

LEGEND

PRECAMBRIAN

Post-Sickle Intrusive Rocks

- 19 Diabase
- 13 Pegmatite and aplite
- 17c Pink "quartz-eye" granite; quartz monzonite
- 17b Quartz monzonite
- 17a Porphyritic quartz monzonite
- 16 Nebulitic tonalite and granodiorite with inclusions of 10, 11 and 2a
- 15c Pink granite and quartz monzonite; minor alkali
- 15b Coarse-grained gneissic granodiorite and quartz diorite
- 15a Biotite-hornblende granodiorite with dioritic to quartz dioritic contact phases; minor quartz monzonite
- 14c Quartz monzonite; granite
- 14b Granodiorite
- 14a Biotite-hornblende tonalite and diorite
- 13 Hornblende and associated amphibole-plagioclase gneiss
- Foliated magnetiferous quartz diorite
- 11d Gneissic hornblende granodiorite to quartz diorite
- 11c Magnetite-biotite granodiorite
- 11b Diorite; associated quartz diorite and granodiorite
- 11a Quartz diorite; leuco-quartz diorite

Opachuanau Gneisses

- 10c Migmatite derived from 10a and 10b
- 10b Hornblende-biotite intermediate gneiss with amphibole-plagioclase gneiss and amphibolite
- 10a Biotite-hornblende intermediate gneiss

Sickle Group

- 9 Biotite-muscovite-quartz schist
- 8c Arkose-derived gneisses and migmatite
- 8b Impure arkose; minor quartzite
- 8a Arkose conglomerate; minor arkose

Pre-Sickle Intrusive Rocks

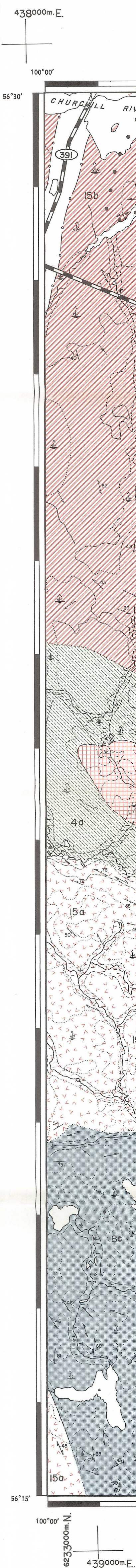
- 7c Diorite; quartz diorite
- 7b Hornblende gabbro; hornblende; minor diorite and quartz diorite
- 7a Ultramafic amphibolite and associated olivine-bearing rocks

Wasekwan Group

- 6 Sulphide zones
- 5b Porphyritic meta-basalt and meta-andesite
- 5a Meta-basalt; meta-andesite
- 4d Plagioclase paragneiss
- 4c Meta-arkose; feldspathic quartzite; minor arkose conglomerate
- 4b Greywacke conglomerate
- 4a Acid and intermediate pyroclastic rocks; metamorphosed volcanoclastic rocks; meta-argillite; amphibolite
- 3b Dacite; minor rhyolite and rhyodacite; acid tuff; agglomerate; volcanic breccia
- 3a Fragmental volcanic rocks and associated amphibole gneiss
- 2d Banded amphibole-plagioclase and biotite-tremolite-garnet gneisses
- 2c Porphyritic meta-basalt, meta-andesite and meta-picrite
- 2b Meta-basalt; meta-andesite; meta-picrite; includes minor amounts of 3b and 4a
- 2a Amphibolite; amphibole-plagioclase gneiss
- 1 Pelitic biotite gneiss

SYMBOLS

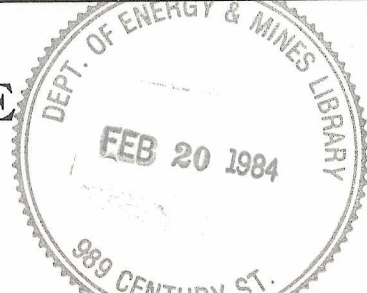
- Area of outcrop
- Small outcrop
- Geological boundary (approximate, assumed, underwater)
- Geological boundary, gradational
- Bedding, tops unknown (inclined, vertical)
- Pillow lava (tops known)
- Inclusion layers (inclined, vertical)
- Gneissosity (inclined, vertical, dip unknown)
- Schistosity (inclined, vertical, dip unknown)
- Cataclastic foliation (inclined, vertical, dip unknown)
- Fracture cleavage, strain slip cleavage (inclined, vertical)
- Minor folds:
- axis (inclined)
- axial plane (inclined, vertical)
- symmetry (asymmetrical Z-shaped, asymmetrical S-shaped, symmetrical)
- Linear structures:
- Mineral lineation (inclined)
- S-intersections (inclined)
- Microcrenulations (inclined)
- Rodding, mullion structure (inclined)
- Metamorphic aggregates (inclined)
- Joints (inclined, vertical)
- Fault (approximate)
- Mineral occurrence:
- sulphides
- pyrite
- pyrrhotite
- Glacial striae (direction of movement known)
- Esker
- Reef
- Mine
- Axial trace of anticline
- Axial trace of syncline
- Swamp (open, trees)
- Boundary of map-area
- Road



Manitoba  
Department of Mines, Resources  
and Environmental Management  
MINES BRANCH



Map 71-2-6  
PEMICHIGAMAU LAKE  
THE PAS MINING DISTRICT



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