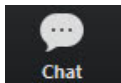


Instructions for Webinar Participation

Getting Started

- The webinar will begin at 10:00 AM.
- Audio is through your computer speakers or headset: **You may not hear sound until webinar begins.**
- Use the **Audio Settings** option to do a sound check.
- During the webinar if you do not hear audio, make sure your sound is turned on then contact the **Help Desk**.

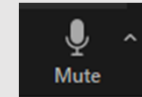


Send
Message

Sound
Check

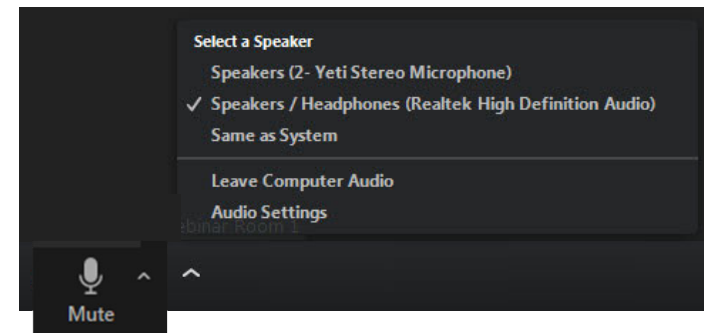
How to Ask Questions

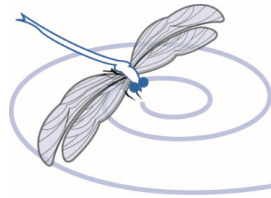
1. Click on the Chat icon to type a question to the presenters, or
2. Click on the microphone to unmute yourself and speak.



Help Desk

Call the Distance Learning Help Desk
(800) 500-1554 for technical support.





Michigan Clean
Water Corps



**2022 Summer
Check-In**

Fun Summer Sampling





Staff



Jo Latimore, MSU
MiCorps Director



Erick Elgin, MSUE
Lake Program Manager



Paul Steen, HRWC
Stream Program Manager



Tamara Lipsey, EGLE
MiCorps Program Lead



Melissa DeSimone, MLSA



Mike Gallagher, MLSA



Jean Roth, MLSA
CLMP Volunteer Administrator

Summer Reminders



Ask your Assisting Volunteers to create an account

- Helps us keep track
- Need to sign waiver
- Volunteer recognition

Create your account

Username*

Please do not use your email address

Password*

Your CLMP Role

Role*

An "Assisting Volunteer" assists the Lead Volunteer with CLMP lake monitoring activities. They do not enroll/pay for lakes or receive supplies directly from MiCorps.

Waiver

Waiver: All volunteers must sign a waiver each year.*

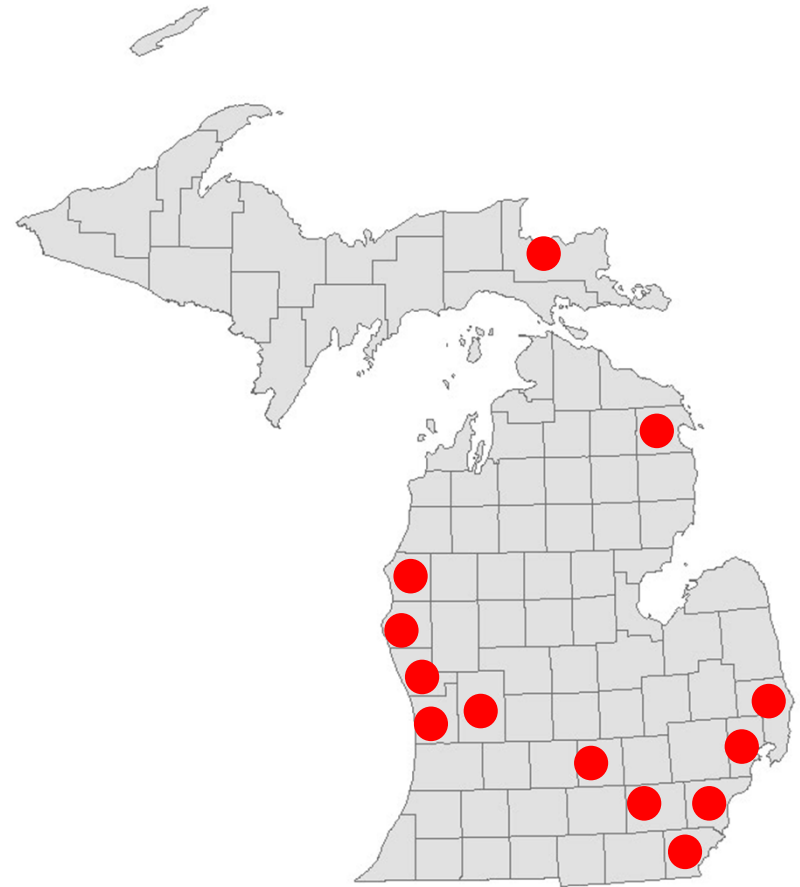
[View / Sign Waiver](#)

