

# **PUBLICATIONS**

## PRELIMINARY MAPS

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- PMAP2009-1 Geology of the McLeod Road–Birch Lake allochthon, Herblet Lake (Southeast Bay), Snow Lake area, Manitoba (part of NTS 63J13)  
by S. Gagné.....scale 1:10 000
- PMAP2009-2 Bedrock geology of the Partridge Breast Lake belt, Manitoba (parts of NTS 64G1, 8, 64H4, 5)  
by P.D. Kremer, M.T. Corkery and P.G. Lenton.....scale 1:50 000
- PMAP2009-3 Bedrock geology of the Paint Lake area, Manitoba (parts of NTS 63O8, 9, 63P5, 12)  
by C.G. Couëslan.....scale 1:20 000
- PMAP2009-4 Bedrock geology of the Great Island area, Manitoba (parts of NTS 54L13, 54M4, 64I15, 16,  
64P1, 2)  
by S.D. Anderson, C.O Böhm, E.C. Syme, A. Carlson and L.A. Murphy.....scale 1:75 000
- PMAP2009-5 Geology of the Notigi–Wapisi lakes area, Northeast Kisseynew subdomain, Manitoba  
(parts of NTS 63O14 and 64B3)  
by L.A. Murphy and H.V. Zwanzig.....scale 1:20 000

## PUBLICATIONS RELEASED JANUARY TO NOVEMBER 2009

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### Manitoba Geological Survey Reports and Maps

#### Geoscientific Papers

GP2009-1

Williston Basin Project (Targeted Geoscience Initiative II): Summary report on Mesozoic stratigraphy, mapping and hydrocarbon assessment, southwestern Manitoba

by M.P.B. Nicolas

#### Geoscientific Maps

MAP2009-1

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. Devine, P.D. Kremer, B. Lafrance, D.E. Ames, E.C. Syme, A.H. Bailes, K. Bailey, D. Price, S. Pehrsson, E. Cole, D. Lewis and A.G. Galley

#### Open Files

OF2008-11

CAMIRO Project 97E-02, Thompson Nickel Belt: final report March 2002, revised and updated 2003

by M. Burnham, N. Halden, L. Heaman, D. Layton-Matthews, M. Leshner, J. Liwanag, N. Machado, D. Michalak, D. Peck, A. Potrel, K. Toope and H. Zwanzig

OF2009-1 to OF2009-12

Airborne geophysical survey of the Great Island and Seal River area, Manitoba (NTS 64P/03, 64P/02, 64P/01 and part of 54M/04, 64I/16 and part of 54L/13, 64I/15, 64I/14, 64I/11, 64I/10, 64I/09 and part of 54L/12, 64I/07, 64I/06, 64I/08 and part of 54L/05, parts of 64I, 64P, 54L and 54M)

by R. Fortin, M.Coyle, J.M. Carson and F. Kiss

OF2009-13

Till geochemical and indicator mineral reconnaissance of southeastern Manitoba (west half of NTS 52E AND 52L and all of 62H and 62I): final results

by L.H. Thorleifson, G.L.D. Matile, G.R. Keller, and S. A. Hauck

#### Stratigraphic Maps

TGI II Williston Basin Project

39 stratigraphic maps (structure and isopach) of the Mesozoic

by TGI Williston Basin Working Group

## Data Repository Items

DRI2009001

Operation Superior: multimedia geochemical survey results northeast of the Knee Lake greenstone belt, northern Superior Province, Manitoba (NTS 53M, 53N)

by M.A.F. Fedikow, E. Nielsen, G.G. Conley and P.G. Lenton

DRI2009002

Water chemistry results from domestic water wells in the Pembina Hills region, southwest Manitoba (parts of NTS 62G)

by M.P.B. Nicolas and S.E. Grasby

DRI2009003

Rock Eval™ 6 results from Cretaceous shale outcrop and core samples from phase 1, Shallow Unconventional Shale Gas Project, southwest Manitoba

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

DRI2009004

Semiquantitative x-ray diffraction results from Cretaceous shale outcrop and core samples from phase 1, Shallow Unconventional Shale Gas Project, southwest Manitoba

