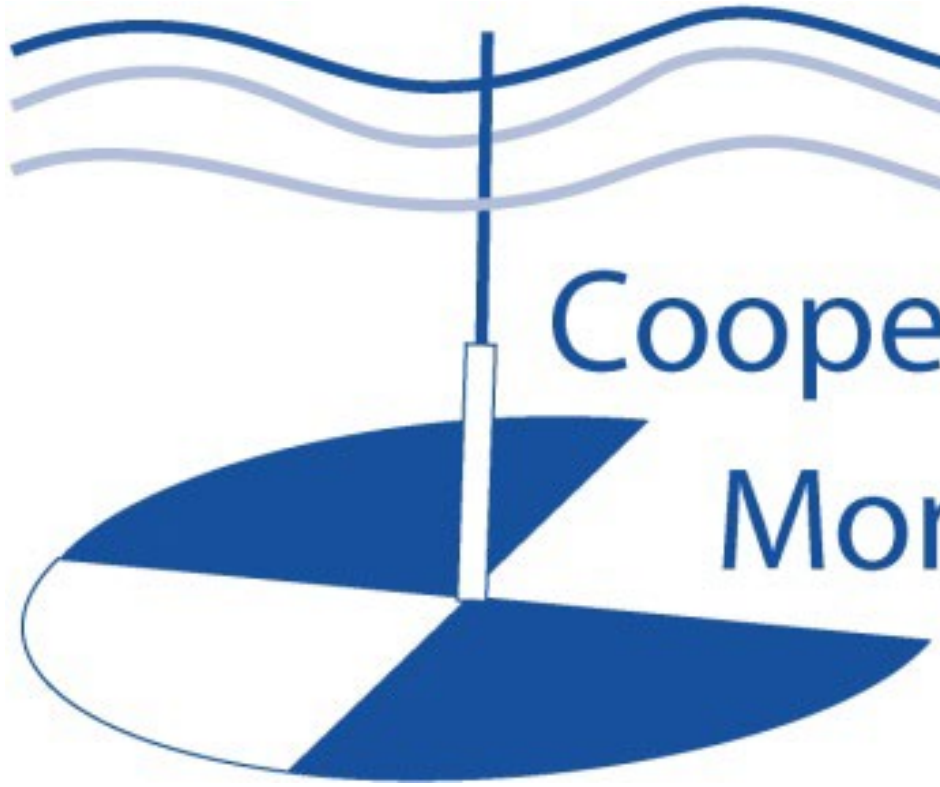
Michigan Clean Water Corps



Cooperative Lakes Monitoring Program

2025 Summer Check-In

Jo Latimore

MiCorps Director

517-432-1491

latimor1@msu.edu

Erick Elgin

CLMP Lake Program Manager

218-340-5731

elgineri@msu.edu

Summer Monitoring Schedule

- **Secchi**: Minimum every other week throughout summer
- **Summer Phosphorus**: Once during August or September
- **Chlorophyll**: Once per month (UP lakes a little different)
- **DO/ Temp**: Every other week throughout summer
- **EAPW**: Anytime during the summer
- **Score the Shore**: Anytime during the summer
- **Aquatic Plant Mapping**: Anytime during summer

Summer Sampling Schedule

- Summer sampling dates for total phosphorus and the final chlorophyll sample are different depending on your county
- Check out the Summer schedules on the MiCorps.net

Michigan Clean Water Corps

SUMMER PHOSPHORUS
2025 Sample Collection
and Turn-in Schedule

Cooperative Lakes Monitoring Program

Summer Phosphorus samples must be collected within your 5-day sampling window and turned in (frozen) between **8 am – Noon** on the date and location listed for your county in the table below. Call the appropriate phone number below if other arrangements must be made (phone numbers to be determined at a later date).

COUNTY	*TURN-IN ADDRESS (EGLE unless noted otherwise)*	*SAMPLING DATES*	*TURN-IN DATES*
Allegan, Kalamazoo, Barry, Van Buren, Berrien, Cass, St. Joseph	EGLE Kalamazoo District Office 7953 Adobe Road Kalamazoo, MI 48909 Deana Mercs: 269-330-8571	Sept 18-22	8 am-Noon September 23
Calhoun, Jackson, Washtenaw, Branch, Hillsdale, Lenawee	EGLE Jackson District Office 301 E. Louis B. Glick Hwy. Jackson, MI 49201 Brittany Santure 517-740-6504	Sept 18-22	8 am-Noon September 23
St. Clair, Macomb, Oakland, Wayne, Monroe	EGLE Warren District Office 27700 Donald Court Warren, MI 48092 Jack Catrone 248-763-1994	Sept 18-22	8 am-Noon September 23

