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These data accompany:

Open File Report 6320, *Results of Regional Till Sampling in the Chapleau Area, Northern Ontario*

Associated publications:

P.3788, *Quaternary Geology, Swanson River Area, 1:50 000 (2016).*

P.3789, *Quaternary Geology, Chapleau Area, Northern Ontario, 1:50 000 (2016).*

P.3790, *Quaternary Geology, Nemegos Area, Northern Ontario, 1:50 000 (2016).*

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Miscellaneous Release—Data 331

Indicator Mineral and Till Bulk Sample Geochemistry Data, Chapleau Area, Northern Ontario

by C. Gao

This publication can be downloaded from

http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm_dir.asp?type=pub&id=MRD331

This digital data release presents the results of a regional till sampling survey undertaken in the Chapleau area, northern Ontario. The data include heavy mineral grain counts for kimberlite indicator minerals (KIMs), metamorphic/magmatic massive sulphide indicator minerals (MMSIM^{®*}) and gold, as well as geochemistry of the <0.063 mm fraction of the bulk sample. The data are being released in conjunction with Open File Report 6320, available separately. The files are provided in 20 Microsoft[®] Excel[®] 2010 (.xlsx) spreadsheets that contain information on sample site locations, sample processing data, gold grain counts, KIM and MMSIM^{®*} grain data, electron probe microanalyzer results for KIM and MMSIM^{®*} grains, clastic lithology data, and geochemical data for the <0.063 mm fraction of the bulk sample; and as well, 1 file in portable document format (.pdf) containing binocular microscope descriptions of nonkimberlitic boulders of mantle origin.

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

This digital data set (MRD 331) is accompanied by Open File Report 6320, *Results of Regional Till Sampling in the Chapleau Area, Northern Ontario* which is available separately; and associated with previously published (2016) Preliminary Maps P.3788, *Quaternary Geology, Swanson River Area*, scale 1:50 000; P.3789, *Quaternary Geology, Chapleau Area, Northern Ontario*, scale 1:50 000; and P.3790, *Quaternary Geology, Nemegos Area, Northern Ontario*, 1:50 000; also available separately from the digital data set.

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This release supplements Open File Report 6297, providing the data (as 21 appendixes) generated during the study (see below). Six of the appendixes (1, 3, 7, 11, 14 and 17) were also included in OFR 6320. The following appendixes are included as *.xlsx files, except for Appendix 14 which is in *.pdf format, in this release. The file structure below is followed by references.

MRD331_readme.pdf

MRD331_metadata.pdf

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- 2016b. Quaternary geology, Nemegos area, northern Ontario; Ontario Geological Survey, Preliminary Map P.3790, scale 1:50 000.
- 2016c. Quaternary geology, Swanson River area, northern Ontario; Ontario Geological Survey, Preliminary Map P.3788, scale 1:50 000.
- 2016d. Results of regional till sampling in the Chapleau area, northern Ontario; Ontario Geological Survey, Open File Report 6320.
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- 2001d. Results of modern alluvium sampling, Foleyet area, northeastern Ontario: Operation Treasure Hunt—Kapuskasing Structural Zone; Ontario Geological Survey, Open File Report 6065, 144p.