

Clean Boats, Clean Waters

Watercraft Inspection Program

Polk County Land and Water Resources Department

2020



Agenda at a glance

Online housekeeping

Aquatic invasive species 101

Clean Boats, Clean Waters
overview

2020 Covid-19 updates

Invasive species of concern



coltonsoresen (Host)





coltonsoresen (Host)

Participants (2)

Search

- Katelin Anderson Me
- coltonsoresen Host

Chat

To: --- Please Select ---

Enter chat message here

This panel contains the interface for managing the meeting. It includes a 'Participants (2)' list with search and control icons for each participant. Below it is a 'Chat' window with a dropdown menu for selecting recipients and a text input field for messages. Colored arrows indicate the flow of interaction: a blue arrow from the video window to the participants list, an orange arrow from the host's name to the chat dropdown, a red arrow from the chat dropdown to the chat input, and a yellow arrow from the chat input back to the video window.

Participation

Online trainings can replace
in person trainings

Email Katelin if you didn't
officially RSVP

Hours count towards Polk
County AIS grant match

katelin.anderson@co.polk.wi.us



Aquatic Invasive Species 101

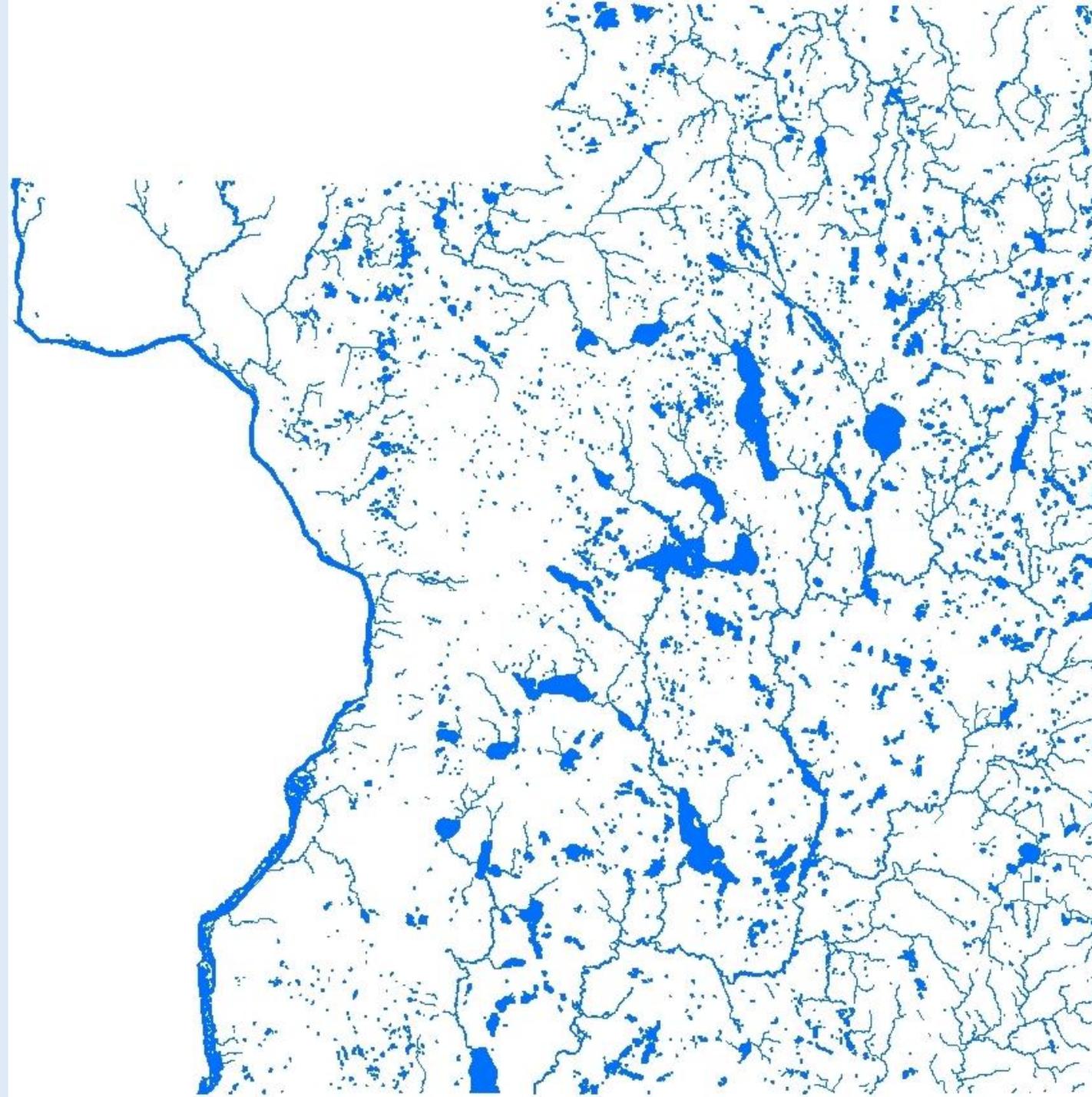


Polk County

437 lakes

365 miles of
streams and rivers

21,000 acres of
wetlands



Estimated 1 million
boaters on
Wisconsin waters
every year!



Characteristics of invasive species

Not native to the area

No natural predators

Aggressive and prolific

Mature early

Outcompete natives



Arrival and spread of invasive species

SHIPPING

Aquarium Trade

ANGLERS

SEAFLANE

WATER GARDENS

Ballast Water

Natural dispersal

STOCKING
FISH

Boaters

BAIT

AQUACULTURE

Why we care

Economic

Property values, tourism,
and commercial fishing

Ecological

Native species

Recreational

Boating and angling



Clean Boats, Clean Waters Overview

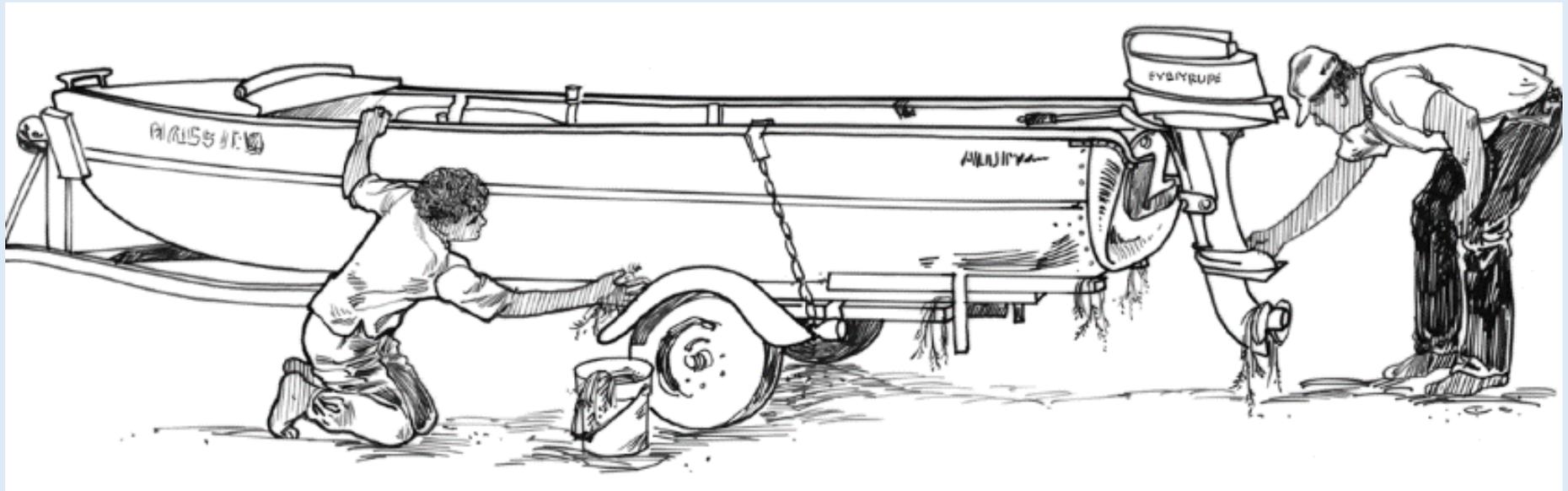


Clean Boats, Clean Water Program

Inform and educate boaters about invasive species

Perform watercraft inspections

Collect and report data



Goal: Change boater behavior

Educational materials

Prompts (decals, stickers)

Personal contact

Modeling behavior

Social diffusion



Boat landing message

AIS prevention actions

Inspect

Remove

Drain

Never move

Perform a watercraft check

Offer a brochure (hold off)



Current AIS regulations

Water must be drained (2 gallons for minnows)

May use leftover minnows on same water or other waters if no lake/river water or other fish were added

You may not transport live fish or fish eggs away from state waters

**PREVENT THE SPREAD OF
INVASIVE SPECIES
IT'S THE LAW**

PENALTIES MAY EXCEED \$2000

Before *launching* and before *leaving* **YOU MUST:**

- ✓ **INSPECT** boats, trailers, and equipment.
- ✓ **REMOVE** all attached aquatic plants and animals.
- ✓ **DRAIN** all water from boats, vehicles, and equipment.
- ✓ **NEVER MOVE** plants or live fish away from a waterbody.*

 **STOP AQUATIC HITCHHIKERS!**
Prevent the spread of invasive species, it's the law

 *Limited exceptions apply. Visit WWW.DNR.WI.GOV and search for "BAIT LAWS."

Polk County Ordinance

Prohibits launching or operating on a public roadway with plants or animals attached

Boat, trailer, and equipment

Hunting, trapping, and fishing equipment

Polk County cares about our water resources!

LOCAL ORDINANCE

Boaters must remove all aquatic plants and invasive animals before launching and entering a roadway.

Fines - \$200-\$500.



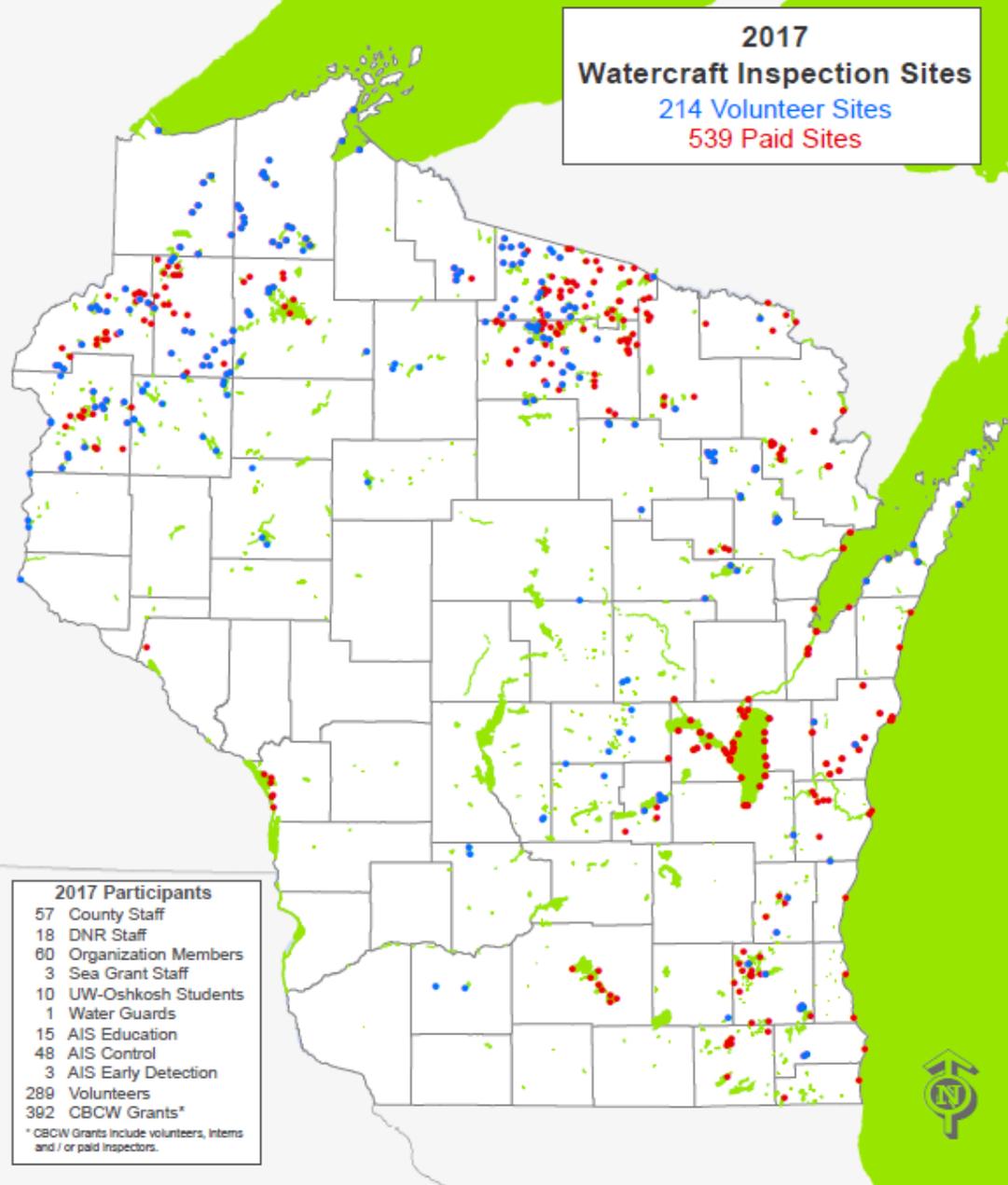
Polk County Ordinance 10-08
www.co.polk.wi.us/landwater/

Washburn and Burnett County

2018: Ordinance amended
Includes use of a decontamination station, if one is available



2017
Watercraft Inspection Sites
214 Volunteer Sites
539 Paid Sites



2017 Participants
57 County Staff
18 DNR Staff
60 Organization Members
3 Sea Grant Staff
10 UW-Oshkosh Students
1 Water Guards
15 AIS Education
48 AIS Control
3 AIS Early Detection
289 Volunteers
392 CBCW Grants*

* CBCW Grants include volunteers, interns and / or paid inspectors.



Legend
● Volunteer Watercraft Inspectors
● Paid Watercraft Inspectors
■ Infested Waterbodies

Clean Boats, Clean Waters
(CBCW)

New(er) prompts handout

Resource for inspectors

- Reminders of importance of steps

- Leads to discussion

- Space for local concerns

Simple and easy to read diagram

Quick visual reminder for live bait

AIS Prevention Step Prompts to Assist Inspector

If boaters are not familiar with the prevention steps or have questions, help them understand the reasons for taking these actions. You can use the prompts below to assist you in your explanation and discussions at the boat landing. Remember the goal is to make this as relevant as possible to the boater by localizing the issue through the conversation.

