

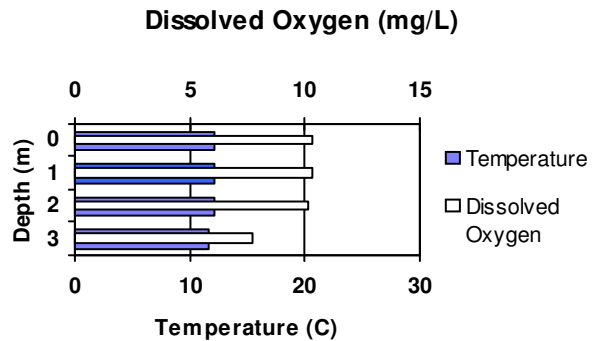


Water Quality Monitoring Report

Customer	Waterbody	Sample Information
Perch Lake (Jackson)	Perch Lake	Date: 4/25/2018
		Site: Middle

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen	
		mg/L	%
0	12.2	10.3	97
1	12.2	10.3	96
2	12.1	10.1	96
3	11.6	7.7	71



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	320	uS/cm	
Total Dissolved Solids	208	mg/L	Moderate concentration of dissolved salts
pH	8.3	S.U.	Water is slightly alkaline
Alkalinity	121	mg CaCO3/L	Water is hard
Total Phosphorus	11	ug/L	Moderately phosphorus enriched
Nitrates	310	ug/L	Slightly nitrogen enriched
Chlorophyll	N/A		

Trophic State Evaluation

	TSI	Trophic Status
Based on Secchi Disk Depth	44	mesotrophic
Based on Total Phosphorus	34	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

Jaimee Conroy

Date 11/29/2018

Mrs. Jaimee Conroy, Technical Services Manager

FROM YOUR **WQ
PRO** DEALER



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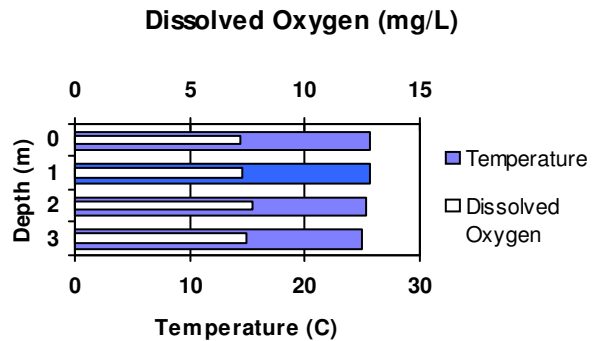


Water Quality Monitoring Report

Customer	Waterbody	Sample Information
Perch Lake (Jackson)	Perch Lake	Date: 8/27/2018
		Site: Middle

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen	
		mg/L	%
0	25.7	7.2	89
1	25.7	7.3	90
2	25.4	7.7	94
3	25.0	7.5	92



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	242	uS/cm	
Total Dissolved Solids	157	mg/L	Low concentration of dissolved salts
pH	8.5	S.U.	Water is slightly alkaline
Alkalinity	81	mg CaCO3/L	Water is soft
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 NEXT YEAR!

-
- WARNING, condition requires immediate attention.
 - CAUTION, condition requires further evaluation.
 - OK, condition within acceptable limits.
 - NEUTRAL, condition neither good nor bad.

Notes

Surface Inlet Phosphorus 10 ug/l Nitrogen <230 ug/l

Report describes conditions at the time the sample was collected.

Approved by Jaimee Conroy Date 11/29/2018
Mrs. Jaimee Conroy, Technical Services Manager

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