

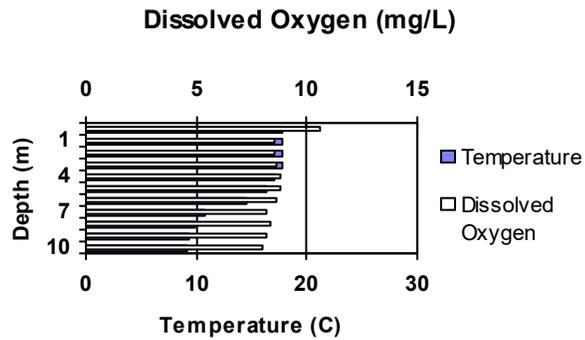


Water Quality Monitoring Report

Customer	Waterbody	Sample Information
Crystal Lake (Jackson)	Crystal Lake	Date: 5/28/2025
	Area: acres	Site: Middle
	Depth: Feet (max)	
	Feet (avg.)	

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen (mg/L)	
		mg/L	%
0	17.7	10.6	107
1	17.7	8.5	90
2	17.7	8.5	89
3	17.7	8.6	90
4	17.0	8.8	91
5	16.4	8.8	88
6	14.6	8.6	84
7	10.8	8.2	82
8	9.8	8.3	73
9	9.3	8.2	72
10	9.1	8.0	68



Secchi Disk Depth 2.5 meters
 Thermocline Depth meters

Analytical Results

Parameter	Result	Units	Interpretation
Conductivity	182	uS/cm	
Total Dissolved Solids	280	mg/L	Moderate concentration of dissolved salts
pH	8.4	S.U.	Water is slightly alkaline
Alkalinity	113	mg CaCO3/L	Water is soft
Total Phosphorus	24	ug/L	Moderately phosphorus enriched
Nitrates	230	ug/L	Not nitrogen enriched

Trophic State Evaluation

	TSI	Trophic Status
Based on Secchi Disk Depth	47	mesotrophic
Based on Total Phosphorus	46	mesotrophic

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 11/21/2025
Mrs. Jaimee Desjardins, Technical Services Manager

FROM YOUR **WQ
PRO** DEALER



PLM Lake & Land Management Corp
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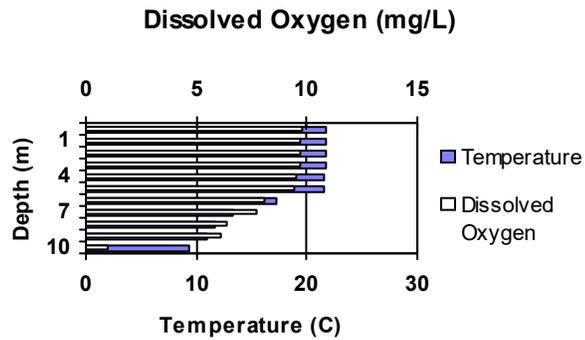


Water Quality Monitoring Report

Customer	Waterbody	Sample Information
Crystal Lake (Jackson)	Crystal Lake	Date: 9/18/2025
	Area: acres	Site: Middle
	Depth: Feet (max)	
	Feet (avg.)	

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen (mg/L)	
		mg/L	%
0	21.7	9.8	97
1	21.7	9.7	97
2	21.7	9.7	97
3	21.7	9.7	97
4	21.6	9.5	94
5	21.5	9.4	93
6	17.3	8.1	90
7	13.3	7.7	80
8	11.7	6.4	74
9	11.0	6.1	69
10	9.3	1.0	65



Secchi Disk Depth 4.0 meters
 Thermocline Depth 6 meters

Analytical Results

Parameter	Result	Units	Interpretation
Conductivity	291	uS/cm	
Total Dissolved Solids	196	mg/L	Low concentration of dissolved salts
pH	8.7	S.U.	Water is slightly alkaline
Alkalinity	129	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	40	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 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

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