

Lake Monitoring & Protection Network  
June 20, 2025, Quarter 2 Regional Report



# Lake Monitoring and Protection Network

## Cooperative Agreement, 2<sup>nd</sup> Quarter Report



Written and compiled by:

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Citizen Science Center

June 2025



# CONNECTING PEOPLE WITH NATURE

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# Lake Monitoring & Protection Network

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### Newsletter

<b>4/1</b>	Sent out AIS Newsletter to 100+ Subscribers
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### Citizen Lake Monitoring Network

<b>4/1</b>	Met with CLMN Volunteer - Provided Season Supplies
<b>4/8</b>	Met with CLMN Volunteer - Provided Season Supplies
<b>4/18</b>	New CLMN Volunteer - Zebra Mussel Plate Sampling
<b>4/22</b>	CLMN Volunteer Training – 4 New Volunteers (AIS Monitoring & Water Clarity)
<b>4/22</b>	Met with CLMN Volunteer – Check in and Equipment Replacement
<b>5/15</b>	Met with CLMN Volunteer - Provided Season Supplies
<b>5/15</b>	Updated Lab Slips – Nitrogen Testing & Supply Grab
<b>5/15</b>	Met with CLMN Volunteer - Provided Season Supplies
<b>5/26</b>	Met with CLMN Volunteer – Provided Season Supplies
<b>6/3</b>	New CLMN Volunteer – Provided Season Supplies

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<b>6/6</b>	3 New CLMN Volunteer – Eau Galle – AIS, Water Clarity, and Zebra Mussel Plate Sampling
<b>6/13</b>	3 New CLMN Volunteers – Clear, McCann, and Island Lakes
<b>Throughout Quarter</b>	Communicated with CLMN volunteers on monitoring, equipment, sites, updates, etc.

## Clean Boats, Clean Waters

<b>5/22</b>	CBCW Volunteer Training Offered
<b>5/22</b>	CBCW Training – 3 WCI (LWIPA, CR&G, LARPD)
<b>6/8</b>	Drain Campaign Watercraft Inspection – Lake Menomin
<b>6/8</b>	Drain Campaign Watercraft Inspection – Lake Tainter
<b>6/20</b>	Boater Behavior Study – Otter Lake
<b>6/25</b>	CBCW Training – 3 WCI (Lower Long Lake)
<b>Throughout Quarter</b>	Started hiring and recruitment process for watercraft inspectors. Communicated and assisted Lake Groups that received CBCW grants.

## Lake Groups

<b>4/18</b>	Tainter Lake District – Meeting regarding CLMN, Programs, Events, Surface Water Grants, CBCW
<b>5/15</b>	Met with Lake Eau Galle on CLMN and CBCW Programs
<b>5/22</b>	Met with Chain Lakes Group about CLMN and CBCW
<b>5/28</b>	Met with Lower Long Lake about CLMN, CBCW and Surface Water Grants
<b>6/17</b>	Met with Amacoy Group to discuss getting new CLMN Monitor
<b>6/19</b>	Lake Hallie Group Presentation on AIS, CBCW, Surface Water Grants, Decontamination, etc.

## Outreach and Education

<b>4/9</b>	Program: SWIMS Training
<b>4/27</b>	Presentation to Wisconsin Garden Federation – CSC Programs
<b>5/28</b>	Lake Detectives Program – 1 Volunteer
<b>5/29</b>	Interview with WQOW about Summer Programs
<b>6/6</b>	Zebra Mussel Training – Eau Galle - 23 Volunteers
<b>6/10</b>	WDNR Presentation on LMPN & PLB
<b>6/19</b>	Lake Detectives Program – 1 Volunteer

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*Figure 1: Eau Galle Zebra Mussel Training with Lake Residents and 4H Group*

## Purple Loosestrife Biological Control

4/15	Purple Loosestrife Plant Dig – Ryder Road Site
5/26	PLB Site Check & Beetle Transport – OJ Falge Park