Steps 1 & 2 – INSPECT AND REMOVE

Why this is important:

Plants and animals can easily attach to boat/equipment or become entangled in boat motors and fishing lines and then be moved to another lake. This is a concern in this area because- (ADD LOCAL CONCERNS HERE)

Step 3 – DRAIN BOAT AND EQUIPMENT

Why this is important:

Many organisms such as spiny water flea, juvenile zebra mussels, or plant fragments (use organisms that are of concern in your area) are microscopic and invisible to the naked eye and easily transported in water from one waterbody to the next. We know that many of the boaters that frequent our lake also spend time at- (ADD LOCAL CONCERNS HERE)

Step 4 – DRAIN LIVEWELLS & CONTAINERS HOLDING CATCH

LIVE BAIT MESSAGE

Types of Live Bait:



Earthworms



minnows



leeches



TRASH

For Live Bait specific questions -

If bait comes in contact with water that contains AIS, the bait or water within the container can carry AIS and might be transported to another waterbody.



Data collection 2019

	Wisconsin	Polk County
Boats inspected	147,271	13,143
People contacted	307,608	29,234
Hours spent	89,662	7,025
Hours volunteered	12%	4%
Different waterbody	18%	20%
Boater understands	63% strongly agree 35% agree	69% strongly agree 30% agree

Steps for an effective program

Maintain effective hours

Wear t-shirts, hats, etc.

Develop an accurate and concise message

Report suspect specimens

Pair with CLMN program?



Recruiting volunteers

Commit volunteers

Newsletters, phone calls, personal visits

Develop a recruiting/training packet

Appoint a coordinator to schedule and organize volunteer hours

Select optimum days and high use landings

Retaining volunteers

Offer supplies

T-shirt, hat, forms, educational materials

Generous thank-you!

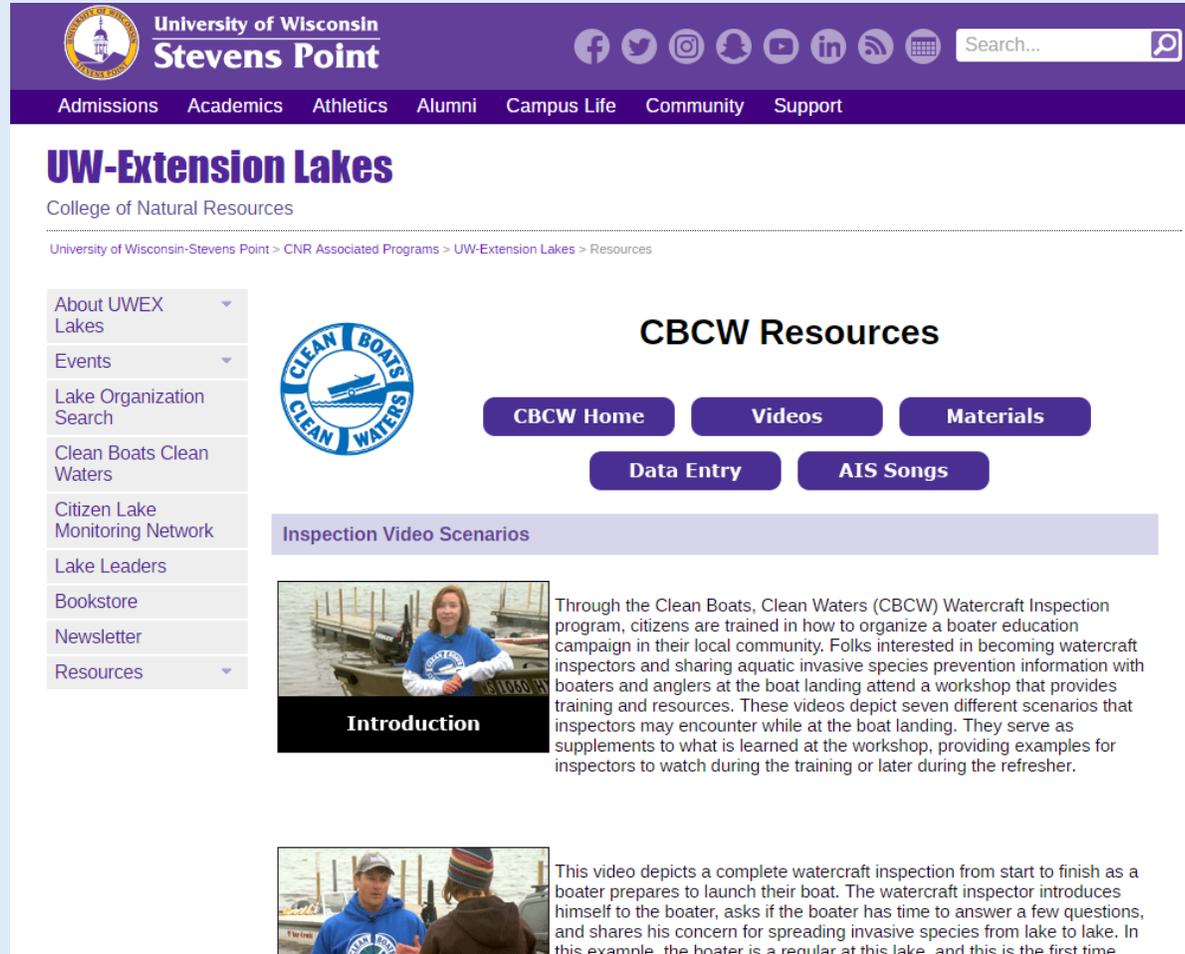
Publish volunteer names

Advertise accomplishments

Awards and certificates



Online Resources



The screenshot shows the University of Wisconsin Stevens Point website. The header includes the university logo and name, social media icons, and a search bar. Below the header is a navigation menu with links for Admissions, Academics, Athletics, Alumni, Campus Life, Community, and Support. The main content area is titled "UW-Extension Lakes" and includes a breadcrumb trail: "University of Wisconsin-Stevens Point > CNR Associated Programs > UW-Extension Lakes > Resources". A left sidebar contains a menu with items like "About UWEX Lakes", "Events", "Lake Organization Search", "Clean Boats Clean Waters", "Citizen Lake Monitoring Network", "Lake Leaders", "Bookstore", "Newsletter", and "Resources". The main content area is titled "CBCW Resources" and features a "CLEAN BOATS CLEAN WATERS" logo. Below the logo are buttons for "CBCW Home", "Videos", "Materials", "Data Entry", and "AIS Songs". A section titled "Inspection Video Scenarios" contains two video thumbnails. The first is titled "Introduction" and shows a woman in a blue shirt standing by a boat. The second shows a man in a blue shirt talking to a boater. Text descriptions for each video are provided.

UW-Extension Lakes
College of Natural Resources

University of Wisconsin-Stevens Point > CNR Associated Programs > UW-Extension Lakes > Resources

About UWEX Lakes
Events
Lake Organization Search
Clean Boats Clean Waters
Citizen Lake Monitoring Network
Lake Leaders
Bookstore
Newsletter
Resources

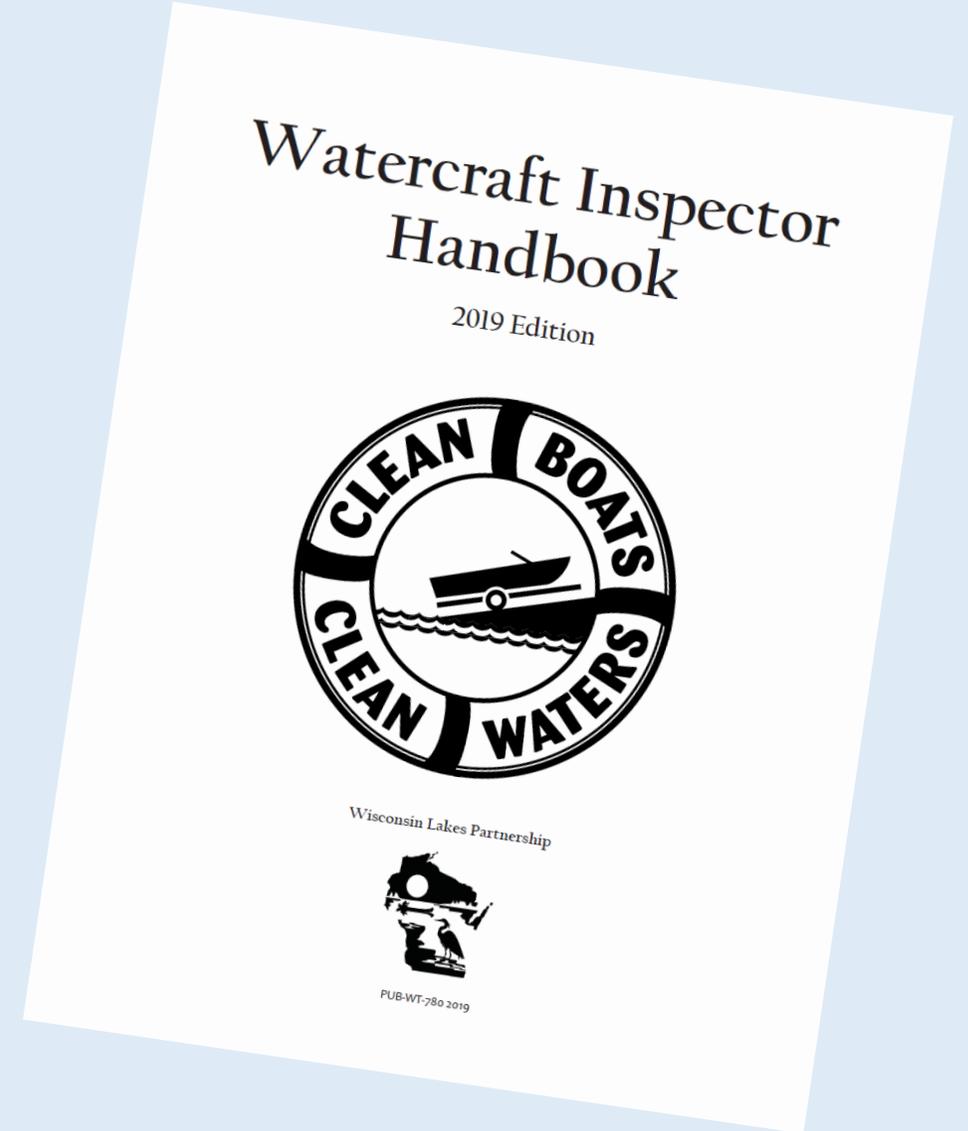
CBCW Resources

[CBCW Home](#) [Videos](#) [Materials](#)
[Data Entry](#) [AIS Songs](#)

Inspection Video Scenarios

Introduction
Through the Clean Boats, Clean Waters (CBCW) Watercraft Inspection program, citizens are trained in how to organize a boater education campaign in their local community. Folks interested in becoming watercraft inspectors and sharing aquatic invasive species prevention information with boaters and anglers at the boat landing attend a workshop that provides training and resources. These videos depict seven different scenarios that inspectors may encounter while at the boat landing. They serve as supplements to what is learned at the workshop, providing examples for inspectors to watch during the training or later during the refresher.

This video depicts a complete watercraft inspection from start to finish as a boater prepares to launch their boat. The watercraft inspector introduces himself to the boater, asks if the boater has time to answer a few questions, and shares his concern for spreading invasive species from lake to lake. In this example, the boater is a regular at this lake, and this is the first time



Supplies

T-shirt, hat, forms, educational materials

Clipboard and pencil

List of lakes with identified AIS

Plastic bags and markers

Cell phone and local contacts



Free Yard Signs

Corrugated plastic
Display during boat
inspections

18 x 24 inches

Metal stakes

Order online



CBCW resources for inspectors are available online!

How to access SWIMS, enter data, & view data graphs!

University of Wisconsin-Stevens Point > CNR Associated Programs > UW-Extension Lakes > Clean Boats Clean Water

- About Extension Lakes
- Events
- Lake Organization Search
- Clean Boats Clean Waters
- Citizen Lake Monitoring Network
- Lake Leaders
- Bookstore
- Newsletter
- Resources



Clean Boats, Clean Waters Watercraft Inspection



- Get Involved
- About Data Entry
- Resources
- For Trainers
- Order Supplies

[COVID-19 & CBCW: Click Here for Updates & Frequently Asked Questions](#)

With the growing concern over the spread of aquatic invasive species to Wisconsin's inland lakes, many lake association members and other

CBCW gear is now available to order online!

2020 Covid-19 Updates

Additional CBCW program guidelines have been created in an effort to keep inspectors and boaters safe during watercraft inspections this year. The decision to conduct inspections is up to the individual organization/entity.



Guidelines for Conducting Watercraft Inspections During COVID-19

This information is meant to provide guidelines for watercraft inspectors around the state who are healthy and want to begin conducting watercraft inspections. These guidelines provide ways to conduct watercraft inspections while following recommended safety precautions, *however the [Wisconsin Department of Health Services](#) and the [Centers for Disease Control and Prevention](#) recommend that adults over the age of 60 and individuals with underlying health conditions continue to shelter in place and that safeguards should be taken to isolate from vulnerable populations.* Watercraft inspection is a *voluntary* activity. Please put your health and safety first.



People who have symptoms of a coronavirus infection should not be at the landing. The [most common symptoms](#) include coughing, shortness of breath or difficulty breathing, flu-like symptoms (fever, chills, muscle pain), sore throat, and new loss of taste or smell.

A Phased Approach to Managing Risk at Landings for CBCW

The Badger Bounce Back Plan and CDC Guidelines for Opening Up America Again include [gating criteria](#) (metrics and data) to help determine when people can interact more freely and return to work. You can view the status of each metric in Wisconsin on the [DHS website](#), updated daily. Once these criteria are met, we're able to move to Phase 1 of the Bounce Back Plan. The specific metrics that DHS is using are based on federal guidance in the CDC's national strategy.

CDC and WI DHS gating criteria and phases also depend on the capacity of the health care system to handle surges in coronavirus cases. As of mid-May, these capacity metrics have been met. Should a major outbreak occur in the state, capacity could again become an issue.

PLEASE VIEW TABLE OF GUIDELINES ON THE REVERSE SIDE OF THIS DOCUMENT.

Additional Resources to Consider

- Yard sign informing landing visitors of inspections and the safety precautions being taken.
- More info on AIS prevention and specific invasives can be found on the WI DNR's website by typing in keywords, such as "AIS" or "zebra mussels" into the homepage search bar.
- Review [CDC's instructions on proper methods for putting on and taking off face masks](#).

If you have further questions, please contact your [local AIS Coordinator](#) (if you don't know, find out who that is [here](#)) or Erin McFarlane, Statewide CBCW Educator, at erin.mcfarlane@uwsp.edu.

Inspections During COVID-19

CBCW guidelines follow the phases of the Wisconsin Badger Bounce Back Plan and US CDC Guidelines for Opening Up America Again.

WI Dept. Health Services & CDC recommend adults age 60+ and people with underlying health conditions shelter in place.

