

MRD 325 METADATA

GENERAL INFORMATION

Official Name of the Data Set or Information Holding:

Lake Sediment and Water Geochemical Data from the Current Lake Area, Northwestern Ontario

Acronyms are Used to Identify the Data Set or Information Holding: MRD325

Describe the Data Set or Information Holding:

Dell, K.M., Dyer, R.D. (authors)

This publication can be downloaded from GeologyOntario: see Distribution Information section.

This digital release provides deep and shallow lake sediment geochemical data, lake water geochemical data and lake water quality (limnological) data, including quality-control data, collected from a survey of 234 sites in the Current Lake area. This digital product contains the complete geochemical data set for the Current Lake survey area and is released in conjunction with Open File Report 6311 (available separately), which includes a subset of the geochemical data set, data interpretation and discussion of the data. Deep and shallow lake sediment and water samples were analyzed by instrumental neutron activation analysis (INAA, for deep sediment only), inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS) and ion chromatography (IC, for water only) for more than 50 elements.

Additional information and metadata are found within a readme file provided with the product.

The Intended Use and Purpose for Collecting the Data Set or Information Holding:

This area covers a gap in lake sediment geochemistry coverage within the southeast corner of the Lac des Iles survey area that was omitted during the original sampling activities under the Operation Treasure Hunt program in 2002. Lake sediment sampling through this region was previously completed at a much lower density during the early 1980s for the National Geochemical Reconnaissance (NGR) lake sediment program carried out jointly by the Geological Survey of Canada (GSC) and the Ontario Geological Survey (OGS). The results from this new OGS study will provide updated higher resolution geochemical data for both mineral exploration and environmental baseline purposes.

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

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Time Coverage: June 7, 2016

Time Coverage Comments: Date of Publication.

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Enter or Select the Frequency with which Changes or Additions are Made to the Data Set: Not Planned

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Miscellaneous Release Data

MRD

Water and Sediment Geochemistry

Sediment

Surface Water

Groundwater

Organic Matter

Surficial Geology, General

Sampling Techniques

Quality Control

Metals

Trace Elements

Trace Metals

Mineral Exploration

Business Theme:

Geological Survey

Geology

GEOGRAPHIC INFORMATION

Selected geographic type: Bounding Box only

North Bounding Latitude: 48° 58'
South Bounding Latitude: 48° 43'
West Bounding Longitude: -89° 01'
East Bounding Longitude: -88° 29'

Geographic Completeness: irregularly shaped study area - completeness not available

MAPPING INFORMATION

Grid Coordinate System Used: Universal Transverse Mercator

Map Projection: Transverse Mercator

Horizontal Geodetic Datum: NAD83

Vertical Datum: Not Applicable

Horizontal Position Accuracy of Features: +/- 100 m

Vertical Position Accuracy of Features: Not Applicable

DATA SOURCE INFORMATION

Data Source Type: Includes Bibliographic Information

Describe for the Source Data Contribution: Product includes references to other sources of information

Data Source Type: Direct Field Collection

Source Data Set Description: Survey conducted between August 12 and 15, 2012

CONTACT INFORMATION

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Date when Metadata Should be Reviewed: December 31, 2017

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