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Walker, J. 2018. Geological and geochemical data from Copenace Township, Michipicoten greenstone belt; Ontario Geological Survey, Miscellaneous Release—Data 348.

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These data accompany:

Preliminary Map P.3814, *Precambrian Geology of Copenace Township, Michipicoten Greenstone Belt*, scale 1: 20 000.

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Miscellaneous Release—Data 348

Geological and Geochemical Data from Copenace Township, Michipicoten Greenstone Belt

by Walker, J.

This publication can be downloaded from

http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm_dir.asp?type=pub&id=MRD348

This digital data release contains field photographs, electron microprobe data, whole-rock geochemical data and assay data from samples collected during the summer of 2016 as part of a multi-year bedrock mapping project to update the geological knowledge of the Wawa Subprovince in the Michipicoten greenstone belt. This release comprises 36 images (as *.jpg* files), 2 Microsoft® Excel® 2013 (*.xlsx*) workbook files and 5 supporting documents in portable document format (*.pdf*).

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The contents of this digital data release are organized in the following folders.

/Geochemistry

2016 Geo Labs Brochure.pdf

MRD348_Copenace_Electron_Microprobe_Analyses.xls

MRD348_Copenace_Whole-Rock and Assay Geochemistry.xlsx

/Photographs

MRD348_Copenace_photo_captions.pdf

/root

MRD348_Abbreviated_Map_Legend.pdf

MRD348_Metadata.pdf

MRD348_Readme.pdf

FILE DESCRIPTION

The contents of the folders and details of the files are given below.

Geochemistry

This folder contains 2 Microsoft® Excel® 2013 (.xlsx) files and 1 portable document format (.pdf) file.

2016 Geo Labs Brochure.pdf

This file describes the analytical methods used at the Ontario Geological Survey Geoscience Laboratories.

MRD348_Copenace_Electron_Microprobe_Analyses.xls

This file contains 3 worksheets. Worksheet “Spinel” presents the results of microprobe analyses of spinel minerals found in samples 16JW826A2 and 16JW830A. Worksheet “Silicates” presents the results of microprobe analyses of serpentine and tremolite found in 16JW826A2 and serpentine in 16JW830A. These analyses were performed at the Geoscience Laboratories (Geo Labs), Ontario Geological Survey, Sudbury. Quality control information is provided on the respective worksheets. Worksheet “Sample Information” provides the location data (“Easting”, “Northing” and “Township”) using Universal Transverse Mercator (UTM) co-ordinates in North American Datum 1983 (NAD83) in Zone 16, as well as rock name, map unit, and laboratory job number for both samples.

MRD348_Copenace_Whole-Rock and Assay Geochemistry.xlsx

This file contains 2 worksheets. Worksheet “Copenace Geochemistry” presents the results of whole-rock and assay geochemical analyses performed at the Geoscience Laboratories (Geo Labs), Ontario Geological Survey, Sudbury. The methods used, lower detection limit for each method, and reported units for each method are included for each element (and oxide) listed. This worksheet also contains location data (“Easting”, “Northing” and “Township”) using Universal Transverse Mercator (UTM) co-ordinates in North American Datum 1983 (NAD83) in Zone 16. The second worksheet “Abbreviations” explains the abbreviations used in the workbook.

Photographs

This folder comprises 36 images (as .jpg files) and 1 portable document format (.pdf) file. The photographs were taken during the summer of 2016 as part of the mapping project.

MRD348_Copenace_photo_captions.pdf

This file provides the photograph number (based on the station location), station location and a brief photo description with the scale used in the photo. Photograph file numbers are keyed to station numbers; for example, photo “16JW584 (2)” is photograph number 2, from station 16JW584.

Root

MRD348_Abbreviated_Map_Legend.pdf

This file contains an abbreviated version of the rock codes used on Map P.3814 (Walker and Robichaud 2018) that are used in the worksheet “Copenace Geochemistry”.

REFERENCE

Walker, J. and Robichaud, L. 2018. Precambrian geology of Copenace Township, Michipicoten greenstone belt; Ontario Geological Survey, Preliminary Map P.3814, scale 1:20 000.