

Bedrock geology of the northern basin of Southern Indian Lake, north-central Manitoba (parts of NTS 64G7, 8, 9, 10)

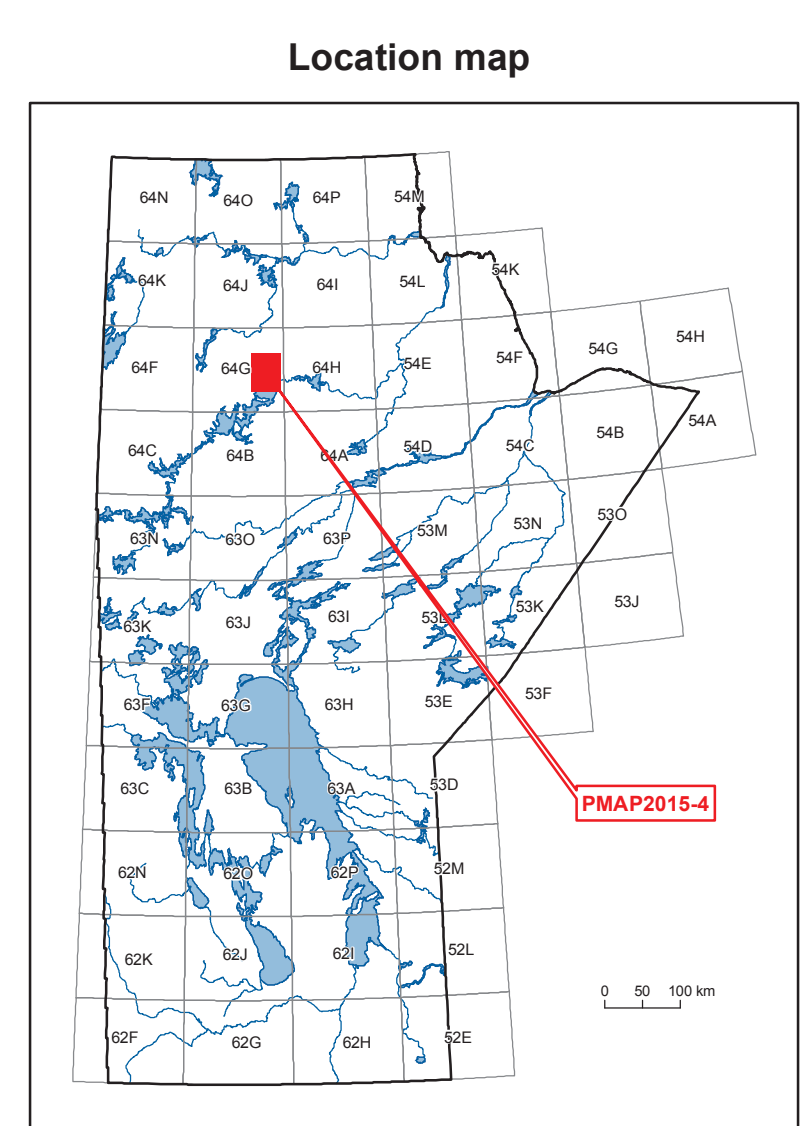
- 14 Chipewyan batholith: granite to monzogranite; medium grained groundmass; equigranular to megacrystic
- 13 K-feldspar-phryic biotite granite (granitic phase possibly related to Chipewyan batholith)
- 12 Granitic pegmatite: K-feldspar or sodic feldspar dominant; locally can bear apatite, garnet, magnetite, bornite or chalcocite
- 11 Plagioclase-phryic tonalite; biotite and hornblende-bearing; with xenoliths of older tonalite (unit 7)
- 10 Biotite granite and syenogranite: massive, pink, equigranular
- 9 Megacrystic granite: pink, non foliated; with xenoliths of older tonalite unit (unit 7)
- 8 Granodiorite-tonalite: beige to light pink, magnetic, weakly foliated
- 7 Tonalite-granodiorite: foliated, with xenoliths; biotite and hornblende-bearing
- 6 Leucodiorite to quartz diorite: medium to coarse grained; locally with cognate xenoliths
- 5 Pyroxenite: medium to coarse grained
- 4 Mafic volcanic rocks: massive; local epidote alteration and gossanous patches
- 3 Psammite to pelitic rocks
 - a psammite, grey; massive to crudely bedded local garnet-bearing
 - b pelite, foliated; with garnet and sillimanite; 10-15% leucosome
 - c polymictic clast-supported conglomerate
- 2 Mudstone to siltstone: rhythmically banded; magnetite-bearing
- 1 Paragneiss: alternating layers of quartz, feldspar and biotite/garnet is present; migmatitic

Area of no outcrop

- Symbols**
- Planar structure**
- Foliation: generation unknown, 1
 - Bedding
 - Flow contact: tops unknown
 - Gneissosity: generation 1
 - Fold axial plane: generation unknown
 - Dike
- Linear structure**
- Stretching lineation: generation 1
 - Intersection lineation: generation 1
 - Fold axis: generation unknown
 - Mineral lineation

- Mineral occurrence
- Azu - azurite
- Bn - bornite
- Cc - chalcocite
- Cp - chalcocypite
- Mlc - malachite
- Py - pyrite

- Contact: approximate
- Contact: underwater
- Domain boundary
- Limit of mapping
- Trail



Geology by: T. Martins (2015)

Cartography by: M.E. McFarlane

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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:
Martins, T. 2015. Bedrock geology of the northern basin of Southern Indian Lake, north-central Manitoba (parts of NTS 64G7, 8, 9, 10); Manitoba Mineral Resources, Manitoba Geological Survey, Preliminary Map PMAP2015-4, scale 1:50 000.



1:50 000
Coordinate System: NAD 1983 UTM Zone 14N