Watercraft inspection is a voluntary activity. Please do not participate if you feel uncomfortable or unwell.

CBCW Grants: 3 Paths Forward

1. 200 inspections hours are met
2. Partial payment based on hours completed out of 200
 - % hours completed * total grant award = adjusted max grant award
 - Still receive 75% of cost share of eligible expenses up to max award
3. Time extension into next year
 - Convert 2020 grant to 2021, don't need to apply in 2021
 - Hold on to advanced payment until next year
 - Authorized representative needs to email request

Alex Delvoye

Pronouns: she/her/hers

Phone: (608) 264-6021 (please email as I am currently working from home)

Alexandra.Delvoye@wisconsin.gov

<p style="text-align: center;">ACTIONS FOR WATERCRAFT INSPECTORS</p> <p>Once the gating criteria on the Wisconsin DHS website have been met, watercraft inspection can move to Phase 1.</p>	<p style="text-align: center;">PHASE 1</p> <p>Watercraft inspections may begin at less busy boat landings around the state with groups of 10 people or less.</p>	<p style="text-align: center;">PHASE 2</p> <p>Watercraft inspections can expand to landings with groups of 50 people or less.</p>	<p style="text-align: center;">PHASE 3</p> <p>Return to normal inspections (Understand that boaters and anglers may still appreciate efforts to maintain a physical distance and additional sanitation protocols).</p>
Maintain at least 6 feet of distance from others and their boats/equipment.*	YES	YES	OPTIONAL
<p>Use a cloth face mask when there are additional people at the landing who could come into close proximity – this is meant to protect others in case you are infected but without symptoms (if you have symptoms, you should not be at the landing). <i>Free, reusable, 4-ply cloth face masks will be available for inspectors to order online in June.</i></p>	YES	YES	OPTIONAL
Have access to hand sanitizer (at least 60% alcohol content).	YES	YES	OPTIONAL
Hand out AIS brochures, stickers, or other publications.	NO	NO	YES (upon request)
Assist boaters/anglers with plant removal.	NO (unless using a grabbing tool)	NO (unless using a grabbing tool)	YES
Share inspection materials with other inspectors, such as clipboards, datasheets, t-shirts, hats, etc.	NO	NO	NO
Wash and sanitize hands especially after touching public surfaces, such as handrails on boat launches or piers.**	YES	YES	YES

*If you are suddenly unable to maintain 6 feet of distance from others because of the number of people at a landing, remove yourself to a safe location where you can observe and allow your presence and friendly wave to be a positive reminder of AIS prevention for others.

**The virus is not spread through the skin, so we do not recommend using gloves at the landing. More importantly, limit touching your eyes, nose, and mouth and wash/sanitize after contacting public surfaces.

Inspections During COVID-19

DHS & CDC recommends entering Phase 1 after a two week decline in cases and symptoms. Each successive phase represents a period of reduced risk. As risk goes down, CDC and DHS suggest allowing larger gatherings of people.

Phase 1 – less busy landings (<10 people)

Phase 2 – busier landings (<50 people)

Phase 3 – all landings

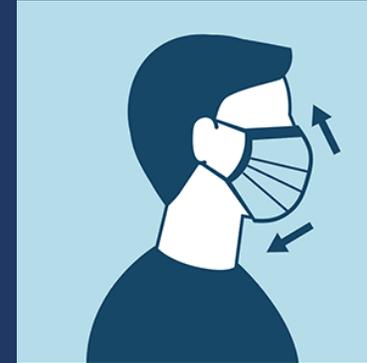


PHASE 1 & 2 Inspector Guidelines

- Maintain 6 ft distance from boaters & their equipment
 - Do NOT hand out AIS brochures or other materials
 - Do NOT assist boaters with plant removal
- If you can't maintain 6 ft distance, remove yourself to safe location where you can observe.
- Let your positive presence be a friendly reminder of AIS prevention.

PHASE 1 & 2 Inspector Guidelines

- Use a cloth face mask
 - 2 free masks available to inspectors
 - Order from CBCW online store



- Wash or sanitize your hands after touching public surfaces
 - Inspectors should have access to hand sanitizer (>60% alcohol content)



- Do NOT share inspection materials

Cloth Face Masks

- 2 free masks for each inspector
- Cloth, 4 ply, reusable mask
- Contact Erin for orders larger than 10
- Available to order by June 1



- Polk County Health Department also has limited supplies of masks

Erin McFarlane

Statewide CBCW Educator

Extension Lakes

phone: 715-346-4978

e-mail: erin.mcfarlane@uwsp.edu

Brian Kaczmariski BS, MPH

Director/Health Officer

Polk County Health Department

715-485-8560

brian.kaczmariski@co.polk.wi.us

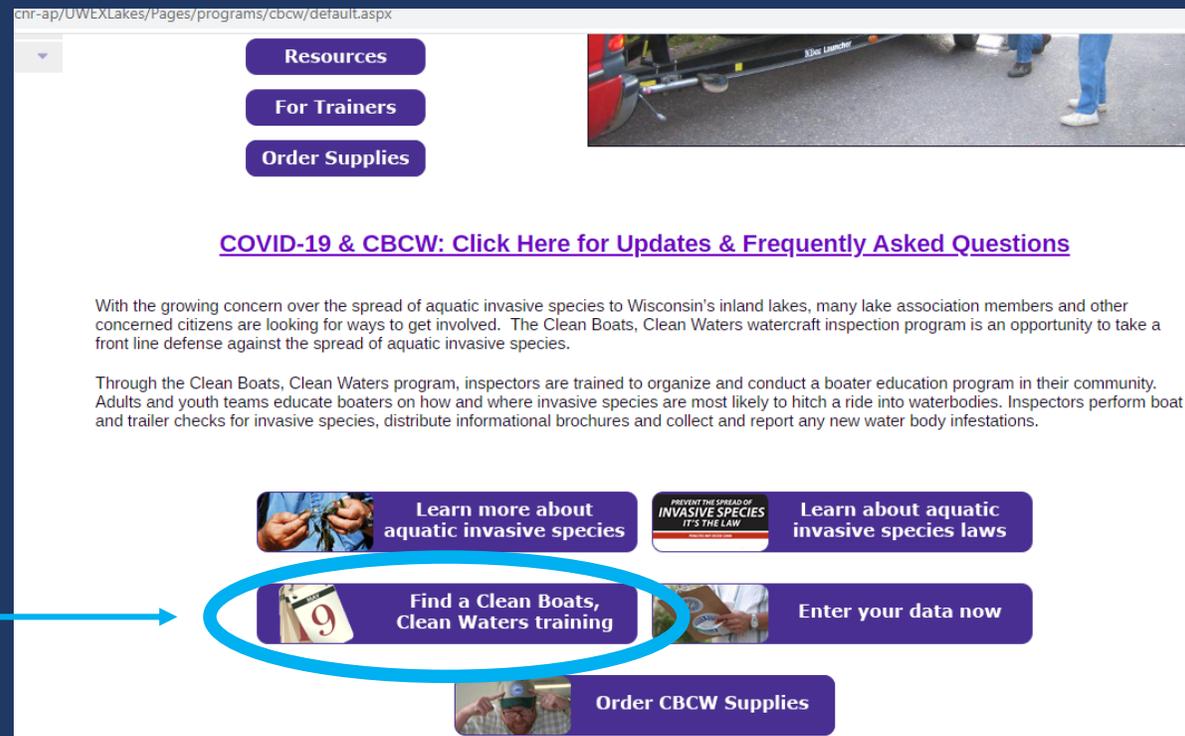
Alternative Resources

- CBCW yard signs for landing
 - Share message that inspectors are taking precautions to keep boaters safe
- Boaters have questions or want more info on AIS?
 - Search for keywords on WI DNR's website



CBCW Training Calendar

- Statewide CBCW Trainings
June 1, 1:00 – 3:00pm
June 4, 9:00 – 11:00am



cnr-ap/UWEXLakes/Pages/programs/cbcw/default.aspx

Resources
For Trainers
Order Supplies

[COVID-19 & CBCW: Click Here for Updates & Frequently Asked Questions](#)

With the growing concern over the spread of aquatic invasive species to Wisconsin's inland lakes, many lake association members and other concerned citizens are looking for ways to get involved. The Clean Boats, Clean Waters watercraft inspection program is an opportunity to take a front line defense against the spread of aquatic invasive species.

Through the Clean Boats, Clean Waters program, inspectors are trained to organize and conduct a boater education program in their community. Adults and youth teams educate boaters on how and where invasive species are most likely to hitch a ride into waterbodies. Inspectors perform boat and trailer checks for invasive species, distribute informational brochures and collect and report any new water body infestations.

Learn more about aquatic invasive species
Learn about aquatic invasive species laws
Find a Clean Boats, Clean Waters training
Enter your data now
Order CBCW Supplies



Drain Campaign
and Landing Blitz
Combined
Sunday, June 28th -
Sunday, July 5th

Before leaving the water,
**DRAIN
LIVEWELLS
& BUCKETS**
containing your catch.

↓

It's the law!

*Leaving the water?
Try transporting your catch on ice.*

**BENEFITS OF ICING
YOUR CATCH:**

- At freezing temperatures, bacterial growth is reduced to near zero, preventing fish spoilage
- Freezing prevents/reduces rigor mortis
- Captive fish foul their water with substances that are toxic to fish, including nitrite and ammonia

Source: Quality and quality changes in fresh fish, FAO Fisheries Technical Paper 348

WY-002

Publication # WY-002A for ice packs is not sent automatically. Order from DNRAISinfo@Wisconsin.gov

Ice packs

Will be shipped the week of June 1

Towels

Most should have them this week or early next week

To give or not to give...

- Safety first – You can always save them for next year!
- Be aware of how you handle the supplies before, during and after
- If inspectors give out, wear masks and gloves
- Use a grabbing tool to hand them off to boaters
- Have items where boaters can pick up and hand sanitizer available
- Have a “clothesline” of towels people could take them from
 - This could be rope across two points or a table with the rope or bungee cords looped around it that the towels are clipped to
- **Emphasize the reason** for the ice packs or towels instead of being concerned that people take one or not

