



Water Quality Monitoring Report

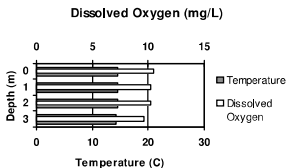
2019005

Customer	Waterbody	Sample Information
Perch Lake (Jackson)	Perch Lake	Date: 4/27/2019
		Site: Deep Hole

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen mg/L	%
0	14.6	10.4	102
1	14.5	10.2	100
2	14.5	10.2	95
3	14.2	9.6	96

Secchi Disk Depth	2.0 meters
Thermocline Depth	meters



Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	254	uS/cm	
Total Dissolved Solids	206	mg/L	Moderate concentration of dissolved salts
pH	8.4	S.U.	Water is slightly alkaline
Alkalinity	130	mg CaCO ₃ /L	Water is hard
Total Phosphorus	7	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	50	moderately eutrophic
Based on Total Phosphorus	28	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.
- 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

Jaimie Conroy

Date 8/15/2019

Mrs. Jaimie Conroy, Technical Services Manager

FROM YOUR



DEALER



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