#  **Meeting Minutes 7.16.2020**

July 16, 2020 • 9:00 am to 12:00 noon • Remote Only

## Present via Zoom

1. Angie Gupta
2. Angelique Dahlberg
3. Ariana Richardson
4. Byron Karns
5. Chelsey Blanke
6. Dane Huinker
7. Doug Jensen
8. Drew Dickhart
9. Jennifer Burington
10. Jim Calkins
11. Kate Hagsten
12. Katie Sickmann
13. Katherine Wyman-Grothem
14. Kelsey Taylor
15. Laura Van Riper
16. Mari Hardel
17. Marian Shaffer
18. Megan Weber
19. Michael Rhoades
20. Missy Anderson
21. Monika Chandler
22. Paul Erdmann
23. Rob Venette
24. Roger Becker
25. Sascha Lodge
26. Tyler Kasper
27. Val Cervenka

## Council Business

1. Review Agenda
	1. Approved
2. Approval of Meeting Minutes from 4/14/2020
	1. Minor text edits
	2. **Approved**. 1 abstain
3. Treasurer’s Report
	1. Three expenses: UMISC, website expenses
	2. Treasurer’s report **approved** as presented**.**
4. Leadership for Next Year
	1. Missy Anderson (Chair), Megan Weber (Past Chair), Jennifer Burington (Co-Chair)
5. Upcoming Meeting Dates:
* October meeting suggested
	+ Poll to choose date, no engagement presentation

## Updates and Discussion Topics

2021 MISAC Calendar

* Please put your orders in, it’s almost done.

Logo revision/Brand standards

* Register with state $50
* Brand Standard document review, added small format option, living document

Citizen Science Update

* WIGL website
* Google page just for the 2020 calendar year projects
* No FPFD workshops, try new ideas for citizen science, COVID appropriate and expand projects
* Crowd sourcing citizen science, Zooniverse, visual images
* Highly trained volunteers for researchers with more details
* Squill hunt
	+ Spring, non-native, is it a problem?, simple info on website - ID, video, report
	+ Learned about phenology
* Gender bending trees – rigorous
	+ Amur corktree is changing sex in MN
	+ Flower in spring, fruit in fall, only about 6 people
* Stop Oak Wilt
	+ Crow Wing and Cass county

Use of fear is not a good motivator, except in health

Emotional response is common in AIS, and jumping worms was emotional

More discussion – boater/angler survey

Emotions about invasive species as a future potential speaker topic

Website committee update

* Updates, photos
* Contract for website time, web usage statistics – to determine where to expand or reduce

State Plan Update

* Set up meeting, include tribes, timeframe Aug-Sept, Fall 2021 end goal

UMISC Updates & Planning

* Exec & topical committees – shaping up nicely
* Rescheduled for Nov 2-6
* 300 abstracts
	+ Look for speaker requests
* Online registration, sponsorship, schedule, posters – audio/video recording, exhibitors – non-profit 250, 300 profit, a la carte, private meeting discussions & advertisements
* Registration is picking up, volunteer with reduced pricing
* New session, diversity and inclusion – Sabrina Gram, Cassandra Richardson MIPN
* Try to include people this year but don’t need a quick field put together
* Don’t need to change budget
* Some people do presentations for their job and would be compensated
* Need approval from all parties
* Scientific focus of UMISC
* How to get the word out about the conference to more groups?
* Make steps for this conference, address in planning for the next conference
* Invasive species field benefits from diverse participation

Create a DEI committee – Ariana chair, Kate Wyman-Grothem, Kate Hagsten, Val Cervenka, Katie Sickmann, Jennifer Burington, Andrew Dickhart, Val Cervenka, Kelsey Taylor

Carol Mortensen – need nominations

* **Approved** amount to spend $500

Engagement Discussion

Aquatic Invasive Species (AIS) Through a Different Lens - Joe Shneider, Christmas Lake Association

Perspectives of a lakeshore owner, status of AIS in Minnesota, challenges, opportunities

1. DNR Program goals
	* Prevent introduction of new invasive into Minnesota
	* Prevent spread within Minnesota
	* Reduce impacts caused by invasive species
2. Starry stonewort – new species Lake Koronis in 2015, 19% non-compliance with AIS at 7 checkpoints in 2019, 8% of lakes on infested waters list, 54 water bodies infested with invasive species
3. Area calculation tells a different story, 10% of area of water were newly infested with zebra in 2019, larger lakes are used more to spread AIS, the 10 largest lakes are infested in Minnesota
	1. Charts both spreading and increasing
4. Impacts at lake level Eurasian water milfoil, starry stonewort, plant growth, animal diversity impacts – zooplankton, native clams, walleye crash; algae growth, recreation and navigation issue, safety issues, maintenance costs for boat, dock, irrigation systems
5. Options for control/eradication
	1. Management – eradication is very elusive, learn to adapt, pay for annual control, lack of grant funds
	2. Plants and algae have more options for management
		1. Herbicides and algaecides available
		2. Few biological control options available
			1. Success milfoil weevils “No longer nuisance”
	3. Animals most difficult
		1. Few options, local infestations caught early could be eradicated, copper products & potash for zebra mussels, research provides hope. Zebra mussels caught at very localized area, extensive treatments, rarity.
		2. Research provides hope, hopeful with Minnetonka research, if you have to have zebra mussel good idea to kill the most young as possible
6. Challenges for lakes
	1. Growth curves, zebra mussel most destructive, no quarantine Lake Koronis with starry stonewort now in 14 lakes, similar to COVID 19 quarantine and invasion curve; more invasive species are coming
	2. Inspection system is leaky, ramp inspections are high, boater convenience prioritized over protection, state AIS prevention aid has helped – increase in inspectors and annual programs
	3. Boaters have a very keen ability to avoid inspection point
	4. Costs for control are left to the lake associations and they can be substantial
		1. Lake Koronis $270,000 on one invasive species a year to keep the lake navigable, it’s a pretty ugly situation
7. Opportunities require political will
	1. State Border inspections
		1. States out west coordinate their inspections at borders
		2. Next invasive species probably coming on a trailer, it is a DNR goal
	2. Regional inspection station
		1. Increase coverage, lower ramp cost
		2. County level
		3. Stop spread is a DNR goal
	3. OBOLOS – One boat, one lake, one season
		1. Register a boat for a lake
		2. Stops lake to lake spread
		3. Eliminate the need for “at ramp” inspections
		4. Lake associations would like to see invasive species growth curve flatten