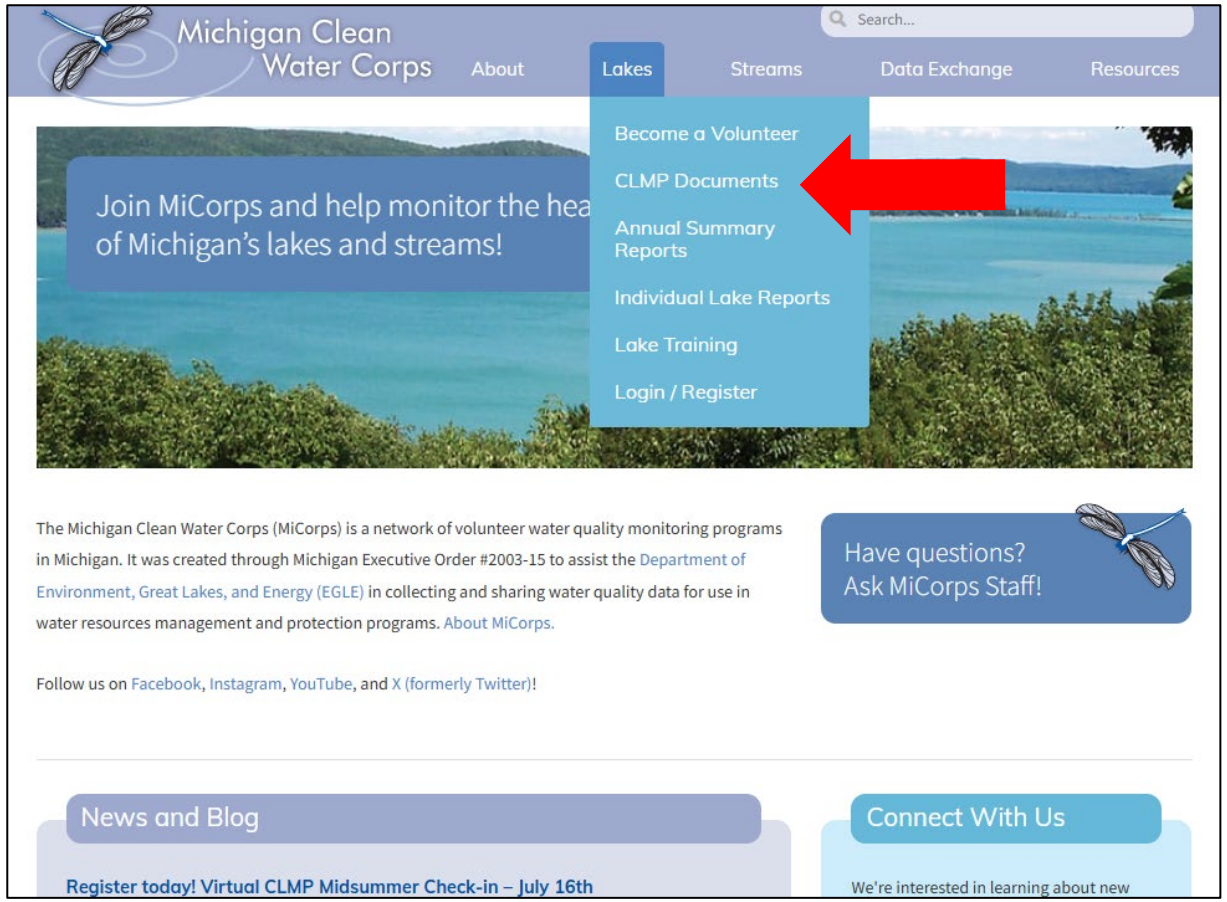
Michigan Clean Water Corps

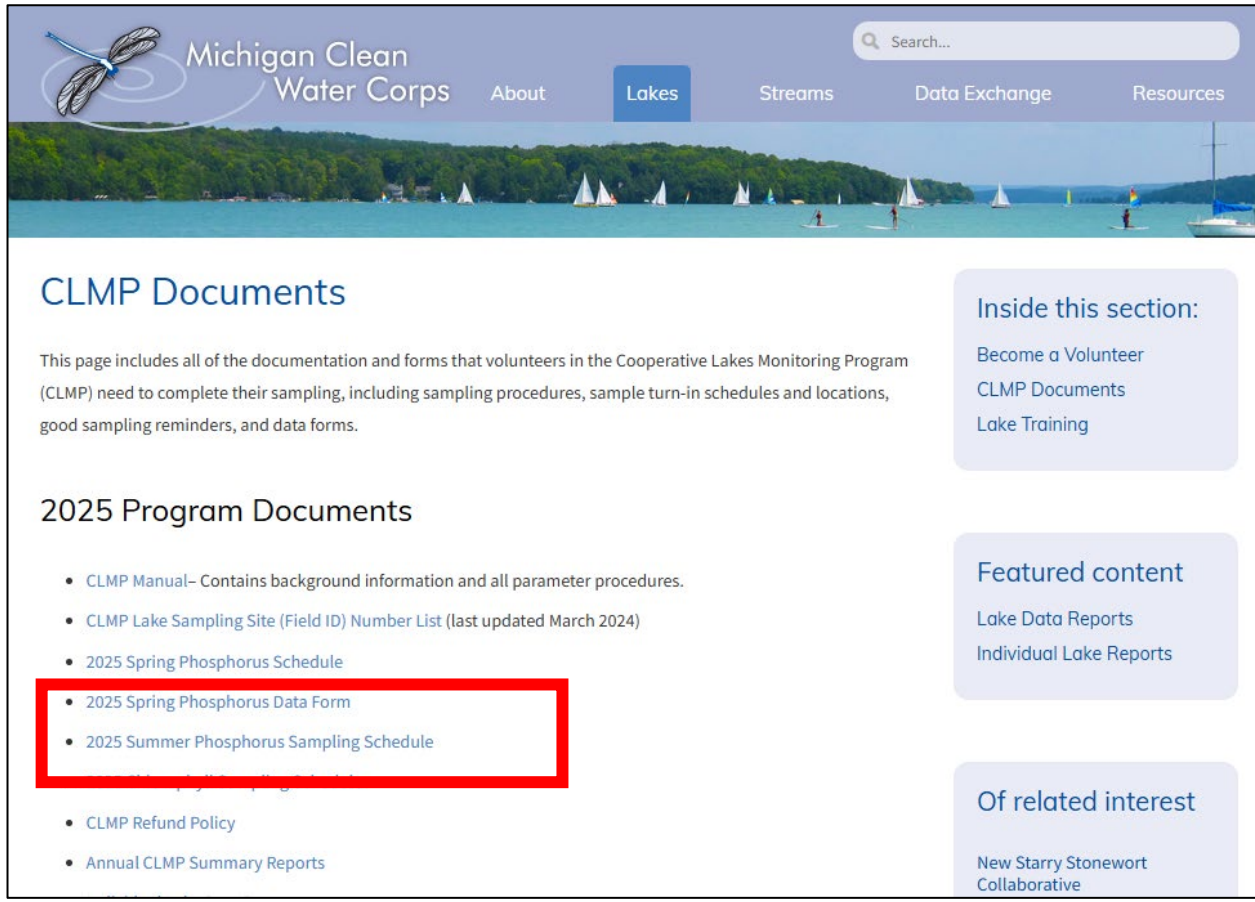
CHLOROPHYLL
2025 Sample Collection
and Turn-in Schedule

Cooperative Lakes Monitoring Program

COUNTY	*TURN-IN ADDRESS (EGLE unless noted otherwise)*	*SAMPLING DATES*	*TURN-IN DATES*
Allegan, Kalamazoo, Barry, Van Buren, Berrien, Cass, St. Joseph	EGLE Kalamazoo District Office 7953 Adobe Road Kalamazoo, MI 48909 Deana Mercs: 269-330-8571	Sample #1 May 10-20 Sample #2 June 10-20 Sample #3 July 10-20 Sample #4 Aug 10-20 Sample #5 Sept 18-22	8 am-Noon June 24 8 am-Noon September 23
Calhoun, Jackson, Washtenaw, Branch, Hillsdale, Lenawee	EGLE Jackson District Office 301 E. Louis B. Glick Hwy. Jackson, MI 49201 Brittany Santure 517-740-6504	Sample #1 May 10-20 Sample #2 June 10-20 Sample #3 July 10-20 Sample #4 Aug 10-20 Sample #5 Sept 18-22	8 am-Noon June 24 8 am-Noon September 23
St. Clair, Macomb, Oakland, Wayne, Monroe	EGLE Warren District Office 27700 Donald Court Warren, MI 48092 Jack Cotrone: 248-763-1994	Sample #1 May 10-20 Sample #2 June 10-20 Sample #3 July 10-20 Sample #4 Aug 10-20 Sample #5 Sept 18-22	8 am-Noon June 24 8 am-Noon September 23

Summer Sampling Schedule



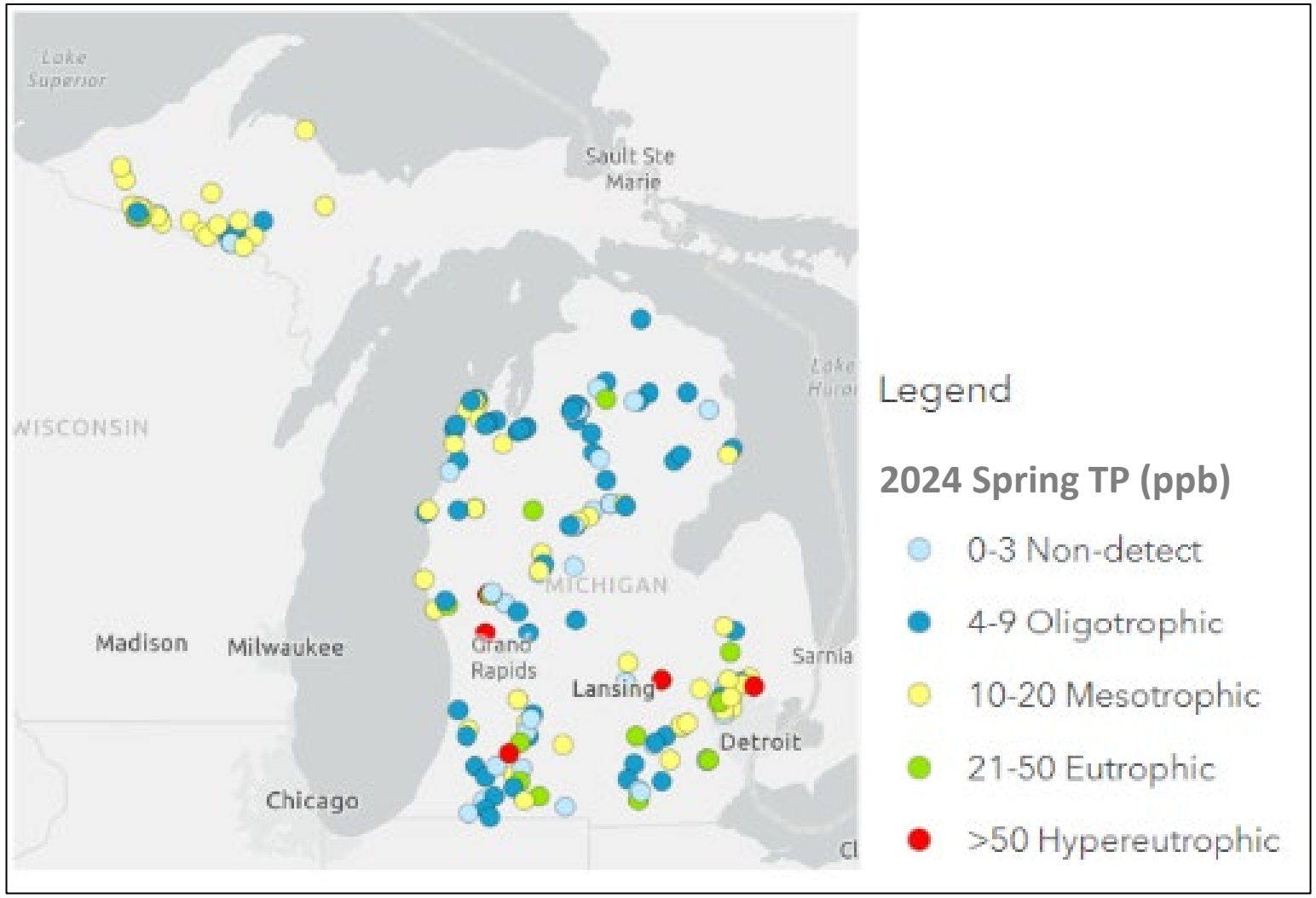


Sample Drop off between 8-Noon

Except for: Ontonagon, Gogebic, Houghton, Keweenaw, Baraga, which is 8- 10 am

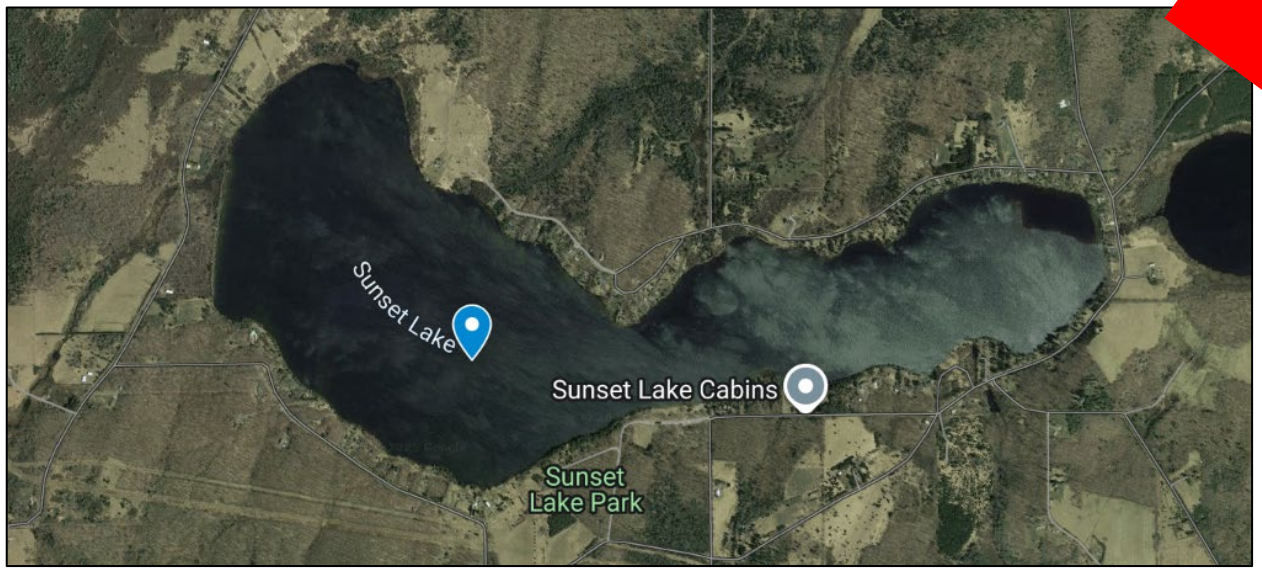
- If the date and time does not work for you:
  - Contact me or Tamara Lipsey
  - Reach out to your drop off location to see if you can drop them off early
- Feel free to coordinate with neighbor lakes for drop off
- You can always contact the CLMP Team to help with logistics

