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Walker, J. 2018. Geological and geochemical data from Bruyere Township, Michipicoten greenstone belt; Ontario Geological Survey, Miscellaneous Release—Data 360.

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These data accompany:

Preliminary Map P.3820, *Precambrian Geology of Bruyere Township, Michipicoten Greenstone Belt*.

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Miscellaneous Release—Data 360

Geological and Geochemical Data from Bruyere Township, Michipicoten Greenstone Belt

by J. Walker

This publication can be downloaded from

http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm_dir.asp?type=pub&id=MRD360

This digital data release contains field photographs, and whole-rock geochemical and assay data collected during the summer of 2017 as part of a multi-year bedrock geology mapping project to update the geological knowledge of the Wawa Subprovince in the Michipicoten greenstone belt. This release comprises 35 photographs (as *.jpg* files), 1 Microsoft® Excel® 2013 (*.xlsx*) workbook file and 3 documents in portable document format (*.pdf*). These data augment Preliminary Map P.3820, *Precambrian Geology of Bruyere Township, Michipicoten Greenstone Belt*; the geological legend for the map is also provided.

Data are organized into 3 folders:

1. Geochemistry
2. Geology
3. Photographs

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

MRD360_Bruyere_Geochemistry_Whole-Rock and Assay Data.xlsx consists of 2 worksheets.

“Bruyere Geochemistry” worksheet contains whole-rock and assay geochemical analyses (including 6 duplicate analyses) acquired from samples collected as part of this study during the summer of 2017. The geochemical analyses were 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. The methods are described in more detail in the accompanying file “*2017 Geo Labs Brochure.pdf*”. This worksheet also contains sample identification, “Rock Type” for each sample collected and the station and station location data (“Easting”, “Northing”, and “Township”); Universal Transverse Mercator (UTM) co-ordinates are provided in North American Datum 1983 (NAD83), Zone 16.

“Abbreviations” worksheet provides an explanation of the abbreviations use in the “Bruyere Geochemistry” worksheet.

2017 Geo Labs Brochure.pdf describes the analytical methods used at the Ontario Geological Survey Geoscience Laboratories.

2. Geology. This folder contains 1 portable document format (.pdf) file.

P3820_Legend.pdf is an abbreviated version of the legend used for Ontario Geological Survey Preliminary Map P.3820, *Precambrian Geology of Bruyere Township, Michipicoten Greenstone Belt* (Walker 2018). Material in the geochemistry file and the photo captions document are cross-referenced to map codes in this legend.

3. Photographs. This folder contains 35 field photographs (as .jpg files) and 1 portable document format (.pdf) file. The photographs were taken during the summer of 2017 as part of the mapping project.

MRD360_Bruyere_Photo Captions.pdf provides the photograph number, station location and a brief photo description. Photo file names for the .jpg files are based on station location, e.g., 17JW426_(2) indicates that this was station 426 during field work conducted by the author (“JW”) in 2017, with “_(2)” indicating this was the second photograph taken at that location. Station location information is provided using UTM co-ordinates in NAD83, Zone 16.

Reference

Walker, J. 2018. Precambrian geology of Bruyere Township, Michipicoten greenstone belt; Ontario Geological Survey, Preliminary Map P.3820, scale 1:20 000.