



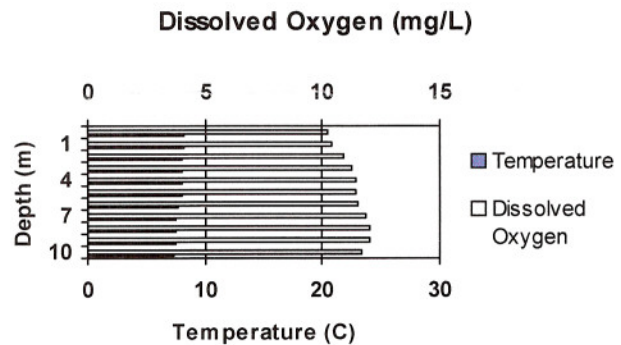
# Water Quality Monitoring Report

2009103

Customer	Waterbody	Sample Information
Three Mile Lake	Three Mile Lake	Date: 4/9/2009
Joyce Beedie PO Box 482 Paw Paw MI 49079		Site: Deep Hole

## On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen	
		mg/L	%
0	8.3	10.2	87
1	8.1	10.4	91
2	8.0	10.9	93
3	8.0	11.2	95
4	8.0	11.4	95
5	7.9	11.4	96
6	7.6	11.5	98
7	7.6	11.8	99
8	7.5	12.0	100
9	7.5	12.0	101
10	7.4	11.7	99



Secchi Disk Depth 3.1 meters

Thermocline Depth meters

## Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	182	uS/cm	
Total Dissolved Solids	147	mg/L	Low concentration of dissolved salts
pH	7.4	S.U.	Water is neutral (neither acid nor basic)
Alkalinity	70	mg CaCO3/L	Water is soft
Total Phosphorus	18	ug/L	Moderately phosphorus enriched
Nitrates	450	ug/L	Slightly nitrogen enriched
Chlorophyll	N/A		

## Trophic State Evaluation

	TSI	Trophic Status
Based on Secchi Disk Depth	44	mesotrophic
Based on Total Phosphorus	41	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 10/9/2009

FROM YOUR **WQ PRO** DEALER



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