



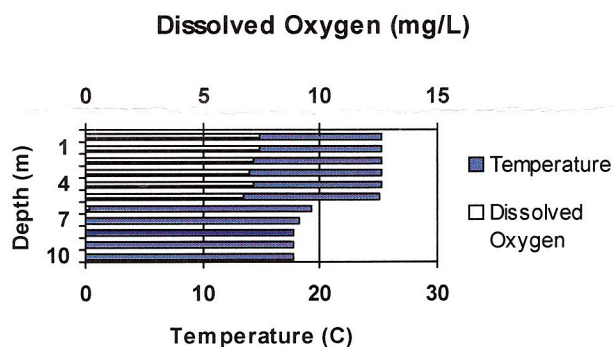
# Water Quality Monitoring Report

2010167

Customer	Waterbody	Sample Information
Three Mile Lake	Three Mile Lake	Date: 9/3/2010
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	25.3	7.4	78
1	25.3	7.4	78
2	25.3	7.2	75
3	25.3	7.0	73
4	25.2	7.2	75
5	25.1	6.7	69
6	19.3	0.2	2
7	18.3	0.1	1
8	17.7	0.1	1
9	17.7	0.1	1
10	17.7	0.1	1



Secchi Disk Depth 2.5 meters

Thermocline Depth 5.5 meters

## Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	154	uS/cm	
Total Dissolved Solids	100	mg/L	Low concentration of dissolved salts
pH	7.8	S.U.	Water is slightly alkaline
Alkalinity	70	mg CaCO3/L	Water is soft
Total Phosphorus	15	ug/L	Moderately phosphorus enriched
Nitrates	400	ug/L	Slightly nitrogen enriched
Chlorophyll	N/A		

## Trophic State Evaluation

	TSI	Trophic Status
Based on Secchi Disk Depth	47	mesotrophic
Based on Total Phosphorus	39	mesotrophic
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 somewhat phosphorus enriched. Use phosphorus-free fertilizer on lakeshore lawns.
- 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 10/25/2010

FROM YOUR



DEALER



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