



Agenda Second Quarter Meeting 2023  
Wednesday, April 12<sup>th</sup> & 13<sup>th</sup>, 2023, 9:00 A.M. to Noon  
Zoom Meeting  
Attendees required to constitute a quorum for 2023: 15

Wednesday, April 12th, 2023

Attendees: (total over both days = 33)

Alex Frie – MN Sea Grant  
Ariana Richardson – Meeker County AIS  
Bob Dunning - Stearns County Agricultural Inspector  
Breanna Wheeler - MN Master Naturalist, used to be executive director of Riverbend Nature Center, member of DNR's Natural Heritage Advisory Committee - Chair of TIS Funding Subcommittee  
Brittany Raveill – MDA [guest, attended just for engagement speaker]  
Chelsey Blanke – UMN  
Christina Basch - MnDOT, roadside vegetation unit  
Cori Mattke – Associate Director of MAISRC  
Jacob Grandia – Leech Lake Band of Ojibwe  
Jake Anderson – The Nature Conservancy  
Jennifer Burington – MDA  
John Downing - Director of MN Sea Grant  
Kate Wyman-Grothem – USFWS Midwest Region  
Kieran Smith – MN Sea Grant  
Krishna Woerheide – Grand Portage Band of Lake Superior Chippewa  
Laura Van Riper – MN DNR TIS  
Liz Anderson – Lake County SWCD, AIS program coordinator  
Maggie Barnick – MDA  
Maria Young – Invasive species specialist with Wild Rivers Conservancy  
Megan Weber – UMN Extension AIS  
Mike Rhoades – Terrestrial biologist, NPS St. Croix Scenic Riverway  
Monika Chandler – MDA Noxious and Invasive Weed Program  
Nate Quadhammer – Lake County SWCD, Terrestrial Invasives Coordinator  
Rob Venette – USFS, Director of MITPPC at UMN  
Sascha Lodge – MN DNR Forestry  
Shawn Mazanec – Metropolitan Mosquito Control District  
Tim Campbell - Aquatic Invasive Species Program Manager, WI Sea Grant [engagement speaker]  
Zach Burnside – Wildlife Forever

9:00 am      **Welcome and Introductions**

9:10 am      **Council Business**

- Approval of Meeting Minutes from 01/18/2023 & 01/19/2023
  - Approved (20 yes, 2 abstain)
- Treasurer's Report submitted by Wildlife Forever, fiscal agent for MISAC
  - Approved (15 approved, 7 abstained)
- 2023 Leadership – Ariana Richardson (Chair), Sascha Lodge Co-Chair, Chelsey Blanke (Past Chair)

9:20 am

## Updates & Discussion Topics

- Updates from committees (5 min)
  - DEI Committee – Ariana Richardson
    - Had planned a spring meeting, but did not occur. Many members have resigned, so soliciting new members – email Ariana to join. For UMISC 2024, will be drafting a letter in support of DEIJ sessions similar to those we had back in 2020. There will be a poll in late April to vote on that letter.
  - Website Committee – Ariana Richardson
    - No updates sent over to Dane since January meeting. Zach said 10-15 risk assessments were added to the Risk Assessment page.
  - Calendar Update- Sascha Lodge
    - Thank you to all authors (many are on this call). Text is under final review. Seeking a few additional photos: Amur cork tree, a potato field (for potato cyst nematode topic), New Zealand mud snails.
  - Field Trip Update- ~~Katie Sickmann~~ Maria Young
    - Will be a paddle hosted by Wild Rivers Conservancy in late August or early September at the Saint Croix National Scenic Riverway (Mike Rhoades will be involved in selecting site locations). Planning committee hasn't met yet. More updates in the next couple months.
- TIS Funding Subcommittee – Breanna Wheeler (10 mins)
  - Breanna is a member of DNR's Natural Heritage Advisory Committee which is working on effort to increase funding for TIS. Happy to be part of MISAC as well. Looking to learn if there are other groups working on these efforts, want to combine and learn from what others are doing. Participated in UMN Extension EmpowerU! Program – 12 people across the state (3 from subcommittee). The course is about engaging decision makers regarding invasive species. They're looking for people interested in engaging with their legislators as constituents, hoping to create interest in writing a bill. This has worked with AIS so we can build off of those efforts. If you have interest, contact Breanna. Currently work is centering on communications, networking, coordinated outreach, building relationships with legislators, etc.
  - We are looking for people to engage with their legislators across MN to build interest and concern about the spread of terrestrial invasive species. By increasing knowledge of what we have to lose if we don't act (like healthy ecosystems, biodiversity, natural heritage to pass to future generations), we hope to encourage legislation that provides a strong system of ongoing funding that makes TIS a statewide priority. We already have examples of how this can be done from AIS to build off and there's probably new ways we haven't thought of yet. Will you help by contacting your legislator about the need for TIS funding? Please contact me at [breannaw@gmail.com](mailto:breannaw@gmail.com) to connect with our network of action. Thank you!
  - What the TIS funding subcommittee hopes to do next:
    - Collect email addresses of people with interest to facilitate communications – coordinated outreach with citizens
    - Build groundwork for next session
    - Invite your local legislators to invasive removals happening in your area, build relationships, and build understanding and will for action.