*Figure 2: PLB Mass Rearing Cage*

## Project RED & Snapshot Day

<b>6/14</b>	Project RED – Flambeau River – No Registrants
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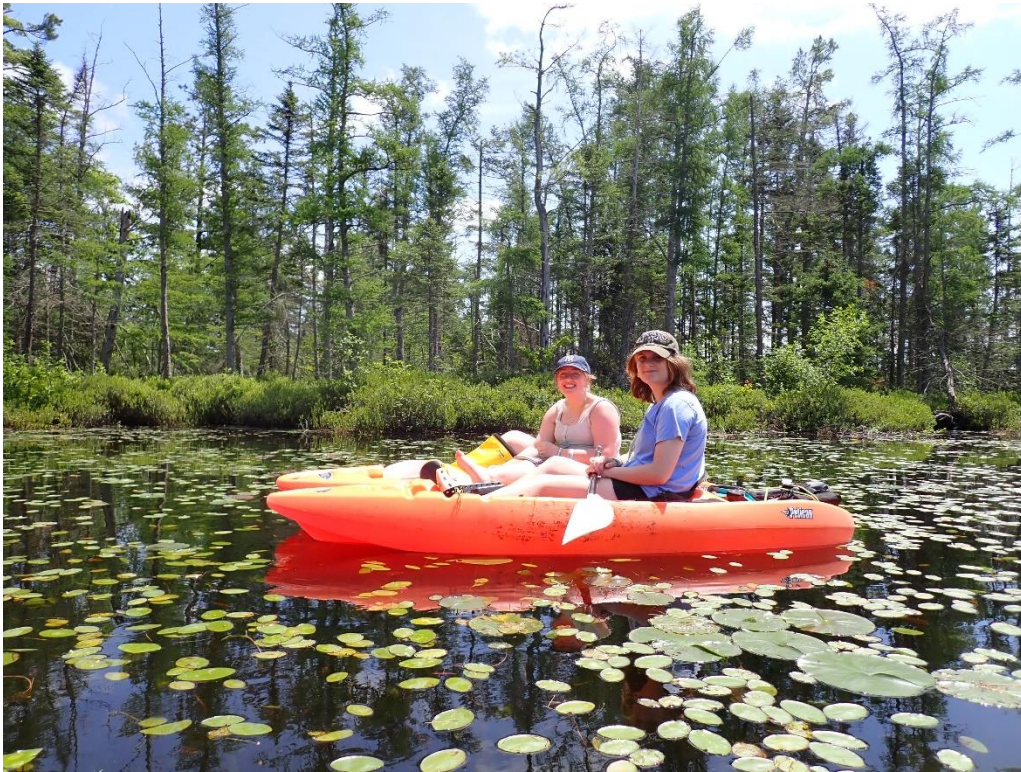
## AIS Monitoring

<b>4/10</b>	Non-Native Phragmites Verified on Eau Claire County Farmland
<b>5/27</b>	Early Detection Monitoring – Dells Pond
<b>5/28</b>	Early Detection Monitoring – Coon Fork Flowage - 1 Volunteer

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5/28	Incident Report – Coon Fork Flowage – Curly Leaf Pondweed
6/12	Early Detection Monitoring – Otter Creek
6/12	Incident Report – Otter Creek
6/16	Early Detection Monitoring – Elder Creek
6/17	Early Detection Monitoring – Bass Lake – 2 Volunteers
6/18	Boat Launch Survey – Fall Creek Pond
6/19	Early Detection Monitoring – Silver Birch Lake – 1 Volunteer
6/19	Incident Report – Silver Birch Lake – EWM
6/19	Incident Report – Silver Birch Lake – CMS
6/23	Early Detection Monitoring – French Creek
6/23	Incident Report – French Creek – Rusty Crayfish



**Figure 3: Bass Lake AIS Survey – 2 Volunteers**



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## Signage Checks

5/26	Holcombe Flowage
5/26	Ladysmith Flowage
5/28	Coon Fork Flowage
6/8	Tainter Lake
6/12	Pike Lake
6/17	Bass Lake
6/18	Fall Creek Pond
6/19	Silver Birch Lake

