

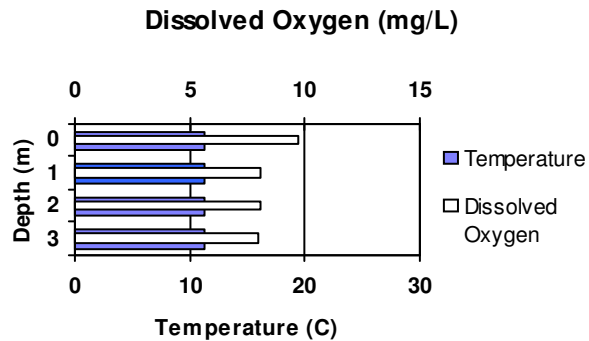


Water Quality Monitoring Report

Customer	Waterbody	Sample Information
Perch Lake (Jackson)	Perch Lake	Date: 4/21/2021
		Site: Middle

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen	
		mg/L	%
0	11.3	9.7	80
1	11.3	8.0	73
2	11.3	8.0	73
3	11.2	8.0	73



Secchi Disk Depth	3.0 meters
Thermocline Depth	meters

Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	314	uS/cm	
Total Dissolved Solids	204	mg/L	Moderate concentration of dissolved salts
pH	8.90	S.U.	Water is slightly alkaline
Alkalinity	131	mg CaCO3/L	Water is hard
Total Phosphorus	10	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	44	mesotrophic
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 11/30/2021

Mrs. Jaimée Desjardins, Technical Services Manager

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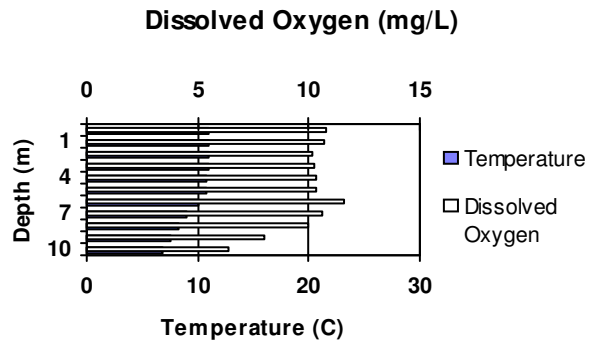


Water Quality Monitoring Report

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)	
		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 CaCO3/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.

-
- 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 11/30/2021
Mrs. Jaimee Desjardins, Technical Services Manager

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