



Wetland Science Conference

2023

Wisconsin Wetlands
ASSOCIATION

Wetlands: Central to Wisconsin

February 21-23, 2023
Stevens Point, WI







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Cover photo: Joshua Mayer

About Wisconsin Wetlands Association

Wisconsin Wetlands Association (WWA) is dedicated to the protection, restoration, and enjoyment of wetlands and associated ecosystems through science-based programs, education, and advocacy. We envision a state where wetlands are healthy and plentiful and support ecological and societal needs, and where citizens care for, appreciate, and interact with these natural resources. We are a non-profit, non-partisan, member-supported conservation organization.

As a leader for wetlands in Wisconsin, WWA focuses on advancing wetland conservation. Our work prioritizes providing tools and expertise to help others protect, manage, and restore wetlands. We actively engage in opportunities to advance wetlands as solutions to critical water management concerns at a watershed scale in ways that can be adapted across Wisconsin and beyond.

If you are not yet a member of Wisconsin Wetlands Association, we encourage you to show your support for wetlands and for our wetland conservation programs by becoming a member today!

Learn more and join online at wisconsinwetlands.org

World Wetlands Day

February 2nd is World Wetlands Day, the annual worldwide celebration of wetlands that commemorates the signing of the Ramsar Convention on Wetlands on February 2, 1971, in the Iranian city of Ramsar. On World Wetlands Day, government agencies, non-governmental organizations, and groups of

citizens around the world take action to raise public awareness of wetland values. WWA's Wetland Science Conference is held in celebration of World Wetlands Day each year. Learn more about World Wetlands Day at ramsar.org.



We work with Wisconsin wetland professionals and enthusiasts to nominate worthy Wisconsin wetlands for Ramsar designation.

Designated wetlands include: Kakagon and Bad River Sloughs (2012), the Door Peninsula Coastal Wetlands (2014), the Chiwaukee Illinois Beach Lake Plain (2015), and the Lower Wisconsin River (2020).

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Welcome to Wetlands: Central to Wisconsin

Wisconsin Wetlands Association's 28th Annual Wetland Science Conference.

Welcome back to the Wetland Science Conference in person! We are so happy to have you join us in Stevens Point this year, and we are looking forward to hearing the chorus of wetland enthusiasts meeting old friends and making new ones.

This year, as we all converge here in Central Wisconsin, we explore the many ways that wetlands—those places between the wet and the dry that connect everything—are at the center of our vision for a healthy landscape.

As we explore this year's theme, *Wetlands: Central to Wisconsin*, we'll connect over the latest wetland protection, restoration, and management techniques and approaches. We'll examine how the work we're doing now is supporting watershed-scale planning and projects to restore healthy hydrology—all while building partnerships to increase engagement in wetland conservation. And we'll explore how we can refocus our work to accomplish those larger landscape conservation goals.

While wetlands are central to Wisconsin, this wetland community is—YOU are—central to wetlands. May this conference and the information and networking it facilitates provide you with new ideas, new connections, and new energy for continuing our collective work caring for wetlands.

Conference Advisory Panel

Tom Bernthal WDNR (retired)
Dan Collins Landscapes of Place
Mike Demchik UW-Stevens Point
Jon Gumtow Stantec
Tracy Hames WWA
Tod Highsmith WWA Treasurer
Sally Jarosz WDNR
Kelly Kearns WDNR
Lauren Leckwee WCMP
Travis Olson UW Madison Division of Extension
Aaron Feggstad Heartland Ecological Group
Randy Poelma Ho-Chunk Nation
Dan Salas Stantec
Travis Schroeder WDNR
Susan Schumacher WWA Board Member
Paul Skawinski UW-Stevens Point Extension Lakes
Pat Trochlell WDNR (retired)
Dreux Watermolen WDNR

WWA staff supporting these advisors: Katie Beilfuss, Emily Buck, and Ginny Carlton.

PROGRAM HIGHLIGHTS: Key Speakers

Keynote Address

Wednesday, February 22, 9:20–10:20 am

Location: Northwoods Expo

Sponsored by the Fund for Lake Michigan.

Beavers: Heroes or villains of climate change?



Carol Johnston
Professor Emerita, South Dakota State University

The benefits of beaver ponds and meadows to wildlife are well known, but beaver-created wetlands also play an important role in the carbon cycle. Beavers submerge wood to create dams, lodges, and food caches, and that wood can take hundreds to thousands of years to decay. Beavers don't work alone: their plant and microbial partners respectively increase carbon capture and decrease decomposition rates. There is a dark side of beaver wetland creation, though, because numerous studies have shown beaver ponds to be hotspots of methane flux, a potent greenhouse gas. So, are beavers heroes or villains when it comes to climate change?

