

Michigan Clean
Water Corps



Cooperative Lakes
Monitoring Program

**2025 Summer
Check-In**



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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](https://www.micorps.net)



SUMMER PHOSPHORUS 2025 Sample Collection and Turn-in Schedule



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




CHLOROPHYLL 2025 Sample Collection and Turn-in Schedule



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



Michigan Clean Water Corps

About Lakes Streams Data Exchange Resources

Join MiCorps and help monitor the health of Michigan's lakes and streams!

Become a Volunteer
CLMP Documents
Annual Summary Reports
Individual Lake Reports
Lake Training
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The Michigan Clean Water Corps (MiCorps) is a network of volunteer water quality monitoring programs in Michigan. It was created through Michigan Executive Order #2003-15 to assist the Department of Environment, Great Lakes, and Energy (EGLE) in collecting and sharing water quality data for use in water resources management and protection programs. [About MiCorps](#).


Follow us on Facebook, Instagram, YouTube, and X (formerly Twitter)!

News and Blog

Connect With Us

Register today! Virtual CLMP Midsummer Check-in – July 16th

Have questions? Ask MiCorps Staff!



Michigan Clean Water Corps

About Lakes Streams Data Exchange Resources

CLMP Documents

This page includes all of the documentation and forms that volunteers in the Cooperative Lakes Monitoring Program (CLMP) need to complete their sampling, including sampling procedures, sample turn-in schedules and locations, 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
- CLMP Refund Policy
- Annual CLMP Summary Reports

Inside this section:

