity in the budget reconciliation process, and later in the next Farm Bill, to dramatically increase spending for CSP and EQIP, which would have an immediate, tangible impact on farmers' ability to respond to the climate crisis. [Read more here.](#)

RECENTLY RECORDED ASWM WEBINARS

ASWM Members' Webinar Series

Drones 3.0 – Inexpensive Tools and Technologies to get from Wetland Drone Images to Wetland Assessment Deliverables

Held Wednesday, August 18, 2021

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Hot Topics Webinar

American Wetlands Month Webinar: Investing in Resiliency: Intersectional Perspectives of Wetlands, Infrastructure, and Healthy Communities

Held Tuesday, May 18, 2021

View Webinar

Wetland Mapping Consortium Webinar

The Expanding Role of Automated Feature Extraction in Wetlands Mapping

Held Wednesday, April 21, 2021

View Webinar

MENTORING THE NEXT GENERATION OF WETLAND PROFESSIONALS

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ABOUT ASWM

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

ABOUT SWS

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.

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INFORMATION ON THIS HOT TOPICS WEBINAR CAN BE FOUND HERE

UPCOMING HOT TOPICS WEBINARS

Risk Reduction for Mitigation Projects: Perspectives on Financial Assurances' Best Practices: Part 1 of 2: Letters of Credit & Escrow Accounts

Tuesday, December 7, 2021 - 3:00 p.m.-5:00 p.m. EST

Presenters:



Steve Martin, Retired
Institute for Water
Resources, U.S. Army
Corps of Engineers



Steve Moore,
Vice President of
Finance, Westervelt
Ecological Services, LLC



Amelia Savage
Environmental Attorney,
Stearns Weaver Miller

[More Information](#)

[Register Here](#)

Risk Reduction for Mitigation Projects: Perspectives on Financial Assurances' Best Practices: Part 2 of 2: Casualty Insurance & Surety Bonds

Tuesday, December 14, 2021 - 3:00 p.m.-5:00 p.m. EST

Presenters:

- Alexander Dam, Director, Surety & Performance Security, Aon
- Chris Baker, Principal, Conservation United
- Robert Spoth, President, Ecosystems Insurance

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State and Tribal News



New ASWM Beaver-Related Restoration Webpage Coming Soon

- Beaver-Related Restoration Webinars and Training Modules
- Training and Guidance on Beaver-related Restoration Techniques
- Placement, Modeling, Planning and Permitting Beaver-related Restoration
- Examples of Beaver-related Restoration

Photo by Sharon Weaver, ASWM

AK: EPA to protect Alaska's Bristol Bay, blocking major gold mine

By Dino Grandoni and Joshua Partlow – The Washington Post – September 9, 2021

The Environmental Protection Agency said Thursday that it would restore protections for Alaska's Bristol Bay, blocking the construction of a massive and controversial gold mine near the world's largest sockeye salmon run. The policy shift, indicated in a court filing Thursday in response to a lawsuit filed by the mine's opponents, deals a serious blow to a project that has been in the works for more than a decade and would have transformed southwest Alaska's landscape. [Read more here.](#)

CA: 'Explosive' Dixie Fire could be worst in Calif. history

By Anne C. Mulkern – E&E News – ClimateWire – September 10, 2021

The Dixie Fire is headed toward becoming the biggest blaze in California history as it devours mountainsides of brittle trees and shrubs caused by a yearlong drought and record heat. Firefighters have been battling the wildfire in the Sierra Nevada since mid-July. It has burned more than 927,000 acres, and 41% of it is still blazing uncontrollably. [Read more here.](#)

CA: Enhanced wetland on UCSC's Coastal Science Campus will benefit threatened frogs

By Tim Stephens – UC Santa Cruz – September 1, 2021

The California red-legged frog is a threatened species that has been found on the UC Santa Cruz Coastal Science Campus but has not been known to breed there successfully. That may soon change with the construction of a small pond designed to enhance an existing seasonal wetland and provide potential breeding habitat for the native frog. [Read more here.](#)

DE: Living shoreline project in Assawoman Wildlife Area wins award

Coastal Point – September 8, 2021

Delaware's SassafRAS Landing living shoreline, a joint project of DNREC and the Delaware Center for the Inland Bays, has been recognized as one of the 2021 Best Restored Shores by the American Shore & Beach Preservation Association (ASBPA). ASBPA cited the project, located on DNREC's Assawoman Wildlife Area near Frankford, as one that successfully improved the area's resiliency to sea-level rise by increasing protection to the "35-Acre Pond," an impoundment on the wildlife area, restoring surrounding salt marsh, and reducing nutrients such as nitrogen and phosphorus in the adjacent Miller Creek. [Read more here.](#)

FL: Florida Cabinet, DeSantis clear way for Miami-Dade's highway through Everglades wetlands

By Adriana Brasileiro – Miami Herald – September 22, 2021

Rejecting a judge's recommendation, Gov. Ron DeSantis and the Florida Cabinet cleared the way for Miami-Dade County's plans to build a highway through wetlands meant to help preserve the Everglades and the county's drinking water supply. Environmentalists vowed to fight the decision. The item, listed without details on the cabinet's public agenda, came up in the last few minutes of a meeting Tuesday and was quickly approved by DeSantis, Chief Financial Officer Jimmy Patronis and Attorney General Ashley Moody. Agriculture Commissioner Nikki Fried, who has announced she will run for governor herself, was the only no vote, arguing the controversial project will be harmful to the environment. "You're siding with developers in favor of harming Everglade's restoration, risking wildlife, agricultural lands and Miami-Dade's water supply, not really reducing urban sprawl," she said during the meeting. [Read more here.](#)

HI: Hawaii's youth plant seeds of sustainability in annual environmental program

By Mindy Pennybacker – Yahoo News - The Honolulu Star-Advertiser – August 22, 2021

Restoring native plant habitat can be grueling, but it's also very rewarding, says Yongjin Lee, 17, who has been growing indigenous shrubs from seeds in his Hawaii Kai backyard and out planting them in a nearby wetland and on the campuses of Kaiser High School, where he is a senior, and Hahaione Elementary School. One of 18 conservation projects by high school students during the 2020-2021 Hawaii Youth Sustainability Challenge, an annual program founded in 2016 by Kupu and Kokua Hawai'i Foundation, Lee's seeding effort aims to help restore native forests and grasslands in Maunaloa, the original name of Hawaii Kai. [Read more here.](#)