Enroll all summer in EAPW and Score the Shore



Emerging Threat: European Frog-bit

Hydrocharis morsus-ranae



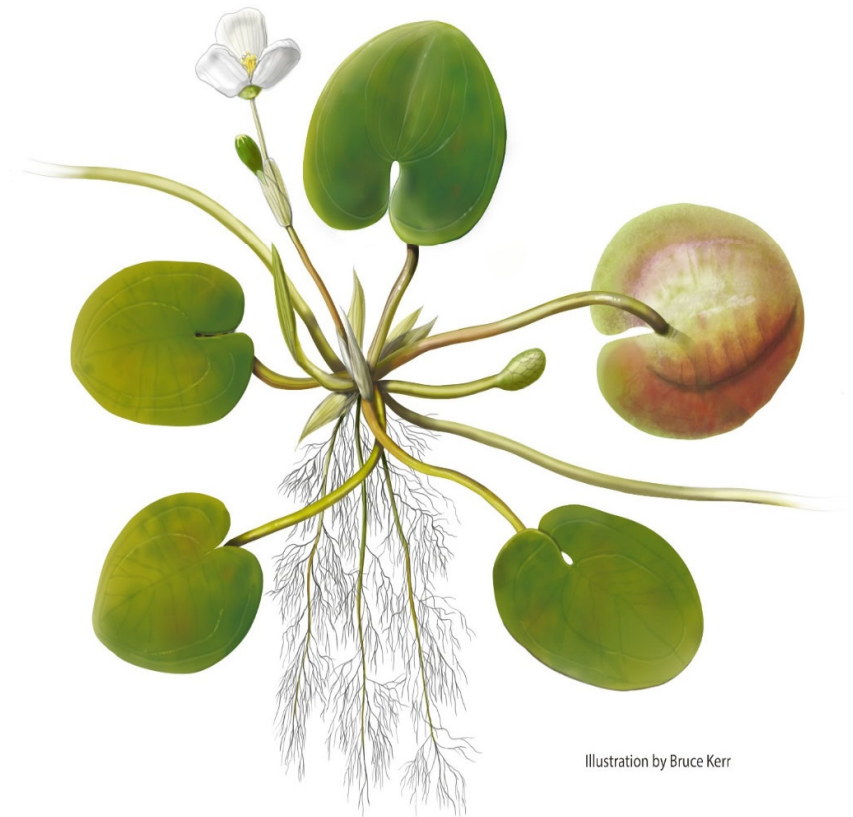
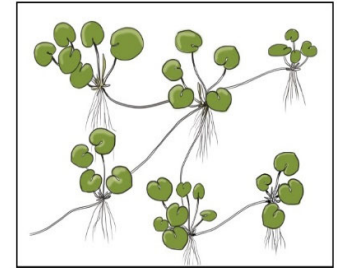
- First discovered in 1996 in Southeast Michigan
- High threat to our inland waters
- Newly found in Muskegon Lake

European Frog-bit Identification

Hydrocharis morsus-ranae

Key Characteristics:

- Small (0.5-2.25 inches) round/heart shaped leaves
- White flower with three petals
- **Free floating** rosette (can be rooted in shallow water)



