



Water Quality Monitoring Report

2021303

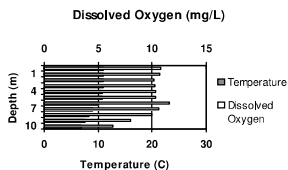
Customer	Waterbody	Sample Information
Crystal Lake (Jackson)	Crystal Lake	Date: 4/21/2021
	Area: acres	Site: Deep Hole
	Depth: Feet (max)	
	Feet (avg.)	

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen mg/L	%
0	11.0	10.8	98
1	11.0	10.7	97
2	11.0	10.2	92
3	11.0	10.2	93
4	10.8	10.3	93
5	10.7	10.4	93
6	10.0	11.6	103
7	8.9	10.6	100
8	8.3	9.9	85
9	7.6	8.0	66
10	6.8	6.4	52

Secchi Disk Depth 7.0 meters

Thermocline Depth meters



Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	274	uS/cm	
Total Dissolved Solids	176	mg/L	Low concentration of dissolved salts
pH	8.8	S.U.	Water is slightly alkaline
Alkalinity	100	mg CaCO ₃ /L	Water is soft
Total Phosphorus	9	ug/L	Slightly phosphorus enriched
Nitrates	230	ug/L	Not nitrogen enriched
Chlorophyll	N/A		

Trophic State Evaluation

	TSI	Trophic Status
Based on Secchi Disk Depth	32	meso-oligotrophic
Based on Total Phosphorus	31	meso-oligotrophic
Based on Chlorophyll	N/A	

Conclusions

- ☒ Water meets bacteriological standards for safe swimming.
- ☒ 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.
- ☒ 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 11/30/2021

Mrs. Jaimée Desjardins, 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

2021388

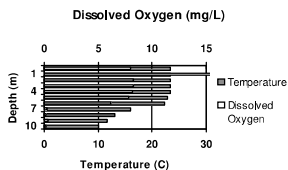
Customer	Waterbody	Sample Information
Crystal Lake (Jackson)	Crystal Lake	Date: 9/14/2021
	Area: acres	Site: Deep Hole
	Depth: Feet (max)	
	Feet (avg.)	

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen mg/L	%
0	23.3	8.0	100
1	23.3	101.3	9
2	23.3	8.3	99
3	23.3	8.2	98
4	23.3	8.2	96
5	22.9	7.8	92
6	22.3	6.2	77
7	16.0	0.3	4
8	13.2	0.1	1
9	11.6	0.4	3
10	10.0	0.1	1

Secchi Disk Depth 3.5 meters

Thermocline Depth 7 meters



Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	250	uS/cm	
Total Dissolved Solids	162	mg/L	Low concentration of dissolved salts
pH	8.7	S.U.	Water is slightly alkaline
Alkalinity	92	mg CaCO ₃ /L	Water is soft
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	42	mesotrophic
Based on Total Phosphorus	41	mesotrophic
Based on Chlorophyll	N/A	

Conclusions

- Conditions are good for fish growth.
- Minimum dissolved oxygen is adequate for good fish production.
- Bottom water is deoxygenated, preventing fish from living in cooler water at bottom of lake.
- 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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 - 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
Mrs. Jaimee Desjardins, Technical Services Manager

Date 12/6/2021

FROM YOUR



DEALER



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