ID: Wetland restoration to continue this fall

By Josh McDonald Shoshone – News-Press – August 31, 2021

The Environmental Protection Agency is closing in on the completion of part of an important ongoing project in the Chain Lakes region of the Lower Coeur d'Alene Basin. The ongoing project to convert Gray's Meadow from an agricultural field into a thriving wetland has been going on for some time, but in the fall, they will begin a few simple yet important steps in the project. [Read more here.](#)

IL: Lake County Restoration Project aims to revitalize increasingly dry land

By Marcella Raymond – WGNTV – August 22, 2021

A restoration project in Lake County, Illinois is looking to revitalize the soil to work "with" climate change to help plants grow once again. In Grant Woods in Lake County, the soil is so dry that plants have difficulty growing. "We're not going to stop climate change. It's happening," Pati Vitt of the Lake County Forest Preserve District said. [Read more here.](#)

IN: Governor Appoints Members of Indiana Wetlands Task Force

By Enrique Saenz – Indiana Environmental Reporter – September 22, 2021

Gov. Eric Holcomb has appointed the 13 members of a task force that will research strategies to protect Indiana's isolated wetlands and develop measures to incentivize their protection. The task force was created as part of [Senate Enrolled Act 389](#), a law passed by the Legislature earlier this year that removed state protections for half of the state's remaining wetlands and weakened protections that remained. [Read more here](#)

Klamath Tribes-ODOT Wetland Restoration

By Denise Ross – Mail Tribune – August 24, 2021

ODOT has collaborated with the Klamath Tribes to create the first of its kind wetland restoration project where the endangered Lost River and Short Nose Sucker fish will be protected as juveniles and then released into the Klamath Lake as adults. [View video here.](#)

KS: Wetland Park project moving forward behind the scenes

By Chad Frey – The Kansan – September 4, 2021

It may not appear like there is anything going on at a wetlands near Southwest 14th and Sand Creek — but there is plenty happening. A place that has become a hotspot for birdwatchers will become a park over the course of the next few years — a project approved by the city last year that will be privately funded. [Read more here.](#)

LA: Kennedy announces two million dollars to support wetlands and birds

By Trinity Velazquez – brproud – September 23, 2021

U.S. Sen. John Kennedy announced two million dollars in funding to support wetland conservation and bird populations in southeast Louisiana. “I am pleased to see these resources flow into in Southeast Louisiana and Vermilion Parish to support bird habitats,” Kennedy said in a press release. The two million comes from the Department of Interior’s Fish and Wild Service and will be awarded in two parts. One million will go towards aid conservation education and practice, outdoor recreation plus bird species such as black rails, brown pelicans, and bald eagles in 4,885 acres in southeast Louisiana. [Read more here.](#)

LA: Louisiana’s Native communities face a long recovery after Hurricane Ida

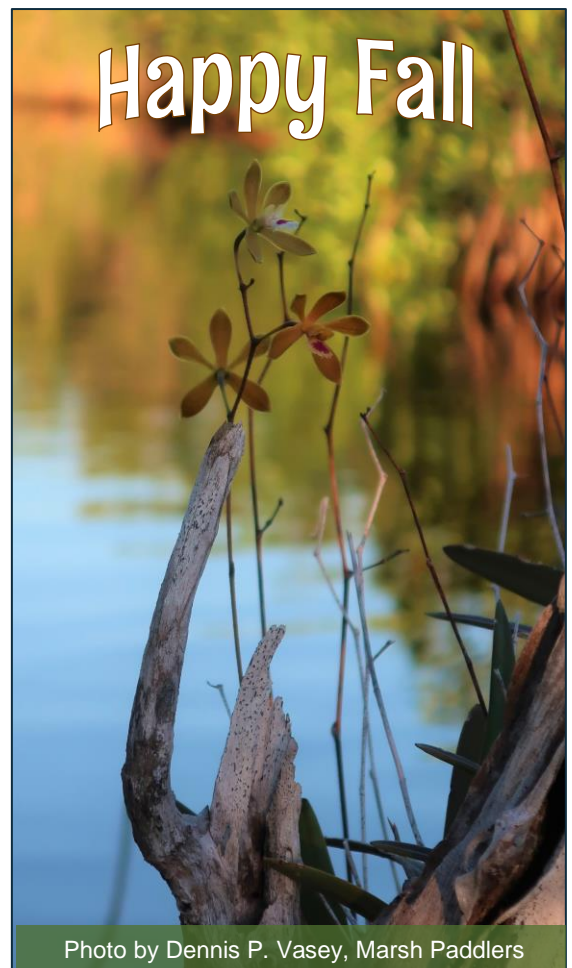
By Mark Armano – Grist – September 1, 2021

When Hurricane Ida came barreling toward Louisiana on Sunday, New Orleans wasn’t the only target. Several Native American communities, some based on narrow stretches of soil among the wetlands, were also hit hard by the storm. One of those communities was the United Houma Nation, which is recognized by the state but not the federal government, has about 19,000 members spread out over six southern parishes, with tribal offices in Golden Meadow, Louisiana. [Read more here.](#)

LA: Hurricane Ida Deemed a 'Poster Child' for Climate Disaster as Storm Slams Louisiana

By Jake Johnson – Common Dreams – August 30, 2021

More than a million Louisiana residents were without power Monday morning and at least one person was reportedly killed as Hurricane Ida pummeled the Gulf Coast of the United States, causing life-threatening flooding, lashing homes and buildings with powerful wind, and slamming the industry that some experts blamed for the catastrophic storm. [Read more here.](#)



MD: Governor Hogan Announces Office of Outdoor Recreation

Maryland.gov – September 24, 2021

Governor Larry Hogan today announced the creation of the Office of Outdoor Recreation within the Maryland Department of Natural Resources (DNR) and the hiring of J. Daryl Anthony to serve as its first executive director. “One of our state’s hallmarks is the stewardship of our lands and waters by the Marylanders who love them,” said Governor Hogan. “Our sportsmen and women were among the first conservationists to support efforts to protect fish, wildlife, and their habitat. Today we are honoring this partnership for the outdoors while assuring that it continues to grow with the establishment of Maryland’s first Office of Outdoor Recreation.” [Read more here.](#)

MD: Floating Wetlands Planned for Inner Harbor to Revive Urban Ecosystems, Clean Water

By Elizabeth Shwe – Maryland Matters – September 9, 2021

The Inner Harbor was once lined with tidal salt marshes, only a few feet deep and teeming with aquatic life. But Baltimore became a major industrial city by the early 19th century. Marshes were dredged out, replaced by piers and deepwater shipping ports with depths as great as 25 feet. Now the National Aquarium is trying to recreate those rich tidal marshes of yore by building an oasis of floating wetlands at the aquarium’s campus off Pratt Street. It will be open for the public to visit when it is complete in about two years, said Jack Cover, general curator of living exhibits at the National Aquarium. [Read more here.](#)

