



WETLAND NEWS DIGEST

Monthly News Digest of the Association of State Wetland Managers

October 2021

Editor's Note

Dear Wetlanders,

It's almost Halloween – one of my favorite days of the year! No pressure to cook up a feast or to buy the perfect gift – just dress up in a silly costume, watch spooky movies, hang out with your friends and family, and eat a lot of candy. Of course, it always makes me think of the stories of the bog people – ancient human cadavers that have been discovered in peat bogs – the oldest of which is the skeleton of the Koelbjerg Man found in Denmark which dates back to around 8000 BC. However, one of the coolest cadavers found is the Tollund Man, found in 1950 in Denmark's Bjaeldskovdal bog. He apparently lived around 2,300 years ago, but his remains were so well preserved that his skin is still in tack, tightly covering well defined muscular and skeletal structure. Totally creepy!



The Tollund Man: Photo taken from [here](#).

In this month's spooky edition of *Wetland News Digest* – we have done our best to frighten you with two news updates regarding [Waters of the U.S.](#) (because I think we skip a heartbeat a bit whenever the topic arises). We also have registration links available for a great upcoming webinar from the land of the damned...oh wait I mean it's called "[Megafires be dammed](#)" and it's about beaver-created fire refugia...but it might be very scary!

And with that, I wish you all a safe, fun, and ghostly Halloween!

Best regards,

Marla J. Stelk
Editor, *Wetland News Digest*

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Editor's Choice



Sponsor Wetland News Digest

Wetland News Digest (WND) sponsorship provides the perfect opportunity for your business to increase its visibility with members of the wetlands and water resources community and reinforce your continued commitment to wetlands in the U.S.

Information on
sponsorship,
can be found here.

Photo by Leslie Stovring, city of Eden Prairie

Request for Nominations of Experts to the EPA Office of Research and Development's Board of Scientific Counselors

U.S. Environmental Protection Agency – Federal Register – October 18, 2021
The U.S. Environmental Protection Agency (EPA) is seeking nominations for technical experts to serve on its Board of Scientific Counselors (BOSC), a federal advisory committee to the Office of Research and Development (ORD). Submission of nominations will be made via the [BOSC website here](#). Members of the BOSC constitute a distinguished body of non-EPA scientists, engineers, and economists who are experts in their respective fields. EPA will consider nominees from industry, business, public and private research institutes or organizations, academia, government (federal, state, local, and tribal) and non-government organizations, and other relevant interest areas. Members are appointed by the EPA Administrator to serve as Special Government Employees and provide independent expert advice to the agency for a term of up to six years. EPA values and welcomes diversity and encourages all eligible applicants to apply. [Read more here](#).

EPA advances WOTUS rewrite

By Hannah Northey – E&E News – October 13, 2021
The Biden administration has crafted a new definition of “water of the U.S.,” wading into a politically explosive regulation that has riled lawmakers, courts, farmers and environmental groups for decades. Today, EPA and the Army Corps of Engineers sent a proposed rule to the White House’s Office of Management and Budget to revise the definition of what constitutes a “water of the U.S.,” or WOTUS. [Read more here](#).

EPA, Army Announce Regional Roundtables on WOTUS

U.S. Environmental Protection Agency – October 13, 2021
Today, the U.S. Environmental Protection Agency (EPA) and U.S. Department of the Army (the agencies) called on communities to propose roundtables to provide input on the regional implications of “waters of the United States” (WOTUS). The regional roundtables will engage stakeholders representing diverse perspectives in meaningful dialogue to help inform the agencies’ work to develop an enduring definition of WOTUS that supports public health, environmental protection, agricultural activity, and economic growth. [Read more here](#).

NEW: Beaver-Related Restoration Training Series

The Association of State Wetland Managers (ASWM) and the Bureau of Land Management (BLM) collaborated to develop a series of webinars introducing the topic of restoration of aquatic ecosystems through the reintroduction of beavers, the use of beaver dam analogues (BDAs) or restoration designed to attract beavers to an area to contribute to changing hydrology and restoring ecosystem services. This webinar series was developed with guidance from a national workgroup of beaver restoration experts with presentations provided by practitioners, managers and researchers working in the field. The webinar series covers the basics of beaver restoration and continues through implementation challenges and ways to encourage beaver restoration projects.

Each online module in the Beaver-Related Restoration Training Series is accompanied by an optional knowledge assessment quiz available through *ClassMarker*. The quiz assesses understanding of the key take-away points of the training.

[ASWM Members](#) - as a benefit of membership, you will have the opportunity to download a free Certificate of Completion for each module quiz that you pass. [Log In](#) to the membership portal to access the learning modules and quizzes.

