



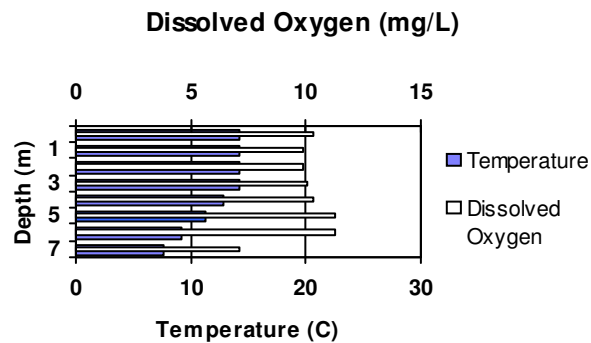
Water Quality Monitoring Report

2017223

Customer	Waterbody	Sample Information
Crystal Lake (Jackson)	Crystal Lake	Date: 4/19/2017
	Area: acres	Site: Middle
	Depth: Feet (max)	
	Feet (avg.)	

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen (mg/L)	
		mg/L	%
0	14.3	10.3	102
1	14.3	9.9	97
2	14.3	9.9	96
3	14.2	10.1	98
4	12.8	10.3	98
5	11.2	11.2	103
6	9.2	11.3	99
7	7.7	7.1	60



Secchi Disk Depth 3.0 meters
Thermocline Depth 4 meters

Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	290	uS/cm	
Total Dissolved Solids	188	mg/L	Low concentration of dissolved salts
pH	8.5	S.U.	Water is slightly alkaline
Alkalinity	108	mg CaCO3/L	Water is soft
Total Phosphorus	19	ug/L	Moderately phosphorus enriched
Nitrates	249	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	42	mesotrophic
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

Jaimee Conroy

Date 12/1/2017

Mrs. Jaimee Conroy, Technical Services Manager

FROM YOUR **WO
PRO** DEALER



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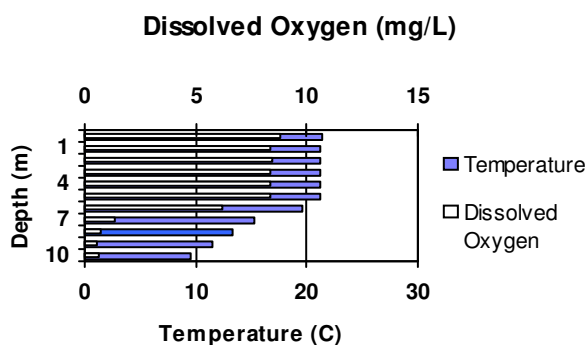
LAKE CHECK Water Quality Monitoring Report

2017224

Customer	Waterbody	Sample Information
Crystal Lake (Jackson)	Crystal Lake	Date: 9/5/2017
	Area: acres	Site: Middle
	Depth: Feet (max)	
	Feet (avg.)	

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen (mg/L)	
		mg/L	%
0	21.4	8.8	94
1	21.2	8.4	90
2	21.2	8.4	91
3	21.2	8.4	90
4	21.2	8.4	90
5	21.2	8.4	90
6	19.6	6.2	66
7	15.2	1.4	15
8	13.3	0.7	8
9	11.5	0.5	6
10	9.6	0.6	6



Secchi Disk Depth 5.0 meters

Thermocline Depth 7 meters

Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	289	uS/cm	
Total Dissolved Solids	178	mg/L	Low concentration of dissolved salts
pH	8.3	S.U.	Water is slightly alkaline
Alkalinity	83	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	37	meso-oligotrophic
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.
- 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.

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