

Map
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MRD
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61-5
c.1

Manitoba
Department of Mines and Natural Resources
MINES BRANCH

LEGEND

PRECAMBRIAN

Post Sickle Intrusive and Related Rocks (not necessarily in chronological order).

- 22 Pegmatite
- 2 Complex of plagioclase-quartz-biotite schist, derived from Sickle arenite (map unit 5), with pegmatite.
- 20 Granodiorite to quartz monzonite—"Granite zone"
- 19 Diorite, minor quartz diorite—"Transition zone"
- 18 Gabbro, minor quartz gabbro—"Gabbro zone"
- 17 Pegmatite with remnant inclusions of Sickle meta-arenites
- 16 Migmatitic lit-par-lit gneiss
- 15 Grey granodiorite
- 14 Mixed rocks
- (14a) Mixed Wasekwan sedimentary and volcanic rocks, hornblende syenodiorite and pink granodiorite
- (14b) Mixed Wasekwan sediments, hornblende syenodiorite and pink granodiorite
- (14c) Mixed Wasekwan sedimentary and volcanic rocks, iron formation, Sickle arenites, Black Trout diorite, hornblende syenodiorite and pink granodiorite
- 13 Pink granodiorite to quartz monzonite
- 12 Porphyritic quartz monzonite to porphyritic granodiorite
- 11 Hornblende syenodiorite
- 10 Black Trout diorite—diorite to quartz diorite

Sickle Series

- 9 Venites formed by partial anatexis of Sickle arenites (derived from map unit 5)
- 8 Strongly recrystallized Sickle arenites with common muscovite-quartz-sillimanite knots (derived from map unit 5)
- 7 Meta-arkose, granitoid meta-arkose, granite, minor quartz grit
- 6 Intermediate to mafic lavas, volcanic breccia, and tuffaceous rocks. Minor derived plagioclase amphibolite
- 5 Sickle arenites—impure arkose to feldspathic greywacke and metamorphic equivalents
- 4 Conglomerate

Wasekwan Series

- 3 Intermediate to mafic lavas and derived plagioclase amphibolites, minor interbedded sediments and minor amygdaloidal flows (interbedded with map unit 1a)
- 2 Conglomerate (interbedded with map unit 1a)
- 1 (1a) Greywacke, subgreywacke, arkose, subarkose and metamorphic equivalents; minor iron formation and minor interbedded volcanic rocks
- (1b) Feldspathic greywacke and metamorphic equivalents

SYMBOLS

- Area of rock exposure
- Small isolated rock exposure
- Geological boundary (defined, approximate, assumed)
- Geological boundary—gradational (in Granville Lake gabbro only)
- Bedding, tops unknown (inclined, vertical, dip unknown)
- Bedding, top shown by arrow (inclined, dip unknown, vertical, overturned)
- Foliation (inclined, vertical, dip unknown)
- Linear structural feature (plunge shown by arrow)
- Structural lineation in bedding plane (dip of bedding 80°, plunge of lineation 55°)
- Small scale fold (plunge shown by arrow)
- Small scale fold (showing strike and dip of axial plane and strike and plunge of axis)
- Fold axis (anticline)
- Fold axis (syncline)
- Fold axis type unknown
- Fault (with dip, with dip and plunge of lineation)
- Fault (assumed)
- Mineral occurrence referred to in report
- Location of K-argon age date
- Glacial striae
- Swamp, muskeg
- Rapids, portage (23 chains)
- Building
- Reef
- Centre of aerial photograph

Geology by

D. A. CRANSTONE

To accompany Publication 61-5

Magnetic declination (1962) is approximately 14°00', decreasing 1.5 minutes annually

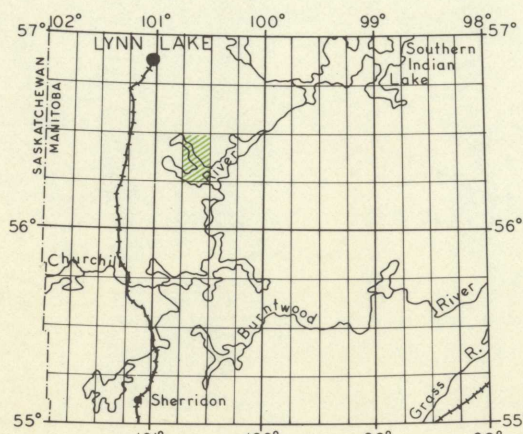
Aerial photographs numbered:

A10945: 61-65, 110-112, 128-132, 181-184

A11064: 101-102

A11082: 292-296

provide coverage of the area and are available from the National Air Photo Library, Ottawa

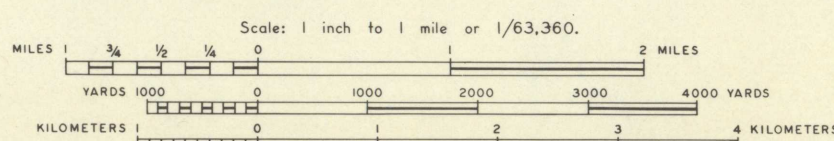


INDEX MAP
The corresponding sheet of the National Topographic Series is 64C/7 (east half).



Map 61-5

WATT LAKE AREA (East Half)
THE PAS MINING DISTRICT



REF. or DRAWING No. 61-5
DETAILS WATT LAKE (E)

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