[Non-Members](#) - you have free access to view the learning modules. There is a \$25.00 USD fee per module to take the online quiz towards achieving a Certificate of Completion. Secure payment is made through PayPal, either with a PayPal account or with the guest option, using a credit card. [Learn more here.](#)



Photo by Sharon Weaver ASWM

Coming Soon: Compensatory Mitigation Training Series

Upcoming ASWM Members' Webinar

Members' Only Webinars – 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](#)

[Register Here](#)

Conducting a Benefits Assessment for Restoration of Wetlands on Cranberry Farmland

Wednesday, December 15, 2021 - 3:00 p.m. – 4:30 p.m. Eastern

Presenter:

- ◆ Glorianna Davenport, Living Observatory, Plymouth, MA

[More Information](#)

[Register Here](#)

A Certificate of Participation to be used toward Continuing Education Credits will be available for participation in all LIVE Webinars. ASWM members receive free Certificates of Participation. Non-Members who request a certificate will be charged a processing fee of \$25.00. Certificates are not available for viewing recorded webinars. [Click here](#) for more information.

Photo by Sharon Weaver ASWM

National News



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Photo by Michael McDavid, Retired EPA

Wetland Anti-Flooding Projects Promoted Along Mississippi River

By David Murray – The Waterways Journal – October 18, 2021

In March, hunting and conservation group Ducks Unlimited (DU) signed a memorandum of understanding with the Mississippi River Cities and Towns Initiative (MRCTI), made up of the mayors of more than 100 towns and cities along the Mississippi River. On September 14, DU and MRCTI held a joint press conference to tout the results of that partnership. A PowerPoint presentation put together by Dr. Ellen Herbert, an ecosystem scientist with DU, and Michael Sertle, a regional biologist for DU, laid out 65 wetland project sites identified by the team. [Read more here.](#)

UN climate report: Africa's rare glaciers to disappear within two decades

By Jordan Williams – The Hill – October 19, 2021

A new report from the United Nations' World Meteorological Organization (WMO) warns that Africa's rare glaciers will disappear within two decades. The [report released Tuesday](#) warned that the current retreat rates of Africa's glaciers — Mount Kenya, the Rwenzori Mountains and Mount Kilimanjaro — are higher than the global average. If it continues, the mountains would be deglaciated by the 2040s. [Read more here.](#)

Democratic appropriations bills would increase environmental funding by \$6B

By Zack Budryk – The Hill – October 18, 2021

An appropriations bill unveiled Monday by Senate Appropriations Committee Chairman Patrick Leahy (D-Vt.) would increase funds for the Interior Department and other environmental agencies by \$6 billion compared to 2021 levels. The 2022 bill would include discretionary funding of \$44.6 billion as well as \$2.4 billion for the Wildfire Suppression Operations Reserve Fund. [Read more here.](#)

US redoubles efforts to monitor carbon levels in soil with \$10 million investment

The Cattle Site – October 18, 2021

The USDA has launched the first phase of soil carbon monitoring efforts through an initiative with the Conservation Reserve Program. The US Department of Agriculture (USDA) is investing \$10 million in a new initiative to sample, measure, and monitor soil carbon on Conservation Reserve Program (CRP) acres to better quantify the climate outcomes of the program. [Read more here.](#)

Aspen nonprofit director to lead delegation at international climate conference

By Andre Salvail – Aspen Daily News – October 15, 2021

Aspen nonprofit leader Jackie Francis said she has formed a delegation of locals and others to attend the upcoming United Nations Climate Change Conference, known as the COP26, in Glasgow, Scotland, with the goal of learning more about climate change and “raising our game” with respect to solutions. [Read more here.](#)

Biden expands Bears Ears and other national monuments, reversing Trump cuts

By Joshua Partlow – The Washington Post – October 8, 2021

President Biden on Friday restored full protections to three national monuments that had been slashed in size by former president Donald Trump, including Bears Ears and Grand Staircase-Escalante in Utah — known for their stunning desert landscapes and historical treasures of Native American art and settlements, as well as a rich fossil record. [Read more here.](#)

Improving Water Resources for Pueblo of Jemez and White Mountain Apache

First Nations – 2021

This fall, First Nations launched the Increasing Native Producer and Community Access to Quality Water Resources project to address watershed issues in Native communities. Through the project, two Community partners – Pueblo of Jemez, Natural Resource Department, in New Mexico, and White Mountain Apache, Lands Operations Department, in Arizona – will lead efforts to further engage Native agricultural producers in conservation planning, conservation practices, and water quality improvement to demonstrate positive environmental, economic, and social effects. Learn more about the project [here.](#)

**Jon A. Kusler
Scholarship Award**

For our 2021 campaign, we're asking for you to support our future wetland professionals.

In honor of ASWM's founder, Dr. Jon A. Kusler, Esq., ASWM has established the Jon A. Kusler Student Scholarship Award, a competitive award to fund all expenses for one or more students studying wetland science, law or policy (either undergraduate or graduate level) to attend ASWM's annual State/Tribal/ Federal Coordination meeting. Contributions to the scholarship award will ensure that Jon's legacy lives on by building the capacity of the next generation to protect and restore our nation's wetlands.

