Manitoba
Department of Mines, Resources
and Environmental Management
MINES BRANCH

438000m.E. 6235000m.N. 100°00'

469000m.E. 6235000m.N. 99°30'

56°15'

56°00'

RAT LAKE

THE PAS MINING DISTRICT

Map 71-2-2

Scale 1:50,000

MILES 1 0 2 3 MILES

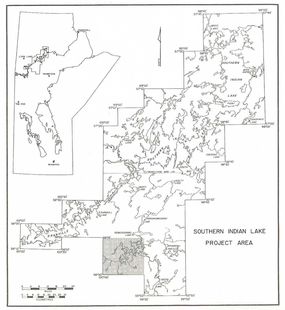
METRES 1000 500 0 1000 2000 3000 4000 METRES

YARDS 1000 500 0 1000 2000 3000 4000 YARDS

438000m.E. 6205000m.N.

468000m.E. 6205000m.N.

INDEX MAP



The corresponding sheet of the National Topographic Series is 64B-4.

Geology by

D. C. P. SCHLEDEWITZ

1969, 1970

Cartography by the Draughting Section
Manitoba Mines Branch

To accompany Publication 71-2B

The magnetic declination at the centre of the area is approximately 13°00'E (1971).

INDEX TO AERIAL PHOTOGRAPHS

LEGEND

PRECAMBRIAN
Intrusive Rocks

- 19 — *Diabase (slightly metamorphosed)*
- 18 — Microcline pegmatite
- 17 — Microcline granite
- 16b — *Granodiorite*
- 16a — Quartz monzonite to granodiorite
- 15 — Hornblende syenite
- 14c — Altered ultramafic rock
- 14b — Meta-gabbro
- 14a — Olivine gabbro; hornblende gabbro
- 13 — Pyroxene diorite
- 12 — Tonalite
- 11 — White pegmatitic granodiorite
- 10 — Magnetiferous quartz diorite
- 9 — Meta-quartz diorite

Sickle Group

- 8 — Quartzo-feldspathic biotite (hornblende) gneiss
- 7 — *Hornblende-diopside gneiss*
- 6 — Hornblende-biotite-magnetite gneiss
- 5b,c — Biotite-magnetite gneiss
- 5a — Weakly magnetiferous quartzo-feldspathic gneiss

Gneisses of Unknown Affinity

- 4 — Cordierite-sillimanite-anthophyllite-biotite gneiss
- 3a,b — Quartzo-feldspathic gneiss and migmatite

Wasekwan and/or Sickle Group

- 2e — *Hypersthene-garnet-hornblende gneiss and associated cordierite gneiss*
- 2d — *Gneissic meta-diorite*
- 2c — Hornblende-biotite-magnetite gneiss
- 2b — Amphibolite (with thin calc-silicate and/or carbonate layers)
- 2a — Amphibolite

Wasekwan Group

- 1 — Pelitic gneiss

KEY

- 8 — Paragneisses and anatectic derivatives
- 10 — Possible orthogneisses
- 16a — Orthogneisses and intrusive rocks

SYMBOLS

- Area of outcrop
- Small outcrop
- Geological boundary (defined, approximate, assumed, underwater)
- Geological boundary, gradational
- Bedding, tops known (inclined)
- Metamorphic layering, *lit-par-lit* (inclined, vertical)
- Inclusion layers (inclined, vertical, dip unknown)
- Gneissosity (inclined, vertical, dip unknown)
- Schistosity (inclined, vertical, dip unknown)
- Cataclastic foliation (inclined, vertical)
- Fracture cleavage, strain slip cleavage (inclined, vertical, dip unknown)
- Foliation in inclusions (inclined)
- Joints (inclined, vertical)
- Fault (approximate, assumed)
- Mineral occurrence:
  - mo — molybdenite
  - po — pyrrhotite
  - cp — chalcopyrite
  - sp — sphalerite
- Esker
- Reef
- Swamp (open, treed)
- Boundary of map-area