



Water Quality Monitoring Report

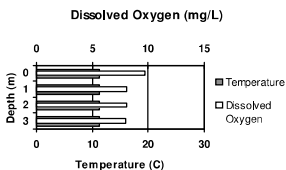
2021302

Customer	Waterbody	Sample Information
Perch Lake (Jackson)	Perch Lake	Date: 4/21/2021
		Site: Middle

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen mg/L	%
0	11.3	9.7	80
1	11.3	8.0	73
2	11.3	8.0	73
3	11.2	8.0	73

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	314	uS/cm	
Total Dissolved Solids	204	mg/L	Moderate concentration of dissolved salts
pH	8.90	S.U.	Water is slightly alkaline
Alkalinity	131	mg CaCO ₃ /L	Water is hard
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 in Fall.

-
- ☐ 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

Jaimée Desjardins
Mrs. Jaimée Desjardins, Technical Services Manager

Date 11/30/2021

FROM YOUR **WO PRO** DEALER



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



Water Quality Monitoring Report

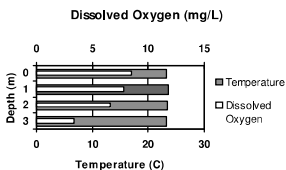
2021387

Customer	Waterbody	Sample Information
Perch Lake (Jackson)	Perch Lake	Date: 9/13/2021
		Site: Middle

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen mg/L	%
0	23.3	8.5	102
1	23.5	7.8	93
2	23.4	6.6	78
3	23.3	3.3	43

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	278	uS/cm	Low concentration of dissolved salts
Total Dissolved Solids	180	mg/L	
pH	8.0	S.U.	Water is slightly alkaline
Alkalinity	83	mg CaCO ₃ /L	Water is soft
Total Phosphorus	10	ug/L	Slightly phosphorus enriched
Nitrates	100	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

Report describes conditions at the time the sample was collected.

Approved by

Jaimée Desjardins

Date 12/6/2021

Mrs. Jaimée Desjardins, Technical Services Manager

FROM YOUR **WO PRO** DEALER



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