MA: Opponents turn out for hearing on proposed wetland protection zone change in Attleboro

By George W. Rhodes – The Sun Chronicle – August 18, 2021

A controversial proposal to extend the city’s wetland protection zone by 50 feet was the subject of a continued public hearing before the city council Tuesday, and this time opponents were the only ones who showed up. Some were homeowners and some were homebuilders. Homeowner Leo Johnson of Phillips Street said the city would be stealing his land if the amendment to the wetland law is approved by the council. [Read more here.](#)

MI: Neighboring Chikaming Open Lands 'family' preserves explored

By David Johnson – Harbor County News – September 7, 2021

Two of Chikaming Open Lands’ newest preserves were explored on Aug. 1. COL Executive Director Ryan Postema led a walk through the adjoining Merritt Family and Younger Family Preserves (located off South Mydra Road in Union Pier). The event was sponsored by Harbor Country Hikers. The two Chikaming Open Lands (COL) preserves protect 60 acres of forest and wetland consisting of two contiguous preserves stretching from Mydra Road (the entrance is located near the end of that street north of Elm Valley Road) to East Road. [Read more here.](#)

MN: Minn. appeals tribal courts greenlight on 'wild rice' lawsuit re Line 3

By Sebastien Malo – Reuters – September 14, 2021

A Minnesota agency has appealed a federal judge's dismissal of its bid to end a case pitting it against a Native American tribe that sued, in tribal court, over a permit the agency granted Enbridge for its Line 3 oil pipeline replacement project, a Monday filing in federal appeals court showed. The Minnesota Department of Natural Resources (DNR) is appealing to the 8th U.S. Circuit Court of Appeals a September ruling in which the federal judge in St. Paul tossed claims by the state that it is immune from being sued in tribal court. The judge ruled that it is rather the tribe, northwestern Minnesota's White Earth Band of Ojibwe, as well as the tribal court that are immune from being sued. [Read more here.](#)

NY: Governor Hochul Announces Completion of Resiliency Projects in Jefferson and Monroe County

Governor Kathy Hochul – Governor New York – August 27, 2021

Governor Kathy Hochul today announced the completion of construction on a \$5.4 million project awarded to Jefferson County, through New York State's Resiliency and Economic Development Initiative. This project addressed the flooding of an 1,800 linear foot section of County Road 57 and its shoulder, which falls between Chaumont Bay and Lake Ontario. During high water events the use and safety of the residents and first responders traveling this route is negatively impacted, requiring the County Highway Department crews to routinely monitor and periodically close, clear, and repair the roadway, as it provides the only land access to the peninsula for area homes. [Read more here.](#)

OR: The effort to save Upper Klamath Lake's endangered fish before they disappear

By Anna V. Smith – High Country News – August 19, 2021

C'waam and koptu fish usually arrive in early spring to spawn in the creeks and rivers around Upper Klamath Lake, in southern Oregon. But this year, the fish didn't turn up as expected. The two dwindling species are found only in this basin, and Klamath Tribes biologists thought that maybe, for the first time, the worst had happened — that they would not show up at all. But finally, they appeared. On a morning in May, a c'waam swam into view, its thick, speckled body around two feet long. Faryn Case, a biologist at the Klamath Tribes' research facility and a Klamath tribal member, stood waiting in the shallows of the lake, ready to collect the c'waam's eggs, which are the size of BB gun pellets. [Read more here.](#)

VA, WV: FERC Issues Assessment on Mountain Valley Pipeline Changes

By Bobby Bordelon – The West Virginia Daily News – August 30, 2021

Project changes could be coming to the Mountain Valley Pipeline in Greenbrier County after a public comment period ends on September 13. According to an application filed with the Federal Energy Regulatory Commission (FERC) in February, Mountain Valley Pipeline is seeking the ability "to change the crossing method for specific wetlands and waterbodies yet to be crossed by the project from the open-cut crossings to one of several trenchless methods." [Read more here.](#)

WI: 6 tribes sue Wisconsin to try to stop November wolf hunt

By Steve Karnowski – Associated Press – September 21, 2021

Six Native American tribes sued Wisconsin on Tuesday to try to stop its planned gray wolf hunt in November, asserting that the hunt violates their treaty rights and endangers an animal they consider sacred. The Chippewa tribes say treaties give them rights to half of the wolf quota in territory they ceded to the United States in the mid-1800s. But rather than hunt wolves, the tribes want to protect them. [Read more here.](#)

WY: Off-leash dog activity at Casper's Morad Park may be causing wetlands to become dead zone

By Brendan LaChance – Oil City News – August 24, 2021

The Casper City Council is set to discuss a request from the Murie Audubon Society during its Tuesday, August 24 work session to support an effort to help restore lost habitat for birds and amphibians in and around Morad Park. Morad Park is an off-leash dog area that is adjacent to property owned by the Murie Audubon Society and property owned by the Wyoming Game and Fish Department, [according to a memo from city staff in the council's work packet.](#) A wetland complex that once was home to a number of birds, amphibian and other species has been significantly impacted by dog activity. [Read more here.](#)

Wetland Science News



Wetland Events

Moonlight on the Marsh

Friends of the Ballona
Wetlands
Ballona Discovery Park
Playa del Rey, CA
October 9, 2021

The Big Sit

Worldwide
October 9-10, 2021

Frog-a-palooza

Little River Wetlands
Project
October 16, 2021

[See Calendar of
Events Below](#)

Photo by Leslie Stovring, City of
Eden Prairie

How oyster reefs protect against hurricane damage

By Teresa Carey – Freethink – September 25, 2021

When Hurricane Sandy hit New York in 2011, it caused a 14-foot storm surge. And earlier this month New Yorkers were reminded again how vulnerable their coastal city is to flooding. With climate change comes rising seas and more significant storms. It will become more challenging to keep the floodwaters out. Now, places as diverse as Bangladesh, New York, and the Gulf Coast are turning to eco-engineering, which involves designing ecosystems for the benefit of humans and nature. Their floodwater solution: building huge oyster reefs to act as a natural breakwater. [Read more here.](#)

Ghost forests creep up U.S. East Coast

By Andrew Bossone and Maura Barrett – NBC News – September 21, 2021

Shawn LaTourette sees a warning on the coast of New Jersey in the miles of Atlantic white cedar trees that have devolved into what researchers call ghost forests. It's a term that points to the visceral changes of the landscape — going from lush green to a pale white — and the destruction of the area's crucial role as a biodome and coastal buffer. These once-thriving forests are a direct result of climate change as the trees are suffocated by saltwater intrusion sparked by sea level rise and an uptick of hurricanes and superstorms. [Read more here.](#)

