PUBLICATIONS

Data Repository Items

DRI2013001

Geochronological data for sample 107-09-207a, Southern Indian Lake, Manitoba (part of NTS 64G8) by N. Rayner

Microsoft[®] Excel[®] file accompanies:

Kremer, P.D., Rayner, N. And Corkery, M.T. 2009: New results from geological mapping in the west-central and northeastern portions of Southern Indian Lake, Manitoba (parts of NTS 64G1, 2, 8, 64H4, 5); in Report of Activities, Manitoba Innovation, Energy and Mines, Manitoba Geological Survey, p. 94–107.

DRI2013002

Lithogeochemical database, Sm-Nd isotopic data and U-Pb geochronological data for the eastern Rice Lake greenstone belt, southeastern Manitoba (parts of NTS 52L11, 14)

by S.D. Anderson

Microsoft[®] Excel[®] file accompanies:

Anderson, S.D. 2013: Geology of the Garner–Gem lakes area, Rice Lake greenstone belt, southeastern Manitoba (parts of NTS 52L11, 14); Manitoba Mineral Resources, Manitoba Geological Survey, Geoscientific Report GR2013-1, 135 p.

DRI2013003

Field-based ice-flow indicator data, Gauer Lake–Wishart Lake area, north-central Manitoba (NTS 64H4, 5, 12, 13) by M.S. Trommelen

Microsoft[®] *Excel*[®] *file accompanies:*

Trommelen, M.S. 2013: Quaternary geology between Gauer Lake and Wishart Lake, north-central Manitoba (NTS 64H4, 5, 12 13, parts of 64G1, 8); in Report of Activities 2013, Manitoba Mineral Resources, Manitoba Geological Survey, p. 156–168.

DRI2013004

Radiocarbon data, Gillam and Knee Lake areas, north-central Manitoba (NTS 54C, D, 53M1) by M.S. Trommelen *Microsoft® Excel® file accompanies:*

Trommelen, M.S. 2013: Preliminary Quaternary geology in the Gillam area, northeastern Manitoba (parts of NTS 54D5–9, 11 and 54C12); in Report of Activities 2013, Manitoba Mineral Resources, Manitoba Geological Survey, p. 169–182.

DRI2013005

Field-based ice-flow indicator data, Gillam to Split Lake, north-central Manitoba (NTS 54D, 64A) by M.S. Trommelen *Microsoft® Excel® file accompanies: Trommelen, M.S. 2013: Preliminary Quaternary geology in the Gillam area, northeastern Manitoba (parts of NTS 54D5–9, 11 and 54C12); in Report of Activities 2013, Manitoba Mineral Resources, Manitoba Geological Survey,*

p. 169–182.

Geoscience Educational Series

ES2013-1

Cold Manitoba – the Quaternary: Glaciers – Manitoba's landscape artists – 25 000 to 11 000 years ago (Geological History of Manitoba poster)

ES2013-2 Cold Manitoba – the Quaternary: Glaciers retreat – the last to leave – 11 000 to 7 000 years ago *(Geological History of Manitoba poster)*

ES2013-3 Cold Manitoba – the Quaternary: Glacial leftovers – post-glacial period – the last 7 000 years (Geological History of Manitoba poster)

Geoscientific Papers

GP2013-1

Till composition and ice-flow indicator data, Snyder Lake area, northwestern Manitoba (parts of NTS 64N5) by M.S. Trommelen, J.E. Campbell, P.D. Kremer and C.O. Böhm *(Report on DVD)*

Geoscientific Reports

GR2011-1

Geology and geochemistry of arc and ocean-floor volcanic rocks in the northern Flin Flon Belt, Embury–Wabishkok– Naosap lakes area, Manitoba (parts of NTS 63K13, 14) by H.P. Gilbert (*Report with accompanying map and interactive GIS map on DVD*)

GR2012-1

Geology of the Elbow Lake area, central Flin Flon Belt, Manitoba (part of NTS 63K15W) by E.C. Syme and J.B. Whalen (*Report with accompanying map and interactive GIS map on DVD*)

GR2012-2

Geology of the Flin Flon area, Manitoba and Saskatchewan (part of NTS 63K12, 13) by R-L. Simard, K. MacLachlan, H.L. Gibson, Y.M. DeWolfe,, C.A. Devine, P.D. Kremer, B. Lafrance, D. Ames, E.C. Syme, A.H. Bailes,, K. Bailey, D. Price, S. Pehrsson, E.M. Lewis, D. Lewis and A.G. Galley (*Report with accompanying map MAP2010-1*)

GR2012-3

Stratigraphy and regional geology of the Late Devonian-Early Mississippian Three Forks Group, southwestern Manitoba (NTS 62F, parts of 62G, K) by M.P.B. Nicolas *(Report)*

GR2013-1

Geology of the Garner–Gem lakes area, Rice Lake greenstone belt, southeastern Manitoba (parts of NTS 52L11, 14) by S.D. Anderson *(Report with accompanying map and DRI2013002)*

Open Files

OF2011-1 GIS compilation of relogged sub-Phanerozoic Precambrian exploration drillcore from the Thompson Nickel Belt, eastern Flin Flon Belt and Winnipegosis Komatiite Belt (parts of NTS 63B, 63C, 63F, 63G, 63J) by C.R. McGregor (*Report and interactive GIS map on DVD*)

OF2012-1 GIS compilation of exploration drillcore from all Manitoba Geological Survey drillcore libraries by C.R. McGregor (*Report and interactive GIS map on DVD*)

OF2012-2 Digital compilation of sub-Phanerozoic Precambrian geology in Manitoba by C.R. McGregor (*Report and interactive GIS map on DVD*)

