

Metadata for: Inland Waters Lakes and Streams – Biological Communities

This table provides essential information about the program data.

Title	Inland Waters Lakes and Streams – Biological Communities
Alternative Title	n/a
Description	<p>This dataset includes information on biological communities in lakes and streams across Ontario, since 1976. Communities sampled include zooplankton, phytoplankton, periphyton and crayfish. Data were collected as part of routine monitoring of water quality of inland waters and for scientific and research purposes.</p> <p>Details on sampling methods, study design and specifications of monitoring equipment used, as well as guidance on interpretation of these data are available upon request.</p> <p>Crayfish Biomonitoring: Crayfish are an important part of aquatic ecosystems and as such they are one of several indicators used to assess the state or health of lakes. To assess the status and trends in crayfish populations, on an annual basis, crayfish traps were set overnight in 19 inland lakes in the Muskoka area. Three sites per lake, representing rocky, detritus and macrophyte habitats, were surveyed in July or August with 3 transects per site and six traps per transect. Lake coverage occasionally varies on an annual basis.</p> <p>Currently this dataset only includes data for crayfish biomonitoring.</p>
Status	Ongoing
Frequency of Updates	Yearly
Contact	<p>Name: Johnny Su Address: 1026 Bellwood Acres Rd., Dorset, Ontario, P0A1E0 Email: johnny.su@ontario.ca Organisation: Ministry of the Environment, Conservation and Parks Position: Inland Lakes Data Management Officer Role: Point of contact</p>
Cited Responsible Parties	See the Open Government Licence - Ontario
Keywords	Lake, Stream, Water, Zooplakton, Phytoplankton, Periphyton, Crayfish, Aquatic Invertebrate, Biology, Biota, Benthos, Chlorophyll
Tags	Water Quality, EMRB, Monitoring, Algae
Use Limitations	n/a
Legal Constraints	See the Open Government Licence - Ontario
Geographic Bounds	District Municipality of Muskoka Nipissing District
	<p>Crayfish Biomonitoring: The data file contains four columns:</p> <ul style="list-style-type: none"> • LAKE is name of the lake that was sampled • YEAR is the year the sampling was conducted • CAUGHT_SUM is the total number of crayfish caught in all traps

Supplemental Information

- TRAP_SUM is the total number of traps set that were set in a year.

Information on the sampling locations can be found in the [Inland Lakes and Streams – Physical Conditions](#) dataset

This dataset is also related to:

[Inland Waters Lakes and Streams – Water Chemistry](#)

Ontario Lake Partner

<https://data.ontario.ca/dataset/ontario-lake-partner>

Ontario Benthos Biomonitoring Network

<https://data.ontario.ca/dataset/ontario-benthos-biomonitoring-network>

Date Stamp

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