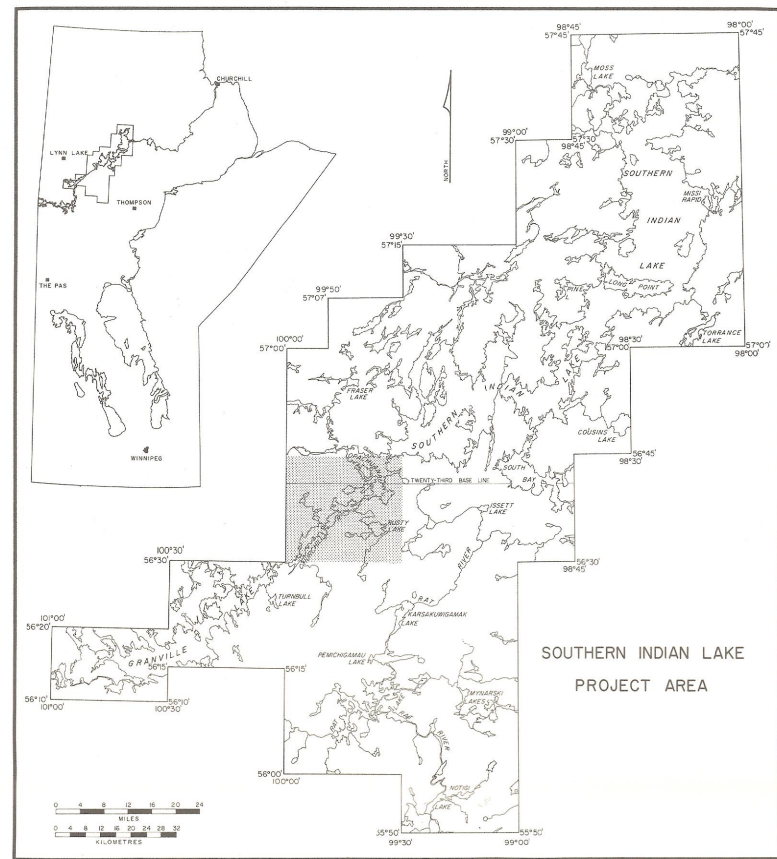


INDEX MAP



The corresponding sheet of the
National Topographic Series is 648-12.

Geology by
M. A. STEEVES
(south of 23rd Base Line)
and
R. W. HINDS
(north of 23rd Base Line)

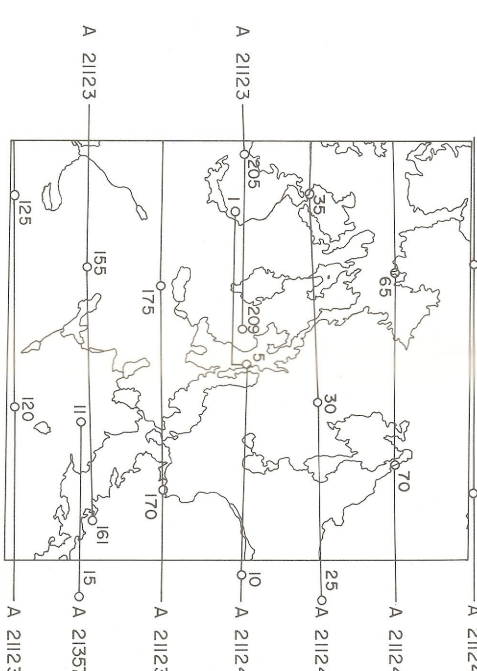
1969, 1970

Cartography by the Draughting Section
Manitoba Mines Branch

To accompany Publications 71-2F and 71-2G

The magnetic declination at the centre of the area is approximately 12° 52'E
(1971) and is decreasing 7' annually.

INDEX TO AERIAL PHOTOGRAPHS



PRECAMBRIAN

Post-Sickle Intrusive Rocks

- 19 Diabase
- 16 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 16, 11 and 2a
- 15c Pink granite and quartz monzonite; minor alaskite
- 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
- 12 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

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
- 3d 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-pelite
- 2b Meta-basalt; meta-andesite; meta-pelite; includes minor amounts of 3b and 4a
- 2a Amphibolite; amphibole-plagioclase gneiss
- 1 Pelitic biotite gneiss

SYMBOLS

- Area of outcrop
- Small outcrop
- Geological boundary (defined, approximate, assumed, underwater)
- Bedding, tops known (inclined)
- Schistosity (inclined, vertical, dip unknown)
- Gneissosity (inclined, vertical, dip unknown)
- Axis of minor fold (asymmetric S-fold)
- Mineral lineation (horizontal, inclined)
- Joints (inclined, vertical)
- Axial trace of anticline
- Axial trace of syncline
- Mineral occurrence:
 - pyrite
 - pyrrhotite
 - chalcocite
 - galena
- Glacial striae (direction of movement known, unknown)
- Reef
- Swamp
- Boundary of map-area
- Provincial Road 391

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

