# DISSOLVED OXYGEN AND TEMPERATURE
## 2023 Data Form

Michigan Clean Water Corps

Cooperative Lakes Monitoring Program

Lake Name: _____ County: _____ Township: _____

Lake Sampling Site (Field ID) Number: _____ (mark location on map below)

Latitude: _____ Longitude: _____

Volunteer Monitor Name(s): _____

Date Sampled: _____ Time: _____

Weather Conditions (sunny, cloudy, windy, etc.): _____

Unusual Conditions (heavy rain, boating, etc.): _____

Sampling Station Depth (measured): _____ feet

DO/Temp. Meter (circle one):   YSI Model 550A    YSI Pro20

CLMP Meter ID# :_____ (If this is your meter, enter, "Our Meter")

   Calibration Values (Only for 550A; Skip if using a Pro20):

   DO: _____% air saturation (Must be 93-103%; Troubleshoot if out-of-range)

   Lake Elevation Value: _____ (x100 ft.)

In the box below draw an outline of your lake (or attach a copy of a lake map). Mark your DO/temperature sampling location (this should be at the deepest location in your lake) and write the total lake depth.

North
▲

Surface Area :_____(acres)

** **REMEMBER** make sure you are measuring oxygen in **mg/l** before making oxygen measurements.**

| Depth (ft.) | Temp (°C) | DO (mg/l) | Depth (ft.) | Temp (°C) | DO (mg/l) |
|---|---|---|---|---|---|
| 1 | | | 55 | | |
| 5 | | | 60 | | |
| 10 | | | 65 | | |
| 15 | | | 70 | | |
| 17½ | | | 75 | | |
| 20 | | | 80 | | |
| 22½ | | | 85 | | |
| 25 | | | 90 | | |
| 27½ | | | 95 | | |
| 30 | | | 100 | | |
| 32½ | | | 105 | | |
| 35 | | | 110 | | |
| 37½ | | | 115 | | |
| 40 | | | 120 | | |
| 42½ | | | 125 | | |
| 45 | | | 130 | | |
| 50 | | | **Note**: Take last measurement 2½-3 ft. above bottom sediments of the lake. | | |

## 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)** Mail one copy by October 31st to: **MLSA, P.O. Box 303, Long Lake, MI 48743**

**OR**

For electronic submission, send to: MiCorps@msu.edu