[Donate here to the Jon A. Kusler Student Scholarship Award](#)

“Scott and I founded ASWM with two goals—to support state wetland programs and to support national wetland policy reflecting sound wetland science.” – Jon Kusler

**#GIVING
TUESDAY**

Tuesday, November 30, 2021

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:



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



Alexander Dam,
Director, Surety &
Performance Security,
Aon



Chris Baker,
Principal,
Conservation United



Robert Spoth,
President,
Ecosystems Insurance

[More Information](#)

[Register Here](#)

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State and Tribal News



ASWM Webinars

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Photo by Sharon Weaver, ASWM

CA: Massive Outdoor Recreation Area Nears Opening in Elk Grove

By Marlee Ginter – CBS Sacramento – October 17, 2021

A massive new outdoor recreation area in Elk Grove is one step closer to opening. Workers spent part of the weekend in the final phase of this major outdoor addition to the community. The Preserve, located in the heart of the city just outside the Elk Grove Aquatics Center, boasts a network of trails, wetland area overlooks, a climbing playground and even an outdoor exercise area. [Read more here.](#)

CA: Oil Spill off California Coast Devastates Wetlands, Kills Wildlife

EcoWatch – October 4, 2021

At least 126,000 gallons of crude oil have gushed from a pipeline just five miles off the Southern California coast Sunday, wreaking still-unknown devastation on local wetlands and fouling Huntington Beach. Dead fish and birds are already washing up on shore. The toxic slick caused by the pipeline rupture spanned 8,320 acres, officials said, and while the leak appears to have stopped, crews have been unable to actually fix the pipeline. It also "infiltrated" the Talbert Marsh wetland, threatening numerous bird species. [Read more here.](#)

CO: People are flocking to Colorado for the great outdoors, but the air pollution is so bad, it's forcing many to stay inside

By Kelsey Vlamis – Business Insider – October 2, 2021

With mild winters, plenty of open space, and endless opportunities for outdoor recreation, it's easy to see why Colorado is one of the fastest-growing states in the US. But one of the state's biggest draws — abundant access to the outdoors — is under threat. The air in Colorado is getting dirtier, resulting in more days where haze obscures the mountains and when public health officials say it's unsafe to be outside, let alone do something active. [Read more here.](#)

FL: Florida wetlands and waterways face development and potential harm as vacated Trump rules linger

By Laura Cassels – Raw Story – October 18, 2021

Swaths of wetlands and waterways in Florida left unprotected when the Trump administration weakened federal standards in early 2020 are being developed in Florida — despite a federal ruling that struck down the Trump rules eight weeks ago. At least 300,000 acres of wetlands and waterways in Florida alone are likely subject to regulation under the stronger, pre-Trump standards, say a trio of environmental lawyers and scientists, but state regulators have announced no change in course since the Aug. 31 federal ruling. [Read more here.](#)

LA: Satellite photos show Hurricane Ida's damage to Louisiana coast - and it's not pretty

By Mark Schleifstein – Nola.com – The Times-Picayune – October 16, 2021

Satellite photos taken six weeks after Hurricane Ida blasted southeast Louisiana show its storm surge, waves and winds devastated a large swath of wetlands in the north central Barataria Basin, gashing a coastal buffer that helps protect 1 million people from flooding. [Read more here.](#)

MA: Committee defers vote on controversial wetland protection proposal in Attleboro

By George W. Rhodes – The Sun Chronicle – October 13, 2021

A controversial amendment to the city's wetland protection ordinance was held in a city council committee for further discussion on Tuesday. Holmes said the current proposal, the main provision of which would create a 75-foot "no disturb zone," won't get her vote. [Read more here.](#)

NJ: New Jersey's tidal wetlands could disappear because of sea rise, study says

By Frank Kummer – The Press of Atlantic City – October 8, 2021

Sea level rise is happening so fast that some of New Jersey's key tidal marshes could be swallowed whole by next century, eliminating critical wetlands that serve as wildlife habitat and storm barriers, according to a recently published Rutgers-led study. The study's authors lay out four potential ways to save the marshes: buying out homeowners who live at the edge of wetlands, allowing an invasive reed to spread, pumping layers of new sediment atop the marshes, or building experimental "living shorelines." [Read more here.](#)

NC: \$150K boost moves RiverLink's Southside project closer to finish line

By Derek Lacey – Citizen Times – October 18, 2021

A project aiming to transform a water runoff issue into a community asset at Erskine Apartments in Asheville is barreling forward with a \$150,000 grant from the state. RiverLink's [Southside Community Stormwater Project](#) is working to address stormwater problems in the historically Black neighborhood and improve water quality in Nasty Branch. The project will expand an existing wetland, install an overflow measure to solve issues with a flood-prone parking lot and redesign a concrete ditch into a natural channel. [Read more here.](#)