- Become a Volunteer
- CLMP Documents
- Lake Training

Featured content

- Lake Data Reports
- Individual Lake Reports

Of related interest

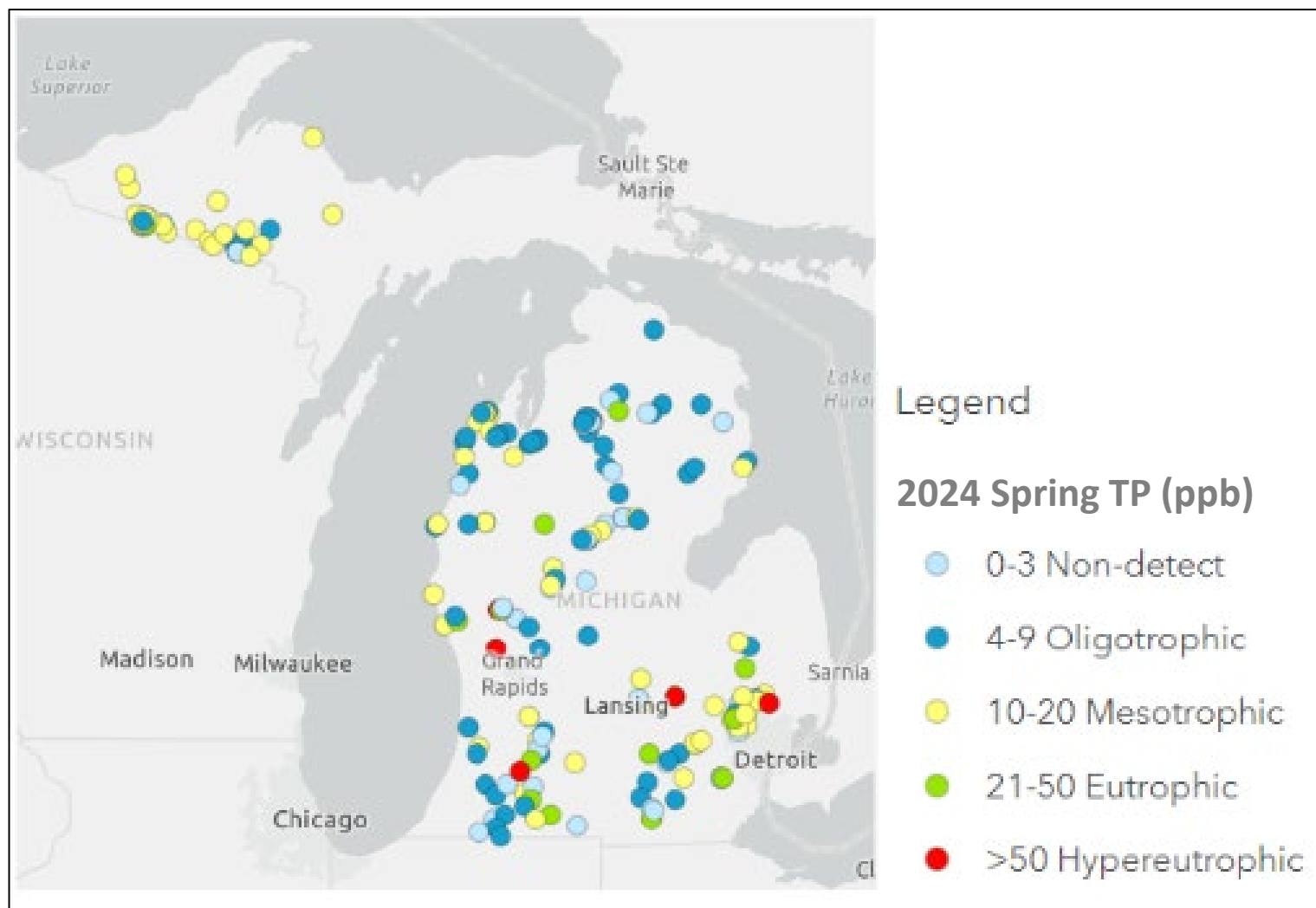
- New Starry Stonewort Collaborative

Sample Drop off between 8-Noon

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

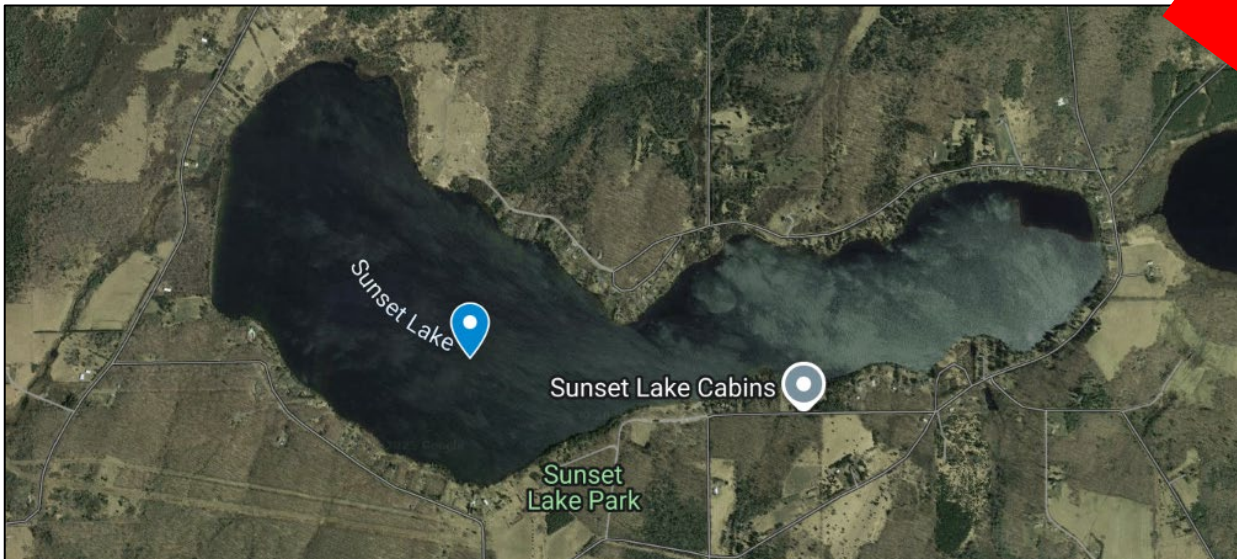
- If the date and time does not work for you:
 - Contact me or Tamara Lipsey
 - Reach out to your drop off location to see if you can drop them off early
- Feel free to coordinate with neighbor lakes for drop off
- You can always contact the CLMP Team to help with logistics

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	-83.22965



Michigan Clean
Water Corps

About Lakes

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- [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 its 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

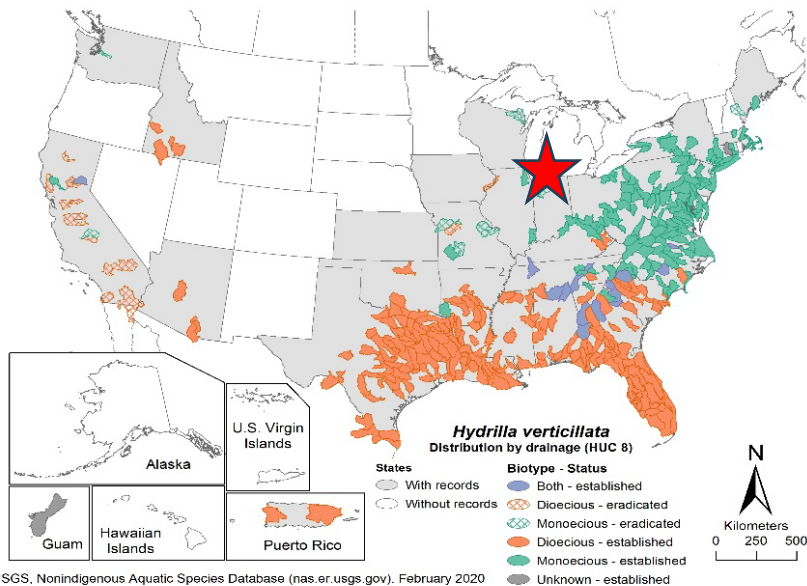


Illustration by Bruce Kerr

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



Michigan Clean Water CorpsSearch...AboutLake MonitoringStream MonitoringData ExchangeResources

Sign in to your MiCorps account

Username

Password

Submit

Don't have an account? Register HereForgot your username or password?

If you have an old data entry password for data entry into the MiCorps Data Exchange, it will not work here. Please Register Here.

