



Structural geology of the Snow Lake–Squall Lake area, Manitoba (parts of NTS 63K16, 63J13)

Legend

Post-Missi Group intrusive rocks

7 Gabbro dikes and sills

Missi Group

6 Arenite: trough crossbedded

Burntwood Group

5 Greywacke: staurolite-garnet-biotite schist; garnet-staurolite-biotite schist

Amisk Group

4 Gabbro: fine grained, equigranular; weakly foliated with granoblastic texture

3 Mafic volcanic rocks: aphyric to plagioclase-phyric pillowed basalt; massive basalt; coarse-grained basalt and finely laminated mafic sedimentary rocks

2 Mafic volcanic and volcanoclastic rocks: pyroxene- and plagioclase-pyroxene-phyric mafic tuff; monolithic to heterolithic lapilli tuff and tuff breccia; local pyroxene-phyric pillowed basalt and basalt flows; contains locally abundant pyroxenite dikes

1 Felsic volcanic and volcanoclastic rocks: amygdaloidal dacite; aphyric to K-feldspar-phyric tuff; heterolithic lapilli tuff and tuff breccia; minor quartz-phyric lapilli tuff; contains locally abundant pyroxenite dikes (Unit 2)

Symbols

Planar structures

- Bedding: tops unknown, upright, overturned
- Foliation: generation unknown, 1, 2, 3, 4
- Shear zone: sinistral
- Slicken striae

Linear structures

- Fold axis, symmetry unknown: generation 2, 3, 4:
- Fold axis, Z asymmetry: generation 1, 2, 3:
- Fold axis, S symmetry: generation 1, 2:
- Intersection lineation: generation unknown, 1, 2, 3
- L-fabric: generation 1, 2

- Approximate contact
- Fault
- Thrust fault
- F₁ synform
- F₂ synform
- F₂ antiform
- Limit of mapping
- Road
- Gravel road
- Trail
- Cut line
- Mine (past producing)
- Tower

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Includes compiled geology by Galley et al., 1988 and Schledewitz, 1997.

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This map is a provisional summary of work carried out during the summer field season and is produced directly from the geologist's manuscript. It is not to be regarded as a final interpretation of the geology of the area.

SUGGESTED REFERENCE:
Beaumont-Smith, C.J. and Gagné, S. 2008: Structural geology of the Snow Lake–Squall Lake area, Manitoba (parts of NTS 63K16, 63J13); Manitoba Science, Technology, Energy and Mines, Manitoba Geological Survey, Preliminary Map PMAP2008-1, scale 1:20 000.

REFERENCES:
Galley, A.G., Franklin, J.M. and Ames, D.E. 1988: Geological setting of gold mineralization, Snow Lake, Manitoba; Geological Survey of Canada, Open File 1700, 7 p.
Schledewitz, D.C.P. 1997: Compilation of the geology of the Squall Lake area; Manitoba Energy and Mines, Preliminary Map 1997F-2, scale 1:20 000.

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