

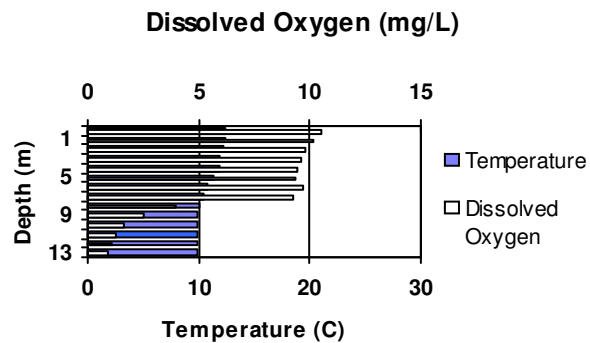


# Water Quality Monitoring Report

Customer	Waterbody	Sample Information
Three Mile Lake	3 mile lake	Date: 4/30/2020
		Site: deep hole

## On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen	
		mg/L	%
0	12.4	10.5	100
1	12.4	10.2	95
2	12.3	9.8	92
3	11.8	9.6	89
4	11.8	9.4	87
5	11.4	9.3	85
6	10.8	9.7	87
7	10.5	9.2	82
8	10.0	3.9	35
9	9.9	2.5	21
10	9.9	1.6	14
11	9.9	1.3	11
12	9.9	1.0	9
13	9.9	0.9	8



Secchi Disk Depth 3.4 meters  
 Thermocline Depth meters

## Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	128	uS/cm	
Total Dissolved Solids	83	mg/L	Low concentration of dissolved salts
pH	8.0	S.U.	Water is slightly alkaline
Alkalinity	54	mg CaCO3/L	Water is very soft
Total Phosphorus	10	ug/L	Slightly phosphorus enriched
Nitrates	304	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	

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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.
- 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 10/15/2020

Mrs. Jaimee Desjardins, Technical Services Manager

FROM YOUR



DEALER



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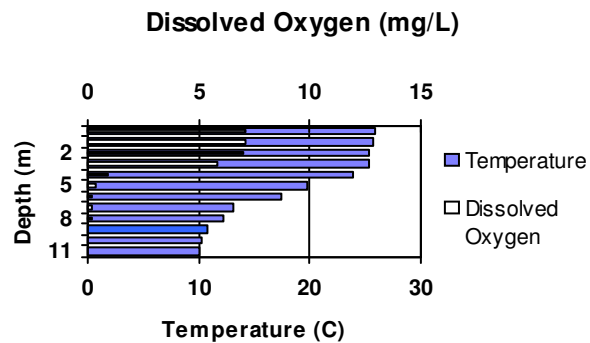


# Water Quality Monitoring Report

Customer	Waterbody	Sample Information
Three Mile Lake	3 mile lake	Date: 9/1/2020
		Site: deep hole

## On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen	
		mg/L	%
11	10.0	0.1	1
0	25.9	7.1	88
1	25.6	7.1	87
2	25.4	7.0	85
3	25.3	5.8	70
4	23.9	0.9	11
5	19.8	0.4	4
6	17.5	0.2	2
7	13.1	0.2	2
8	12.2	0.1	0
9	10.7	0.1	1
10	10.3	0.1	1



Secchi Disk Depth 2.3 meters  
 Thermocline Depth 3.5 meters

## Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	148	uS/cm	
Total Dissolved Solids	94	mg/L	Low concentration of dissolved salts
pH	7.8	S.U.	Water is slightly alkaline
Alkalinity	64	mg CaCO3/L	Water is soft
Total Phosphorus	10	ug/L	Slightly phosphorus enriched
Nitrates	247	ug/L	Not nitrogen enriched
Chlorophyll	N/A		

## Trophic State Evaluation

	TSI	Trophic Status
Based on Secchi Disk Depth	48	moderately eutrophic
Based on Total Phosphorus	33	meso-oligotrophic
Based on Chlorophyll	N/A	

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## Conclusions

- Conditions for fish growth are FAIR. (see cautions/warnings below)
- 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.
- REPEAT LakeCheck NEXT YEAR!

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  - OK, condition within acceptable limits.
  - NEUTRAL, condition neither good nor bad.

## Notes

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