OH: ODNR breaks ground on wetland at Grand Lake St. Marys

LimaOhio.com – September 29, 2021

Ground was broken Monday in Mercer County on the Burntwood-Langenkamp wetland at Grand Lake St. Marys. "Algal blooms have been a problem on Grand Lake St. Marys for more than a decade, but this new H2Ohio wetland will help improve water quality over time," Gov. Mike DeWine said in a press release. "The goal is not only to improve the health of the lake but to also enhance the quality of life for those who live here as well as improve the experience for those who come to visit." [Read more here.](#)

OH: Beaver Creek Wetlands Association acquires 58 acres for Spotted Turtle Trail

By London Bishop – Dayton Daily News – September 26, 2021

The Beaver Creek Wetlands Association has acquired more than 58 acres of wetland habitats that will be incorporated into the upcoming Spotted Turtle Trail, allowing the organization to move forward with the next major section of the \$7.5 million trail project. [Read more here.](#)

OR: Salem's Public Works Department wins award for wetland work

By Saphara Harrell – Salem Reporter – October 18, 2021

For years, Salem Public Works Department has worked to create new wetlands on land being developed for commercial use. The Mill Creek Corporate Center in southeast Salem now has two wetlands created after years of work and planning. Salem's Public Works Department was recently awarded the "Public Works Project of the Year Award in the Environmental Division" for projects between \$5 million and \$25 million by the American Public Works Association's Oregon Chapter for its work on the wetlands. [Read more here.](#)

OR: Feds defend ag irrigation in drought-stricken wetland refuge

By Karina Brown – Courthouse News Service – October 5, 2021

The government's continued prioritization of agriculture on four wildlife refuges straddling the Oregon-California border is making drought conditions there worse, attorneys told a Ninth Circuit panel Tuesday. The Klamath Basin is in an [unprecedented drought](#). This summer, the Klamath Tribes feared the imminent extinction of c'waam and koptu, prehistoric sucker fish they have eaten out of Upper Klamath Lake for millennia. In the Klamath River, fed by the lake, 70% of juvenile salmon died this year before they reached the ocean, killed by bacteria that thrives in the river's artificially low water level. And a complex of wildlife refuges straddling the California-Oregon border didn't get their usual water allocations from the lake, because the government is scrambling to prevent the extinction of the c'waam and koptu. [Read more here.](#)

RI: New Freshwater Wetlands Rules Create Uniform Buffers

By Rob Smith – ecoRI News – October 11, 2021

Stakeholders still have mixed reactions to new rules regarding Rhode Island's freshwater wetlands. This summer the Rhode Island Department of Environmental Management (DEM) and the Coastal Resources Management Council (CRMC) filed rules mandating new protections for freshwater wetlands, in particular buffer zones — areas untouched by development — be kept a certain size adjacent to wetlands. The new regulations are scheduled to go into effect Jan. 15. [Read more here.](#)

VT: Scientists discuss protection of rare species on Lake Champlain shore in Colchester

By Lana Cohen – VT Digger – October 11, 2021

The tension between protecting Vermont's natural heritage and building a region fit for the future is again drawing attention as a crucial issue facing the state. The topic was highlighted last week at a presentation by Vermont Fish & Wildlife Department staff at Delta Park on the shores of Lake Champlain. "On one hand we need housing to support population growth and density to prevent sprawl out in the countryside," said conservation planning biologist Jens Hawkins-Hilke, "but on the other hand we need to maintain these interconnected islands of natural habitat." [Read more here.](#)

VA: Back Bay marsh restoration a focus among southern Virginia Beach projects in referendum

By Sandi Snider and John-Henry Doucette – The Princess Anne Independent News – October 11, 2021

City voters are considering whether to support a sweeping \$567.5 million [bond referendum](#) that would speed up key projects meant to fight flooding, and a series of meetings have included a focus on efforts in southern Virginia Beach — including one that could help restore aquatic vegetation that has been in decline in Back Bay. [Read more here.](#)

WA: Federal response to wildfires must change, Forest Service chief says

By Erin B. Logan – Los Angeles Times – September 29, 2021

The U.S. Forest Service needs to hire more firefighters and reconfigure how it mitigates the risk of wildfires that are growing more intense, the head of the agency told lawmakers Wednesday. This year “has been devastating in not only the size and frequency of large wildfires but also in terms of sustained activity,” U.S. Forest Service Chief Randy Moore [testified](#) at a hearing before the House Subcommittee on Conservation and Forestry. Moore blamed the severity of recent fire seasons on extreme drought, a warming climate and a century of “overly aggressive suppression policies” that have made forests ripe for more destructive fires. [Read more here.](#)

WI: Research looks to mitigate threats to black ash trees in Northern Wisconsin

By Elizabeth Dohms-Harter – Wisconsin Public Radio – October 3, 2021

On tribal land in northern Wisconsin, [black ash](#)-dominant wetlands that are threatened by [emerald ash borer](#), drought and urban sprawl have a fierce advocate. Angela Waupochick belongs to the [Menominee Indian Tribe](#) and [Stockbridge-Munsee Community Band of Mohican Indians](#), whose reservations near Keshena in northeastern Wisconsin are covered with forests full of red maple, birch and especially black ash species. Waupochick is focused on protecting these forested wetlands, and she's hoping to do that by using technology to get a sense of which parts of the forests are in the greatest danger. [Read more here.](#)

