

MRD 327 METADATA

GENERAL INFORMATION

Official Name of the Data Set or Information Holding:

Geological, Geochemical and Geophysical Data Related to the Mud Lake Area, Grenville Province

Acronyms are Used to Identify the Data Set or Information Holding: MRD327

Describe the Data Set or Information Holding:

Duguet, M. (author)

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

This release contains field photographs, and whole-rock chemistry and magnetic susceptibility data collected as part of 1:20,000 scale mapping in the Mud Lake area (Project Unit 13-014). The majority of the field study was carried out during the summer of 2013, with subsequent short field visits during the summers of 2014 and 2015. Also included are previously published articles related to the project. This release comprises 78 photographs (as .jpg files), 2 Microsoft® Excel® 2003 (.xls) workbook files and 3 documents in portable document format (.pdf). These data augment Preliminary Map P.3785, "Precambrian Geology of the Mud Lake Area, Grenville Province"; the geological legend for the map is also provided.

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 1:20,000 scale mapping of the Mud Lake area was chosen because it includes one of the largest unmapped marble belts in the Grenville Province, and is currently the subject of ongoing exploration for graphite. The marble belt is on strike with the historic Black Donald graphite mine, which was flooded during the creation of Black Donald and Centennial lakes. Reconnaissance work by Easton (2011 (MRD 286) and during later mapping in 2012 in the Brudenell area) found that many of the marbles preserve seawater geochemical signatures, that the package include dolomitic marbles, and that it is possible to trace mappable stratigraphic units along strike.

This project also fits into a regional mapping strategy begun in 2011 to map all of the larger marble belts in the northeastern Central Metasedimentary Belt in Renfrew County, not only because these marble belts have metallic and industrial mineral potential, but in order to understand the relationship between these marble-dominated domains and volcanic-dominated domains present to the south.

The Mud Lake area map is the first of 3 areas (Mud Lake, Black Donald Lake and Centennial Lake areas) that were mapped as part of Project Unit 13-014, at a scale of 1:20,000. Field work for these 3 maps was conducted during the summers of 2013, 2014 and 2015.

Mapping of these 3 areas also provide a continuation of Project Unit 11-003 for which bedrock geology mapping was conducted in the adjacent Horton (Renfrew) and Admaston areas, and which was conducted in 2011 and 2012. The adjacent maps are available as Preliminary Maps P.3783, "Precambrian Geology of the Admaston Area, Grenville Province", and P.3784, "Precambrian Geology of the Horton Area, Grenville Province". Digital data related to these 2 maps are available separately as Miscellaneous Release—Data (MRD) 316.

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

CONSTRAINTS FOR USING THE DATA SET

Describe any Restrictions and Legal Prerequisites for Accessing the Data Set (Data Privacy/Security):

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 Northern Development and Mines (MNDM) 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. MNDM 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. MNDM 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. MNDM 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:

Duguet, M. 2016. Geological, geochemical and geophysical data related to the Mud Lake area, Grenville Province; Ontario Geological Survey, Miscellaneous Release—Data 327.

ISBN 978-1-4606-7396-6 (CD) ISBN 978-1-4606-7395-9 (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 MNDM. 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 http://www.geologyontario.mndm.gov.on.ca/gosportal/Terms_of_Use.pdf

Describe any Legislated or Legal Authority for Collecting the Data Set: N/A

Select the Level of Privacy for this Metadata Information: Public

Time Coverage: April 27, 2016

Time Coverage Comments: Date of Publication.

Enter or Select the Current Status of the Data Set: Complete

Enter or Select the Frequency with which Changes or Additions are Made to the Data Set: Not Planned

Enter the retention schedule number: 9999

Retention period or description: MGE

Keywords:

Geological Survey

Geology

Ministry of Northern Development and Mines

MNDM

Ontario Geological Survey

OGS

Miscellaneous Release Data

MRD

Geochemical Geochemistry

Proterozoic Bedrock Geology

Grenville Province

Central Metasedimentary Belt
Stratigraphy
Structural Geology
Metamorphic Petrology
Graphite
Marble
Paleozoic Bedrock Geology

Business Theme:

Geological Survey
Geology

GEOGRAPHIC INFORMATION

Selected geographic type: Bounding Box only

North Bounding Latitude: 45° 30'
South Bounding Latitude: 45° 22'
West Bounding Longitude: -77° 00'
East Bounding Longitude: -76° 30'

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 (bedrock geology mapping) conducted from May 2013 to August 2013, with follow-up work during the summers of 2014 and 2015

CONTACT INFORMATION

GENERAL CONTACT:

Position: Publication Sales Representative

Language: English

Organization: Ministry of Northern Development and Mines

Organization Sub-Unit: Ontario Geological Survey

Business Phone: (705)670-5691

FAX: (705)670-5770

Internet Email Address: pubsales.ndm@ontario.ca

ADDRESS:

Street No: 933

Street Name: Ramsey Lake Road

Municipality: Sudbury

Province/State: ON Ontario

Country: CANADA

Post Code: P3E6B5

Other Contact Method: Toll Free Number (Canada & USA): 1-888-415-9845 x5691

DISTRIBUTOR / PUBLISHER CONTACT:

Position: Publication Sales Representative

Language: English

Organization: Ministry of Northern Development and Mines

Organization Sub-Unit: Ontario Geological Survey

Business Phone: (705)670-5691

FAX: (705)670-5770

Internet Email Address: pubsales.ndm@ontario.ca

ADDRESS:

Street No: 933

Street Name: Ramsey Lake Road

Municipality: Sudbury

Province/State: ON Ontario

Country: CANADA

Post Code: P3E6B5

Other Contact Method: Toll Free Number (Canada & USA): 1-888-415-9845 x5691

METADATA CUSTODIAN / CONTACT:

Position: Publication Sales Representative

Language: English

Organization: Ministry of Northern Development and Mines

Organization Sub-Unit: Ontario Geological Survey

Business Phone: (705)670-5691

FAX: (705)670-5770

Internet Email Address: pubsales.ndm@ontario.ca

ADDRESS:

Street No: 933

Street Name: Ramsey Lake Road

Municipality: Sudbury

Province/State: ON Ontario

Country: CANADA

Post Code: P3E6B5

Other Contact Method: Toll Free Number (Canada & USA): 1-888-415-9845 x5691

AUTHOR - ORIGINATOR / DATASET CUSTODIAN:

Position: Publication Sales Representative

Language: English

Organization: Ministry of Northern Development and Mines

Organization Sub-Unit: Ontario Geological Survey

Business Phone: (705)670-5691

FAX: (705)670-5770

Internet Email Address: pubsales.ndm@ontario.ca

ADDRESS:

Street No: 933

Street Name: Ramsey Lake Road

Municipality: Sudbury

Province/State: ON Ontario

Country: CANADA

Post Code: P3E6B5

Other Contact Method: Toll Free Number (Canada & USA): 1-888-415-9845 x5691

METADATA

Date of this Metadata Description/Update: March 30, 2016

Date when Metadata Should be Reviewed: December 31, 2017

DISTRIBUTION INFORMATION

General Distribution Information:

This publication can be downloaded from

http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm_dir.asp?type=pub&id=MRD327

or ordered from our office at:

Ministry of 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 1-888-415-9847

E-mail: pubsales.ndm@ontario.ca

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

Applicable Distribution Fees and Payment Options:

See the Distribution Contact listing and contact the Ministry of Northern Development and Mines Publication Sales Office regarding the most recent pricing.

The Languages which are Data Distributed in: English