

INDEX MAP

LEGEND

PRECAMBRIAN

Post-Sickle Intrusive Rocks

19 Diabase

16 Pegmatite and aplite

17 c Pink "quartz-eye" granite; quartz monzonite

17 b Quartz monzonite

17 a Porphyritic quartz monzonite

16 Nebulitic tonalite and granodiorite with inclusions of 10, 11 and 2a

15 c Pink granite and quartz monzonite; minor skaskite

15 b Coarse-grained gneissic granodiorite and quartz diorite

15 a Biotite-hornblende granodiorite with diorite to quartz diorite contact phases; minor quartz monzonite

14 c Quartz monzonite; granite

14 b Granodiorite

14 a Biotite-hornblende tonalite and diorite

13 Hornblende and associated amphibole-plagioclase gneiss

12 Foliated magnetiferous quartz diorite

11 d Gneissic hornblende granodiorite to quartz diorite

11 c Magnetite-biotite granodiorite

11 b Diorite; associated quartz diorite and granodiorite

11 a Quartz diorite; leuco-quartz diorite

Opachuanau Gneisses

10 c Migmatite derived from 10a and 10b

10 b Hornblende-biotite intermediate gneiss with amphibole-plagioclase gneiss and amphibolite

10 a Biotite-hornblende intermediate gneiss

Sickle Group

9 Biotite-muscovite-quartz schist

8 c Arkose-derived gneisses and migmatite

8 b Impure arkose; minor quartzite

8 a Arkose conglomerate; minor arkose

Pre-Sickle Intrusive Rocks

7 c Diorite; quartz diorite

7 b Hornblende gabbro; hornblende; minor diorite and quartz diorite

7 a Ultramafic amphibolite and associated olivine-bearing rocks

Wasekwan Group

6 Sulphide zones

5 b Porphyritic meta-basalt and meta-andesite

5 a Meta-basalt; meta-andesite

4 d Plagioclase paragneiss

4 c Meta-arkose; feldspathic quartzite; minor arkose conglomerate

4 b Greywacke conglomerate

4 a Acid and intermediate pyroclastic rocks; metamorphosed volcanoclastic rocks; meta-siltite; amphibolite

3 b Dacite; minor rhyolite and rhyodacite; acid tuff; agglomerate; volcanic breccia

3 a Fragmental volcanic rocks and associated amphibole gneiss

2 d Banded amphibole-plagioclase and biotite-tremolite-garnet gneisses

2 c Porphyritic meta-basalt, meta-andesite and meta-siltite

2 b Meta-basalt; meta-andesite; meta-siltite; includes minor amounts of 3b and 4a

2 a Amphibolite; amphibole-plagioclase gneiss

1 Pelitic biotite gneiss

SYMBOLS

Area of outcrop

Small outcrop

Geological boundary (approximate, assumed, underwater)

Geological boundary, gradational

Bedding, tops known (inclined)

Bedding, tops unknown (inclined, vertical)

Metamorphic layering, *lit-par-lit* (inclined)

Pillow lava (tops known)

Gneissosity (inclined, vertical, dip unknown)

Schistosity (inclined, vertical, dip unknown)

Cataclastic foliation (inclined)

Joints (inclined, vertical)

Fault (defined, approximate, assumed)

Mineral occurrence:

py pyrite

po pyrrhotite

cp chalcopyrite

Area of magnetic disturbance

Glacial striae (direction of movement known, unknown)

