

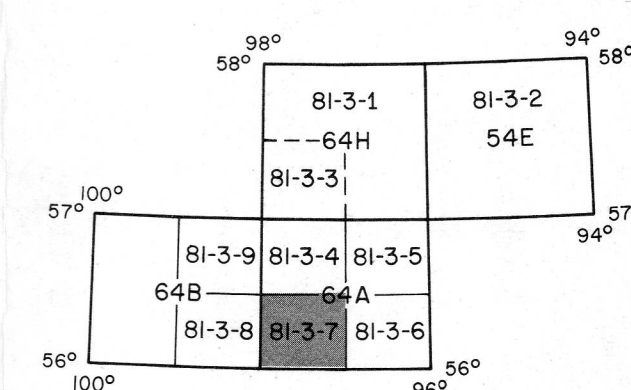
Legend

- PHANEROZOIC
Paleozoic
Precambrian
Archean (Churchill Province)
- Intrusive Rocks
- 23 Mafic and ultramafic dykes
 - 22 Felsic pegmatites of various ages
 - 21 Grey granite; fine to medium grained magnetiferous biotite granite
 - 20 Leucocratic granite; medium grained homogeneous buff biotite granite
 - 19 Leucogranite, schlieric granite; anatectic granite with numerous inclusions of gneisses
 - 18 Megacrystic granite and syenogranite; 18a megacrystic quartz syenite
 - 17 Granodiorite to granite
 - 16 Granodiorite; hornblende or hornblende and biotite-bearing; locally gneissic
 - 15 Tonalite and granodiorite; locally gneissic; 15a garnetiferous tonalite; 15b quartz-poor hornblende tonalite to granodiorite; 15c gneissic magnetiferous leucocratic tonalite to granodiorite
 - 14 Tonalite, gneissic tonalite; hornblende or hornblende-biotite-bearing
 - 13 Metagabbro, metadiorite; 13a gabbro pegmatite
 - 12 Quartz diorite, gabbro; 12a leucotonalite and associated intrusion breccia
- Metasedimentary and Metavolcanic Rocks
- 11 Arkosic gneisses; 11a polyimictic metaconglomerate with a pelitic matrix and minor pelitic beds; muscovite-potassium feldspar-magnetite-sillimanite-bearing; 11b polyimictic metaconglomerate with a psammite matrix interlayered with crossbedded psammite; magnetiferous; 11c quartzose meta-arenite, quartzite; 11d psammite and pelitic metagreywacke; hornblende-magnetite-bearing; locally contains polyimictic metaconglomerate beds; 11e magnetiferous feldspathic metagreywacke; locally pebbly; 11f meta-arkose, sillimanite-bearing; locally quartz-rich pebbly meta-arkose, minor conglomerate
 - 10 Amphibolite; 10a layered hornblende-dioctide granofels; minor metagreywacke beds; 10b massive amphibolite; salt-and-pepper textured amphibolite with sporadic quartzite and metagreywacke beds; 10c massive clotted mesocratic amphibolite; 10d meta-volcanic rocks; basalt, pillow basalt, intermediate metavolcanic rocks (Assean Lake)
 - 9 Metasedimentary and metavolcanic rocks; 9a pelitic to psammite metagreywacke; magnetite-sillimanite-bearing; contains sporadic conglomerate beds; 9b metabasalt; massive basalt, basaltic breccia, basaltic tuff; 9c intermediate metavolcanic rocks; 9d massive amphibolite, layered hornblende-dioctide gneiss derived from mafic metavolcanic rocks (9b); 9e intermediate to acid tuff; 9f quartzite; 9g garnetiferous metagreywacke, graphitic
 - 8 Metagreywacke; 8a metatectic greywacke gneiss; interlayered psammite and pelitic metagreywacke; garnet-biotite-graphite-bearing; 8b diatectic biotite-garnet gneiss; 8c staurolite-bearing metagreywacke
- Mixed Archean and Archean Rocks
- 7 Mylonites (Assean Lake); derived from rocks of both the Churchill and Superior Provinces
- Archean (Superior Province)
- 6 Multicomponent migmatite; tonalitic to granodioritic gneiss with numerous amphibolite layers
 - 5 Granite
 - 4 Mafic dykes; 4a ultramafic; 4b gabbroic
 - 3 Gneisses of Kenoran age (units 1 and 2) reworked during the Hudsonian event
 - 2 Clotted granodiorite; hornblende-bearing
 - 1 Amphibolites (massive and compositionally layered) and associated tonalitic gneisses of Kenoran age
- Units not occurring on this map.

Symbols

- bedding (tops unknown)
- metamorphic layering (inclined, vertical)
- foliation (inclined, vertical, horizontal)
- foliation and parallel metamorphic layering (inclined, vertical)
- cataclastic foliation
- minor fold axis with symmetry
- mineral lineation
- geological boundary (approximate, assumed, extrapolated using aeromagnetic trends)
- approximate position of the Churchill-Superior boundary (Assean Lake to Strong Lake)
- fault
- limit of outcrop
- isolated bedrock exposure
- massive sulphide

Geology by: M.T. Corkery and P.G. Lenton (1980)



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.

