

## MISCELLANEOUS RELEASE—DATA (MRD) 373 METADATA

### GENERAL INFORMATION

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

McFaulds Lake (“Ring of Fire”) Area Lake Sediment and Water Geochemistry, Northern Ontario

**Acronyms are Used to Identify the Data Set or Information Holding:** MRD373

**Describe the Data Set or Information Holding:**

Handley, L.A., Dyer, R.D. (authors)

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

This digital data release provides deep and shallow lake sediment geochemical data and lake water geochemical data, including quality control data, collected from a total of 1323 sites in the McFaulds Lake area in northern Ontario, during the summers of 2011, 2012 and 2013. The survey covers an area of approximately 9400 square kilometres corresponding to an average sampling density of 1 sample site per 7.1 square kilometre. The sediment samples were analyzed for loss on ignition (LOI); and by inductively coupled plasma optical emission spectrometry (ICP–OES), inductively coupled plasma mass spectrometry (ICP–MS); and by instrumental neutron activation analysis (INAA, for deep sediments only). Lake water samples were analyzed by ICP–OES, ICP–MS and ion chromatography (IC). Quality control data consist of the results from the analysis of duplicate pairs and certified reference materials and are included in this release. The ICP–MS, ICP–OES, IC and LOI analyses were conducted by the Geoscience Laboratories, Ontario Geological Survey, and the INAA analyses were completed by Becquerel Laboratories. Lake water measurements of temperature, pH and conductivity were determined in situ. All location information is presented as Universal Transverse Mercator (UTM) co-ordinates using North American Datum 1983 (NAD83) in Zone 16. Data are available as 24 Microsoft® Excel® 2016 (.xlsx) files and are accompanied by supporting documentation in portable document format (.pdf).

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:**

Results from this three-year McFaulds Lake area survey, conducted by the Ontario Geological Survey, provide updated high-resolution geochemical data for both mineral exploration and environmental baseline purposes.

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 Energy, Northern Development and Mines (ENDM) 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. ENDM 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. ENDM 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. ENDM 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:

Handley, L.A. and Dyer, R.D. 2018. McFaulds Lake (“Ring of Fire”) area lake sediment and water geochemistry, northern Ontario; Ontario Geological Survey, Miscellaneous Release—Data 373.

ISBN 978-1-4868-3058-9 (CD) ISBN 978-1-4868-3059-6 (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 ENDM. 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/terms\\_of\\_use.html](http://www.geologyontario.mndm.gov.on.ca/terms_of_use.html)

**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:** December 19, 2018

**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:** PT

**Keywords:**

Geological Survey

Geology

Ministry of Northern Development and Mines

MNDM

Ontario Geological Survey

OGS

Miscellaneous Release Data

MRD

Water and Sediment Geochemistry

Limnology

Surficial Geology, General

Sampling Techniques

Metals

Trace Elements

Trace Metals

Mineral Exploration

**Business Theme:**

Geological Survey

Geology

**GEOGRAPHIC INFORMATION**

**Selected geographic type:** Bounding Box only

North Bounding Latitude: 53° 19'

South Bounding Latitude: 52° 24'

West Bounding Longitude: -87° 15'

East Bounding Longitude: -85° 20'

**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:** +/- 100 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 conducted during the summers of 2011, 2012 and 2013

## CONTACT INFORMATION

### GENERAL CONTACT:

**Position:** Publication Sales Representative

**Language:** English

**Organization:** Ministry of Energy, 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](mailto: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 Energy, 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](mailto: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 Energy, 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](mailto: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 Energy, 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](mailto: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:** December 6, 2018

**Date when Metadata Should be Reviewed:** December 31, 2019

## **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=MRD373](http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm_dir.asp?type=pub&id=MRD373)

or ordered from our office at:

Ministry of Energy, 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](mailto: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 Energy, Northern Development and Mines Publication Sales Office regarding the most recent pricing.

**The Languages which are Data Distributed in:** English