

# **PUBLICATIONS**

**MANITOBA GEOLOGICAL SURVEY PUBLICATIONS**  
**RELEASED DECEMBER 2011 TO NOVEMBER 2012**

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## **Data Repository Items**

DRI2012001

Whole-rock geochemistry of the Burntwood Lake alkali-feldspar syenite, west-central Manitoba (part of NTS 63N8)

By T. Martins

DRI2012002

RockEval™ 6 results from Paleozoic core samples from the Hudson Bay Lowland, northeastern Manitoba (part of NTS 54)

By M.P.B. Nicolas and D. Lavoie

DRI2012003

RockEval™ 6, X-ray diffraction and inorganic geochemistry of Cretaceous shale drill-cutting and outcrop samples, southwestern Manitoba (NTS 62F11, parts of 62G)

By M.P.B. Nicolas and J.D. Bamburak

DRI2012004

Field-based ice-flow indicator data, Oxford House–Knee Lake area, northeastern Manitoba (NTS 53L14, 15, 53M1, 2)

By M.S. Trommelen

DRI2012005

Geological investigations in the Brunne Lake area of the Flin Flon Belt, Manitoba (part of NTS 63K11 and 63K14)

By S. Gagné

DRI2012006

Rare metals scoping study of the Brezden Lake intrusive complex, western Manitoba (part of NTS 64C4)

By T. Martins, C.G. Couëslan and C.O. Böhm

## **Geoscientific Maps**

MAP2011-1

Surficial geology, Gordon River, Manitoba

by M.T. Trommelen and J.E. Campbell

Also released as: Geological Survey of Canada, Canadian Geoscience Map 40

MAP2011-2

Surficial geology, Stubner Lake, Manitoba

by M.T. Trommelen and J.E. Campbell

Also released as: Geological Survey of Canada, Canadian Geoscience Map 41

MAP2011-3

Surficial geology, Great Island–Seal River, Manitoba

by M.T. Trommelen and J.E. Campbell

Also released as: Geological Survey of Canada, Canadian Geoscience Map 42

MAP2011-4

Surficial geology, Sosnowski Lake, Manitoba

by M.T. Trommelen and J.E. Campbell

Also released as: Geological Survey of Canada, Canadian Geoscience Map 43

## **Open Files Series**

OF2011-4

Till composition and ice-flow indicator data, Great Island–Caribou Lake area (parts of NTS 54L, 54M, 64I and 64P), northeast Manitoba

by J.E. Campbell, M.S. Trommelen, M.W. McCurdy, C.O. Böhm and M. Ross

Also released as: Geological Survey of Canada, Open File 6967

## **Preliminary Maps**

PMAP2012-1

Geology and structure of southwest Oxford Lake (west part), Manitoba (parts of NTS 53L12, 13, 63I9, 16), scale 1:20 000

By S.D. Anderson, P.D. Kremer and T. Martins

PMAP2012-2

Geology and structure of southwest Oxford Lake (east part), Manitoba (parts of NTS 53L12, 13), scale 1:20 000

By S.D. Anderson, P.D. Kremer and T. Martins

PMAP2012-3

Bedrock geology of the Cat Creek area, Bird River greenstone belt, southeastern Manitoba (part of NTS 52L12), scale 1:12 500

By X.M. Yang

PMAP2012-4

Geology of the southeastern margin of the Ross River pluton, Rice Lake greenstone belt, southeastern Manitoba (parts of NTS 52L14), scale 1:2000

By X. Zhou, S. Lin and S.D. Anderson

PMAP2012-5

Bedrock geology of central Sipiwesk Lake, Pikwitonei Granulite Domain, central Manitoba (part of NTS 63P4), scale 1:20 000

By C.G. Couëslan, C.O. Böhm and T. Martins

PMAP2012-6

Geology of the Brunne Lake area, Flin Flon Belt, west-central Manitoba (parts of NTS 63K11, 14) scale 1:10 000

By S. Gagné

PMAP2012-7

Preliminary lithostratigraphic map of the McLeod Road–Birch Lake thrust panel, Snow Lake, west-central Manitoba (parts of NTS 63K16, 63J13), scale 1:5000