**UMISC 2024- Jen Burlington**

- Planning has been going on, meet every other month. November 12-14, 2024 in Duluth. Will be hybrid event again. Registrations prices will increase a little bit (especially online only), to be more consistent with other conferences held around the country. Two MOUs – 1) partnership with IPAW and MIPN, 2) administrative with MIPN to coordinate conference (coordinator rate went up slightly, ~7% increase, but still a great deal).
- AV costs in Duluth are a lot less than in Green Bay, so will save money.
- Asking for \$4000 in seed money to be sent by October from MISAC. Both MIPN and IPAW are reviewing MOU currently as well. Otherwise, MOU is pretty much the same language as last time (took out COVID language).
- Administrative contract starts end of October 2023 and ends in Jan 2025. Language similar to last time (added language for indemnification).
- We will be looking for people to chair different topic committees for the conference – TIS, interdisciplinary topics, others. Would like to have people in place by October.
- Looking at possibly hiring a couple student workers to run AV in the rooms for computer and online virtual presenters, etc. A little less stress on volunteers.
- If you want presentations from UMISC 2022 conference, they were recorded just not publicly shared (because would cost too much to prep for public posting), so you can email Michelle directly.
  - Megan W: When looked at the data when they were made available in 2020, the viewership data was so low it didn't justify the cost of public posting for 2022.
- MOUs were shared in the Zoom chat. Both MOUs approved – partnership MOU: 19 approved, 3 abstained. Administrative MOU: 19 approved, 3 abstain [MOUs are attached]

10:00 am

### **Engagement Discussion**

#### **Language and Communications of Invasive Species Messaging**

Tim Campbell, Aquatic Invasive Species Program Manager, WI Sea Grant

- Improving AIS Communication and Language Use
- Opportunity exists to improve AIS management through the optimization of AIS communications
- Understanding audiences (Waterfront property owner project); Message testing (Metaphors & EPPM); Inclusive language (Sea Grant Network)
  - Homeowner perceptions of AIS – results from a survey of lakeshore property owners in WI
    - Addressing issue of homeowners advocating for management approaches that might not achieve their management goals or could produce unwanted impacts
    - Survey of 1200 waterfront property owners. (paper in review, have a technical report if you want to see all the data)
      - Many are familiar or extremely familiar with ways to prevent the spread, but most unfamiliar with ways to manage when present
      - Chemical herbicides, are they worth using even if harms native plants? Seems like people feeling more negative emotions (frustrated, sad, angry) are more willing to do treatments that harm ecosystem.
      - Consider messaging that reduces feelings of fear and anxiety about AIS.
  - Testing message frames on social media to engages boaters on AIS
    - Commissioned some art

## We commissioned some art



- Image set the stage for metaphor and text reinforce – militaristic, scientific, hitchhiking, protective/self-efficacy, nativist
- Used facebook message testing

Results	Outcomes for each message frame with Science as Reference Point		
	<u>Least Effective CPC</u>	<u>Same CPC</u>	<u>More Effective CPC</u>
	Hitchhiker Protective	Nativist Militaristic	
	<u>Less sharing</u>	<u>Same Sharing</u> Nativist Militaristic Protective	<u>More sharing</u> Hitchhiker
<u>Fewer comments</u>	<u>Same Comments</u> All performed same	<u>More comments</u>	

Nativist and militaristic frames never outcompeted science, and in most cases, hitchhiker or protective.

