



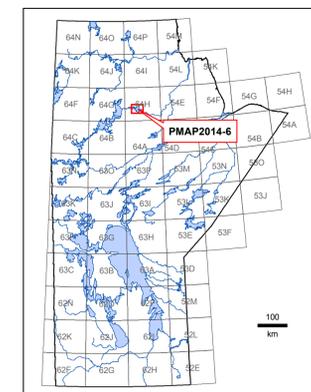
# Geology of the Northern Indian Lake area, Manitoba (parts of NTS 64H 3, 5, 6)

## Legend

- Pegmatite**
- 1i Granitic pegmatite: garnet and magnetite bearing; cuts mostly the Southern Indian domain
- Chipewyan batholith**
- 10a Granite to monzogranite: medium grained, equigranular to megacrystic
  - 10b Syenogranite: medium grained, leucocratic, equigranular, massive
- Intrusive**
- 9 Porphyritic granite: medium to coarse grained, pink, homogeneous, weakly to moderately foliated, biotite bearing
  - 8 Leucogranite: fine grained to pegmatitic, white to pink, biotite bearing
  - 7 Granite: fine grained, grey, massive; occurs as dikes in older units
  - 6 Granite to granodiorite: fine to medium grained, weakly to moderately foliated, magnetic, with disseminated sulphides, leucocratic, dominantly biotite bearing (locally contains hornblende)
  - 5 Melatonalite to quartz diorite: fine to medium grained, homogenous, weakly foliated, biotite and hornblende bearing
  - 4 Granodiorite to tonalite: medium to coarse grained, biotite-hornblende bearing, foliated, contains elongate xenoliths, locally porphyritic
  - 3 Quartz monzonite to quartz diorite: medium to coarse grained, melanocratic, porphyritic, biotite and hornblende bearing
  - 2 Gabbro: coarse grained, mesocratic, equigranular; locally includes cognate xenoliths; possibly synvolcanic
- Volcanic and sedimentary rocks (Partridge Breast Lake assemblage)**
- 1a Basalt: pillowed to massive flows, locally porphyritic and amygdaloidal, minor felsic tuff
  - 1b Volcanic conglomerate: heterolithic, massive, clast supported
  - 1c Feldspathic greywacke: massive to crudely bedded
  - 1d Psammitic and pelitic rocks: sillimanite-garnet-magnetite bearing

## Symbols

- Domain boundary
- ~ Foliation
- ~ Spaced cleavage
- ~ Gneissosity
- ~ Fold hinge
- ~ Contact
- ~ Dike
- - - Geological contact
- ... Limit of mapping



Geology by: P.D. Kremer and T. Martins (2014)

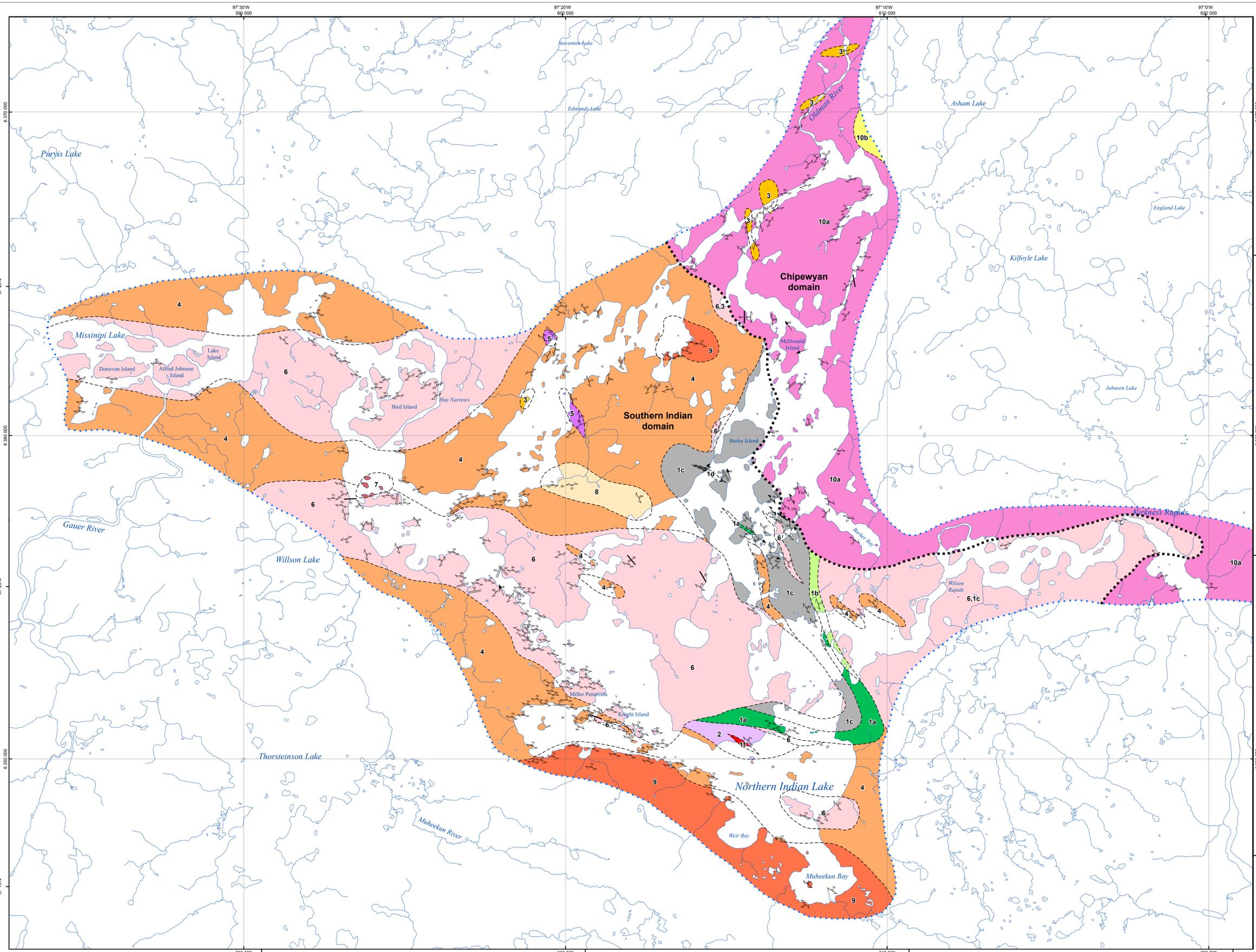
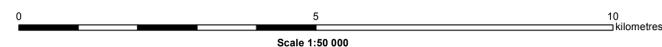
Cartography by B.K. Lenton

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

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**SUGGESTED REFERENCE:**  
Kremer, P.D. and Martins, T. 2014: Geology of the Northern Indian Lake area, Manitoba (parts of NTS 64H3, 5, 6); Manitoba Mineral Resources, Manitoba Geological Survey, Preliminary Map PMAP2014-6, scale 1:50 000.



Projection: UTM zone 14N, NAD83