

PUBLICATIONS

Data Repository Items

DRI2018001

Kimberlite-indicator–mineral data derived from glacial sediments (till) in the Kaskattama highland area of northeastern Manitoba (parts of NTS 53N, O, 54B, C)

by T.J. Hodder

Microsoft® Excel® file supplements:

Hodder, T.J. and Kelley, S.E. 2018: Kimberlite-indicator minerals and clast-lithology composition of till, Kaskattama highland region, northeastern Manitoba (parts of NTS 53N, O, 54B, C); *in* Report of Activities 2018, Manitoba Growth, Enterprise and Trade, Manitoba Geological Survey, p. 150–165.

DRI2018002

Till-matrix geochemistry and clast-lithology count data from drillcore Kaskattama Kimberlite No. 1 (629938E, 6236237N, UTM Zone 15N [NAD83]), Kaskattama highland, northeastern Manitoba (part of NTS 54B7)

by T.J. Hodder

Microsoft® Excel® file supplements:

Hodder, T.J. 2018: Till composition of the Kaskattama Kimberlite No. 1 drillcore, Kaskattama highland region, northeastern Manitoba (part of NTS 54B7); *in* Report of Activities 2018, Manitoba Growth, Enterprise and Trade, Manitoba Geological Survey, p. 166–174.

DRI2018003

Geochemistry data of selected samples of volcanic and volcanoclastic rocks of the North Star assemblage, the West Reed–North Star shear zone and the Fourmile Island assemblage, Flin Flon belt, west-central Manitoba (parts of NTS 63K10, 15)

By S. Gagné, S.D. Anderson, M. Hamilton, R.-L. Simard and M. Lazzarotto

Microsoft® Excel® file supplements:

Gagné, S., Anderson, S.D., Hamilton, M., Simard, R.-L. and Lazzarotto, M. 2018: Geochemistry, Sm-Nd isotopes and U-Pb geochronology of volcanic rocks from the North Star assemblage and the West Reed–North Star shear zone, Flin Flon belt, west-central Manitoba (parts of NTS 63K10, 15): implications for VMS prospectivity; *in* Report of Activities 2018, Manitoba Growth, Enterprise and Trade, Manitoba Geological Survey, p. 48–63.

DRI2018004

Whole-rock litho-geochemistry, Sm-Nd isotope geochemistry, NORMAT alteration indices and normative mineral estimates, and thin section point count results for samples from the Tower Cu-Zn-Ag-Au deposit (part of NTS 63G14)

By C.G. Couëslan

Microsoft® Excel® file supplements:

Couëslan C.G. 2018: Geology of the Tower Cu-Zn-Ag-Au deposit, sub-Phanerozoic Superior boundary zone, central Manitoba (part of NTS 63G14); Manitoba Growth, Enterprise and Trade, Manitoba Geological Survey, Open File OF2018-4, 38 p.

Open Files

OF2018-1

Ice-flow history and till composition of the Southern Indian Lake area, north-central Manitoba (parts of NTS 64G1, 2, 7–10, 64B15)

by T.J. Hodder

OF2018-2

Gravity gradiometer survey of the Creighton area, Saskatchewan and Manitoba, parts of NTS 63-L/8 and 63-K/5

by O. Boulanger, F. Kiss and M. Coyle

Also released as Geological Survey of Canada Open File 8440 and Saskatchewan Geological Survey Open File 2018-7

OF2018-3

Till composition of a sampling transect in the Lynn Lake area, northwest Manitoba (parts of NTS 64B12, 64C9, 11, 12, 14–16, 64F3, 4)

by T.J. Hodder and M.S. Gauthier

OF2018-4

Geology of the Tower Cu-Zn-Ag-Au deposit, sub-Phanerozoic Superior boundary zone, central Manitoba (part of NTS 63G14)

by C.G. Couëslan

Preliminary Maps

PMAP2018-1

Sub-Phanerozoic geology of the south Wekusko Lake-Mitishto River area, eastern Flin Flon belt, west-central Manitoba (parts of NTS 63J5, 12 and 63K8, 9)

by K.D. Reid (scale 1:50 000)