About the Speaker

Dr. Carol A. Johnston is Professor Emerita at South Dakota State University. She received M.S. and Ph.D. degrees in Soil Science from UW-Madison and went on to direct the Wisconsin Wetlands Inventory at the WDNR for six years. She has also worked as a consultant and as a Program Director for the National Science Foundation in Washington. Johnston was named a Fellow of the Society of Wetland Scientists in 2013 and Distinguished Landscape Ecologist by the International Association for Landscape Ecology–NA in 2022. Her research on beaver ponds and meadows is published in her book, *Beavers: Boreal Ecosystem Engineers*.

Banquet Presentation

Wednesday, February 22, 6:30–9:00 pm

Location: Northwoods Expo

Sponsored by Stantec.

If the waters could speak: Hooçąk voices and values



Janice Rice
Senior academic librarian & lecturer emerita, UW-Madison, and member, Ho-Chunk Nation

The interdependence of land and water has brought a richness of culture, history, and art into the lives of ancestral and present-day Hooçąk (Ho-Chunk) people. Many untold stories convey the culture and values that have guided generations of Hooçąk people who have called this place home. Rice will share how her people lived and prospered in their villages of the sand country region. She'll also share how present-day Hooçąk perpetuate the values and teachings with love and respect for the lands and waters. Listen as she weaves together the voices of her Hooçąk ancestors, along with her educational experiences in academia and life in Indian Country, sharing the inspiration she feels from the beauty of the landscape and waters of central Wisconsin's homelands.

About the Speaker

Janice Rice is a member of the Ho-Chunk Nation and a lecturer at UW-Madison. She is also a Clan Mother and Peacemaker for the Trial Court of Ho-Chunk Nation and a board member of Ho-Chunk Nation's museum. She received a bachelor's degree in education from UW-Milwaukee and an MLA in library science from UW-Madison, and she was awarded the Women of Color in Education Awards from UW-Madison and the UW-System. Throughout her career, she has worked to promote American Indian education, librarianship, civil rights, intellectual freedom, and heritage preservation.

Note: The Banquet is a ticketed event open to conference participants and the general public who purchased tickets in advance. If you did not purchase a ticket, please see the conference registration desk for information about ticket availability.

Plenary Session Armchair Conversation

Thursday, February 23, 8:30–9:30 am

Location: Northwoods Expo

Sponsored by the Wisconsin Department of Natural Resources.

Central Wisconsin's treasured wetlands: From storied past to dynamic future

Katie Hein and Ryan O'Connor
Wisconsin Department of Natural Resources

Wetlands in Central Wisconsin include both large intact peatland and seepage lake complexes as well as places highly altered by past and present land use. How did these wetlands come to be, how are they faring, and what does the future hold? Join limnologist Katie Hein and ecologist Ryan O'Connor for an armchair conversation on how glacial history shaped hydrology and, in turn, unique and beautiful plant communities. They will also discuss human influences throughout the ages and the complex interaction of water use and natural climate variability.

About the Speakers



Katie Hein leads lake water quality monitoring at the Wisconsin DNR and also serves as the Water Resources working group chair for the Wisconsin Initiative on Climate Change Impacts. She received her master's degree in limnology from UW-Madison and her PhD in aquatic ecology from Utah State University. Katie has been interested in aquatic plants for more than 20 years, and she recently studied the continuum from submersed to terrestrial plants along lake shorelines as part of the Central Sands Lake Study. This project expanded her knowledge of how climate variability and water withdrawals interact to influence plant communities.



Ryan O'Connor is an ecologist and conducts biotic inventories of natural communities for the Wisconsin DNR's Natural Heritage Conservation program. His professional interests include providing land managers with high-quality data to make better decisions, developing climate adaptation resources, and hunting for rare and invasive plants. He is also a member of the Plants and Natural Communities Working Group for the Wisconsin Initiative on Climate Change Impacts. He received his master's degree from the University of Michigan and has spent much of his time in Wisconsin helping to develop floristic quality benchmarks for wetland communities.

PROGRAM HIGHLIGHTS: Poster Session

Posters will be available for viewing from 8:00 am on Wednesday through 12:00 pm on Thursday in the Commons area. The Poster Session (when authors will be present to discuss their posters) will be held Wednesday, 4:40–6:30 pm.

Sponsored by Merjent.

The code following the authors name is the author's poster number, which will also be displayed on the poster board to help with poster session navigation. Asterisks indicate the presenter is a participant in the student presentation competition.