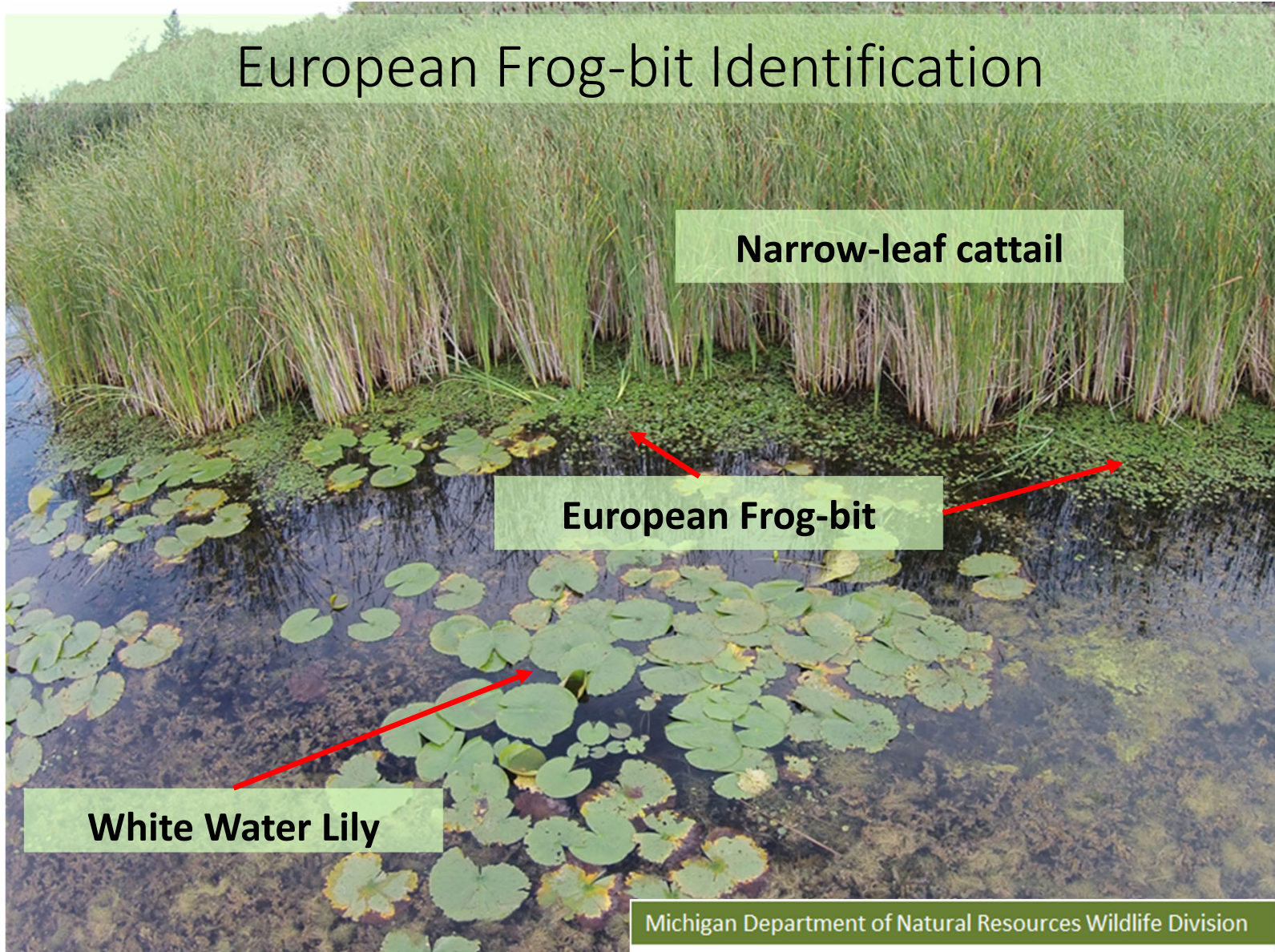
European Frog-bit Identification

Narrow-leaf cattail

European Frog-bit

White Water Lily

Michigan Department of Natural Resources Wildlife Division



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



SUMMER PHOSPHORUS 2022 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	Sept 22-26	8 am-Noon September 27
Calhoun, Jackson, Washtenaw, Branch, Hillsdale, Lenawee	EGLE Jackson District Office 301 E. Louis B. Glick Hwy. Jackson, MI 49201 Kathy David: 517-257-0251	Sept 22-26	8 am-Noon September 27
St. Clair, Macomb, Oakland, Wayne, Monroe	EGLE Warren District Office 27700 Donald Court Warren, MI 48092 Jack Cotrone: 248-763-1994	Sept 22-26	8 am-Noon September 27
Ottawa, Kent, Montcalm, Ionia, Muskegon, Oceana, Newaygo, Mecosta	EGLE Grand Rapids District Office 350 Ottawa St. NW, Unit 10, 5th Floor Grand Rapids, MI 49503 Lucy Robinson or Mercedes Alvarado: 616-250-7915	Sept 15-19	8 am-Noon September 20

