



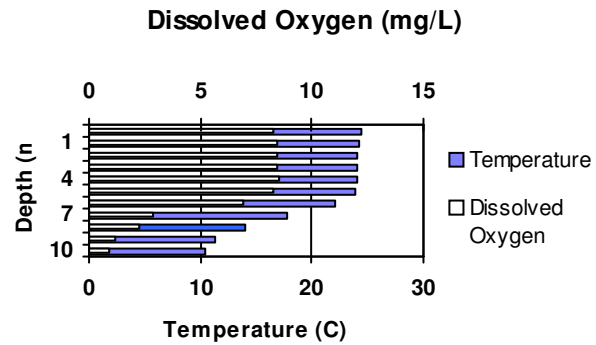
Water Quality Monitoring Report

2014124

Customer	Waterbody	Sample Information
Cedar Lake	Cedar Lake	Date: 8/20/2014
		Site: Deep Hole

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen mg/L	%
0	24.4	8.3	87
1	24.2	8.4	88
2	24.1	8.5	89
3	24.1	8.4	89
4	24.0	8.5	90
5	23.9	8.3	86
6	22.1	6.9	68
7	17.7	2.9	30
8	14.1	2.3	22
9	11.3	1.2	11
10	10.4	0.9	8



Secchi Disk Depth 3.7 meters
 Thermocline Depth 6.5 meters

Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	269	uS/cm	
Total Dissolved Solids	175	mg/L	Low concentration of dissolved salts
pH	8.4	S.U.	Water is slightly alkaline
Alkalinity	109	mg CaCO3/L	Water is soft
Total Phosphorus	10	ug/L	Slightly phosphorus enriched
Nitrates	250	ug/L	Not nitrogen enriched
Chlorophyll	N/A		

Trophic State Evaluation

	TSI	Trophic Status
Based on Secchi Disk Depth	41	mesotrophic
Based on Total Phosphorus	33	meso-oligotrophic
Based on Chlorophyll	N/A	

Conclusions

- Conditions are good for fish growth.
- Minimum dissolved oxygen is nearly low enough to adversely affect sensitive fish.
- Bottom water is deoxygenated, preventing fish from living in cooler water at bottom of lake.
- pH is within acceptable limits.
- Sample is somewhat phosphorus enriched. Create natural buffer between lawn & lakeshore.
- REPEAT LakeCheck NEXT YEAR!

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- WARNING, condition requires immediate attention.
 - CAUTION, condition requires further evaluation.
 - OK, condition within acceptable limits.
 - NEUTRAL, condition neither good nor bad.

Notes

Report describes conditions at the time the sample was collected.

Approved by

Jaimee Conroy

Date 10/16/2014

Mrs. Jaimee Conroy, Technical Services Manager

FROM YOUR  DEALER



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