

PRELIMINARY SERIES

- LEGEND**
- SILURIAN**
- LOWER SILURIAN**
- MEENA GROUP**
- 13 SEVERN RIVER FORMATION: dolomite, dolomitic sandstone, sandstone
- ORDOVICIAN**
- UPPER ORDOVICIAN**
- RICHMOND GROUP**
- 12 Dolomite, limestone sandstone

- UNCONFORMITY**
- 11 Diabase dykes
- 10 Syenite
- 9 Undifferentiated granitic rocks (6-8)
- 8 Massive leucocratic granitic rocks, mainly pink, sa, mainly white
- 7 Porphyritic granitic rocks
- 6 Foliated granitic rocks
- 5 Basic to ultrabasic intrusive rocks; diorite, quartz diorite, gabbro, olivine gabbro, anorthositic gabbro, pyroxenite, minor melanocratic gabbro
- 4 Paragneiss, lit-par-lit gneiss, migmatite, mixed rocks, hybrid granitic rocks with abundant amphibolite inclusions
- 3 Iron-formation
- 2 Mainly sedimentary rocks and metamorphic equivalents; minor volcanic rocks; Zn, conglomerate
- 1 Mainly volcanic rocks and metamorphic equivalents; minor sedimentary rocks. Includes some small basic to ultrabasic bodies

Note: 12/1, 13/1, 13/3 and 13/5 indicate Precambrian formations 1, 3 and 5 are interpreted under Palaeozoic formations 12 and 13. Based on aeromagnetic data.

Geological boundary: ————

Precambrian geological boundary under Palaeozoic cover from aeromagnetic data: - - - - -

Fault (approximate, assumed): - - - - -

Producing mine: ⊙

Abandoned mine: ⊙

Mineral occurrence: ⊙

Potassium-Argon age (million years): 2825 M.Y. O

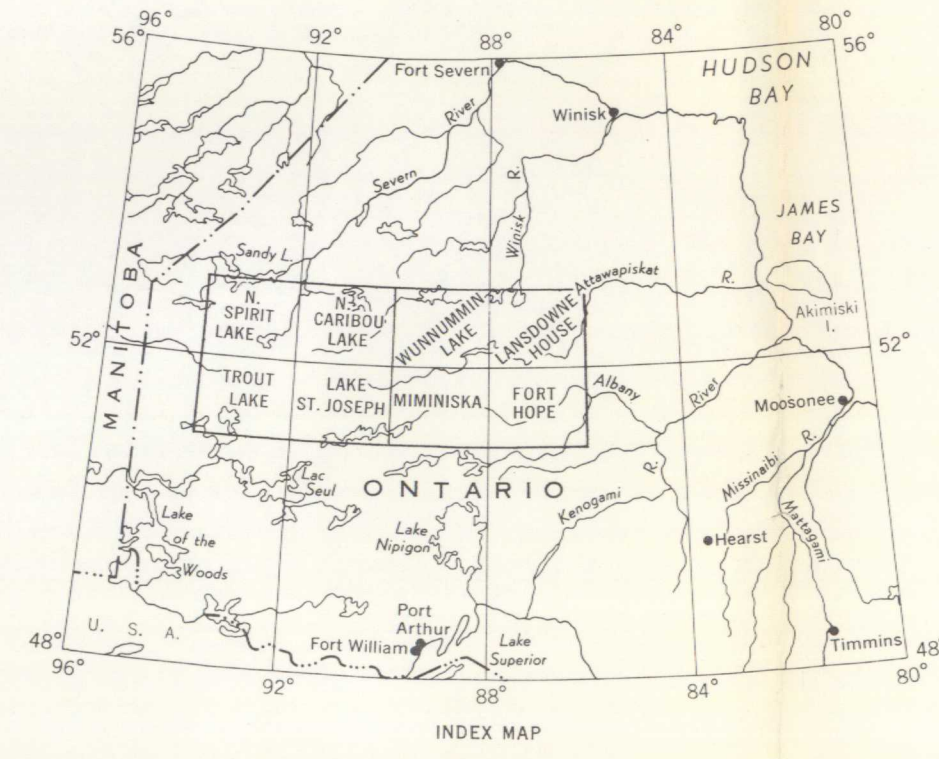
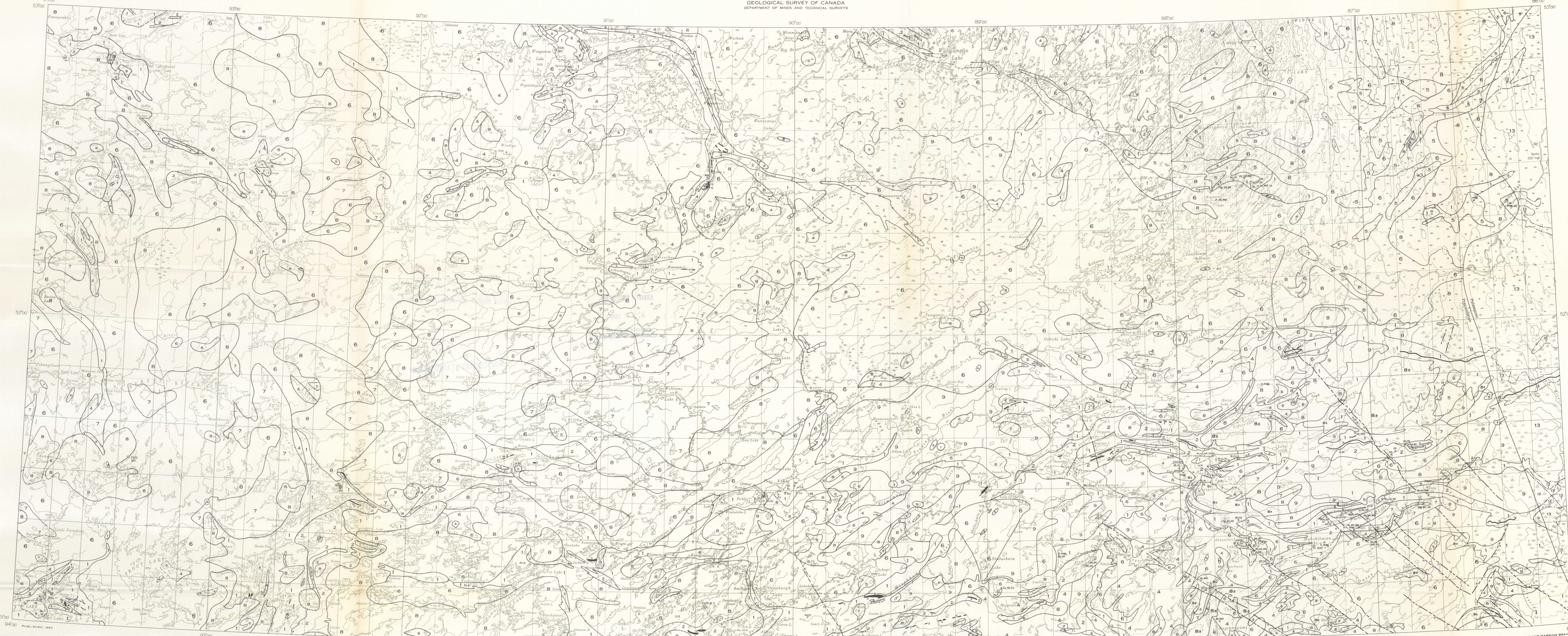
**MINERALS**