By K.E. Rubingh, B. Lafrance, H.L. Gibson and S. Gagné

## EXTERNAL PUBLICATIONS

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- Böhm, C.O., Kremer, P.D. and Rayner, N. 2012: The Wollaston Supergroup in Manitoba: Tectono-stratigraphy and uranium-rare metal mineralization (abstract); St. John's 2012, Joint Annual Meeting GAC-MAC, May 27-29, 2012, URL <[http://gac.esd.mun.ca/gac\\_2012/search\\_abs/sub\\_program.asp?sess=98&form=10&abs\\_no=124](http://gac.esd.mun.ca/gac_2012/search_abs/sub_program.asp?sess=98&form=10&abs_no=124)> [October 22, 2012]
- Eggie, L., Chow, N. and Nicolas, M.P.B. 2012: Lithofacies analysis and reservoir potential of the Duperow Formation (Upper Devonian), Williston Basin, southwestern Manitoba (abstract); 2012 CSPG CSEG CWLS Conference extended abstracts; Calgary, Alberta, May 14-18, 2012, URL <[http://www.cspg.org/documents/Conventions/Archives/Annual/2012/195\\_GC2012\\_Lithofacies\\_Analysis\\_and\\_Reservoir\\_Potential\\_of\\_the\\_Duperow.pdf](http://www.cspg.org/documents/Conventions/Archives/Annual/2012/195_GC2012_Lithofacies_Analysis_and_Reservoir_Potential_of_the_Duperow.pdf)> [October 22, 2012], 2 p.
- Faltinson, J., Bachu, S. and Nicolas, M. 2012: Leakage potential of wells penetrating the basal aquifer in the Prairie Region of Canada (abstract); Eleventh Annual Carbon Capture, Utilization and Sequestration Conference extended abstracts, Pittsburg, PA, April 30-May 3, 2012, 12 p.
- Gilbert, H.P. 2012: Stratigraphy and tectonic setting of Neoproterozoic arc volcanic rocks in the Bird River Belt, Manitoba, Canada (abstract); Institute on Lake Superior Geology, 58th Annual Meeting, Thunder Bay, Ontario, May 16-20, 2012, Proceedings volume 58, proceedings and abstracts, p. 31-32.
- Hosseinienejad, S., Pedersen, P.K., Spencer, R.J. and Nicolas, M.P.B. 2012: Mineralogy, sedimentology and facies description of a potential Cretaceous shale gas play in southwestern Manitoba (abstract); 2012 CSPG CSEG CWLS Conference extended abstracts; Calgary, Alberta, May 14-18, 2012; <[http://www.cspg.org/documents/Conventions/Archives/Annual/2012/112\\_GC2012\\_Mineralogy\\_Sedimentology\\_and\\_Facies\\_Description.pdf](http://www.cspg.org/documents/Conventions/Archives/Annual/2012/112_GC2012_Mineralogy_Sedimentology_and_Facies_Description.pdf)> [October 22, 2012]; 1 p.
- Lavoie, D., Pinet, N., Duchesne, M., Asselin, E., Kezhen, H., Dietrich, J., Zhang, S., Reyes, J., Kohn, B., Budkewitsch, P., Bertrand, R., Armstrong, D. and Nicolas, M. 2012: The Hudson Bay intracratonic basin in northern Canada: new hydrocarbon system data for an oil-prospective frontier basin (abstract); 2012 AAPG Annual Convention and Exhibition abstracts, Long Beach, CA, April 22-25, 2012, URL <<http://www.searchanddiscovery.com/abstracts/html/2012/90142ace/abstracts/lav.htm>> [October 22, 2012], 1 p.
- Lavoie, D., Pinet, N., Duchesne, M., Zhang, S., Dietrich, J., Hu, K., Brake, V., Asselin, E., Galloway, J., Decker, V., Reyes, J., Kohn, B., Armstrong, D., Nicolas, M. and Bertrand, R. 2012: New Geoscience Data for the Hudson Platform: Opening-up the Last North American Intracratonic Basin to Oil Exploration (abstract); 2012 CSPG CSEG CWLS Conference extended abstracts; Calgary, Alberta, May 14-18, 2012, URL <[http://www.cspg.org/documents/Conventions/Archives/Annual/2012/014\\_GC2012\\_New\\_Geoscience\\_Data\\_for\\_Hudson\\_Platform.pdf](http://www.cspg.org/documents/Conventions/Archives/Annual/2012/014_GC2012_New_Geoscience_Data_for_Hudson_Platform.pdf)> [October 22, 2012], 4 p.
- Nicolas, M.P.B. 2012: New insights into the Three Forks Group, southwestern Manitoba: stratigraphic changes and new sedimentological model (abstract); 2012 CSPG CSEG CWLS Conference extended abstracts; Calgary, Alberta, May 14-18, 2012, URL <[http://www.cspg.org/documents/Conventions/Archives/Annual/2012/073\\_GC2012\\_New\\_Insights\\_into\\_the\\_Three\\_Forks\\_Group.pdf](http://www.cspg.org/documents/Conventions/Archives/Annual/2012/073_GC2012_New_Insights_into_the_Three_Forks_Group.pdf)> [October 22, 2012]; 1 p.
- Trommelen, M. S., Ross, M. and Campbell, J. E. 2012: Glacial Terrain Zone analysis of a fragmented paleoglaciological record, southeast Keewatin sector of the Laurentide Ice Sheet; Quaternary Science Reviews, v. 40, p. 1-20.
- Trommelen, M. S., Ross, M. and Campbell, J. E. in press: Inherited clast dispersal patterns: implications for paleoglaciology of the southeast Keewatin Sector of the Laurentide Ice Sheet; Boreas.
- Yang, X.M. 2012: Calculation of rare earth element patterns in magmatic fluids: evidence for origin of the Lake George Sb-Au-W-Mo ore deposit, New Brunswick, Canada; Open Geology Journal, v. 6, p. 19-24.
- Yang, X.M. 2012: Sulphur solubility in felsic magmas: implications for genesis of intrusion-related gold mineralization; Geoscience Canada, v. 39, p. 17-32.