- Wish they had done some text analysis of comments because not all comments are equal
- We can achieve communication goals without the unintended consequences of some message frames.
- If we're going to give people threat information, also need to tell them what they can do.
- Inclusive language for invasive species management
  - Blog posts on "alien" language
  - Problems with place-based names – Tim: "I think Minnesota is probably doing the best in the country on trying to address place-based names."
    - Most AIS names are not place-based (>75% \*not\* geographic or cultural); and most of those do \*not\* have a graphically-specific scientific name (~26%). So the argument that it's how it's always been done isn't really valid.
    - Geographic locations aren't evenly distributed. Sometimes place-based names aren't all that accurate.
  - More inclusive language and naming conventions can lead to better outcomes

### **Opportunities to improve communication**

- Understanding our audiences
  - Testing messages & theoretical frameworks
  - Inclusive language & naming conventions
  
  - How can you incorporate some of this into your own work?
- <https://neobiota.pensoft.net/article/90631/download/pdf/737874>

10:30 am      **Break**

10:45 am      **Element Committee Discussions for State Plan Implementation Evaluation**

- Went into four breakout groups and discussed ratings for the state plan strategies and elements. Summaries will be drafted by the breakout group leaders.

NOON **Adjourn**

Thursday, April 13th, 2023

9:00 am      **Welcome and Introductions**

Alex Frie –  
Amy Shrank – Extension program leader for MN Sea Grant  
Ariana Richardson  
Bob Dunning  
Chelsey Blanke  
Christina Basch  
Jacob Grandia  
Jake Anderson  
Jen Burington  
Jen Larson - USFS  
John Downing  
Kate Wyman-Grothem  
Kelly Pennington – MN DNR  
Krishna Woerheide  
Laura Van Riper  
Liz Anderson  
Maggie Barnick  
Maria Young  
Mark Gaikowski - USGS Upper Midwest Environmental Science Center  
Megan Weber  
Mike Rhoades  
Monika Chandler  
Richie Erickson – USGS [engagement speaker]  
Ryan Burner – USGS [engagement speaker]  
Sascha Lodge  
Tyler Kaspar – Environmental biologist with 1854 Treaty Authority

9:10 am      **Engagement Discussion**

## Adapting Invasive Species Models for Climate Change

Richard Erickson, Research Quantitative Ecologist & Ryan Burner, Research Wildlife Biologist, Upper Midwest Environmental Science Center

You are viewing Ryan Burner's screen 2 View Options

### Research questions

- Do **climatch scores**, based on species' **non-US ranges**, predict **AIS invasion** success in the contiguous U.S. better than a **null model**?
- How do **lake temperature**-based climate layers perform relative to those based on **air temperature**?
  - (develop BioLake bioclimatic layers)

USGS

You are viewing Ryan Burner's screen 2 View Options

### Discussion

- Do **climatch scores** predict **AIS invasion** success?
  - Most U.S. locations have species scores >6
  - Species occur at sites with higher score than predicted by chance (null model)
    - But, not much higher (mean = +1.35)
    - Works best for some [sub]tropical species
  - Combine climate matching with other AIS risk assessment methods
    - Realized vs. fundamental niches; adaptation and plasticity
- How do **lake temperature**-based climate layers perform relative to those based on **air temperature**?
  - BioLake gave lower climatch scores when present
    - Often but *not always* above '6' threshold for risk
  - BioLake and BioClim equal predictive value (true vs. null)
  - Better (and higher resolution) global water temperature layers could help

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- Richie offered to host a training on some of this modeling. Ariana will follow up about scheduling something for a broader group.
- Erickson, Richard A <rerickson@usgs.gov>

