

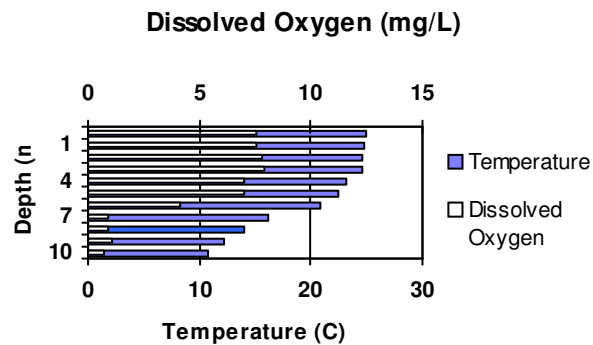
# LAKE CHECK Water Quality Monitoring Report

2015093

Customer	Waterbody	Sample Information
Cedar Lake	Cedar Lake	Date: 9/10/2015
		Site: Deep Hole

## On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen	
		mg/L	%
0	24.9	7.5	79
1	24.8	7.6	79
2	24.7	7.8	82
3	24.7	7.9	83
4	23.1	7.0	71
5	22.5	7.0	69
6	20.9	4.2	47
7	16.2	0.9	9
8	14.0	0.9	9
9	12.2	1.1	10
10	10.7	0.8	7



Secchi Disk Depth 2.5 meters

Thermocline Depth 5.5 meters

## Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	253	uS/cm	
Total Dissolved Solids	165	mg/L	Low concentration of dissolved salts
pH	8.4	S.U.	Water is slightly alkaline
Alkalinity	130	mg CaCO3/L	Water is hard
Total Phosphorus	15	ug/L	Moderately phosphorus enriched
Nitrates	230	ug/L	Not nitrogen enriched
Chlorophyll	N/A		

## Trophic State Evaluation

	TSI	Trophic Status
Based on Secchi Disk Depth	47	mesotrophic
Based on Total Phosphorus	39	mesotrophic
Based on Chlorophyll	N/A	

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## 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 11/5/2015

Mrs. Jaimee Conroy, Technical Services Manager

FROM YOUR **WQ  
PRO** DEALER



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