

TRIBAL WETLAND PROGRAMS WEBINAR SERIES

Education and Outreach Efforts to Support Tribal Wetland Programs

September 21, 2023
3:00pm – 4:30pm ET

Hosted by the National Association of Wetland Managers and Saint Mary's University of Minnesota GeoSpatial Services



WEBINAR #7: Education and Outreach Efforts to Support Tribal Wetland Programs



Webinar Overview:

Education and outreach activities can be useful tools in conveying the importance of wetlands to the broader community, engaging youth, and building support for wetland protections and wetland programs. These activities can also be opportunities to incorporate cultural knowledge and values into wetland projects or programs. In this webinar, we will learn about education and outreach efforts as a part of the Bushy Lake Eco-Cultural Project in Sacramento, CA and within the work conducted by the Tulalip Tribes of Washington Natural and Cultural Resources Division.

Webinar Presenters:

- Michelle Stevens, California State University Sacramento
- Melissa Gobin, Tulalip Tribes of Washington
- Michelle Bahnick, Tulalip Tribes of Washington



PHOTO CREDIT: THE WETLANDS INSTITUTE

WEBINAR AGENDA



**Saint Mary's
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GEOSPATIAL SERVICES



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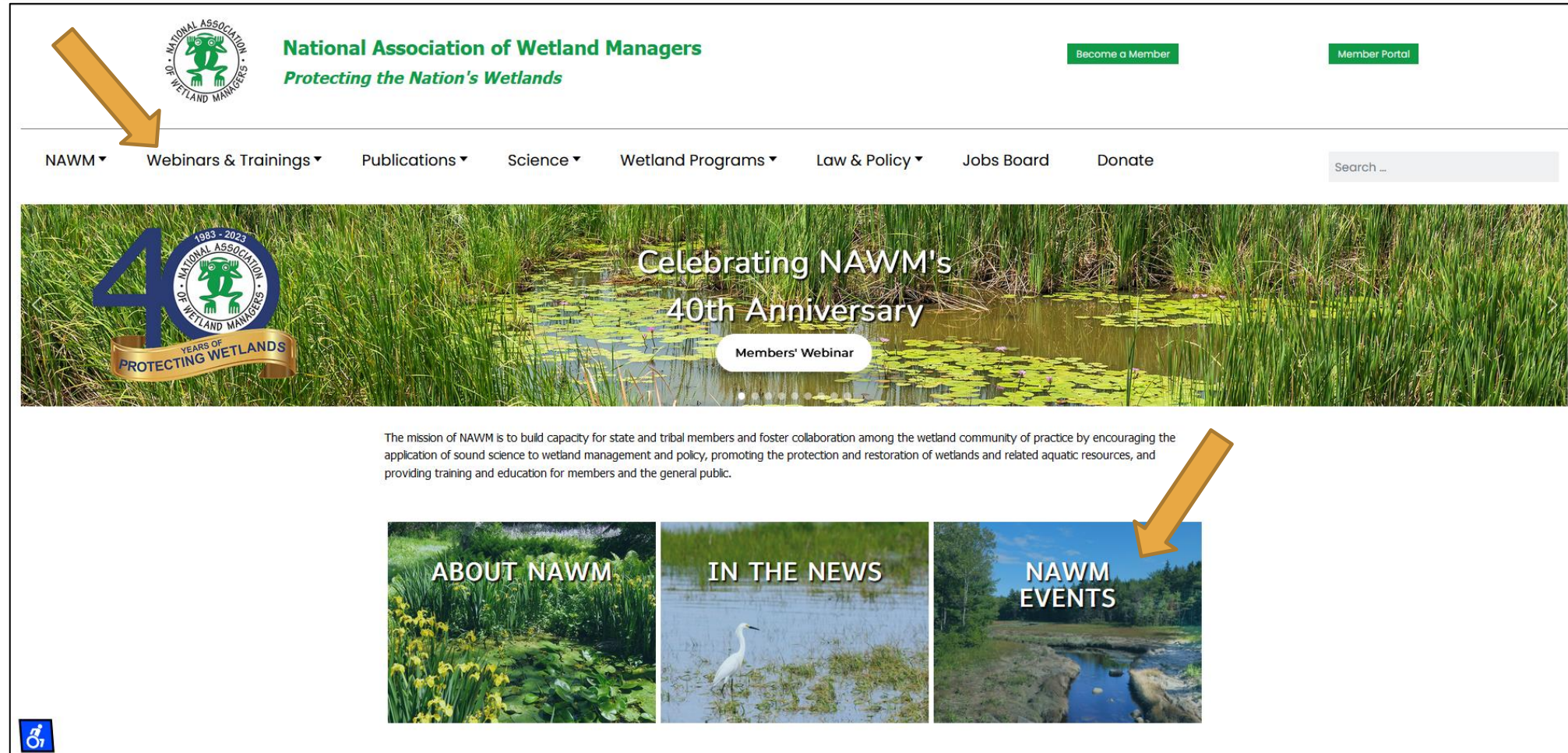
Welcome & Introduction
(15 minutes)