10:00 am **Break**

10:15 am **MISAC Leadership and Coordination: Gaps Identified, Survey, and Follow up**

- Ariana will send out a survey asking MISAC members about their membership in local, regional, and national groups to find out if we have gaps in Minnesota representation. Please fill out the survey.
- Discussion that came out of Leadership Element Committee meeting yesterday about a potential lack of a list of local contacts for terrestrial folks. Goal: to improve coordination between groups for MISAC.
  - BWSR has a list of CWMAs/CISMAs, but these ebb and flow because of limited funding.
    - BWSR's CWMA grant program website: <https://bwsr.state.mn.us/cooperative-weed-management-area-program>
    - 2021 CWMA contact list: [https://bwsr.state.mn.us/sites/default/files/2021-05/CWMA%202021%20Contact%20List\\_onwebsite.pdf](https://bwsr.state.mn.us/sites/default/files/2021-05/CWMA%202021%20Contact%20List_onwebsite.pdf)
  - MDA has a list of municipal contacts for regulated pests.
  - County Agriculture Inspector List: <https://www.mda.state.mn.us/plants/pestmanagement/weedcontrol/caiist>
- Monika: Would it be helpful to put together a map ArcGIS online that feeds in info from these other lists – more of an aggregator of the info that is out there?
- Megan: That's a great idea Monika! It'd also probably be doable with a Google MyMaps, which could integrate really easily with the MISAC website.
- Ariana: Would be good to include non-governmental organizations too on a map.
- MISAC would be a good host for this type of information.

- How would people use this? What would be helpful for folks?
- Maybe we could include some questions on the regional/interstate collaborations survey as a starting point for gathering more info about this idea.
- Monika: Non-native phrag is a good example when this might be useful. Being able to better coordinate management has real value.
- Maria: Perhaps the map would include not only the groups doing terrestrial invasive species work but also what kind of projects they are involved in and where.

10:20 am

### Updates from members

- **Ariana Richardson**, Meeker Co: Planning summer sampling sites to update risk assessments for potential AIS infestations of starry stonewort and milfoil. Planning AIS/TIS ID and reporting workshop for local folks. Drafting new criteria for funding of AIS treatment projects – want to limit funding for non-long-term projects; not targeting waterbodies who haven't addressed water quality issues. Planning inspection season (~13 sites throughout the county).
- **Chelsey Blanke**, UMN: Invasive phragmites control work in the state. Working with Julia Bohnen coordinating statewide control. Gave presentation on this topic back in 2018/19 (Link to presentation: [z.umn.edu/PhragWebinar](https://umn.edu/PhragWebinar)). A couple years of treatments have been completed for most known populations. 1700 populations in the state, but most of them smaller than a tennis court. Working with a statewide contractor, working through the DNR, alongside county partners, other partner groups.
- **Amy Shrank**, MN Sea Grant: Three projects: 1) invasive hybrid cattail, understand effects on nearshore lake ecosystems; how mechanical removal affects water quality, fish, etc. Finished second field season. Collected pre/post removal data. 2) New project working on carp. Contrast lakes with/without carp to see how that impacts greenhouse gases. Getting started this summer. 3) Golden shiner. Really popular bait species, big shortage. It's illegal to import bait species to MN, but there's a lot of push to import. This project is working to grow bait in our state at a greater effort: growing minnows fully indoors aquaculture, growing indoors aquaponic, two different lengths of time indoors before release (super tiny, or a bit bigger) to shorten time to market size. Sea Grant also distributes info and resources to groups.
  - MN Sea Grant cattail project updates can be found here: <https://seagrant.umn.edu/programs/healthy-coastal-ecosystems-program/invasive-cattail-dominated-shorelines>
  - MN Sea Grant golden shiner project updates can be found here: <https://seagrant.umn.edu/programs/fisheries-and-aquaculture-program/producing-golden-shiner-bait>
- **Bob Dunning**, Association of County Agriculture Inspectors: Again MACAI submitted a proposal to the legislature to fund the unfunded Ag Inspector positions. Had a lot of steam, testified. MACAI thanks MISAC for the letter of support. When both ag committees had to cut based on funding levels, this was cut (again, ugh ☹️). Will try again in a couple years. Counties that collect seeds samples are wrapping things up. District 1 (NW corner), has their annual conference in July in Crookston. Local weed inspector training at Bob's county with 75 attendees.
- **Christina Basch**, MnDOT: It's construction season. Preparing for district herbicide/weed ID meetings in each district. Slowly ramping up.
- **Jake Anderson**, TNC: Seasonal staff has just come on. Most of us will be focused on prescribed fire for the next several weeks before the growing season kicks in, when we'll switch to invasive control and management.
- **Jacob Grandia**, Leech Lake Band of Ojibwe Plant Resources Department: Wild parsnip projects, DASH boat suction harvesting for starry stonewort work.
- **Jen Burington**, MDA: Biggest thing – looking for spongy moth trappers for NW Minnesota, hard to find people for a seasonal job in that part of the state [pdf attached]. Survey staff will start soon, in