We can
share the
AIS
Prevention
messages
from a safe
distance



Invasive species of concern



Eurasian water milfoil

Discovered in Polk
County in 1995

Spreads from
fragments

Able to form large
mats



Eurasian water milfoil identification

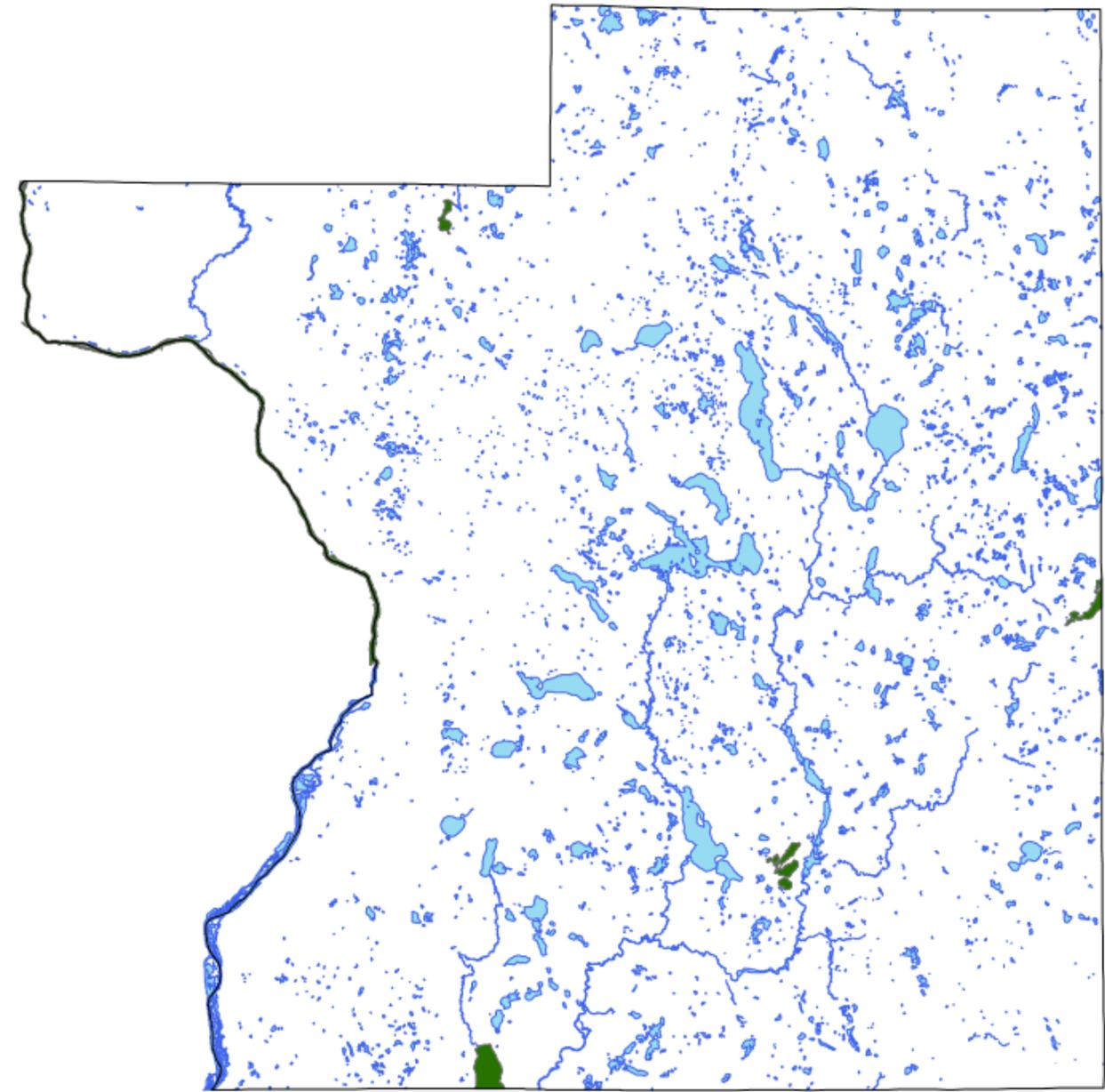
Leaflets: 12-21

Larger space
between leaflets

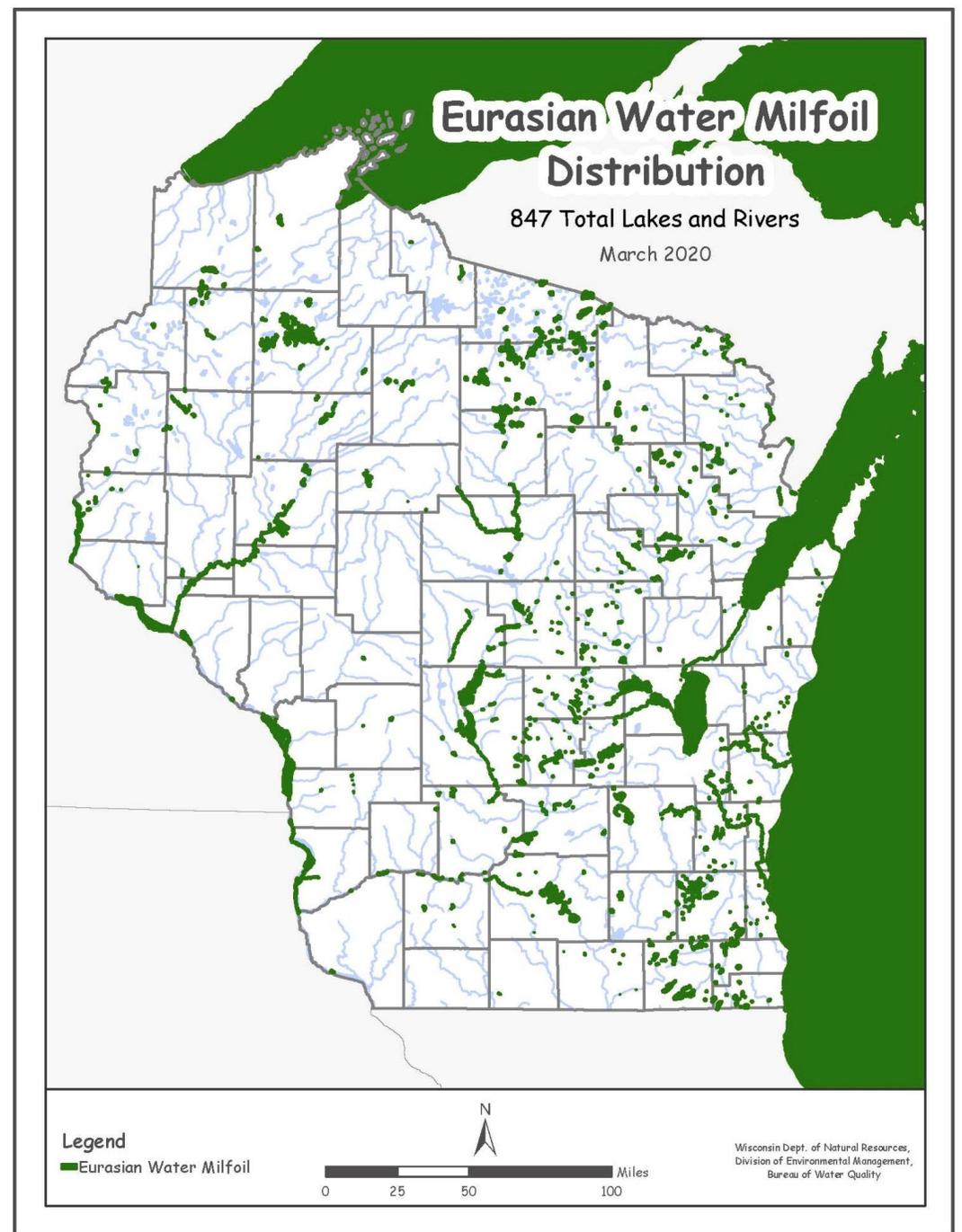
Limp when out of
water







Polk County: 7 waterbodies



Curly leaf pondweed

Discovered in Polk
County in 1977

Active early in
growing season

