# Read me

This PowerPoint presentation is designed to provide lake association members and community stakeholders with a brief yet impactful overview of the Minnesota Aquatic Invasive Species Research Center (MAISRC)—who we are, what we do, and why it matters.

This is a ready-to-use script for lake association representatives or outreach partners to deliver at meetings or events.

Last Updated: 27 May 2025 For questions or updates, contact Maddie Hayden, MAISRC Outreach Specialist (<u>mhayden@umn.edu</u>)



#### Updated May 2025

# MAISRC MINUTE

FROM INNOVATIVE AIS RESEARCH TO MANAGEMENT STRATEGIES

MINNESOTA AQUATIC INVASIVE SPECIES RESEARCH CENTER

Est. 2012

Interdisciplinary collegiate research center at the University of Minnesota





DEVELOPS RESEARCH-BASED SOLUTIONS FOCUSED ON REDUCING THE IMPACTS OF AIS IN MINNESOTA BY:

- Preventing spread
- Controlling populations
- Managing ecosystems, and
- Advancing AIS knowledge to inspire action by others.

# SUPPORTED OVER 100 PROJECTS

- Plants
- Pathogens
- Fish
- Invertebrates
- Social Science

### **31 RESEARCH FELLOWS**

### **20 GRADUATE STUDENTS**



MAISRC is a national leader in research, training, and community-focused outreach on AIS.



## MAISRC Advisory Board

Members of the Advisory Board are representatives of a cross section of MAISRC's stakeholders and provide strategic insight and guidance for MAISRC's initiatives.

# **MAISRC TECHNICAL COMMITTEE**

The MAISRC Technical Committee, which is made up of research scientists and natural resource managers, advises MAISRC on scientific and technical activities, including MAISRC's species and research needs prioritizations.





## **MEET THE STAFF**



#### DR. NICK PHELPS DIRECTOR

**CORI MATTKE** Associate Director



**ETHAN O'BRIEN** COMMUNICATIONS MANAGER



# MAISRC Communication TEAM



MADDIE HAYDEN Outreach Specialist



#### SARAH UNRUH

Lab to Lakes Project Manager JAY MAHER Lab Manager

#### John Gerritsen Lab Assistant







UNIVERSITY OF MINNESOTA EXTENSION STAFF



#### MEGAN WEBER

#### MICHELLE ISAACSON

# HISTORY OF MAISRC

### MAY 2014

**First projects launched** 



MAISRC was established.

Funding provided by:

- Minnesota Environment and Natural Resources Trust Fund
- Clean Water Fund
- University of Minnesota



HISTORY OF MAISR

**\$** FEB 2017

Common Carp Research Successfully Controls Populations in Multiple Locations

Ост 2016

First Research Needs **SEP 2015** Assessment Renovated MAR 2016 **Containment Lab** Opened **Determined Optimal Treatment Strategies** AUG 2016 for Curlyleaf Pondweed

> Developed Rapid Response Toolkit for Localized Zebra Mussel Infestations



# Apr 2017

AIS Detectors Program Launched



Sep 2017

MAISRC Research Guides Statewide Management of Invasive *Phragmites* 

More information can be found at: z.umn.edu/phragstorymap



MAY 2018

Ост 2018



Installed the First Acoustic Deterrent System for Invasive Carps at Lock and Dam #8 on Mississippi River.

AIS Explorer Launched

Rapid Response Project Launched: Viability of Golden Clams in a Minnesota lake

# **FEB 2022**

Sequenced the Zebra Mussel Genome

Research advances in zebra mussels also include:

- Risk of transportation in residual water
- Impact to native fish growth and recruitment
- Lake wide treatments

**MAR 2022** 

**SEP 2023** 

Rapid response project launched: Starry stonewort in wild rice beds

Demonstrated that mechanical removal of invasive cattails can benefit lakes



JAN 2025 Launched new strategic plan



# FUNDED BY:









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More information: maisrc.umn.edu

