

MISCELLANEOUS RELEASE—DATA (MRD) 358 METADATA

GENERAL INFORMATION

Official Name of the Data Set or Information Holding:

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

Acronyms are Used to Identify the Data Set or Information Holding: MRD358

Describe the Data Set or Information Holding:

Handley, L.A., Dyer, R.D. (authors)

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

This digital data release provides deep and shallow lake sediment geochemical data and lake water geochemical data, including quality control data, for samples collected from a total of 2229 sites in the Greenstone area in northwestern Ontario, during the 2011 and 2012 field seasons. Deep and shallow lake sediment were analyzed for loss on ignition (LOI); and by instrumental neutron activation analysis (INAA, for deep sediment only), inductively coupled plasma atomic emission spectroscopy (ICP–AES) and inductively coupled plasma mass spectrometry (ICP–MS) for more than 50 elements. Lake water samples were analyzed for more than 50 elements by ICP–AES, ICP–MS and ion chromatography (IC). Temperature, pH and conductivity were determined in the field. All location information is presented as Universal Transverse Mercator (UTM) co-ordinates using North American Datum 1983 (NAD83) in Zone 16. Data are available as 22 Microsoft® Excel® 2013 (.xlsx) format files and are accompanied by supporting documentation in portable document format (.pdf).

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 survey was undertaken to help evaluate the geochemical and limnological variations in the surficial environment and to provide a data set useful for the public good, for both mineral exploration and baseline environmental study purposes.

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

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Miscellaneous Release Data

MRD

Water and Sediment Geochemistry

Limnology

Surficial Geology, General

Sampling Techniques

Metals

Trace Elements

Trace Metals

Mineral Exploration

Business Theme:

Geological Survey

Geology

GEOGRAPHIC INFORMATION

Selected geographic type: Bounding Box only

North Bounding Latitude: 50° 15'

South Bounding Latitude: 49° 30'

West Bounding Longitude: -88° 14'

East Bounding Longitude: -86° 30'

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 during the summers of 2011 and 2012

CONTACT INFORMATION

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