

Metadata for: Hamilton Harbour Area of Concern (AOC) Monitoring

This table provides essential information about the program data.

Title	Hamilton Harbour Area of Concern (AOC) Monitoring
Alternative Title	n/a
Description	<p>Dataset includes 8 water quality surveys conducted between May and September 2021 at 4 stations in Hamilton Harbour by Ontario Ministry of the Environment, Conservation and Parks (MECP) staff. The 4 stations surveyed by MECP are Environment and Climate Change Canada's 4 long-term monitoring stations in Hamilton Harbour, and include centre station and the 3 corners of the harbour. During each survey, water quality samples were collected from 1 metre depth and just above the sediment bed. Depth-integrated samples from the upper or surface layer of the lake were also collected at centre station only. Water samples were analyzed for nutrients and related parameters including:</p> <ul style="list-style-type: none">• Phosphorus• Nitrogen• Chlorophyll• Suspended solids• Reactive silicate• Carbon <p>In addition, secchi disc depths and water column profiles of temperature, conductivity, turbidity, pH, and dissolved oxygen were also collected at each station.</p>
Status	Ongoing – Additional monitoring data for Hamilton Harbour AOC may be added to this dataset.
Frequency of Updates	As Required
Contact	Name: Tanya Long Voice: 416-235-6247 Email: tanya.long@ontario.ca Organisation: Ontario Ministry of the Environment, Conservation and Parks Position: Environmental Scientist, Great Lakes Role: Custodian
Cited Responsible Parties	Name: Tanya Long Voice: 416-235-6247 Email: tanya.long@ontario.ca Organisation: Ontario Ministry of the Environment, Conservation and Parks Position: Environmental Scientist, Great Lakes Role: Custodian
Keywords	Hamilton Harbour, Area of Concern, AOC, water quality profile, water chemistry, nutrients, eutrophication
Tags	Lake Ontario, Great Lakes, water quality, monitoring
Use Limitations	The results are applicable only to the date/time and stations as indicated.
Legal Constraints	See the Open Government Licence - Ontario
Geographic Bounds	North bound: 43.30472222 South bound: 43.27944444 West bound: -79.87555556 East bound: -79.79583333

Supplemental Information	<p>Complementary long-term water quality monitoring data for Hamilton Harbour are available through the Government of Canada Open Data Catalogue: https://open.canada.ca/data/en/dataset/c50e3bb8-97f5-48be-a910-a8a7b59f85ff/resource/1df1f50d-08df-4490-af35-132d3fe1c6c8?inner_span=True</p> <p>Long-term water quality (nutrient) trends in Hamilton Harbour were published in the peer reviewed literature in 2016: https://www.tandfonline.com/doi/abs/10.1080/14634988.2016.1169686?needAccess=true&journalCode=uaem20</p>
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