Michigan Clean Water CorpsSearch...AboutLake MonitoringStream MonitoringData ExchangeResources

CLMP Lake Enrollment & Payment

ProfileReports ▼Logout

On this page, you can add the lake(s) you are helping to monitor to your account. The Lead Volunteer(s) will be notified that you have joined the monitoring team for your lake.

Add Your Lake(s) to Your Account

Here you can select the lake(s) you will monitor.

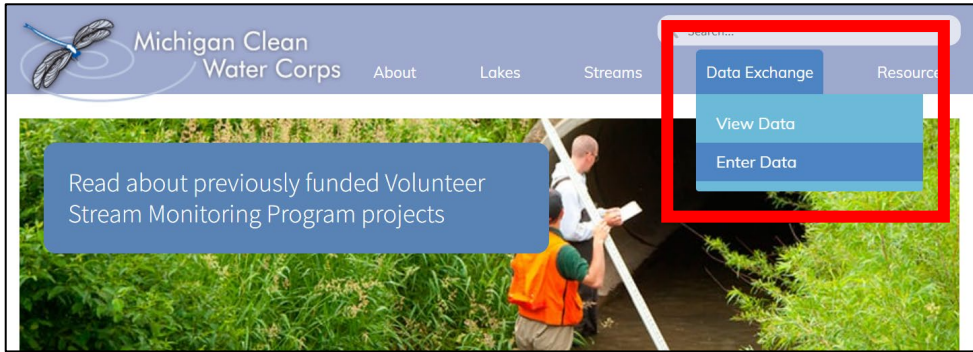
Start Here

Your 2025 Lake Enrollment

Here Lead Volunteers can enroll and pay for selected parameters for each lake in their account.

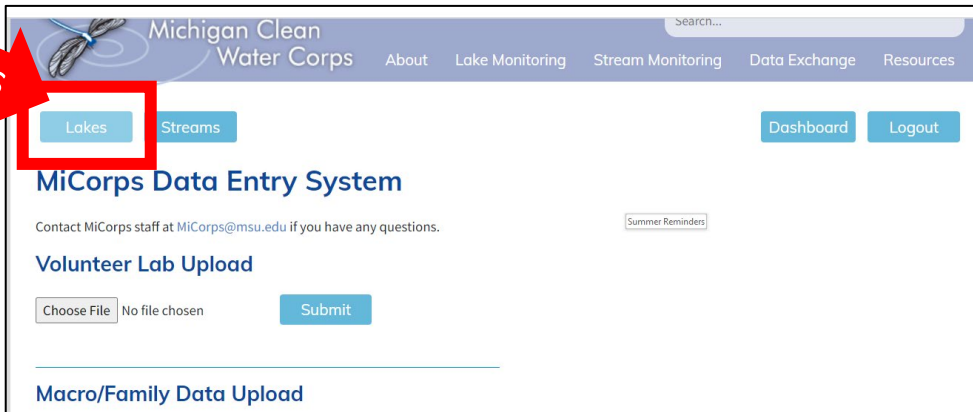
View Your Lakes

Step 1



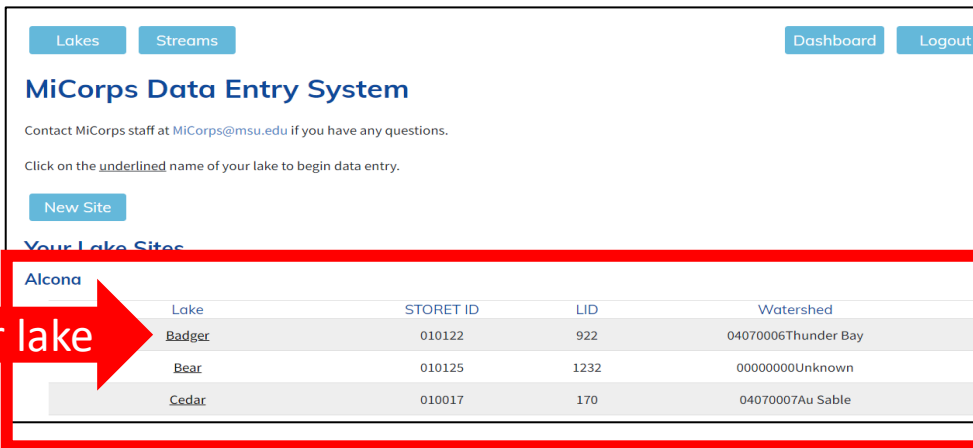
Click lakes

Step 2



Step 3

Click your lake



How to *enter* your data

Enter data by October 31st



MiCorps Data Entry System

Contact MiCorps staff at MiCorps@msu.edu if you have any questions.

Lake Site Information	
Lake	Badger
STORETID	010122
Description	
County	Alcona
Township	
Section	0
HUC/Watershed	4070006 Thunder Bay
Latitude	44.77750
Longitude	-83.43750
GPS Source	
Datum	NAD83/WGS84
Collecting Organization	
Tier	

Step 4

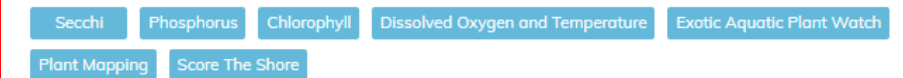
Tier 1 Data: Generated under Micorps QAPP.