Christmas tree farms, nurseries, CSAs, community gardens across the state. Spongey moth across eastern part of the state. Aerial treatments in Duluth for spongey moth – mating disruption treatment, not harmful chemical, won't affect any other species. Annual reports are posted online. Seed inspectors are working with county ag inspectors to get samples collected. Check EAB quarantine map because it changes constantly. USDA just quarantined Douglas county for spongey moth. <https://www.mda.state.mn.us/plants-insects/pest-surveys>

- **Krishna Woerheide**, Grand Portage: Ramping up for fieldwork. Spotted wing drosophila surveillance happening. Looking for EAB because it's close (Two Harbors and Canada – we're surrounded). European pine beetle. Passive surveillance tick project to see what species we have, especially leading edge of Asian longhorned tick (detrimental to certain wildlife species). Last summer, roadside surveys to map vegetation (buckthorn, honeysuckle, loosestrife, phrag); will repeat exercise again but not to same degree; focus on places we found populations last year.
- **Laura Van Riper**, MN DNR: Kelly Pennington is new invasive species program supervisor at DNR (Heidi Wolf is now section manager); she's been with DNR for a while so should be a smooth transition. Sent email with EDDMapS Summit info – next week. Laura will give a 20 min talk about how MN uses EDDMapS across taxa – other states mainly use it for terrestrial plants but MN uses it for everything. Hear what's new at EDDMapS, new tools, examples of how people are using the data. Jumping worm is on MISAC annual agenda, so here's the update: DNR proposed adding it as a prohibited invasive species; comment period ended in Dec.; under review by DNR leadership.
- **Liz Anderson**, Lake County Soil Water Conservation District: Boundary Waters Coalition, a group of stakeholders, county, USFS, Voyageurs NP, 1854 Treaty Authority, etc., that focuses on preventing spread of AIS into the Boundary Waters recently changed its name to ABC – AIS Boundary Waters Collaborative. They're going to do more communication as a group, with consistent messaging. Looking at trapping methods for rusty crayfish to protect wild rice.
- **Megan Weber**, AIS educator, UMN Extension: AIS Detectors core course registration is open. In-depth training for community members and professionals, to become part of volunteer network. Training dates: Minneapolis May 5, Wayzata May 12, Park Rapids June 2, Virtual May 16-17. Especially Minneapolis and Wayzata are free. If you have things you want to advertise or have things that could use volunteers, tell Megan – she would be happy to share with her volunteer network. Before the July MISAC meeting, if folks are interested in July 27 aquatic plant ID training held with DNR, it will fill up, see link below to get notified when registration opens.
  - Registration for AIS Detectors Core Course: [z.umn.edu/DetectorsRegistration](https://z.umn.edu/DetectorsRegistration)
  - Sign up for notifications about aquatic plant ID workshop: <https://z.umn.edu/AquaticPlantIDUpdates>
- **Mark Gaikowski**, USGS Upper Midwest Environmental Science Center: Invasive mussels, larger open water applications to control mussels. Underwater acoustic barrier at lock and dam 19, replacing speakers as needed. Spring tagging efforts, tagged 456 invasive carp and 138 native species, translocated fish. Sea lamprey pesticide work continues, testing new compounds. Working with Bipartisan Infrastructure Law resources to enhance EDRR surveillance efforts with eDNA systems, national surveillance network. BIL funding, part of group of centers working on developing eDNA techniques for detecting pollinators/native bees in terrestrial systems. That technology could be translated to other terrestrial insects.
- **Mike Rhoades**, Terrestrial Biologist St. Croix Scenic Riverway: Getting ready for prescribed burns in the next few weeks. One new site across street from Wild Mountain for prairie/oak savanna restoration on old field. Continuing with projects at Prairie Falls – Great Lakes management team is brushing buckthorn at that site. Aquatics program, continuing AIS stuff in the river, zebra mussels and carp. Finishing up temperature monitoring project with Rob Venette, looking at spread of EAB – does the river provide a buffer of warmer temperatures. We will be working on a large yellow iris control project this summer throughout the Riverway. In preparation for this I set up a controlled herbicide treatment experiment last year looking at the efficacy of several aquatic herbicides at different rates and different surfactant combinations. I hope to have those results soon.



