



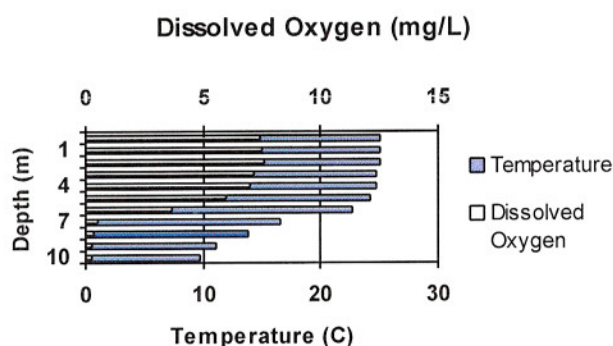
# Water Quality Monitoring Report

2008118

Customer	Waterbody	Sample Information
Three Mile Lake	Three Mile Lake	Date: 8/18/2008
Joyce Beedie PO Box 482 Paw Paw MI 49079		Site: Deep Hole

## On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen (mg/L)	
		mg/L	%
0	25.1	7.4	89
1	25.1	7.5	91
2	25.0	7.6	92
3	24.7	7.1	86
4	24.7	7.0	84
5	24.3	5.9	71
6	22.6	3.7	43
7	16.6	0.5	6
8	13.8	0.3	3
9	11.2	0.2	2
10	9.7	0.2	2



Secchi Disk Depth 3.4 meters

Thermocline Depth 5.5 meters

## Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	161	uS/cm	
Total Dissolved Solids	104	mg/L	Low concentration of dissolved salts
pH	7.6	S.U.	Water is slightly alkaline
Alkalinity	90	mg CaCO <sub>3</sub> /L	Water is soft
Total Phosphorus	55	ug/L	Phosphorus polluted
Nitrates	450	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	58	eutrophic
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.
- Sample is highly phosphorus enriched. Consider nutrient abatement measures.
- Deep water sample indicates possible internal loading of nutrients.
- 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

Report describes conditions at the time the sample was collected.

Approved by

  
Mrs. Jaimee Conroy, Technical Services Manager

Date 9/16/2008

FROM YOUR



DEALER



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