PMAP2018-2

Bedrock geology of the Wekusko Lake pegmatite field (northeastern block), central Manitoba (part of NTS 63J13)

by D. Benn, T. Martins, R.L. Linnen, J. Ziehlke and J. Singh (scale 1:4 000)

EXTERNAL PUBLICATIONS

- Armstrong, D.K., Nicolas, M.P.B., Hahn, K.E., Lavoie, D. 2018: Stratigraphic synthesis of the Hudson Platform in Manitoba, Ontario, and Nunavut: Ordovician-Silurian; Geological Survey of Canada, Open File 8378, 2018, 48 p., URL <<https://doi.org/10.4095/308418>> [November 2018].
- Gauthier, M.S., Hodder, T.J., Ross, M. and Kelley, S.E. 2018: Glacial record of the southwestern Hudson Bay region and its significance for long-term ice sheet behaviour; CANQUA/AMQUA 2018, Ottawa, Ontario, August 7–11, 2018, poster presentation.
- Guevara, V.E., Dragovic, B., Caddick, M.J., Couëslan, C.G., Kylander-Clark, A.K.C., Maclennan, S.A., Schoene, B. and Baxter, E.F. 2018: Ultrahigh temperature metamorphism of Archean continental crust: insights from the petrochronology arsenal; Geological Society of America, 53rd annual northeastern section meeting, Burlington, Vermont, March 18–20, 2018, paper no. 16-1, URL <<https://gsa.confex.com/gsa/2018NE/meetingapp.cgi/Paper/310491>> [May 2018].
- Hollings, P.N., Baker, M.J., Orovan, E.A. and Rinne, M.L. 2018: A special issue devoted to porphyry and epithermal deposits of the Southwest Pacific: an introduction; *Economic Geology*, v. 113, p. 1–6.
- Kelley, S.E., Gauthier, M.S., Ross, M. and Hodder, T.J. 2018: Laurentide ice margin retreat and marine incursion: a view from western Hudson Bay; CANQUA/AMQUA 2018, Ottawa, Ontario, August 7–11, 2018, oral presentation.
- Kelley, S.E., Ross, M., Hodder, T.J., Gauthier, M.S., Elliott, B. and Normandeau, P. 2018: A mosaic of subglacial processes: examining the geological record of subglacial landscape evolution; Geological Society of America Annual Meeting, Indianapolis, Indiana, November 4–7, 2018, oral presentation.
- Lawley, C.J.M., Schneider, D., Yang, E., Davis, W.J., Jackson, S.E., Yang, Z., Zhang, S. and Selby, D. 2018: Age relationships and preliminary U-Pb zircon geochronology results from the Lynn Lake greenstone belt; *in* Targeted Geoscience Initiative: 2017 report of activities, volume 1, N. Rogers (ed.), Geological Survey of Canada, Open File 8358, p. 133–137, URL <<http://doi.org/10.4095/306459>> [November 2018].
- Rinne, M.L., Cooke, D.R., Harris, A.C., Finn, D.J., Allen, C.M., Heizler, M.T. and Creaser, R.A. 2018: Geology and geochronology of the Golpu porphyry and Wafi epithermal deposit, Morobe Province, Papua New Guinea; *Economic Geology*, v. 113, p. 271–294.
- Ross, M., Trommelen, M.S., Hodder, T.J., Kelley, S.E., Scott, S. and Bustard, A. 2018: Pleistocene drumlins of the Canadian Shield and their implications for recently proposed theories of drumlin formation; International Sedimentological Congress, Québec City, Québec, August 13–17, 2018, oral presentation.
- Yang, X.M., Drayson, D. and Polat, A. in press: S-type granites in the southwestern Superior Province: a marker of Archean terrane boundaries; *Canadian Journal of Earth Sciences*, URL <<https://doi.org/10.1139/cjes-2018-0056>> [November 2018].