

MRD379 METADATA

GENERAL INFORMATION

Title

Geological and Geochemical Data from the Terrace Bay Pluton, Western Schreiber–Hemlo Greenstone Belt, Wawa–Abitibi Terrane, Superior Province, Northwestern Ontario

Alternate Title

MRD379

Author(s)

Arnold, K.A., Hollings, P. and Magnus, S.J.

Date of Publication

July 3, 2020

Abstract

This digital data release includes field notes and geochemical data collected as part of the Terrace Bay pluton mapping project (Project NW-16-003). The Terrace Bay pluton, also known as the Terrace Bay batholith, is located in Syine, Strey and Priske townships, within the western portion of the Schreiber–Hemlo greenstone belt, in the Wawa–Abitibi terrane of the Superior Province. These data are part of an unpublished Master of Science (MSc) thesis by the lead author. This release comprises 2 Microsoft® Excel® for Office 365 (.xlsx) workbook files and 3 documents in portable document format (.pdf).

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

Purpose or Objective

The Terrace Bay pluton mapping project was undertaken to improve upon our understanding of the geology and geochemistry of the Terrace Bay pluton. The Terrace Bay pluton mapping project was supported by an Ontario Geological Survey–Lakehead University Mapping School agreement. By gathering new field data and applying modern mapping and geochemical analytical techniques, the goal of this project was to produce an updated genetic model for the Terrace Bay pluton and to investigate the relationship between the pluton and the precious and base metal occurrences located within the pluton. Inferences made about the genesis and structural history of the pluton and the associated mineralization are summarized in the author's unpublished MSc thesis, Lakehead University, Thunder Bay, Ontario (Arnold, K.A. 2019. "Geology and geochemistry of the Terrace Bay batholith, N. Ontario").

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
Superior Province (Geological)
Bedrock Geology, General
Greenstone
Granite
Igneous
Bedrock Geochemistry
Gold (Au)
Base Metals (Nickel (Ni)-Copper (Cu)-Lead (Pb)-Zinc (Zn))

Business Themes

Geological Survey
Geology

GEOGRAPHIC INFORMATION

Geographic bounding box (decimal degrees)

North bounding latitude:	48.8500°
West bounding longitude:	-87.2500°
East bounding longitude:	-86.9167°
South bounding latitude:	48.7333°

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 2016 and June to August 2017.

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:

Arnold, K.A., Hollings, P. and Magnus, S.J. 2020. Geological and geochemical data from the Terrace Bay pluton, western Schreiber–Hemlo greenstone belt, Wawa–Abitibi terrane, Superior Province, northwestern Ontario; Ontario Geological Survey, Miscellaneous Release—Data 379. ISBN 978-1-4868-4308-4 (CD) ISBN 978-1-4868-4309-1 (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 MRD379](#)

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: July 3, 2020