



### Welcome to MiCorps Cooperative Lakes Monitoring Program's Annual Training.

 For CLMP procedures and data forms please visit: <u>micorps.net/lake-monitoring/clmp-documents/</u> and then click on the name of the parameter.

## Today's Agenda:

| 9:00 AM – 9:15 AM   | Welcome to CLMP                        |  |
|---------------------|--|--|
| 9:15 AM – 10:15 AM  | Secchi Disk & Spring/Summer Phosphorus |  |
| 10:15 AM-10:30 AM   | BREAK                                  |  |
| 10:30 AM – 12:00 PM | Chlorophyll-a (algae indicator)        |  |
| 12:00 PM – 1:00 PM  | Lunch                                  |  |
| 1:00 PM – 2:00 PM   | Dissolved Oxygen and Temperature       |  |
| 2:00 PM – 3:00 PM   | Score the Shore                        |  |
| 3:00 PM – 3:15 PM   | BREAK                                  |  |
| 3:15 PM – 4:30 PM   | Exotic Aquatic Plant Watch             |  |

#### **Getting Started**

- Audio is through your computer speakers or headset:
   You may not hear sound until training 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.



#### **How to Ask Questions**

Click on the Chat Icon to submit a question to the presenters.

### **Help Desk**

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





2022 Virtual Training Workshop















MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

## **Tamara Lipsey**

Aquatic Biologist
Water Resources Division

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## Michigan Clean Water Corps (MiCorps)

- Funded through EGLE
  - RENEW State of Michigan general funds
  - Special water quality license plate funds
- 5-Year Contract with MSU Extension
  - 2 Extension staff
  - 3 MSU Remote Sensing/GIS staff: Dr. Erin Bunting, Dylan Hoffner, Robert Goodwin
- 2 subcontracts
- TEAMWORK!!



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY











Jo Latimore (MSU)



Erick Elgin (MSU)



Paul Steen (HRWC)



Tamara Lipsey (EGLE)



Melissa DeSimone (MLSA)



Mike Gallagher (MLSA)



Jean Roth (MLSA)

# What is Our Focus?

- <u>Educate Volunteers</u> About Water Quality
- Collect High Quality Data
- Establish <u>Volunteer</u>
   <u>Network</u>



- Education and Training
  - Standardized Methods, CLMP Manual, Datasheets and online data reporting
  - Spring Training and Fall Conference

- Technical Assistance
  - Bottles and Preservatives provided
  - Samples analyzed at EGLE Lab
  - QA of samples, lab results, and data
  - DO meters, sampling equipment
  - Answer questions

