

MRD389 METADATA

GENERAL INFORMATION

Title

Geochemical, Geophysical and Geological Data Related to the Wabassi River Area, Fort Hope–Miminiska Greenstone Belt, Northwestern Ontario

Alternate Title

MRD389

Author(s)

Azar, B.

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Abstract

This digital data release consists of geochemical data, magnetic susceptibility data, geological information, structural data and selected field photographs for the Wabassi River area of the Fort Hope–Miminiska greenstone belt, which were collected during the 2017 field season. This release contains whole-rock geochemistry (major element, trace element, rare earth element), quality control information, magnetic susceptibility data, drill hole data and field notes. These data augment the associated Preliminary Map P.3829, *Precambrian Geology of the Wabassi River Area, Fort Hope–Miminiska Greenstone Belt, Northwestern Ontario*, from which the marginal notes and the geological legend were extracted and are provided as 2 separate portable document format (.pdf) files. Additional information includes the associated *Summary of Field Work and Other Activities* article from 2017. Location data are provided in the Universal Transverse Mercator (UTM) projection and grid system, Zone 16, North American Datum 1983 (NAD83). This release consists of 5 Microsoft® Excel® for Office 365 (.xlsx) files; 103 photographs (.jpg format files) and 5 portable document format (.pdf) files.

The following publications are associated with this publication: P3829

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

Purpose or Objective

The purpose of this mapping was to delineate the mafic intrusive rocks in the region and infill a regional gap in recent mapping. The Wabassi River area mapping project is the final part of a multiyear project known as the Fort Hope–Miminiska greenstone belt mapping project; the goals of this project are to

1. create a set of 1:50,000 to 1:100,000 scale bedrock geology maps for the Fort Hope–Miminiska greenstone belt and surrounds;
2. better define the stratigraphy of the greenstone belt and its correlation with other belts in the Uchi Subprovince;
3. determine the evolution of individual tectonic assemblages and the overall tectonic setting of the Fort Hope–Miminiska greenstone belt during the Uchian orogeny;
4. determine the nature of the terrane and domain boundaries to the north and south of the

eastern Uchi Subprovince;

5. examine and, based on the above, assess the mineral potential of the eastern Uchi Subprovince.

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

Archean Bedrock Geology

Precambrian Bedrock Geology

Superior Province (Geological)

Greenstone

Lithogeochemistry

Geochronology

Field Data

Drill Hole

Business Themes

Geological Survey

Geology

GEOGRAPHIC INFORMATION

Geographic bounding box (decimal degrees)

North bounding latitude: 52.0472°

West bounding longitude: -87.2444°

East bounding longitude: -85.8056°

South bounding latitude: 51.5125°

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 from June to August 2017; interpretation of data in 2020.

Data Source Type and Description

Compiled Data Set: Geological, mineral deposit and drill hole data compiled from previous Ontario Geological Survey publications.

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
Telephone voice business 705 670-5691; Telephone fax 705 670-5770
Toll Free in Canada and United States 1-888-415-9845 x5691
E-mail: pubsales.ndm@ontario.ca

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