

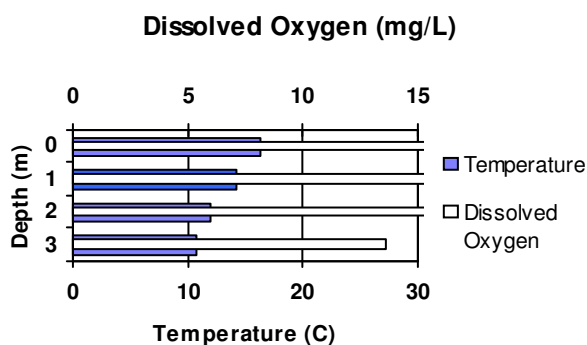
# LAKE CHECK Water Quality Monitoring Report

2016315

Customer	Waterbody	Sample Information
Lake Bel Air	Lake Bel Air	Date: 4/18/2016
		Site: Deep Hole

## On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen	
		mg/L	%
0	16.3	15.6	159
1	14.3	16.6	163
2	12.1	16.2	152
3	10.8	13.6	125



Secchi Disk Depth	2.0 meters
Thermocline Depth	2 meters

## Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	495	uS/cm	
Total Dissolved Solids	322	mg/L	Moderate concentration of dissolved salts
pH	8.5	S.U.	Water is slightly alkaline
Alkalinity	194	mg CaCO3/L	Water is very hard
Total Phosphorus	10	ug/L	Slightly phosphorus enriched
Nitrates	2680	ug/L	Nitrogen polluted
Chlorophyll	N/A		

## Trophic State Evaluation

	TSI	Trophic Status
Based on Secchi Disk Depth	50	moderately eutrophic
Based on Total Phosphorus	33	meso-oligotrophic
Based on Chlorophyll	N/A	

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## Conclusions

- Conditions are good for fish growth.
- Minimum dissolved oxygen is adequate for good fish production.
- pH is within acceptable limits.
- Sample is highly nitrogen enriched. Consider nutrient abatement measures
- 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 11/29/2016

Mrs. Jaimee Conroy, Technical Services Manager

FROM YOUR **WO PRO** DEALER



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

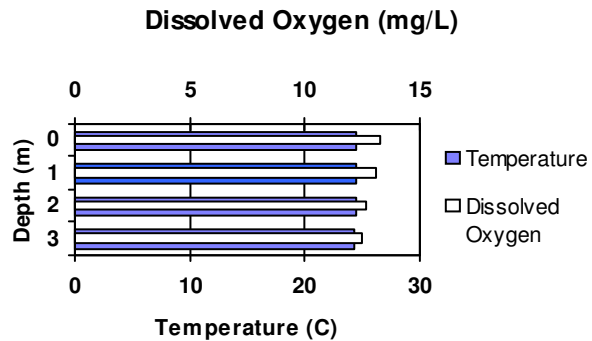


# Water Quality Monitoring Report

Customer	Waterbody	Sample Information
Lake Bel Air	Lake Bel Air	Date: 8/24/2016
		Site: Deep Hole

## On-Site Results

Depth (m)	Temperature (degrees C)	Dissolved Oxygen	
		mg/L	%
0	24.5	13.3	160
1	24.4	13.1	158
2	24.4	12.6	153
3	24.3	12.5	150



Secchi Disk Depth 0.3 meters  
 Thermocline Depth meters

## Analytical Results

Parameter	Result	Units	Interpretation
Fecal Bacteria (E. coli)		CFU/100 mL	N/A
Conductivity	374	uS/cm	
Total Dissolved Solids	243	mg/L	Moderate concentration of dissolved salts
pH	8.9	S.U.	Water is slightly alkaline
Alkalinity	133	mg CaCO3/L	Water is hard
Total Phosphorus	14	ug/L	Moderately phosphorus enriched
Nitrates	230	ug/L	Not nitrogen enriched
Chlorophyll	N/A		

## Trophic State Evaluation

	TSI	Trophic Status
Based on Secchi Disk Depth	77	hypereutrophic
Based on Total Phosphorus	38	meso-oligotrophic
Based on Chlorophyll	N/A	

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## Conclusions

- Conditions are good for fish growth.
- 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.
- 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.

Approved by

*Jaimee Conroy*

Date 11/29/2016

Mrs. Jaimee Conroy, Technical Services Manager

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