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Marich, A.S. 2015. Till sample and indicator mineral data for the Mowe Lake area, northwestern Ontario; Ontario Geological Survey, Miscellaneous Release—Data 320.

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These data accompany:

Open File Report 6308, *Results of Regional Till Sampling in the Mowe Lake Area, Northwestern Ontario*.

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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.

Miscellaneous Release—Data 320

Till Sample and Indicator Mineral Data for the Mowe Lake Area, Northwestern Ontario

by A.S. Marich

This publication can be downloaded from

http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm_dir.asp?type=pub&id=MRD320

This release presents the results of a regional till sampling and surficial geology mapping project undertaken in the Mowe Lake area in northwestern Ontario in 2010 and 2011. The data comprise fine-fraction ($-63\ \mu\text{m}$) geochemical analyses and geochemical and compositional analyses of particulate gold grains and metamorphic/magmatic massive sulphide indicator minerals (MMSIM[®]*) recovered from 193 till samples. The data are being released in conjunction with Open File Report 6308, available separately. Files, provided as 10 Microsoft[®] Excel[®] spreadsheets, contain information on sample site locations, geochemical analyses, gold grain data, MMSIM[®] data and pebble lithology data. The data are available on 1 CD.

The data release comprises 1 Microsoft[®] Excel[®] 2010 (.xlsx) and 9 Excel[®] 97–2003 (.xls) spreadsheets related to samples collected for the Mowe Lake area study:

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|---|---|
| <i>Table 1 Detection Limits and CRMs.xlsx</i> | Method detection limits, precision and certified reference material data for the various analytical techniques used |
| <i>Appendix 1 Sample Locations.xls</i> | Locations of samples |
| <i>Appendix 2 MMSIM Grain Counts.xls</i> | Metamorphic/magmatic massive sulphide indicator minerals (MMSIM [®]) grain counts |
| <i>Appendix 3 Gold Grain Summary.xls</i> | Summary of gold grains |
| <i>Appendix 4 Oxide Grain Summary.xls</i> | Summary of oxide grains |
| <i>Appendix 5 ICP-MS Geochemistry.xls</i> | Geochemical data (by inductively coupled plasma mass spectrometric analysis) |

* MMSIM is a registered trademark of Overburden Drilling Management Limited, Nepean, Ontario.

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| <i>Appendix 6 ICP-AES Geochemistry.xls</i> | Geochemical data (by inductively coupled plasma atomic emission spectroscopic analysis) |
| <i>Appendix 7 INAA Geochemistry.xls</i> | Geochemical data (by instrumental neutron activation analysis) |
| <i>Appendix 8 FA-ICP-MS Geochemistry.xls</i> | Geochemical data (by lead–fire assay with inductively coupled plasma mass spectrometry finish) |
| <i>Appendix 9 Pebble Counts.xls</i> | Pebble lithology counts |