



Water Quality Monitoring Report

2021211

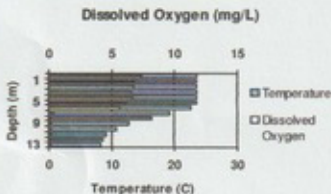
Customer	Waterbody	Sample Information
Cedar Lake	Cedar Lake	Date: 9/16/2021 Site: Deep Hole

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen	
		mg/L	%
0	23.6	7.4	87
1	23.6	6.8	82
2	23.6	6.7	78
3	23.5	6.6	77
4	23.5	6.7	80
5	23.5	6.2	73
6	22.7	5.7	66
7	19.3	0.3	4
8	16.3	0.2	2
9	12.8	0.2	2
10	10.7	0.2	2
11	9.1	0.2	1
12	8.6	0.2	1
13	8.2	0.2	1

Secchi Disk Depth 3.6 meters

Thermocline Depth 7 meters



Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	257	uS/cm	
Total Dissolved Solids	167	mg/L	Low concentration of dissolved salts
pH	8.8	S.U.	Water is slightly alkaline
Alkalinity	147	mg CaCO ₃ /L	Water is hard
Total Phosphorus	10	ug/L	Slightly phosphorus enriched
Nitrates	230	ug/L	Not nitrogen enriched
Chlorophyll	N/A	ug/L	

Trophic State Evaluation

	TSI	Trophic Status
Based on Secchi Disk Depth	42	mesotrophic
Based on Total Phosphorus	33	meso-oligotrophic
Based on Chlorophyll	N/A	

Conclusions

- Conditions are good for fish growth.
- Bottom water is deoxygenated, preventing fish from living in cooler water at bottom of lake.
- pH is within acceptable limits.
- Phosphorus and Nitrogen are within acceptable limits.
- No remedial action recommended at this time.
- Repeat LakeCheck in Fall.

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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 Desjardins

Date 12/6/2021

Mrs. Jaimee Desjardins, Technical Services Manager

FROM YOUR **WO PRO** DEALER



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