Can form dense mats



Curly leaf pondweed identification

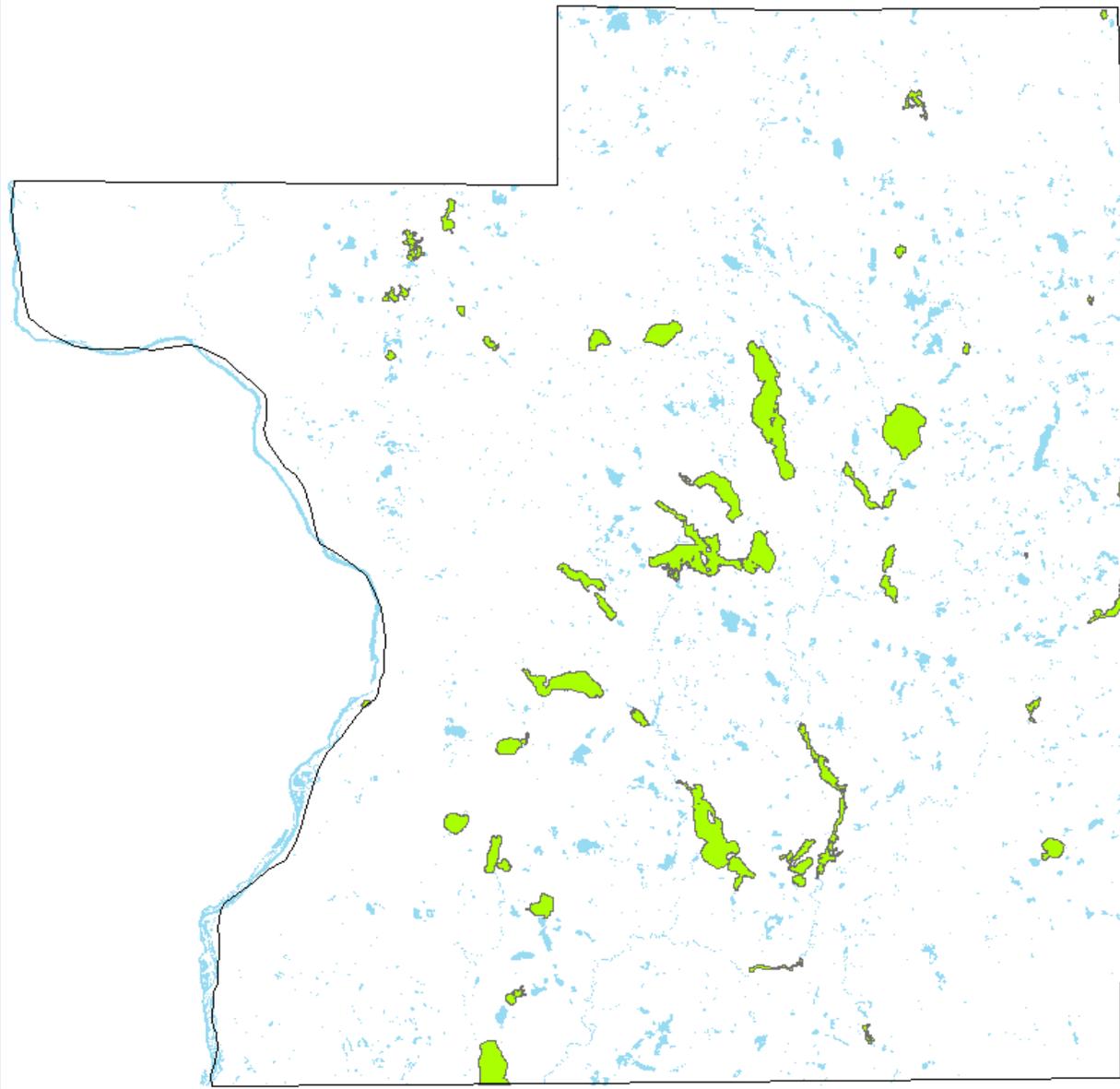
Prominent mid-vein

Rounded tip

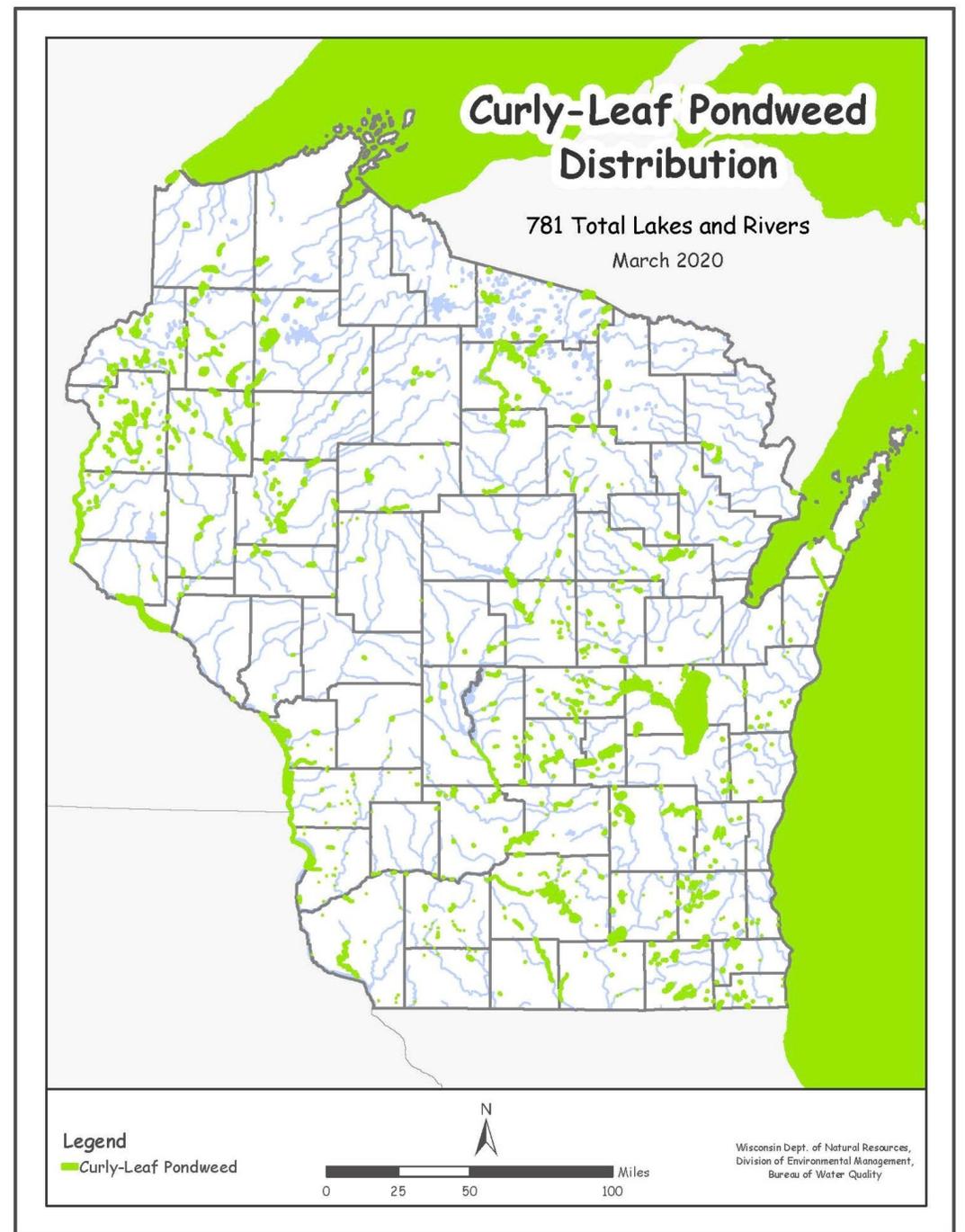
Small teeth along leaf

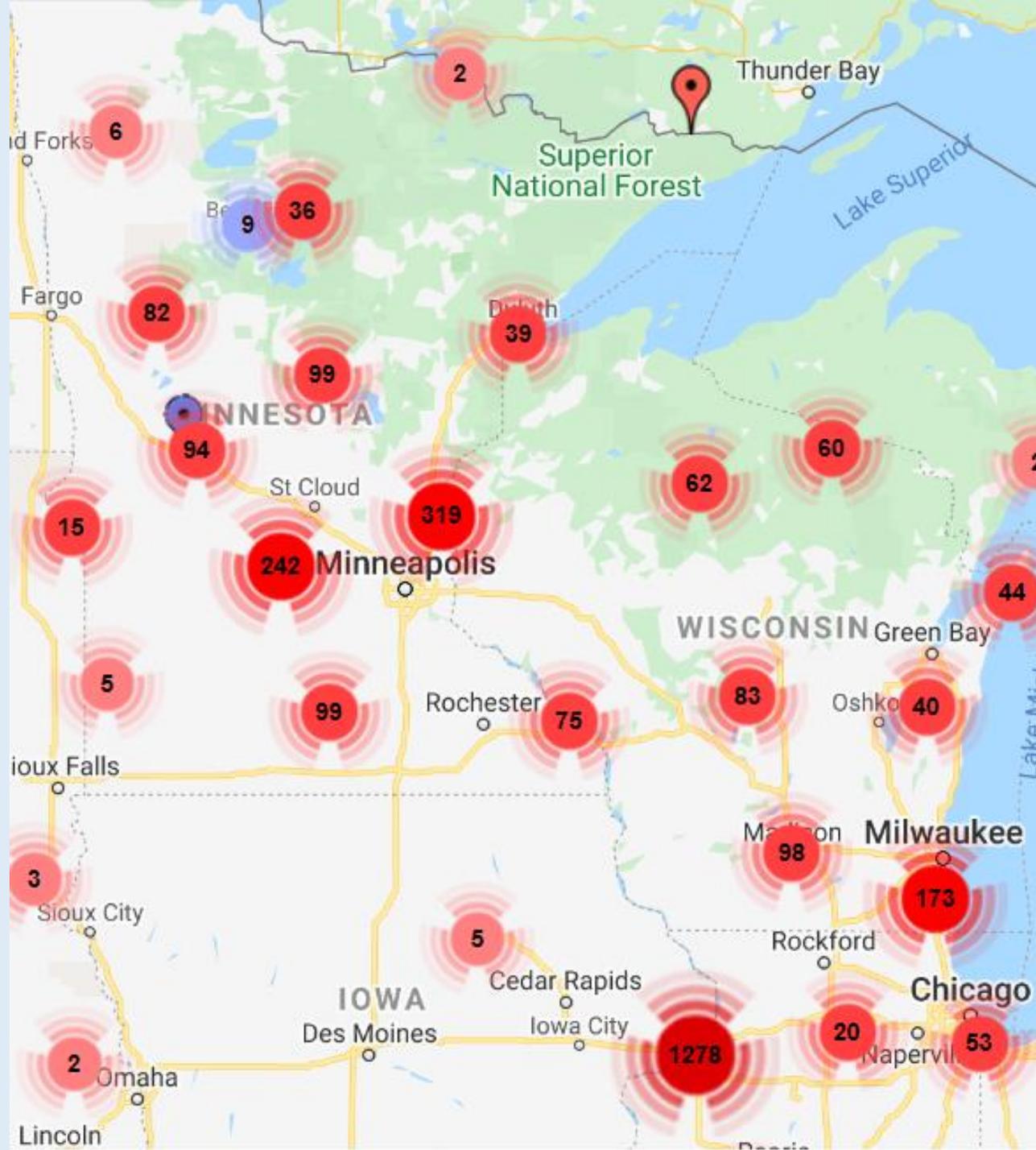
Lasagna like shape





Polk County: 48 waterbodies





Purple loosestrife

Imported from Europe

1 million seeds

Biocontrol option exists



Purple loosestrife identification

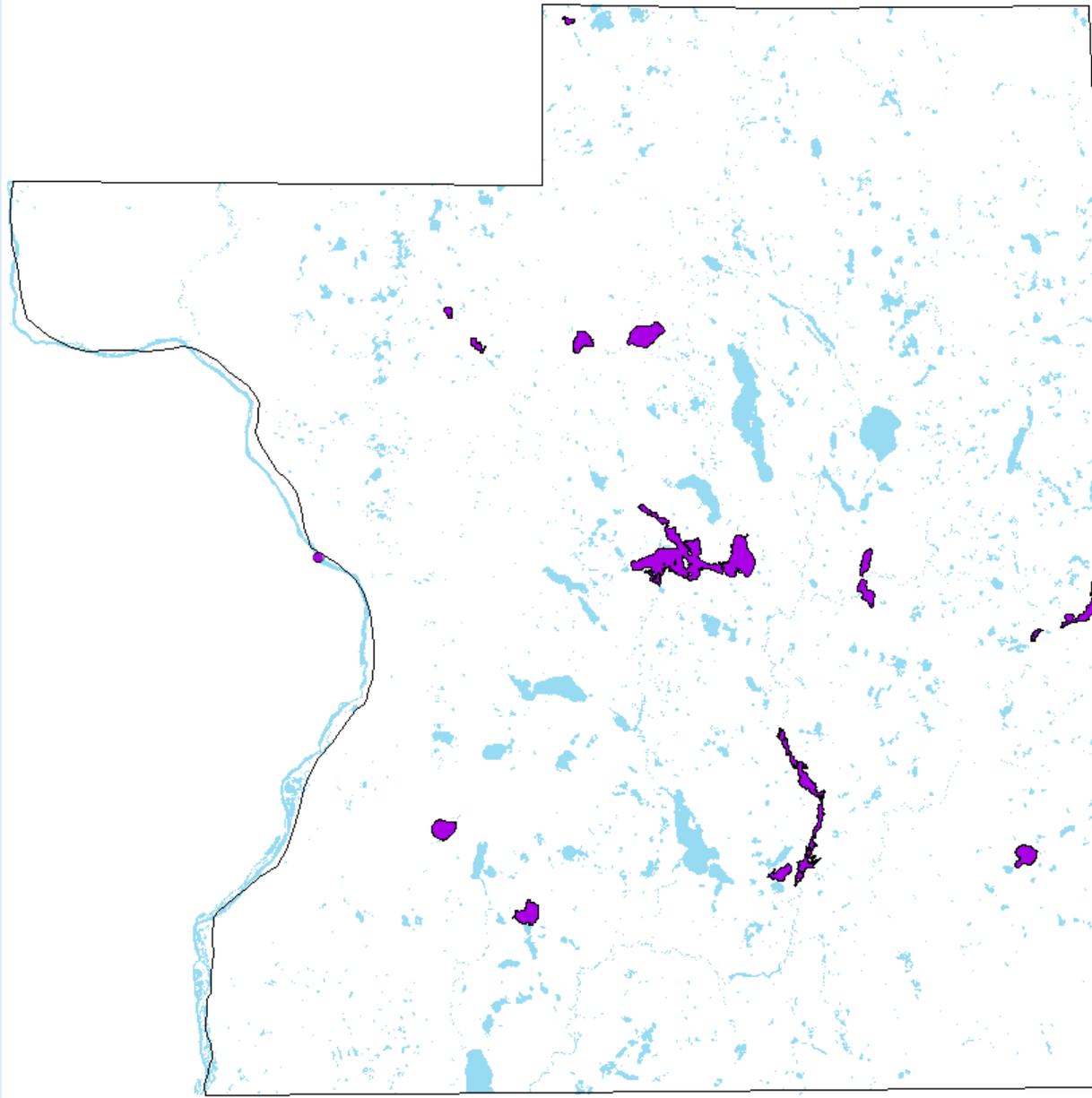
Grows 3-7 feet tall

Opposite leaves

