



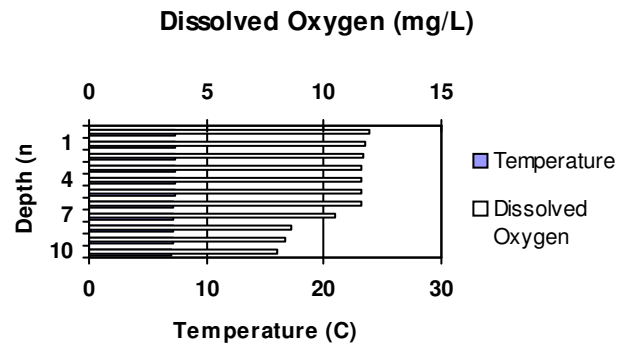
Water Quality Monitoring Report

2011382

Customer	Waterbody	Sample Information
Three Mile Lake Rich Maxwell PO Box 482 Paw Paw MI 49079	Three Mile Lake	Date: 4/7/2011 Site: Deep Hole

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen (mg/L)	
		mg/L	%
0	7.4	11.9	108
1	7.3	11.7	106
2	7.3	11.6	105
3	7.3	11.6	105
4	7.3	11.6	105
5	7.3	11.6	104
6	7.2	11.6	104
7	7.2	10.4	101
8	7.2	8.6	81
9	7.1	8.3	76
10	7.0	8.0	73



Secchi Disk Depth 2.8 meters
Thermocline Depth meters

Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	127	uS/cm	
Total Dissolved Solids	83	mg/L	Low concentration of dissolved salts
pH	7.8	S.U.	Water is slightly alkaline
Alkalinity	51	mg CaCO3/L	Water is very soft
Total Phosphorus	11	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	45	mesotrophic
Based on Total Phosphorus	34	meso-oligotrophic
Based on Chlorophyll	N/A	

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

Date 11/30/2011

Mrs. Jaimee Conroy, Technical Services Manager

FROM YOUR **WO
PRO** DEALER



PLM Lake & Land Management Corp
P.O. Box 132
Caledonia MI 49316-
Phone: (616) 891-1294



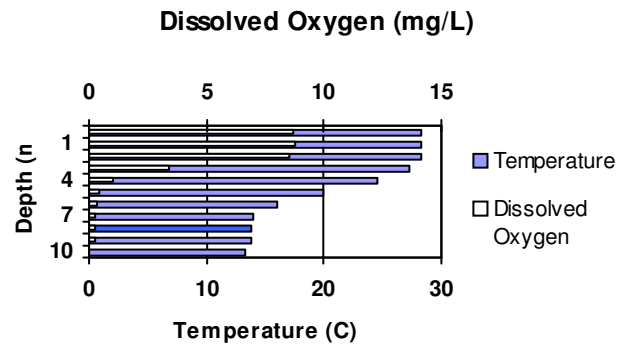
Water Quality Monitoring Report

2011383

Customer	Waterbody	Sample Information
Three Mile Lake Rich Maxwell PO Box 482 Paw Paw MI 49079	Three Mile Lake	Date: 8/4/2011 Site: Deep Hole

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen (mg/L)	
		mg/L	%
0	28.2	8.7	99
1	28.3	8.8	100
2	28.3	8.5	97
3	27.2	3.4	43
4	24.5	1.0	13
5	19.9	0.5	6
6	15.9	0.3	4
7	13.9	0.3	3
8	13.8	0.3	3
9	13.8	0.2	2
10	13.3	0.1	1



Secchi Disk Depth	3.1 meters
Thermocline Depth	4 meters

Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	147	uS/cm	
Total Dissolved Solids	96	mg/L	Low concentration of dissolved salts
pH	7.7	S.U.	Water is slightly alkaline
Alkalinity	72	mg CaCO3/L	Water is soft
Total Phosphorus	17	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	44	mesotrophic
Based on Total Phosphorus	41	mesotrophic
Based on Chlorophyll	N/A	

Conclusions

- Conditions for fish growth are FAIR. (see cautions/warnings below)
- Minimum dissolved oxygen is nearly low enough to adversely affect sensitive fish.
- 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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