

# Metadata: Inland Waters Lakes and Streams – Physical Conditions

<b>Title</b>	Inland Waters Lakes and Streams – Physical Conditions
<b>Abstract</b>	<p>This dataset includes information on sampling locations and physical conditions in lakes and streams across Ontario, as well as meteorological conditions from monitoring stations in south-central Ontario. Data were collected since 1976, 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>There are four data files in this dataset, they include:</p> <p><b>Inland Lakes Monitoring Stations Muskoka Area:</b> descriptive information for sampling locations in south-central Ontario, including lake and stream names, location descriptors, latitude and longitude, lake size and depth at sampling location.</p> <p><b>Inland Lakes Meteorology Muskoka Area:</b> information on meteorological conditions measured at a single monitoring station. Data are collected automatically on a daily basis from four climate stations in south-central Ontario. These locations are close to inland lakes that are monitored for water quality. Parameters measured include air temperature, humidity, precipitation and wind speed.</p> <p><b>Inland Lakes Stream Hydrology Muskoka Area:</b> information on water flow discharges measured at a single monitoring station or gauging weir. Data are collected automatically on a daily basis from 16 small streams connected to inland lakes in south-central Ontario. The lakes that the streams connect to are monitored for water</p>

	<p>quality.</p> <p><b>Inland Lakes Physical Measurements Muskoka Area:</b>  information on temperature and dissolved oxygen levels collected at multiple depths at a single sampling station (vertical profiles). The data file also includes measurements of water transparency collected using a Secchi Disk. Data were collected up to nine times per year from 34 inland lakes in south-central Ontario.</p>
<b>Keywords</b>	LAKE, STREAM, WATER, WATER QUALITY, PHYSICAL, METEOROLOGY, HYDROLOGY, STREAM FLOW, DISCHARGE, TEMPERATURE, PRECIPITATION, WIND, DISSOLVED OXYGEN, MUSKOKA, NIPISSING
<b>Status</b>	Ongoing
<b>Contact</b>	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
<b>Geographical Bounds</b>	District Municipality of Muskoka Nipissing District
<b>Supplemental information</b>	Additional information on Muskoka area monitoring programs can be found here: <a href="http://www.desc.ca">www.desc.ca</a>  This dataset is related to: Inland Waters Lakes and Streams – Water Chemistry Inland Waters Lakes and Streams – Biological Communities Ontario Lake Partner <a href="https://data.ontario.ca/dataset/ontario-lake-partner">https://data.ontario.ca/dataset/ontario-lake-partner</a> Ontario Benthos Biomonitoring Network <a href="https://data.ontario.ca/dataset/ontario-benthos-">https://data.ontario.ca/dataset/ontario-benthos-</a>

	<u>biomonitoring-network</u>
<b>Use Limitation</b>	N/A
<b>Date stamp</b>	