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Armstrong H.S., Gittins J. 1968. Monmouth township, Haliburton County; Ontario Department of Mines, Preliminary Map P.0060, scale 1:31 680.

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# MONMOUTH TOWNSHIP

HALIBURTON COUNTY

Scale 1 inch to 1/2 mile

N.T.S. Reference: 31 D/16, 31 E/1  
 G.S.C. Aeromagnetic Maps: 146G, 110G

## LEGEND

- GENOZOIC**  
 PLEISTOCENE AND RECENT  
 Sand, gravel and clay
- UNCONFORMITY**
- PRECAMBRIAN**
- PLUTONIC ROCKS**  
**GRANITIC ROCKS**  
 8a Pink and white leucogranite; granite gneiss  
 8b Biotite granite; biotite granite gneiss  
 8h Hornblende granite; hornblende granite gneiss  
 8H Hybrid granite gneiss, (interbanded granite gneiss and metasediment); granitized gneiss  
 8P Granite pegmatite; pegmatitic granite
- 7  
**SYENITIC ROCKS**  
 7L Pink and white leucosyenite; syenite gneiss  
 7b Biotite syenite; biotite syenite gneiss  
 7h Hornblende syenite; hornblende syenite gneiss  
 7H Hybrid syenite gneiss, (interbanded syenite gneiss and metasediment); feldspathized gneiss  
 7P Syenite pegmatite
- 6  
**NEPHELINE-BEARING ROCKS**  
 6S Hypersolvus nepheline syenite with igneous texture  
 6b Biotite nepheline gneiss  
 6h Hornblende nepheline gneiss  
 6i Ijolite; massive nepheline-pyroxene rock  
 6e Nepheline-poor gneiss  
 6P Nepheline pegmatite  
 6Th Theralitic canadite (nepheline gabbro)
- 4  
**MAFIC AND ULTRAMAFIC INTRUSIVE ROCKS**  
 4D Diorite  
 4G Gabbro  
 4T Troctolite  
 4P Peridotite  
 4F Pyroxenite  
 4M Metagabbro  
 4A Amphibolite  
 4B Diabase
- METASEDIMENTS**  
**MARBLE**  
 3 Crystalline limestone; dolomite; marble  
 3d Diopside marble  
 3p Phlogopite marble  
 3g Graphite marble  
 3Ch Chondrodite marble  
 3S Calc-silicate rock; calc-silicate - calcite rock
- 2  
**PARAGNEISS-AMPHIBOLITE GROUP**  
 2A Para-amphibolite; hornblende - rich gneiss; hornblende-plagioclase gneiss  
 2F Feldspathic paragneiss; quartz-feldspathic paragneiss  
 2P Paragneiss; 2Pc, calcareous paragneiss; 2Ph hornblende paragneiss (less hornblende than 2A); 2Pg, garnet paragneiss  
 2Q Quartzite; 2Qp, pyroxene quartzite; 2Q Act, actinolite quartzite

- GEOLOGICAL AND MINING SYMBOLS**
- \* Small bedrock outcrop.
  - Area of bedrock outcrop.
  - ▨ Bedding, top unknown; (inclined, vertical).
  - ▨ Gneissosity, (horizontal, (inclined, vertical).
  - Geological boundary, observed.
  - - - Geological boundary, position interpreted.
  - X Anticline, syncline, with plunge.
  - ⊥ Shaft; depth in feet.

- MINERAL OCCURRENCES REFERENCE\***
- |     |       |            |    |       |                |
|-----|-------|------------|----|-------|----------------|
| ap  | ..... | Apatite    | Mo | ..... | Molybdenum     |
| fel | ..... | Feldspar   | ne | ..... | Nepheline      |
| st  | ..... | Staurolite | st | ..... | Building stone |
| mi  | ..... | Mica       |    |       |                |
- \* Locations approximate, mostly from Satterly (1943).

- LIST OF URANIUM PROPERTIES (as of 1956)**
- 5 Acmac Mining Corp. Ltd.
  - 6 Canadian All Metals Explorations Ltd.
  - 7 Cordell Gold Mines Ltd.
  - 8 Cudney, T.
  - 9 Desmond Mining Corp. Ltd. (formerly Homer Yellowknife Mines Ltd.)
  - \*10 Empire Oil and Minerals Incorp.
  - 11 Fairley Red Lake Gold Mines Ltd.
  - \*12 Gould, B.
  - 13 Jasco Uranium Mines Ltd.
  - 14 Long Ridge Uranium Mines Ltd.
  - 15 Nu-Age Uranium Mines Ltd., Old Smokey property
  - \*16 Rare Earth Mining Co. Ltd.
  - 17 Red Bark Mines Ltd., Monmouth property
  - 18 Roford Mines Ltd.
  - 19 Saranac Uranium Mines Ltd.
  - 20 Scaddore Gold Mines Ltd.
  - 21 Silanco Mining and Refining Co. Ltd., Tory Hill property
  - 22 Urotomic Mines Ltd.
  - 23 Wadasa Gold Mines Ltd.
- \* Not described in Open File Report 5021 (see Satterly 1956)  
 \*\* Name changed to Amalgamated Rare Earth Mines Ltd., March 1957.

**REFERENCES**

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Eardley-Wilmot, V.L.  
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 1960: Nepheline syenite deposits of southern Ontario; Ontario Dept. Mines, Vol. 69, pt. 8.

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Johnson, F.J.  
 1968: Molybdenum deposits of Ontario; Ontario Dept. Mines, Mineral Resources Circular No. 7, p. 29-34.

Satterly, J.  
 1943: Mineral occurrences in the Haliburton area; Ontario Dept. Mines, Vol. 52, pt. 2.  
 1956: Radioactive mineral occurrences in the Bancroft area, Ontario Dept. Mines, Vol. 65, pt. 6.

**SOURCES OF INFORMATION**

Geology by H.S. Armstrong and assistants, 1955, 1956, and J. Gittins 1965, 1966, 1967, 1968.

Base map derived from maps of the Forest Resources Inventory, Ontario Department of Lands and Forests with additional information by H.S. Armstrong and J. Gittins.

Lot and concession lines very approximate.

Geology not tied to surveyed lines.

Magnetic declination approx. 9°30'W, 1965.

Issued 1960. Revised edition issued 1968.