Cathlamet deer refuge wetland restoration a success for salmon, birds, deer and people

By Marissa Heffernan – The Daily News – September 8, 2021

After seven years of tides, it's hard to tell the restored tidal wetland portion of the Julia Butler Hansen Columbian White-Tailed Deer National Wildlife Refuge was once dry land. "It's proven to be a real success," Jackie Ferrier, project leader for the Willapa National Wildlife Refuge Complex said. "There's some deer use, the deer are protected (from floods), there's a really good fish response which is great, and the waterfowl response has been fantastic as well." [Read more here.](#)

Coastal Wetlands Offers More Storm Protection Than Massive Seawalls

By Precious Smith – Nature World News – August 19, 2021

Coastal communities all over the world are experiencing more threats from tropical cyclones. Climate change is prompting the rise in sea levels and frequent storms which is intense. Many coastal communities are thinking of an action to take. Should they construct enormous seawalls in an attempt to safeguard already existing infrastructure? Do they lose hope in their current coastal spot and retreat inland? Or is there any other way? [Read more here.](#)

Hundreds of endangered frogs hop back to wetlands home

Oregon Zoo – August 12, 2021

Hundreds of northern leopard frogs reared at the Oregon Zoo are hopping back into the wild this month, thanks to a collaborative effort to save one of the last remaining Northwest populations of this imperiled amphibian. The froglets, which hatched from eggs collected by the Washington Department of Fish and Wildlife earlier this year, spent six months growing big and strong in a protected area at the zoo before being released into the Columbia National Wildlife Refuge this summer. [Read more here.](#)

Added ASWM Membership Benefit

ASWM is pleased to announce special discounts available to ASWM Members for non-ASWM Wetland Trainings and Courses:

- [Eagle Hill Institute](#) is offering ASWM Members a 20% discount on tuition and accommodations.

Upcoming Online Seminar: The Worlds of the Ants: Natural History, Cultural History, and Research Perspectives – October 15-19, 2021

To view their upcoming Eagle Hill Institute seminars and workshops, [go here.](#)

- [Swamp School](#) is offering ASWM Members a 10% discount on their wetland courses. No size restrictions or limits. For a complete list of Swamp School courses, [go here.](#)

If you are a current ASWM member and would like access to the discount codes, please log into the [ASWM website](#). After login, the Welcome Page will have a link for more information along with codes needed.

Not an ASWM Member?

[See Benefits of Membership](#)

[Join Here](#)



Marla Stelk, Executive Director, ASWM attending Eagle Hill Institute Wetland Identification and Delineation Class
Photo by Matt Schweisberg, Wetland Strategies and Solutions, LLC

ASWM'S WETLAND JOBS BOARD

Wetlands Project Managers

Indiana Department of Environmental Management
Indianapolis, IN

Science Communications - Students

U.S. Geological Survey
National Climate Adaptation Science Center
Reston, VA
Apply by October 1, 2021

Resource Conservationist Project Manager

Oneida Nation
Oneida, WI
Apply by October 4, 2021

Natural Resources Specialist

Natural Resources Conservation Service
Americus, GA
Apply by October 4, 2021

Research in Urban Ecology and Native Plants

U.S. Geological Survey
Reston, VA (DC Area)
Apply by October 11, 2021

Assistant Professor/Environmental Science & Policy

Southern Oregon University
Ashland, OR
Apply by October 15, 2021

Senior Water Quality Environmental Engineer (Environmental Engineer 3)

Oregon Department of Environmental Quality
Bend, The Dalles, or Pendleton, OR
Apply by October 17, 2021

Natural Resources Project Managers S&ME

Apply by October 31, 2021

Assistant/Associate Professor – Natural Resource Economics and Policy

University of Florida: College of Agricultural and Life Sciences
Apply by November 1, 2021

Environmental Education Coordinator (Entry Level)

Swamp School
Angier, NC
Apply by November 1, 2021

[Visit the ASWM Wetland Jobs Board Here](#)

GRANT OPPORTUNITIES

Climate Program Office FY2022

NOAA
Search: NOAA-OAR-CPO-2022-2006799
Apply by October 18, 2021

NACA FY22 U.S. Small Grants - Environment

U.S. Fish and Wildlife Service
Search: F22AS00032
Apply by October 14, 2021

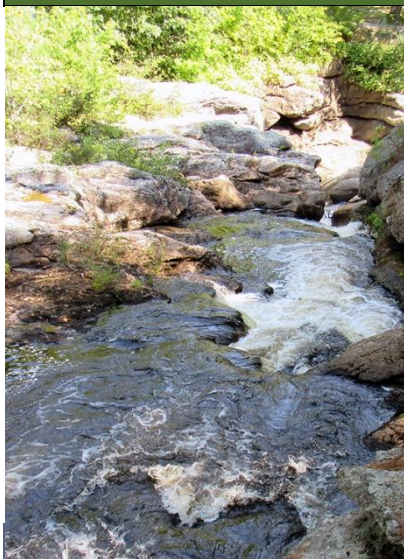
WaterSMART Environmental Water Resources Project for Fiscal Year 2022

Bureau of Reclamation
Apply by December 9, 2021

International Coral Reef Conservation Grants & Cooperative Agreements

NOAA
Funding No.: NOAA-NOS-OCM-2022-2006993
Apply by December 1, 2021

Resources and Publications



Visit
ASWM
on
Social
Media



Photo by Marla Stelk, ASWM

EPA Report Shows Disproportionate Impacts of Climate Change on Socially Vulnerable Populations in the United States

A new EPA analysis released today shows that the most severe harms from climate change fall disproportionately upon underserved communities who are least able to prepare for, and recover from, heat waves, poor air quality, flooding, and other impacts. EPA's analysis indicates that racial and ethnic minority communities are particularly vulnerable to the greatest impacts of climate change. 'Climate Change and Social Vulnerability in the United States: A Focus on Six Impact Sectors' is one of the most advanced environmental justice studies to date that looks at how projected climate change impacts may be distributed across the American public. [Read more here](#). [Download report here](#). [Information about climate change](#). [Information about environmental justice](#).

