

- DEVONIAN OR OLDER**
- 22 Pink, biotite or biotite-muscovite, equigranular, medium grained granite.
  - 21 Buff to pink, garnet-muscovite, equigranular, fine to medium grained granite.
  - 20 Grey, biotite, porphyritic or equigranular, medium grained granodiorite.
  - 19 Strongly foliated or lineated, pink, biotite, megacrystic granite.

- LOWER TO MIDDLE ORDOVICIAN (no stratigraphic order implied by sequence).**
- SPRUCE BROOK UNIT and related units**
- 18 Interbedded quartzite, psammite and semipelite, intruded by mafic dykes in west half of the area.
  - 17 Psammite schist.
  - 16 Metasedimentary rocks of uncertain affinity.

- COLD SPRING POND FORMATION**
- 15 Mafic pillow lavas, massive basalt, pillow breccia. Includes considerable fine grained chloritic tuff, lesser fine grained sediments.
  - 14 Silicic pyroclastic rocks; dark green to black, siliceous tuff with abundant quartz phenocrysts and/or crystal fragments; local concentrations of feldspar and/or lithic fragments.
  - 13 Sedimentary rocks; includes green, thick to thin bedded graded psammite, siltstones; finely bedded green to black argillites, locally graphitic.

- BAYE D'ESPOIR GROUP**
- 12 Mafic pillow lavas, massive basalt, pillow breccia. Includes considerable fine grained chloritic tuff, less fine grained sediments.
  - 11 Silicic volcanic rocks; dominantly rhyolitic to dacitic, massive to porphyritic flows and ash flows; local volcanic breccia and agglomerate; minor fine grained sediments.
  - 10 Conglomerate; polymictic unstratified to poorly stratified boulder and pebble conglomerate; commonly matrix supported, poorly sorted.
  - 9 Silicic tuff and reworked tuff; quartz and feldspar crystal tuff and crystal-lithic tuff; commonly unstratified but locally shows evidence of reworking.
  - 8 Sedimentary rocks; includes green, thick to thin bedded graded psammite, siltstones; finely bedded green to black argillites, locally graphitic.

- CAMBRIAN TO LOWER ORDOVICIAN**
- PIPESTONE POND COMPLEX**
- 7 Black, fine grained sedimentary rocks.
  - 6 Basalt; pillowed to massive flows, commonly variolitic, pillow breccia, minor tuff.
  - 5 Trough-jonite; coarse to medium grained, equigranular.
  - 4 Dominantly coarse to medium grained gabbro; includes fine grained diabase and trough-jonite dikes in higher levels and interlayered pyroxenite in lower levels.
  - 3 Coarse to medium grained pyroxenite, locally with interbedded gabbro.
  - 2 Banded coarse to medium grained pyroxenite and fine grained peridotite, commonly serpentinized.
  - 1 Peridotite; fine grained, commonly with pyroxene phenocrysts and disseminated chromite; is, sheared, brecciated and serpentinized peridotite.

- SYMBOLS**
- Geological contact (defined, approximate, assumed, gradational).....
  - Bedding (top known; inclined, overturned).....
  - Bedding (top unknown; inclined, vertical).....
  - Primary igneous layering, top unknown (inclined, vertical).....
  - Cleavage (inclined, vertical).....
  - Cleavage (second deformation; inclined, vertical).....
  - Cleavage (third deformation; inclined, vertical).....
  - Shearing (inclined, vertical).....
  - Gneissic foliation (inclined, vertical, horizontal).....
  - Fold axis (first deformation).....
  - Fold axis (second deformation).....
  - Fold axis (third deformation).....
  - Lineation (age unspecified).....
  - Lineation (first deformation; S-intersection of bedding and first cleavage).....
  - Mafic dikes (inclined, vertical).....
  - Exposure, where not indicated by other symbol.....
  - Fault (defined, approximate, assumed).....
  - Mineral prospect (py - pyrite; po - pyrrhotite; cp - chalcopyrite; cr - chromite).....

Geology by S.P. Colman-Sadd (1984), west half, and by H.S. Swinden (1981), east half.