Presentations
(60 minutes)

Q&A
(15 minutes)

How to Access Information about NAWM Webinars

www.nawm.org



The screenshot shows the NAWM website homepage. At the top left is the NAWM logo, a green frog in a circle, with an orange arrow pointing to it. To the right of the logo is the text "National Association of Wetland Managers" and "Protecting the Nation's Wetlands". Further right are two green buttons: "Become a Member" and "Member Portal". Below this is a navigation menu with items: "NAWM", "Webinars & Trainings", "Publications", "Science", "Wetland Programs", "Law & Policy", "Jobs Board", and "Donate". A search bar is on the right. The main banner features a wetland scene with a "40th Anniversary" logo (1983-2023) and a "Members' Webinar" button. Below the banner is a mission statement: "The mission of NAWM is to build capacity for state and tribal members and foster collaboration among the wetland community of practice by encouraging the application of sound science to wetland management and policy, promoting the protection and restoration of wetlands and related aquatic resources, and providing training and education for members and the general public." At the bottom are three image-based links: "ABOUT NAWM" (with a yellow flower image), "IN THE NEWS" (with a white egret image), and "NAWM EVENTS" (with a rocky stream image). An orange arrow points to the "NAWM EVENTS" link. A small accessibility icon is in the bottom left corner.

National Association of Wetland Managers
Protecting the Nation's Wetlands

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40 1983 - 2023
YEARS OF PROTECTING WETLANDS

Celebrating NAWM's 40th Anniversary

[Members' Webinar](#)

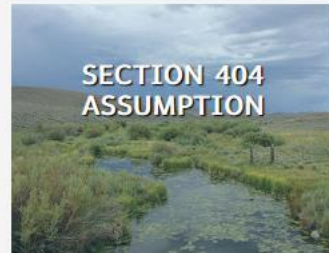
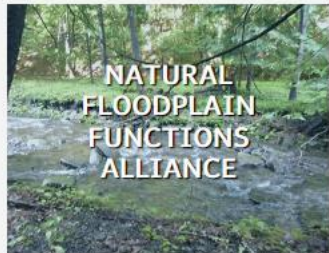
The mission of NAWM is to build capacity for state and tribal members and foster collaboration among the wetland community of practice by encouraging the application of sound science to wetland management and policy, promoting the protection and restoration of wetlands and related aquatic resources, and providing training and education for members and the general public.

[ABOUT NAWM](#) [IN THE NEWS](#) [NAWM EVENTS](#)



NAWM WEBINARS

(by Webinar Series)



UPCOMING: WEBINAR #8



**Saint Mary's
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Preparing Quality Assurance Project Plans for Your Tribal Wetland Program

Thursday, November 2, 2023 – 3:00-4:30 pm ET

Webinar Presenters:

- Kelly Rodibaugh, U.S. Environmental Protection Agency, Region 5
- Cindy Fields, U.S. Environmental Protection Agency, Region 10
- Janice Martin, Quinault Indian Nation Division of Natural Resources

Learn more and register at www.nawm.org



*PHOTO CREDIT: THE WETLANDS
INSTITUTE*

WEBPAGE WITH RESOURCES



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Tribal Wetland Programs

Wetlands and other water resources hold cultural significance to many tribal communities. Wetlands plants may be used for sustenance; for medicinal, healing, and ceremonial purposes; or for weaving baskets and textiles. Fish and wildlife that live in wetlands may also be sources of food. Further, wetlands may be sites of cultural importance to a community. Many tribal communities undertake efforts to protect and restore these valuable resources. Development of a Tribal Wetland Program is an opportunity for a tribal community to identify priorities and implement plans for managing and protecting their wetland resources.