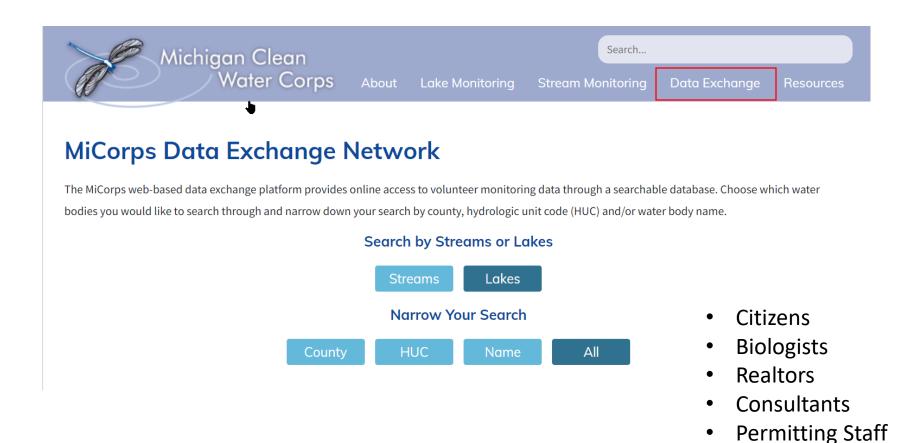




# Over 40 years old

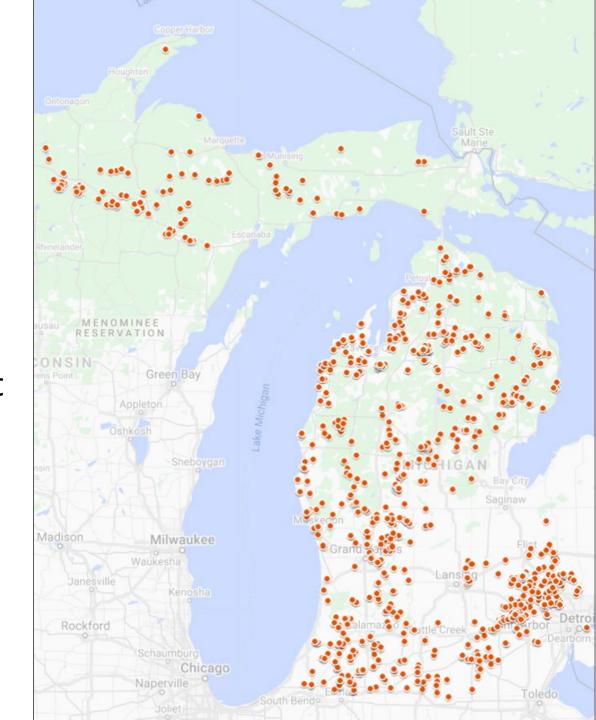
- Second oldest volunteer monitoring program in the country
- Online Database available
- Reliable data is used by many!!

## Data Available Online





 Michigan lakes that have been sampled at least once 1974-2019 as part of CLMP program



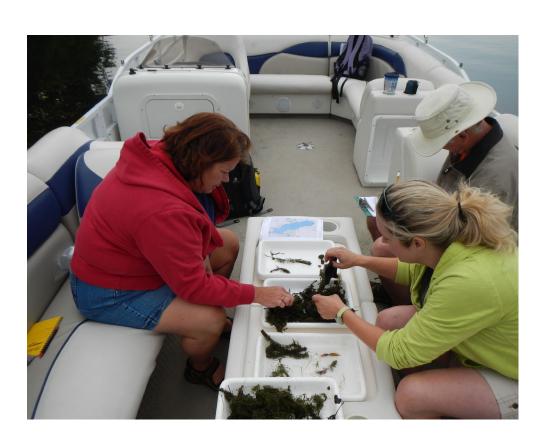




# 2021 CLMP Participating Lakes

| • Secchi Disk:                  | 184 |
|---------------------------------|-----|
| • Spring Phosphorus:            | 137 |
| Summer Phosphorus:              | 202 |
| Chlorophyll:                    | 102 |
| • Dissolved Oxygen/Temperature: | 66  |
| • Exotic Aquatic Plant Watch:   | 35  |
| Aquatic Plant Mapping:          | 6   |
| • Score the Shore:              | 16  |

## 2022 Changes and Information



- Side by Side Visits return!
- Aquatic Plant Mapping returns!

## **CLMP Training Agenda**

## ONE ZOOM LINK FOR THE ENTIRE DAY

| 9:15 AM        | Secchi Disk & Spring/Summer Phosphorus Erick Elgir |                           |
|----------------|--|---------------------------|
| 10:15-10:30 AM | Break  |                           |
| 10:30 AM       | Chlorophyll-a (algae)                              | Paul Steen                |
| 12:00 PM       | Lunch  |                           |
| 1:00 PM        | Dissolved Oxygen and Temperature                   | Tamara Lipsey             |
| 2:00 PM        | Score the Shore                                    | Jo Latimore               |
| 3:00-3:15 PM   | Break  |                           |
| 3:15-4:30 PM   | Exotic Aquatic Plant Watch                         | Jo Latimore & Erick Elgin |







# Join us & Tell a Friend!

- Recording will be available
- MiCorps.net

Social Media!



@MiCorps



@MiCorpsMI













THANK YOU!!! to all the volunteers who make this program a success!