

MISCELLANEOUS RELEASE—DATA (MRD) 365 METADATA

GENERAL INFORMATION

Official Name of the Data Set or Information Holding:

Geological, Geochemical, Geophysical and Petrographic Data Related to the Cochrane and Borden Townships Area, Kapuskasing Structural Zone, Wawa–Abitibi Terrane

Acronyms are Used to Identify the Data Set or Information Holding: MRD365

Describe the Data Set or Information Holding:

Duguet, M. (author)

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

This digital data release contains field photographs, whole-rock geochemical data, magnetic susceptibility data, scintillometer readings, microprobe data, thermobarometric calculations, and petrographic images collected as part of 1:20,000 scale bedrock geology mapping of Cochrane and Borden townships (Project NE-16-002) (Borden Lake area) during the summer of 2016. Also included are presentations and a previously published article related to the project. This release comprises 141 field photographs (as .jpg files), 13 thin section scans (as .jpg files), 98 scanning electron microscope (SEM) (.bmp) images and 43 associated thermobarometric (.txt) program files, 3 Microsoft® Excel® 2013 (.xlsx) workbook files and 8 documents in portable document format (.pdf). These data augment Preliminary Map P.3821, “Precambrian Geology of Cochrane and Borden Townships, Kapuskasing Structural Zone, Wawa-Abitibi Terrane”; 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:

This single-year, 1:20,000 scale mapping project of Cochrane and Borden townships was undertaken because the area hosts a recently discovered gold deposit that is spatially associated with deformed and highly metamorphosed Timiskaming-type conglomerates. Since the discovery of this gold deposit, the area has been subjected to intense, and ongoing, exploration for gold. The map area lies in the Kapuskasing Structural Zone, which, until recently, was considered devoid of significant Archean mineral deposits. Although subject to regional studies in the early 1980s and mid-1990s, the Kapuskasing Structural Zone has received little detailed mapping (less than 1:50,000 scale), which represents a significant geoscience knowledge gap.

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

Kapuskasing Structural Zone KSZ

Deposits

Gold Au

Greenstone

Carbonatite

Lamprophyre

Business Theme:

Geological Survey

Geology

GEOGRAPHIC INFORMATION

Selected geographic type: Bounding Box only

North Bounding Latitude: 47° 56'

South Bounding Latitude: 47° 50'

West Bounding Longitude: -83° 23'

East Bounding Longitude: -83° 06'

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 mapping) conducted from May to August 2016

CONTACT INFORMATION

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