



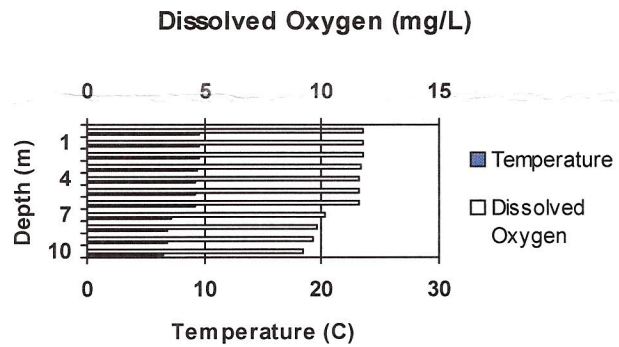
# Water Quality Monitoring Report

2010166

Customer	Waterbody	Sample Information
Three Mile Lake	Three Mile Lake	Date: 3/31/2010
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	9.6	11.8	103
1	9.6	11.8	103
2	9.5	11.7	103
3	9.3	11.7	102
4	9.3	11.6	101
5	9.2	11.6	101
6	9.1	11.6	100
7	7.2	10.2	85
8	6.8	9.8	80
9	6.8	9.7	79
10	6.4	9.2	72



Secchi Disk Depth 2.5 meters

Thermocline Depth 6.5 meters

## Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	155	uS/cm	
Total Dissolved Solids	97	mg/L	Low concentration of dissolved salts
pH	7.7	S.U.	Water is slightly alkaline
Alkalinity	55	mg CaCO <sub>3</sub> /L	Water is very soft
Total Phosphorus	26	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	47	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. Use phosphorus-free fertilizer on lakeshore lawns.
- 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

  
Mrs. Jaimee Conroy, Technical Services Manager

Date 10/25/2010

FROM YOUR **WQ** DEALER  
**PRO**



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