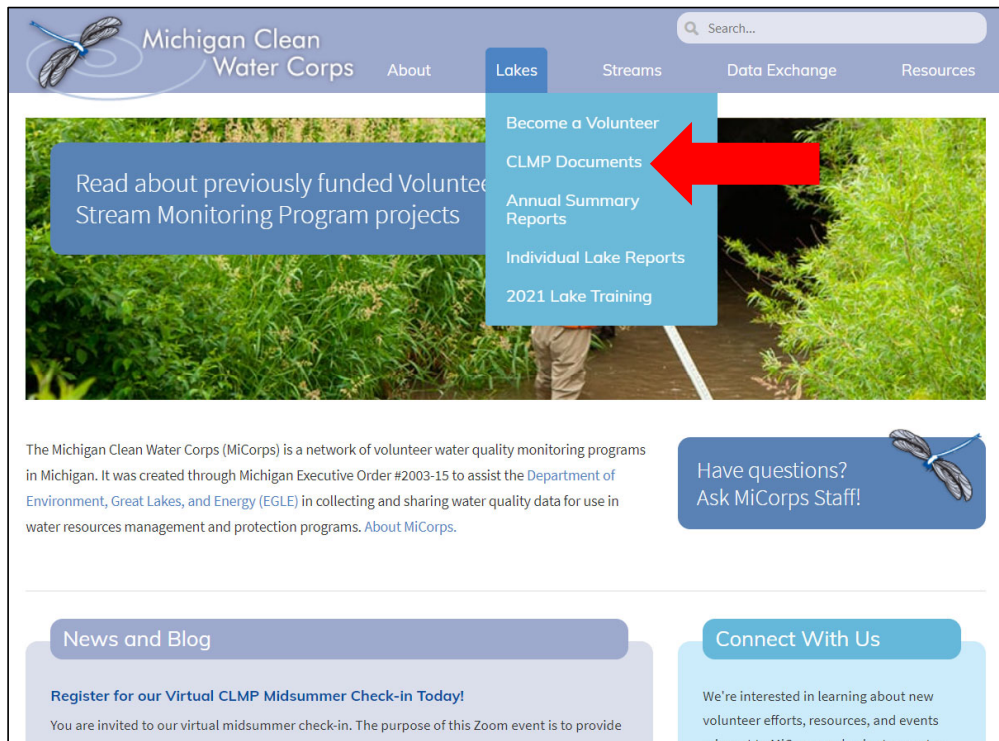


CHLOROPHYLL 2022 Sampling Dates & Sample turn-in dates & locations



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 22-26	8 am-Noon June 21 8 am-Noon September 27
Calhoun, Jackson, Washtenaw, Branch, Hillsdale, Lenawee	EGLE Jackson District Office 301 E. Louis B. Glick Hwy. Jackson, MI 49201 Kris Coffey: 517-243-3109 - (Samples 1&2) Kathy David: 517-257-0251 - (Samples 3-5)	Sample #1 May 10-20 Sample #2 June 10-20 Sample #3 July 10-20 Sample #4 Aug 10-20 Sample #5 Sept 22-26	8 am-Noon June 21 8 am-Noon September 27
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Summer Sampling Schedule



Michigan Clean Water Corps

About Lakes Streams Data Exchange Resources

Read about previously funded Volunteer Stream Monitoring Program projects

Become a Volunteer
CLMP Documents
Annual Summary Reports
Individual Lake Reports
2021 Lake Training

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.