Cannizzaro, Joseph*	(P13)	Pop goes the muskrat: Evidence of muskrat (<i>Ondatra zibethicus</i>) in the diet of the Blanding's turtle (<i>Emydoidea blandingii</i>)
Collins, Dan	(P19)	Learning ecological restoration: Getting to proficiency in eight weeks
Dursky, Tyler	(P7)	Best practices for avoiding and minimizing wetland impacts for trunk sewer projects
Dzyacky, Spencer	(P21)	Effect of trophic state and water depth in the growth of European frog-bit
Finnerty, Shannon*	(P2)	Assessing wood duck (<i>Aix sponsa</i>) health parameters in central Wisconsin
Finnerty, Shannon*	(P3)	Using geolocator data to evaluate wood duck (<i>Aix sponsa</i>) breeding propensity and nest success
Gasperetti, Roxanne*	(P16)	Wetland management practices associated with parasite diversity
Geisen, Ann	(P4)	Minnesota's wild rice shoreland protection project
Jaloszynski, Connor	(P14)	Little Plover River headwaters wetland restoration remnant seedbank study, Plover, WI
Kalscheur, Maureen	(P11)	Let's collaborate to detect new invasive species
Kirkpatrick, Bella*	(P20)	UW-Stevens Point Society for Ecological Restoration Student Chapter: Educating volunteers to promote wetland restoration and stewardship
Kuchta, Matt	(P1)	Molluscan fauna of ephemeral and permanent wetlands in the Chippewa Moraine
Palmquist, Madeline*	(P5)	Utilizing biochar to restore damaged ecosystems
Paulson, Hannah	(P15)	Climate change and Great Lakes Basin water management
Pociask, Geoff	(P17)	Hydrology, carbon storage, and water- and soil quality in wetlands along the Lake Michigan shore in Illinois
Roxo, Skylynn	(P18)	How do different feedstock types influence biochars potential as a restoration tool in wetland ecosystems
Smith, Amanda	(P8)	European frogbit (<i>Hydrocharis morsus-ranae</i>) in Wisconsin
Spang, Alana*	(P9)	Phragmites (<i>Phragmites australis</i> ssp. <i>australis</i>) removal and native plant recolonization in Schmeckle Reserve, Portage County, WI
Tsakos, Kristina*	(P12)	Remediating road salt pollution with biochar
Wefferling, Keir	(P10)	Integration of bryophytes into floristic quality assessments for Wisconsin peatlands
Wied, Joshua	(P6)	Temporary wetland disturbance and vegetation recovery from the use of timber matting on utility projects

WEDNESDAY, February 22, 9:00 am - 9:30 pm

9:00 - 10:20 Plenary Session (Northwoods Expo)		<i>Sponsored by Fund for Lake Michigan</i>			
9:00	Welcome & Opening comments				
9:20	Conference Keynote: Beavers: Heroes or villains of climate change? Carol Johnston, Professor Emerita, South Dakota State University				
10:20 - 10:40 Break (Northwoods Expo & Commons)		<i>Sponsored by Westwood Professional Services</i>			
10:40 - 12:00 Concurrent Sessions, Working Group, & Roundtable Conversation					
	Spruce Ballroom Working Group	Evergreen Ballroom Hydrologic Assessment in Flood-Prone Landscapes Moderator: Kyle Magyera	Stonefield Ballroom Science-informed Wetland Regulation Moderator: Josh Brown	Woodland Ballroom Roundtable Conversation	
10:40	Tribal Wetland Programs Facilitator: Randy Poelma (by invitation only)	Connecting flood-related fluvial erosion with vulnerable downstream road-stream crossings Fitzpatrick, Faith	Wisconsin Wetland Conservation Trust: Moving towards mitigating for wetland functional values Pearce, Tom	Wisconsin's Women and Wetlands	Facilitators: Sally Gallagher Jarosz and Nicole Staskowski
11:00		Using updated hydrologic and hydraulic models to develop the Marengo River Watershed Management Plan Rappolee, Eleanor	Connecting wetland and stream mitigation activities Marcangeli, April		
11:20		Developing a new hydrologic conditions assessment framework in the Marengo River watershed Rockwood, Stephanie	WDNR Technical Standard 1072 Horizontal Directional Drilling: An overview Nye, Ann		
11:40		Q & A Discussion			
12:00 - 1:30 Lunch (provided - Northwoods Expo)		<i>Sponsored by We Energies Foundation</i>			
1:30 - 2:50 Concurrent Sessions, Workshops & Working Groups					
	Spruce Ballroom Working Group	Evergreen Ballroom Wetlands and People Moderator: Chris Young	Stonefield Ballroom Effective Restoration & Management Techniques Moderator: Sally Jarosz	Woodland Ballroom Workshop	
1:30	WWA Wetland Policy Roundup Facilitators: Erin O'Brien and Jennifer Western Hauser	The Land Restoration School: Preparing the next wave of ecological restoration practitioners Aten, Nancy	Monitoring hydrology of Minnesota's reference condition wetlands Skancke, Jennie	Wetland Natural Communities of Wisconsin	Instructors: Ryan O'Connor and Pat Trochlell **Pre-registration required**
1:50		Tangible steps forward: Diversity, equity, inclusion and justice lessons learned by a watershed group Wallrath, Matthew	Mitigating a mitigation: Addressing failure in wetland design and maintenance Downey, Will		
2:10		New videos promote tribal wetland conservation leadership in Wisconsin Beilfuss, Katie	Undoing the "drainage dream": Restoring a river in the heart of the sand counties Strobel, Brad		
2:30		Outlet management on wild rice lakes in Minnesota Geisen, Ann			
2:50-3:20 Break (Northwoods Expo)		<i>Sponsored by Sterling Site Access Solutions, LLC</i>			
3:20-4:40 Concurrent Sessions, Workshops & Roundtable Conversation					
	Spruce Ballroom Roundtable Conversation	Evergreen Ballroom Floodplain Restoration in FEMA-regulated Mapped Floodplains Moderator: Erin O'Brien	Stonefield Ballroom Wetland Plants & Plant Communities Moderator: Aaron Feggstad	Woodland Ballroom Workshop	
3:20	The Mary Linton Wetland Poetry Session Facilitators: Lisa Hartman, Mike Mossman, and Alice Thompson	Restoring floodplains in rural communities: Opportunities and challenges Magyera, Kyle	Vegetation change over five years in ephemeral ponds Little, Mandy	Wetland Natural Communities of Wisconsin	(continued)
3:40		Wetland and floodplain restoration at Fancy Creek, Richland County, WI Hayden, Nick	Evolutionary responses of bacteria to antibiotics affect their ability to inhibit a fungal pathogen Tuthill, Isabella*		
4:00		Accelerating investments in floodplain restoration: Facilitated discussion and listening session O'Brien, Erin	Testing the waters: Wisconsin's Aquatic Invasive Species Monitoring Program Kalscheur, Maureen		
4:20					
4:40 - 6:30 Poster Session and Social (Northwoods Expo & Commons)		<i>Sponsored by Merjent</i>			
6:30 - 9:00 Banquet and Presentation (Ticketed Event - Northwoods Expo)		<i>Sponsored by Stantec</i>			
7:30	Banquet presentation: If the waters could speak: Hoocąk voices and values Janice Rice, senior academic librarian and lecturer emerita, UW-Madison, and member, Ho-Chunk Nation				

