

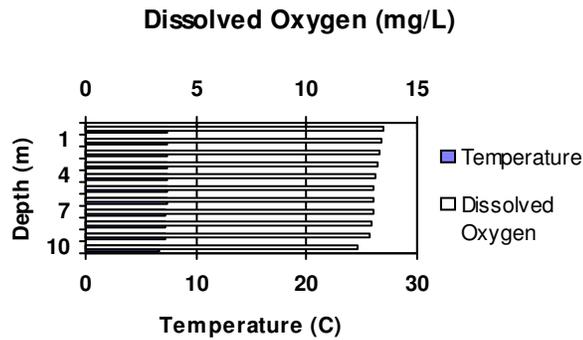
LAKE CHECK Water Quality Monitoring Report

2024485

Customer	Waterbody	Sample Information
Crystal Lake	Crystal Lake	Date: 4/3/2024
	Area: acres	Site: Middle
	Depth: Feet (max)	
	Feet (avg.)	

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen (mg/L)	
		mg/L	%
0	7.4	13.5	112
1	7.4	13.4	112
2	7.4	13.3	111
3	7.4	13.2	110
4	7.4	13.1	110
5	7.3	13.0	108
6	7.3	13.0	107
7	7.2	13.0	108
8	7.2	12.9	108
9	7.1	12.8	106
10	6.7	12.3	102



Secchi Disk Depth 3.0 meters
 Thermocline Depth meters

Analytical Results

Parameter	Result	Units	Interpretation
Conductivity	292	uS/cm	
Total Dissolved Solids	790	mg/L	High concentration of dissolved salts
pH	8.5	S.U.	Water is slightly alkaline
Alkalinity	123	mg CaCO3/L	Water is hard
Total Phosphorus	10	ug/L	Slightly phosphorus enriched
Nitrates	230	ug/L	Not nitrogen enriched

Trophic State Evaluation

	TSI	Trophic Status
Based on Secchi Disk Depth	44	mesotrophic
Based on Total Phosphorus	33	meso-oligotrophic

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 Jaimee Desjardins Date 11/26/2024
Mrs. Jaimee Desjardins, Technical Services Manager

FROM YOUR **WQ
PRO** DEALER



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