Comment: Weevils, early 2010s, three years of releases for milfoil weevils – release thousands, Sally Sheldon

## Updates from Members

Kelsey Taylor– Terrestrial focus, lack of people, COVID put a damper on hiring, Wild Parsnip 300 acres

Byron Karns – Retire end of Sept, field work Corps of Engineer partner Zebra Mussel monitoring projects, terrestrial restoration, remove invasive species, more done on landscape than previous years

Megan Weber – AIS management 101 courser for consumers, pesticide information, seems like a success & interest. Starry Trek going forward, U of MN approved, 25 sites hosted, share in networks

Val Cervenka - Cancelled the North Central Forest Pest Workshop in September and hope to have it in Grand Rapids in 2021. No virtual meeting this year.

Laura Van Riper – jumping worm videos, increase July/Aug reporting

Doug Jensen – 3 summer undergrad interns, Northeast Minnesota (NE MN) invasive species sign inventory, compile un-reported sightings of invasive species in NE MN, Fon du Lac Indigenous people view on invasive species management, regional AIS groups – action plan, reports. Projects – don’t pack a pest proposal – Aug 1 begin – students/educators, Great Lakes Biotics – NOA funding symposium in Great Lakes Panel.

Tyler Kasper – no seasonal hires, delayed, landing blitz – adjust due to COVID, garlic mustard Ely Duluth,

Rob Venette - Minnesota Invasive Terrestrial Plants and Pests Center 1) Still no appropriations by Minnesota Legislature from the Environment and Natural Resources Trust Fund. We remain hopeful that appropriations will be made in the 2nd special session. 2) Received 19 research pre-proposals (requesting ~$4 million) this spring for $1 million in available funding. Peer reviews just finished. Notifications for full proposals to go out next week. Looks like we will be inviting 6 projects to submit full proposals.

Angelique Dahlberg - We are currently doing 1-year post-monitoring on the site on Minnetonka that we treated with EarthTec QZ. You can find an update online: <https://www.maisrc.umn.edu/sites/maisrc.umn.edu/files/zebra_mussels_low_dose_copper_website_copy.pdf> We are currently planning for a 2021 field season that would hopefully involve treating a second site to refine what we have learned from 2019 and add to what we understand about target and non-target impacts.

Angie Gupta – Citizen Science projects

Ariana Richardson – expand inspection program – rural, small population, boaters come in from infested neighboring counties, more refusals for inspections, carp removal methods

Jim Calkins – engagement from Minnesota Landscape Association (MNLA), new invasive species advisory group (20 members), provide guidance to staff and MNLA board of directors on noxious weeds and invasive species issues

Drew Dickhart – interesting year, boat inspection program on time, 7 lakes May-Oct, decontamination unit, 15-17,000 watercraft inspections, more boaters, will it be higher?, goldfish management, Chaska chain of lakes, WSB population assessments, experimental removal techniques, seek funding 3 year project BSWR, carp management in Cologne since 2017, electronic guidance systems, similar to Rice Creek, Anoka County metro wide phragmites grant, identify 12 sites with phragmites control. Question from group - increase in refusals? Not that he is aware of <https://youtu.be/qYbVY90DRgM>

Kate Hagsten – working to get boat inspection program running, new zebra mussel in Ball Club Lake, no seasonal terrestrial crew, educational language, Ojibwe language, school curriculum.

Kate Wyman-Grothem – limited field work/telework, risk assessment program, what is coming into the US

Katie Sickmann – monitoring yellow iris, 88 miles Upper St. Croix and Snake rivers, zebra mussel monitoring, AIS in person event, July 30 project RED river alliance WI, Osceola. Identify common invasive species, EddMapS hands on kayak float for ID/reporting practice. Chisago county phragmites management <https://www.stcroixriverassociation.org/event/project-red-training-2020/>

Mari Hardel – Conservation Corps Minnesota and Iowa - oriental bittersweet, black swallow-wort, Grecian foxglove, teasel, dalmatian toadflax, poison hemlock in Traverse County, meadow knapweed in Koochiching County. We also held spring workshops and produced story maps: <https://storymaps.arcgis.com/collections/7494ed9ccd3c4b958abb756cba4eaee5>

Paul Erdmann – Board of Water and Soil Resources buffer program factsheets, build better buffers, implement practices to make them better, maintenance to manage invasive plants. What’s working website – how to manage certain species, grant and cost share programs

Roger Becker – Fillmore County barberry top growth kill, big year for garlic mustard, foxglove popping up around St. Paul, looking forward to UMISC

Michael – COVID issues, garlic mustard, experimental spraying for garlic mustard to effect seed germination, north of Stillwater

Marion – just started, fisheries biology AIS work in Lake Michigan

Jennifer Burington – lily leaf beetle reports, invasive species surveys are all active, everyone working remotely

Missy Anderson – invasive species coordinator previous, hiring freeze released, position is now open