THURSDAY, February 23, 8:30 am - 4:30 pm

8:30 - 9:30 Plenary Session (Northwoods Expo) *Sponsored by Wisconsin Department of Natural Resources*

8:30 **Welcome**
 8:40 **Plenary Address: Central Wisconsin's treasured wetlands: From storied past to dynamic future**
 Katie Hein and Ryan O'Connor, Wisconsin Department of Natural Resources

9:30 - 10:30 Concurrent Sessions, Workshop, & Roundtable Conversations

	Spruce Ballroom Roundtable Conversation	Evergreen Ballroom Research and Monitoring in the Little Plover River Watershed Part I Moderator: Sue Schumacher	Stonefield Ballroom Effective Wetland Conservation Partnerships Moderator: Jason Granberg	Woodland Ballroom Workshop
9:30	Working with Tribes to build wetland program capacity and a nationwide framework for advancement Facilitators: Andy Robertson and Marla Stelk	The Little Plover River Watershed Enhancement Project: Background and accomplishments Hames, Tracy	Rural landowners: Key partners in successful invasive species management in wetland restorations O'Connor, Kaitlyn	Identification of Wisconsin's Aquatic Plants Instructor: Paul Skawinski **Pre-registration required**
9:50		Restoring channel morphology on the Little Plover River and reconnecting its floodplain Herrman, Kyle	Restoring a section of Sugar River Wetlands through volunteer workdays Urban, Jared	
10:10		Brook trout in the Little Plover River: A system with restoration efforts to improve flow and habitat Raabe, Joshua	Goat Guardians: How Vernon County volunteers use goats to remove invasives in wetlands Wallrath, Matthew	

10:30 - 11:00 Break (Northwoods Expo) *Sponsored by BioApp, LLC*

11:00 - 12:00 Concurrent Sessions and Workshops

	Spruce Ballroom Workshop	Evergreen Ballroom Research and Monitoring in the Little Plover River Watershed Part II Moderator: Sue Schumacher	Stonefield Ballroom Wetlands in a Changing Climate Moderator: Travis Olson	Woodland Ballroom Workshop
11:00	Identity, Civic Imagination, and Wetland Communities Facilitator: Kyra Lyons **Pre-registration required**	Restoration and habitat work in the upland/wetland matrix of the Little Plover River watershed Demchik, Michael	Dibaginjigaadeg Anishinaabe Ezhitwaad: A tribal climate adaptation menu for indigenous-led adaptation planning Panek, Bazile	Identification of Wisconsin's Aquatic Plants (continued)
11:20		Connecting stream, wetland, and watershed restorations within the Central Sands Gumtow, Jon	Odanata survey of five protected wetlands in southcentral Columbia County, Wisconsin, 2020-2022 Steinhauer, Graham	
11:40		Q & A Discussion	Michigan dam disaster: Evaluating wetland extent on the bottomlands of a drained lake system Roos, Robb	

