



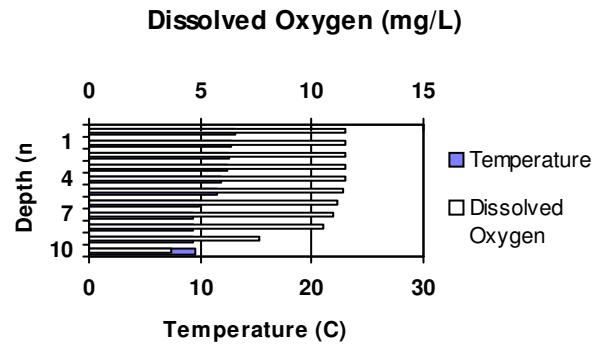
# Water Quality Monitoring Report

2014380

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

## On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen	
		mg/L	%
0	13.2	11.5	110
1	12.7	11.5	109
2	12.5	11.5	108
3	12.5	11.5	108
4	11.9	11.5	106
5	11.4	11.4	105
6	9.8	11.1	100
7	9.4	11.0	96
8	9.3	10.5	92
9	9.3	7.7	71
10	9.4	3.7	36



Secchi Disk Depth	4.0 meters
Thermocline Depth	5.5 meters

## Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	147	uS/cm	
Total Dissolved Solids	96	mg/L	Low concentration of dissolved salts
pH	8.1	S.U.	Water is slightly alkaline
Alkalinity	45	mg CaCO3/L	Water is very soft
Total Phosphorus	15	ug/L	Moderately phosphorus enriched
Nitrates	250	ug/L	Not nitrogen enriched
Chlorophyll	N/A		

## Trophic State Evaluation

	TSI	Trophic Status
Based on Secchi Disk Depth	40	mesotrophic
Based on Total Phosphorus	39	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 11/25/2014

Mrs. Jaimee Conroy, Technical Services Manager

FROM YOUR **WO  
PRO** DEALER



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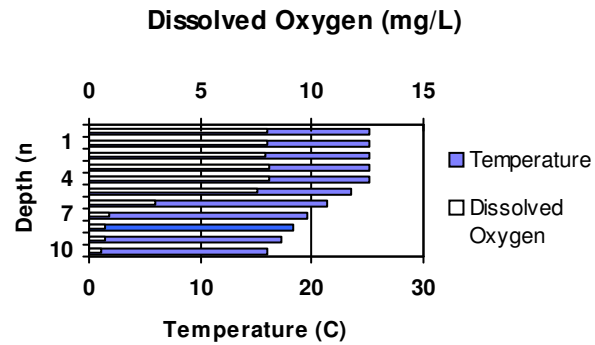
# Water Quality Monitoring Report

2014381

Customer	Waterbody	Sample Information
Three Mile Lake	Three Mile Lake	Date: 8/19/2014
		Site: Deep Hole

## On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen	
		mg/L	%
0	25.2	8.0	85
1	25.2	7.9	85
2	25.2	7.9	85
3	25.1	8.0	85
4	25.1	8.1	86
5	23.6	7.6	80
6	21.4	3.0	33
7	19.6	0.9	10
8	18.3	0.8	8
9	17.2	0.7	7
10	15.9	0.5	5



Secchi Disk Depth 3.0 meters  
 Thermocline Depth 4.5 meters

## Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	157	uS/cm	
Total Dissolved Solids	102	mg/L	Low concentration of dissolved salts
pH	8.2	S.U.	Water is slightly alkaline
Alkalinity	65	mg CaCO3/L	Water is soft
Total Phosphorus	8	ug/L	Slightly phosphorus enriched
Nitrates	250	ug/L	Not nitrogen enriched
Chlorophyll		N/A	

## Trophic State Evaluation

	TSI	Trophic Status
Based on Secchi Disk Depth	44	mesotrophic
Based on Total Phosphorus	30	oligotrophic
Based on Chlorophyll	N/A	

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## Conclusions

- Conditions for fish growth are FAIR. (see cautions/warnings below)
- Minimum dissolved oxygen is nearly low enough to adversely affect sensitive fish.
- 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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  - NEUTRAL, condition neither good nor bad.

## Notes

Report describes conditions at the time the sample was collected.

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