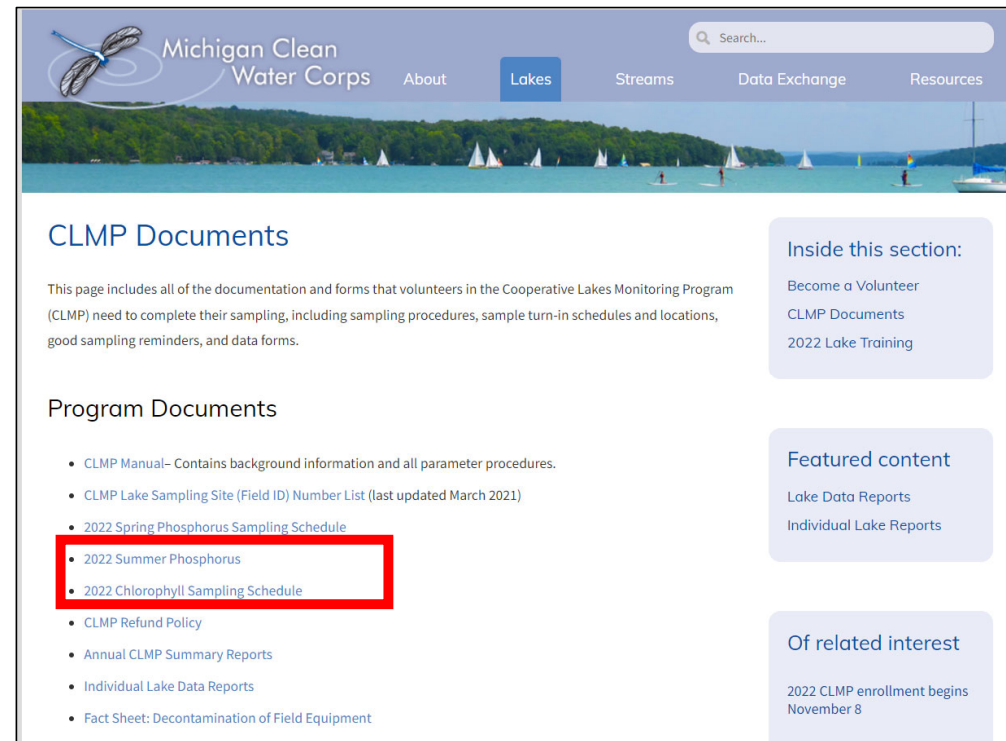
Have questions? Ask MiCorps Staff!

News and Blog

Register for our Virtual CLMP Midsummer Check-in Today!
You are invited to our virtual midsummer check-in. The purpose of this Zoom event is to provide

Connect With Us

We're interested in learning about new volunteer efforts, resources, and events



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.

Inside this section:

- Become a Volunteer
- CLMP Documents
- 2022 Lake Training

Program Documents

- CLMP Manual- Contains background information and all parameter procedures.
- CLMP Lake Sampling Site (Field ID) Number List (last updated March 2021)
- 2022 Spring Phosphorus Sampling Schedule
- 2022 Summer Phosphorus**
- 2022 Chlorophyll Sampling Schedule**
- CLMP Refund Policy
- Annual CLMP Summary Reports
- Individual Lake Data Reports
- Fact Sheet: Decontamination of Field Equipment