Arsenopyrite . . . . .asp	Molybdenum . . . . .Mo
Asbestos . . . . .asb	Nickel . . . . .Ni
Chalcopyrite . . . . .cp	Pyrrhotite . . . . .py
Cobalt . . . . .Co	Pyrrhotite . . . . .py
Copper . . . . .Cu	Silver . . . . .Ag
Galena . . . . .gn	Sphalerite . . . . .sp
Gold . . . . .Au	Sulphides . . . . .s
Magnetite . . . . .mag	Tungsten . . . . .W

Compilation by S. Duffell, 1962

Compiled from the following Geological Survey of Canada maps: 54-1959, Trout Lake (22 N), 56-1960, North Spirit Lake (13 C), 51-1960, Lake St. Joseph (12 C), 6-1961, Miminiska (12 P), 18-1961, North Caribou Lake (13 B), 1-1962, Wumumina Lake (13A), 4-1962, Lansdowne House (43 D), 6-1962, Fort Hope (42 M)

Cartography by the Geological Survey of Canada, 1963



MAP 2-1963  
 TO ACCOMPANY PAPER 63-5  
**GEOLOGY**  
**RED LAKE-LANSDOWNE HOUSE AREA**  
**ONTARIO**

Scale: One Inch to Eight Miles =  $\frac{1}{305,880}$   
 Miles 0 8 16 24

- Roads: ————
- Surveyed line: ————
- Post Office: ⊙
- Trading Post: ⊙
- Wireless Station: ⊙
- Marsh: ⊙
- Falls and Rapids: ⊙
- Height in feet above mean sea-level: ⊙
- Base-map compiled from maps published by the Surveys and Mapping Branch

MAP 2-1963  
 RED LAKE-LANSDOWNE HOUSE AREA  
 ONTARIO  
 PARTS OF 42, 43, 52, 53

MANUSCRIPTS  
 UNIT  
 AUG 26 1963  
 G.S.C.