

## MISCELLANEOUS RELEASE—DATA (MRD) 350 METADATA

### GENERAL INFORMATION

**Official Name of the Data Set or Information Holding:**

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

**Acronyms are Used to Identify the Data Set or Information Holding:** MRD350

**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, and whole-rock geochemical, magnetic susceptibility and scintillometer data collected as part of 1:20 000 scale mapping in the Black Donald Lake area (Project Unit 13-014). The bulk of the field study was carried out in the summer of 2014 with short field visits during the summers of 2013 and 2015. Also included is a previously published article related to the project. This release comprises 176 photographs (as .jpg files), 2 Microsoft® Excel® 2013 (.xlsx) workbook files and 3 documents in portable document format (.pdf). These data augment Preliminary Map P.3808, *Precambrian Geology of the Black Donald 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:**

This single-year, 1:20 000 scale mapping project of the Black Donald 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 hosts the historic Black Donald graphite Mine, which was flooded during the creation of Black Donald and Centennial lakes. Previous reconnaissance work by Easton (2011: see MRD 286) found 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 the volcanic-dominated domains present to the south. The Black Donald Lake area is the second of the 3 maps (Mud Lake, Black Donald Lake and Centennial Lake areas), at 1:20 000 scale, to be released as part of Project Unit 13-014. Field work for these 3 maps was conducted during the summers of 2013, 2014 and 2015. This work also represents a continuation of Project Unit 11-003 that started in

2011 in the Horton and Admaston areas near Renfrew and which was completed in 2012.

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

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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:** May 9, 2018

**Time Coverage Comments:** Date of Publication.

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Miscellaneous Release Data

MRD

Proterozoic Bedrock Geology

Grenville Province (Geological)

Paleozoic Bedrock Geology

Geochemistry, General

Major Elements

Trace Elements

Rare Earth Elements (REE)

Geophysics, General

Stratigraphy

**Business Theme:**

Geological Survey

Geology

**GEOGRAPHIC INFORMATION**

**Selected geographic type:** Bounding Box only

North Bounding Latitude: 45° 15'

South Bounding Latitude: 45° 07' 30"

West Bounding Longitude: -77° 00'

East Bounding Longitude: -76° 45'

**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 2014, with reconnaissance and post-season mapping during the summers of 2013 and 2015, respectively

## **CONTACT INFORMATION**

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**METADATA**

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