Spring Phosphorus results will be available later in summer



Sampling location and Field ID

Field ID	Lake Name	County	Latitude	Longitude
270046	1000 Island	Gogebic	45.225281	-89.39917
380529	Ackerson	Jackson	42.186969	-84.349984
410685	Ada Impoundment (Thornapple River)	Kent	42.95028	-85.48579
780261	Aginaw	Shiawassee	42.82518	-84.04965
080077	Algonquin	Barry	42.67667	-85.32167
080078	Algonquin	Barry	42.676392	-85.332226
080079	Algonquin	Barry	42.677504	-85.338337
100005	Allegan	Allegan	42.5514991	-85.9443122
270207	Allen	Gogebic	46.225286	-89.173437
460437	Allen	Lenawee	42.0587	-84.1842
520203	Anderson	Marquette	46.22248	-87.4921
631121	Angela	Oakland	42.48587	-83.61522
631227	Angelus	Oakland	42.69387	-83.32965



CLMP Documents

This page includes all of the documentation and forms that volunteers in the Cooperative L
(CLMP) need to complete their sampling, including sampling procedures, sample turn-in sc
good sampling reminders, and data forms.

2025 Program Documents

- CLMP Manual– Contains background information and all parameter procedures.
- CLMP Lake Sampling Site (Field ID) Number List (last updated March 2024)
- 2025 Spring Phosphorus Schedule
- 2025 Spring Phosphorus Data Form
- 2025 Summer Phosphorus Sampling Schedule

Enroll all summer in EAPW and Score the Shore

Hydrilla detected in Berrien County MI

Waived fee for Berrien, Cass, and Van Buren Counties

State of Michigan (.gov)

First Michigan detection of invasive hydrilla triggers response

Hydrilla, considered one of the world's most invasive aquatic plants, has been detected for the first time in Michigan.

Oct 2, 2023

Michigan State University

Invasive hydrilla, a “monster aquatic weed,” discovered for the first time in Michigan waters

The Michigan Invasive Species Program (MISP) announced Monday that hydrilla (Hydrilla verticillata), a highly invasive aquatic plant, has been...

Oct 3, 2023

FOX 2 Detroit

Invasive hydrilla in Michigan a major threat to state's water bodies and economy

It's considered one of the world's most invasive plants and officials are so worried about it's arrival they are digging up the ponds where...

May 27, 2024

The Detroit News

Invasive aquatic plant discovered in Michigan

Hydrilla, one of the world's most invasive aquatic plants, was discovered for the first time in Michigan, state environmental officials said...

Oct 2, 2023

MLive.com

Hydrilla found in Michigan: ‘The aquatic plant we didn’t want here’

Hydrilla, which state experts call one of the “world's most invasive aquatic plants,” was found in two residential ponds last month in Berrien...

EAPW Watch List Species

Hydrilla (*Hydrilla verticillata)*

- **Whorls of 4-8 leaves** around the stem
- **Serrated** leaf edge
- **Teeth are also produced underneath the leaf**, along the midvein

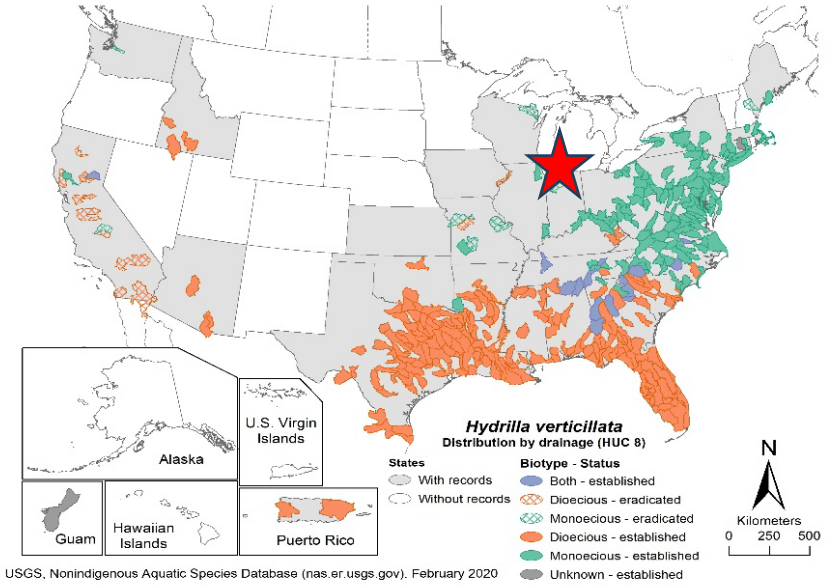


Illustration by Bruce Kerr

This is not Hydrilla

Plant Identification Photography

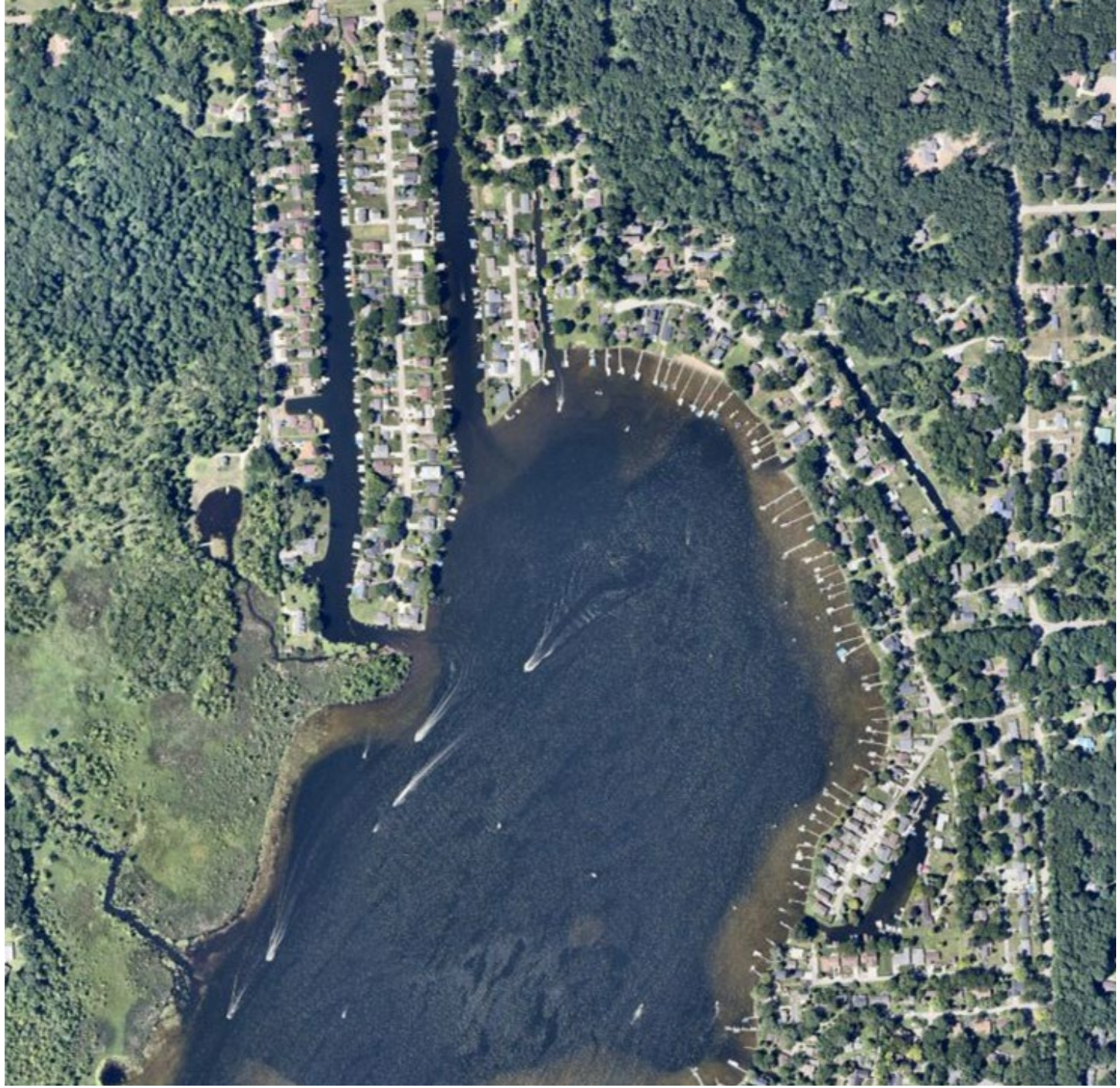
- **Required Photographs:**
  - At minimum, **one** representative photo of each invasive species found in your lake
- Label photos
- Make sure the photos are clear
  - ***Need to show identifying characters***
- Great for ID verification and documentation

Portage Lake, Livingston Co.