Now Available: International Guidelines on Natural and Nature-Based Features for Flood Risk Management

NOAA – September 17, 2021

[High tide flooding events](#) are increasing across the nation. With [40% of the U.S. population living in coastal counties](#) and that population projected to increase, it is clear that a significant portion of the nation is increasingly vulnerable to these hazards. The recently published U.S. Army Corps of Engineers (USACE)-led [International Guidelines on the Use of Natural and Nature-Based Features for Flood Risk Management](#) represent the current state of the science on conceptualizing, planning, designing, engineering, implementing, and maintaining natural and nature-based feature (NNBF) projects. [Read more here](#). [Download report here](#).

The Swamp School and Wildnote Partnership Modernizes Wetland Fieldwork Education

By Anita Henry – Wildnote – August 25, 2021

Beginning today, the Swamp School is using the leading wetland technology platform, Wildnote Wetland, in their classes and training programs. Wildnote Wetland is a mobile field data collection app with a web-based data management and reporting platform that supports wetland professionals performing delineations, stream assessments, and rapid assessments to determine wetland health. It is a key component of the broader Wildnote environmental compliance automation technology platform. [Read more here](#).



Visit the ASWM Clean Water Act Webpage

- U.S. District Court order vacates and remands the Navigable Waters Protection Rule (8/30/21)
- Find a list of scientific literature that postdates the 2015 Connectivity Report
- WOTUS pre-proposal comment period for state and tribal governments and intergovernmental associations closes Oct. 4

Photo by Audra Martin, ASWM



EXPLORE Wetlands

Barataria Preserve Wetlands Walk

Jean Lafitte National Historic Park:
New Orleans, LA
Offers many wetland walks through
August-December

Weekend Guided Walks

Beaver Lake Nature Center
Baldwinsville, NY
October-November

Guided Boardwalk Tour

John Bunker Sands Wetland
Center
Combine, TX

Third Saturday of the Month
Join a Wetland team member for
a guided walk and learn about the
many cool things happening in the
wetland.

Photo by Patrick Cox, HASK

Potpourri



Donate
to
ASWM

Help
Support

Wetlands

Donate Here

Photo by Hilary Morey, South Dakota Game, Fish and Parks

World leaders at UN urged to end public finance to fossil fuels

By Joe Lo – Climate Home News – September 23, 2021

As world leaders prepare to discuss the energy transition at the UN, hundreds of green groups are calling for an end to international public finance for fossil fuels. In a [statement](#), over 200 organizations from over 40 countries said renewables are cost competitive with fossil fuels and can meet the global south's electricity and clean cooking needs. It comes as heads of state and ministers meet leaders from business, finance and civil society in New York. [Read more here.](#)

Maybe it's ok to tell people we're running out of time to stop climate change

By Sarah DeWeerd – Anthropocene Magazine – September 21, 2021

Reading an article that says we only have 12 years left to reduce emissions before abrupt and catastrophic climate change occurs ups people's willingness to support government climate policies, according to a new study. The deadline-focused message also increases people's sense that both individual and collective actions against climate change could be effective. The findings contribute to an evolving debate about climate communication and suggest that advocates need not shy away from portraying the urgency of climate action. [Read more here.](#)

Dems seek 'historic' changes to U.S. flood program

By Thomas Frank – E&E News – September 16, 2021

Congressional Democrats are moving toward enacting two measures that could vastly expand access to flood insurance and give communities a more accurate picture of their flood risk through better maps. Two provisions in a budget reconciliation [bill](#) the House Financial Services Committee approved Tuesday address long-standing shortcomings in flood protection as climate change and coastal development intensify damage from flooding. [Read more here.](#)

Researchers now using drones to track duck broods

By Kenneth Gautreau – KATC – August 22, 2021

Researchers with the LSU AgCenter School of Renewable Natural Resources have found using drones equipped with thermal cameras is more effective and efficient in detecting duck broods than the traditional method of using ground surveys when observing nesting areas. Brood surveys are used to estimate the productivity of ducks. However, ground surveys may underestimate productivity because ducks tend to seek shelter within the vegetation and are unobservable, according to Kevin Ringelman, a waterfowl ecologist in the school. [Read more here.](#)

Podcasts of Interest

- ◆ Come Rain or Shine: [Extreme Heat & Urban Planning](#)
- ◆ [Preserving Wetlands on the Farm with Ray McCormick](#)
- ◆ [NOAA Ocean Podcast: Bringing Wetlands to Market](#)
- ◆ [Duwamish River Floating Wetlands](#)
- ◆ [USGS Podcast: Science in the Swamp](#)



Photo by Sharon Weaver, ASWM

Environmental Events

- ◆ October 9 – World Migratory Bird Day (Fall)
- ◆ December 4 – Wildlife Conservation Day
- ◆ December 5 – World Soil Day



Photo by Dennis P. Vasey,
Marsh Paddlers

Project Dragonfly -

Now accepting applications for 2022

Miami University's [Project Dragonfly](#) is accepting applications for 2022 [Earth Expeditions](#) graduate courses that offer extraordinary experiences in 15 countries throughout the world.

Earth Expeditions can build toward the [Global Field Program](#) (GFP), a master's degree that combines summer field courses worldwide with web learning communities so that students can complete the GFP master's part-time from anywhere in the United States or abroad.

Project Dragonfly also offers the [Advanced Inquiry Program](#) (AIP) master's degree that combines web instruction from Miami University with experiential learning and field study through several AIP Master Institutions in the U.S. Applications for Miami's 2022 cohorts are being accepted now with place-based experiences provided at zoos and botanical gardens in Chicago, Cincinnati, Cleveland, Denver, Jacksonville, New York, San Diego, Seattle, and St. Louis.



Photo by Tom Douglas,
Bayou Preservation Association

Calendar of Events

WEBINARS 2021

SEPTEMBER 2021

September 29, 2021 2:00 p.m. EDT	U.S. Environmental Protection Agency: Water Research Webinar Series: Valuing Aquatic Ecosystem Health at a National Scale: Modeling Biological Indicators Across Space/Time
September 29, 2021 3:00 p.m. EDT	Association of State Wetland Managers Members' Webinar Series: Developing a New Ecological Site Description for Karst Fens
September 30, 2021 11:00 a.m. EDT	Interagency Ecological Restoration Quality Committee (IERQC) Monthly Webinar Series: A Synthesis of the Great Lakes Restoration Initiative and the Perceived Benefits for People and Nature