Join ASWM

**ASWM's membership is growing, but we are still missing you!
What does membership do for you? Check out these great membership benefits below:**

- **Exclusive access to our Members' Only live Webinars and recordings**
- **Free Certificates of Participation for all ASWM LIVE webinars**
- **Opportunities for Involvement in ASWM Committees**
- **Subscription to the Association's bi-monthly membership newsletter, Wetland News; and ASWM's weekly news bulletin, Insider's Edition**
- **Reduced Rates for Participation in ASWM Workshops and Meetings**
- **Special ASWM Member Discounts for Non-ASWM Wetland Trainings & Courses**

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Wetland Science News



Wetland Events

[The Famous Ghost River](#)
Moscow, TN
November 7, 2021

[Rock Springs Run State Reserve Hike](#)
Sorrento, FL
November 7, 2021

[Waterfowl Festival](#)
Easton, MD
November 12-14, 2021

See Calendar of
Events Below

Photo by Sharon Weaver, ASWM

Changes to Coastal Wetlands Could Be Altering Carbon Capture Capacity

By Anna Zarra – UConn Today – October 19, 2021

Coastal wetlands are one of the most unique and important parts of Connecticut's landscape. They play an important ecological and economic role. A barrier against storms and flooding, natural filtration for water, an important support for fisheries, and one of the largest carbon sinks on the planet – these are all critical functions of coastal wetlands. [Read more here.](#)

Harmful Vibrio Bacteria Removed from Sea by Seagrass Meadows

Technology Networks – September 16, 2021

Seagrass meadows help mitigate climate change and prevent algal blooms. According to recent research results, they are also able to reduce concentrations of potentially harmful bacteria in seawater: A study now published by researchers from Kiel draws attention this additional ecosystem service that seagrass meadows provide to humans. The findings provide yet another reason for the protection and restoration of these long-underrated ecosystems in the German Baltic Sea. [Read more here.](#)

California project aims to bring back monarch butterflies

By Monique Beals – The Hill – October 18, 2021

California is attempting to bring back monarch butterflies with a new project that aims to restore their habitats. In the past 30 years, the monarch butterfly population in California has declined by 99.9 percent. Only 1,900 were found along the California coast in a November survey by the [Xerces Society](#), compared to 1.2 million in 1997, according to [USA Today](#). In 2021, spotters have reported seeing a few more monarchs than they did in 2020. [Read more here.](#)

Share Your Wetland Photos!

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

Photos should be submitted in .jpg, .png, or .pdf format and have a file size between 100KB – 10MB.

If you have any questions, please email Sharon at sharon@aswm.org.

Thank you and we look forward to receiving your photos!



Share Your
Wetland
Photos Here

RECENTLY RECORDED ASWM WEBINARS

Hot Topics Webinar

**Mentoring the Next Generation of Wetland Professionals:
A Collaborative Initiative with the Society of Wetland Scientists**



Held Wednesday, October 6, 2021



Members' Webinar Series

Developing a New Ecological Site Description for Karst Fens

Held Wednesday, September 29, 2021

Presenter: Frank Nelson, Missouri Department of Conservation

To view the members' webinar, please login on the [ASWM Home Page](#), then navigate to the Members' Webinar Series. Please contact us at laura@aswm.org or (207) 892-3399 if you need assistance logging in. If you are not currently a member, [click here](#) to join ASWM.



Bags That Give Back: The Association of State Wetland Managers Selected to Benefit in Hannaford Community Bag Program Designed to Give Back in Local Communities

For our friends in MA, ME, NH, NY, and VT – Reduce single-use plastic in the environment and give back to those in need in the local community, all while running routine weekly errands at your local Hannaford. The Association of State Wetland Managers (ASWM) has been selected by local Hannaford store leadership as the benefiting non-profit in the Community Bag Program for the month of November!

The Hannaford Community Bag Program is an easy way for shoppers to give back to the local community and the environment as part of the regular shopping routine. Every \$2.50 reusable Community Bag sends a \$1 donation to a non-profit local to the Hannaford in which it was purchased.



As part of this ongoing program, every month at every Hannaford location a different local non-profit is selected to benefit from the sale of the reusable Community Bag. **ASWM** was selected as the November beneficiary by local store leadership at the store located at Windham, ME. **ASWM** will receive a \$1 donation for every \$2.50 reusable Community Bag purchased at this location in November. You may also purchase bags at your local store, follow the instructions on the attached Giving Tag and direct the \$1 donation to **ASWM** anytime throughout the year.

More information about the Hannaford Community Bag Program, [can be found here](#).

