

# MRD381 METADATA

## GENERAL INFORMATION

### Title

Geological, Geochemical and Petrographic Data from Priske Township and Nd, Sm and Sr Isotopic Data from Priske, Strey, Syine, Tuuri and Walsh Townships, Western Schreiber–Hemlo Greenstone Belt, Wawa–Abitibi Terrane, Superior Province, Northwestern Ontario

### Alternate Title

MRD381

### Author(s)

Magnus, S.J.

### Date of Publication

April 29, 2021

### Abstract

This publication is a compilation of geological, whole rock geochemical and petrographic data collected from Archean and Proterozoic bedrock primarily in Priske Township, with a small number of additional samples from Strey and Killraine townships and the Pays Plat Lake and Lower Aguasabon Lake areas, which encompass part of the Neoproterozoic Schreiber–Hemlo greenstone belt. This release also includes neodymium (Nd), samarium (Sm) and strontium (Sr) isotopic data collected from Archean and Proterozoic bedrock in Priske, Strey, Syine, Tuuri and Walsh townships, which encompass the entire western part of the Neoproterozoic Schreiber–Hemlo greenstone belt. This data release accompanies Ontario Geological Survey, Preliminary Map P.3845, *Precambrian Geology of Priske Township, Northwestern Ontario*; the legend and marginal notes for this map are also provided. This release comprises 54 photographs (as .jpg files), 4 Microsoft® Excel® for Office 365 (.xlsx) workbook files and 8 documents in portable document format (.pdf).

The following publications are associated with this publication: P3845

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

### Purpose or Objective

This data release includes data gathered in Priske Township as part of a 4-year bedrock mapping project in the Schreiber–Hemlo greenstone belt, undertaken to 1) update our knowledge of the local Archean and Proterozoic geology using modern mapping, geochemical and geochronological techniques, and 2) produce an updated genetic model for the greenstone belt that may be used as a framework for more detailed academic and mineral exploration activities.

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

Mesoproterozoic

Precambrian Bedrock Geology

Base Metals (Nickel (Ni)-Copper (Cu)-Lead (Pb)-Zinc (Zn))

Silver (Ag)

Gold (Au)

Greenstone

**Business Themes**

Geological Survey

Geology

**GEOGRAPHIC INFORMATION**

**Geographic bounding box (decimal degrees)**

**North bounding latitude:** 48.9100°

**West bounding longitude:** -87.3336°

**East bounding longitude:** -87.1586°

**South bounding latitude:** 48.7486°

**Description of Completeness:** irregularly shaped study area - completeness not available

**MAPPING INFORMATION:**

<b>Grid Coordinate System Used:</b>	Universal Transverse Mercator
<b>Map Projection:</b>	Transverse Mercator
<b>Horizontal Geodetic Datum:</b>	NAD83
<b>Vertical Datum:</b>	Not Applicable
<b>Horizontal Position Accuracy of Features:</b>	Precise $\pm 5$ m
<b>Vertical Position Accuracy of Features:</b>	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 during 2015, 2016, 2017 and 2018.

**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.**

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### **Applicable Distribution Fees and Payment Options**

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**The Language in which Data are Distributed:** English

## **CONTACT INFORMATION**

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