



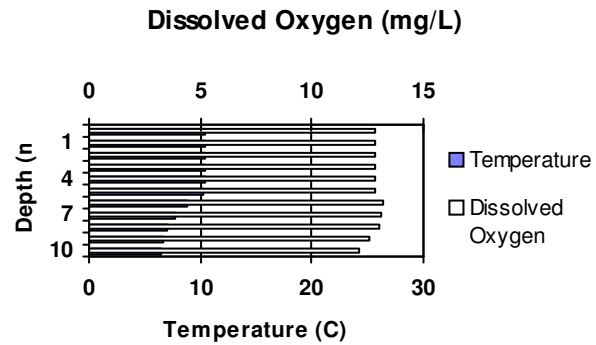
# Water Quality Monitoring Report

2014123

Customer	Waterbody	Sample Information
Cedar Lake	Cedar Lake	Date: 4/23/2014
		Site: Deep Hole

## On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen mg/L	%
0	10.4	12.8	115
1	10.4	12.8	115
2	10.3	12.8	115
3	10.3	12.8	115
4	10.3	12.8	114
5	10.3	12.8	114
6	8.8	13.2	113
7	7.7	13.1	110
8	7.0	13.0	108
9	6.7	12.6	103
10	6.5	12.1	99



Secchi Disk Depth 2.8 meters  
 Thermocline Depth 5.5 meters

## Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	277	uS/cm	
Total Dissolved Solids	180	mg/L	Low concentration of dissolved salts
pH	8.3	S.U.	Water is slightly alkaline
Alkalinity	124	mg CaCO3/L	Water is hard
Total Phosphorus	16	ug/L	Moderately phosphorus enriched
Nitrates	300	ug/L	Slightly nitrogen enriched
Chlorophyll		N/A	

## Trophic State Evaluation

	TSI	Trophic Status
Based on Secchi Disk Depth	45	mesotrophic
Based on Total Phosphorus	40	mesotrophic
Based on Chlorophyll	N/A	

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## Conclusions

- Conditions are good for fish growth.
- Minimum dissolved oxygen is adequate for good fish production.
- pH is within acceptable limits.
- Sample is somewhat phosphorus enriched. Create natural buffer between lawn & lakeshore.
- 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 Conroy*

Date 10/16/2014

Mrs. Jaimee Conroy, Technical Services Manager

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PRO** DEALER



PLM Lake & Land Management Corp  
P.O. Box 132  
Caledonia MI 49316-  
Phone: (616) 891-1294