1938

↓

2022



Enroll in Score the Shore today!

EGLE

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Include *Assisting Volunteers* in communications and make sure everyone is trained

Secchi Disk Transparency

- Recorded presentation
- Copy of presentation – PDF

Total Phosphorus – Spring and Summer

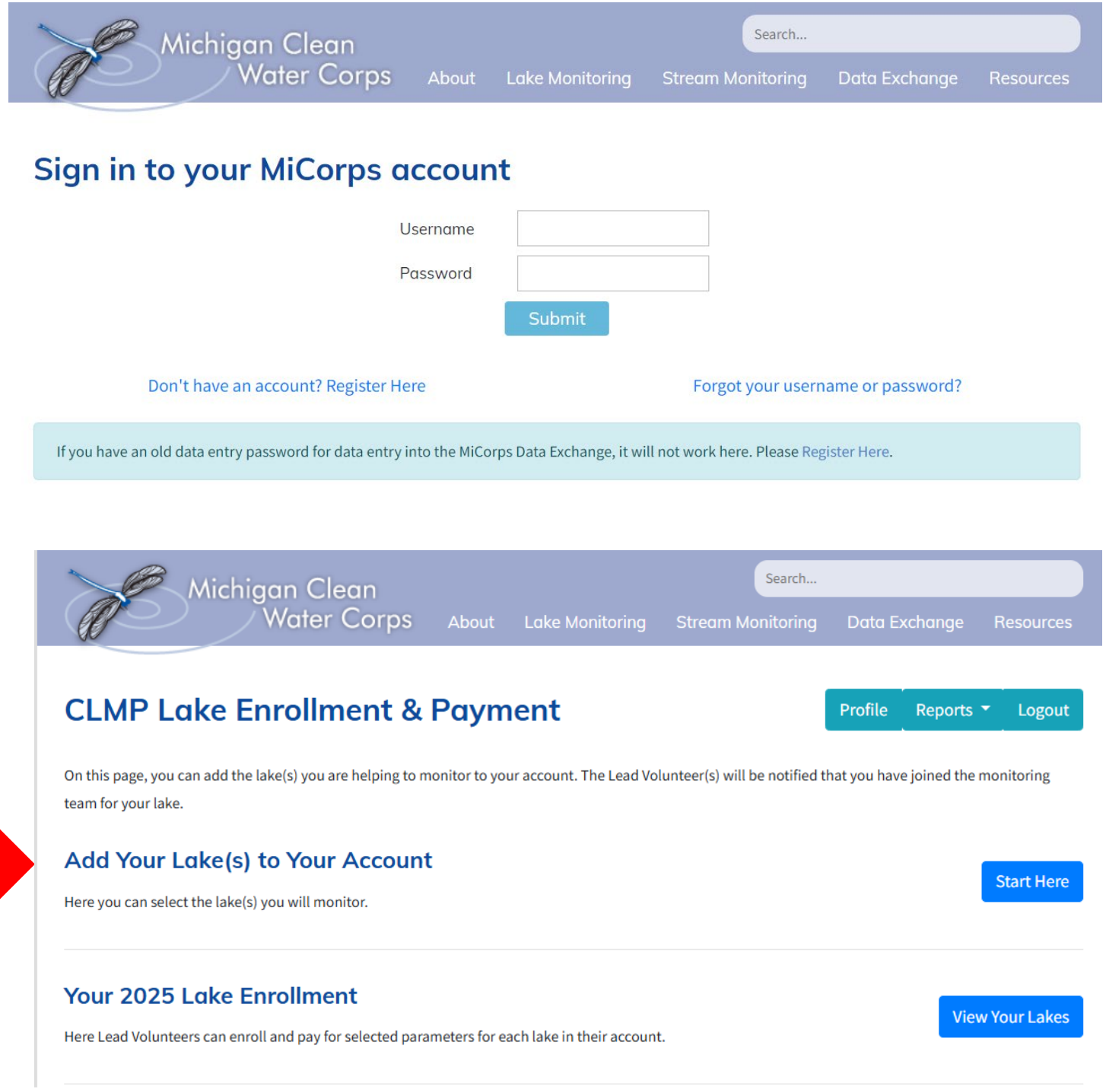
- Recorded presentation
- Copy of presentation – PDF

Chlorophyll (algae)

- Recorded presentation
- Copy of presentation – PDF

Assisting Volunteers: Make sure to add your lake to your account

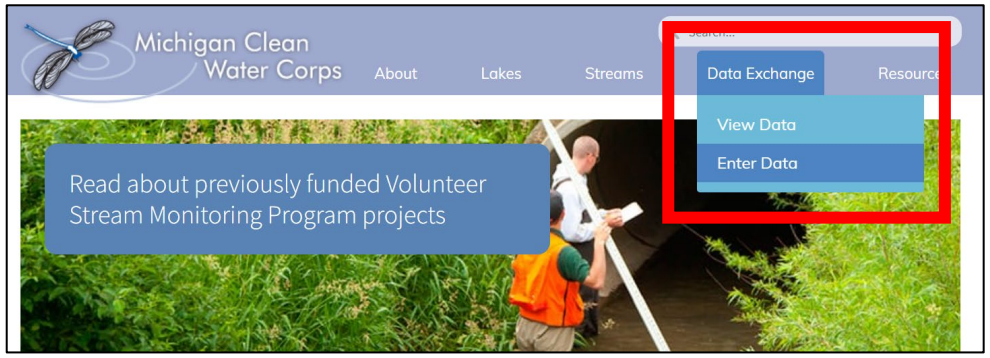
Step 1: Sign into your account
Step 2: Add your lake to your account



