

- LEGEND**
- SILURO-DEVONIAN**
- 28 Gray sandstone, with red hematitic weathering, and fracture cleavage.
  - 27 **RODFOSS LAKE INTRUSION** and associated intrusions: 27a, medium grained, gray gabbro and/or diorite, cut by veins of gabbroic and granitic pegmatite; 27b, medium grained, dark green pyroxenite and gabbro.
  - 26 Equigranular, medium grained, white, muscovite-biotite granite and quartz-feldspar porphyry.
  - 25 Equigranular, medium-fine grained, pink syenite or altered gabbro.
- SILURO-DEVONIAN**
- 24 Garnet-tourmaline-muscovite pegmatite.
- NORTH BAY GRANITE (Units 21 to 23)**
- 23 Porphyritic or equigranular, medium grained, gray or pink, biotite granodiorite, locally containing muscovite.
  - 22 Equigranular, medium grained, gray to buff, biotite-muscovite or biotite granodiorite.
  - 21 Equigranular, medium grained, white, muscovite-garnet granite (not exposed in situ).
  - 20 Migmatite, rich in biotite schlieren and metasedimentary fragments derived from unit 1. Gradational into units 22 and 23 of North Bay Granite.
  - 19 Gray and pink, equigranular, medium grained, unfoliated biotite granite.
  - 18 Gray, moderately foliated, medium grained, porphyritic (18a) or equigranular (18b) biotite granite. Associated with garnet-muscovite epite veins at its margins.
  - 17 Equigranular or locally megacrystic, strongly foliated, medium grained, gray or pink, biotite granite. Locally mylonitic.
- SILURIAN**
- 16 **ROGERSON LAKE CONGLOMERATE:** Purple, clast supported, polymictic conglomerate and sandstone.
- ORDOVICIAN**
- 15 Medium grained gabbro, intruded by mafic dikes. Probably part of the Valentine Lake quartz-monzonite.
  - 14 Equigranular, medium grained, chlorite granite, intruded by mafic dikes.
  - 13 Mafic dikes, minor felsic intrusive rocks, and mafic volcanic rocks.
  - 12 Fine grained, dark green gabbro.
  - 11 Lithic and quartz-crystal felsic tuff.
  - 10 Dark gray and black graphitic pelite with minor green volcanogenic sandstone beds.
  - 9 Volcanogenic, sedimentary rocks, rich in mafic volcanic clasts. Includes laminated and thinly bedded sandstone and shale, thick bedded sandstone and grit, and unbedded conglomerate.
  - 8 Mafic volcanic rocks. Includes pillow lava, massive flows and volcanic breccia.
  - 7 Arkosic sandstone, siltstone and phyllitic shale.
  - 6 Gray, crystal-lithic, felsic tuff, with rusty pyritic lenses. May include felsic flows and/or subvolcanic intrusions in hills east of Lake Douglas.
  - 5 Polymict conglomerate with interbedded shale and siltstone.
  - 4 Gray, quartz-feldspar crystal tuff.
  - 3 Thinly bedded and laminated phyllitic shale, siltstone and sandstone. Includes unseparated limestone, graphitic shale and felsic tuff beds.
  - 2 Foliated, fine-grained amphibolite, probably derived from mafic dikes intrusive into unit 1.
  - 1 Interbedded quartzite, psammite, semipelite and pelite, intruded by unseparated mafic dikes, and probably equivalent to Spruce Brook Formation. 1a, includes black pyritic schist and is metamorphosed in middle to upper amphibolite facies; 1b, metamorphosed in middle to upper amphibolite facies and in places partially melted.

- SYMBOLS**
- Geological boundary (defined, approximate, assumed, gradational).....
  - Bedding (top known; inclined, overturned).....
  - Bedding (top unknown; inclined, vertical).....
  - Primary igneous layering, top unknown (inclined, vertical).....
  - Dike (inclined, vertical).....
  - Cleavage (inclined, vertical).....
  - Cleavage (second deformation; inclined, vertical).....
  - Onesic foliation (inclined, vertical, horizontal).....
  - Fold axis (first deformation).....
  - Fold axis (second deformation).....
  - Lineation (age unspecified).....
  - Lineation (first deformation).....
  - Exposure, see inset.....
  - Fault (defined, approximate, assumed).....
  - Mineral occurrence (py - pyrite; mo - molybdenite; W - tungsten; Au - anomalous gold in assay).....
  - Structural trend (from aerial photographs).....