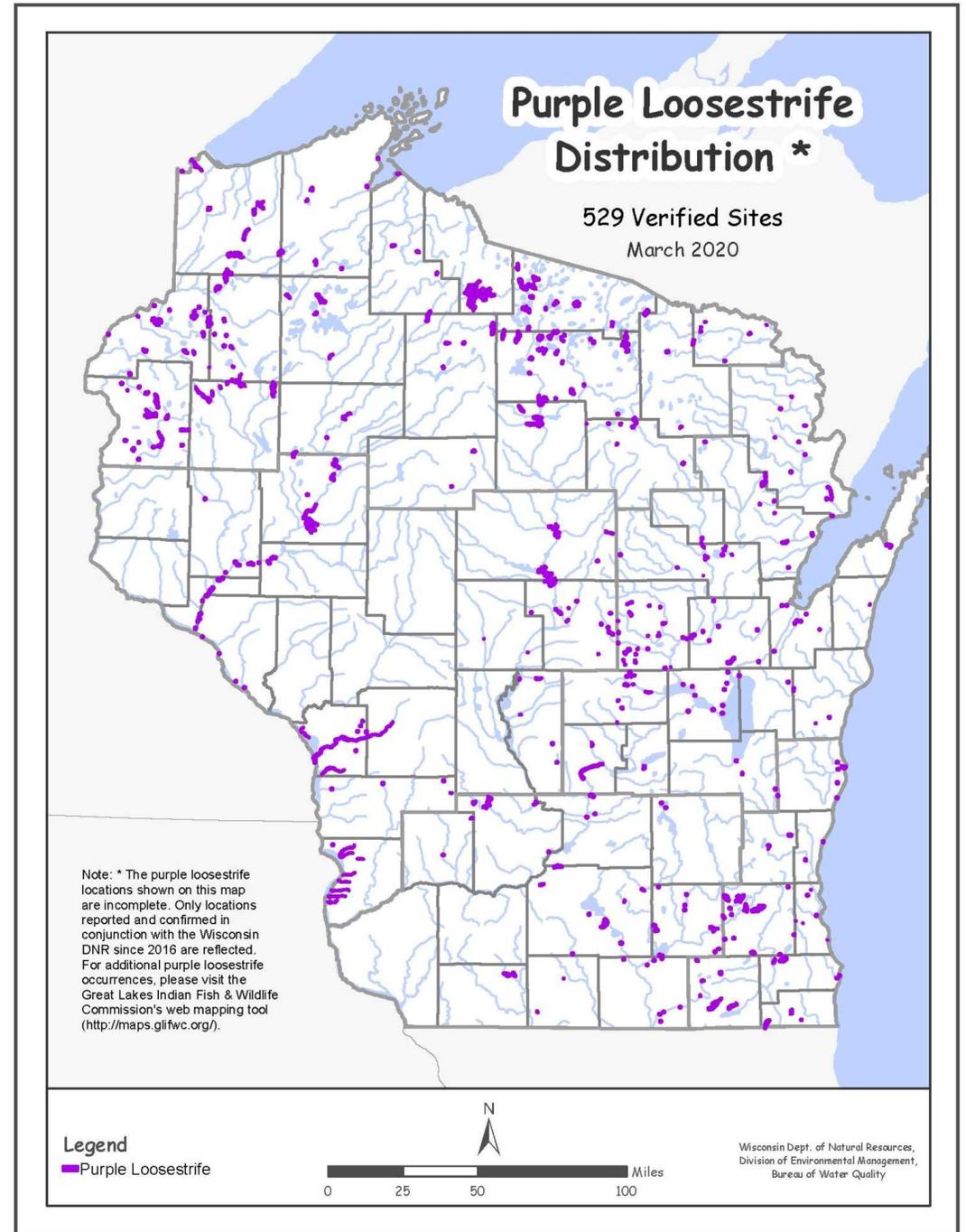
Flowers July-Sept

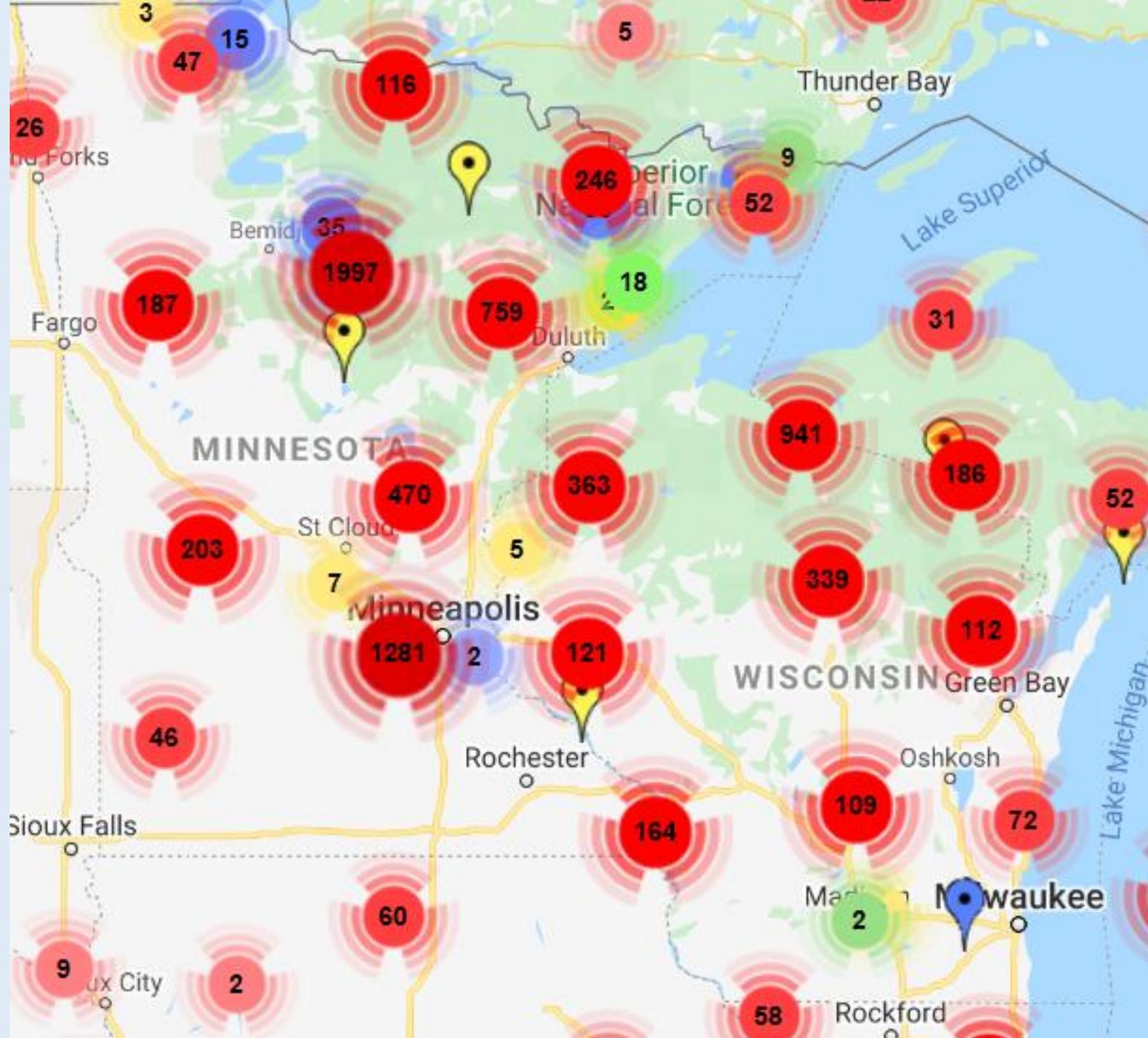
Semi woody stem with
edges





Polk County: 16 waterbodies





Zebra mussels

Discovered in Polk County in 2016

Microscopic in early life stages

Females produce 1 million eggs/season



Zebra mussel identification

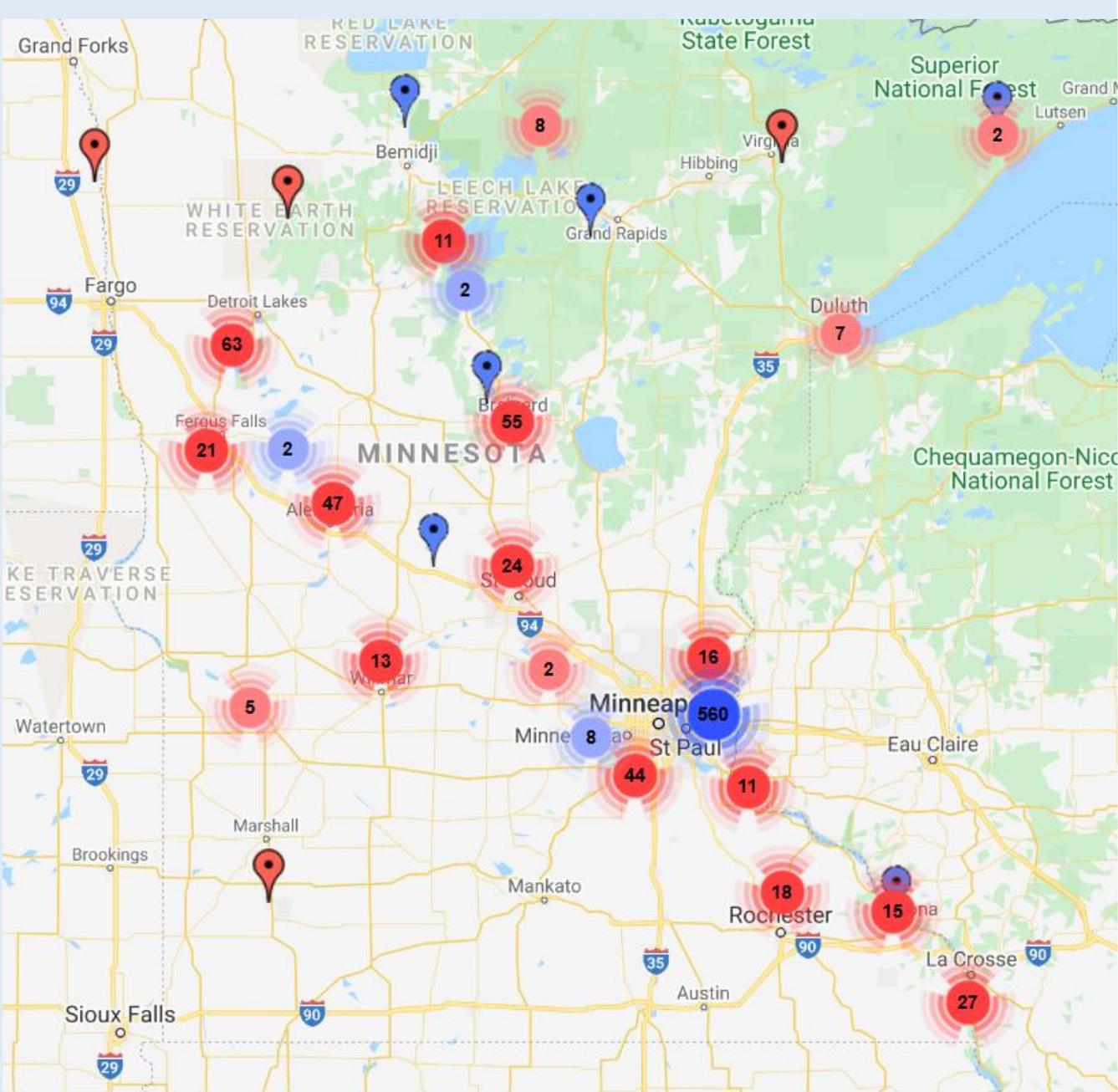
D-shaped shell

Alternating black and white strips

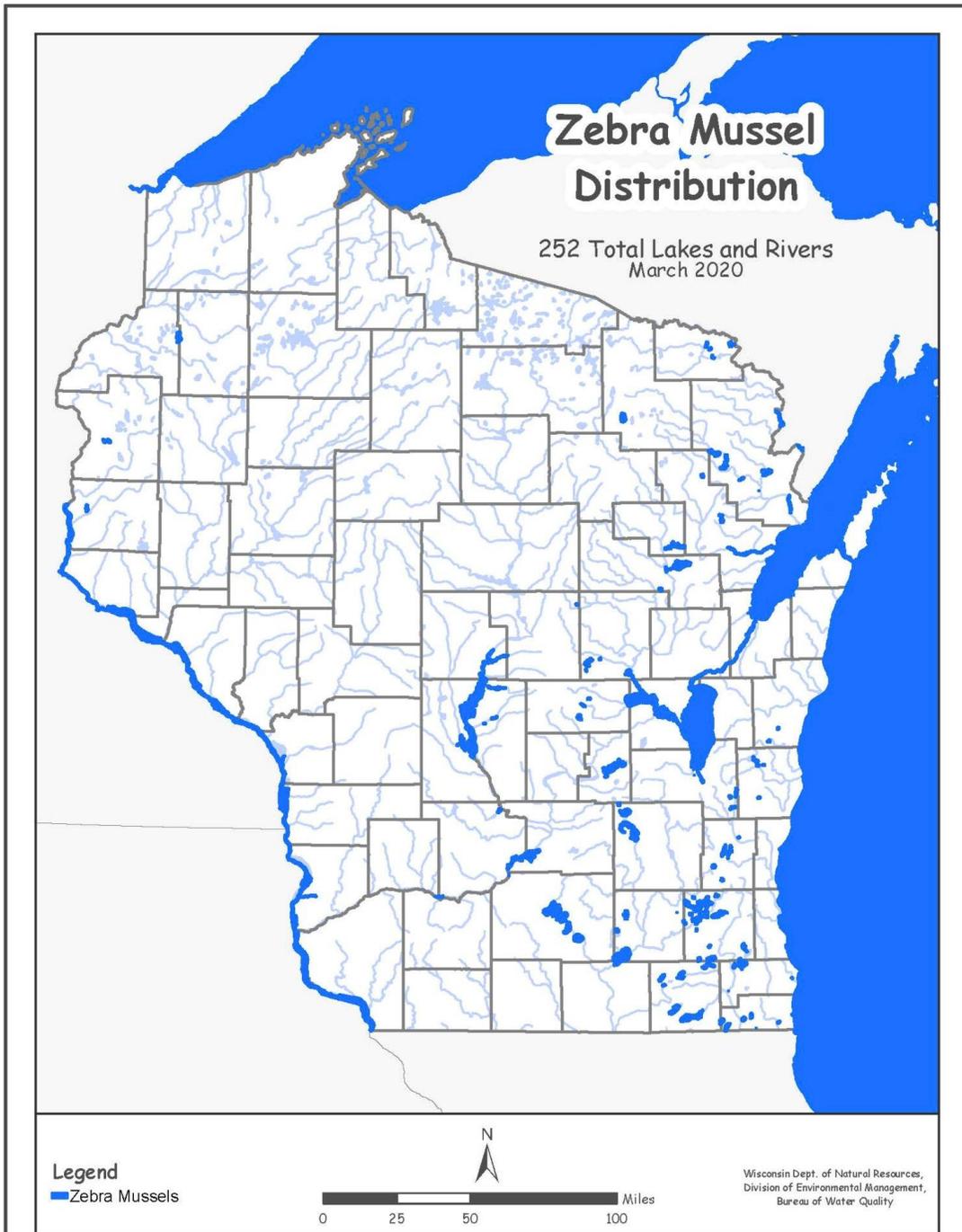
Attach to hard surfaces



Dreissena polymorpha
Zebra mussel
© Paul Skawinski 2011



