

MRD386 METADATA

GENERAL INFORMATION

Title

Geochemical and Geochronological Data from the Elliot Lake Group and Hough Lake Group of the Huronian Supergroup, Southern Province, Northeastern Ontario

Alternate Title

MRD386

Author(s)

Ménard, J.A.

Date of Publication

September 29, 2020

Abstract

This digital data release consists of geochronology data, field photographs, scanning electron microscope (SEM) images and whole-rock geochemistry data collected as part of a Huronian Supergroup provenance study of the Sudbury area (Project NE-17-005). This work supports 1:20,000 scale bedrock geological mapping conducted in Denison and Drury townships by the Ontario Geological Survey. This release comprises 51 photographs (as *.jpg* files), 215 backscattered scanning electron microscope images (as *.jpg* files), 2 Microsoft® Excel® for Office 365 (*.xlsx*) files and 7 documents, including 2 presentations, in portable document format (*.pdf*).

The following publications are associated with this publication: OFR6333.17

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

Purpose or Objective

This publication reports on the collection of samples and analytical results related to a two-year MSc project by the author at the Department of Earth Sciences at the University of Waterloo (Project NE-17-005) to better understand the sedimentary provenance of the Ramsay Lake Formation of the Hough Lake Group and the McKim and Matinenda formations of the Elliot Lake Group of the lower Huronian Supergroup in the Sudbury area. This thesis study complements 1:20,000 scale bedrock geological mapping conducted in Denison and Drury townships by the Ontario Geological Survey (Project Unit (PU) 15-010).

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
Proterozoic Bedrock Geology
Paleoproterozoic
Southern Province (Geological)
Sedimentary Rock
Geochronology
Geochemical Geochemistry
Major Elements
Trace Elements

Business Themes

Geological Survey
Geology

GEOGRAPHIC INFORMATION

Geographic bounding box (decimal degrees)

North bounding latitude:	46.4500°
West bounding longitude:	-81.5833°
East bounding longitude:	-81.0000°
South bounding latitude:	46.3500°

Description of 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:	Precise ±5 m
Vertical Position Accuracy of Features:	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 in July and August 2016 and in July 2017; analytical data acquired between October 2016 and May 2018.

Current Status of the Data: Complete

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

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CONTACT INFORMATION

(GENERAL CONTACT; DISTRIBUTOR / PUBLISHER CONTACT; METADATA CUSTODIAN / CONTACT; AUTHOR - ORIGINATOR / DATA SET CUSTODIAN)

Ministry of Energy, Northern Development and Mines Publication Sales,
933 Ramsey Lake Road, Sudbury Ontario, CANADA P3E 6B5
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Toll Free in Canada and United States 1-888-415-9845 x5691
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