OCTOBER 2021

October 1, 2021 11:30 a.m. EDT	Wisconsin Wetlands Association: Wetland Coffee Break: Visiting the Great Spirit's Garden: Wild rice in Wisconsin's wetlands
October 5, 2021 6:00 p.m. EDT	Pacific Islands Climate Adaptation Science Center Webinar: Slice of PI-CASC October Seminar
October 6, 2021 3:00 p.m. EDT	Association of State Wetland Managers Hot Topics Webinar: Mentoring the Next Generation of Wetland Professionals: A Collaborative Initiative with the Society of Wetland Scientists
October 7, 2021 1:00 p.m. EDT	OpenChannels Webinar: Blueprint for Coastal Adaptation
October 7, 2021 1:00 p.m. EDT	Swamp School Webinar: 2021 Waters of the US Rules
October 13, 2021 1:00 p.m. EDT	OpenChannels Webinar: Blueprint for Coastal Adaptation
October 13, 2021 4:00 p.m. EDT	Northeast Climate Adaptation Science Center (NECASC) Webinar: How Will Climate Change Impact Forest Wildlife?
October 15, 2021 11:30 a.m. EDT	Wisconsin Wetlands Association: Wetland Coffee Break: Wetland butterflies of Wisconsin
October 19, 2021 3:00 p.m. EDT	USGS Climate Adaptation Science Centers Webinar: Setting Habitat Protection and Restoration Priorities in a Warming World: Lessons from Wyoming
October 26, 2021 1:00 p.m. EDT	OpenChannels Webinar: MPAs as part of the climate solution: The role of blue carbon
October 27, 2021 3:00 p.m. EDT	Association of State Wetland Managers Members' Webinar Series: Megafires Be Dammed: Can Beaver-created Fire Refugia Persist Through Extreme Wildfire
October 29, 2021 11:30 a.m. EDT	Wisconsin Wetlands Association: Wetland Coffee Break: Monitoring pollinators in wetlands: opportunities for citizen scientists

NOVEMBER 2021

November 5, 2021 11:30 a.m. EDT	Wisconsin Wetlands Association: Wetland Coffee Break: Climate change resources for wetland managers
November 17, 2021 4:00 p.m. EDT	Northeast Climate Adaptation Science Center (NECASC) Webinar: Refugia are important but are they connected? Mapping well-connected climate refugia for species of conservation concern in the Northeastern U.S.
November 19, 2021 11:30 a.m. EDT	Wisconsin Wetlands Association: Wetland Coffee Break: State Natural Areas at 70: Still protecting Wisconsin's Wetland Gems®

DECEMBER 2021

December 1, 2021 4:00 p.m. EST	Northeast Climate Adaptation Science Center (NECASC) Webinar: Managing Waterfowl Harvest under Climate Change: Time-Dependent Optimal Policies to Address Non-Stationary Dynamics
December 3, 2021 11:30 a.m. EST	Wisconsin Wetlands Association: Wetland Coffee Break: Anticipating the hydrologic consequences of Emerald Ash Borer invasion in tribal forested wetlands through a sapflux network
December 7, 2021 3:00 p.m. EST	Association of State Wetland Managers Hot Topics Webinar: Risk Reduction for Mitigation Projects: Perspectives on Financial Assurances' Best Practices: Part 1 of 2: Letters of Credit & Escrow Accounts
December 14, 2021 3:00 p.m. EST	Association of State Wetland Managers Hot Topics Webinar: Risk Reduction for Mitigation Projects: Perspectives on Financial Assurances' Best Practices: Part 2 of 2: Casualty Insurance & Surety Bonds



Photo by Michael McDavit, Retired EPA

MEETINGS 2021

OCTOBER 2021	
October 1, 2021 Virtual	San Francisco Estuary Partnership: State of the San Francisco Estuary Conference
October 2, 2021 Pennington, NJ	The Watershed Institute: Watershed Fest
October 4-7, 2021 Spokane, WA	2021 Native American Fish & Wildlife Society 38th Annual National Conference
October 5-7, 2021 Virtual	Land Trust Alliance: Rally 2021: The National Land Conservation Conference
October 5-8, 2021 Virtual	Student Conference on Conservation Science
October 6-7, 2021 Virtual	Invasive Species Council of BC: 2021 Invasive Species Research Conference
October 6-10, 2021 New Orleans, LA	Deep South Center for Environmental Justice, Inc.: 8th Annual HBCU Climate Change Conference
October 10-15, 2021 Christchurch, New Zealand	Christchurch/ Ōtautahi INTECOL Wetlands Conference Organizing Committee: International Wetlands Virtual Conference
October 12-14, 2021 Ann Arbor, MI	Great Lakes Commission Annual Meeting
October 12-15, 2021 Virtual	NAAEE 2021 Conference: The Power of Connection
October 15-17, 2021 Las Vegas, NV	Heartland Institute: 14th International Conference on Climate Change
October 19-20, 2021 Cape May, NJ	Restore America's Estuaries Workshop: 2021 Living Shorelines Tech Transfer Workshop
October 21-22, 2021 Online	Colorado Headwaters: Colorado Beaver Summit
October 25-29, 2021 Virtual	Anthropology and Conservation Virtual Conference
October 26-27, 2021 Fulton, MD	Center for Watershed Protection: Sustainable Watershed & Agriculture Symposium
October 26-27, 2021 Virtual	Northeast Climate Adaptation Science Center (NE CASC) Regional Science Symposium
October 27, 2021 Virtual	UC Davis Climate Adaptation Collaboration Symposium
October 27-28, 2021 Virtual	River Institutes' 28 th Annual River Symposium: Global Challenges, Local Concerns
October 28, 2021 Online	James River Association Annual Meeting: Riding the Currents of 2020

NOVEMBER 2021	
November 1-4 and 8-11, 2021 Virtual	Coastal Estuarine Research Federation (CERF) 2021 Conference
November 1-5, 2021 Virtual	The Wildlife Society's 28th Annual Conference
November 1-12, 2021 Glasgow, UK	UN Climate Change Conference
November 8-11, 2021 Kissimmee, FL	American Water Resources Association: 2021 Annual Water Resources Conference
November 12-14, 2021 Easton, MD	Waterfowl Festival
November 15-18, 2021 Oklahoma City, OK	North American Lake Management Society 41 st International Symposium: Valuing Water: Economics, Ecology, & Culture
DECEMBER 2021	
December 13-17, 2021 New Orleans, LA	AGU Fall Meeting: Science is Society
JANUARY 2022	
January 19-21, 2022 Southern California	Climate Science Alliance: 2022 Southwestern Tribal Climate Change Summit
January 26-28, 2022 Virtual	The Stewardship Network Conference . Poster deadline is December 1, 2021
FEBRUARY 2022	
February 15-17, 2022 Stevens Point, WI	Wisconsin Wetlands Association: Wetlands Science Conference Deadline to submit abstracts is November 10 2021
MARCH 2022	
March 16-18, 2022 Cleveland, OH	International Association of Great Lakes Research: State of Lake Erie Conference . Call for Sessions Deadline is October 1, 2021
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 . Presentations due by October 1, 2021
MAY 2022	
May 15-19, 2022 Orlando, FL	Association of State Floodplain Managers Conference
May 16-20, 2022 Grand Rapids, MI	Joint Aquatic Sciences Meeting
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 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 Proposals due by October 15, 2021
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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

