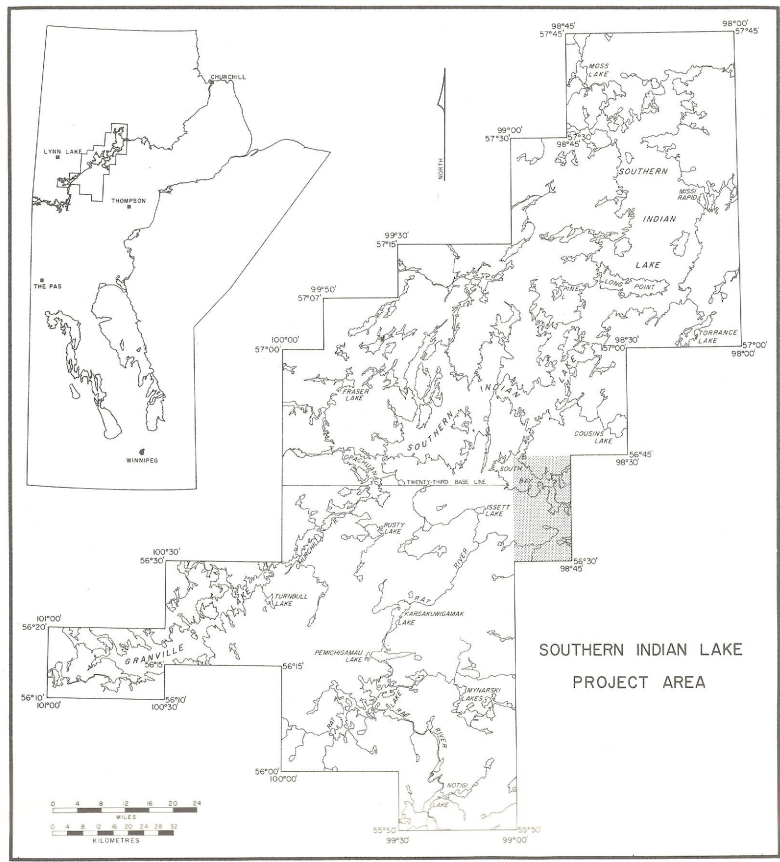


INDEX MAP



The corresponding sheet of the National Topographic Series is 64B-10W.

Geology by

M. A. STEEVES, C. F. LAMB and T. G. FROHLINGER

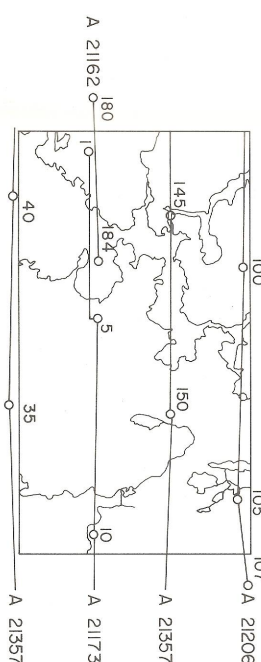
1969, 1970

Cartography by the Draughting Section
Manitoba Mines Branch

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

The magnetic declination at the centre of the area is approximately 11°49' E. (1971)
and is increasing by 0.5' annually.

INDEX TO AERIAL PHOTOGRAPHS



LEGEND

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 |
| 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 |

