

MISCELLANEOUS RELEASE—DATA (MRD) 375 METADATA

GENERAL INFORMATION

Official Name of the Data Set or Information Holding:

Geological, Geochemical and Petrographic Data from Syine Township, Western Schreiber–Hemlo Greenstone Belt, Wawa–Abitibi Terrane, Superior Province, Northwestern Ontario

Acronyms are Used to Identify the Data Set or Information Holding: MRD375

Describe the Data Set or Information Holding:

Magnus, S.J. (author)

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

This release contains field notes and outcrop photographs collected during the summer field seasons of 2015, 2016 and 2017 as part of 1:20 000 scale bedrock geology mapping in Syine Township (Project NW-17-002). Whole-rock geochemical data and petrographic data are provided for collected samples. These data augment OGS Preliminary Map P.3826, “Precambrian Geology of Syine Township, Northwestern Ontario”, which was released in April 2019; the legend and marginal notes for this map are also provided. This release comprises 43 images (as .jpg files), 4 Microsoft® Excel® for Office 365 (.xlsx) workbook files and 6 documents 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:

The Syine Township mapping project was undertaken to begin improvement on outdated bedrock maps in the western Schreiber–Hemlo greenstone belt. By gathering new field data and applying modern mapping and geochemical analytical techniques, the goal of this project and future projects in this greenstone belt is to produce an updated genetic model for the greenstone belt that may be used as a framework for more detailed academic and mineral exploration activities. Inferences made about the depositional history of the supracrustal rocks and the structural history of the bedrock in the map area based on field observations, whole-rock geochemistry and U/Pb geochronology data, are summarized in the marginal notes for OGS Preliminary Map P.3826 (provided as part of this digital data release).

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

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Miscellaneous Release Data

MRD

Precambrian Bedrock Geology

Archean Bedrock Geology

Mesoproterozoic

Superior Province (Geological)

Bedrock Geochemistry

Greenstone

Field Data

Geochronology

Base Metals

Silver Ag

Gold Au

Business Theme:

Geological Survey

Geology

GEOGRAPHIC INFORMATION

Selected geographic type: Bounding Box only

North Bounding Latitude: 48° 56'
South Bounding Latitude: 48° 44'
West Bounding Longitude: -87° 02'
East Bounding Longitude: -86° 53'

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: Precise +/- 5 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: Field work conducted from June to August during the summers of 2015, 2016 and 2017

CONTACT INFORMATION

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METADATA

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