

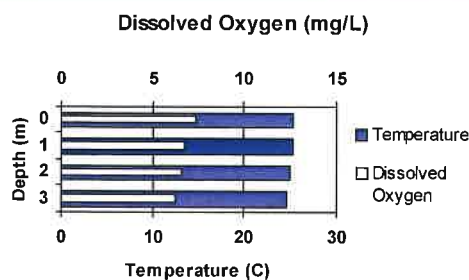
LAKE CHECK Water Quality Monitoring Report

2024142

Customer	Waterbody	Sample Information
Village Condominiums	Village Condo Small Pond	Date: 7/10/2024
		Site: Middle

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen mg/L	%
0	25.4	7.4	88
1	25.3	6.8	86
2	24.9	6.6	82
3	24.7	6.2	74



Secchi Disk Depth 3.0 meters

Thermocline Depth meters

Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)	<4.0	CFU/100 mL	Bacteria count is below detection limit
Conductivity	703	uS/cm	
Total Dissolved Solids	451	mg/L	Moderate concentration of dissolved salts
pH	8.7	S.U.	Water is slightly alkaline
Alkalinity	125	mg CaCO3/L	Water is hard
Total Phosphorus	18	ug/L	Moderately phosphorus enriched
Nitrates	100	ug/L	Not 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

- Water meets bacteriological standards for safe swimming.
- Conditions are good for fish growth.
- Minimum dissolved oxygen is nearly low enough to adversely affect sensitive fish.
- pH is within acceptable limits.
- Sample is somewhat phosphorus enriched. Create natural buffer between lawn & lakeshore.
- REPEAT LakeCheck NEXT YEAR!

-
- 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

Jaimee Desjardins

Date 11/1/2024

Mrs. Jaimee Desjardins, Technical Services Manager

FROM YOUR



DEALER



PLM Lake & Land Management Corp

P.O. Box 132

Caledonia MI 49316-

Phone: (616) 891-1294