The National Association of Wetland Managers (NAWM) published a Wetland Program Plans Handbook in 2013 that provides information to States and Tribes on how to develop comprehensive wetland programs. In 2022, the U.S. Environmental Protection Agency published a supplemental guide focused on supporting Tribal Nations interested in managing and protecting their wetlands and waters. These references can be downloaded at the links below:

- [NAWM's 2013 Wetland Program Plans Handbook: A resource to Assist States and Tribes in Developing Strategic Approaches to Achieve Comprehensive Wetland Programs](#)
- [EPA's 2022 Protecting Waters and Wetlands in Indian Country: A Guide for Developing Tribal Wetland Management Programs](#)

This webpage is intended to provide tools and resources for tribal wetland program managers to utilize when building and developing their wetland programs. The following pages address various aspects of tribal wetland programs and provide links to relevant resources. Additional resources that may be of interest are available on NAWM's [State Wetland Programs](#) webpage.

Tribal Wetland Programs Topic Areas

- [EPA Core Elements Framework and Wetland Program Plans](#)
- [Wetland Program Funding](#)
- [Education and Outreach](#)
- [Wetland Mapping Tools](#)
- [Webinar Recordings and Training Resources](#)

Coming Soon Web App Explorer – Find Your Program on the Map!

Tribal Training Calendar



**Find the new
Tribal Wetland Programs
webpage and resources at
www.nawm.org**

ONLINE TRAINING MODULES



**Saint Mary's
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**Past Tribal Wetland Program
Webinars Now Available as Online
Training Modules with Optional
Certificates of Completion**

View the training modules at
www.nawm.org

Tribal Wetland Programs Online Training Series (NonMembers)

The National Association of Wetland Managers (NAWM) and Saint Mary's University of Minnesota GeoSpatial Services (SMUM) developed a series of webinars focused on increasing the capacity of Tribal Communities to protect, restore, and mitigate impacts to tribal wetlands. The webinar series was developed with guidance from an advisory workgroup composed primarily of Tribal wetland managers. The webinars, which were held in 2022 and 2023, cover the basics of starting and building a tribal wetland program and feature presentations from EPA staff and tribal representatives from across the country.

The target audience for this online training series is tribal wetland and aquatic resources staff, including field staff and managers who are interested in forming or developing a wetland program, as well as other wetland and aquatic resource professionals who work with tribal communities.

Additional resources that may be of interest are available on the [Tribal Wetland Programs webpage](#).

List of Modules in the Training Series (8 modules)

Module 01: [Getting Started with Tribal Wetland Plans](#)

Module 02: [A Path to Successful EPA Grant Applications for Your Tribal Wetland Program](#)

Module 03: [Protecting Waters and Wetlands in Indian Country: An Overview and Case Studies from EPA's New Tribal Wetland Program Guide](#)

Module 04: [Developing Your Tribal Wetland Program](#)

Module 05: [Monitoring and Assessment: Data Collection and Applications for Tribal Wetland Programs](#)

Module 06: [Geospatial Mapping Tools and Techniques for Tribal Wetland Programs](#)

Module 07: [Education and Outreach Efforts to Support Tribal Wetland Programs](#) [coming in December 2023]

Module 08: [Preparing Quality Assurance Project Plans for Your Tribal Wetland Program](#) [coming in December 2023]