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](#)

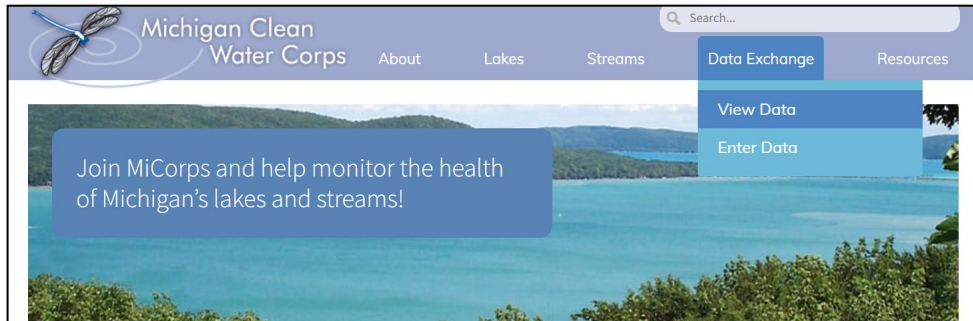
Enter a New Sample

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.



How to *check* your data in our database

Step 1



MiCorps Data Exchange Network

The MiCorps web-based data exchange platform provides online access to volunteer monitoring data through a searchable database. Choose which water bodies you would like to search through and narrow down your search by county, hydrologic unit code (HUC) and/or water body name.

Step 2

Search by Streams or Lakes

Streams

Lakes

Narrow Your Search

County

HUC

Name

All

The left column contains items you can filter your search with. Click an item on the left to move it to the right column, which contains any items you've chosen to filter with. If you change your mind, click on an item in the right column to stop filtering with it. Multiple types of filters can be selected by clicking on each button above.

Type a word into the search box to only show items that contain that word.

badger

Badger

Date Range

From January 01 1970 to July 11 2023

Sampling Parameters

- ☒ Secchi Disk
- ☐ Phosphorus (Spring Overturn)
- ☐ Phosphorus (Late Summer)
- ☐ Chlorophyll
- ☐ Dissolved Oxygen/Temperature
- ☐ Aquatic Plants
- ☐ Exotic Plants
- ☐ Score The Shore

Data Tier

Data generated under different Quality Assurance Project Plans (QAPPs) belong to different tiers.

- ☒ Tier 1: The MiCorps QAPP
- ☐ Tier 2: Another acceptable QAPP
- ☐ Tier 3: No QAPP, but acceptable Standard Operating Procedures

View Results

Download in Excel

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

Page1 of10

>

Sort by: County • Watershed

5, 10, 25 sites per page

County

HUC and Watershed

Lake Name

STORETID

Alcona

4070006Thunder 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

4050003Kalamazoo

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

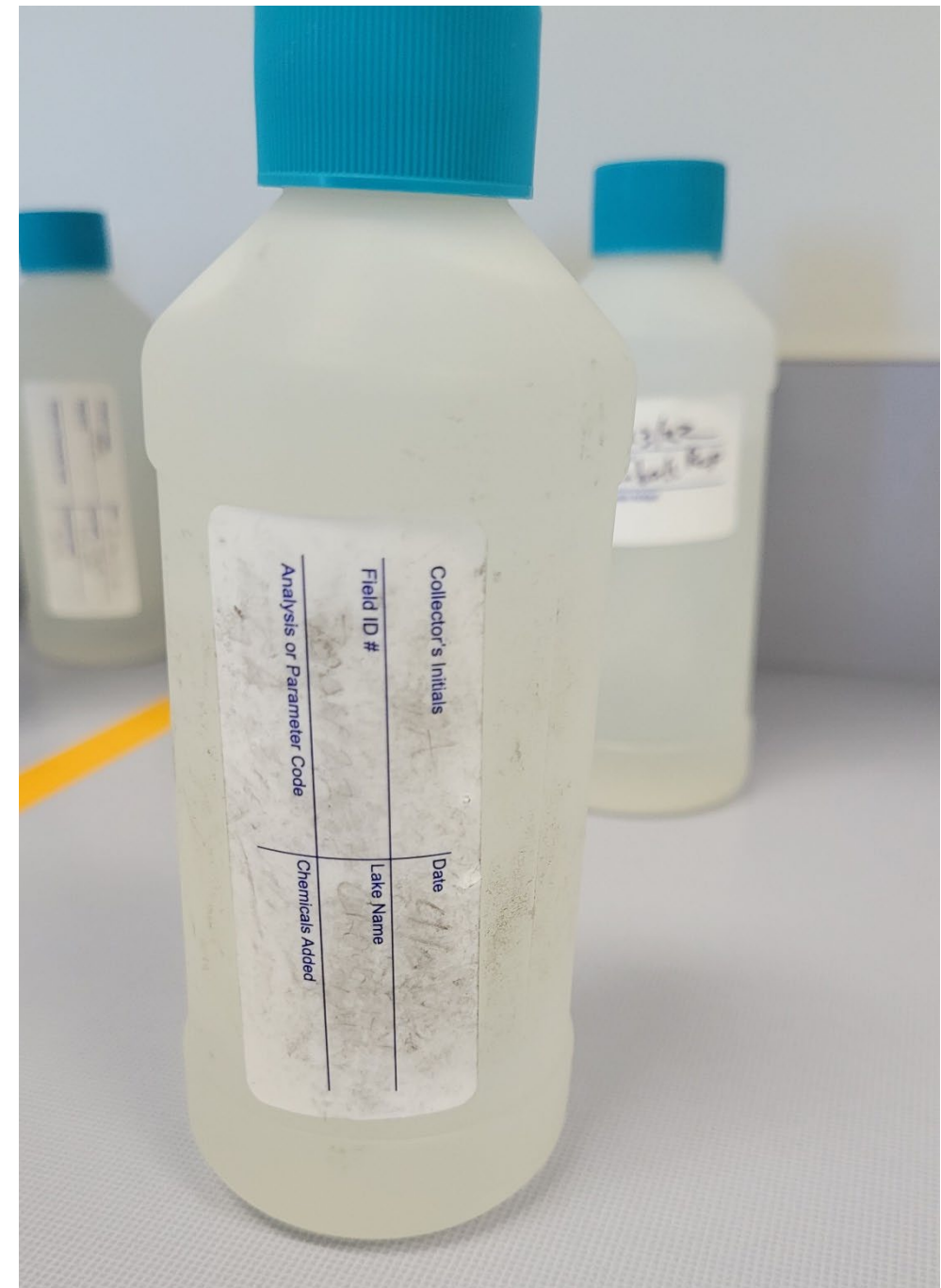
Date	Time	Depth	Weather	
Jul 18, 2024	10:00:00	7.5 ft	Sunny, light wind	View Graph

