

# MRD390 METADATA

## GENERAL INFORMATION

### Title

Groundwater Hydrochemistry, Water Isotope and Manual Water-Level Data for the Early Silurian Carbonates of the Niagara Escarpment Cuesta

### Alternate Title

MRD390

### Author(s)

Priebe, E.H.

### Date of Publication

June 30, 2021

### Abstract

This digital data release presents the results of groundwater sampling conducted in the summer of 2016, during which 69 groundwater samples were collected from 12 multidepth monitoring wells, 5 provincial groundwater monitoring network wells and 19 domestic wells. All sampled wells are installed in the bedrock aquifers of the Early Silurian carbonates of the Niagara Escarpment cuesta of southern Ontario. This digital data release includes the raw hydrochemistry and isotope geochemistry data, as well as a description of sampling locations, sampling and analysis methods, and quality-control measures. Accuracy and precision plots and the data used to create them are provided in a supporting portable document format (.pdf) document and a Microsoft® Excel® for Office 365 (.xlsx) file, respectively.

Additional information can be found within a readme file provided with the product.

### Purpose or Objective

This publication reports on the final sampling conducted for the purpose of mapping groundwater systems in the Early Silurian carbonates of the Niagara Escarpment cuesta.

The objective of this product is to collect and disseminate geoscience information for Ontario.

### Keywords

Geological Survey

Geology

Ministry of Energy, Northern Development and Mines

ENDM

Ministry of Northern Development and Mines

MNDM

Ontario Geological Survey

OGS

Miscellaneous Release—Data

MRD

Groundwater

Hydrogeology  
Paleozoic Bedrock Geology  
Sampling  
Sampling Techniques  
Waterwell  
Geochemical Geochemistry

**Business Themes**

Geological Survey  
Geology

**GEOGRAPHIC INFORMATION**

**Geographic bounding box (decimal degrees)**

<b>North bounding latitude:</b>	43.3335°
<b>West bounding longitude:</b>	-84.0286°
<b>East bounding longitude:</b>	-78.8860°
<b>South bounding latitude:</b>	42.9741°

**Description of Completeness:** irregularly shaped study area - completeness not available

**MAPPING INFORMATION:**

<b>Grid Coordinate System Used:</b>	Universal Transverse Mercator
<b>Map Projection:</b>	Transverse Mercator
<b>Horizontal Geodetic Datum:</b>	NAD83
<b>Vertical Datum:</b>	Not Applicable
<b>Horizontal Position Accuracy of Features:</b>	Very Precise ±1 m
<b>Vertical Position Accuracy of Features:</b>	Not Applicable

**DATA SOURCE INFORMATION**

**Data Source Type and Description**

Includes Bibliographic Information: Product includes references to other sources of information

**Data Source Type and Description**

Direct Field Collection: Field work conducted from July to August 2016.

**Current Status of the Data:** Complete

**Frequency of Changes or Additions to be made to the Data:** Not Planned

**CONSTRAINTS FOR USING THE DATA**

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