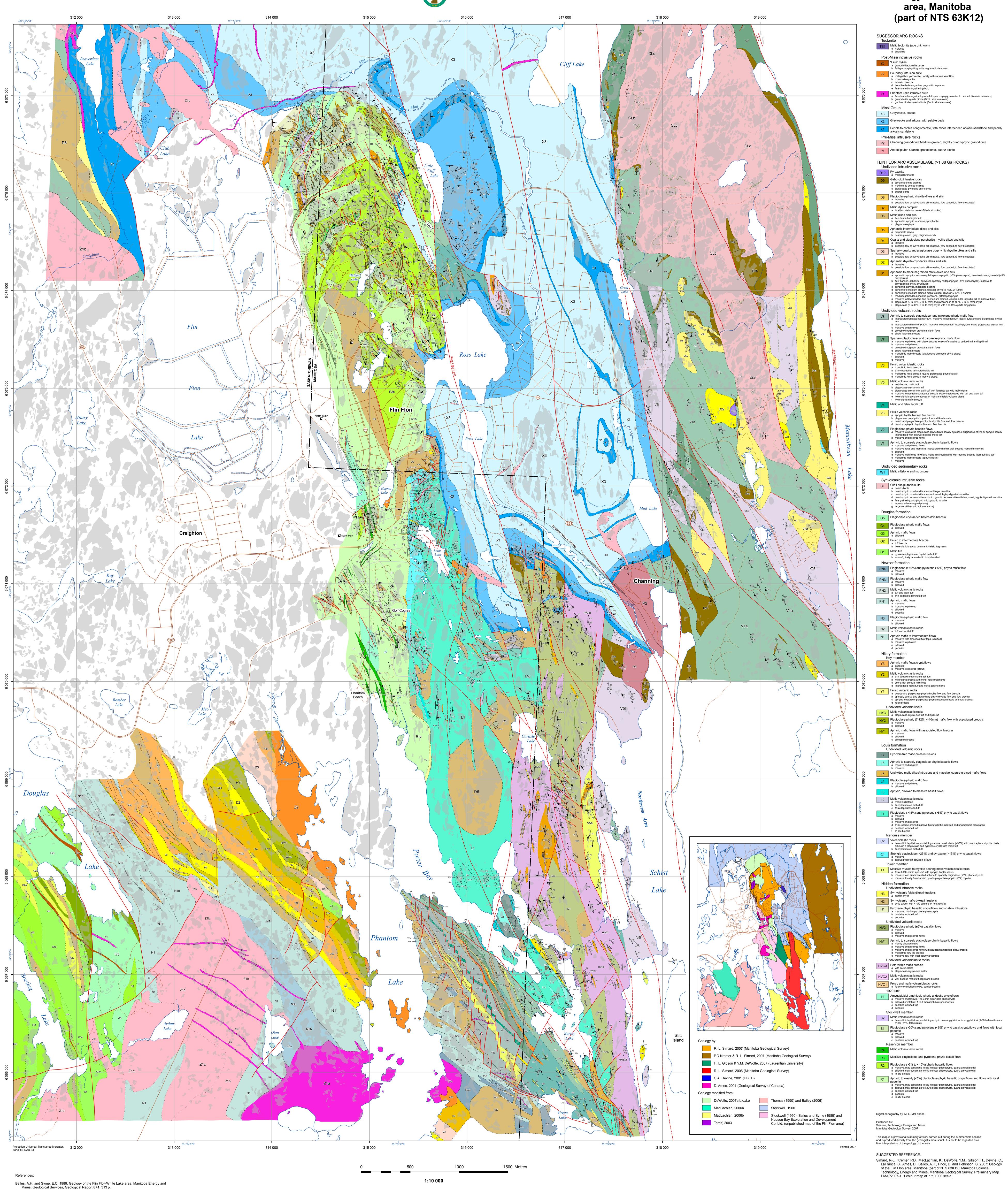
Geology of the Flin Flon





Bailey, K.A. 2006. Emplacement, petrogenesis and volcanic reconstruction of the intrusive and extrusive Myo Complex, Flin Flon and Creighton, Saskatchewan, unpublished M.Sc. thesis, Laurentian University, Sudbury, Ontario, 124 p. Devine, C.A. 2003: Origin and emplacement of volcanogenic massive sulphidehosting, Paleoproterozoic volcaniclastic and effusive rocks within the Flin Flon subsidence structure, Manitoba and Saskatchewan, Canada; M.Sc. thesis, Laurentian University, Sudbury, Ontario, 279p. railway, Flin Flon region, Manitoba and Saskatchewan (part of NTS 63K13); Manitoba Science,