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

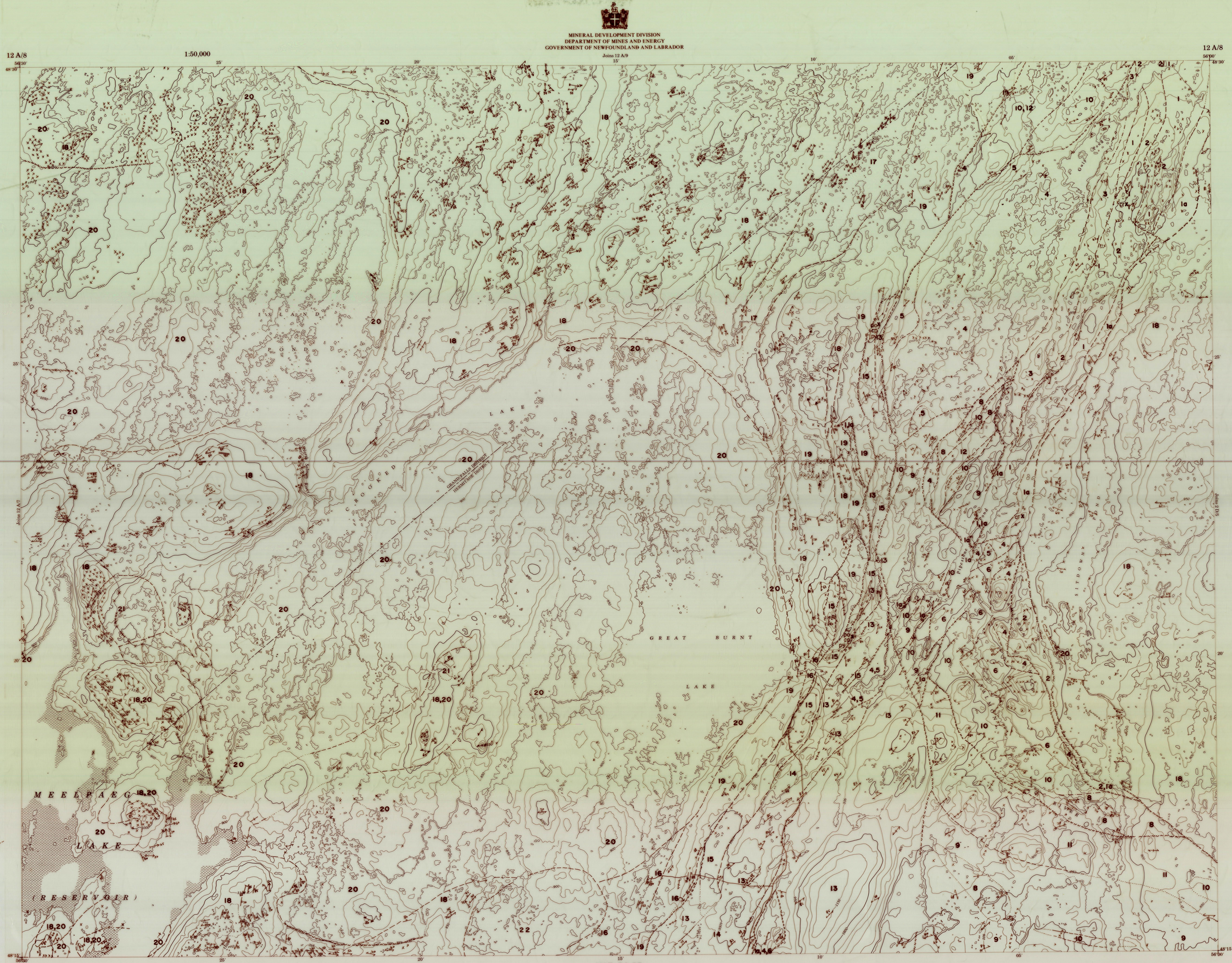
The eastern part of this map is also published separately at a scale of 1:20,000 as Open File Maps 81-113 and 81-114 by H.S. Swinden (1981).

Base map at same scale published by the surveys and Mapping Branch, Department of Energy, Mines and Resources, Ottawa, 1971.

Elevations in feet above mean sea level.

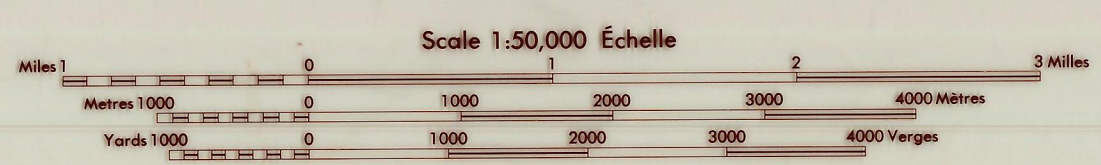
Approximate magnetic declination, 1973, 26°05' west, decreasing 3.4' annually.

Part of this project was financed under the Canada/Newfoundland Mineral Development Subsidiary Agreement (1977-1981) by contributions from the Government of Newfoundland and Labrador (10 percent) and from the Departments of Regional Economic Expansion (4.5 percent) and Energy, Mines and Resources (4.5 percent) of the Government of Canada.



MINERAL DEVELOPMENT DIVISION  
DEPARTMENT OF MINES AND ENERGY  
GOVERNMENT OF NEWFOUNDLAND AND LABRADOR  
June 12 A/9

**MAP 84-66  
GREAT BURNT LAKE  
NEWFOUNDLAND**



Published by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES, Ottawa, and the MINERAL DEVELOPMENT DIVISION, DEPARTMENT OF MINES AND ENERGY, St. John's, Newfoundland.

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Roads: brown or black on surface, all weather; grey aggregate, black asphalt; light surface, gravel and crushed stone; unpaved roads; yellow on surface; black on surface.

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Publié par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES, Ottawa, et par le DÉPARTAMENT DES MINES ET DE L'ÉNERGIE, St. John's, Terre-Neuve.

12/11/412