Featured content

- Lake Data Reports
- Individual Lake Reports

Of related interest

2022 CLMP enrollment begins November 8

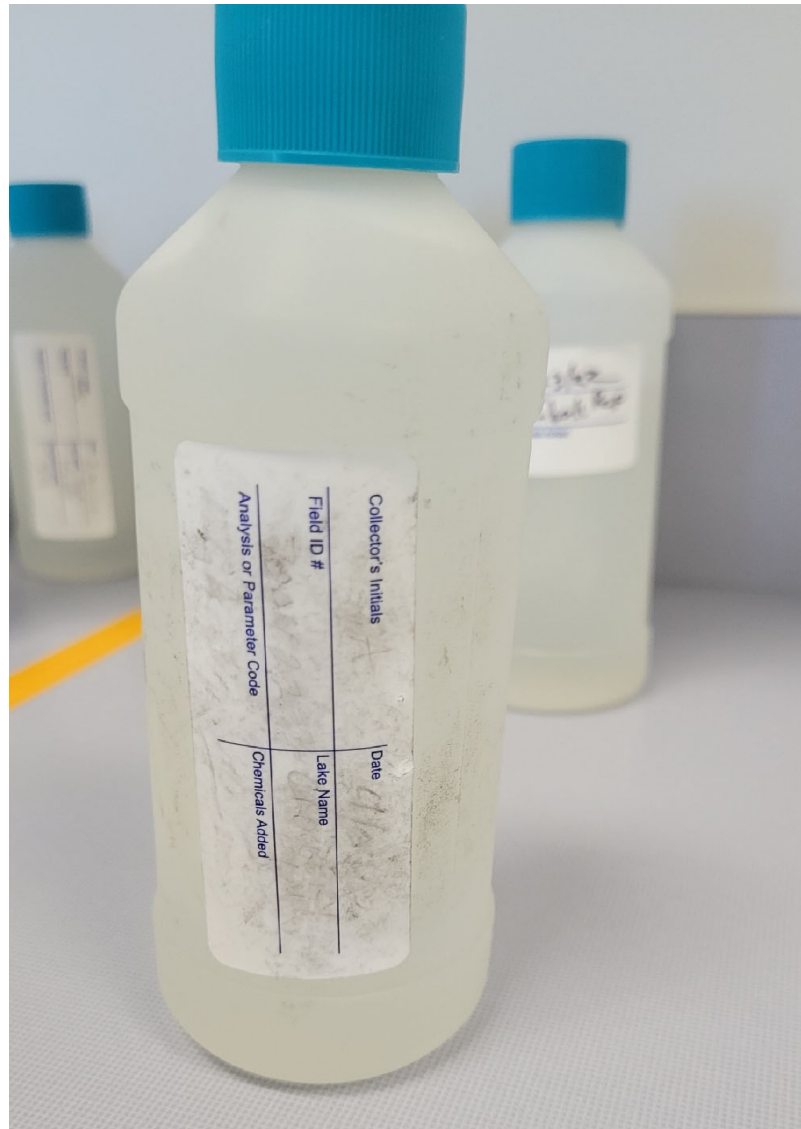
Sample Drop off between 8-Noon

- If the date and time does not work for you:
 - 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

Dandruff can change your phosphorus readings
- Keep your sample clean



Use a pencil
or
waterproof
pen or
marker



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



No need to wrap P
bottles in foil, though!



Keep MgCO_3 bottles upright to prevent leaks



Data Forms

- Important to fill everything out
- Map is important for quality control
- Chlorophyll data form review

- ❖ 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 chlorophyll sampling location (this should be at the deepest location in your lake) and write the LAKE DEPTH at this location.
- ❖ Surface Area of Lake (if known): _____ (acres)

North
↑



DATA ENTRY

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

DATA SHEET AND SAMPLE TURN IN

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 and
- (3) Deliver the frozen chlorophyll samples together with the data sheet to the designated drop-off location on the designated turn-in dates (refer to chlorophyll schedule).

