

Metadata for: Pesticide Concentrations in Stream Water

This table provides essential information about the program data.

Title	Pesticide Concentrations in Stream Water								
Abstract	The Ontario Ministry of the Environment, Conservation and Parks (MECP), Ontario Ministry of Agriculture, Food and Agribusiness (OMAFRA), and selected Conservation Authorities jointly collaborate to monitor pesticides in tributaries in southern Ontario. At present there are 18 monitoring sites within watersheds of predominately agricultural land use and one reference site (Spring Creek). The dataset contains measurements of pesticide concentrations in stream water samples collected at selected streams in Ontario since 2012. Sites are sampled approximately 6-8 times per year for a suite of pesticides by selected Conservation Authorities. This dataset contains measurements of pesticides and pesticide degradation products in streamwater samples collected from selected sites within watersheds of predominantly agricultural land use since 2012.								
Purpose	The Pesticide Concentrations in Stream Water dataset provides information on pesticide levels in selected Ontario streams. These streams were chosen to reflect a range of agricultural crop types, land uses, and stream characteristics. The dataset supports the identification of spatial and temporal trends in pesticide concentrations, helps detect emerging concerns related to agricultural pesticide use, and enables assessment of potential impacts on aquatic ecosystems by comparing observed concentrations to established water quality guidelines.								
Status	Ongoing								
Contact	Name: Melanie Raby Email: melanie.raby@ontario.ca Organisation: Ontario Ministry of the Environment, Conservation and Parks Position: Senior Surface Water Scientist, Water Monitoring Section, Environmental Monitoring and Reporting Branch Role: Custodian								
Cited Responsible Parties	Name: Melanie Raby Email: melanie.raby@ontario.ca Organisation: Ontario Ministry of the Environment, Conservation and Parks Position: Senior Surface Water Scientist, Water Monitoring Section, Environmental Monitoring and Reporting Branch Role: Custodian								
Keywords	Pesticides, Pollution								
Use Limitations	The results are applicable to the specific streams sampled and not to all streams or surface water in the province.								
Legal Constraints	Shared under the Open Government Licence (https://www.ontario.ca/page/open-government-licence-ontario)								
Geographic Bounds	Ontario, province-wide								
Supplemental Information	Please note that detection limits change in the dataset depending on the sampling year. The user must make note of accompanying detection limits with the data they are analyzing. Detection limits are found in the associated supplemental file. Note that for some parameters, limits of detection and/or quantitation are not available. REMARK (LAB) CODES Descriptions for laboratory remark codes are as follows: <table><tr><td>LABCODE</td><td>DESCRIPTION</td></tr><tr><td>< MDL</td><td>less than the method detection limit</td></tr><tr><td>< MQL</td><td>less than the method quantification limit</td></tr><tr><td>D</td><td>measurable result</td></tr></table>	LABCODE	DESCRIPTION	< MDL	less than the method detection limit	< MQL	less than the method quantification limit	D	measurable result
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