Keep your sample clean



Use a pencil
or waterproof
pen or marker

Note: Summer P
bottles are being
sent as we speak

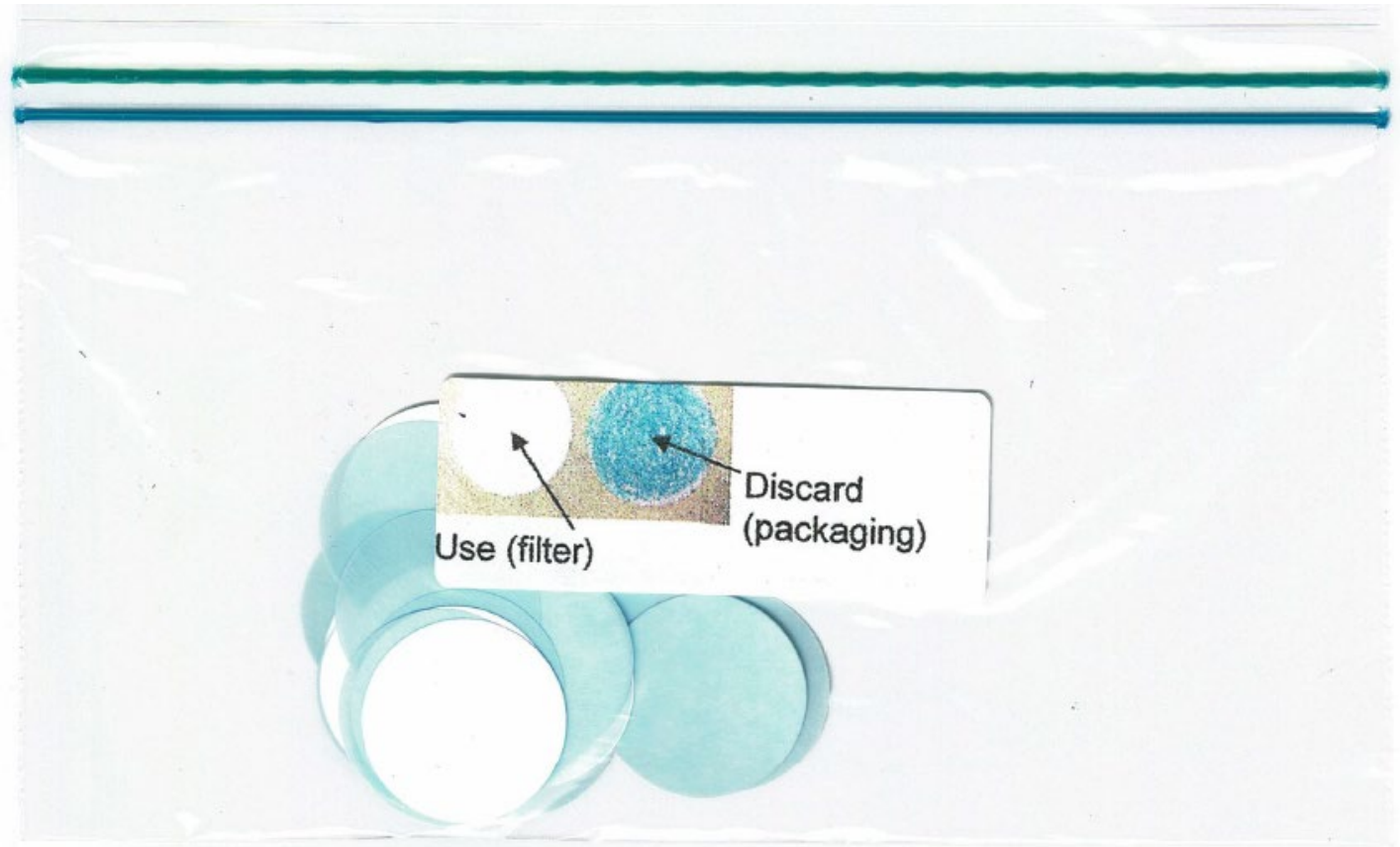


Chlorophyll Filters

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!



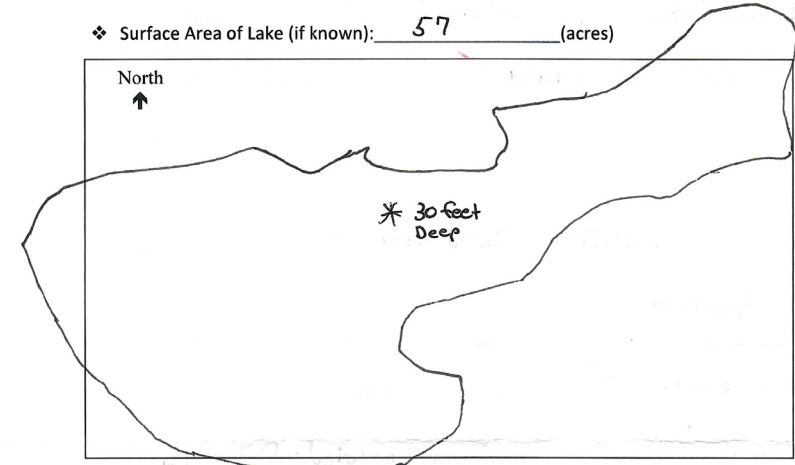
Data Forms

- 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).

