Monitoring Muskoka's Water

Lake System Health Monitoring Program



Rebecca Willison, BSc Watershed Planning Technician

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Research Question

- What is the long-term impact of human activity on trophic status?
- Data is used to guide development on Muskoka's lakes
- Data is also used to support stewardship programs and efforts



Monitoring Activities

- 1. Total Phosphorus & Other Parameters
- 2. Water Clarity
- 3. Dissolved Oxygen
- 4. Temperature
- 5. Shoreline Land Use Surveys
- 6. Benthic Macroinvertebrates
- 7. Forest Health



1. Total Phosphorus

Spring turnover sample taken at the deepest part of the lake

- 2. Water Clarity
- 3. Dissolved Oxygen
- 4. Temperature
- 5. Shoreline Land Use Surveys
- 6. Benthic Macroinvertebrates
- 7. Forest Health

- 1. Total Phosphorus
- 2. Water Clarity
- 3. Dissolved Oxygen
- 4. Temperature

Readings taken during spring turnover and late summer at the deepest part of the lake

- 5. Shoreline Land Use Surveys
- 6. Benthic Macroinvertebrates
- 7. Forest Health

- 1. Total Phosphorus
- 2. Water Clarity
- 3. Dissolved Oxygen
- 4. Temperature
- 5. Shoreline Land Use Surveys
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Data collected through visual inspection & mapped

- 1. Total Phosphorus
- 2. Water Clarity
- 3. Dissolved Oxygen
- 4. Temperature
- 5. Shoreline Land Use Surveys
- 6. Benthic Macroinvertebrates
- 7. Forest Health



Data collected from beginning of May to end of August

Access to Data

- Annual Water Quality Monitoring Report
- Muskoka Water Web
 - Lake Data Sheets
 - Shoreline Land Use Survey Maps
 - Benthic Monitoring Data Sheets
 - MNR Fisheries Fact Sheets
 - Stewardship Resources & Information



Skeleton Lake



