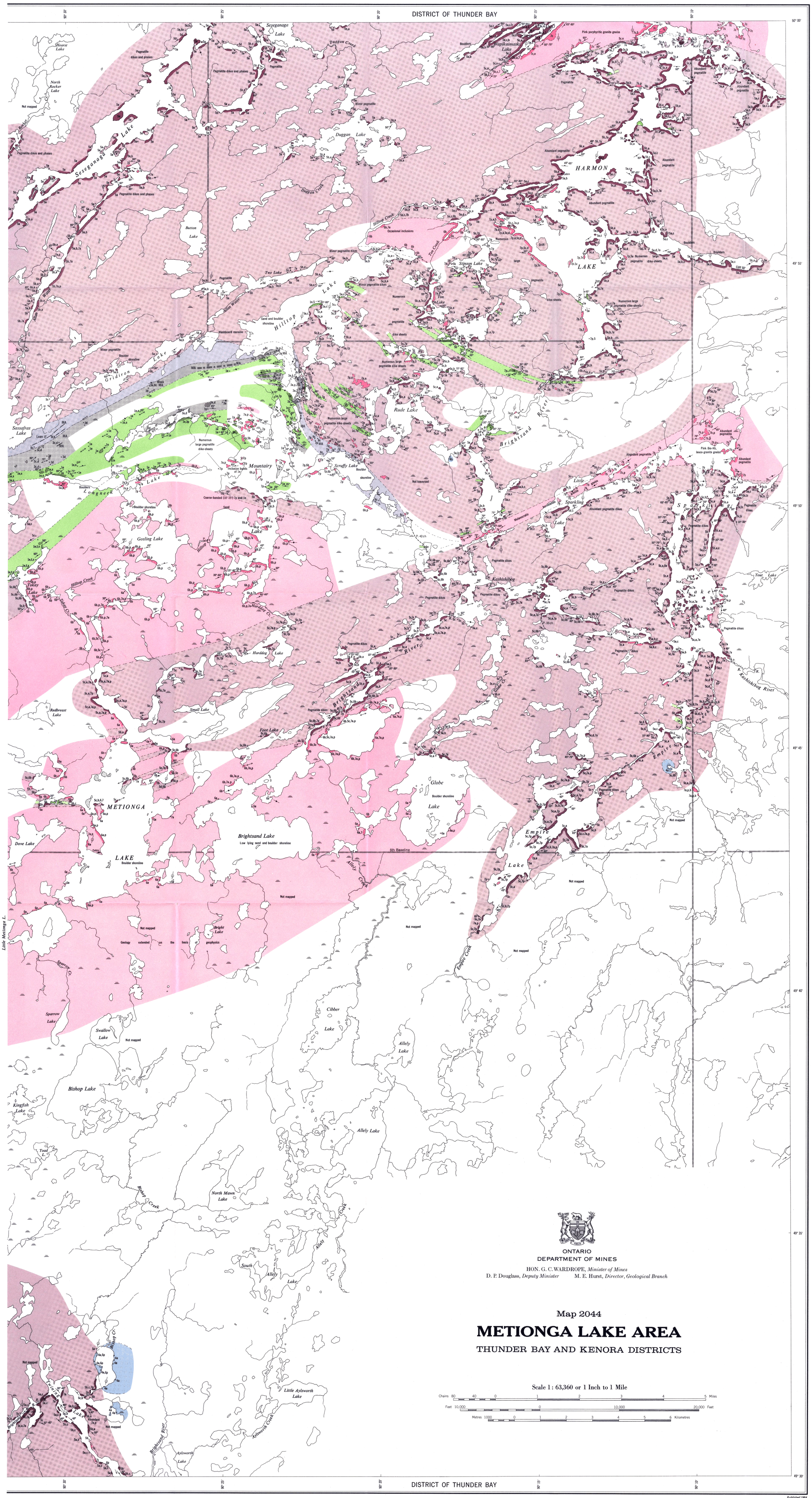
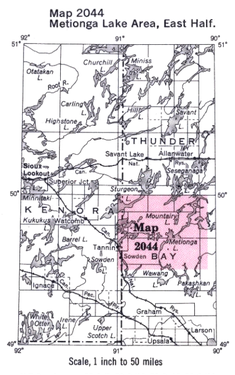


Map 2044
Metionga Lake Area, East Half.



Scale, 1 inch to 50 miles

N.T.S. reference 52 G/9, 52 G/10, 52 G/15, 52 G/16

LEGEND

CENOZOIC*

RECENT AND PLEISTOCENE

Peat, muck.
Glacial drift: boulders, gravel, sand, till.

GREAT UNCONFORMITY

PRECAMBRIAN**

LATE BASIC INTRUSIVE ROCKS

9 — *9 Porphyritic diabase.*

PLUTONIC ROCKS

SYENITIC ROCKS

8 — *8a Scapolite-augite syenite, (Sturgeon Lake alkaline complex).*
8b Pink porphyritic biotite-hornblende-quartz syenite gneiss (Vista Lake).
8c Melanocratic hornblende syenite gneiss (Vista Lake).
8d Hornblende-pyroxene-biotite syenite (Bell Lake).

