

WEDNESDAY, February 21, 9:00 am - 9:30 pm

9:00 - 10:10 Plenary Session (Grand Ballroom) Sponsored by We Energies

9:00 Welcome & Opening comments
9:20 Conference Keynote: Resiliency for Wetlands and Communities: Notes from the Field
Gillian Davies, Senior Ecological Scientist, BSC Group, Inc. and Past President, Society for Wetland Scientists

10:10 - 10:40 Break (Grand Ballroom and Foyer) Sponsored by Midwest Groundcovers

10:40 - 12:00 Concurrent Sessions

	Location: Loramoor C	SYMPOSIUM: Preparing Wisconsin's wetlands for a changing world <i>Moderator: Amy Staffen</i>	Location: Loramoor B	Wetland Wildlife <i>Moderator: Bill Mueller</i>	Location: Loramoor A	Long-term Restoration & Management <i>Moderator: Jacob Straub</i>
10:40	Vimont	Climate change and adaptation in Wisconsin	Casper	Recovering impaired fish and wildlife in the Milwaukee Estuary Area of Concern	Schultz	Influence of hydrologic restoration techniques on plant communities in the Glacial Habitat Restoration Area
11:00	Montgomery	Changing climate, changing hydrology	Badje	Status of Blanchard's cricket frog in Wisconsin	Staskowski	Restoration of boreal forest wetlands in Superior, Wisconsin: 10-years post construction monitoring
11:20	Murdock	Scratching below the surface: The uncertain future of groundwater recharge in a changing climate	Prestby	Colonization of a restored island chain by piping plover and other rare species in Lower Green Bay, Wisconsin	Lennie	Contaminated urban wetlands and streams: Five years of channel/wetland restoration at the Cobalt Project
11:40	Thompson	Lessons from the field: Changes in water resources	Salas	Pollinator opportunities within rights of way: Using geospatial and decision modeling to target conservation	Richardson *	25 years of change: Nitrogen and phosphorus removal in a freshwater coastal wetland in the past and present

12:00 - 1:30 Lunch (provided - Grand Ballroom) Sponsored by GEI Consultants, Inc.

1:00 - 1:50 Legislative/Policy Update (Grand Ballroom)

1:30 - 2:50 Concurrent Sessions

	Location: Loramoor C	SYMPOSIUM: Preparing Wisconsin's wetlands for a changing world <i>Moderator: Jason Fleener</i>	Location: Loramoor B	Watershed Approaches <i>Moderator: Kyle Magyera</i>	Location: Loramoor A	Wetlands & People <i>Moderator: Travis Olson</i>
1:30	O'Connor	Moving from general to site-level vulnerability of Wisconsin's wetland plant communities	Magyera	Understanding wetlands as solutions to flood risks	Hernandez *	Impacts of stormwater runoff and road salt intrusion on the soil quality of an urban wetland in Chicago
1:50	Panci	A vulnerability assessment of wetland plants: Combining scientific and traditional ecological knowledge	Crane	Lake County's Wetland Restoration and Preservation Plan, part 1: Approach	Robson	Community and conservation: Studying urban biodiversity in Milwaukee County, Wisconsin
2:10	David	If this is another 100-year storm, I must be 400 years old: The likely impacts of climate change on wild rice	Prusila	Lake County's Wetland Restoration and Preservation Plan, part 2: GIS & decision-support tool	Goggin	Wisconsin's Healthy Lakes Initiative: Working with lakefront property owners to apply BMPs
2:30	Johnson	Through drought and high water: Vegetation dynamics in Lake Superior coastal and inland wetlands	Miller	Wetlands by Design: Finding conservation opportunities for ecosystem services and watershed resilience	Thompson	Using poetry to express our human connection to wetlands

2:50 - 3:20 Break (Grand Ballroom and Foyer) Sponsored by Merjent

3:20 - 5:00 Concurrent Sessions

	Location: Loramoor C	SYMPOSIUM: Preparing Wisconsin's wetlands for a changing world <i>Moderator: Sarah Johnson</i>	Location: Loramoor B	Wetland Flora & Plant Communities <i>Moderator: Ron Londr é</i>	Special Sessions	
					Location: Loramoor A	Location: Galewood C
3:20	Desai	The short and long of wetland carbon emissions, uptake, and lateral transfer	Marti	Floristic quality assessment benchmarks for wetlands of Wisconsin's north central hardwood forests ecoregion	Career Development & Continuing Education in Wetland Science Moderated by Susan Schumacher	
3:40	Miller	Lessons from the field: Wetland restoration as a tool to maintain watershed health and ecosystem services under a changing climate	Koski	Samuel Myers Park: Incorporating coastal resilience into an urban wetland restoration		
4:00	Granberg	Wisconsin's changing climate and wetland invasive species	Kraszewski	Restoring native upland buffers: An integral component of wetland resiliency	Tribal Wetland Programs Working Group Moderated by Randy Poelma (by invitation only) Sponsored by Forest County Potawatomi Foundation	Wisconsin Wetland Inventory Redesign Listening Session Moderated by Chris Noll, Amanda Minks, and Calvin Lawrence
4:20	Geddes	Potential for an invasive hybrid involving southern cattail: A case study from Wisconsin	Knosalla *	Investigating seasonal variation in prescribed burn impacts to lowland brush ecosystems		
4:40	Zuckerberg	Understanding the vulnerability of wetland-dependent wildlife to climate change	Tillman *	Comparing the plant communities in wetland mitigation banks to those in natural wetlands		

