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Preliminary Map P.3803, *Precambrian Geology of the Rennie and Leeson Townships, Michipicoten Greenstone Belt*.

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Users of OGS products are encouraged to contact those Aboriginal communities whose traditional territories may be located in the mineral exploration area to discuss their project.

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Miscellaneous Release—Data 339

**Gold Mineralization in the Missanabie–Renabie District of the Wawa Subprovince:  
Geochemical Data and Photographs**

by J.A. McDivitt<sup>1</sup>

This publication can be downloaded from

[http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm\\_dir.asp?type=pub&id=MRD339](http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm_dir.asp?type=pub&id=MRD339)

This release contains field photographs, whole-rock geochemical data and assay data collected as part of the author's Master of Science thesis study during the summers of 2014 and 2015 (McDivitt 2016). The study was supported through the Ontario Geological Survey and the Mineral Exploration Research Centre of Laurentian University through the Ontario Geological Survey–Laurentian University Graduate Mapping School Agreement, under the supervision of Dr. Bruno Lafrance and Dr. Daniel J. Kontak (both at Laurentian University). McDivitt et al. (2015) provides a summary of the project's objectives and preliminary results.

This release comprises 25 images (as *.jpg* and *.tif* files), 2 documents in portable document format (*.pdf*) and 1 Microsoft<sup>®</sup> Excel<sup>®</sup> 2010 (*.xlsx*) workbook file.

Data are organized in 2 folders:

1. Geochemistry
2. Photographs

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**1. Geochemistry.** This folder contains 1 Microsoft® Excel® 2010 (.xlsx) file and 1 portable document format (.pdf) file.

*MRD339\_Missanabie-Renabie\_Whole-Rock and Assay Geochemistry.xlsx* consists of 2 worksheets.

“Whole-Rock Geochemistry” worksheet contains the results of whole-rock 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”) and “Sample Type”; Universal Transverse Mercator (UTM) co-ordinates are provided using North American Datum 1983 (NAD83) in Zone 17.

“Metal Assay Geochemistry” worksheet contains the results of assay 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 listed. This worksheet also contains location data (“Easting”, “Northing” and “Township”) and “Sample Type”; UTM co-ordinates are provided using NAD83 in Zone 17.

*2015 Geo Labs Brochure.pdf* describes the analytical methods used at the Ontario Geological Survey Geoscience Laboratories.

**2. Photographs.** This folder contains 1 subfolder consisting of 25 images (as .jpg and .tif files) and 1 portable document format (.pdf) file. The photographs were taken during the summers of 2014 and 2015 as part of the mapping project.

*MRD339\_Missanabie-Renabie\_Photo Captions.pdf* provides the photograph number (based on the station location), station location and a brief photo description with the scale used in the photo. Photo file names for the .jpg and .tif files are based on station location, e.g., BD1 is photograph number 1, from the Baltic D outcrop. Station location information is provided as UTM co-ordinates, NAD83, Zone 17.

## References

- McDivitt, J.A. 2016. Gold mineralization in the Missanabie–Renabie district of the Wawa Subprovince; unpublished MSc thesis, Laurentian University, Sudbury, Ontario, 179p.
- McDivitt, J.A., Lafrance, B., Kontak, D.J. and Robichaud, L. 2015. Characterization of gold mineralization in the Missanabie–Renabie district of the Wawa gold camp; *in* Summary of Field Work and Other Activities 2015, Ontario Geological Survey, Open File Report 6313, p.6-1 to 6-10.
- Robichaud, L., McDivitt, J.A. and Trevisan, B.E., in press. Precambrian geology of Rennie and Leeson townships, Michipicoten greenstone belt; Ontario Geological Survey, Preliminary Map P.3803, scale 1:20 000.