DeWolfe, Y.M. 2007a: Geology of the Hidden and Louis formations north of the Canadian National Technology, Energy and Mines, Manitoba Geological Survey, Open File OF20072, map at 1:2000 DeWolfe, Y.M. 2007b: Geology of the Hidden and Louis formationsin the Hidden Lake area, Flin Flon region, Manitoba and Saskatchewan (part of NTS 63K13); Manitoba Science, Technology, Energy and Mines, Manitoba Geological Survey, Open File OF20073, map at 1:2000 scale. DeWolfe, Y.M. 2007c: Geology of the Hidden and Louis formations in the Louis Lake area, Flin Flon region, Manitoba and Saskatchewan (part of NTS 63K13); Manitoba Science, Technology, Energy and Mines, Manitoba Geological Survey, Open File OF20074, map at 1:2000 scale. DeWolfe, Y.M. 2007d: Geology of the Hidden and Louis formations in the Phantom Lake Golf Course area, Flin Flon region, Saskatchewan (parts of 63K12, 13); Manitoba Science, Technology, Energy and Mines, Manitoba Geological Survey, Open File OF20075, map at 1:2000 scale. DeWolfe, Y.M. 2007e: Geology of the Hidden and Louis formations, northern peninsula of Potter Bay, Phantom Lake area, Flin Flon region, Saskatchewan (part of NTS 63K12W); Manitoba Science,

Technology, Energy and Mines, Manitoba Geological Survey, Open File OF20076, map at 1:2000 Gibson, H.L. Bailes, A.H. Tourigny, G. Syme, E.C. 2003. Geology of the Millrock Hill area, Flin Flon, Manitoba (parts of NTS 63K12NW and 63K13NSW); Manitoba Industry, Economic Development and Mines, Manitoba Geological Survey, Preliminary Map2003-6, 1 colour map. Scale 1:500. MacLachlan, K., 2006a. Preliminary bedrock geology map of the Douglas Lake area, Saskatchewan. Preliminary map at 1:3000 scale, in Summary of Investigations 2006, Saskatchewan Energy and Mines, Miscellaneous Report 2006-4.2. MacLachlan, K., 2006b. Preliminary geological map of the Green Lake area Saskatchewan, Preliminary map at 1:3000 scale, in Summary of Investigations 2006, Saskatchewan Energy and Mines, Miscellaneous Report 2006-4.2. Simard, R-L, 2006: Geology of the Schist Lake–Mandy mines area, Flin Flon, Manitoba (parts of

NTS 63K12); Manitoba Science, Technology, Energy and Mines, Manitoba Geological Survey, Preliminary Map 2006-1, 1 colour map at 1:5000 scale. Stockwell, C.H. 1960: Flin Flon-Mandy, Manitoba and Saskatchewan; Geological Survey of Canada, Map 1078A, scale 1:12 000. Syme, E.C. 1975. Petrogenesis of the boundary intrusions, Flin Flon area, SaskatchewanManitoba; M.Sc. thesis, University of Saskatchewan, 169 p. Tardif, N.P. 2003. Hanging wall alteration above the Paleoproterozoic, Callinan and Triple 7 volcanogenic massive sulfide deposits, Flin Flon, Manitoba, Canada; M.Sc. thesis, Laurentian University, 100 p. Thomas, D.J. 1989. Bedrock Geology, Douglas LakePhantom Lake Area (parts of 63K-12, and - 13), Preliminary map at 1:12,500 scale; in Summary of Investigations 1989, Saskatchewan Energy and Mines, Miscellaneous Report 89-4 Thomas, D.J. 1990. Bedrock Geology, Douglas Phantom Lakes Area (parts of 63K-12, - 13). Preliminary geological map. 1:12,500 scale. in Summary of Investigations 1990, Saskatchewan Energy and

Mines, Miscellaneous Report 90-4

Legend Geological contacts

Mine shaft

Tailing pond

— · — Provincial boundary

Airstrip

Provincial highway

——— Paved road

---- Gravel road

==== Bridge

Limit of mapping

Contacts: defined, approximate, assumed Facies contact: defined, approximate, assumed Fault: defined, approximate, assumed Thrust fault: defined, approximate, assumed

Syncline Syncline: assumed Anticline: approximate, overturned Planar structure* Bedding: tops unknown, known, overturned

Pillows: tops unknown, known, overturned プレスレス Foliation: generation - unknown, 1st, 2nd, 3rd, 4th Flow contact: tops unknown, known, overturned

Shear: sense unknown Shear bands: generation - unknown, 2nd, sinistral sense Dextral shear Sinistral shear

* Generations of the various structures is outcrop-based and may not be consistent from one outcrop to the next.

Fault: sense unknown

Sinistral fault

Gneissosity: generation - 2nd Lineations* Fold axis: generation - unknown,1st, 2nd, asymmetry unknown Fold axis: generation - unknown, symmetric Fold axis: generation - unknown, S-asymmetric Fold axis: generation - unknown, 2nd, Z-asymmetric L-fabric: generation - unknown, 1st, 2nd

Intersection lineation: generation - 2nd

Fold axial plane: generation - unknown, 2nd

Igneous layering: tops unknown

PMAP 2007-1