EDDMapS



Invasive snails

Chinese mystery

Banded mystery

Present in Polk



Faucet snails

New Zealand mudsnails

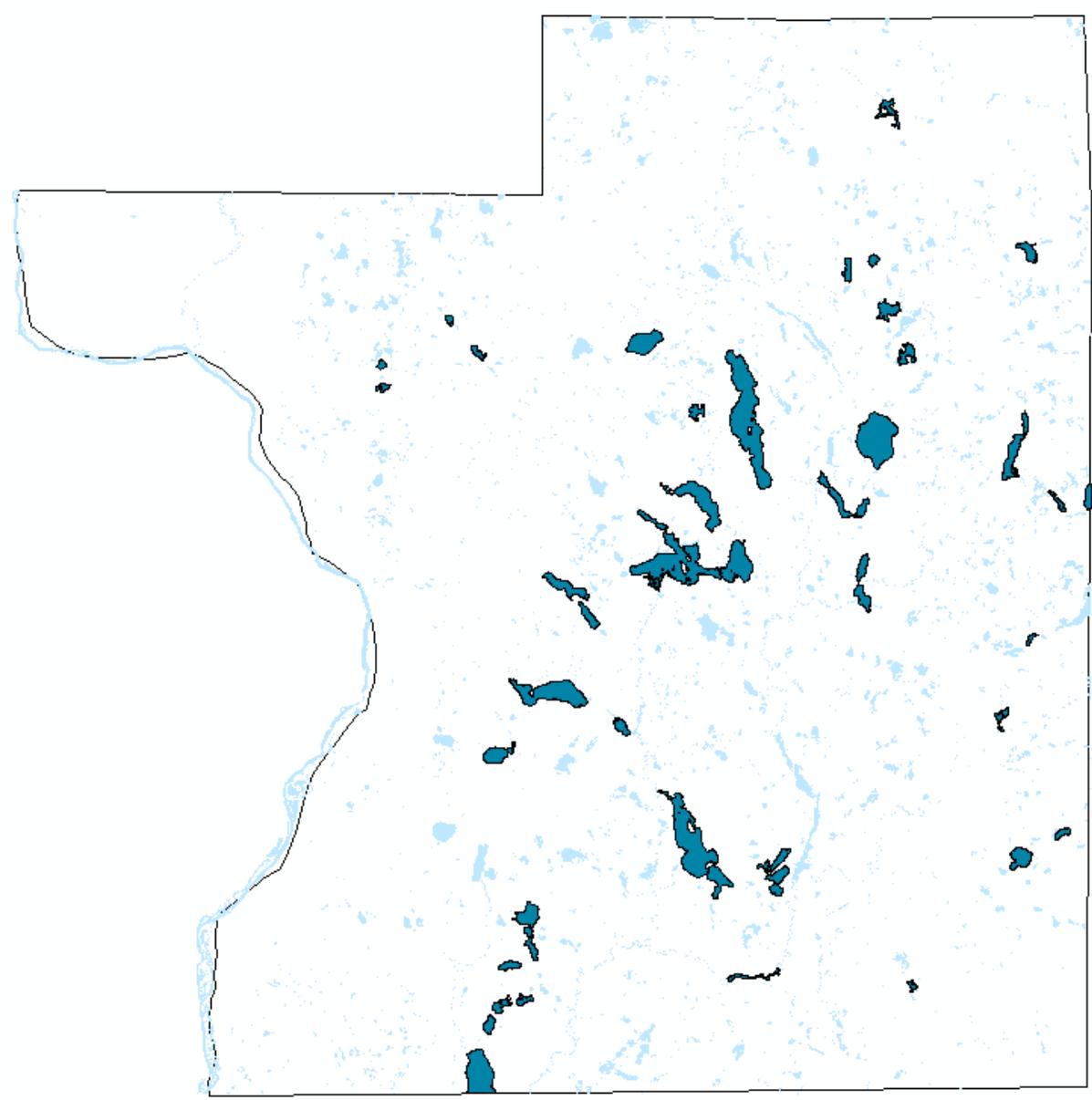
Not present in Polk



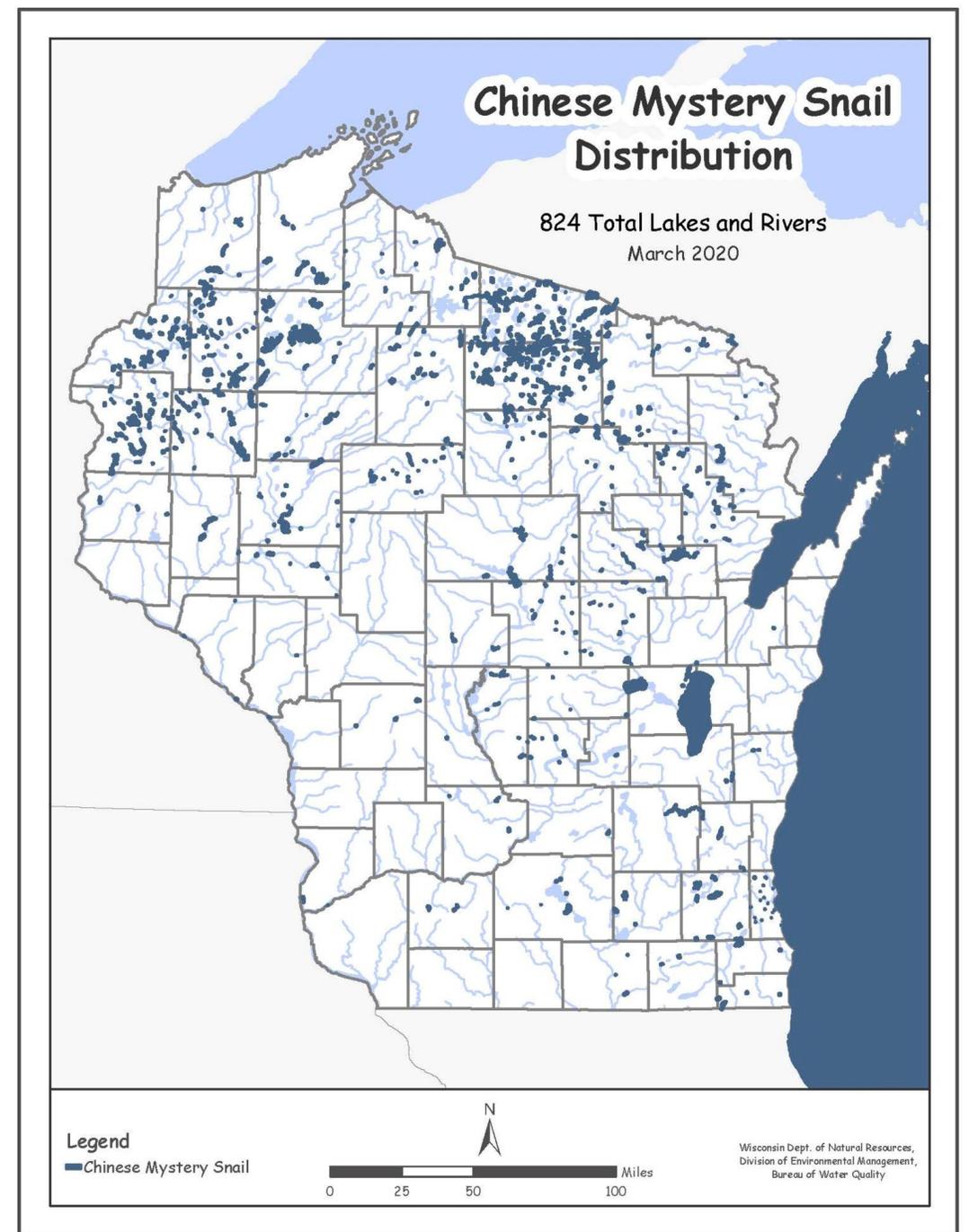
S. Mortensen, 2014

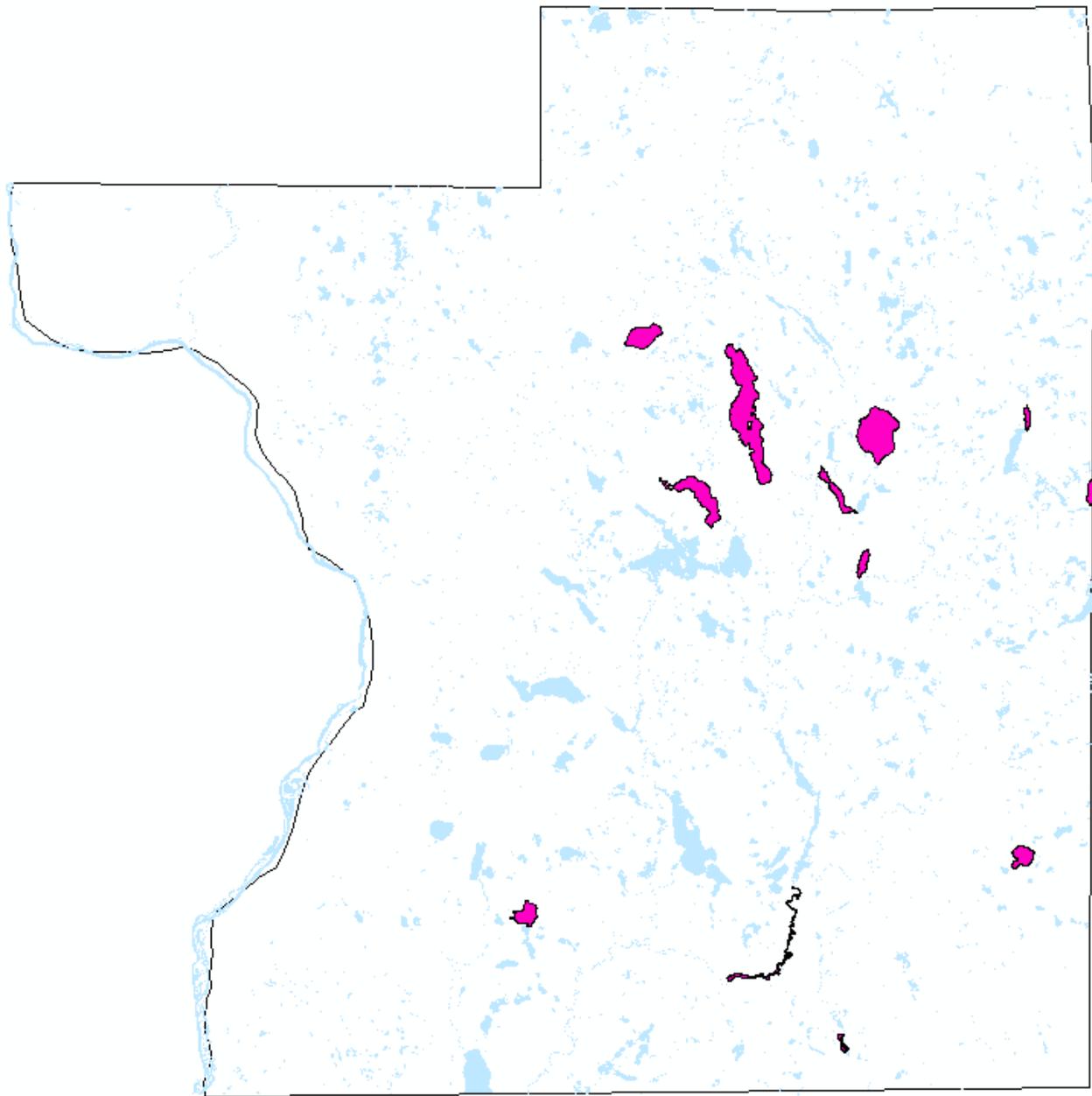


Potamopyrgus antipodarum
New Zealand mudsnail
© Paul Skrawinski 2013

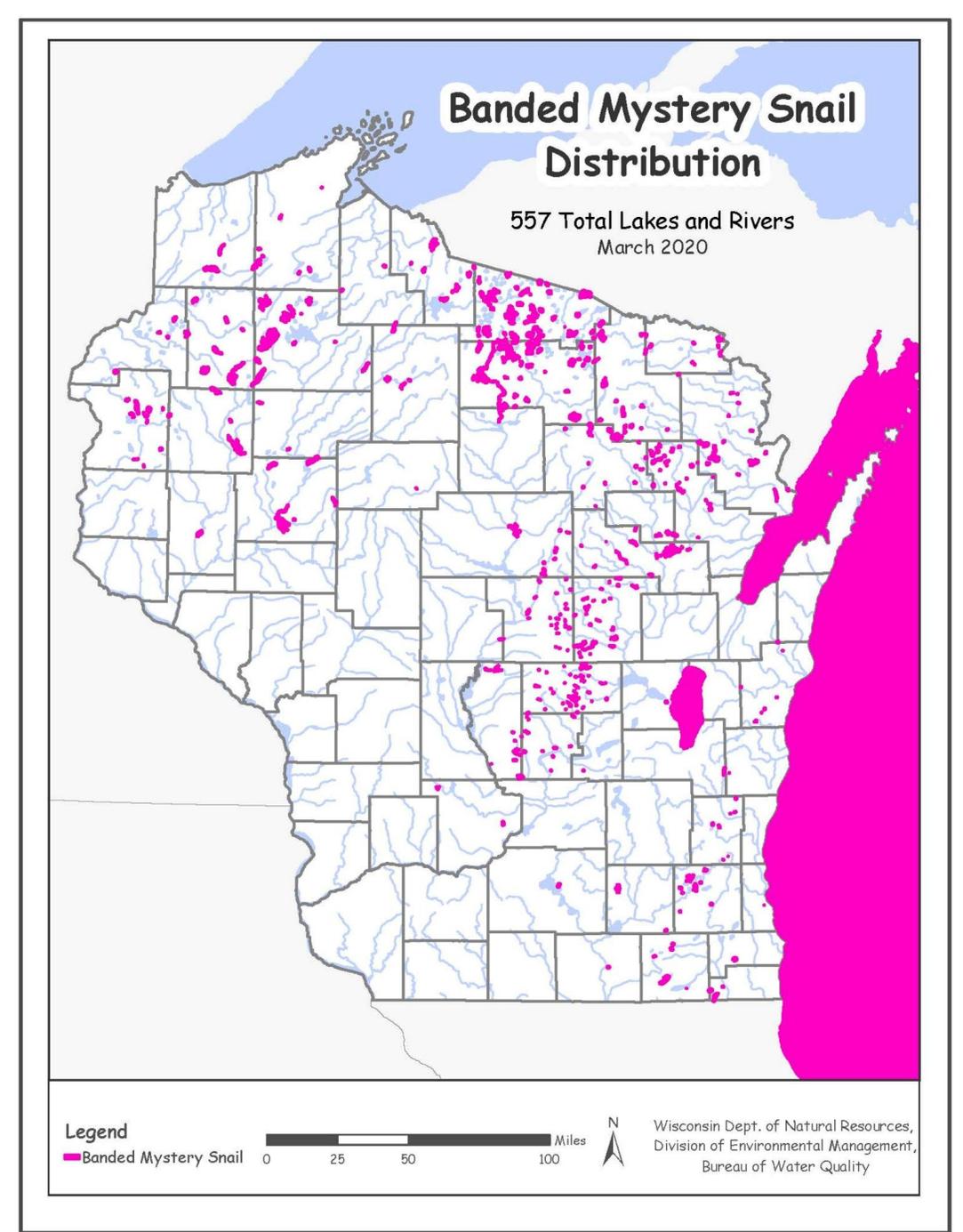


Polk County: 51 waterbodies

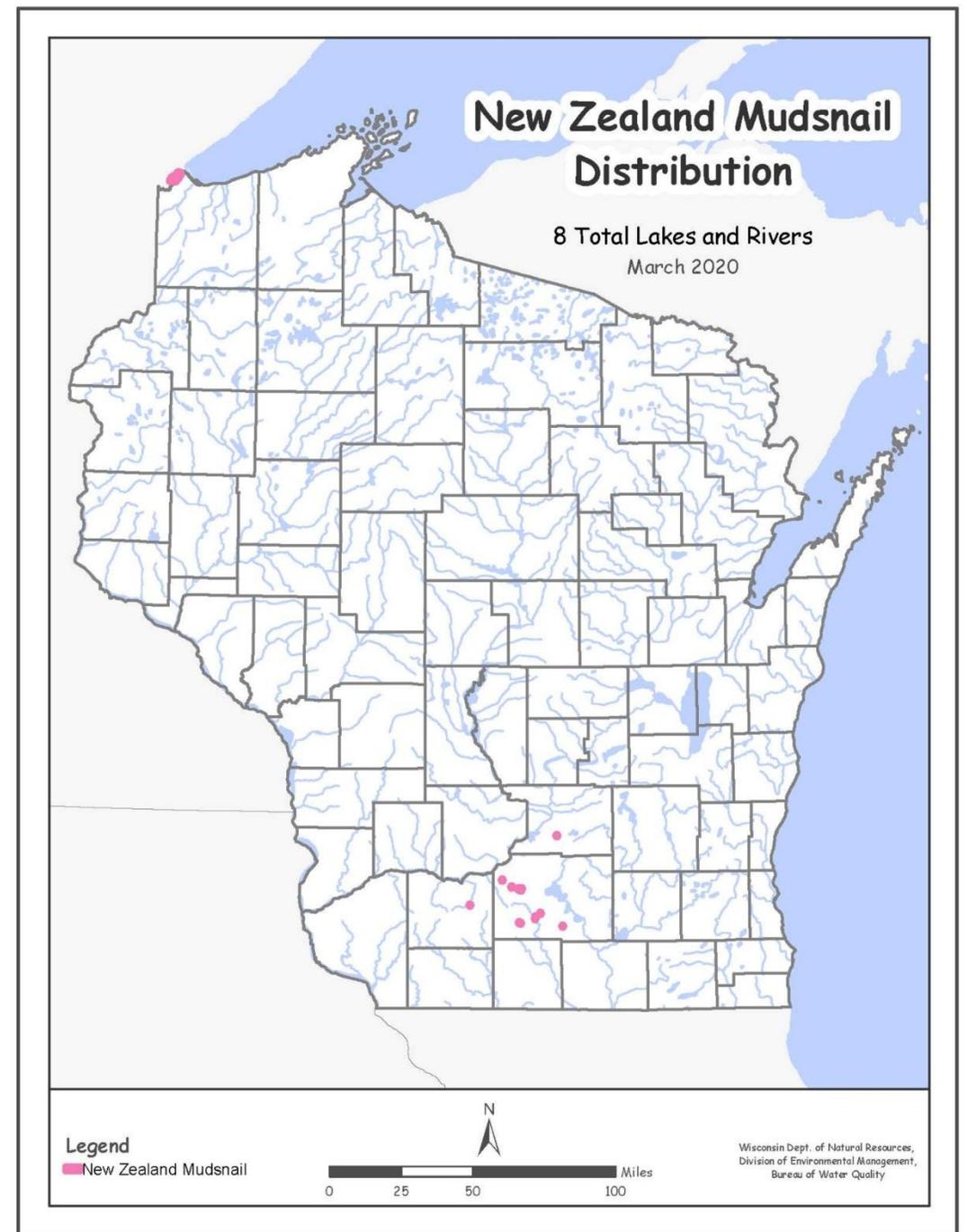
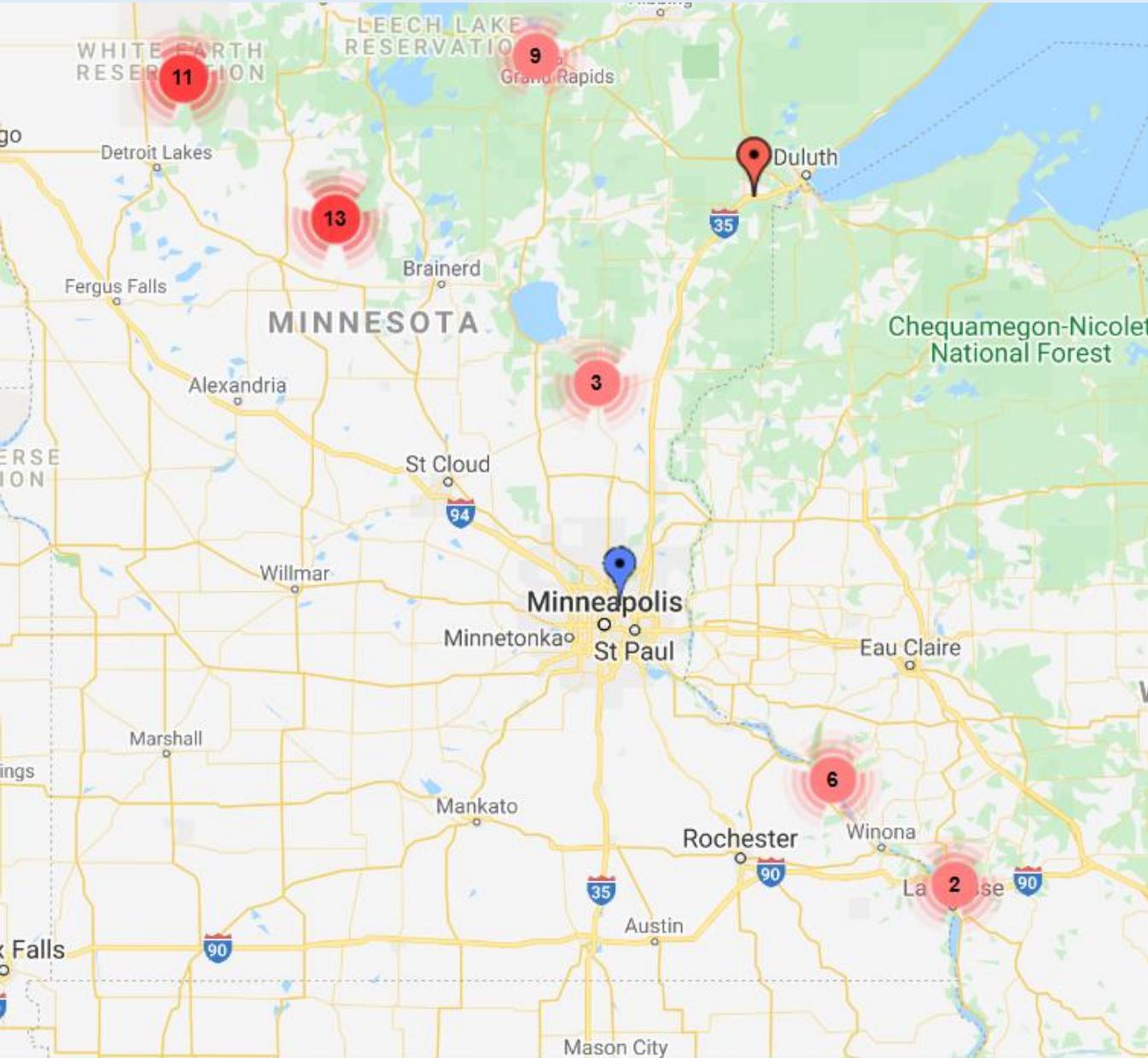