- **Maria Young**, invasive species specialist Wild Rivers Conservancy: Purple loosestrife biocontrol volunteer project funded by LCCMR. Planning volunteer training events, digging loosestrife. Helping Mike with EAB temperature loggers. Here is the link for the Conservancy's Purple Loosestrife Biocontrol webpage, <https://wildriversconservancy.org/get-involved/biocontrolproject/>
- **Monika Chandler**, MDA: Especially in northern part of the state, be on the lookout for European Mountain Ash populations. Not a lot of info out there on it being an invasive tree. It looks similar to native mountain ashes – link to storymap for details on ID: <https://storymaps.arcgis.com/stories/Odb1626eca824ddeacd3cee6bba2cd67> Risk assessment for this species is in process and it would be helpful to know where there are infestations. If there's a big expanse of mountain ash, look at identifying characteristics to see if it's native or European (native rarely forms big monospecific stands). Thanks to Jeffrey Flory with 1854 Treaty Authority for bringing this issue to Monika's attention. Looking forward to following up on diseased buckthorn reports. Mountain ash identification
- **Sascha Lodge**, MNDNR: Working with Laura and a couple of our AIS colleagues at DNR (Tina Fitzgerald and Adam Doll) to update the invasive species interactive digital display at the state fair. Working with a contractor who designs museum exhibits to design a game focused on cleaning gear and preventing the spread of terrestrial and aquatic invasive species that will be played on the big screen inside the DNR building. The plan is for it to be all finished by this year's fair, so come check it out while you're at the Fair. Found four boxes of the [MDA's spotted knapweed/Meet the Knapweeds brochures](#), so please let me know if anyone wants me to mail them some.
- **Tyler Kaspar**, 1854 Treaty Authority: Big part of winter was grant writing and reporting. Gearing up for field season. Jeffrey Flory will be leaving – he did a lot of great work over the last 9 years; if you have job openings send them his way. Will eventually post that position. Hired one invasive species seasonal staff starting in May. Boat inspections, working with DNR to coordinate efforts. Surveillance for rusty crayfish and zebra mussels and Chinese mystery snail. Partnering with NRRF on rusty crayfish trapping projects. Participating in meetings with ABC to help with efforts. There is a karaoke goodbye party for Jeffrey on Friday April 21 in Duluth. If anyone is interested please let Maggie Barnick know and she can send you details!
- **Maggie Barnick**, MDA: MDA's Great Lakes Restoration Initiative grant is up and running: Monika and I finished an AGOL map with great interactive features. Link below. Began field work surveying for buckthorn/nonnative honeysuckle with CCMI for two weeks at the end of March with much help from 1854 Treaty Authority and Lake Co SWCD. Found only 8 new infestations in Sax Zim area and surveyed the Beaver Bay/Silver Bay area (found 10 new sites there). Also surveyed the leading edge north of Two Harbors and found only 4 new infestations. This survey work will affect our fall project work – we will do removal efforts at these sites and others this fall. I'm also planning for summer wild parsnip control work with folks from Lake, Cook, and the Superior National Forest. 3 CISMA/CWMA partners (Cook & Lake CWMAs, and Duluth CISMA) in the NE were successful in receiving USFS GLRI CWMA funds to continue their great efforts. <https://mnag.maps.arcgis.com/apps/View/index.html?appid=e83b5b8e66c442cdbe10492177f7222>