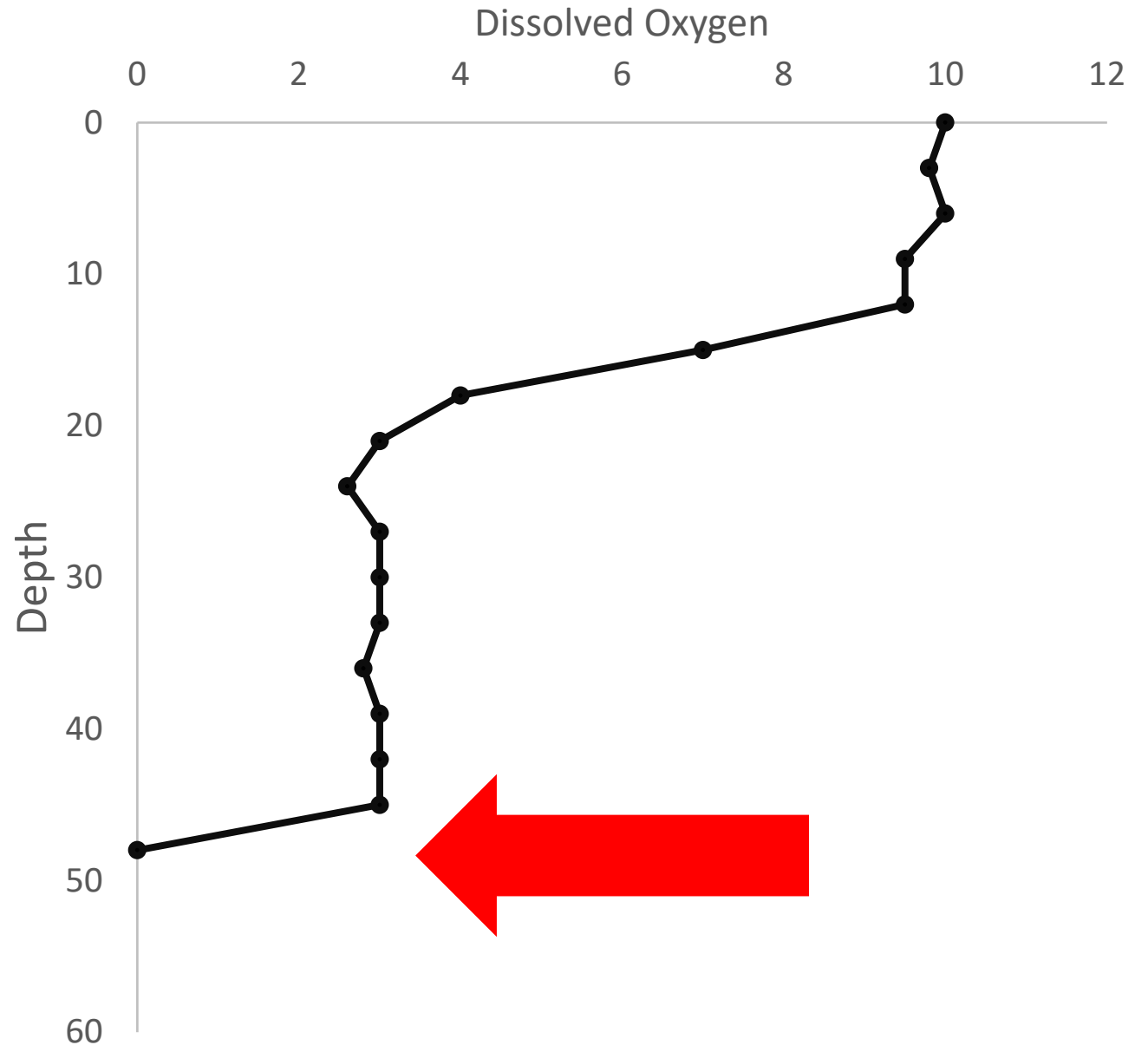
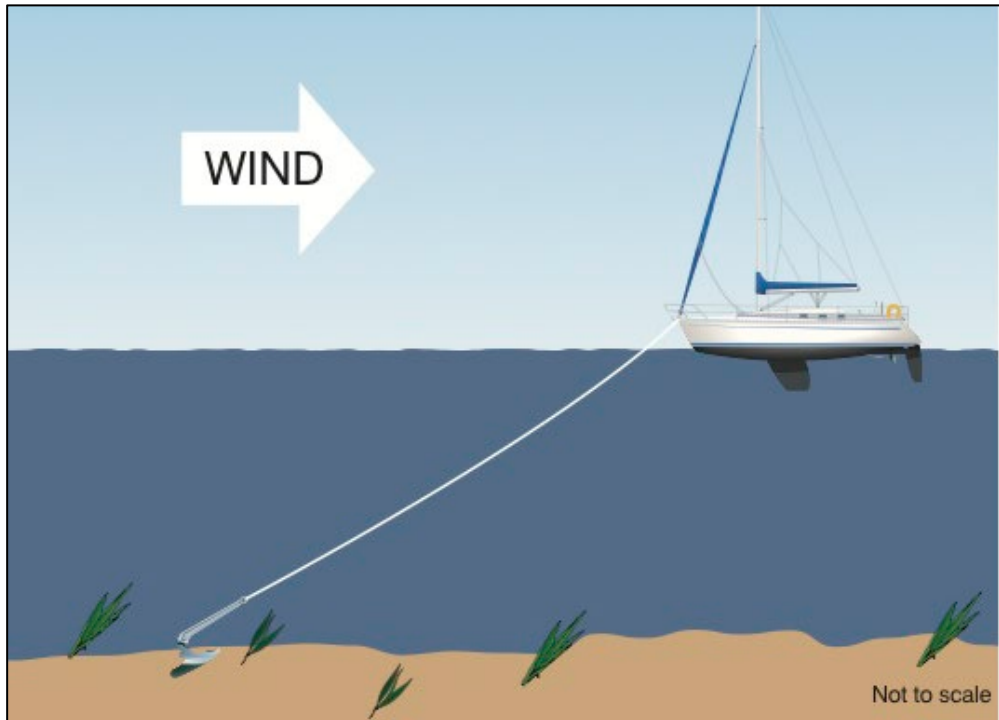


Dissolved Oxygen (DO) Reminders

