

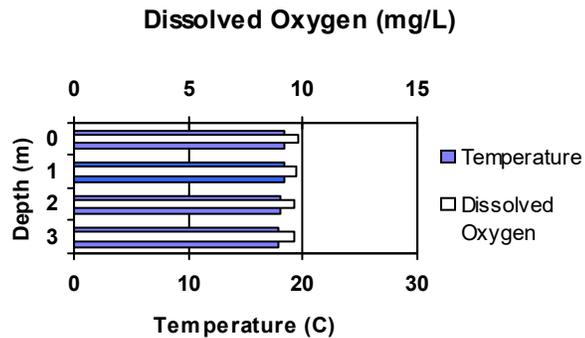
LAKE CHECK Water Quality Monitoring Report

2025910

| Customer | Waterbody | Sample Information |
|------------|------------|--------------------|
| Perch Lake | Perch Lake | Date: 5/28/2025 |
| | | Site: Middle |

On-Site Results

| Depth (m) | Temperature (degrees C) | Dissolved Oxygen | |
|-----------|-------------------------|------------------|-----|
| | | mg/L | % |
| 0 | 18.3 | 9.8 | 102 |
| 1 | 18.3 | 9.7 | 101 |
| 2 | 18.1 | 9.7 | 100 |
| 3 | 17.8 | 9.6 | 100 |



| | |
|-------------------|------------|
| Secchi Disk Depth | 2.0 meters |
| Thermocline Depth | meters |

Analytical Results

| Parameter | Result | Units | Interpretation |
|------------------------|--------|------------|---|
| Conductivity | 198 | uS/cm | |
| Total Dissolved Solids | 283 | mg/L | Moderate concentration of dissolved salts |
| pH | 8.5 | S.U. | Water is slightly alkaline |
| Alkalinity | 106 | mg CaCO3/L | Water is soft |
| Total Phosphorus | 25 | ug/L | Moderately phosphorus enriched |
| Nitrates | 230 | ug/L | Not nitrogen enriched |

Trophic State Evaluation

| | TSI | Trophic Status |
|----------------------------|-----|----------------------|
| Based on Secchi Disk Depth | 50 | moderately eutrophic |
| Based on Total Phosphorus | 46 | mesotrophic |

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.
- No remedial action recommended at this time.
- 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 11/21/2025
Mrs. Jaimee Desjardins, Technical Services Manager

FROM YOUR **WQ PRO** DEALER



PLM Lake & Land Management Corp
P.O. Box 132
Caledonia MI 49316-
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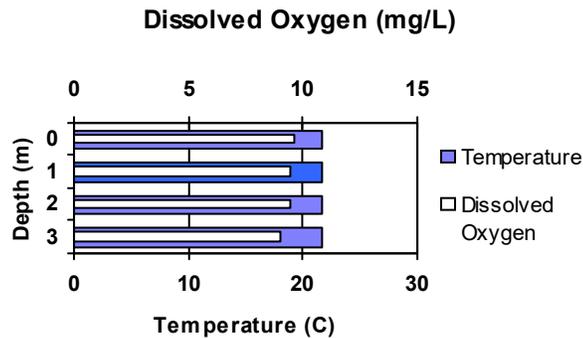
LAKE CHECK Water Quality Monitoring Report

2025911

| Customer | Waterbody | Sample Information |
|------------|------------|--------------------|
| Perch Lake | Perch Lake | Date: 9/18/2025 |
| | | Site: Middle |

On-Site Results

| Depth (m) | Temperature (degrees C) | Dissolved Oxygen | |
|-----------|-------------------------|------------------|----|
| | | mg/L | % |
| 0 | 21.7 | 9.6 | 97 |
| 1 | 21.7 | 9.5 | 93 |
| 2 | 21.7 | 9.5 | 95 |
| 3 | 21.7 | 9.1 | 90 |



| | |
|-------------------|------------|
| Secchi Disk Depth | 3.0 meters |
| Thermocline Depth | meters |

Analytical Results

| Parameter | Result | Units | Interpretation |
|------------------------|--------|------------|--------------------------------------|
| Conductivity | 184 | uS/cm | |
| Total Dissolved Solids | 127 | mg/L | Low concentration of dissolved salts |
| pH | 8.8 | S.U. | Water is slightly alkaline |
| Alkalinity | 101 | mg CaCO3/L | Water is soft |
| Total Phosphorus | 11 | ug/L | Moderately phosphorus enriched |
| Nitrates | 230 | ug/L | Not nitrogen enriched |

Trophic State Evaluation

| | TSI | Trophic Status |
|----------------------------|-----|-------------------|
| Based on Secchi Disk Depth | 44 | mesotrophic |
| Based on Total Phosphorus | 34 | meso-oligotrophic |

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 Jaimee Desjardins Date 11/21/2025
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