

MRD 294 METADATA

GENERAL INFORMATION

Official Name of the Data Set or Information Holding: Results from the Shining Tree, Chester Township and Matachewan Gold Projects and the Northern Cobalt Embayment Polymetallic Vein Project.

Acronyms are Used to Identify the Data Set or Information Holding: MRD294

Describe the Data Set or Information Holding:

Ayer, J.A., Kontak, D.J., Linnen, R.L., Lin, S. (editors)

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

This release provides the results of studies—as part of the Discover Abitibi Initiative—on Archean gold mineralization in a number of different areas of the southern Abitibi greenstone belt and a study of Proterozoic vein mineralization. This data release consists of 3 sections, each co-authored by the research groups in the various areas: Section 1, *Shining Tree and Gowganda Archean Gold Study and Northern Cobalt Embayment Proterozoic Vein Study*, by J.A. Ayer, T.J. Barrett, R.A. Creaser, M.A. Hamilton, B. Lafrance and G.M. Stott; Section 2, *Geological and Geochemical Studies of the Côté Lake Au(-Cu) Deposit Area, Chester Township*, by D.J. Kontak, R.A. Creaser and M.A. Hamilton; Section 3, *Synthesis of the Structure, Petrology, Geochronology and Geochemistry of the Young–Davidson Gold Deposit and Surrounding Area*, by R.L. Linnen, S. Lin, J. Zhang, R.D. Martin, N. Naderi, D.W. Davis, M.A. Hamilton, R.A. Creaser, B.R. Berger, N.R. Banerjee, B.A. Wing and C. Wu. Each section includes comprehensive results based on field studies and various analytical techniques including U/Pb zircon and Re/Os geochronology, litho-geochemistry, petrographic examination of thin sections, scanning electron microscope analysis of alteration and ore mineralogy, and stable isotopes (oxygen, sulphur and carbon) as well as detailed geological and structural mapping. This information has been used to provide syntheses of the setting, timing and characteristics of Archean gold mineralization in the study areas. 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:

This project was funded by the Discover Abitibi Initiative to better understand the nature and controls of gold mineralization in the southernmost parts of the Abitibi greenstone belt and Proterozoic polymetallic vein mineralization in the northern margin of the Cobalt Embayment.

The Discover Abitibi Initiative is a regional, cluster economic development project providing geoscientific investigations of the western Abitibi greenstone belt in Ontario. The project has brought together funding partners FedNor, Northern Ontario Heritage

Fund Corporation and the private sector to complete projects, which will further stimulate exploration activity and mining in this prolific belt. To support this successful endeavor, user stakeholders have provided the project ideas. The technical expertise to evaluate the projects has been provided by volunteers on the technical and management committees. For further information regarding this initiative, contact the Timmins Economic Development Corporation by email at tedc@timmins.ca.

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

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.

Describe any Constraints for Using the Data Set:

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:
Ayer, J.A., Kontak, D.J., Linnen, R.L. and Lin, S. eds. 2013. Results from the Shining Tree, Chester Township and Matachewan gold projects and the Northern Cobalt Embayment polymetallic vein project; Ontario Geological Survey, Miscellaneous Release—Data 294.

ISBN 978-1-4606-1425-9 (CD) ISBN 978-1-4435-1424-2 (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.mndmf.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: Internal

Time Coverage: Tuesday April 16, 2013

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: None Planned

Enter the retention schedule number: 9999

Retention period or description:MR

Keywords:

MINISTRY OF NORTHERN DEVELOPMENT AND MINES

MNDM

OGS

ONTARIO GEOLOGICAL SURVEY

ABITIBI SUBPROVINCE (GEOLOGICAL)

BEDROCK GEOCHEMISTRY

BEDROCK GEOLOGY, GENERAL

COPPER CU

DISCOVER ABITIBI

EXPLORATION DATA

FIELD DATA

GEOCHRONOLOGY

LITHOGEOCHEMISTRY

MINERAL DEPOSITS, GENERAL

NORTHERN ONTARIO

PRECIOUS METALS GOLD AU

STRATIGRAPHY

Business Theme:

GEOLOGICAL SURVEY

GEOLOGY

GEOGRAPHIC INFORMATION

Selected geographic type: Bounding Box only

North Bounding Latitude: 48° 00'

South Bounding Latitude: 47° 24'

West Bounding Longitude: -82° 00'

East Bounding Longitude: -80° 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:	+/- 10 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

Time Period Comments: samples collected and analytical work conducted from May 2011 to March 2012

CONTACT

GENERAL INFORMATION 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.gov.on.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.gov.on.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.gov.on.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.gov.on.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:** April 10, 2013**Date when Metadata Should be Reviewed:** December 31, 2016**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=MRD294

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