12:00 - 1:30 Lunch (provided - Northwoods Expo) *Sponsored by Wisconsin Public Service Foundation*

1:30 - 4:30 Workshop, Working Groups, & Field Trips

Evergreen Ballroom Working group	Stonefield Ballroom Working group	Woodland Ballroom Workshop
Practioners' Working Group Facilitator: Kaley DuCoeur	Wisconsin Partners in Amphibian and Reptile Conservation Facilitators: Joey Cannizzaro and Gary S. Casper	Introduction to Common Wisconsin Sedges Instructors: Steve Eggers and Patricia Trochlell **Pre-registration required**
Field Trip: Benefits and Challenges of Wetland Restoration in the Central Sands Region **Pre-registration required **Meet at the Conference Center Entrance at 12:50 pm depart by bus. 1:00 pm-4:30 pm Leaders: Jason Behrends, Josh Brown, Scott Fuchs, Jon Gumtow, and Tracy Hames	Field Trips **Pre-registration required **Meet at the Conference Center Entrance at 1:20 pm to depart by bus. Freckmann Herbarium at UWSP 1:30 pm-4:30 pm Leader: Robert Freckmann	Moses Creek: Resurrection of an Urban Stream and Riparian Community 1:30 pm-4:30 pm Leaders: Jennifer Gibson, James Havel, and Bree Richardson

Green Shading = Pre-registration required

PROGRAM HIGHLIGHTS: Roundtable Conversations

Wisconsin's Women and Wetlands

Wednesday, February 22

10:40 am–12:00 pm

Woodland Ballroom

Facilitators: Sally Gallagher, WDNR, and Nicole Staskowski, Stantec

Any conference attendee who currently identifies as a woman is welcome to join this discussion. This is a continuation of previous discussions about being a woman in the wetland sciences field. We will be providing some guided topics about the joys and struggles of being a woman in this profession. Topics may include advice from women who are more seasoned, mentoring themes for women new in the field, ways to foster diversity in our work environments, and discussions about striking a work/life balance (particularly through a global pandemic). The discussion will range from serious to more light-hearted. We hope for participants to include those who have been in the field for decades as well as those who are new to the field or are considering this field for their profession.

The Mary Linton Wetland Poetry Session

Wednesday, February 22

3:20–4:40 pm

Spruce Ballroom

Facilitators: Lisa Hartman, Alice Thompson, and Mike Mossman

Mary Linton (1954 – 2021)—former WWA Board Chair, wetland scientist, and poet—founded this annual session in 2014 to provide a poetic interlude in the midst of the conference's scientific presentations. Join us to honor her memory as Mike Mossman, Lisa Hartman, and Alice Thompson read poems by various authors of swamps and fens, turtles and frogs, rushes, and redwings.

Working with Tribes to Build Wetland Program Capacity and a Nationwide Framework for Advancement

Thursday, February 23

9:30–10:30 am

Spruce Ballroom

Facilitators: Andy Robertson, Saint Mary's University of Minnesota, and Marla Stelk, NAWM

The National Association of Wetland Managers (NAWM) and Saint Mary's University of Minnesota Geospatial Services are collaborating on an EPA-funded project to design and develop useful tools, resources, and training materials that can be used by tribal staff to build effective and culturally-relevant wetland programs; facilitate communication with tribal elders and outside partners about the importance of wetlands to tribal communities; and develop educational curricula for tribal youth. Materials to be developed will cover a range of topics such as monitoring and assessment, wetland science, technology, indigenous knowledge/TEK, TAS, funding, and grant writing. This Roundtable will provide a space for participants to share approaches and lessons learned when developing and implementing creative, effective, and culturally appropriate tools and techniques for engaging Tribal communities and youth in wetland protection and restoration and building sustainable wetland programs. Discussions will be designed and facilitated to stimulate respectful and open conversations, encourage questions, and create a peer-to-peer network for the future.



PROGRAM HIGHLIGHTS: Working Groups

Tribal Wetland Programs

Wednesday February 22

10:40 am–12:00 pm

Spruce Ballroom

Facilitator: Randy Poelma,
Ho-Chunk Nation and Wisconsin Tribal
Conservation Advisory Council

By invitation only.

*This session is made possible by the
Forest County Potawatomi Foundation.*

This session will provide tribal wetlands staff with the opportunity to more formally interact, share ideas and best practices, and identify opportunities for collaboration and growth. This working group contributes to efforts to foster long-term collaboration, dialogue, and exchange of information that supports and encourages strategic, effective efforts to restore and care for wetlands in Wisconsin.

WWA Wetland Policy Roundup

Wednesday February 22

1:30–2:50 pm

Spruce Ballroom

Facilitators: Erin O'Brien and Jennifer
Western Hauser, Wisconsin Wetlands
Association

Join WWA's policy staff for an update on recent achievements, ongoing efforts to integrate wetland priorities into state-sponsored programs, and an overview of WWA's projects and priorities for the 2023-2034 legislative session. This interactive session will include a discussion of actions you can take to help advance WWA's wetland conservation priorities and identification of other urgent or emerging issues that may be important to the wetland conservation community.