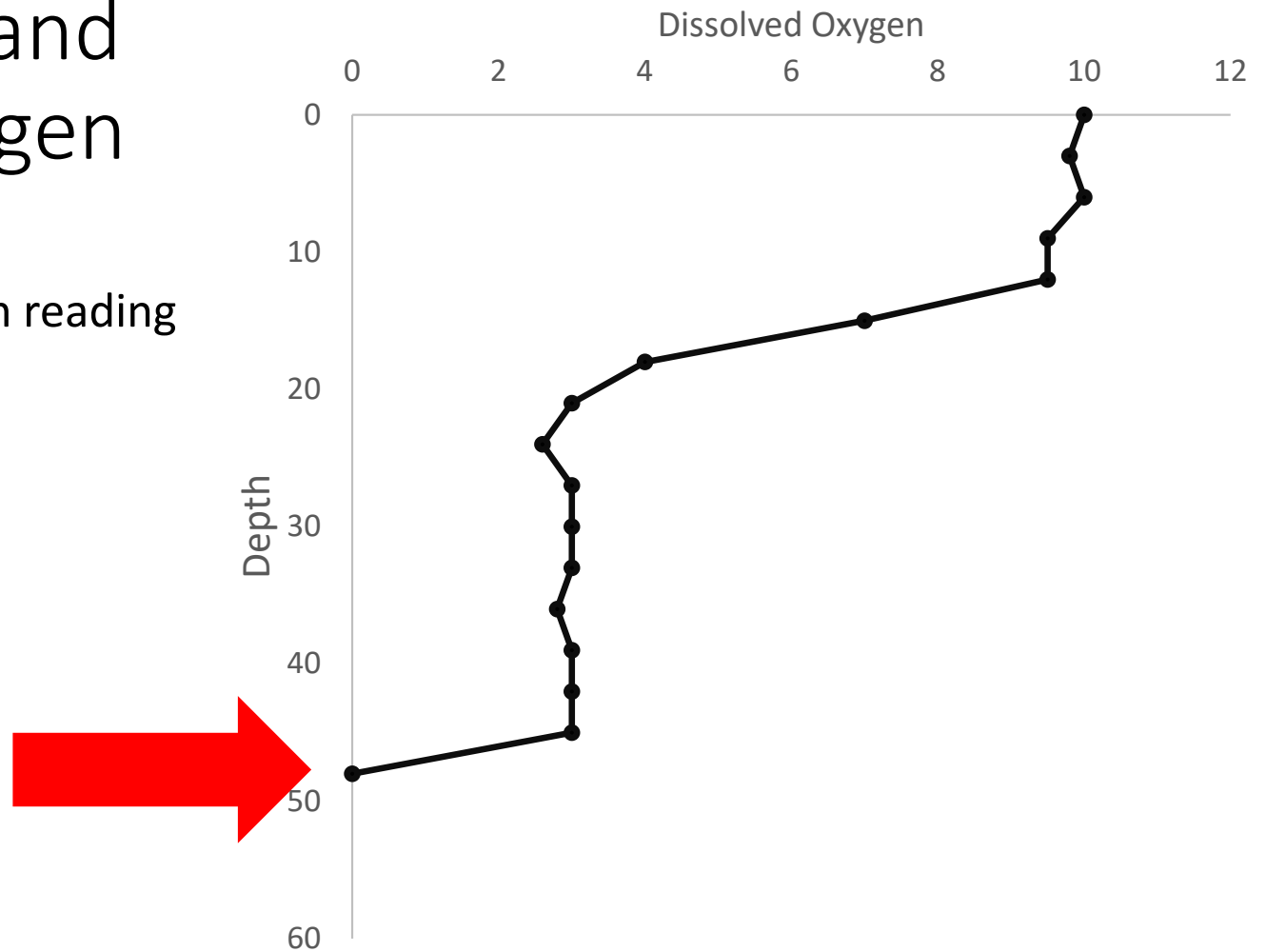


Dissolved Oxygen (DO) Reminders

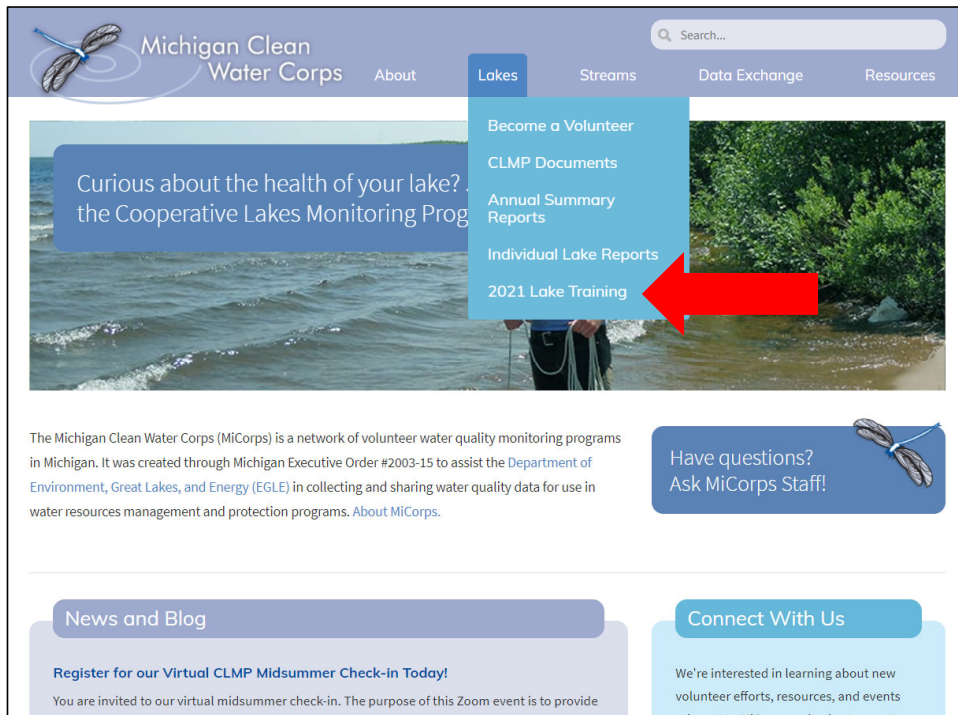
- Conduct sampling every other week mid May-mid September
- Turn on meters 15 minutes prior to calibrating
- Keep sponge in calibration chamber wet, but no standing water
- Make sure reading mg/L not % Saturation
- Measure depths according to data sheet, last measurement 1 foot above lake bottom

Temperature and Dissolved Oxygen

Watch for drift and bottom reading



Need a refresher? Training Videos



Michigan Clean Water Corps

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The training was recorded and posted below.'. An important note follows: 'Important: There are two steps involved in becoming a CLMP lake monitoring volunteer: 1. Attend or watch the recorded training. 2. Enroll your lake in the CLMP.' A red arrow points down from the text 'Scroll down for videos' to the '2021 Training Presentations' section. The page also includes a 'CLMP ENROLLMENT INFORMATION' button and a 'Secchi Disk Transparency and Phosphorus' section. On the right side, there are three sections: 'Inside this section:' with links to 'Become a Volunteer', 'CLMP Documents', and '2021 Lake Training'; 'Featured content' with links to 'Annual Summary Reports' and 'Individual Lake Reports'; and 'Of related interest' with a link to 'An Update on MiCorps Funding and the 2020 CLMP Monitoring Season'." data-bbox="503 287 974 725"/>

Michigan Clean Water Corps

About Lakes Streams Data Exchange Resources

Lake Monitor Training

The 2021 Cooperative Lakes Monitoring Program Annual Training went virtual!

We held our annual lake monitoring training on April 29, 2021. Training is required for new participants to the program and for 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 lake. [The training was recorded and posted below.](#)

Important: There are two steps involved in becoming a CLMP lake monitoring volunteer:

1. Attend or watch the recorded training.
2. Enroll your lake in the CLMP.

CLMP ENROLLMENT INFORMATION

2021 Training Presentations

Secchi Disk Transparency and Phosphorus

Inside this section:

- [Become a Volunteer](#)
- [CLMP Documents](#)
- [2021 Lake Training](#)

Featured content

- [Annual Summary Reports](#)
- [Individual Lake Reports](#)

Of related interest

- [An Update on MiCorps Funding and the 2020 CLMP Monitoring Season](#)

Questions?

CLMP Contacts

Erick Elgin – elgineri@msu.edu

Jo Latimore - latimor1@msu.edu

Jean Roth - jean.roth@mymlsa.org

Tamara Lipsey - lipseyt@michigan.gov

Not sure who to ask?

MiCorps@msu.edu

