

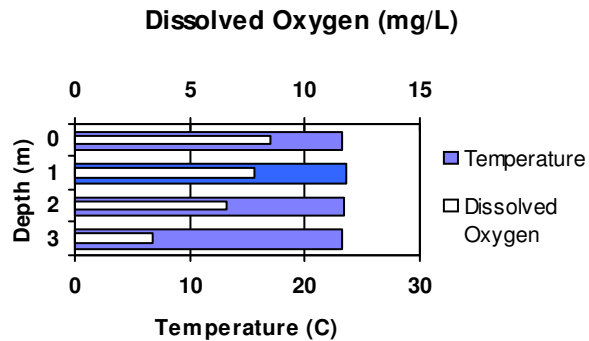


# Water Quality Monitoring Report

Customer	Waterbody	Sample Information
Perch Lake (Jackson)	Perch Lake	Date: 9/13/2021
		Site: Middle

## On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen	
		mg/L	%
0	23.3	8.5	102
1	23.5	7.8	93
2	23.4	6.6	78
3	23.3	3.3	43



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	278	uS/cm	
Total Dissolved Solids	180	mg/L	Low concentration of dissolved salts
pH	8.0	S.U.	Water is slightly alkaline
Alkalinity	83	mg CaCO3/L	Water is soft
Total Phosphorus	10	ug/L	Slightly phosphorus enriched
Nitrates	100	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	

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## 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

Report describes conditions at the time the sample was collected.

Approved by Jaimee Desjardins Date 12/6/2021  
Mrs. Jaimee Desjardins, Technical Services Manager

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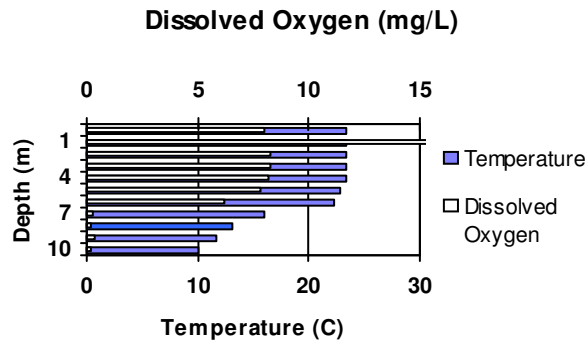


# Water Quality Monitoring Report

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)	
		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 CaCO3/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	

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## 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!

- 
- 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.

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