Reef

Esker

Swamp

Boundary of map-area

Geology by

C. F. LAMB, M. A. STEEVES,
and D. C. P. SCHLEDEWITZ

1969, 1970

and

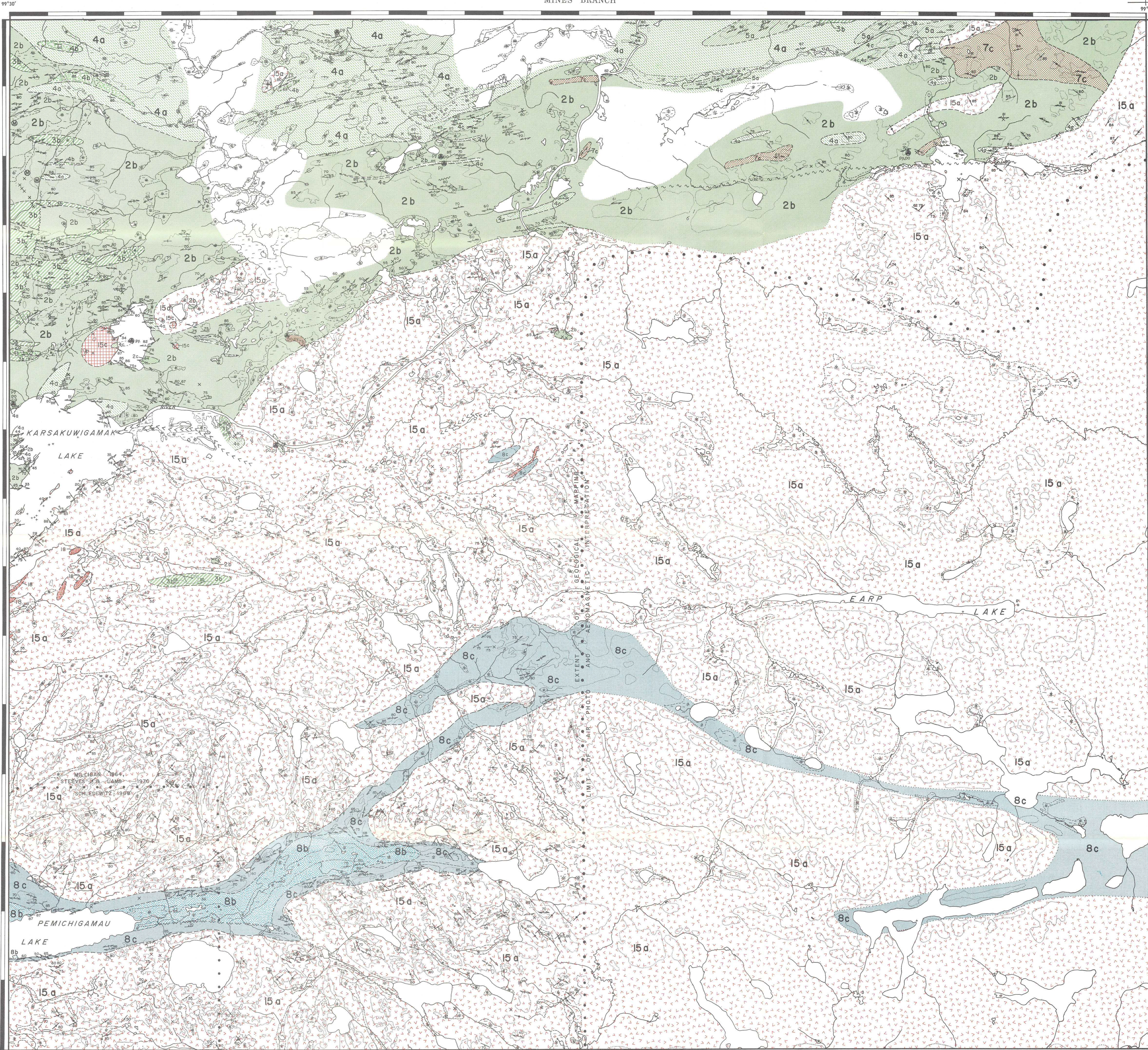
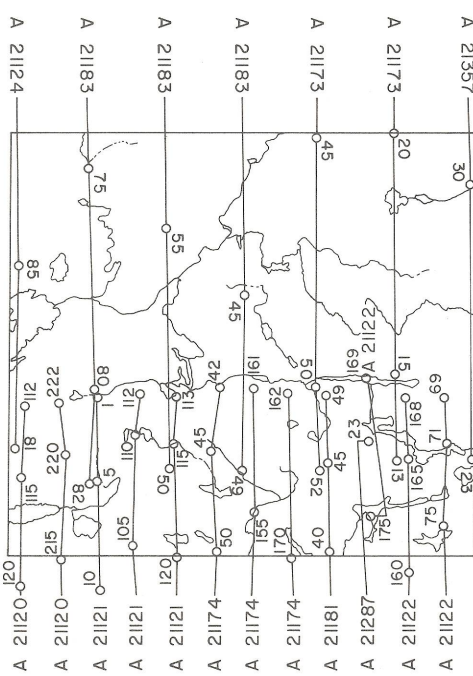
G. C. MILLIGAN, 1964

Cartography by the Draughting Section
Manitoba Mines Branch

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

The magnetic declination at the centre of the area is approximately 12°18' E. (1971)
and is increasing by 0.3° annually.

INDEX TO AERIAL PHOTOGRAPHS

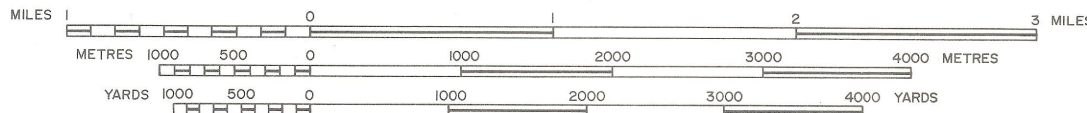


56°15'N

99°30'W

469000m.E

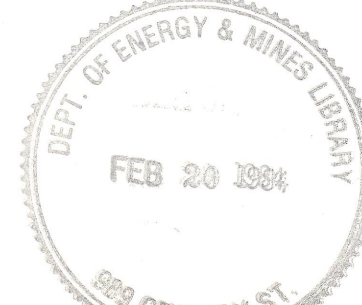
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Map 71-2-7

EARP LAKE

THE PAS MINING DISTRICT



56°15'N

99°30'W

500000m.E

CAR
MEA
MRD
yr
71-2F
c.1