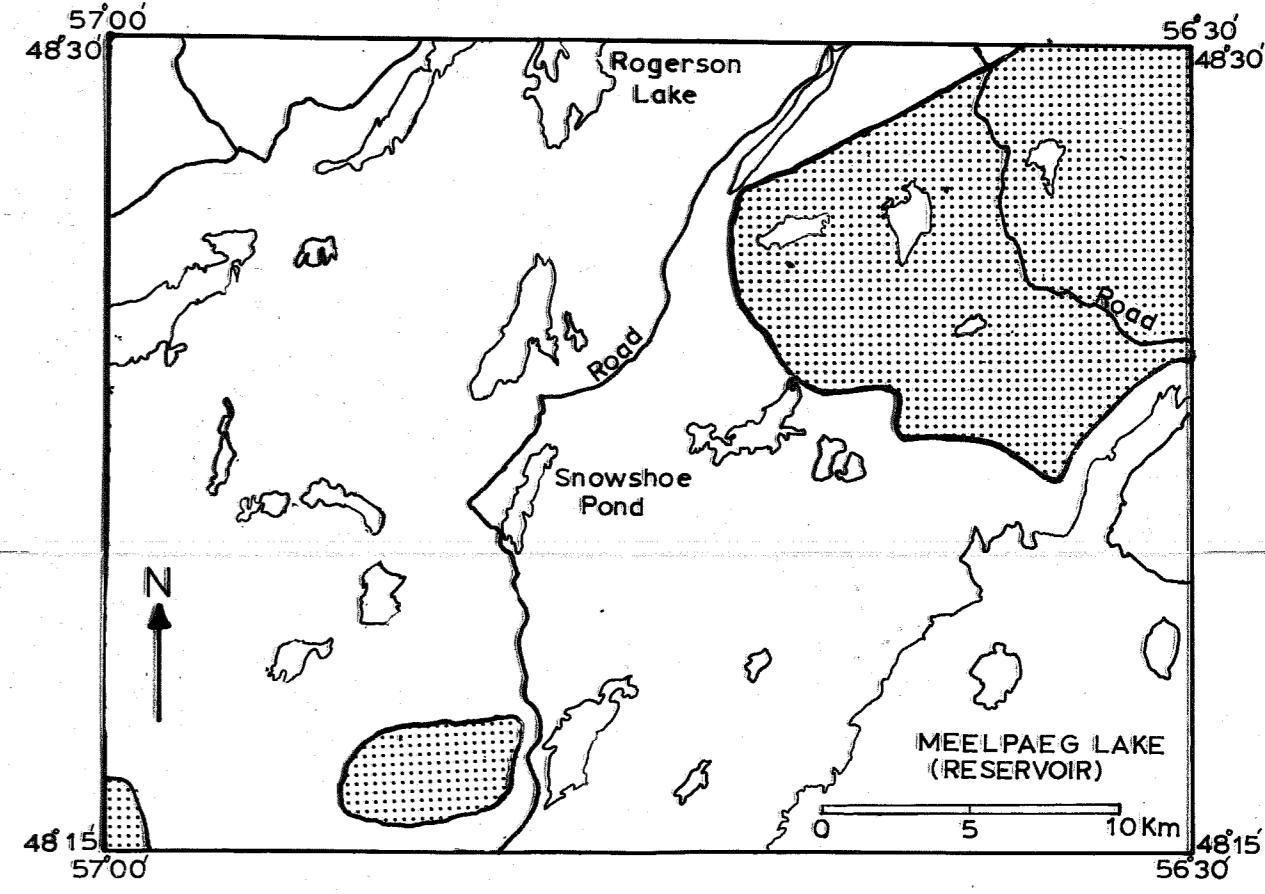
Geology by S.F. Colman-Sadd, 1985, 1986 and 1987.

Copies of this map may be obtained from the Publications and Information Section, Mineral Development Division, Department of Mines, P.O. Box 4750, St. John's, Newfoundland, A1C 2J7.

Base map at same scale published by the Surveys and Mapping Branch, Department of Energy, Mines and Resources, Ottawa, 1973.

Elevations in feet above mean sea level.

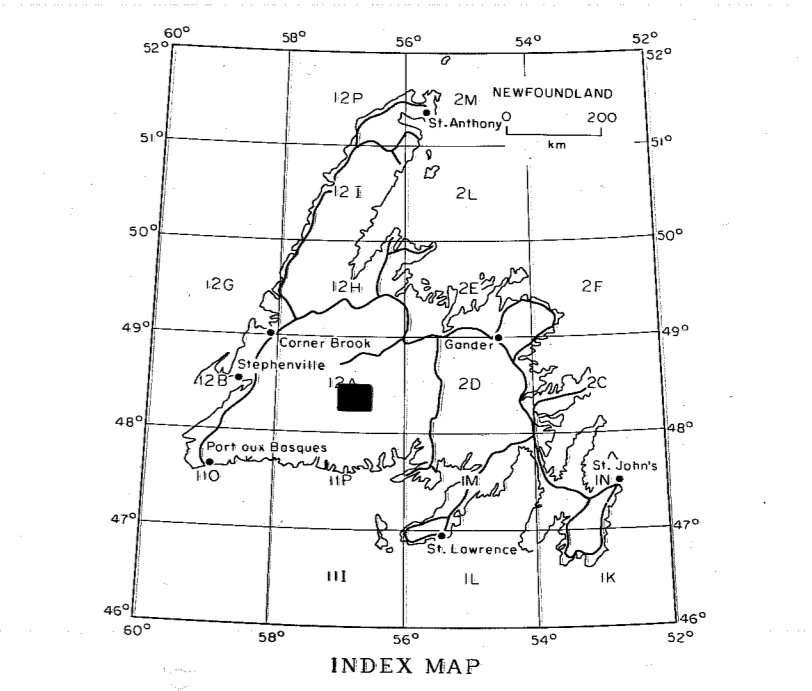
Approximate magnetic declination, 1973, 2°11' west, decreasing 3.4' annually.



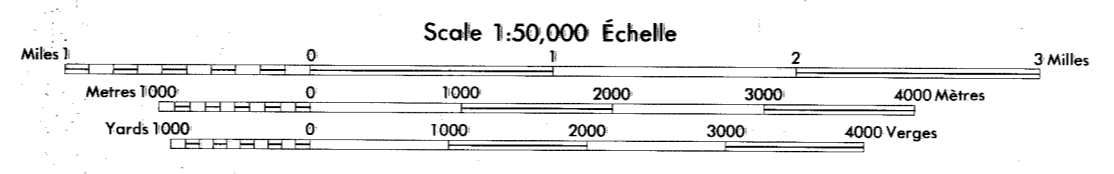
**Distribution of exposure.**

Stippled area: exposure abundant; individual exposures indicated at field stations only.

Unstippled areas: exposure sparse; all exposure locations marked.



**SNOWSHOE POND  
NEWFOUNDLAND**



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