



Water Quality Monitoring Report

2025838

Customer

Lake Bel Air

Waterbody

Lake Bel Air

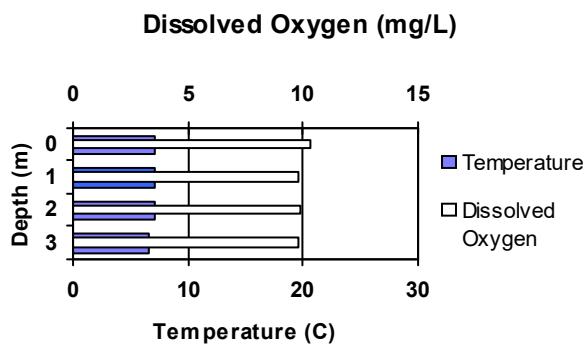
Sample Information

Date: 4/8/2025

Site: Middle

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen mg/L	%
0	7.1	10.4	86
1	7.1	9.8	82
2	7.1	9.9	79
3	6.6	9.8	81



Secchi Disk Depth 0.5 meters

Thermocline Depth meters

Analytical Results

Parameter	Result	Units	Interpretation
Conductivity	379	uS/cm	
Total Dissolved Solids	250	mg/L	Moderate concentration of dissolved salts
pH	8.0	S.U.	Water is slightly alkaline
Alkalinity	185	mg CaCO ₃ /L	Water is very hard
Total Phosphorus	34	ug/L	Phosphorus enriched
Nitrates	230	ug/L	Not nitrogen enriched

Trophic State Evaluation

	TSI	Trophic Status
Based on Secchi Disk Depth	70	hypereutrophic
Based on Total Phosphorus	51	moderately eutrophic

Conclusions

- Minimum dissolved oxygen is adequate for good fish production.
- pH is within acceptable limits.
- Sample is somewhat phosphorus enriched. Create natural buffer between lawn & lakeshore.
- 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



Date 11/19/2025

Mrs. Jaimee Desjardins, Technical Services Manager

FROM YOUR **WQ** DEALER



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



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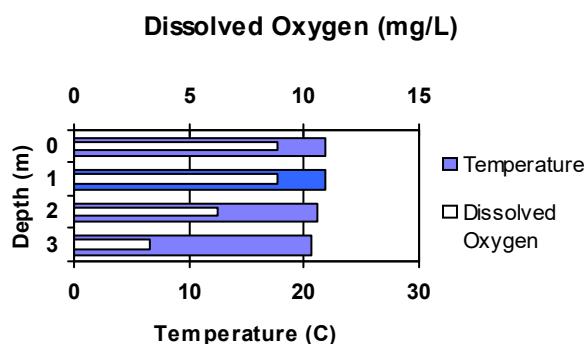
Sample Information

Date: 9/3/2025

Site: Middle

On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen mg/L	%
0	21.8	8.8	101
1	21.8	8.8	100
2	21.1	6.2	80
3	20.6	3.3	40



Secchi Disk Depth 0.5 meters

Thermocline Depth meters

Analytical Results

Parameter	Result	Units	Interpretation
Conductivity	273	uS/cm	
Total Dissolved Solids	394	mg/L	Moderate concentration of dissolved salts
pH	8.8	S.U.	Water is slightly alkaline
Alkalinity	172	mg CaCO ₃ /L	Water is hard
Total Phosphorus	94	ug/L	Phosphorus polluted
Nitrates	230	ug/L	Not nitrogen enriched

Trophic State Evaluation

	TSI	Trophic Status
Based on Secchi Disk Depth	70	hypereutrophic
Based on Total Phosphorus	65	hypereutrophic

Conclusions

- Minimum dissolved oxygen is adequate for good fish production.
- pH is within acceptable limits.
- Sample is somewhat nutrient (N and P) enriched. Adopt appropriate lakeshore landscaping and lawn care practices.
- 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

Jaimee Desjardins

Date 11/19/2025

Mrs. Jaimee Desjardins, Technical Services Manager

FROM YOUR



DEALER



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