

Geology of the Langley Bay Area (Part of NTS 74N/6 and 7)

at 1:20 000 scale

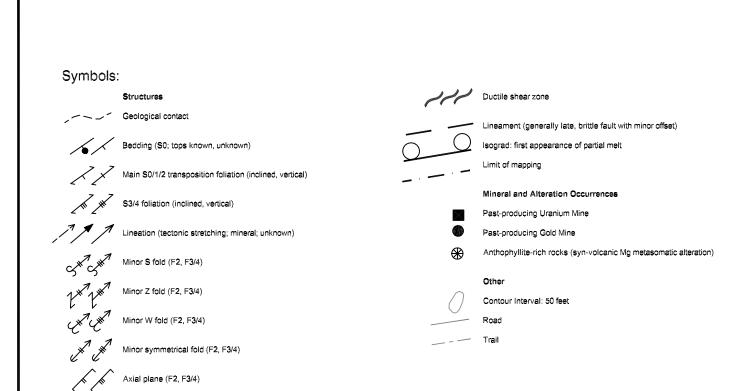
Preliminary Geological Map (2000)

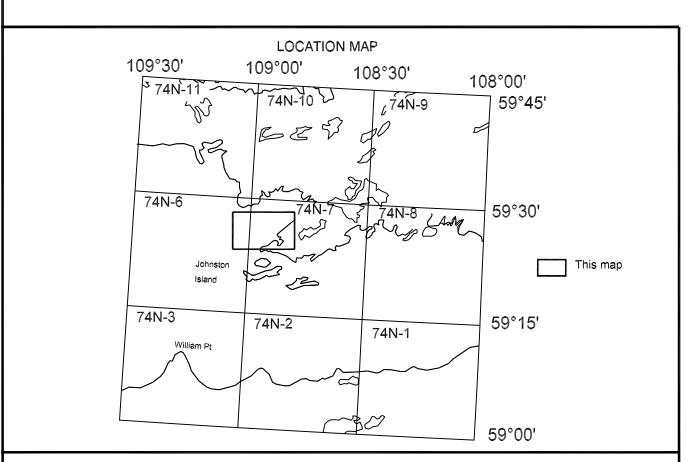
by K.E. Ashton, J. Kraus, and R. Morelli

Catalogue Number 2000 4 2 (3 1)

ATHABASCA GROUP

Manitou Falls Formation - fluviatile sandstone: commonly intraclast rich





Project M.123 of 2000, Database No. 0047

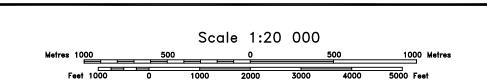
The area was mapped by K.E. Ashton (project leader), J. Kraus, R. Morelli, and R.P. Hartlaub, in the summer of 2000, with the assistance of E. Chorney, S. Ehman, D. Boivin, and A. Yanko.