How to *enter* your data

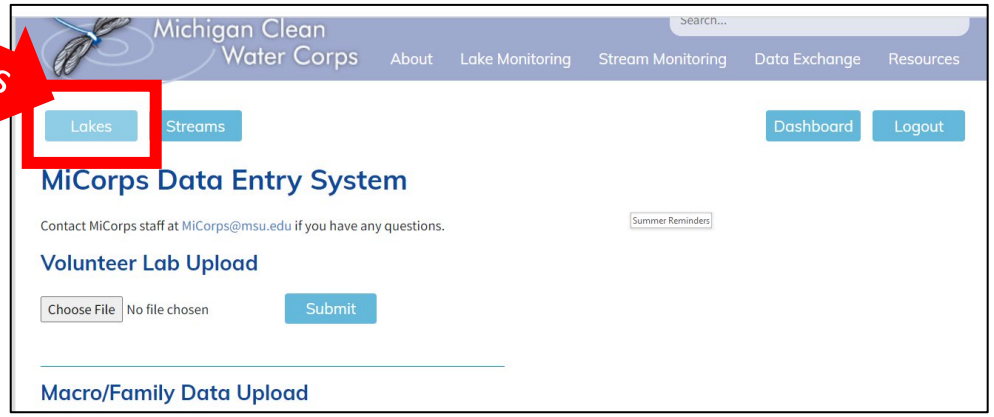
Enter data by October 31st

Step 1

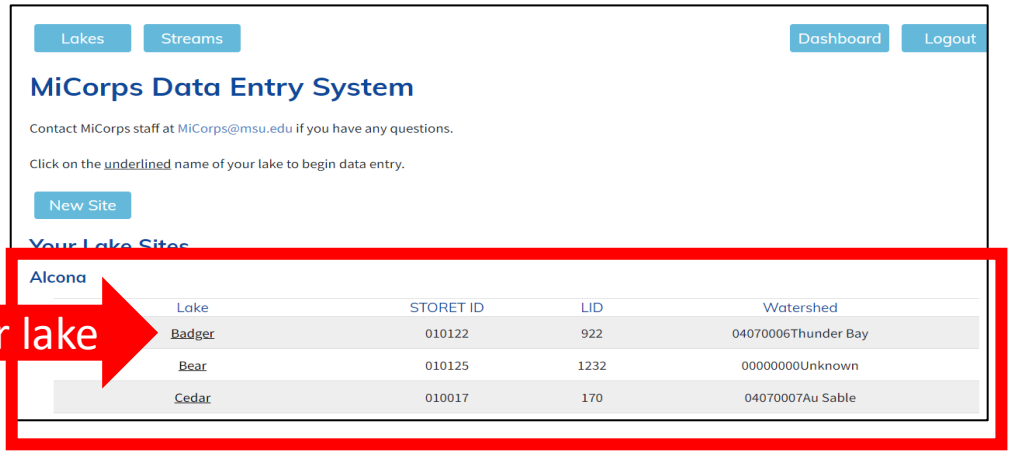


Click lakes

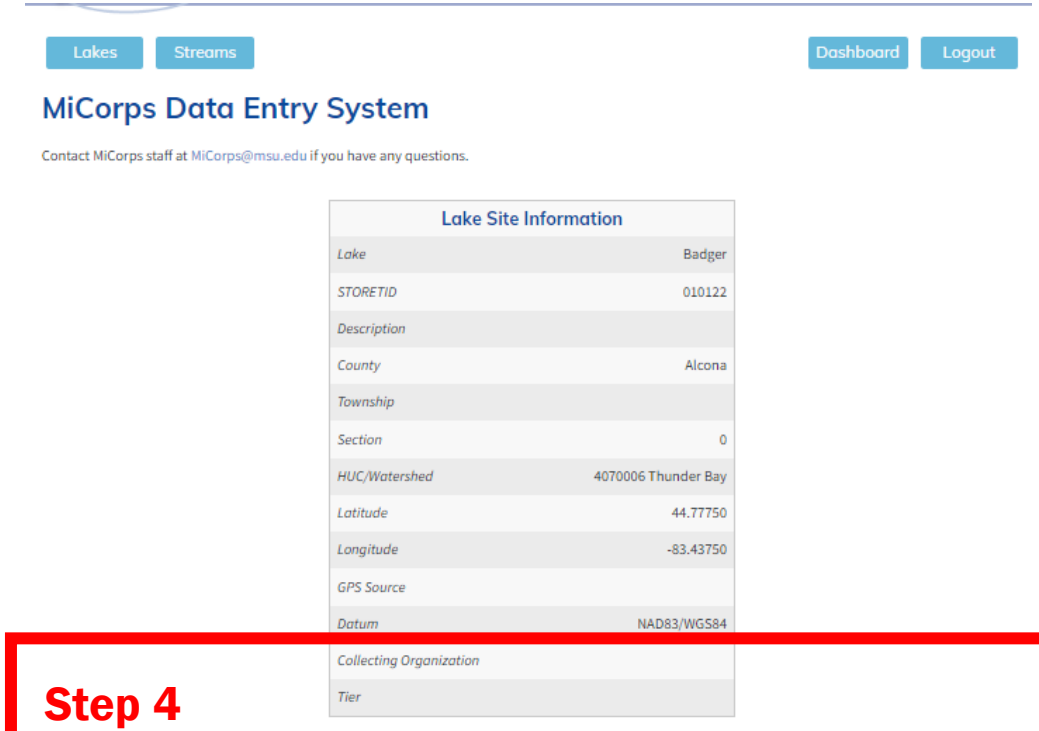
Step 2



Step 3



Click your lake



Step 4

Tier 1 Data: Generated under Micorps QAPP.

Tier 2 or 3 Data: Follow the Collecting Organization link (above) to view the QAPP or SOPs (monitoring protocols) that were utilized in the collection of this data.

More information on the Macro three-tiered data classification system is available here

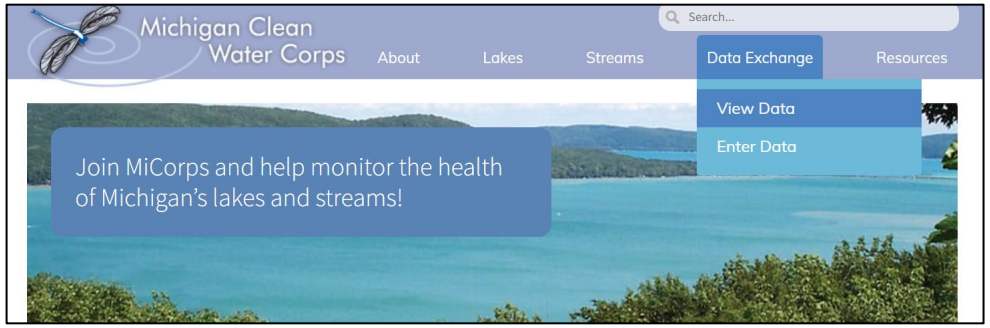
Enter a New Sample

Click a button to enter information from the corresponding data sheet. You will be given a chance to return to this page if you would like to enter more data.

Secchi | Phosphorus | Chlorophyll | Dissolved Oxygen and Temperature | Exotic Aquatic Plant Watch | Plant Mapping | Score The Shore

How to *check* your data in our database

Step 1



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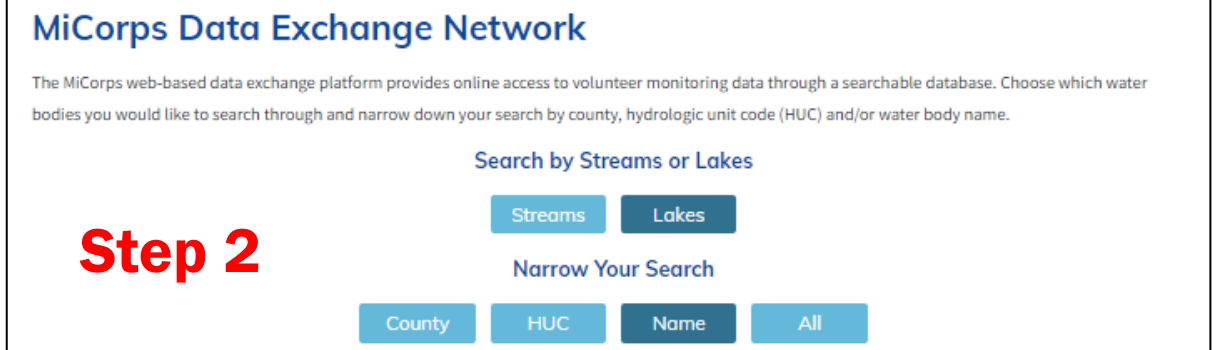
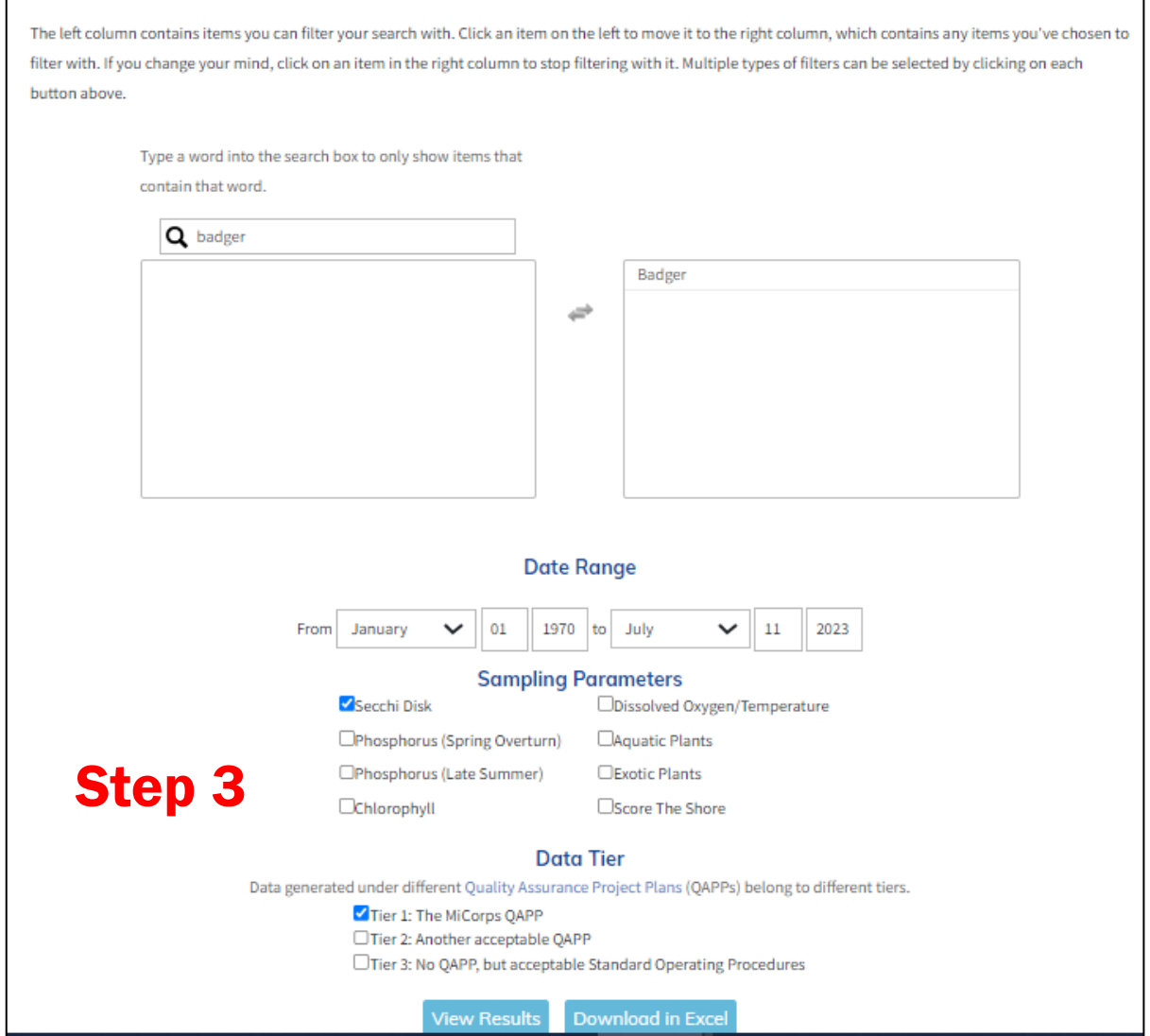
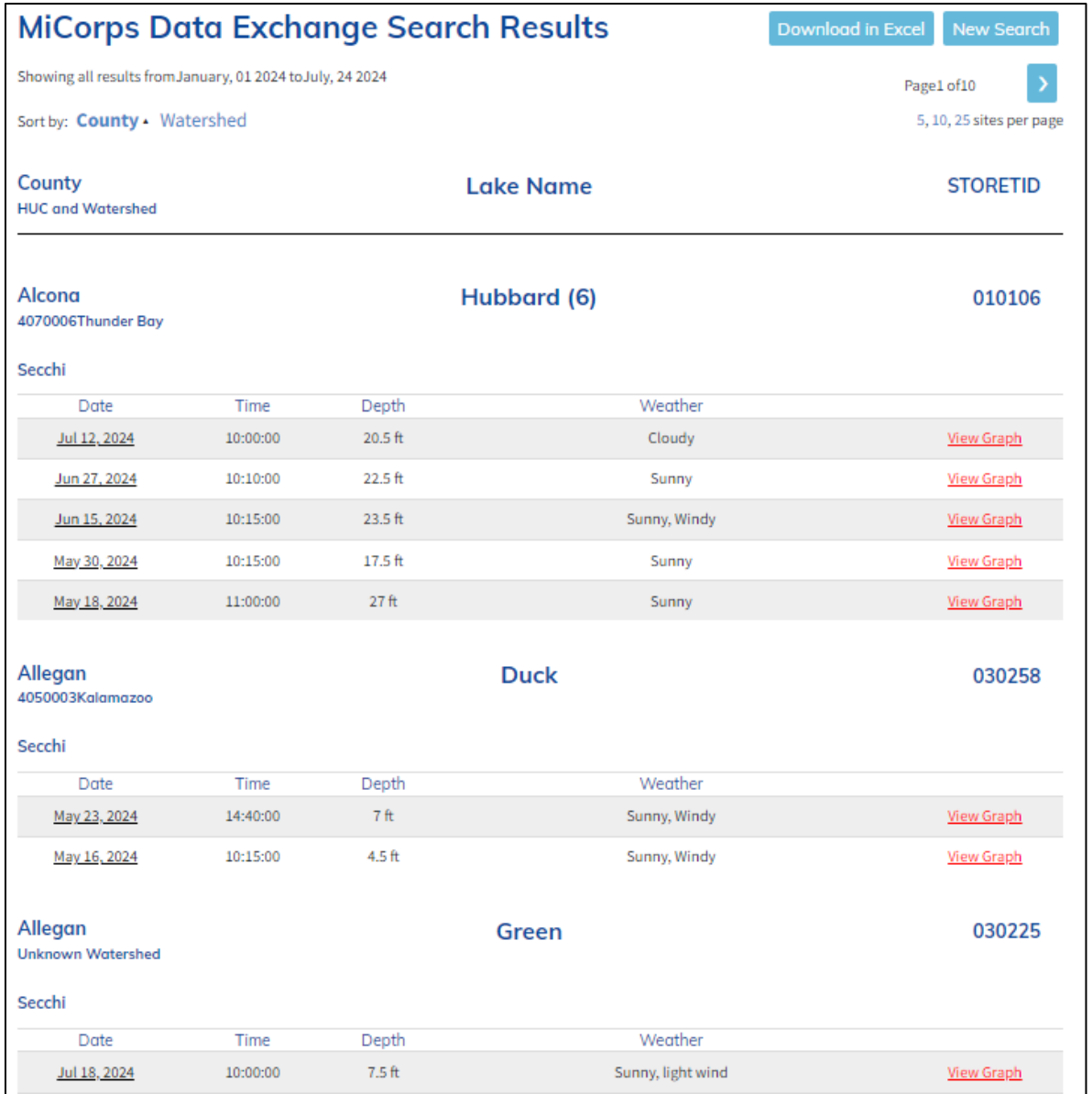


