

# 2023 LAKES MONITORING PROGRAM CHAIN OF CUSTODY



22796 County Hwy 6 Detroit Lakes, MN 56501 218-846-1465 lakes@rmbel.com	Lake Name & Site #: _____ MN Lake ID: _____ County: _____ Organization: _____
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The RMB Lakes Monitoring Program includes total phosphorus and chlorophyll-a analyses. If you are interested in additional testing, please contact the lab prior to sampling. Sample results will be posted on our Lakes Monitoring Program website [www.rmbel.com/lakesmonitoringmain](http://www.rmbel.com/lakesmonitoringmain) monthly. At the end of the season these results are sent to the MPCA's statewide database (EQuIS).

SAMPLER INFORMATION		
Primary Sampler (Print First & Last)	Phone Number	Email Address
Secondary Sampler (Print First & Last)	Phone Number	Email Address

SAMPLE DETAILS			
Date	Time <input type="checkbox"/> AM <input type="checkbox"/> PM	<b>Physical Condition</b> (select one)  <input type="checkbox"/> Clear <input type="checkbox"/> Low Algae <input type="checkbox"/> Medium Algae <input type="checkbox"/> High Algae <input type="checkbox"/> Severe Algae	<b>Recreational Suitability</b> (select one)  <input type="checkbox"/> Very Good <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input type="checkbox"/> Very Poor
Secchi Disk Depth (Feet)	<input type="checkbox"/> Mark if secchi hit bottom and record bottom depth		
Sample Collection Method <input type="checkbox"/> <b>2 Meter Integrated Sample (LKSURF2M)</b> <input type="checkbox"/> 1 Meter Integrated Sample (LKSURF1M) <input type="checkbox"/> Grab (bottle filled directly at water surface)			

CHAIN OF CUSTODY	
Relinquished By: (signature)	In the event that samples are received by the lab at temperatures greater than 6°C... <input type="checkbox"/> I hereby authorize RMB Environmental Laboratories to process the samples as received. <input type="checkbox"/> Please contact client at phone number _____ before processing samples.
Date	

*LABORATORY USE ONLY*

Received By Lab: (signature)	Date	Time
<b>Shipping</b> <input type="checkbox"/> Courier _____ <input type="checkbox"/> SpeeDee _____ <input type="checkbox"/> Client Shipping <input type="checkbox"/> Hand Delivery	<input type="checkbox"/> Meets proper sample storage and transportation guidelines <input type="checkbox"/> Does NOT meet proper sample storage and transportation guidelines Explain: _____ <input type="checkbox"/> Received on ice <input type="checkbox"/> Received at room temp <input type="checkbox"/> Samples received same day as collection	Temperature blank _____ °C Therm ID _____ <input type="checkbox"/> Peer review / field <input type="checkbox"/> EDD generated <input type="checkbox"/> EDD sent

# SAMPLING PROCEDURES



## BEFORE YOU HEAD OUT ON THE LAKE...

1. Make sure your cooler has **frozen ice packs**.
2. Fill out the **bottle labels** and **chain of custody** with the following information:
  - Organization Name
  - Lake Name
  - Lake ID #
  - Site ID #
  - Sampler Name
  - Date

## COLLECTING YOUR SAMPLE...

1. **Field rinse the 2-meter integrated sampler.** Fill it with lake water and empty it three times.
2. Collect a sample with the integrated sampler. Plug both ends of the sampler and **invert 3 times to mix the sample.**
3. Empty the water into the amber glass bottle.
4. Pour the water **from the amber glass bottle** into the smaller 250 mL plastic bottle.
5. Add sulfuric acid to the **plastic sample bottle**. Please do NOT add sulfuric acid to the amber glass bottle.
6. Discard any remaining contents of the amber glass bottle.
7. Collect an additional sample with the 2-meter integrated sampler to **refill the amber glass bottle.**
8. Fill in the remaining sample data and chain of custody details:
  - Secchi Depth Reading
  - Sample Time
  - Sample Collection Type
  - Field Observations

## DONE SAMPLING?

1. Make sure the bottle caps are on tight. **Ensure that the cooler contains:**
  - Frozen Ice Pack(s)
  - Sample Bottles
  - Completed Chain of Custody Form
2. Ship or deliver the cooler to RMB Environmental Laboratories **within 48 hours of collection** time. We will restock your cooler and return it to you.

**Thank you for your participation in the RMB Lakes Monitoring Program!**