ASWM Headquarters Is Moving



ASWM's headquarters will be moving in October from Windham, Maine into Portland, Maine. Our first day in our new office space will be November 1, 2021. We do not expect to have any interruptions in our services or access to staff. Although our location will change, our phone numbers and emails will remain the same. We are excited about our new home and look forward to the new opportunities it will provide!

ASWM'S WETLAND JOBS BOARD

Hydrologist

Bureau of Land Management
Fairbanks, AK
Apply by November 2, 2021

Assistant/Associate Professor – Natural Resource Economics and Policy

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

Sentinel Site Technician / OPS Environmental Specialist II

Apalachicola Natl. Estuarine Research Reserve / Florida Dept. Environmental Protection
Eastpoint, FL
Apply by November 30, 2021

Assistant Professor in Environmental Sciences

Northern Kentucky University

Healthy Rivers Senior Policy Analyst

Western Resource Advocates (WRA)
New Mexico
Apply by November 3, 2021

Environmental Education Coordinator (Entry Level)

Swamp School
Angier, NC
Apply by November 1, 2021

Assistant Professor of Environmental Studies, Tenure-track

Elon University
Elon, NC
Apply by November 30, 2021

Conservation Specialist - NAWCA Technician

Ducks Unlimited
Bismarck, ND
Apply by November 5, 2021

Restoration Ecologist

The Nature Conservancy
Toledo, OH
Apply by October 29, 2021

Research Ecologist/Fish Biologist (Unit Leader)

U.S. Geological Survey
Burlington, VT
Apply by November 15, 2021

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

GRANT OPPORTUNITIES

U.S. Environmental Protection Agency Environmental Education (EE) Grants

Apply by December 6, 2021

2022 Wetland Foundation Travel Grants – for Students

Apply by December 18, 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

Resources and Publications



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Photo by William Morgante,
Maryland Board of Public Works

The Status and Future of Tidal Marshes in New Jersey Faced with Sea Level Rise

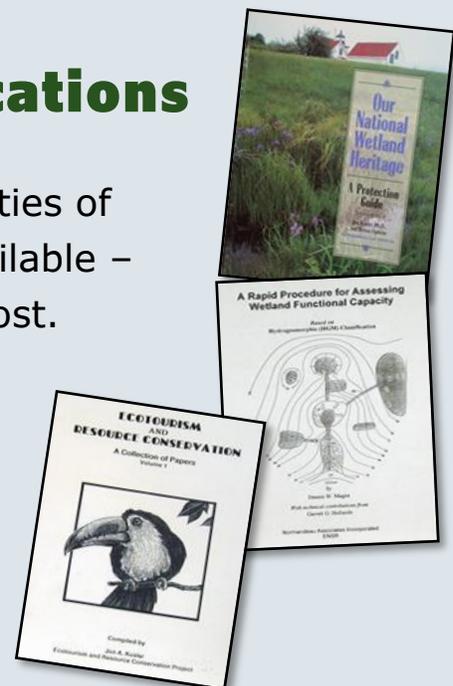
Judith S. Weiss, Elizabeth Burke Watson, et al. – Canadian Science Publishing – Anthropocene Coasts – October 6, 2021

Salt marshes are key coastal ecosystems that provide habitats for wildlife, including invertebrates, fishes, and birds. They provide ecosystem services such as protection from storm surges and waves, attenuation of flooding, sequestration of pollutants (e.g., blue carbon), and nutrient removal. They are currently under great threat from sea level rise (SLR). We collected information about trends in the horizontal extent (acreage) of New Jersey salt marshes and recent elevation changes compared with the current local rate of SLR in New Jersey, which is between 5 and 6 mm year. We found pervasive, although variable, rates of marsh loss that resulted from both anthropogenic disturbance as well as edge erosion and interior ponding expected from SLR. Elevation trends suggest that the current rates of SLR exceed most marsh elevation gains, although some Phragmites-dominated marshes keep pace with SLR. Four potential remedies to address current coastal trends of marsh loss were described in the context of New Jersey's regulatory and management environment: protection of marsh inland migration pathways, altered management of Phragmites, thin layer sediment placement, and living shoreline installations. Proactive steps are necessary if coastal wetland ecosystems are to be maintained over the next few decades. [Read more here.](#)

Free ASWM Wetland Publications

We have limited quantities of ASWM publications available – only pay for shipping cost.

[See a List of Publications Here](#)





SWS Multicultural Mentoring Program

The Society of Wetland Scientists (SWS) Multicultural Mentoring Program (SWaMMP) announces the availability of student awards for travel to attend the Joint Aquatic Sciences Meeting in Grand Rapids, MI from May 16-20, 2022. In order to meet their goal of increasing diversity in wetland science fields, the Society brings the students to their national meeting and matches them with mentors for the duration of the meeting.

