MECP Eastern Region Preliminary Climate Change Lake Water Quality Study Report

ABOUT THE STUDY

Ministry of Environment, Conservation and Parks (Environment Ontario) Kingston has been sampling a set of lakes near Kingston from 2017-2022 as part of a long-term climate change impact study. The Ministry has conducted monthly sampling from May to October for a number of water quality parameters along with temperature and dissolved oxygen profiles. Weather data for the years 2000-2022 has also been collected.

WHY DO A CLIMATE CHANGE STUDY?

- Climate change has become a major challenge during the 21st century.
- The planet's climate is changing, resulting in more frequent intense storm events.
- These events along with predicted warming and precipitation trends will affect our local environment and therefore will impact our lakes and rivers.

ADDITIONAL RESOURCES

- Visit the Climate Atlas of Canada website to learn more about climate science, mapping, and storytelling together with Indigenous Knowledges and community-based research to inspire awareness and action.
- Download the Lake Links Planning Committee's free "Lake Protection Workbook: A Self-Assessment Tool for Shoreline Property Owners" to assess your property and see how you can help your shoreline.
- Read the Ontario Ministry of Natural Resources and Forestry's publication series called the Climate Change Research Reports (CCRR).
- Learn about Water Rangers' water quality test kits and their open data platform that helps anyone collect water quality data for fresh and salt water.
- Restore shoreline habitat by participating in the Canada-wide Natural Edge shoreline re-naturalization program and using the free Native Plant Database to select native species of trees, shrubs, and wildflowers to plant on your property.

Join the free Freshwater Stewardship Community!
watersheds.ca/freshwater-stewardship

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