OF2013-1 / GAC–MAC Field Trip Guidebook FT-C5 Ordovician-Silurian boundary interval in the Williston Basin outcrop belt of Manitoba: a record of global and regional environmental and biotic change by R.J. Elias, G.A. Young, L.A. Stewart, M.W. Demski, M.J. Porter, T.D. Lukie, G.S. Nowlan and E.P. Dobrzanski (*Report for download*)

OF2013-2

Regional lake sediment geochemical data, Kasmere Lake–Nueltin Lake area, Manitoba (NTS 64-K, 64-N, 64-O) by M.W. McCurdy, J.E. Campbell, C.O. Böhm, M.S. Trommelen, and E.C. Syme *(Report for download; also released as: Geological Survey of Canada, Open File 7309)*

OF2013-3 / GAC–MAC Field Trip Guidebook FT-A2 Volcanological and Structural Setting of Paleoproterozoic VMS and Gold deposits at Snow Lake, Manitoba by A. Bailes, K. Rubingh, S. Gagné, C. Taylor, A. Galley, S. Bernauer and D. Simms (*Report for download*)

OF2013-4 / GAC–MAC Field Trip Guidebook FT-A1 The Rice Lake mine trend, Manitoba: regional setting, host rock stratigraphy and structural evolution of a classical Archean orogenic gold system by S.D. Anderson (*Report for download*)

OF2013-5 / GAC–MAC Field Trip Guidebook FT-B1 Geology of the Manitoba Legislative Building by J. Young, G. Young and W.C. Brisbin (*Report for download*)

OF2013-6 / GAC-MAC Field Trip Guidebook FT-C3 The volcanological and structural evolution of the Paleoproterozoic Flin Flon Mining District, Manitoba: the anatomy of a giant VMS system by H. Gibson, B. Lafrance, S. Pehrsson, M. DeWolfe, K. Gilmore, R.-L. Simard and B. Pearson (*Report for download*) OF2013-7 / GAC–MAC Field Trip Guidebook FT-C2 Mafic and ultramafic intrusive rocks and associated Ni-Cu-(PGE) and Cr-(PGE) mineralization in the Bird River greenstone belt, southeast Manitoba by H.P. Gilbert, M.G. Houlé, X.M. Yang, J.S. Scoates, R.F.J. Scoates, C.A. Mealin, V. Bécu, V.J. McNicoll and C.R. Galeschuk (*Report for download*)

OF2013-8 / GAC–MAC Field Trip Guidebook FT-C1 The Tanco mine: geological setting, internal zonation and mineralogy of a world-class rare element pegmatite deposit by T. Martins, P. Kremer and P. Vanstone (*Report for download*))

OF2013-9 / GAC–MAC Field Trip Guidebook FT-A4 Upper Cretaceous-Paleocene stratigraphy and mineral resources of southwestern Manitoba (parts of NTS 62F, G) by J.D. Bamburak and M.P.B. Nicolas (*Report for download*)

Preliminary Maps

PMAP2013-1

Geology and structure of northeastern Oxford Lake, Manitoba (parts of NTS 53L13, 14): sheet 1 by S.D. Anderson, P.D. Kremer and T. Martins scale 1:20 000

PMAP2013-2

Geology and structure of northeastern Oxford Lake, Manitoba (parts of NTS 53L13, 14): sheet 2 by S.D. Anderson, P.D. Kremer and T. Martins scale 1:20 000

PMAP2013-3

Geology and structure of northeastern Oxford Lake, Manitoba (parts of NTS 53L13, 14): sheet 3 by S.D. Anderson, P.D. Kremer and T. Martins scale 1:20 000

PMAP2013-4 Bedrock geology of northeastern Cauchon Lake, Manitoba (parts of NTS 63P9, 10) by C.G. Couëslan scale 1:20 000

PMAP2013-5

Bedrock geology of northern and western Partridge Crop Lake, Manitoba (parts of NTS 63P11, 12) by C.G. Couëslan scale 1:20 000

PMAP2013-6

Geology and structure of the eastern extension of the Rice Lake mine trend, Rice Lake greenstone belt, southeastern Manitoba (part of NTS 52M3, 4) by S.D. Anderson scale 1:10 000 PMAP2013-7 Bedrock geology of the Cat Lake–Euclid Lake area, Bird River greenstone belt, southeastern Manitoba (parts of NTS 52L11, 12) by X.M. Yang scale 1:10 000

PMAP2013-8

Geology of the Rail Lake–Sewell Lake area, Flin Flon–Snow Lake greenstone belt, west-central Manitoba (parts of NTS 63K10, 15) by S. Gagné scale 1:10 000

- Bamburak, J.D., Nicolas, M.P.B. and Hatcher, J. 2013: A visual system of correlating bentonite seams in the Pembina Member of the Upper Cretaceous Pierre Shale in the Pembina Hills area of Manitoba and North Dakota (abstract); Geological Association of Canada–Mineralogical Association of Canada, Joint Annual Meeting, Winnipeg, Manitoba, May 22–24, 2013, URL <http://gac.esd.mun.ca/gac_2013/search_abs/sub_program.asp?sess=98&form=10&abs_ no=79> [October 11, 2013]
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- Lavoie, D., Pinet N., Dietrich, J., Hu, K., Zhang, S., Chen, Z., Decker, V., Armstrong, D., Nicolas, M.P.B. and Duchesne, M.J. 2013: The final North America conventional oil frontier: The intracratonic Hudson Bay Basin in northern Canada (abstract); Geological Society of America, Annual Meeting and Expo, Denver, Colorado, October 27-30, 2013, URL https://gsa.confex.com/gsa/2013AM/webprogram/Paper223755.html [October 11, 2013]
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