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>)



MAISRC MINUTE

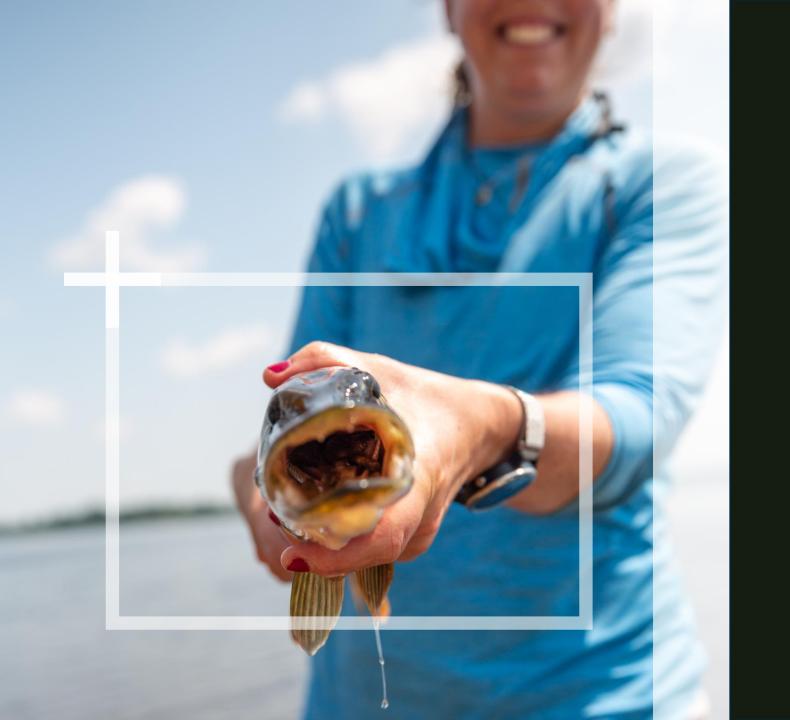
FROM INNOVATIVE AIS RESEARCH TO MANAGEMENT STRATEGIES

MINNESOTA AQUATIC INVASIVE SPECIES RESEARCH CENTER

Est. 2012

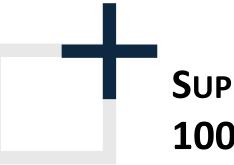
Interdisciplinary collegiate research center at the University of Minnesota





DEVELOPS RESEARCHBASED 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





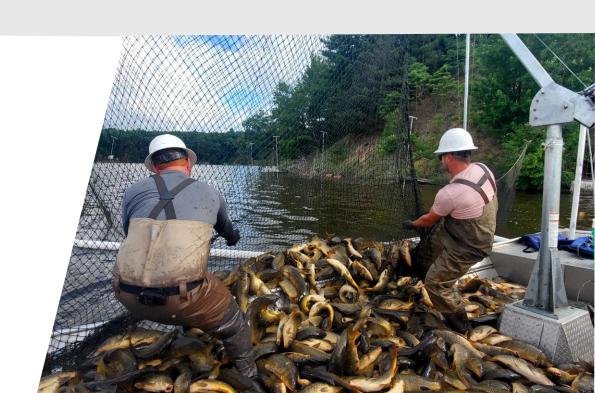


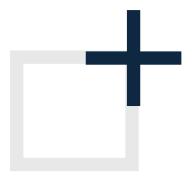
MAISRC TECHNICAL COMMITTEE

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.

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.





MEET THE STAFF



DR. NICK PHELPSDIRECTOR

CORI MATTKEASSOCIATE DIRECTOR





MAISRC COMMUNICATION TEAM

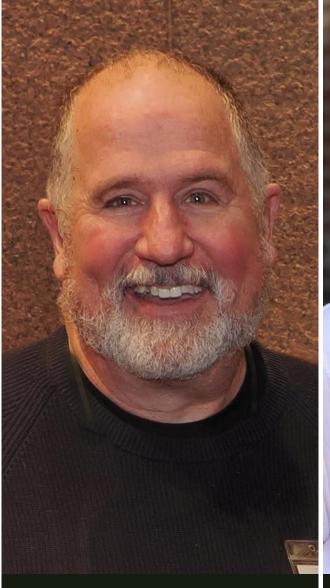




MADDIE HAYDEN
OUTREACH SPECIALIST









ALEX BAJCZ

QUANTITATIVE ECOLOGIST

SARAH UNRUH

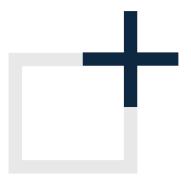
LAB TO LAKES

PROJECT MANAGER

JAY MAHER
LAB MANAGER

JOHN GERRITSEN

LAB ASSISTANT



UNIVERSITY OF
MINNESOTA
EXTENSION STAFF





MICHELLE ISAACSON





JUL 2012

MAISRC was established.

Funding provided by:

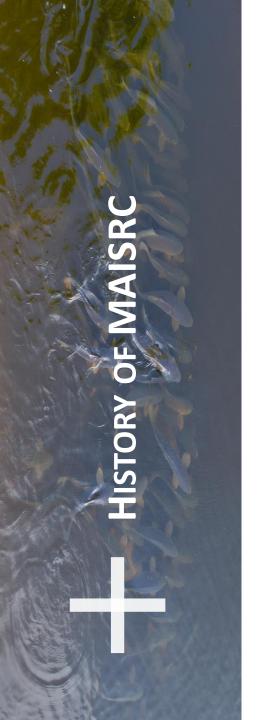
- Minnesota Environment and Natural Resources Trust Fund
- Clean Water Fund
- University of Minnesota

Nov 2014

Aug 2015

First Annual Showcase

Convened international experts to prioritize starry stonewort research



SEP 2015



First Research Needs Assessment

MAR 2016

Renovated Containment Lab Opened

FEB 2017

Aug 2016

Determined Optimal Treatment Strategies for Curlyleaf Pondweed

Common Carp
Research
Successfully
Controls
Populations in
Multiple Locations

OCT 2016

Developed Rapid Response Toolkit for Localized Zebra Mussel Infestations



APR 2017



AIS Detectors Program Launched



SEP 2017



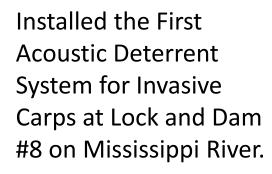
More information can be found at: z.umn.edu/phragstorymap



MAY 2018

OCT 2018

OCT 2020



AIS Explorer Launched

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



FEB 2022

Sequenced the Zebra Mussel Genome

MAR 2022

Research advances in zebra mussels also include:

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

Rapid response project launched: Starry stonewort in wild rice beds

Demonstrated that mechanical removal of invasive cattails can benefit lakes

SEP 2023



JAN 2025

Launched new strategic plan