NAWM BENEFITS OF MEMBERSHIP

- Exclusive access to our live Member's Webinar Series and archived library of webinar recordings (8 per year). Topics alternate between science, policy, and legal issues.
- Free Certificates of Attendance for all NAWM live webinars. (Non-members are charged \$25 for each Certificate.) You will have up to 60 days to retrieve your certificate.
- Access to NAWM Online Training Library with the opportunity to earn free Certificates of Completion
- Free subscription to the NAWM's bi-monthly membership newsletter, Wetland News
- Free subscription to the NAWM's weekly news bulletin, Insider's Edition
- Reduced rates for participation in NAWM workshops and training sessions
- Access to a national network of wetland professionals
- Opportunities for involvement in NAWM committees
- Voting rights in elections of the Board of Directors and all issues presented to members to vote
- Access to a robust online collection of wetland references
- Discount from other organizations for wetland trainings and courses
- A sense of pride knowing that you have directly supported active wetland conservation efforts nationwide
- Groups of 10 or more – include your linked logo on the homepage of the NAWM website
- **New** – Access to a Members-only Federal Policy Tracker Tool
- **Coming Soon** – Members-only Discussion Forums on a range of topics

<https://www.nawm.org/join-nawm>



CERTIFICATES OF ATTENDANCE

Who can get Certificates of Attendance?

You must be an attendee during the entire live webinar presentation.

You must have registered under your own name or if part of a group, verify your attendance.

You are responsible for sending the NAWM certificate to your accrediting organization.

A link to a page with instructions will be sent to everyone who registered in an e-mail one hour after the webinar ends.
Non-members are required to pay \$25 per certificate.

Using *ClassMarker* to Download your Certificate of Attendance

You will need to **create a unique username and password for each certificate.**

This will take you to the “test” where you will **certify your participation.** If you certify your participation, click “yes.”

You will be prompted to download your certificate. If you cannot download, go back into *ClassMarker* using your password to print.
Do not pay twice to download.

Certificates are free for NAWM members and **\$25 per certificate for non-members.**

NEW – All Certificates must be claimed **no later than 60 days** from the live presentation.

For assistance , please contact **Laura Burchill** at laura@nawm.org or (207) 892-3399.





**NOAA
FISHERIES**

Update on Office of Habitat Competitive Funding Opportunities

Bipartisan Infrastructure Law & Inflation Reduction Act

Tribes are eligible for all opportunities listed here:

fisheries.noaa.gov/habitat-BIL-IRA

Funding Opportunity: Tribal Fish Passage

- Up to **\$85M** available to support tribal fish passage work and building tribal organizational capacity
- Award range: \$300K - \$12M
- Application deadline: November 8
- Limited eligibility for federally recognized tribes, tribal organizations, and Alaska Native Corporations
- Contact: Infrastructure.Tribal@noaa.gov

<https://www.fisheries.noaa.gov/grant/restoring-tribal-priority-fish-passage-through-barrier-removal-grants>



Credit: Penobscot River Restoration Trust

Funding Opportunity: Habitat Restoration for Tribes and Underserved Communities

- Up to **\$45M** available for projects that advance the habitat restoration and climate resilience priorities of tribes and underserved communities
 - **\$20M** for federally recognized tribes, through direct awards or subawards
 - **\$25M** broad eligibility; tribes and underserved communities, or entities that partner with tribes or underserved communities
- Award range: **\$75K - \$3M**



Funding Opportunity: Habitat Restoration for Tribes and Underserved Communities, continued

- Projects can include several types of activities:
 - **Capacity building**, such as resilience planning, project planning and feasibility studies, stakeholder engagement, or proposal development for future funding.
 - **Actionable science support**, such as the collection or analysis of climate, habitat, or other data that informs planning, decision making, or future restoration.
 - **Restoration**, such as demonstration projects, engineering and design, permitting, or on-the-ground habitat restoration.
- Application deadline: December 19
- Contact: Underserved.Community.Grants@noaa.gov
- <https://www.fisheries.noaa.gov/grant/coastal-habitat-restoration-and-resilience-grants-tribes-and-underserved-communities>

TODAY'S MODERATOR



**Saint Mary's
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Portia Osborne
Project Manager,
National Association of
Wetland Managers

TODAY'S PRESENTERS



**Saint Mary's
University**
GEOSPATIAL SERVICES



Michelle Stevens
California State University
Sacramento



Melissa Gobin
Tulip Tribes of Washington



Michelle Bahnick
Tulip Tribes of Washington



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CHANGING OVER TO
PRESENTER'S COMPUTER...