Practitioners' Working Group

Thursday February 23

1:30–4:30 pm

Evergreen Ballroom

Facilitator: Kaley DuCoeur, Ruekert &
Mielke

This session offers an opportunity for wetland practitioners—including consultants, federal, state, and local regulators, land managers, and others—to discuss current issues relevant to their daily work. The agenda will be set by the facilitator with the input of those who participated in similar sessions at previous WWA conferences.

Wisconsin Partners in Amphibian and Reptile Conservation

Thursday February 23

1:30–2:30 pm

Stonefield Ballroom

Facilitator: Joey Cannizzaro,
UW-Milwaukee, and Gary S. Casper,
UW-Milwaukee Field Station

Partners in Amphibian and Reptile Conservation (PARC) is an inclusive partnership dedicated to the conservation of the herpetofauna—reptiles and amphibians—and their habitats. Membership is free and includes individuals from state and federal agencies, conservation organizations, museums, pet trade industry, nature centers, zoos, energy industry, universities, herpetological organizations, research laboratories, forest industries, and environmental consultants. PARC is organized into regions and state chapters. This workshop will discuss formalizing a Wisconsin Chapter of the Midwest PARC region. State chapters support the mission of the regional chapters (mwparc.org), and members participate in both regional and state-level conservation initiatives. We encourage anyone interested in herpetile conservation to attend this workshop and share their ideas. We will review the PARC mission, current regional and state herpetile conservation issues, and how a state chapter can contribute.

PROGRAM HIGHLIGHTS: Workshops

Pre-registration was required for workshops and capacity is limited. If you did not sign up for a workshop when you registered for the conference, please see the conference registration desk to find out if any workshops have space to accommodate you. If you are signed up for a workshop but can no longer attend, please let the registration desk know, as several workshops have waiting lists.

The Art and Science of Wetland and Waterfowl Ecology and Management in the Anthropocene

Tuesday, February 21 | 1:00 – 5:00 pm

Location: Woodland Ballroom

Instructor: Leigh Fredrickson, Wetland Management and Educational Services, Inc.

Sponsored by Ducks Unlimited.

Wetland Natural Communities of Wisconsin

Wednesday, February 22 | 1:30 – 4:40 pm

Location: Woodland Ballroom

Instructors: Ryan O'Connor, WDNR, and Pat Trochlell, The Prairie Enthusiasts

Sponsored by Wickcraft Boardwalks.

Identification of Wisconsin's Aquatic Plants

Thursday, February 23 | 9:30 am – 12:00 pm

Location: Woodland Ballroom

Instructor: Paul Skawinski, UW-Stevens Point Extension Lakes

Sponsored by Hey & Associates, Inc.

Identity, Civic Imagination, and Wetland Communities

Thursday, February 23 | 11:00 am – 12:00 pm

Location: Spruce Ballroom

Instructor: Kara Lyons, Aldo Leopold Foundation

Sponsored by Wisconsin Flowgate & Drainage.

Introduction to Common Wisconsin Sedges

Thursday, February 23 | 1:30 – 4:30 pm

Location: Woodland Ballroom

Instructors: Pat Trochlell, The Prairie Enthusiasts, and Steve Eggers, USACE (retired)

Sponsored by American Transmission Company.

PROGRAM HIGHLIGHTS: Field Trips

Thursday, February 23

Pre-registration was required for field trips and capacity is limited. If you did not sign up for a field trip when you registered for the conference, please see the conference registration desk to find out if any field trips have space to accommodate you. If you are signed up for a field trip but can no longer attend, please let the registration desk know as some field trips have waiting lists.

Field trips will run in almost any weather (with the exception of hazardous conditions). Please dress warmly and wear sturdy boots. Transportation by school bus provided.

All field trips will depart from the Conference Center Entrance; please arrive 10 minutes early to get checked in.

Please note that one field trip leaves the conference center earlier than the others.

Benefits and Challenges of Wetland Restoration in the Central Sands Region

1:00 – 4:30 pm

Field trip leaders: Jason Behrends, Heartland Ecological Group, Inc.; Josh Brown, WDNR; Scott Fuchs, Heartland Ecological Group, Inc.; Jon Gumtow, Stantec; and Tracy Hames, WWA.

Sponsored by Emmons & Olivier Resources, Inc.

Freckmann Herbarium at UW-Stevens Point

1:30 – 4:30 pm

Field trip leader: Robert Freckmann, UW-Stevens Point

Sponsored by Wisconsin Coastal Management Program.

Moses Creek: Resurrection of an Urban Stream and Riparian Community

1:30 – 4:30 pm

Field Trip Leaders: Jennifer Gibson, WDNR; James Havel, Robert E. Lee & Associates, Inc.; and Bree Richardson, WDNR

Sponsored by Alliant Energy.