Polk County: 14 waterbodies



Faucet Snail



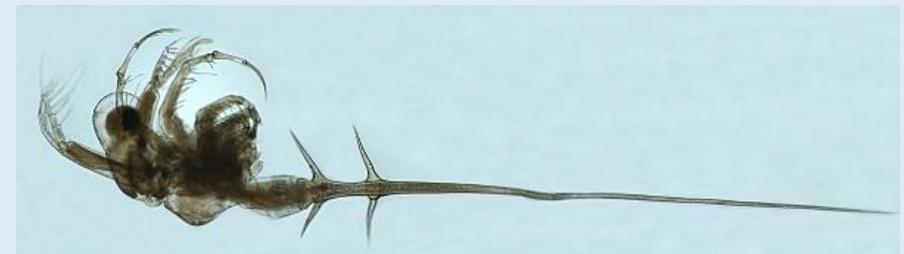
Spiny water flea

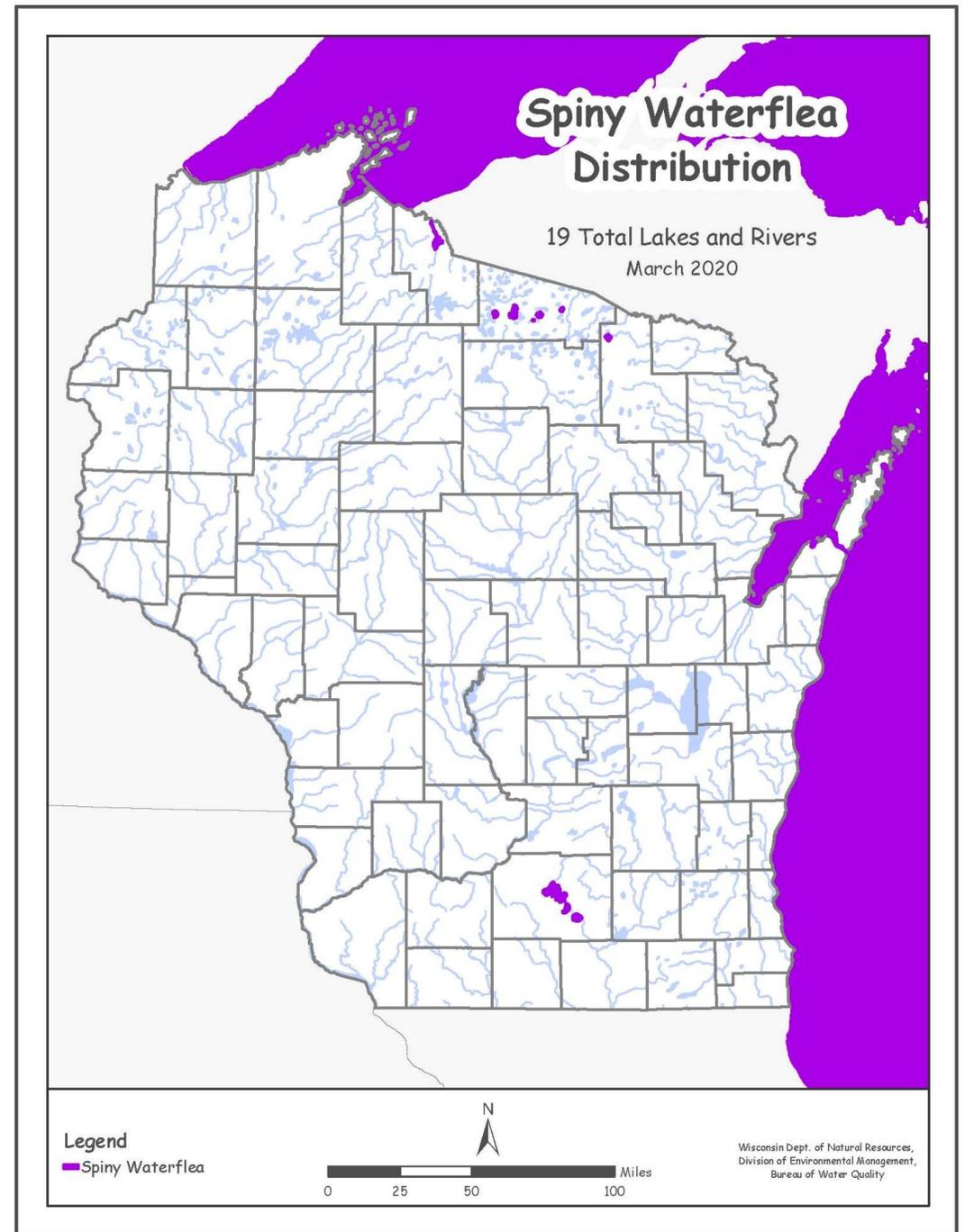
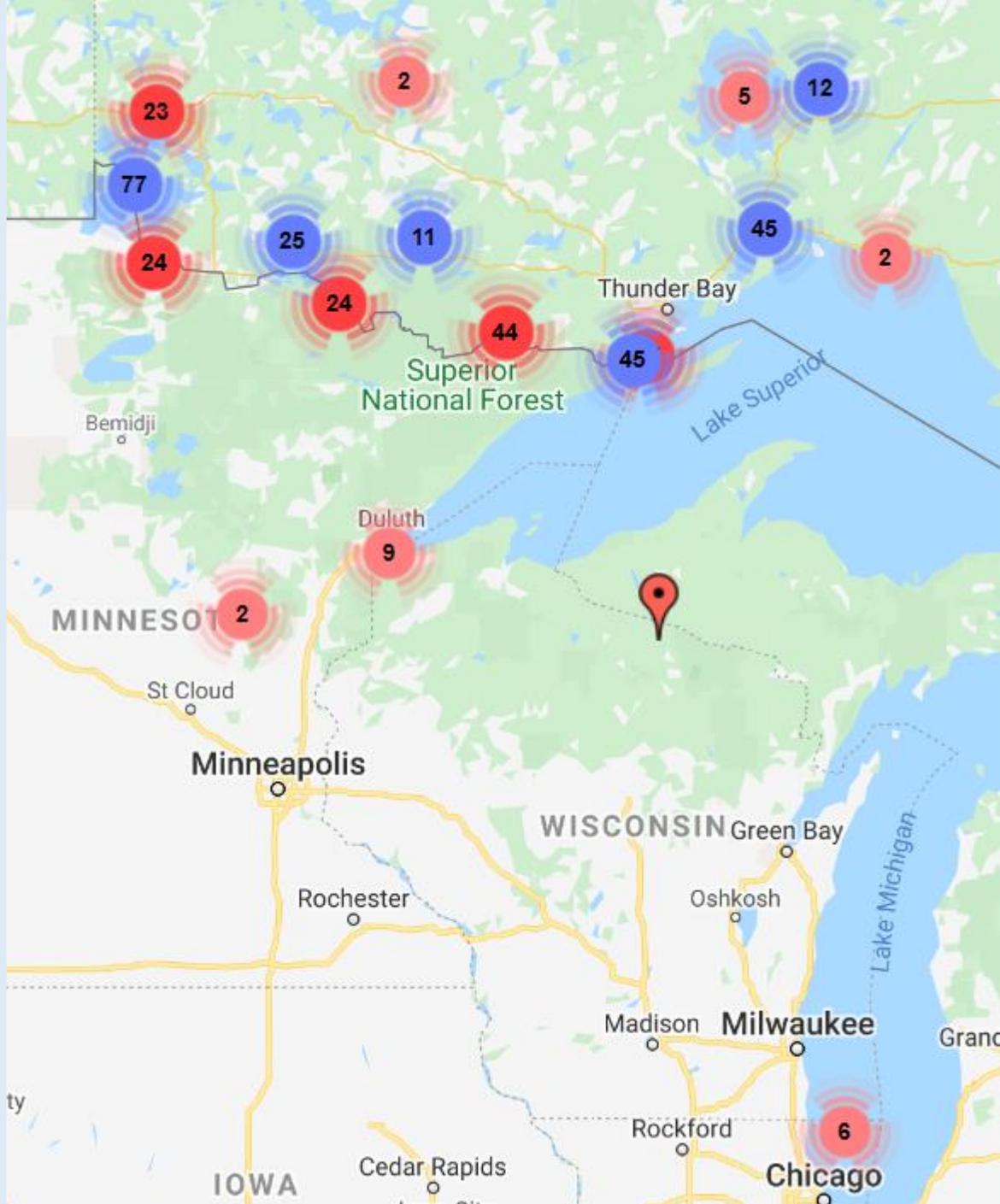
Disrupt the food chain

Harm native fish

Foul fishing gear

Not present in Polk County





Viral hemorrhagic septicemia

Documented in Lake Michigan and Superior, and Lake Winnebago System

Can kill 25 species of fish
No danger to humans



Rusty crayfish

Brought to WI as bait

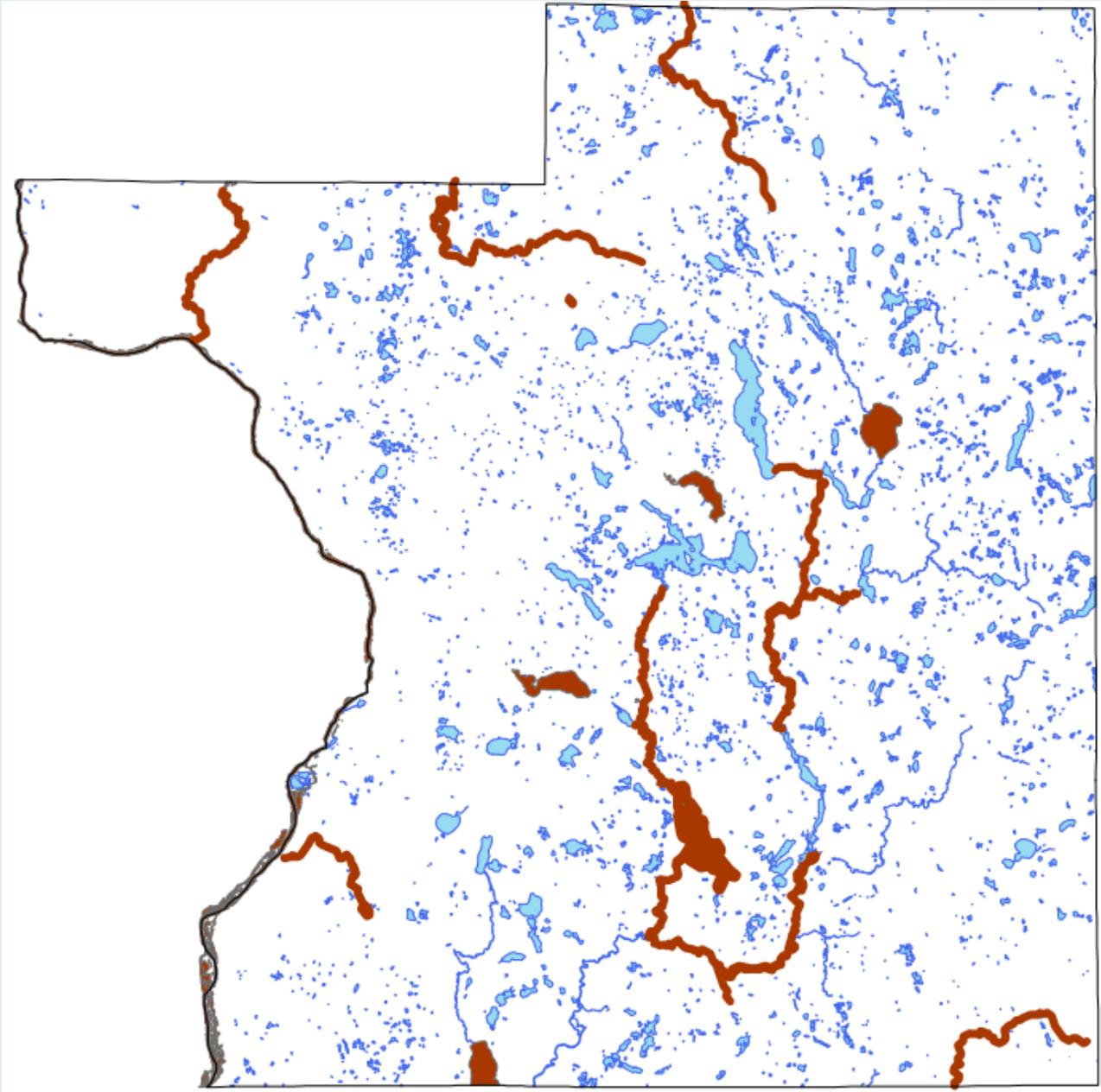
Reduce aquatic vegetation

Impact spawning

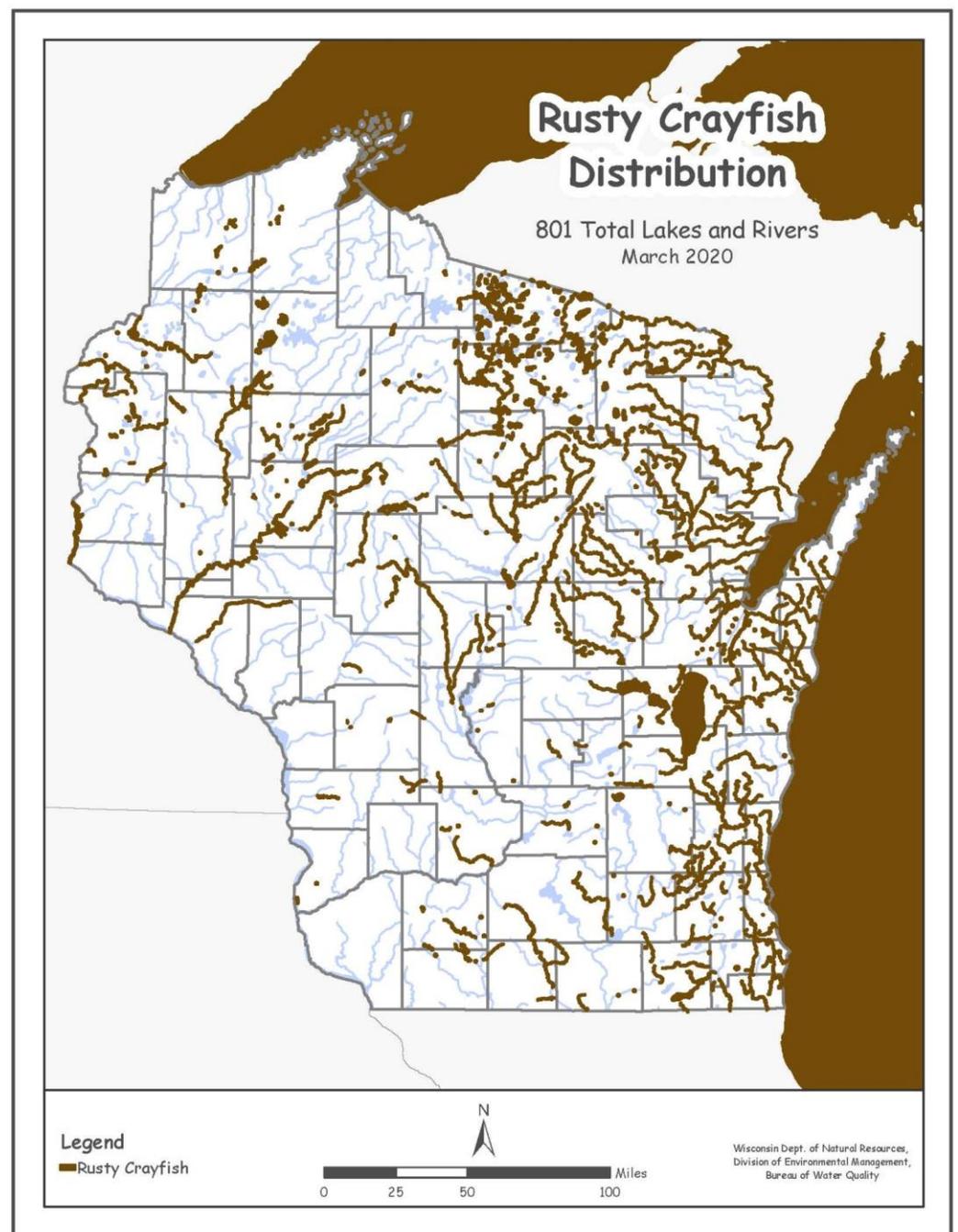
Aggressive

Rust colored spots





Polk County: 12 waterbodies



Upcoming trainings

AIS CLMN: Friday June 26th 1-3PM

Project RED: Thursday, July 23rd 10AM-12PM

Bridge Snapshot Day: Saturday, August 15th

NW Lakes Conference: Friday, June 19th

Thank you!