## Bait Shops & Pet Stores

6/2	Bait Shop Initiative – Cenex, Jim Falls
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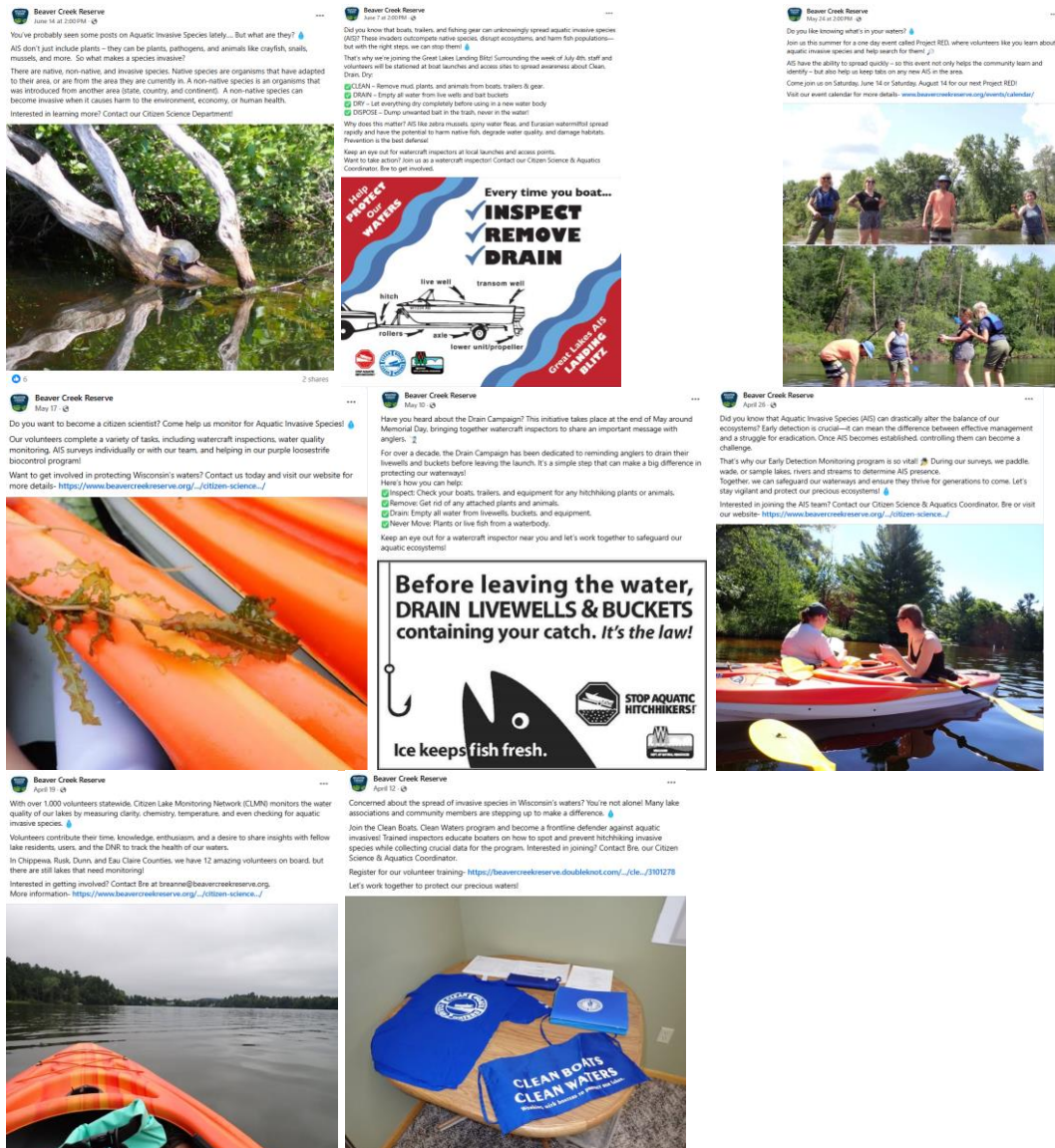
## Travel and Meetings

4/1	Monthly Lakes & Rivers Meeting
4/8	SWIMS Tips and Tricks Webinar
4/10	Non-Native Phragmites Site Visit – Eau Claire County Farmland
4/11	Dropped Possible AIS Specimen to DNR EC
4/15	Met with Volunteer about Summer Programs
5/15	Snapshot Day Site Leader Training - Recording
5/19	LMPN Training to BCR Staff
5/19	Lakes Monitoring Team Meeting
5/26	Met with CLMN Volunteer – Provided Season Supplies
5/27	EDM and Project RED Scouting
5/29	Interview with WQOW about Summer Programs
6/3	Lakes and Rivers Partnership Zoom: AIS & IAPM Edition
6/18	Boater Behavior Study Training Recording