Thank you!

More than 100 experts and enthusiasts have contributed to the planning and content of this conference. We would like to thank all of the presenters and field trip, workshop, roundtable, and working group leaders for sharing their expertise with the regional wetland and water resource professional community. While it is not feasible to acknowledge every contributor individually, we offer special thanks below to individuals who have made especially important contributions to this event.

Moderators, Facilitators, and Instructors

Thank you to the following partners for moderating, instructing, or facilitating conference sessions:

- | | |
|--|--|
| Josh Brown WDNR | Randy Poelma
Ho-Chunk Nation |
| Joey Cannizzaro
UW-Milwaukee | Andy Robertson
Saint Mary's University
of Minnesota |
| Gary S. Casper
UW-Milwaukee Field Station | Susan Schumacher
WWA Board |
| Kaley DuCoeur
Ruekert & Mielke | Paul Skawinski
UW-Stevens Point
Extension Lakes |
| Steve Eggers USACE (<i>retired</i>) | Nicole Staskowski
Stantec |
| Aaron Feggestad
Heartland Ecological Group | Marla Stelk NAWM |
| Leigh Fredrickson
Wetland Management and
Educational Services, Inc. | Alice Thompson
Thompson & Associates
Wetland Services |
| Jason Granberg WDNR | Pat Trochlell
The Prairie Enthusiasts |
| Lisa Hartman | Jennifer Western Hauser
WWA |
| Sally Jarosz WDNR | Chris Young
Land Restoration School |
| Kara Lyons
Aldo Leopold Foundation | |
| Kyle Magyera WWA | |
| Mike Mossman | |
| Erin O'Brien WWA | |
| Ryan O'Connor WDNR | |
| Travis Olson UW-Extension | |

Field Trip Leaders

Thank you to the following individuals for their assistance planning, coordinating, and leading our conference field trips to sites in central Wisconsin:

- | | |
|---|--|
| Jason Behrends
Heartland Ecological Group | Jennifer Gibson WDNR |
| Josh Brown WDNR | Jon Gumtow Stantec |
| Robert Freckmann
UW-Stevens Point | Tracy Hames WWA |
| Scott Fuchs Heartland
Ecological Group | James Havel
Robert E. Lee & Associates |
| | Bree Richardson WDNR |

Student Presentation Competition

Thank you to Susan Schumacher, WWA Board Member, for organizing the student presentation competition judges, to everyone who judged the student oral and poster presentations, and to the students who participated.

Student Scholarship Program Sponsors

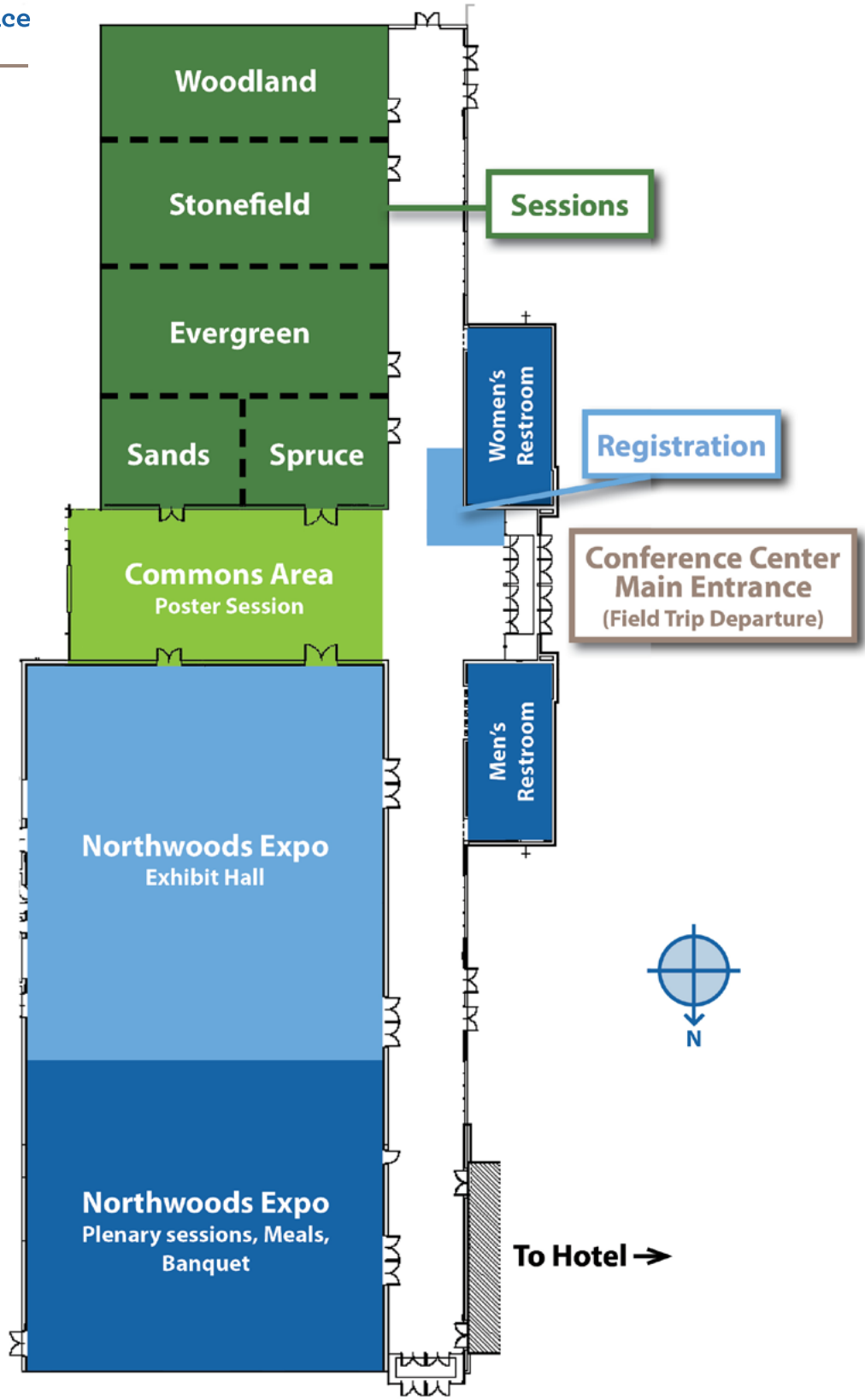
Generous contributions made by The Nature Conservancy and Heartland Ecological Group allow us to provide financial support to many students who are attending our conference. Students receiving conference scholarships are denoted with a * in the list of volunteers below.



