

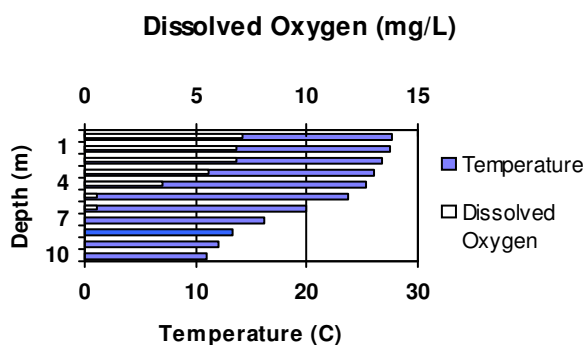
LAKE CHECK Water Quality Monitoring Report

2021176

Customer	Waterbody	Sample Information
Three Mile Lake	Three Mile Lake	Date: 8/19/2021
		Site: middle

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen (mg/L)	
		mg/L	%
0	27.6	7.1	90
1	27.4	6.9	87
2	26.8	6.9	86
3	26.0	5.6	69
4	25.3	3.5	42
5	23.7	0.5	6
6	19.9	0.5	6
7	16.1	0.1	1
8	13.3	0.1	1
9	12.0	0.1	1
10	11.0	0.1	1



Secchi Disk Depth 2.5 meters

Thermocline Depth 4.5 meters

Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	140	uS/cm	
Total Dissolved Solids	91	mg/L	Low concentration of dissolved salts
pH	8.3	S.U.	Water is slightly alkaline
Alkalinity	64	mg CaCO3/L	Water is soft
Total Phosphorus	32	ug/L	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	50	moderately eutrophic
Based on Chlorophyll	N/A	

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 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

Late summer phosphorus sample is taken below the thermocline. Phosphorus is expected to be higher at this depth

Report describes conditions at the time the sample was collected.

Approved by Jaimee Desjardins Date 12/1/2021
Mrs. Jaimee Desjardins, Technical Services Manager

FROM YOUR **WQ PRO** DEALER



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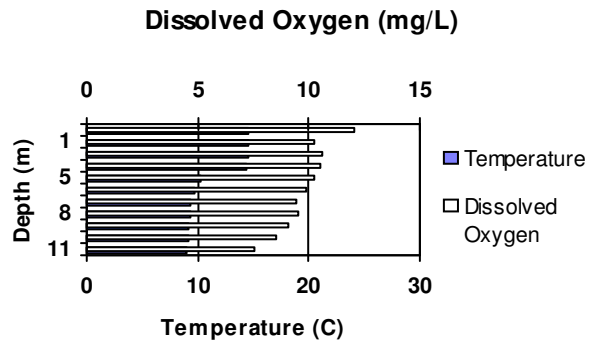
Water Quality Monitoring Report

2021177

Customer	Waterbody	Sample Information
Three Mile Lake	Three Mile Lake	Date: 4/9/2021
		Site: middle

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen (mg/L)	
		mg/L	%
0	14.6	12.1	124
1	14.6	10.3	99
2	14.5	10.6	104
3	14.4	10.5	103
5	10.3	10.2	92
6	9.7	9.9	87
7	9.4	9.4	82
8	9.3	9.5	83
9	9.2	9.1	80
10	9.1	8.6	75
11	9.0	7.5	70



Secchi Disk Depth 3.5 meters
 Thermocline Depth 4.5 meters

Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	135	uS/cm	
Total Dissolved Solids	88	mg/L	Low concentration of dissolved salts
pH	8.1	S.U.	Water is slightly alkaline
Alkalinity	61	mg CaCO3/L	Water is soft
Total Phosphorus	10	ug/L	Slightly phosphorus enriched
Nitrates	260	ug/L	Slightly nitrogen enriched
Chlorophyll	N/A		

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.
- Minimum dissolved oxygen is adequate for good fish production.
- 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 Jaimée Desjardins Date 12/1/2021
Mrs. Jaimée Desjardins, Technical Services Manager

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