Undergraduate and graduate students from groups underrepresented in the sciences are encouraged to apply for this exciting opportunity. SWS will cover most or all travel expenses associated with the meeting. Participants must be citizens or permanent residents of the United States or its possessions. Students graduating in Spring 2022 are eligible. Participants are selected based on academic promise, interest in exploring a career in the natural sciences, potential for serving as a mentor, and demonstrated commitment to increasing opportunities for underrepresented students. Please note, the 2022 program may be modified in whole or in part based on the COVID19 pandemic.

Additional information is available from Dr. Vanessa Lougheed, University of Texas at El Paso (vlougheed@utep.edu) and on the program's [webpage here](#).

Explore Wetlands

Cache River Wetlands

Cypress, IL

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

Hudson Highlands Gateway Park

Cortlandt, NY

North Creek Park

Snohomish, WA

Photo by Sharon Weaver, ASWM

Potpourri



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ASWM

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Support
Wetlands

Donate Here

Photo by Jason Carroll

DNREC Announces the 2022 Delaware Wetlands Conference

Delaware Department of Natural Resources and Environmental Control – October 14, 2021

The 10th Delaware Wetlands Conference presented by the [Delaware Department of Natural Resources and Environmental Control](#) will be held Tuesday and Wednesday, Feb. 1 and 2, 2022. Information about opportunities to sponsor the wetlands conference, and to exhibit and present at the conference can be found [here](#). The DNREC Wetland Monitoring and Assessment Program and the DNREC Coastal Training Program have planned the two-day event to showcase the importance of wetlands in Delaware and across the mid-Atlantic region. More than 400 wetland experts and enthusiasts from the mid-Atlantic region and beyond are expected to gather at the biennial conference to share the latest innovations in wetland research, conservation and outreach programs. [Learn more here.](#)

Wildnote Announces the Appointment of Dr. Mark Sudol, former U.S. Army Corps of Engineers Regulatory Chief, to Advisory Board

Wildnote – October 13, 2021

Wildnote, a mobile field data collection app with a web-based data management and reporting platform that supports wetland professionals, announced today the appointment of Dr. Mark Sudol, owner, and executive of Sudol Environmental Associates, to its advisory board, effective immediately. [Read more here.](#)



Podcasts of Interest

Middle Susquehanna Riverkeeper Podcast: [DCNR Secretary Cindy Adams Dunn on Parks, Waterway Buffers and Connecting all to the Outdoors](#)

U.S. Fish and Wildlife Service: [A Talk on the Wild Side Podcast: Dive into Wetlands](#)

The Science of Birds Podcast: [Wetlands as Bird Habitat](#)



Environmental Events

- ◆ December 4 – Wildlife Conservation Day
- ◆ December 5 – World Soil Day



Miami University - Project Dragonfly

Now accepting applications for 2022

- ◆ [Advanced Inquiry Program](#)
- ◆ [Global Field Program](#)
- ◆ [Earth Expeditions](#)
- ◆ [Learn More Here](#)



Photo by Tom Douglas,
Bayou Preservation Association



Calendar of Events

WEBINARS 2021

OCTOBER 2021

October 26, 2021 1:00 p.m. EDT	OpenChannels Webinar: MPAs as part of the climate solution: The role of blue carbon
October 26, 2021 1:00 p.m. EDT	Webinar: Managing Bottomland Hardwoods Field Tour: October 28 or 29)
October 27, 2021 2:00 p.m. EDT	U.S. Environmental Protection Agency Water Research Webinar Series: Effects of Total Nitrogen and Total Phosphorus on Chlorophyll a Concentrations in Flowing Waters
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 28, 2021 9:00 p.m. EDT	U.S. Geological Survey Public Lecture Series: Zombie Salmon and Ghost Moose: The Spooky Implications of Climate Change
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 10, 2021 11:30 a.m. EST	Wisconsin Wetlands Association: Wetland Coffee Break: Chemical control of cattail in species-rich wetlands

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
December 15, 2021 3:00 p.m. EST	Association of State Wetland Managers Members' Webinar Series: Conducting a Benefits Assessment for Restoration of Wetlands on Cranberry Farmland

MEETINGS 2021

OCTOBER 2021

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
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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 1-2, 2022 Wilmington, DE	Delaware Department of Natural Resources and Environmental Control: 2022 Delaware Wetlands Conference: Strengthening Connection Between People, Lands, and Waters . Abstracts due by November 9, 2021
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
APRIL 2022	
April 6-8, 2022 Stevens Point, WI	University of Wisconsin: 2022 Wisconsin Lakes and Rivers Convention: Protecting What We Love for the Future
April 18-22, 2022 Oostende, Belgium	22nd International Conference on Aquatic Invasive Species
MAY 2022	
May 3-7, 2022 University of Toronto Scarborough, Canada	The International Society for Ecological Modelling Global Conference 2022: Ecological Models for Tomorrow's Solutions Abstracts due November 12, 2021
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
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

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 1, 2021 Online-12 Weeks	Swamp School: Stream Restoration Level I – Stream Physics & Fluvial Geomorphology
November 1, 2021 Online-16 Weeks	Swamp School: Certified Wetland Botanist/Winter Edition
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