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 |

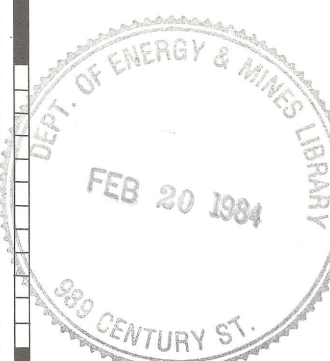
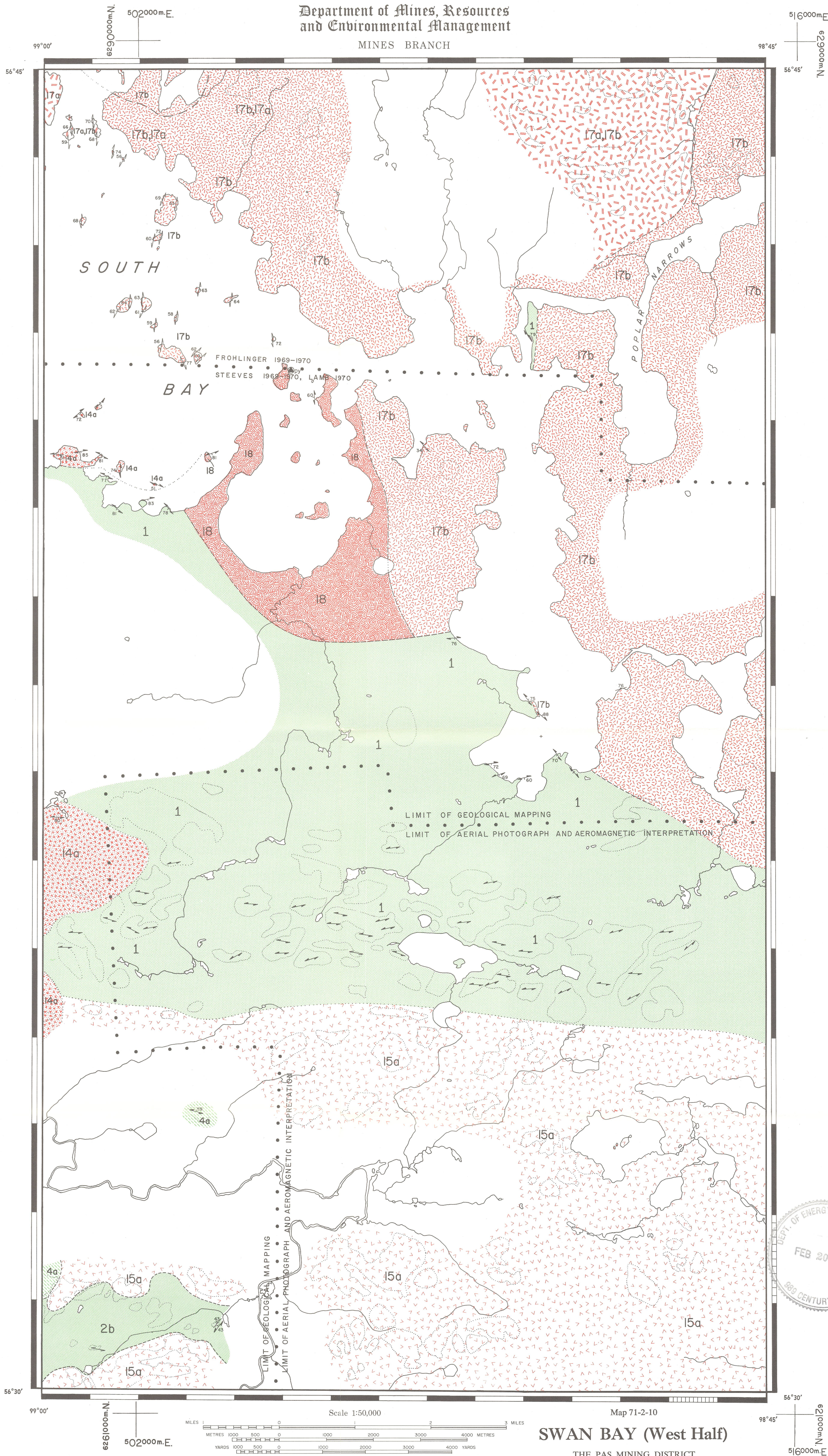
Wasekwan Group

- | | |
|----|--|
| 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 |
| | Geological boundary (approximate, assumed, underwater) |
| | Geological boundary, gradational |
| | Bedding, tops unknown (inclined) |
| | Gneissosity (inclined, vertical, dip unknown) |
| | Schistosity (inclined, dip unknown) |
| | Gneissosity in inclusions (inclined) |
| | Mineral occurrence: pyrite |
| | Reef |
| | Boundary of map-area |

Manitoba Department of Mines, Resources and Environmental Management MINES BRANCH



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71-2F c.