

MRD394 METADATA

GENERAL INFORMATION

Title

Geological, Geochemical and Geophysical Data from the Peninsular Lake Area, Fort Hope–Miminiska Greenstone Belt, Northwestern Ontario

Alternate Title

MRD394

Author(s)

Azar, B.

Date of Publication

May 26, 2021

Abstract

This digital data release consists of geochemical data, magnetic susceptibility data, geological information, structural data and selected field photographs for the Fort Hope–Miminiska greenstone belt in the Peninsular Lake area, 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 are associated with Preliminary Map P.3849, *Precambrian Geology of the Peninsular Lake Area, Fort Hope–Miminiska Greenstone Belt, Northwestern Ontario*; the marginal notes and the geological legend (as 2 portable document format (.pdf) files) from the Preliminary Map are also provided. 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: P3849

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 Peninsular Lake 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
Precambrian Bedrock Geology
Archean Bedrock Geology
Superior Province (Geological)
Field Data
Geochemistry, General
Lithological
Drill Hole

Business Themes

Geological Survey
Geology

GEOGRAPHIC INFORMATION

Geographic bounding box (decimal degrees)

North bounding latitude:	51.4476°
West bounding longitude:	-88.2663°
East bounding longitude:	-87.9154°
South bounding latitude:	51.1657°

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 July 2017; Interpretation and compilation of data in 2020.

Current Status of the Data: Complete

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

CONSTRAINTS FOR USING THE DATA

Abbreviated Terms of Use.

“Content” and/or “Electronic Information Product” (EIP) and its Content: This Content and/or EIP and its Content is offered by the Province of Ontario's Ministry of Energy, Northern Development and Mines (ENDM) as a public service, on an ‘as-is’ basis. Recommendations and statements of opinions expressed are those of the author or authors and are not to be construed as statement of government policy. You are solely responsible for your use of the Content and/or EIP and its Content. You should not rely on the Content for legal advice nor as authoritative in your particular circumstances. Users should verify the accuracy and applicability of any Content before acting on it. ENDM does not guarantee, or make any warranty express or implied, that the Content is current, accurate, complete or reliable or that the EIP is free from viruses or other harmful components. ENDM is not responsible for any damage however caused, which results, directly or indirectly, from your use of the Content and/or the EIP and its Content. ENDM assumes no legal liability or responsibility for the Content and/or the EIP and its Content whatsoever.

Copyright: Canadian and international intellectual property laws protect the Content and the EIP and its Content. Unless otherwise indicated, copyright is held by the Queen’s Printer for Ontario.

It is recommended that reference to the Content be made in the following form:

Azar, B. 2021. Geological, geochemical and geophysical data from the Peninsular Lake area, Fort Hope–Miminiska greenstone belt, northwestern Ontario; Ontario Geological Survey, Miscellaneous Release—Data 394.

ISBN 978-1-4868-5207-9 (CD) ISBN 978-1-4868-5208-6 (zip file)

Use and Reproduction of Content: The Content and/or the EIP and its Content may be used and reproduced only in accordance with applicable intellectual property laws. Non-commercial use of unsubstantial excerpts of the Content is permitted provided that appropriate credit is given and Crown copyright is acknowledged. Any substantial reproduction of the Content or any commercial use of all or part of the Content is prohibited without the prior written permission of ENDM. Substantial reproduction includes the reproduction of any illustration or figure, such as, but not limited to graphs, charts and maps. Commercial use includes commercial distribution of the Content, the reproduction of multiple copies of the Content for any purpose whether or not commercial, use of the Content in commercial publications, and the creation of value-added products using the Content.

The complete and entire Terms of Use Agreement may be viewed at [Terms of Use](#)

DISTRIBUTION INFORMATION

General Distribution Information

This publication can be ordered from our office (see "Contact Information") or downloaded from GeologyOntario: [Miscellaneous Release—Data MRD394](#)

Applicable Distribution Fees and Payment Options

Contact the Ministry of Energy, Northern Development and Mines Publication Sales Office regarding the most recent pricing (see "Contact Information" section).

If ordering by mail, fax or E-mail: please call ahead to confirm shipping charge.

The Language in which Data are Distributed: English

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

METADATA

Date of this Metadata Description: May 26, 2021