- 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



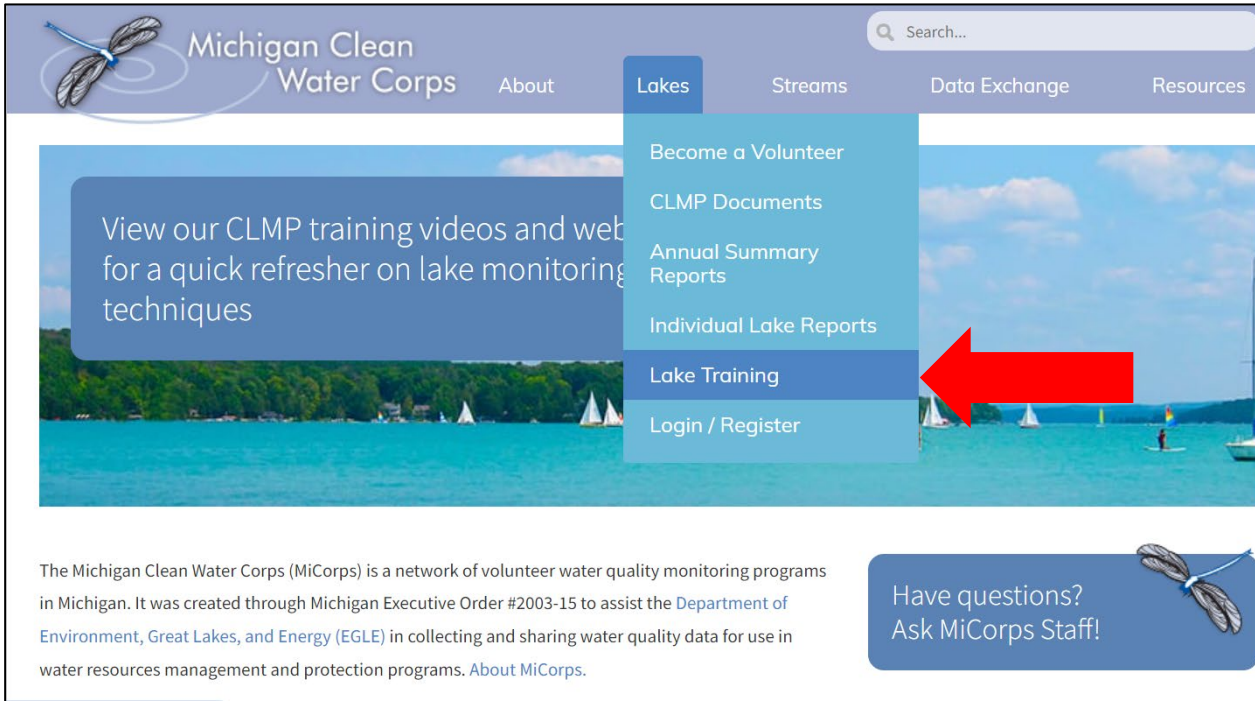
From where do you
measure Secchi?