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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
January 10, 2022 Online-16 Weeks	Swamp School: Certified Wetland Botanist/Winter Edition

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- Interior EPA advances WOTUS rewrite
- EPA, Army Announce Regional Roundtables on WOTUS

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- Wetland Anti-Flooding Projects Promoted Along Mississippi River
- UN climate report: Africa's rare glaciers to disappear within two decades
- Democratic appropriations bills would increase environmental funding by \$6B
- US redoubles efforts to monitor carbon levels in soil with \$10 million investment
- Aspen nonprofit director to lead delegation at international climate conference
- Biden expands Bears Ears and other national monuments, reversing Trump cuts
- Improving Water Resources for Pueblo of Jemez and White Mountain Apache

STATE AND TRIBAL NEWS

- CA: Massive Outdoor Recreation Area Nears Opening in Elk Grove
- CA: Oil Spill off California Coast Devastates Wetlands, Kills Wildlife
- CO: People are flocking to Colorado for the great outdoors, but the air pollution is so bad, it's forcing many to stay inside
- FL: Florida wetlands and waterways face development and potential harm as vacated Trump rules linger
- LA: Satellite photos show Hurricane Ida's damage to Louisiana coast - and it's not pretty
- MA: Committee defers vote on controversial wetland protection proposal in Attleboro
- NJ: New Jersey's tidal wetlands could disappear because of sea rise, study says
- NC: \$150K boost moves RiverLink's Southside project closer to finish line
- OH: ODNR breaks ground on wetland at Grand Lake St. Marys
- OH: Beaver Creek Wetlands Association acquires 58 acres for Spotted Turtle Trail
- OR: Salem's Public Works Department wins award for wetland work
- OR: Feds defend ag irrigation in drought-stricken wetland refuge
- RI: New Freshwater Wetlands Rules Create Uniform Buffers
- VT: Scientists discuss protection of rare species on Lake Champlain shore in Colchester
- VA: Back Bay marsh restoration a focus among southern Virginia Beach projects in referendum
- WA: Federal response to wildfires must change, Forest Service chief says
- WI: Research looks to mitigate threats to black ash trees in Northern Wisconsin



WETLAND SCIENCE NEWS

- Changes to Coastal Wetlands Could Be Altering Carbon Capture Capacity
- Harmful Vibrio Bacteria Removed from Sea by Seagrass Meadows
- California project aims to bring back monarch butterflies

RESOURCES/PUBLICATIONS

- The Status and Future of Tidal Marshes in New Jersey Faced with Sea Level Rise
- Free ASWM Wetland Publications

POTPOURRI

- DNREC Announces the 2022 Delaware Wetlands Conference
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January 2022

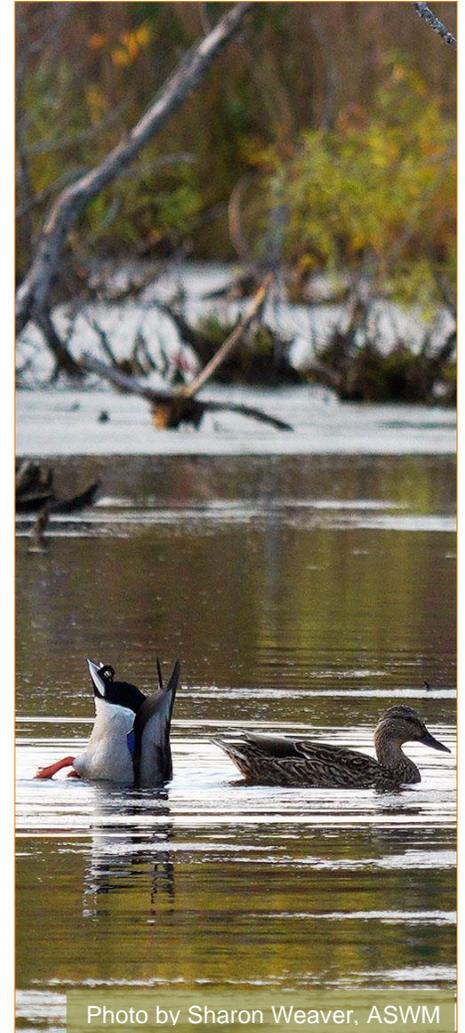
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- 22nd International Conference on Aquatic Invasive Species

May 2022

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- Joint Aquatic Sciences Meeting
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Photo by Sharon Weaver. ASWM



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>.

"WETLAND NEWS DIGEST" Compiled by Tessa Paulsen, Intern; and Edited by Marla Stelk, Executive Director; Laura Burchill and Sharon Weaver, Assistant Editors, Association of State Wetland Managers, 32 Tandberg Trail, Ste. 2A, Windham, ME 04062. Telephone: 207-892-3399; Fax: 207-894-7992.

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



Photo by Sharon Weaver, ASWM