



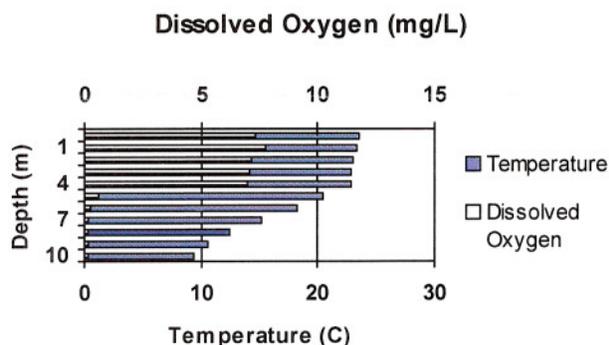
Water Quality Monitoring Report

2009104

Customer	Waterbody	Sample Information
Three Mile Lake	Three Mile Lake	Date: 8/24/2009
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	23.5	7.3	74
1	23.3	7.8	73
2	23.0	7.2	72
3	22.9	7.1	71
4	22.8	7.0	70
5	20.5	0.6	7
6	18.3	0.3	3
7	15.1	0.2	2
8	12.4	0.2	2
9	10.6	0.2	2
10	9.5	0.2	2



Secchi Disk Depth 1.9 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	7.4	S.U.	Water is neutral (neither acid nor basic)
Alkalinity	60	mg CaCO3/L	Water is soft
Total Phosphorus	81	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	51	moderately eutrophic
Based on Total Phosphorus	63	hypereutrophic
Based on Chlorophyll	N/A	

Conclusions

- Conditions are good for fish growth.
- 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 10/9/2009

FROM YOUR **WQ PRO** DEALER



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