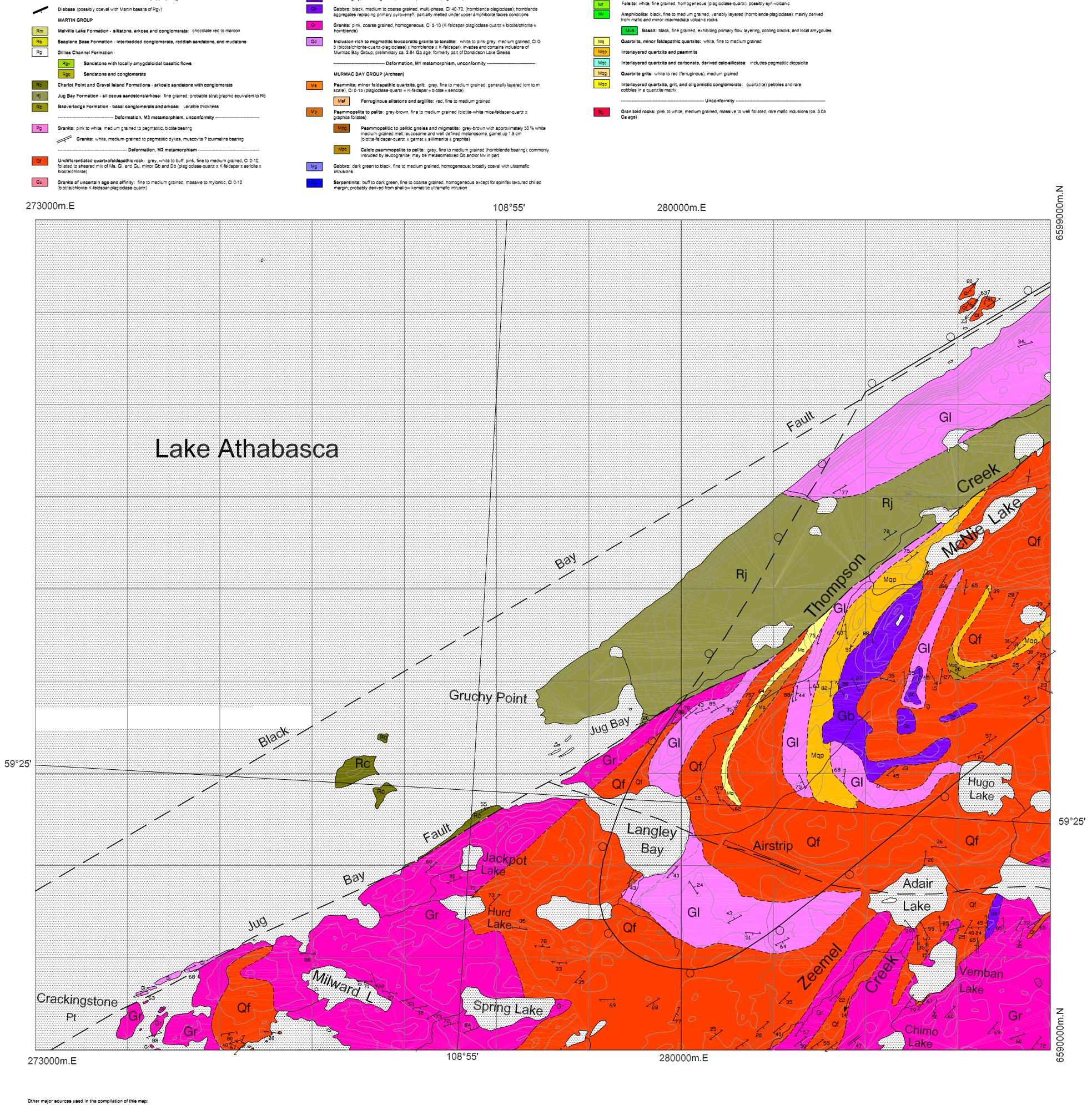
This map was printed from the geologist's digital file. Geological data were processed using Fieldlog version 3.0 provided by the Geological Survey of Canada. Base maps were compiled from 1:50 000 scale digital topographic maps licensed from Saskatchewan Land Information Services Corporation. The map was processed overall using AutoCAD Release 14 software.

The map is issued in a package with the Summary of Investigations 2000 Volume 2, Saskatchewan Geological Survey, and is available separately.

This map may be referenced as part of the following publication:
Ashton, K.E., Kraus, J., Hartlaub, R.P., and Morelli, R. (2000): Uranium City revisited: a new look at the rocks of the Beaverlodge Mining Camp; in Summary of Investigations 2000 Volume 2, Saskatchewan

Geological Survey, Sask. Energy Mines, Misc. Rep. 2000-4.2.





Mc Dolostone: buff to white or pale green, fine to medium grained (dolomite ± diopside ± actinolite); locally interlayered with quartzite

Oxide facies iron formation: (magnetite-quartz)

Leucogranite: pink, fine to medium grained, CI 0-5 (biotite/clorite-K-feldspar-quartz-plagicclase); occurs as small plutons and sheets a few metres or tens of metres thick; age relative to Gd, Gr, and Gb

Diorite: grey, medium grained, CI 30-40 (hornblende-plagioclase)

Other major sources used in the compilation of this map:

Hartlaub, R.P. (1999): New insights into the geology of the Murmac Bay Group, Rae Province, northwest Saskatchewan; in Summary of Investigations 1999, Saskatchewan Geological Survey, Sask. Energy Mines, Misc. Rep. 99-4.2, p17-26.

Macdonald, R. and Slimmon, W.L. (1985): Bedrock geology of the Greater Beaverlodge Area, NTS 74N-6 to -11; Saskatchewan Energy and Mines, Map 241A, scale 1:100 000.

Sibbald, T.I.I. (1982): Uranium metallogenic studies: Nicholson Bay area; in Summary of Investigations 1982, Saskatchewan Geological Survey, Sask. Energy Mines, Misc. Rep. 82-4, p43-45.

Sibbald, T.I.I. (1984): Gold metallogenic studies, Goldfields area; in Summary of Investigations 1984, Saskatchewan Geological Survey, Sask. Energy Mines, Misc. Rep. 84-4, p116-121.

Sibbald, T.I.I. and Lewry, J.F. (1980): Uranium metallogenic studies: Lodge Bay area, Lake Athabasca; in Summary of Investigations 1980, Saskatchewan Geological Survey, Sask. Energy Mines, Misc. Rep. 80-4, p44-48.

Thomas, D.J. (1982): Uranium metallogenic studies: Mickey Lake area; in Summary of Investigations 1982,

Saskatchewan Geological Survey, Sask. Energy Mines, Misc. Rep. 82-4, p51-55.

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