Step 3



How to *check* your data

Step 4



MiCorps Data Exchange Search Results

Download in Excel | New Search

Showing all results from January, 01 2024 to July, 24 2024

Page 1 of 10 ›

Sort by: **County** ▲ Watershed

5, 10, 25 sites per page

County HUC and Watershed	Lake Name	STORETID
Alcona 4070006 Thunder Bay	Hubbard (6)	010106

Secchi

Date	Time	Depth	Weather	
Jul 12, 2024	10:00:00	20.5 ft	Cloudy	View Graph
Jun 27, 2024	10:10:00	22.5 ft	Sunny	View Graph
Jun 15, 2024	10:15:00	23.5 ft	Sunny, Windy	View Graph
May 30, 2024	10:15:00	17.5 ft	Sunny	View Graph
May 18, 2024	11:00:00	27 ft	Sunny	View Graph

Allegan 4050003 Kalamazoo	Duck	030258

Secchi

Date	Time	Depth	Weather	
May 23, 2024	14:40:00	7 ft	Sunny, Windy	View Graph
May 16, 2024	10:15:00	4.5 ft	Sunny, Windy	View Graph

Allegan Unknown Watershed	Green	030225

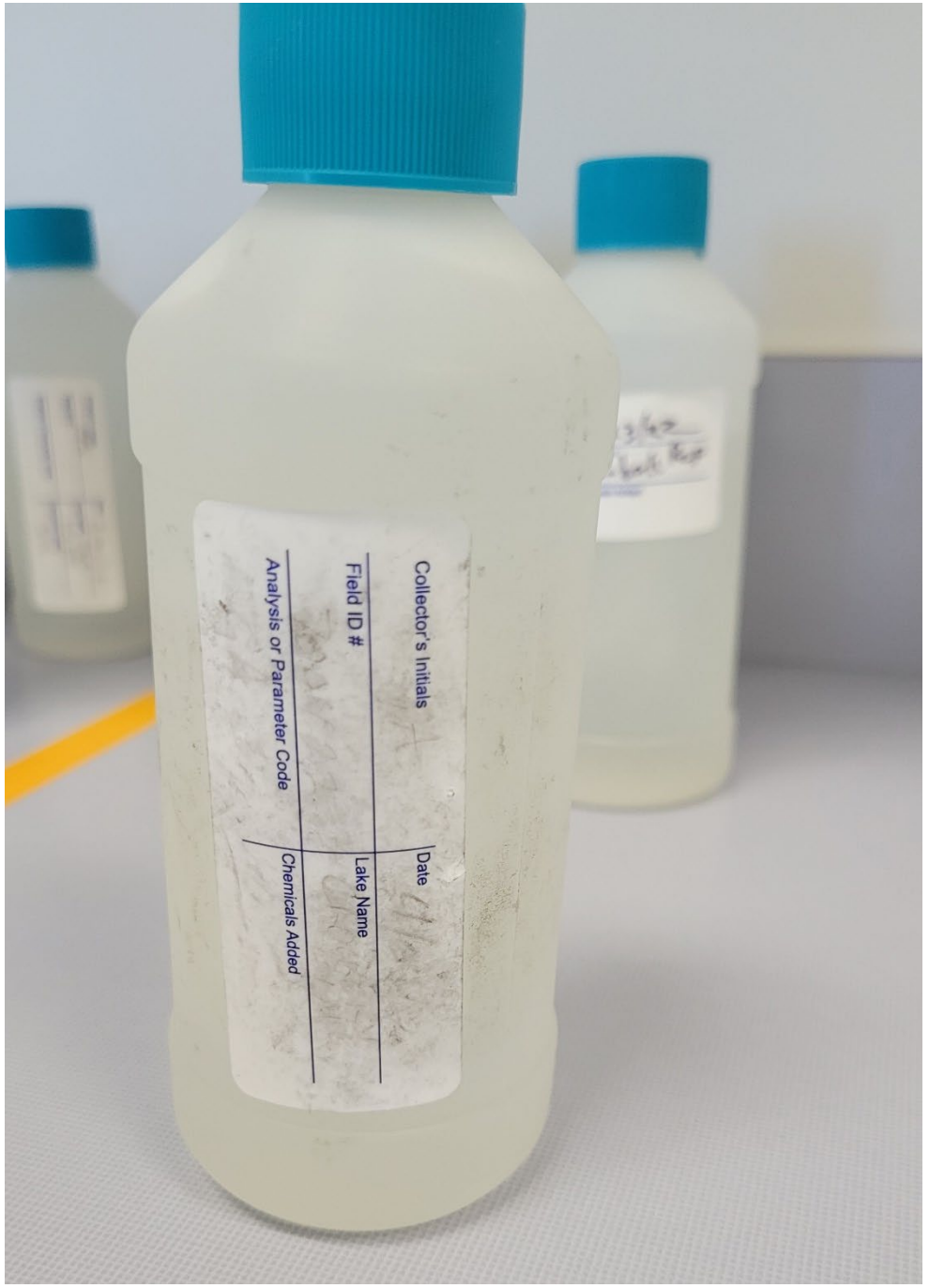
Secchi

Date	Time	Depth	Weather	
Jul 18, 2024	10:00:00	7.5 ft	Sunny, light wind	View Graph