## ***Next meeting Room 10 Shoreview MnDOT, July 13.***

12:00 NOON **Adjourn**

### **Zoom meeting**

Online: <https://umn.zoom.us/j/95652785785?pwd=OE5sR3M4RWIKL1hSRkVTWm1hcHRyQT09>

By Phone: +1 651 372 8299 Meeting ID: 956 5278 5785 Passcode: pQ7hEx or 645683

## MISAC Goals for 2023

- Continue open communication about invasive species actions and issues facing member organizations with quarterly meetings (January, April, July, October)
- Continue to follow up with Earthworm Regulation
- Engage in field trip and UMISC planning
- Distribute Carol Mortensen Awards to recognize outstanding invasive species efforts
- Produce MISAC calendar for 2024
- Membership (annual) review (2023)
- Conduct an evaluation of the implementation of Minnesota's Invasive Species Management Plan
- Identify key issues as brought forth by members where we have ability to influence decision-making
- Invite speakers on key issues to improve understanding

## Excerpts from Bylaws

### Purpose and Objective

The purpose of the *Minnesota Invasive Species Advisory Council* is to provide communication, coordination, and integration among member organizations to implement elements of the Minnesota Statewide Invasive Species Management Plan by:

- Promoting communication and cooperation among organizations involved in invasive species issues.
- Coordinating outreach on invasive species (such as the MISAC calendar)
- Supporting state-wide and multi-state conferences related to invasive species issues.
- Supporting trainings and field visits related to invasive species
- Recognizing outstanding and noteworthy work related to invasive species and encouraging such work through the Carol Mortensen Award
- Maintaining the MISAC website to help the public locate invasive species resources
- Advocating for research and management for the species and pathways deemed greatest risk.
- Working on other projects that MISAC finds to be appropriate.
- These functions support, but do not supersede, the goals and responsibilities of member organizations.

### Co-Chairs and Minutes

The Council is led by a chair, co-chair, and past-chair. The Council will elect a new co-chair annually for a three-year term. The co-chair serves the first year as co-chair, then becomes chair in the second year of her/his term, and then serves the third year as the past-chair. Any Council member may be nominated to serve. The Chair is responsible for setting the agenda for each quarterly meeting, coordinating with the Minnesota DNR to produce the MISAC calendar, and representing the Council as an ex officio member of organizing committees for MISAC-endorsed events. The co-chair is responsible for arranging the time and location for quarterly meetings, taking minutes, distributing minutes, and correcting minutes as needed. Meeting minutes will be reviewed for additions or corrections and approved by the Council at the following meeting. The past-chair assists in continuity and transition of leadership.

### E-mail Address for Group Between Meetings

[minnesota-invasive-species-advisory-councils@googlegroups.com](mailto:minnesota-invasive-species-advisory-councils@googlegroups.com)

## **MISAC Committees**

### **Website**

- Ariana Richardson, Chair
- Kelsey Taylor, Doug Jensen

### **DEI**

- Ariana Richardson, Chair
- Kate Wyman-Grothem, Kate Hagsten, Katie Sickmann, Jennifer Burington, Andrew Dickhart, Kelsey Taylor

### **UMISC 2024**

- Program committees
  - Terrestrial:
  - Aquatic:
  - Either aquatic or terrestrial:
  - UMISC field trip:
- Media committee

### **Carol Mortensen Award**

- TBD in late 2023
- 2022 Committee Members: Laura Van Riper, Bob Dunning, Emily Dunlap, Sascha Lodge, Ariana Richardson

### **MISAC Bylaws Revision**

- TBD in late 2024, next revision due in 2025