TRAINING/WORKSHOPS 2021

OCTOBER 2021

October 4, 2021 Online-16 Weeks	Swamp School: Wetland Basic Delineation Training Free Wildnote trial subscription
October 4-5, 2021 St. Michels, MD	Environmental Concern Course: Evaluating Hydric Soils in the Field
October 4-7, 2021 Richmond, VA	Richard Chinn Environmental Training, Inc. Course: Wetland Delineation Training
October 4-7, 2021 Northern Virginia	Wetland Training Institute Course: Federal Wetland/Waters Regulatory Policy
October 6-7, 2021 Richmond, VA	Richard Chinn Environmental Training, Inc. Course: Regional Supplement Wetland Delineation Training
October 18, 2021 Atlanta, GA	Duncan & Duncan West: Wetland Delineation Reboot
October 18-21, 2021 San Diego, CA	Wetland Training Institute Course: Federal Wetland/Waters Regulatory Policy
October 18-21, 2021 Angier, NC	Swamp School: Wetland Delineation Training (Classroom/Field)
October 18-21, 2021 Online	Portland State University Course: River Restoration Design
October 19-22, 2021 Online	Rutgers Office of Continuing Professional Education Course: Wetland Construction: Principles, Planning, and Design

NOVEMBER 2021

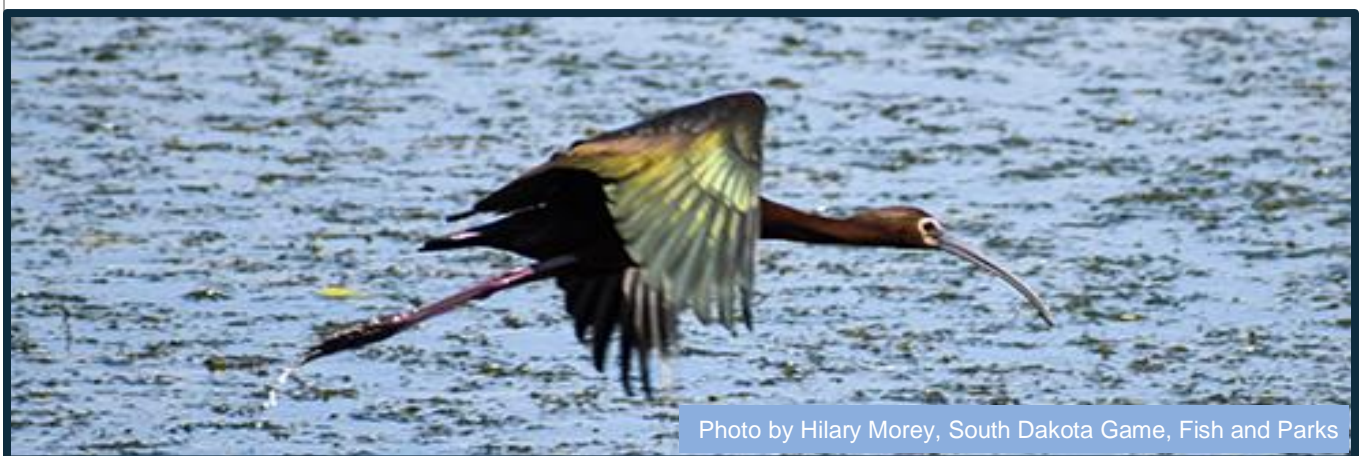
November 1-3, 2021 St. Michels, MD	Environmental Concern Course: Winter Woody Plant ID
November 1, 2021 Online-16 Weeks	Swamp School: Wetland Basic Delineation Training Free Wildnote trial subscription
November 3, 2021 Online	Wetland Training Institute Course: Demystifying Wetland and In-Water Permitting in Washington State
November 15-18, 2021 Columbus, OH	Richard Chinn Environmental Training, Inc. Course: Wetland Delineation Training
November 16-17, 2021 Atlanta, GA	Duncan & Duncan West: Advanced Hydric Soils, Atypical Wetlands, and Hydrology (Coastal Plain or Eastern Mountains/Piedmont)
November 17-18, 2021 Columbus, OH	Richard Chinn Environmental Training, Inc. Course: Regional Supplement Wetland Delineation Training

DECEMBER 2021

December 6, 2021 Online-16 Weeks	Swamp School: Wetland Basic Delineation Training Free Wildnote trial subscription
December 7-8, 2021 Atlanta, GA	Duncan & Duncan West: Wetland Delineation Regional Supplement Coastal or Eastern Piedmont
December 13-16, 2021 Tampa, FL	Richard Chinn Environmental Training, Inc. Course: Wetland Delineation Training
December 14-16, 2021 Online	Duncan & Duncan West: Interagency Consultation for Endangered Species (Section 7)
December 15-16, 2021 Tampa, FL	Richard Chinn Environmental Training, Inc. Course: Regional Supplement Wetland Delineation Training

JANUARY 2022

January 9-14, 2022 Boston, MA	Boston University Course: Ecological Forecasting
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Index

EDITOR'S CHOICE

- U.S. eyes wetland restoration as hedge against climate change
- Interior Secretary signs CSKT water compact
- EPA Rescinds Previous Administration's Guidance on Clean Water Act Permit Requirements
- Waters of the United States/Clean Water Act: U.S. Environmental Protection Agency/Corps of Engineers to Follow Pre-2015 Regulatory Requirements
- Mangrove Restoration Frustration

NATIONAL NEWS

- Biden Names President's Council of Advisors on Science and Technology
- Interior Department Announces More Than \$111 Million in Funding for Wetland Conservation Projects and National Wildlife Refuges
- EPA unveils climate superpollutant regulation
- President Biden revives White House Tribal Nations Summit
- Trump Administration Broke the Law in Refusing to Protect Joshua Trees, Court Rules
- Closed Out: How U.S. Farmers are Denied Access to Conservation Programs

