

# LAKE CHECK Water Quality Monitoring Report

2020875

Customer	Waterbody	Sample Information
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Cedar Lake

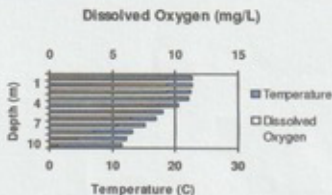
Cedar Lake

Date: 6/4/2020

Site: Deep hole

## On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen	
		mg/L	%
0	22.7	9.3	108
1	22.6	9.4	108
2	22.4	9.3	107
3	22.1	9.4	108
4	20.4	8.6	96
5	17.9	7.6	80
6	16.9	6.4	66
7	15.1	5.4	54
8	13.1	3.5	34
9	12.3	2.2	21
10	11.5	0.6	6



Secchi Disk Depth 4.5 meters

Thermocline Depth 4 meters

## Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	3	uS/cm	
Total Dissolved Solids	188	mg/L	Low concentration of dissolved salts
pH	8.6	S.U.	Water is slightly alkaline
Alkalinity	137	mg CaCO3/L	Water is hard
Total Phosphorus	10	ug/L	Slightly phosphorus enriched
Nitrates	230	ug/L	Not nitrogen enriched
Chlorophyll	N/A		

## Trophic State Evaluation

	TSI	Trophic Status
Based on Secchi Disk Depth	38	mesotrophic
Based on Total Phosphorus	33	meso-oligotrophic
Based on Chlorophyll	N/A	

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## Conclusions

- Conditions are good for fish growth.
- pH is within acceptable limits.
- Phosphorus and Nitrogen are within acceptable limits.
- 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 12/1/2020

Mrs. Jaimee Desjardins, Technical Services Manager

FROM YOUR



DEALER



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