

**GEOLOGY OF THE
EDMUND LAKE AREA**

Legend

PALEOPROTEROZOIC

- 9 Diabase dykes (Molson dyke swarm)

ARCHEAN

- 8 Mafic tectonite
 - 8a Annealed mafic cataclaste and fault breccia.
 - 8b Highly schistose and laminated phylonitic mafic tectonite and mylonite.

Plutonic Rocks


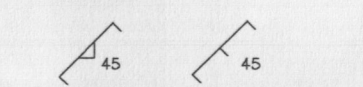

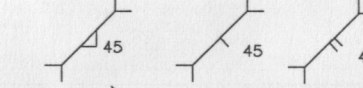


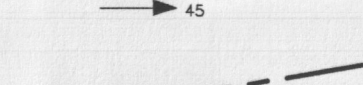
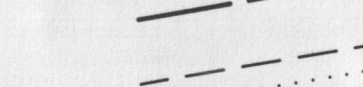


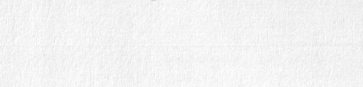
Wapawaka Granitic Complex

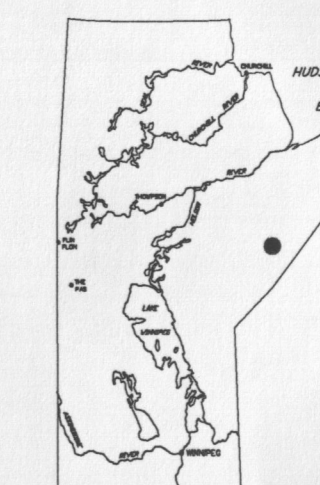
- 7 Granodiorite to granite
 - 7a Granodiorite; tan weathering, medium grained, biotite bearing, with 2 - 4 cm tabular poikilitic microcline
 - 7b Granodiorite to leucotonalite; white weathering, medium grained, biotite bearing
 - 7c Granite; pink-tan weathering, coarse grained, equigranular, biotite bearing
- 6 Tonalite to granodiorite;
 - 6a Tonalite to granodiorite; pale grey, medium- to coarse- grained, biotite bearing
 - 6b Tonalite; white weathering, medium grained, biotite bearing, plagioclase porphyritic leucotonalite
- 5 Tonalite;
 - 5a Tonalite; pale pink- to light grey-weathering, medium- to coarse-grained, biotite bearing, leucocratic tonalite, augen texture near the supracrustal belt
 - 5b Tonalite; light grey weathering, medium- to coarse-grained, hornblende tonalite
- 4 White House Tonalite
 - 4a Leucotonalite; fine grained
 - 4b Tonalite; feldspar phyrlic

Hayes River group

- 3 Layered gabbro intrusions
 - 3a Melagabbro to mesogabbro; coarse grained; rarely retains igneous layering
 - 3b Leucogabbro; coarse grained
 - 3c Pyroxenite
- 2 Gabbro: fine grained gabbro dykes and sills.
 - 2a Gabbro; fine grained, equigranular
 - 2b Gabbro; pyroxene porphyritic (pseudomorphed by hornblende)
- 1 Basalt; pillowed and massive flows
 - 1a Basalt; dark green- to green-grey fresh surface, aphyric, pillowed and massive flows
 - 1b Basalt; dark green- to green grey-fresh surface, hornblende porphyritic, massive and pillowed flows
 - 1c Basalt; pale green- to blue green-fresh surface, aphyric, pillowed and massive flows, generally spherulitic.
 - 1d Basalt; pale green- to blue-green fresh surface, plagioclase phyrlic, pillowed and massive flows - rarely with mafic aggregates of amphibole.

Symbols

-  Pillows (tops known, tops overturned, tops unknown)
-  Foliation (generation: unknown, first)
-  Foliation and metamorphic layering parallel
-  Spaced cleavage (generation: unknown, first, second)
-  Fault (sense unknown)
-  Shear zone (sense: unknown, dextral)
-  Lineation (generation unknown)
-  Fault
-  Contact (approximate, under water)
-  Shear zone (approximate)
-  Limit of mapping



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

