



Water Quality Monitoring Report

2016035

Customer

Big Brower Lake

Waterbody

Big Brower Lake

Sample Information

Date: 8/29/2016

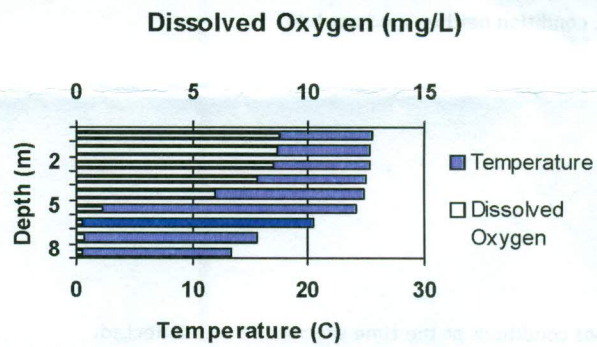
Site: Deep Hole

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen	
		mg/L	%
0	25.5	8.8	107
1	25.4	8.7	106
2	25.4	8.5	103
3	25.0	7.8	95
4	24.8	6.0	69
5	24.1	1.1	11
6	20.5	0.3	3
7	15.6	0.4	4
8	13.3	0.3	2

Secchi Disk Depth 3.1 meters

Thermocline Depth 5.5 meters



Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	318	uS/cm	
Total Dissolved Solids	206	mg/L	Moderate concentration of dissolved salts
pH	8.5	S.U.	Water is slightly alkaline
Alkalinity	85	mg CaCO ₃ /L	Water is soft
Total Phosphorus	8	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	30	oligotrophic
Based on Chlorophyll	N/A	

Conclusions

- G ● Conditions are good for fish growth.
 - Y ● Minimum dissolved oxygen is nearly low enough to adversely affect sensitive fish.
 - Y ● Bottom water is deoxygenated, preventing fish from living in cooler water at bottom of lake.
 - G ● pH is within acceptable limits.
 - G ● Phosphorus and Nitrogen are within acceptable limits.
 - G ● REPEAT LakeCheck NEXT YEAR!
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- R ● WARNING. condition requires immediate attention.
 - Y ● CAUTION. condition requires further evaluation.
 - G ● OK. condition within acceptable limits.
 - B ● NEUTRAL. condition neither good nor bad.

Notes

Report describes conditions at the time the sample was collected.

Approved by



Date 11/28/2016

Mrs. Jaimee Conroy, Technical Services Manager

FROM YOUR  DEALER



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