

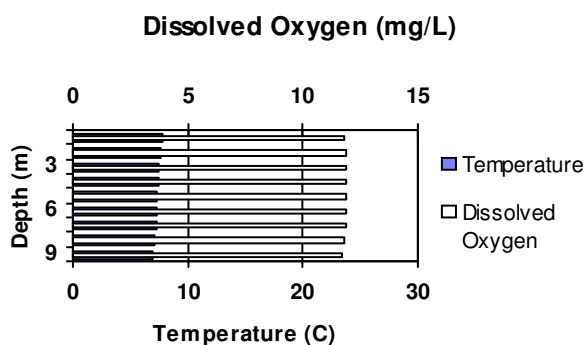
LAKE CHECK Water Quality Monitoring Report

2024705

Customer	Waterbody	Sample Information
Budd Lake	Budd	Date: 4/9/2024
		Site: Middle

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen mg/L	%
0	7.8	11.8	99
1	7.6	11.9	99
3	7.5	11.9	99
4	7.4	11.9	99
5	7.3	11.9	99
6	7.3	11.9	99
7	7.2	11.9	99
8	7.1	11.8	98
9	7.0	11.7	97



Secchi Disk Depth 9.0 meters

Thermocline Depth meters

Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	482	uS/cm	
Total Dissolved Solids	314	mg/L	Moderate concentration of dissolved salts
pH	8.1	S.U.	Water is slightly alkaline
Alkalinity	111	mg CaCO ₃ /L	Water is soft
Total Phosphorus	5	ug/L	Not phosphorus enriched
Nitrates	230	ug/L	Not nitrogen enriched
Chlorophyll	N/A		

Trophic State Evaluation

	TSI	Trophic Status
Based on Secchi Disk Depth	28	oligotrophic
Based on Total Phosphorus	23	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

Jaimee Desjardins

Date 11/12/2024

Mrs. Jaimee Desjardins, Technical Services Manager

FROM YOUR



DEALER



PLM Lake & Land Management Corp
P.O. Box 132
Caledonia MI 49316-
Phone: (616) 891-1294

LAKE CHECK Water Quality Monitoring Report

2024707

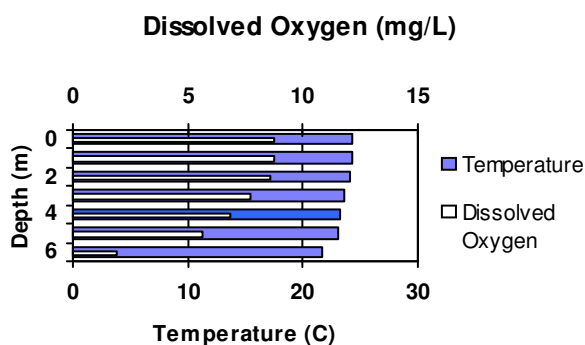
Customer	Waterbody	Sample Information
Budd Lake	Budd Lake	Date: 8/15/2024
		Site: Middle

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen mg/L	%
0	24.3	8.8	105
1	24.3	8.8	105
2	24.1	8.6	103
3	23.6	7.8	92
4	23.3	6.9	81
5	23.0	5.6	66
6	21.7	1.9	12

Secchi Disk Depth 4.0 meters

Thermocline Depth meters



Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	465	uS/cm	
Total Dissolved Solids	302	mg/L	Moderate concentration of dissolved salts
pH	8.5	S.U.	Water is slightly alkaline
Alkalinity	90	mg CaCO3/L	Water is soft
Total Phosphorus	5	ug/L	Not phosphorus enriched
Nitrates	230	ug/L	Not nitrogen enriched
Chlorophyll	N/A		

Trophic State Evaluation

	TSI	Trophic Status
Based on Secchi Disk Depth	40	mesotrophic
Based on Total Phosphorus	23	oligotrophic
Based on Chlorophyll	N/A	

Conclusions

- Conditions are good for fish growth.
- Minimum dissolved oxygen is nearly low enough to adversely affect sensitive fish.
- pH is within acceptable limits.
- Phosphorus and Nitrogen are within acceptable limits.
- REPEAT LakeCheck NEXT YEAR!

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 - NEUTRAL, condition neither good nor bad.

Notes

Report describes conditions at the time the sample was collected.

Approved by

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