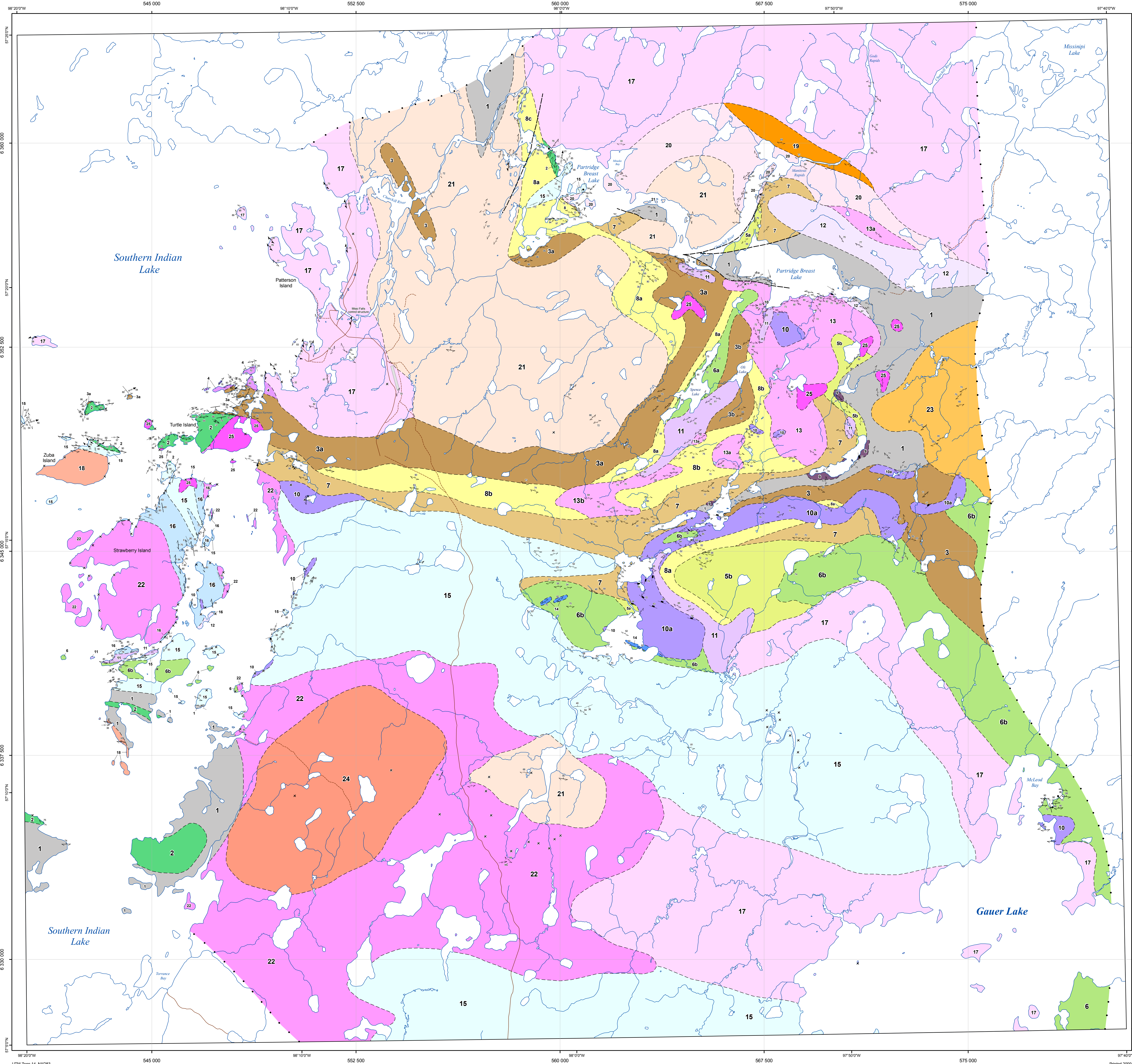




### Bedrock geology of the Partridge Breast Lake belt, Manitoba (parts of NTS 64G1, 8, 64H4, 5)



#### Legend

- 25 Pegmatite
- 24 Pegmatitic granite; locally magnetite- and chalcopyrite-bearing with rapakivi texture
- 23 Thorsteinson Lake granite
- 22 K-feldspar-megacrystic granite: pink, biotite ±hornblende-bearing
- 21 Seriate granite: coarse grained, pink, biotite-muscovite-bearing
- 20 Leucocratic granite-granodiorite; biotite-bearing
- 19 Hornblende granodiorite
- 18 Quartz monzonite; coarse grained, foliated
- 17 Tonalite-granodiorite and gneissic tonalite
- 16 Quartz and feldspathic meta-arenite; well-bedded, magnetiferous
- 15 Metaconglomerate; polymictic, clast-supported with arkosic sandstone matrix; magnetiferous
- 14 Hornblende-phyric gabbro
- 13 Tonalite-granodiorite
  - a) tonalite; grey to buff, biotite ±hornblende-bearing
  - b) tonalite-granodiorite; magnetiferous with biotite aggregates
- 12 Quartz diorite; dark grey, magnetiferous
- 11 Diorite; dark grey, hornblende-phyric ± biotite aggregates
- 10 Metagabbro
  - a) leucogabbro
- 9 Metamorphosed ultramafic dikes and sills; pyroxenite
- 8 Metasilstone and metasandstone; quartzofeldspathic to psammitic
  - a) feldspathic biotite metasandstone; weakly magnetiferous, muscovite-bearing ± sillimanite, staurolite, andalusite, garnet
  - b) hornblende-biotite metasandstone
  - c) matrix-supported metaconglomerate
- 7 Metasilstone and metasandstone; mafic lithic to feldspathic, interbedded with units 5, 6, and 8; magnetiferous ± muscovite, staurolite, andalusite and sillimanite
- 6 Mafic metavolcanic rocks; tuff and resedimented tuff, minor flows
  - a) meta-andesite
  - b) mafic tuff and epiclastic rocks; hornblende phyric
- 5 Intermediate to felsic metavolcanic rocks; tuff and resedimented tuff
  - a) metadacite
  - b) metarhyolite; quartz-phyric and quartz-feldspar-phyric
- 4 Pyroxenite to leucogabbro; layered with multiple injections
- 3 Psammitic and pelitic metagreywacke
  - a) metagreywacke and metasilstone; weakly magnetiferous ± muscovite ± sillimanite; minor sulphidic horizons
  - b) oligomictic and polymictic clast-supported metaconglomerate
- 2 Mafic volcanic flows; pillowed to massive with minor silicate and sulphide facies iron formation
- 1 Migmatitic garnet greywacke gneiss

#### Symbols

- Planar structures**
- Bedding: tops unknown, upright, overturned
  - Foliation: generation 1, 2, 3
  - Igneous layering: tops unknown, known
  - Gneissosity: generation unknown
  - Shear: generation unknown
  - Shear zone: dextral sense
  - Fault: sinistral sense
  - Fold axial plane: generation unknown, 1, 2, 3
  - Contacts
  - Faults
  - Limit of mapping
  - Outcrop, no structure
  - Road
  - Trail
  - Runway
- Linear structures**
- L-fabric: mineral lineation
  - Fold axis, symmetric: generation 2
  - Fold axis, Z symmetry: generation 2, 3
  - L-fabric: generation unknown, 2

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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:  
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