5:00 - 6:30 Poster Session & Cash Bar (Grand Ballroom and Foyer) Sponsored by Stockbridge-Munsee Community

6:30 - 9:30 Banquet & Presentation (Ticketed event -Grand Ballroom and Foyer) Sponsored by WCOMP

7:30 Banquet Presentation: It's Kind of Fun to do the Impossible!
Ken Leinbach, Executive Director, Urban Ecology Center in Milwaukee

THURSDAY, February 22, 8:30 am - 4:30 pm

8:30 - 9:20 Plenary Session (Grand Ballroom) Sponsored by Cardno

8:30 **Welcome**

8:40 **Plenary Address: Climate Change and Waters of Wisconsin: An Update**
John Magnuson, Emeritus Professor and Emeritus Director, Center for Limnology, UW – Madison

9:30 - 10:30 Concurrent Sessions

	Location: Loramoor C	Location: Loramoor B	Location: Loramoor A
	SYMPOSIUM: Preparing Wisconsin's wetlands for a changing world <i>Moderator: Ryan O'Connor</i>	Invasive Species I <i>Moderator: Aaron Feggestad</i>	Hydrology & Geomorphology <i>Moderator: Dreux Watermolen</i>
9:30	Shannon Climate change risk management: Introduction to adaptation in planning and decision-making	Kiser* Large-scale evaluation of reed canarygrass suppression treatments across four floodplain sites in SE Minnesota	Gigliarano 2018 status of lidar elevation products in Wisconsin
9:50	Ontl Overview of adaption tools and approaches for wetland managers	DeLaundreau * Tree sapling responses to reed canarygrass treatments across four floodplain sites in SE Minnesota	Potter Modeling the frequency and extent of overbank flow of a wetland stream
10:10	Sullivan Lessons from the field: Pre-adapting restorations to ongoing climate change: assessing tools, lessons learned, and future challenges	Webster An adaptive management approach to treatment of Phragmites in northeast Wisconsin wetlands	Graham Spring systems in Wisconsin

10:30 - 11:00 Break (Grand Ballroom and Foyer) Sponsored by Applied Ecological Services

11:00 - 12:00 Concurrent Sessions

	Location: Loramoor C	Location: Loramoor B	Location: Loramoor A
	SYMPOSIUM: Preparing Wisconsin's wetlands for a changing world <i>Moderator: Amy Staffen</i>	Invasive Species II <i>Moderator: Kelly Kearns</i>	Identifying and Implementing In-Lieu Fee Mitigation Projects <i>Moderator: Nick Miller</i>
11:00	Ontl Is your adaptation approach working? The importance of monitoring	Ferrier Phragmites Adaptive Management Framework: Citizen science and decision support tool for the Great Lakes basin	Gallagher-Jarosz In-lieu fee mitigation in Wisconsin: Lessons learned and adaptations
11:20	Staffen Preparing Wisconsin's wetlands for a changing world: Pioneers in adaption share their stories	Murphy * Is native cattail on the decline? A case study in Volo Bog State Natural Area, IL	Berntal Using the Wetlands Explorer to find and evaluate wetland conservation sites for compensatory mitigation
11:40		Trochlell Monitoring the effectiveness of invasives control at Pheasant Branch Conservancy using timed meander surveys	White Partnering to successfully secure an in-lieu fee project

12:00 - 1:30 Lunch (provided - Grand Ballroom) Sponsored by J.F. Brennan Company

1:30 - 4:30 Working Groups, Workshops, and Field Trips

Working Group & Workshop		
<p>Practitioners Working Group</p> <p>Location: Loramoor C</p> <p>Moderator: Dan Salas</p> <p>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 with the input of those who participated in a similar working group at recent WWA conferences. Topics covered will likely include what's new with state wetland policies, including how they have or will change the review and approval of wetland development permits and associated compensatory mitigation requirements.</p>		<p>Aquatic Plant Identification Workshop</p> <p>Location: Loramoor A</p> <p>Instructor: Paul Skawinski</p> <p>Wisconsin is blessed with about 150 species of plants that live completely submerged or floating in our lakes, streams, and wetlands. Even a small sedge meadow pool may have a dozen aquatic species in it, ranging from carnivorous bladderworts to pondweeds to macro-algae like Chara. Paul will introduce the diversity of aquatic plants in Wisconsin and highlight the major groups that occur here. Specimens will be available during the workshop for participants to study.</p>
Field Trips		
Sign up for field trips at the registration desk.		
<p>Hackmatack National Wildlife Refuge</p> <p>*This field trip will depart by bus from the Grand Geneva Conference Center Entrance.</p> <p>Field Trip Leaders: Ed Collins, Vince Mosca, Steve Byers</p> <p>Thank you to Hey & Associates, Inc. for their generous sponsorship of this trip.</p>	<p>Mukwonago River Wetland Restoration: An In-Lieu Fee Mitigation</p> <p>*This trip will meet in Loramoor B before going out.</p> <p>Field Trip Leaders: Sally Jarosz, Meghan Wersel, Cheryl White, Peter Ziegler</p> <p>Thank you to Midwest Natural Resources for their generous sponsorship of this trip.</p>	<p>Wetlands in Winter: Scuppernong River Habitat Area</p> <p>*This field trip will depart from the Grand Geneva Main Entrance and will be self-driven.</p> <p>Field Trip Leaders: Pat Trochlell and Don Reed</p> <p>Thank you to TRC Environmental Corporation for their generous sponsorship of this trip.</p>

* denotes presenter is participating in the student presentation competition