



Lake: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Name(s): \_\_\_\_\_

Staff Use Only

Entered

Verified

### WEATHER CONDITIONS

Air Temperature \_\_\_\_\_ °C

Water Temperature (~6 inches deep) \_\_\_\_\_ °C

Collected with:  thermometer  DO probe

Percent Cloud Cover

0%  10%  25%  50%  75%  90%  100%

Current Wind Conditions

calm  light (ripples)  breezy (small waves)  strong (white caps)

Rain within last 2 days

none  slight  moderate  heavy

### WATER CLARITY

Secchi Disk

Repeat until readings are within 0.1 meter

1<sup>st</sup> Secchi Reading \_\_\_\_\_ meters

2<sup>nd</sup> Secchi Reading \_\_\_\_\_ meters

\*Did Secchi disk:  hit bottom?  enter weeds?  
(leave blank if neither)

### ALGAE

Heavy Algae in Water?  Yes  No  
(Use Secchi disk to assess 6-12 inches below surface)

Filamentous Algae Observed?  Yes  No  
(Mats of stringy algae - does not dissipate if disturbed)

Algae Scum Observed?  Yes  No  
(Looks like paint floating on surface - dissipates if disturbed)

Scum Type:  small clumps  light film  thick scum

Sample Taken:  Yes  No Location: \_\_\_\_\_

### LAKE LEVEL

Lake Level: \_\_\_\_\_ Unit: \_\_\_\_\_ (inches or feet)  
(taken from established fixed point at shoreline or dock)

County Staff Plate: \_\_\_\_\_ feet

### WATER COLOR

Water Color

(Lower disk to 1/2 of today's Secchi depth to identify color)

Intensity:  light  moderate  dark

Tint:  green  brown  red  orange

yellow  green yellow  green brown

yellow brown  other \_\_\_\_\_

### WATER SAMPLES

Water Samples Collected:  Yes  No

Samples Collected & Labeled:

TP /TPN - 1 meter

Chlorophyll a - 1 meter

TP—\_\_\_\_\_ meters

(1 meter from bottom)

Chain of Custody

Relinquished by

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

Odor in Bottom Sample? (rotten egg)  Yes  No

### OTHER OBSERVATIONS

# of Waterfowl: ducks: \_\_\_\_\_ geese: \_\_\_\_\_

other: \_\_\_\_\_ type(s): \_\_\_\_\_

Recreational Lake Usage:

# of boats: \_\_\_\_\_ # of people fishing: \_\_\_\_\_

# of swimmers/waders: \_\_\_\_\_

Recreational Suitability (disregard poor weather):

1 - beautiful could not be nicer

2 - minor aesthetic concerns

3 - swimming & boating slightly impaired

4 - swimming, boating & aesthetic enjoyment substantially impaired (would not swim, but boating ok)

5 - swimming, boating & aesthetic enjoyment are severely limited (would not swim or boat in lake)

### COMMENTS

(Provide additional comments for aquatic plants, odors, wildlife, pollution, equipment issues, etc. - continued on back)



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## DISSOLVED OXYGEN MONITORING - LAKE PROFILES

Depth (m)	Temp (°C)	DO (mg/L)	DO%
Surface			
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
12			
14			
16			
18			
20			
Duplicate* ____(m)			
Duplicate Criteria**	± 0.5 °C	± 1.0 mg/L	

### Advanced Monitoring Information:

**Lake Depth:** \_\_\_\_\_ meters  
*(depth at which probe hits lake bottom)*

**Instrument Name:**  
\_\_\_\_\_

**Instrument Calibration Successful?**

Yes  No

**Instrument Comments:**

*(describe any problems experienced etc.)*

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Other Comments** *(continued from page 1):*

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\* Repeat measurement at one depth to verify instrument precision. Duplicate reading should be taken at depth near lake surface or bottom

\*\* Duplicate reading should be within the listed criteria. If the instrument does not meet the criteria, notify the Lakes group.