PHOTO CREDIT: DAN CARY

QUESTIONS?



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THANK YOU!



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PHOTO CREDIT: JOHN SULLIVAN

**National Association of
Wetland Managers**

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**Saint Mary's University of MN
GeoSpatial Services**

(507) 457-8746

www.geospatialservices.org

Guest Biographies



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Michelle Stevens has been a founder member of ecological and cultural restoration since the 1980's. As a tribal descendent of the Nez Perce tribe, Colville Confederated Tribes, she was raised with a love of tribal knowledge and relationships. She helped initiate Traditional Ecological Knowledge Sections in the Ecological Society of America, the Society of Ecological Restoration, and Society of Wetland Scientists. Her doctorate was completed on a cultural keystone species "white root" (*Carex barbarae*) with her beloved Miwok community; the research was awarded the Barbara Lawrence Award from the Society of Ethnobiology. Her ecocultural knowledge was expanded from working with Marsh Arabs in the Mesopotamian Marshes of Iraq. Her post doc with M. Kat Anderson included publishing 64 culturally significant plant guides for NRCS. Since 2015, she has initiated eco cultural restoration at Bushy Lake on the lower American River in Sacramento, CA. At this time, she is very interested in learning more about Traditional Fire Management from tribal elders and knowledge holders and implementing TRM in California riparian areas.



Melissa Gobin is a Tulalip tribal member born and raised in beautiful Tulalip. She is the new Natural resources Outreach and education coordinator for Tulalip fulfilling a much-needed position in their department. She has a BA degree in Tribal administration and business management focusing on project management from Northwest Indian College. She has worked in Natural resources for the past six years learning all she could from every department and putting that all to good use now teaching the kids about what they do here and why they do what they do to help protect our land and water and all the resources involved. She loves teaching and sharing everything there is about the land and water along with their culture and their heritage. Melissa comes from a big family that has always been immersed in natural resources and they were taught to be stewards of the land in many ways. Their grandparents knew that this would be their future and she is proud to carry it through to teach the next generations.



Michelle Bahnick is the Wetland Biologist for the Tulalip Tribes of Washington Natural and Cultural Resources Division where they manage the Tribes' Wetland Program. Having started this position in November 2021, they are extremely grateful for the work of the other wetland biologists who have developed the Tulalip Tribes' wetland program. Michelle is excited to further develop and refine the Wetland Program in order to preserve, protect, enhance, restore, and manage wetlands and their functions for the benefit of the Tulalip Tribes now and into the future. Prior to their work with the Tulalip Tribes, Michelle worked in environmental consulting, assisted with studies assessing juvenile salmonid passage through dams on the Columbia River, caught rock iguanas in the Bahamas for a long-term life history study, and served with the Washington Conservation Corps to restore riparian areas and monitor Aquatic Reserves in Puget Sound. They hold a M.S. in Biology from Western Washington University, a B.A. in Biology from Earlham College, and a certificate in Wetland Science and Management from the University of Washington.

Education and Outreach Efforts to Support Tribal Wetland Programs

Presenter ~ September 21, 2023



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Michelle Stevens
stevensm@csus.edu

Rising from the Ashes: Culturally significant plants and fire resilience at Bushy Lake, Sacramento, CA

Dr. Michelle Stevens and Alexandra von Ehrenkrook
California State University Sacramento



Indian hemp/ Dogbane (*Apocynum cannabinum*)

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TULALIP TRIBES
Natural and Cultural Resources Division, Tulalip Tribes of Washington

Building Tribal Wetland Education and Outreach Programs Tulalip Tribes of Washington

Presented By
Melissa Gobin, Education and Outreach Coordinator, Tulalip Tribes
Michelle Bahnick, Wetland Biologist, Tulalip Tribes

NAWM Tribal Wetland Programs Webinar Series - September 21, 2023