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

DRI2009005

Geochronological data of the Notigi–Wapisi lakes area

by N. Rayner

## Web Releases

TGI-2 Williston Basin Architecture and Hydrocarbon Potential Project site:

- Williston Basin Hydrocarbon Assessment Compilation
- 3-D geological model of the Williston Basin

GIS Map Gallery

- Mineral Deposits Database

Geoscience site:

- MGS Geoscience Projects 2009–2010

## **Digital Re-releases**

The MGS is in the process of digitizing reports and maps that were previously only available in print copy or were out-of-print. The following publications are now available in digital format for free download and/or for purchase on CD-ROM:

### **Publication**

PUB 48-3

Geology of the English Brook area / by G.A. Russell, published 1949.

### **Geological Reports**

GR80-7

Surficial geology of the Swan River area / by E. Nielsen, published 1988.

GR87-1

Geology of the Flin Flon–White Lake area / by A.H. Bailes and E.C. Syme, published 1986.

GR87-3

Geology of the Barrington Lake–Melvin Lake–Fraser Lake area / by H.P. Gilbert, published 1993.

### **Report of Activities**

Report of Field Activities 1984, published 1984.

## EXTERNAL PUBLICATIONS

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- Böhm, C.O. and Heaman, L.M. 2009: In memory of Tom Krogh, Nuno Machado and Werner Weber: deciphering the Neoproterozoic high-grade metamorphic evolution of the Pikwitonei Granulite Domain, Manitoba, Canada, and its comparison with other Superior Province high-grade terranes; 2009 Joint Assembly, Toronto, abstract GA13C-04.
- Chakhmouradian, A.R., Böhm, C.O., Demény, A., Reguir, E.P., Hegner, E., Creaser, R.A., Halden, N.M. and Yanga, P. in press: “Kimberlite” from Wekusko Lake, Manitoba: actually a diamond-indicator-bearing dolomite carbonatite; *Lithos*.
- Downey, M.W., Lin, S., Böhm, C.O. and Rayner, N.M. 2009: Timing and kinematics of crustal movement in the Northern Superior superterrane: insights from the Gull Rapids area of the Split Lake Block, Manitoba; *Precambrian Research*, v. 168, p. 134–148.
- Kremer, P.D. 2009: Geological investigations in the Southern Indian Lake area, northern Manitoba (abstract); American Geophysical Union, Joint Assembly 2009, Toronto, Ontario, Abstract GA71A-17.
- Nicolas, M.P.B. and Bamburak, J.D. 2009: Cretaceous shale gas prospects for southwestern Manitoba: preliminary results (abstract); Williston Basin Petroleum Conference and Prospect Expo 2009, Regina, Saskatchewan; URL <[http://www.wbpc.ca/assets/File/Presentation/11\\_Nicolas\\_Manitoba.pdf](http://www.wbpc.ca/assets/File/Presentation/11_Nicolas_Manitoba.pdf)> [April 26, 2009]; oral presentation.
- Nicolas, M.P.B. and Bamburak, J.D. 2009: Shallow unconventional Cretaceous shale gas in southwestern Manitoba (abstract); CSPG CSEG CWLS Joint Annual Convention 2009, Calgary, Alberta, Poster Program, p. 62; URL <<http://www.cspg.org/conventions/conventions-abstracts.cfm>> [October 30, 2009]; poster.
- Nicolas, M.P.B. and Bezys, R.K. 2009: Williston Basin architecture and hydrocarbon potential in Eastern Saskatchewan and Western Manitoba; *Manitoba Oil and Gas Review 2008-2009*; p. 17-21.
- Prouse, D. 2009: Nickel, precious metals bring record spending totals; in *Exploration and Development Highlights 2009: an annual publication of the Prospectors and Developers Association of Canada*, March 2008, p. E4-E5.
- Prouse, D. and Lavergne, M. 2008: Boosting economies, generating knowledge; *CIM Magazine – Outlook Issue*, December 2008/January 2009, vol. 3, no. 8, p. 60-63.