Keep your sample clean

Use a pencil
or waterproof
pen or marker

Note: Summer P bottles are being sent as we speak

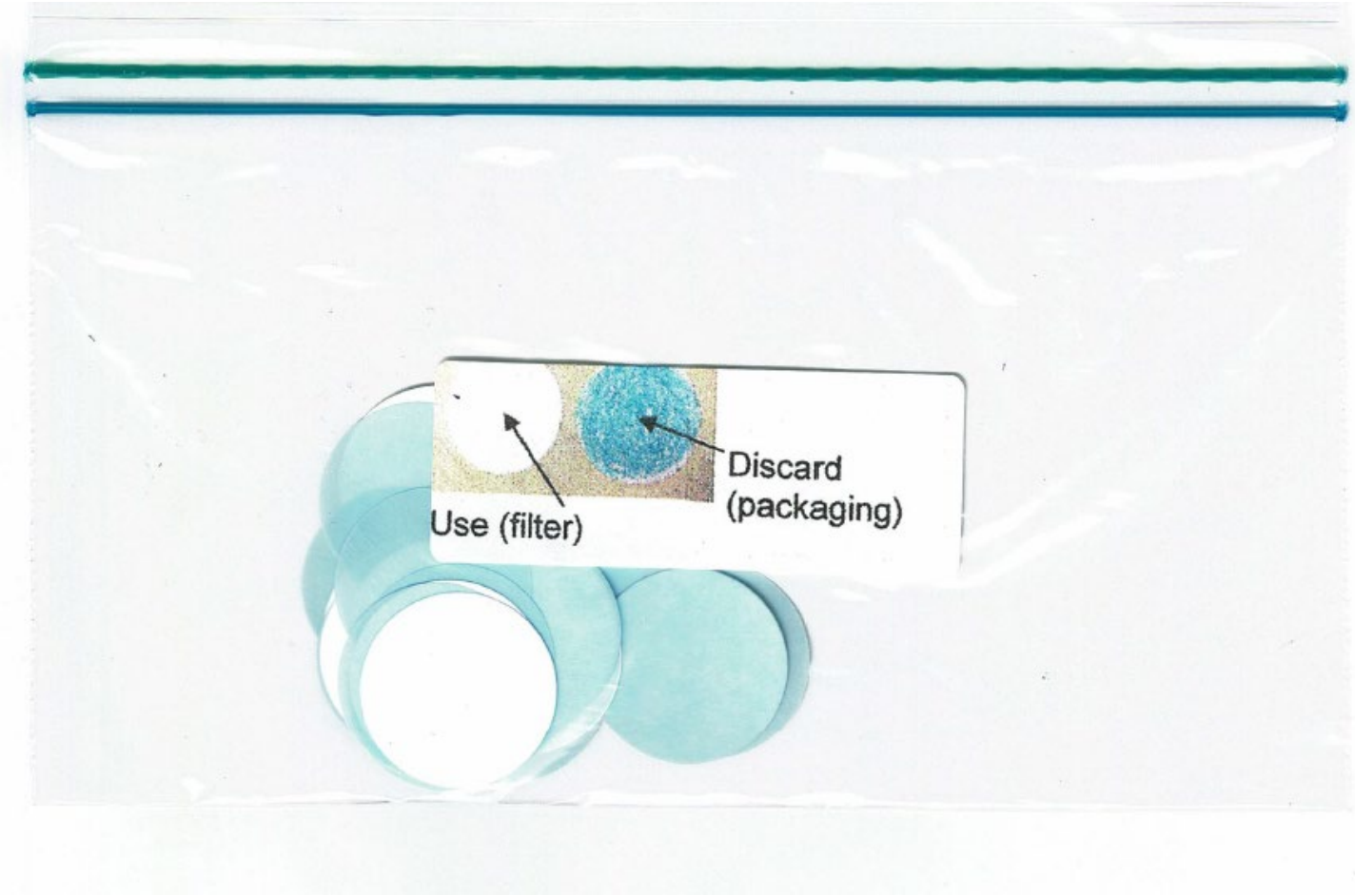


Chlorophyll Filters

Blue = BAD

Separator sheets look like tissue paper.

The good filters are solid white, “plastic” looking



Chlorophyll:
Slow down the Squeeze

Chlorophyll degrades when exposed to light - Make sure to wrap your sample in foil

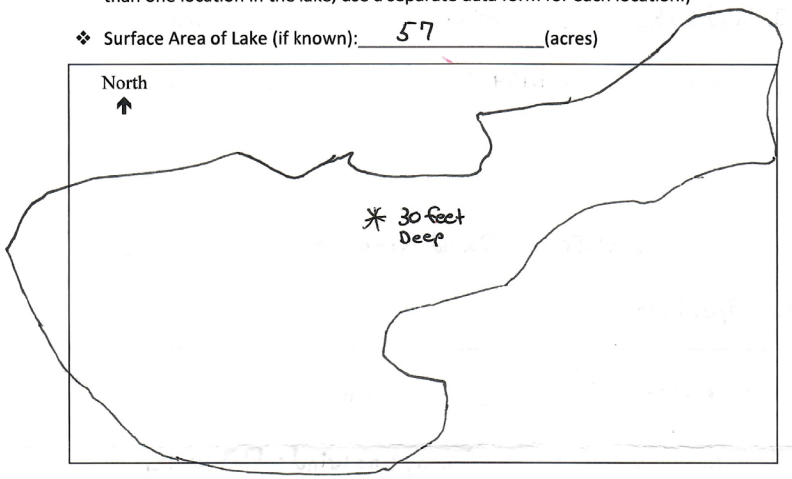
No need to wrap P bottles in foil, though!

Data Forms

- Important to fill everything out
  - Both sides!
- Map is important for quality control
- Submit copies to us.

Lake Name, County, and Field ID number: Island Lake, Gladwin County; ID-260134

- In the box below, draw an outline of your lake (i.e., lake map). Or attach a copy of a lake map.
- On the lake map, mark your total phosphorus sampling location (this should be at the deepest location in your lake) and write the LAKE DEPTH at this location. (**Note**: If you sample at more than one location in the lake, use a separate data form for each location.)
- Surface Area of Lake (if known): 57 (acres)



DATA ENTRY

If you can, please enter your data into the MiCorps Data Exchange by October 31st.

DATA SHEET TURN-IN PROTOCOL

Please do the following:

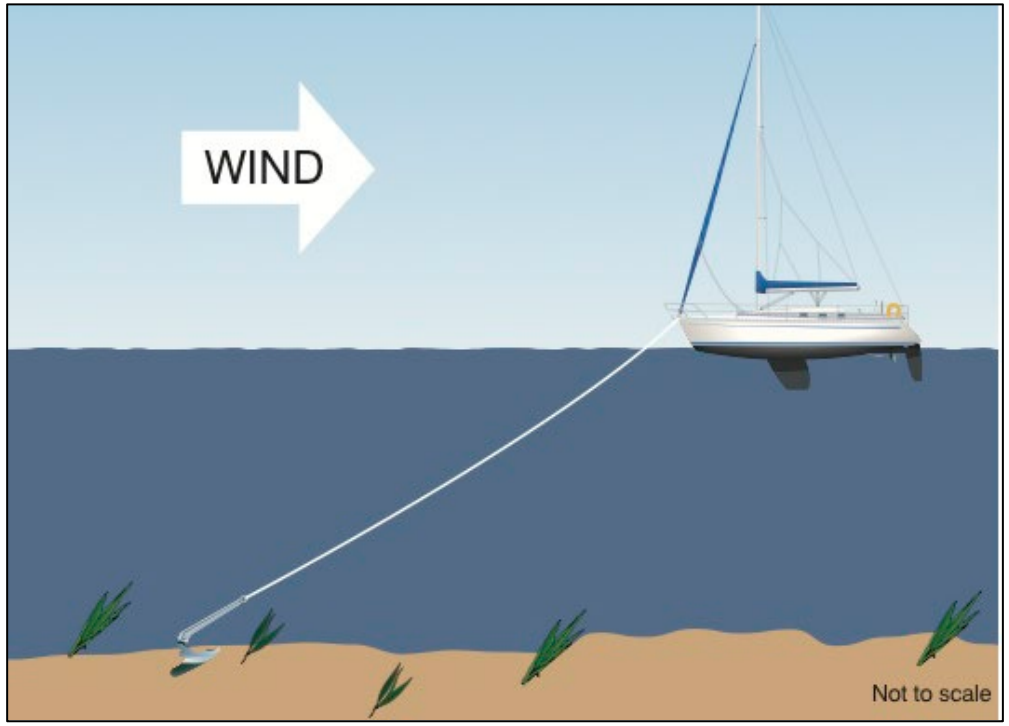
(1) Make a copy of your field data sheets to keep for your records
(2) Put **one copy** in a baggie to keep it dry
(3) Deliver the frozen total phosphorus samples together with the data sheet copy to the designated drop-off location on the designated turn-in date (according to the Spring Phosphorus Sampling Schedule).