Volunteers

We thank the following volunteers for assisting us with the many and varied aspects of conference logistics (* denotes student scholarship recipient):

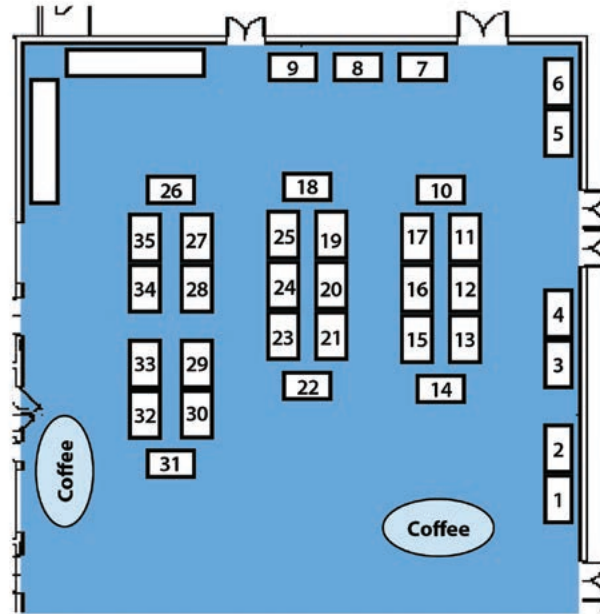
- | | |
|---------------------|------------------|
| Monika Blazs | Eli Nedden* |
| Kiara Caldwell* | Sydney Paoli* |
| Joseph Cannizzaro* | Alana Spang* |
| Ursula Charles* | Savannah Thomas* |
| Shannon Finnerty* | Kristina Tsakos* |
| Roxanne Gasperetti* | Isabela Tuthill* |
| Olivia Greymont* | Shayla Wagner* |
| Lee Hengescht | |
| Bella Kirkpatrick* | |



Exhibitors

Please visit these exhibitors in the Northwoods Expo and thank them for supporting this conference!

Baxter & Woodman	7
BioApp	32
Civil & Environmental Consultants, Inc.	3
Custom Bridges and Boardwalks	25
GAI Consultants, Inc.	1
GEI Consultants, Inc.	14
Golden Sands RC&D Council Inc.	24
Heartland Ecological Group	26
Helena Agri-Enterprises	23
Integrated Restorations, LLC	17
ISG	6
Madison Audubon	28
Merjent	31
Midwest Groundcovers	13
National Association of Wetland Managers	29
Natural Resources Foundation of Wisconsin	16
NES Ecological Services	22
North Central Conservancy Trust	12
Nutrien Solutions	33
Onset - HOB0 Data Logger	2
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RES	30
Society of Wetland Scientists - North Central Chapter	8
Stantec	18
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USDA-Natural Resources Conservation Service	19
UW-Stevens Point Extension Lakes	27
Wickcraft Boardwalks	4
Wisconsin Department of Natural Resources	10
Wisconsin Flowgate & Drainage	5
Wisconsin Initiative on Climate Change Impacts	15
Wisconsin Waterfowl Association	21
Wisconsin Wetlands Association	11



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