A: Top of the boat

B: Top of the water

Need a refresher? Training Videos



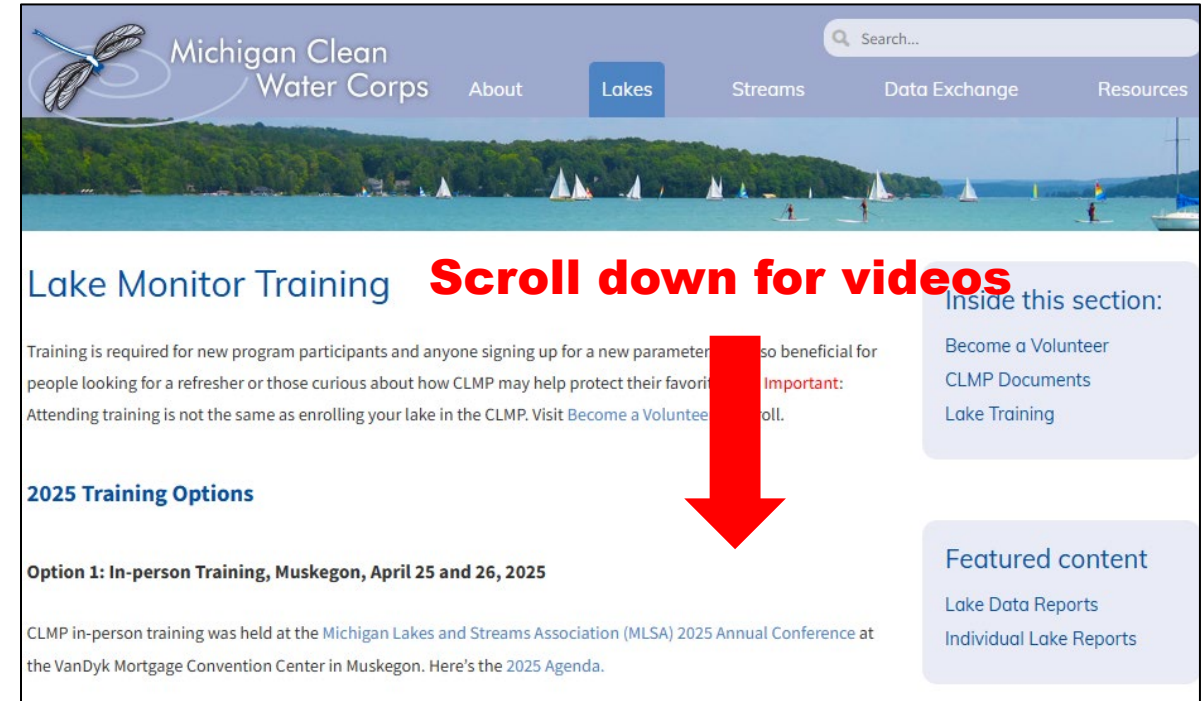
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View our CLMP training videos and webinars for a quick refresher on lake monitoring techniques

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Have questions? Ask MiCorps Staff!



Lake Monitor Training **Scroll down for videos**

Training is required for new program participants and anyone signing up for a new parameter. It is also beneficial for people looking for a refresher or those curious about how CLMP may help protect their favorite lakes. **Important:** Attending training is not the same as enrolling your lake in the CLMP. Visit [Become a Volunteer](#) to enroll.

2025 Training Options

Option 1: In-person Training, Muskegon, April 25 and 26, 2025

CLMP in-person training was held at the Michigan Lakes and Streams Association (MLSA) 2025 Annual Conference at the VanDyk Mortgage Convention Center in Muskegon. Here's the [2025 Agenda](#).

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MiCorps AIS Detection Blitz

Help Track Aquatic Invasive Species – Just Snap & Upload!

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!



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