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## Social Media Posts



## GLOSSARY

**AIS** – Aquatic invasive species



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**ALPOA** – Amacoy Lake Property Owners Association

**BCR** – Beaver Creek Reserve

**CBCW** – Clean Boats, Clean Waters

**CLMN** – Citizen Lake Monitoring Network

**CSC** – Citizen Science Center (Beaver Creek Reserve)

**LCC** – Land Conservation Committee (Eau Claire County)

**LCFM** – Land Conservation and Forest Management (Chippewa County)

**LLLPRD** – Lower Long Lake Protection and Restoration District

**LMPN** – Lake Monitoring and Protection Network

**LWIPA** – Lake Wissota Improvement and Protection Association

**Secchi disk** – instrument used to measure water clarity

**Station** – Specified location on a waterbody with historical and/or continuous associated fieldwork

**SWIMS** – Surface Water Integrated Monitoring System

**WBIC** – Waterbody identification code

**WCI** – Watercraft inspector

**WDNR** – Wisconsin Department of Natural Resources



## Research & Articles

### Are Environmental DNA Methods Ready for Aquatic Invasive Species Management?

[Full Article Link](#)

#### Abstract

Multiple studies have demonstrated environmental (e)DNA detections of rare and invasive species. However, invasive species managers struggle with using eDNA results because detections might not indicate species presence. We evaluated whether eDNA methods have matured to a point where they can be widely applied to aquatic invasive species management. We have found that eDNA methods meet legal standards for being admissible as evidence in most courts, suggesting eDNA method reliability is not the problem. Rather, we suggest the interface between results and management needs attention since there are few tools for integrating uncertainty into decision-making. Solutions include decision-support trees based on molecular best practices that integrate the temporal and spatial trends in eDNA positives relative to human risk tolerance.

### Online auction marketplaces as a global pathway for aquatic invasive species

[Full Article Link](#)

#### Abstract

The ornamental aquarium pet trade is a leading pathway for the introduction of aquatic invasive species. In addition to purchasing live organisms in stores, hobbyists are engaging more with alternative informal online marketplaces that enable peer-to-peer selling of aquarium organisms via auctions. Although growing in popularity, little is known regarding the global extent of informal marketplaces, including the taxonomy of species that are traded, their economic value, and the geographic routes by which live organisms are transported. In this study we use an automated web crawler to collect data on completed auctions between 2011 and 2017 from the largest informal market for aquarium hobbyists, AquaBid, to understand the market dynamics and trade flows of the informal retail market online. During the 7-year study period, the AquaBid website facilitated the estimated trade of 539,548 live freshwater animals, 579,700 fish eggs, and 31,431 plant assortments/bunches among 24,409 unique users who collectively placed 444,132 bids on 192,227 auctions, representing a total sale value of \$6,015,030 USD. Source (seller) and recipient (buyer) locations of live organisms were distributed across 39 countries but concentrated largely in major cities of the United States and select European and southeast Asian countries. Our study is among the first to quantify geographic routes of live organism transport between specific locations on the landscape and demonstrates the highly diffuse and non-centralized nature of the informal aquarium trade. Evaluating the emerging challenges



represented by informal online retail marketplaces is critical to create policy and regulatory solutions that minimize the transport of prohibited invasive species.

## **Nine Lessons about Aquatic Invasive Species from the North Temperate Lakes Long-Term Ecological Research (NTL-LTER) Program**

[Full Article Link](#)

### **Abstract**

Freshwater ecosystems can serve as model systems that reveal insights into biological invasions. In this article, we summarize nine lessons about aquatic invasive species from the North Temperate Lakes Long-Term Ecological Research program and affiliated projects. The lessons about aquatic invasive species are as follows: Invasive species are more widespread than has been documented; they are usually at low abundance; they can irrupt from low-density populations in response to environmental triggers; they can occasionally have enormous and far-reaching impacts; they can affect microbial communities; reservoirs act as invasive species hotspots; ecosystem vulnerability to invasion can be estimated; invasive species removal can produce long-term benefits; and the impacts of invasive species control may be greater than the impacts of the invasive species. This synthesis highlights how long-term research on a freshwater landscape can advance our understanding of invasions.