

The corresponding sheet of the National Topographic Series is 64B-5.

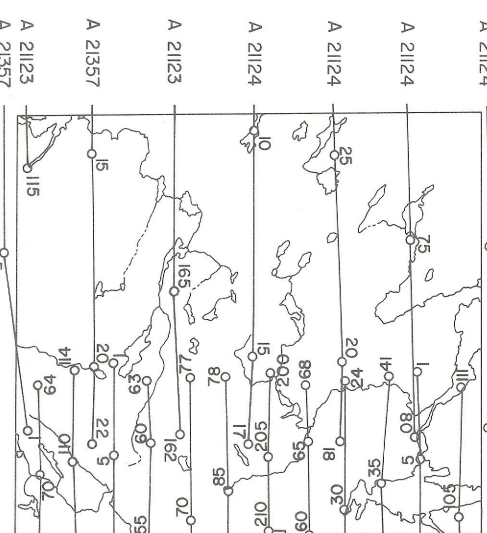
Geology by
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1969, 1970

Cartography by the Draughting Section
Manitoba Mines Branch

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

The magnetic declination at the centre of the area is approximately 13°06' E. (1971) and is increasing by 0.1° annually.

INDEX TO AERIAL PHOTOGRAPHS



PRECAMBRIAN Post-Sickle Intrusive Rocks	
19	Diabase
18	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 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
	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

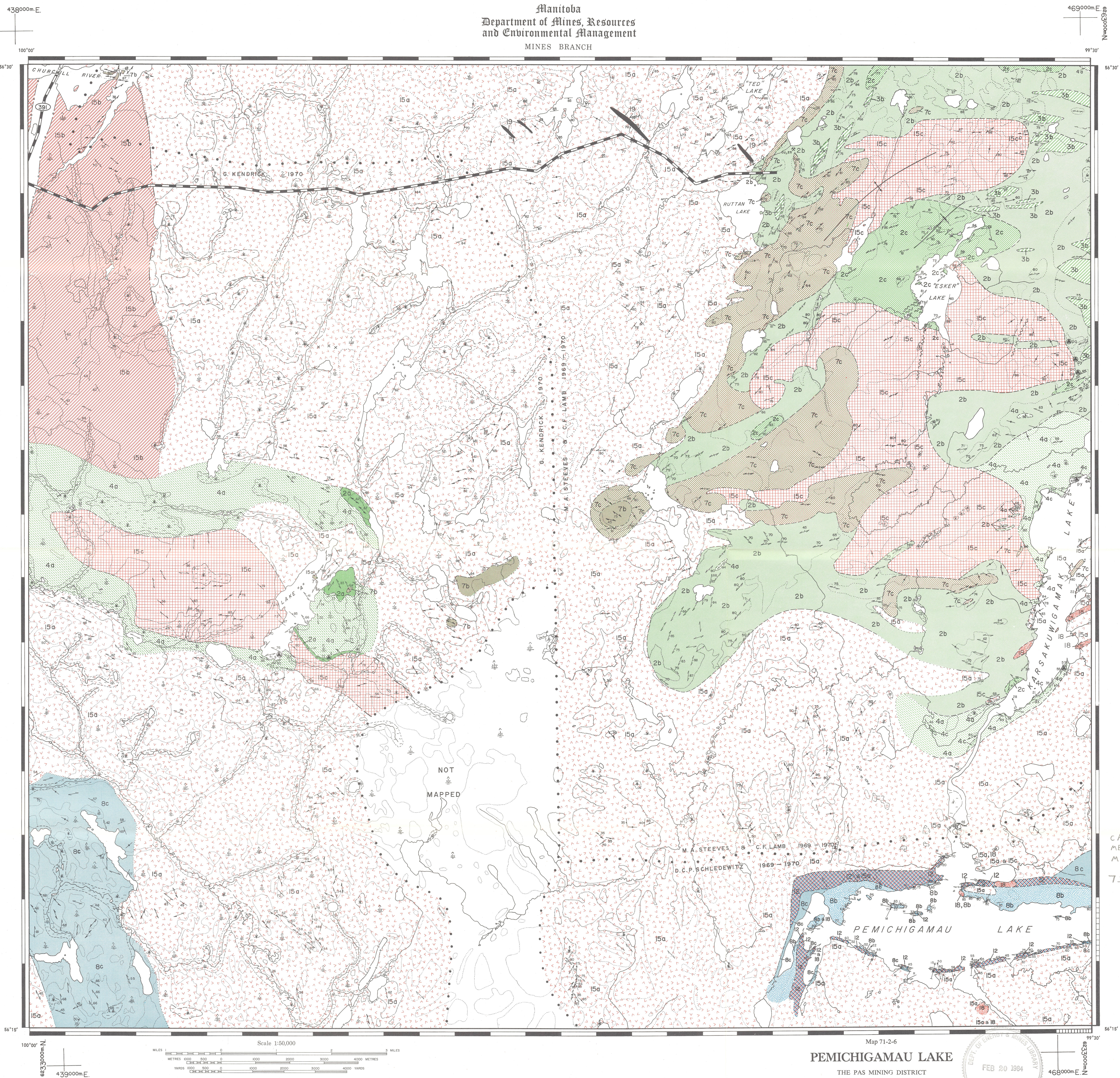
7c	Diorite; quartz diorite
7b	Hornblende gabbro; hornblende; minor diorite and quartz diorite
7a	Ultramafic amphibolite and associated olivine-bearing rocks

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



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

