PUBLICATIONS
PRELIMINARY MAPS

PMAP2004-1  Geology of central and north Split Lake, Manitoba (parts of NTS 54D4, 5, 6 and 64A1) 
by R.P. Hartlaub, and Y. D. Kuiper .............................................................................scale 1:25 000

PMAP2004-2  Structural geology of Assean Lake, Manitoba (parts of NTS 64A1, 2 and 8) 
by Y. D. Kuiper, S. Lin, C.O. Böhm and M.T. Corkery ..............................................scale 1:25 000

PMAP2004-3  Structural geology of the Aiken River deformation zone, Manitoba (parts of NTS 64A1 and 2) 
by Y.D. Kuiper and S. Lin ...........................................................................................scale 1:50 000

PMAP2004-4  Structural geology of the Aiken River deformation zone, York Landing area, Manitoba 
(part of NTS 64A1) 
by Y.D. Kuiper and S. Lin ...........................................................................................scale 1:20 000
Manitoba Geological Survey Reports and Maps

Geoscientific Papers

GP2004-1

Geoscientific Reports

GR2004-2
Geology and geochemistry of Archean supracrustal and intrusive rocks in the southeast Max Lake–Aswapiswan Lake area, Manitoba (parts of NTS 53L5N, 6NW and 12SW) / Gilbert, H.P.

GR2004-1
Prairie-type microdisseminated mineralization in the Dawson Bay area, west-central Manitoba (NTS 63C14 and 15) / Fedikow, M.A.F., Bezys, R.K., Bamburak, J.D., Hosain, I.T. and Abercrombie, H.J.

Open File Reports

OF2004-2 (digital web release only)

OF2004-1 (digital web release only)

OF2003-3 (digital web release only)
Manitoba Kimberlite Indicator Mineral Database / Keller, G.R., Bogdan, D.J. and Matile, G.L.D.

Exploration Reports

EX2004-1 (digital web release only)
Detection of base-metal massive sulphide type mineralization using conductivity measurements on rock-powder slurries: an example from the Photo Lake Cu-Zn deposit, Snow Lake, Manitoba (NTS 63K16) / Fedikow, M.A.F. and Conley, G.G.

Surficial Geology Compilation Map Series

SG-SMB
Surficial geology of southern Manitoba (south of 53°) / Matile, G.L.D. and Keller, G.R., scale 1:500 000
Geoscientific Map Series

MAP2004-4
Shaded relief topography of Manitoba / Matile, G.L.D. and Keller, G.R., scale 1:1 000 000

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Surficial geology, Inwood, Manitoba (NTS 62I11, 12, 13 and 14) / Grant, N.M., scale 1:100 000

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Surficial geology, Bélair, Manitoba (NTS 62I9, 10, 15 and 16) / Burt, A.K., scale 1:100 000

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Surficial geology, Beausejour, Manitoba (NTS 62I1, 2, 7 and 8) / Burt, A.K., scale 1:100 000

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Surficial geology, Big Whiteshell Lake, Manitoba-Ontario (NTS 52L3, 4, 5 and 6) / Mann, J.D., scale 1:100 000

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Surficial geology, Winnipeg, Manitoba (NTS 62H11, 12, 13 and 14) / Matile, G.L.D., scale 1:100 000

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Surficial geology, Steinbach, Manitoba (NTS 62H9, 10, 15 and 16) / Matile, G.L.D., scale 1:100 000

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Surficial geology, Sandilands, Manitoba (NTS 62H1, 2, 7 and 8) / Matile, G.L.D., scale 1:100 000

MAP2003-12
Surficial geology, Whitemouth Lake, Manitoba-Ontario-Minnesota (NTS 52E3, 4, 5 and 6) / Matile, G.L.D., scale 1:100 000

Report of Activities 2003

FLIN FLON-SNOW LAKE

Geological investigations in the northern Flin Flon Belt, Manitoba (parts of NTS 63K13NE and 14NW) / Gilbert, H.P., p. 9-21

Volcanogenic massive sulphide deposit documentation in the Snow Lake area, Manitoba (NTS 63J13 and 63K16): progress report / Heine, T.H., 22-24

Platinum group element investigations in the Flin Flon greenstone belt: Mikanagan Lake and Tartan Lake gabbroic complexes, Manitoba (NTS 63K13) / Theyer, P. and Heine, T.H., p. 25-28

Geochemical studies of dwarf birch twigs, peat, bog iron and clay at Reed Lake, Manitoba (NTS 63K10) / Gale, G.H., p. 29-36

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Structural geology of the Assean Lake and Aiken River deformation zones, northern Manitoba (NTS 64A1, 2 and 8) / Kuiper, Y.D., Lin, S., Böhm, C.O., and Corkery, M.T., p. 105-113

Split Lake Block revisited: new geological constraints from the Birthday to Gull Rapids corridor of the lower Nelson River (NTS 54D5 and 6) / Hartlaub, R.P., Heaman, L.M., Böhm, C.O. and Corkery, M.T., p. 114-117

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EXTERNAL PUBLICATIONS


Downey, M.W., Lin, S. and Böhm, C. 2004: The structural geology, kinematics, and timing of deformation at the Superior craton margin, Gull Rapids, Manitoba (abstract); Canadian Tectonics Group, Fall Meeting 2004, Saint John, New Brunswick, abstract volume.


