



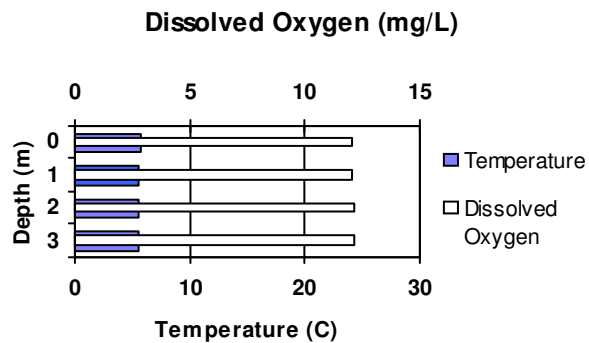
Water Quality Monitoring Report

2023273

Customer	Waterbody	Sample Information
Sunset Lake	Sunset Lake	Date: 3/9/2023
	Area: acres	Site: Middle
	Depth: Feet (max)	
	Feet (avg.)	

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen (mg/L)	
		mg/L	%
0	5.7	12.1	96
1	5.6	12.1	96
2	5.6	12.1	96
3	5.6	12.1	96



Secchi Disk Depth	1.8 meters
Thermocline Depth	meters

Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	434	uS/cm	
Total Dissolved Solids	282	mg/L	Moderate concentration of dissolved salts
pH	8.8	S.U.	Water is slightly alkaline
Alkalinity	151	mg CaCO3/L	Water is hard
Total Phosphorus	10	ug/L	Slightly phosphorus enriched
Nitrates	440	ug/L	Slightly nitrogen enriched
Chlorophyll	N/A		

Trophic State Evaluation

	TSI	Trophic Status
Based on Secchi Disk Depth	52	moderately eutrophic
Based on Total Phosphorus	33	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.
- Phosphorus and Nitrogen are within acceptable limits.
- No remedial action recommended at this time.
- 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 Jaimée Desjardins Date 11/28/2023
Mrs. Jaimée Desjardins, Technical Services Manager

FROM YOUR **WQ PRO** DEALER



PLM Lake & Land Management Corp
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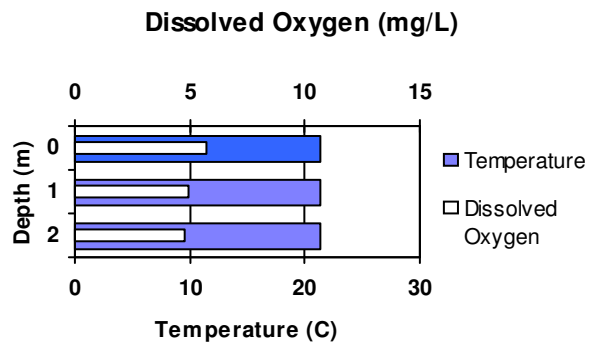
Water Quality Monitoring Report

2023274

Customer	Waterbody	Sample Information
Sunset Lake	Sunset Lake	Date: 8/18/2023
	Area: acres	Site: Middle
	Depth: Feet (max)	
	Feet (avg.)	

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen	
		mg/L	%
0	21.3	5.7	66
1	21.3	4.9	57
2	21.3	4.8	56



Secchi Disk Depth	meters
Thermocline Depth	meters

Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	399	uS/cm	
Total Dissolved Solids	279	mg/L	Moderate concentration of dissolved salts
pH	7.9	S.U.	Water is slightly alkaline
Alkalinity	168	mg CaCO3/L	Water is hard
Total Phosphorus	42	ug/L	Phosphorus enriched
Nitrates	230	ug/L	Not nitrogen enriched
Chlorophyll	N/A		

Trophic State Evaluation

	TSI	Trophic Status
Based on Secchi Disk Depth	N/A	
Based on Total Phosphorus	54	moderately eutrophic
Based on Chlorophyll	N/A	

Conclusions

- Conditions for fish growth are FAIR. (see cautions/warnings below)
- pH is within acceptable limits.
- Sample is somewhat phosphorus enriched. Create natural buffer between lawn & lakeshore.
- REPEAT LakeCheck NEXT YEAR!

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 - 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

Jaimée Desjardins

Date 11/28/2023

Mrs. Jaimée Desjardins, Technical Services Manager

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