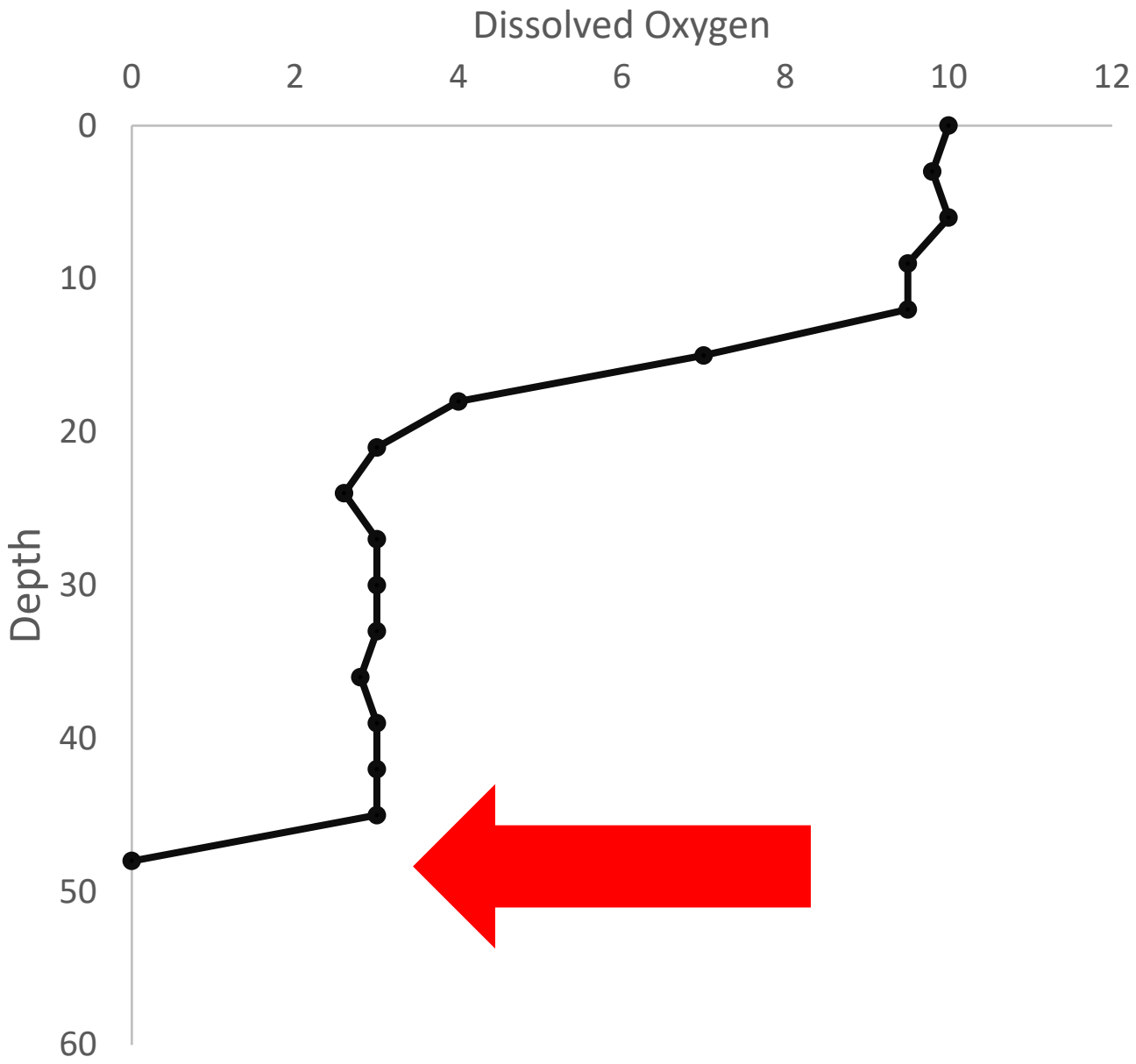
Dissolved Oxygen (DO) Reminders

- Turn on meters 15 minutes prior to calibrating
- Keep sponge in calibration chamber wet, but no standing water
- Make sure reading mg/L not % Saturation and in °C
- Be nice to the cable
- Keep case open after use to dry out

Temperature and Dissolved Oxygen

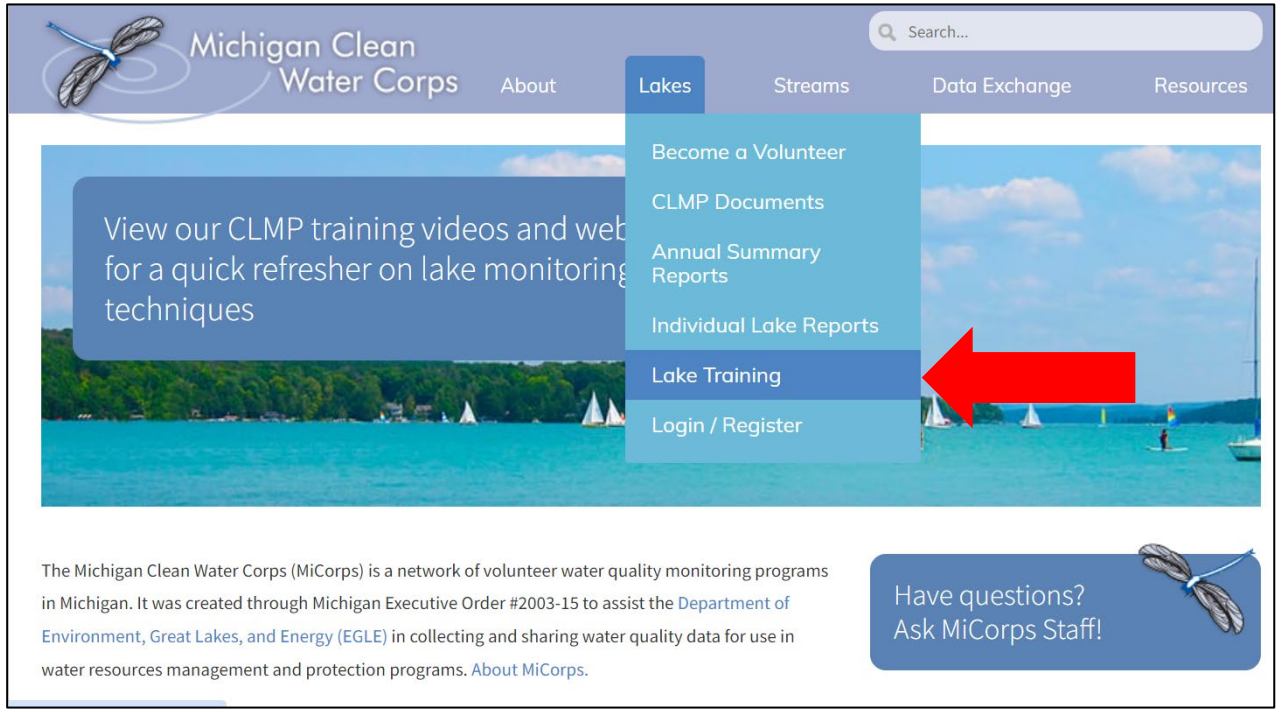
- Watch for drift and bottom reading
- Anchoring is important
- Check depth before proceeding with measurements

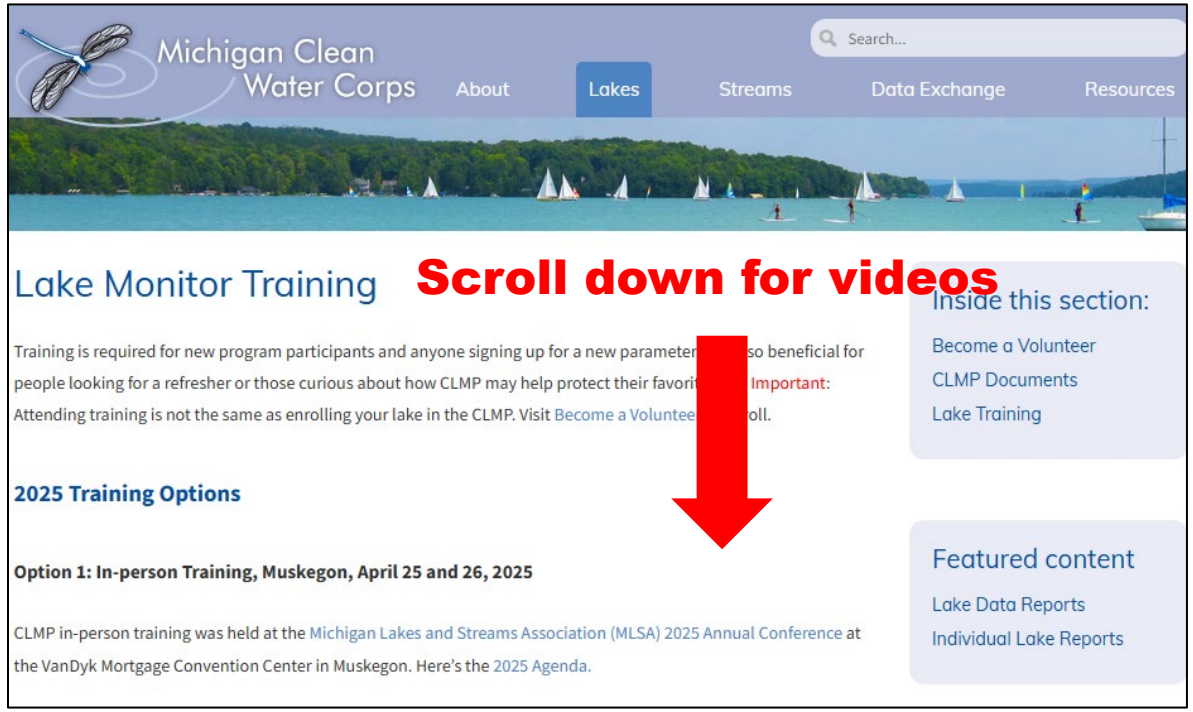




From where do you measure Secchi?

Need a refresher? Training Videos





Thank you!

- 101 people joined the project.

Most commonly reported species:

1. Eurasian watermilfoil
2. Phragmites
3. Narrow-leaved cattail
4. Zebra mussel
5. Curly-leaf pondweed
6. Chinese mystery snail
7. Purple loosestrife

Summary report coming soon!

MiCorps AIS Detection Blitz

Help Track Aquatic Invasive Species – Just Snap & Upload!

June 28th-July 6th 2025

During the MiCorps AIS Detection Blitz, anyone enjoying Michigan's lakes and rivers can contribute to a statewide effort - just by snapping and uploading photos to iNaturalist!

How to Participate: Download the free iNaturalist app, create an account, then join the "MiCorps AIS Detection Blitz" project to upload your photos between June 28 and July 6.

Questions?

MiCorps@msu.edu