

MRD 254 METADATA

GENERAL INFORMATION

Official Name of the Data Set or Information Holding: Industrial Mineral Assessment and Sampling of Mica in Central and Eastern Ontario: Testing Results

Acronyms are Used to Identify the Data Set or Information Holding: MRD254

Describe the Data Set or Information Holding:

Watts, Griffis and McOuat; Ontario Geological Survey (authors)

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

This release contains the testing results for an assessment of mica in central and eastern Ontario. The data were originally released in 2002 in Microsoft® Word (.doc) and .pdf formats accompanying Open File Report 6086 (see below) and have not been modified since the original release. Some of these data, where appropriate, are also available as Microsoft® Excel® 2003 (.xls) spreadsheets, which have been reformatted for consistency. The files are available on 1 CD. Additional information and metadata are found within a readme file located on the distributed sales product. Open File Report (OFR) 6086 examines the economic potential of muscovite deposits in central and southern Ontario. Thirty flake muscovite occurrences are described, which occur in metamorphosed sedimentary schists and gneisses in the Tomiko and Mazinaw terranes of the Grenville Province. As such, this study complements previous reports describing muscovite in pegmatites and phlogopite occurrences. Flake muscovite deposits are far larger than phlogopite and pegmatitic muscovite deposits in the same area, and offer greater economic potential in today's mica markets. Samples collected from the sites were examined petrographically and whole rock analyses were completed on samples from most sites. The composition of muscovite from selected sites was determined by electron microprobe analysis, and beneficiation tests were conducted on small bulk samples from 6 sites. A market study was undertaken to determine mica specifications, uses, prices, supply and demand, and attempts to identify potential opportunities and hurdles that would face a new Ontario muscovite producer. Some guidelines for muscovite exploration are provided, and suggestions made for further product testing, beneficiation and feasibility studies.

The Intended Use and Purpose for Collecting the Data Set or Information Holding: The objective of this product is to collect and disseminate geoscience information for Ontario.

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Watts, Griffis and McOuat and Ontario Geological Survey 2010. Industrial mineral assessment and sampling of mica in central and eastern Ontario: testing results; Ontario Geological Survey, Miscellaneous Release---Data 254. ISBN 978-1-4435-3740-7 [CD] ISBN 978-1-4435-3739-1 [zip file]

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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: Monday, August 12, 2002

Time Coverage Comments: Date of Publication. Data re-released as MRD 254 in October 2010.

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:MGE

Keywords:

DIGITAL DATA
GRENVILLE PROVINCE (GEOLOGICAL)
INDUSTRIAL MINERALS INCLUDING STONE.
LITHOGEOCHEMISTRY
MINERAL EXPLORATION
MINISTRY OF NORTHERN DEVELOPMENT AND MINES
MISCELLANEOUS RELEASE DATA

MNDM
MRD
OGS
ONTARIO GEOLOGICAL SURVEY
PEGMATITES

Business Theme:
GEOLOGICAL SURVEY
GEOLOGY

GEOGRAPHIC INFORMATION

Selected geographic type:Bounding Box only

North Bounding Coordinate: 46° 55'

South Bounding Coordinate: 45° 25'

West Bounding Coordinate: -80° 00'

East Bounding Coordinate: -76° 15'

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: NAD27

Vertical Geodetic Datum: Not Applicable

Position Accuracy of Features:

Horizontal: Reliable: +/- 100 m

Vertical: 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

Describe for the Data Source:

Time Period Comments:

Data Source Type: Other Compiled Dataset

Describe for the Source Data Contribution:

Time Period Comments:

Name of the Source Data Set: Open File Report 6086

the Acronyms Used to Identify the Source Data Set: OFR6086

Describe the Data Source: Industrial Mineral Assessment and Sampling of Mica in Central

and Eastern Ontario

Name of the Organization that Create the Source Data Set: Ontario Geological Survey

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METADATA

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