GRANITIC ROCKS

Pink Granitic Rocks

7 — *7a Pink granite, quartz monzonite.*
7b Gneissic pink granite.
7c Porphyritic pink granite (may be gneissic).
7e Quartz diorite.
7p Granite pegmatite.
7d Quartz porphyry, quartz-feldspar porphyry, feldspar porphyry.

Grey Granitic Rocks

6 — *6a Grey granite, granodiorite.*
6b Gneissic grey granite.
6c Porphyritic grey granite.
6p Granite pegmatite.

Granitic Gneisses

5 — *5a Migmatite.*
5b Lit-par-lit gneiss.
5c Hybrid granite gneiss.
*5d Amphibolite (massive or foliated).****

EARLY BASIC INTRUSIVE ROCKS

4 — *4a Gabbro.*
4b Metagabbro, metadiorite.
4c Pyroxenite, lamprophyre.

SEDIMENTARY AND VOLCANIC ROCKS

SEDIMENTARY ROCKS

3 — *3a Greywacke.*
3b Conglomerate.
3c Argillite, siltstone, slate, phyllite.
3s Staurolite-biotite-feldspar schist.
3d Metasedimentary schists and gneisses (garnet, biotite, hornblende, feldspar, quartz).
3e Minor volcanic rocks (?), chlorite schist, tuff (?).
3p Biotite paragneiss.

2 — *2 Banded magnetite iron formation (I.F.).*

VOLCANIC ROCKS

Basic Volcanic Rocks

1 — *1a Altered basic and intermediate volcanic rocks.*
*1b Coarse-grained basic flow rocks.****
1c Agglomerate, tuff.
1p Pillow lava.
*1d Porphyritic basalt.****
1e Schist and gneiss (garnet, feldspar, biotite, chlorite, hornblende).
1s Metasedimentary interbeds, tuff (?).

Acid Volcanic Rocks

1 — *1r Rhyolite, porphyritic (quartz) rhyolite.*****
1h Acid agglomerate, tuff, flow breccia.
1t Acid to intermediate volcanic rocks.
1g Quartz-sericite-carbonate schist.

Breccia.

carb — *Carbonatized rock.*

**Unconsolidated deposits. Cenozoic deposits are represented by the lighter coloured and uncoloured parts of the map.*

***Bedrock geology. Outcrops and inferred extensions of each rock map unit are shown respectively in deep and light tones of the same colour. Where in places a formation is too narrow to show colour and must be represented in black, a short black bar appears in the appropriate block.*

****Origin not known. May be older basic intrusive and/or extrusive rocks.*

*****May include some basic intrusive rocks.*

******May include some intrusive quartz porphyry.*

SYMBOLS

- *Glacial striae.*
- *Drift features.*
- *Small rock outcrop.*
- *Boundary of rock outcrop.*
- *Geological boundary, defined.*
- *Geological boundary, approximate.*
- *Geological boundary, assumed.*
- *Geological boundary as indicated by geophysical data.*
- 65° — *Strike and dip; direction of top unknown.*
- *Strike and vertical dip; direction of top unknown.*
- *Direction in which lava flows face as indicated by shape of pillows.*
- 55° — *Strike and dip of schistosity.*
- *Strike of vertical schistosity.*
- *Strike of schistosity, dip unknown.*
- 75° — *Strike and dip of gneissosity.*
- *Strike of vertical gneissosity.*
- *Horizontal gneissosity.*
- *Drag-folds.*
- *Fault, indicated or assumed.*
- qv 15' — *Quartz veins.*
- S — *Sulphide mineralization.*
- Mo — *Molybdenum.*
- ra — *Radioactive mineral.*
- MA — *Magnetic attraction.*
- *Muskeg or swamp.*
- R. F. — *River, creek, stream, R = rapids; F = falls.*
- *Railway.*
- *Trail, portage, winter road.*
- *Building.*
- *District boundary. Approximate position.*
- *Surveyed line. Block boundary. Approximate position.*
- *Picket line.*

ONTARIO
DEPARTMENT OF MINES

HON. G. C. WARDROPE, *Minister of Mines*
D. P. Douglass, *Deputy Minister* M. E. Hurst, *Director, Geological Branch*

Map 2044

METIONGA LAKE AREA

THUNDER BAY AND KENORA DISTRICTS

Scale 1 : 63,360 or 1 Inch to 1 Mile

Chains 80 40 0 1 2 3 4 5 Miles
Feet 10,000 0 10,000 20,000 Feet
Metres 1000 0 1 2 3 4 5 6 Kilometres

SOURCES OF INFORMATION

Geology by D. P. Rogers 1961.

Cartography by R. B. Robinson and P. E. Sorrell, Ontario Department of Mines, 1963.

Base map compiled from maps of the Forest Resources Inventory, Ontario Department of Lands and Forests, with additional information by D. P. Rogers, 1961.

The geology is not tied to surveyed lines.

Magnetic declination was approximately 1° E., 1961.

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