STATE AND TRIBAL NEWS

- AK: EPA to protect Alaska's Bristol Bay, blocking major gold mine
- CA: 'Explosive' Dixie Fire could be worst in Calif. history
- CA: Enhanced wetland on UCSC's Coastal Science Campus will benefit threatened frogs
- DE: Living shoreline project in Assawoman Wildlife Area wins award
- FL: Florida Cabinet, DeSantis clear way for Miami-Dade's highway through Everglades wetlands
- HI: Hawaii's youth plant seeds of sustainability in annual environmental program
- ID: Wetland restoration to continue this fall
- IL: Lake County Restoration Project aims to revitalize increasingly dry land
- IN: Governor Appoints Members of Indiana Wetlands Task Force
- Klamath Tribes-ODOT Wetland Restoration
- KS: Wetland Park project moving forward behind the scenes
- LA: Kennedy announces two million dollars to support wetlands and birds
- LA: Louisiana's Native communities face a long recovery after Hurricane Ida
- LA: Hurricane Ida Deemed a 'Poster Child' for Climate Disaster as Storm Slams Louisiana
- MD: Governor Hogan Announces Office of Outdoor Recreation
- MD: Floating Wetlands Planned for Inner Harbor to Revive Urban Ecosystems, Clean Water
- MA: Opponents turn out for hearing on proposed wetland protection zone change in Attleboro
- MI: Neighboring Chikaming Open Lands 'family' preserves explored
- MN: Minn. appeals tribal courts greenlight on 'wild rice' lawsuit re Line 3

- NY: Governor Hochul Announces Completion of Resiliency Projects in Jefferson and Monroe County
- OR: The effort to save Upper Klamath Lake’s endangered fish before they disappear
- VA, WV: FERC Issues Assessment on Mountain Valley Pipeline Changes
- WI: 6 tribes sue Wisconsin to try to stop November wolf hunt
- WY: Off-leash dog activity at Casper’s Morad Park may be causing wetlands to become dead zone

WETLAND SCIENCE NEWS

- How oyster reefs protect against hurricane damage
- Ghost forests creep up U.S. East Coast
- Cathlamet deer refuge wetland restoration a success for salmon, birds, deer and people
- Coastal Wetlands Offers More Storm Protection Than Massive Seawalls
- Hundreds of endangered frogs hop back to wetlands home
-

RESOURCES/PUBLICATIONS

- EPA Report Shows Disproportionate Impacts of Climate Change on Socially Vulnerable Populations in the United States
- Now Available: International Guidelines on Natural and Nature-Based Features for Flood Risk Management
- The Swamp School and Wildnote Partnership Modernizes Wetland Fieldwork Education

POTPOURRI

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- Maybe it’s ok to tell people we’re running out of time to stop climate change
- Dems seek ‘historic’ changes to U.S. flood program
- Researchers now using drones to track duck broods



Photo by Dennis P. Vasey, Marsh Paddlers

CALENDAR OF EVENTS

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MEETINGS

October 2021

- San Francisco Estuary Partnership: State of the San Francisco Estuary Conference
- The Watershed Institute: Watershed Fest
- 2021 Native American Fish & Wildlife Society 38th Annual National Conference
- Land Trust Alliance: Rally 2021: The National Land Conservation Conference
- Student Conference on Conservation Science
- Invasive Species Council of BC: 2021 Invasive Species Research Conference
- Deep South Center for Environmental Justice, Inc.: 8th Annual HBCU Climate Change Conference
- Christchurch/ Ōtautahi INTECOL Wetlands Conference Organizing Committee: International Wetlands Hybrid Conference
- Great Lakes Commission Annual Meeting
- NAAEE 2021 Conference: The Power of Connection
- Heartland Institute: 14th International Conference on Climate Change
- Restore America's Estuaries Workshop: 2021 Living Shorelines Tech Transfer Workshop
- Colorado Headwaters: Colorado Beaver Summit
- Anthropology and Conservation Virtual Conference
- Center for Watershed Protection: Sustainable Watershed & Agriculture Symposium
- Northeast Climate Adaptation Science Center (NE CASC) Regional Science Symposium
- UC Davis Climate Adaptation Collaboration Symposium
- River Institutes' 28th Annual River Symposium: Global Challenges, Local Concerns
- James River Association Annual Meeting: Riding the Currents of 2020

November 2021

- Coastal Estuarine Research Federation (CERF) 2021 Conference
- The Wildlife Society's 28th Annual Conference
- UN Climate Change Conference
- American Water Resources Association: 2021 Annual Water Resources Conference
- Waterfowl Festival
- North American Lake Management Society 41st International Symposium: Valuing Water: Economics, Ecology, & Culture

December 2021

- AGU Fall Meeting: Science is Society

January 2022

- Climate Science Alliance: 2022 Southwestern Tribal Climate Change Summit
- The Stewardship Network Conference

February 2022

- Wisconsin Wetlands Association: Wetlands Science Conference

March 2022

- International Association of Great Lakes Research: State of Lake Erie Conference

April 2022

- University of Wisconsin: 2022 Wisconsin Lakes and Rivers Convention: Protecting What We Love for the Future

May 2022

- Association of State Floodplain Managers Conference
- Joint Aquatic Sciences Meeting
- Michigan Department of Environment, Great Lakes, and Energy: U.S. Great Lakes Areas of Concern Conference

June 2022

- American Society of Naturalists, the Society for the Study of Evolution, and the Society of Systematic Biologists Joint Meeting: Evolution 2022

August 2022

- Ecological Society of America Annual Meeting: A Change is Gonna Come
- Institute for Tribal Environmental Professionals: National Tribal & Indigenous Climate Conference

TRAININGS/WORKSHOPS

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- Swamp School: Wetland Basic Delineation Training
- Environmental Concern Course: Evaluating Hydric Soils in the Field
- Richard Chinn Environmental Training, Inc. Course: Wetland Delineation Training
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- Richard Chinn Environmental Training, Inc. Course: Wetland Delineation Training
- Duncan & Duncan West: Advanced Hydric Soils, Atypical Wetlands, and Hydrology (Coastal Plain or Eastern Mountains/Piedmont)
- Richard Chinn Environmental Training, Inc. Course: Regional Supplement Wetland Delineation Training

December 2021

- Swamp School: Wetland Basic Delineation Training
- Duncan & Duncan West: Wetland Delineation Regional Supplement Coastal or Eastern Piedmont
- Richard Chinn Environmental Training, Inc. Course: Wetland Delineation Training
- Duncan & Duncan West: Interagency Consultation for Endangered Species (Section 7)
- Richard Chinn Environmental Training, Inc. Course: Regional Supplement Wetland Delineation Training

January 2022

- Boston University Course: Ecological Forecasting



The Association of State 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 ASWM 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 Association of State Wetland Managers. Send your news items, comments, corrections, or suggestions to <mailto:news@aswm.org>.

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



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