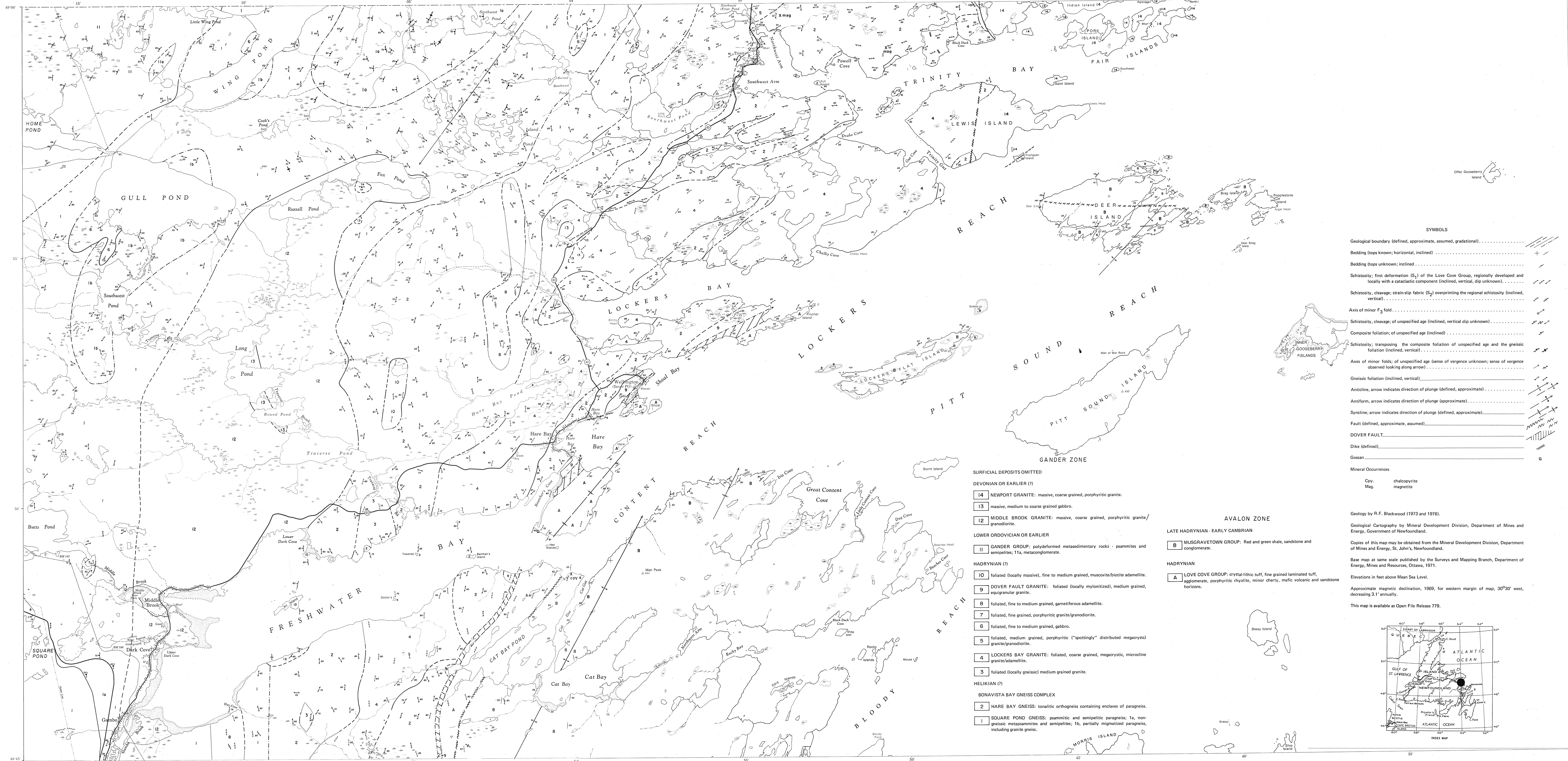


MINERAL DEVELOPMENT DIVISION  
DEPARTMENT OF MINES AND ENERGY  
GOVERNMENT OF NEWFOUNDLAND AND LABRADOR



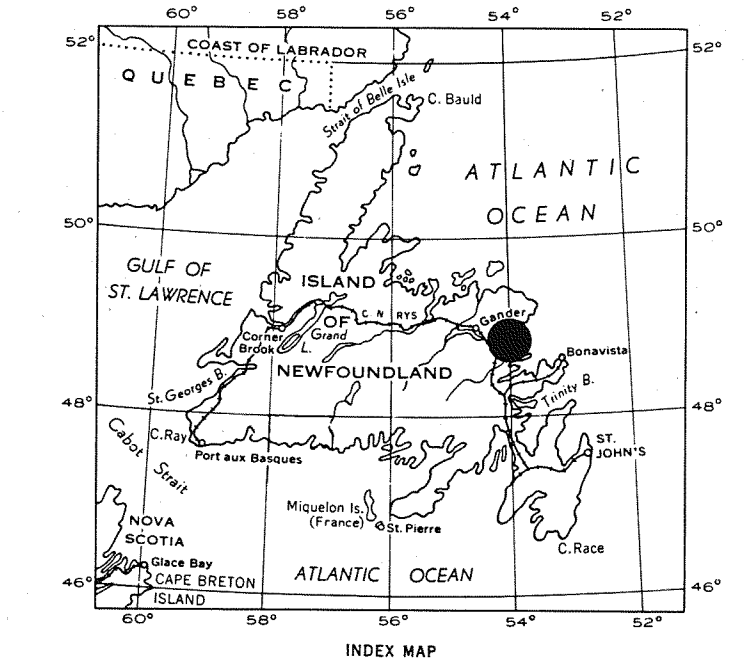
**SYMBOLS**

Geological boundary (defined, approximate, assumed, gradational)	.....
Bedding (top known; horizontal, inclined)	.....
Bedding (top unknown; inclined)	.....
Schistosity; first deformation (S <sub>1</sub> ) of the Love Cove Group, regionally developed and locally with a cataclastic component (inclined, vertical, dip unknown)	.....
Schistosity, cleavage; strain-slip fabric (S <sub>2</sub> ) overprinting the regional schistosity (inclined, vertical)	.....
Axis of minor F <sub>2</sub> fold	.....
Schistosity, cleavage; of unspecified age (inclined, vertical dip unknown)	.....
Composite foliation; of unspecified age (inclined)	.....
Schistosity; transposing the composite foliation of unspecified age and the gneissic foliation (inclined, vertical)	.....
Axes of minor folds; of unspecified age (sense of vergence unknown; sense of vergence observed looking along arrow)	.....
Gneissic foliation (inclined, vertical)	.....
Anticline, arrow indicates direction of plunge (defined, approximate)	.....
Antiform, arrow indicates direction of plunge (approximate)	.....
Syncline; arrow indicates direction of plunge (defined, approximate)	.....
Fault (defined, approximate, assumed)	.....
DOVER FAULT	.....
Dike (defined)	.....
Gossan	.....
Mineral Occurrences	.....
Cry. chrysotyle	.....
Mag. magnetite	.....

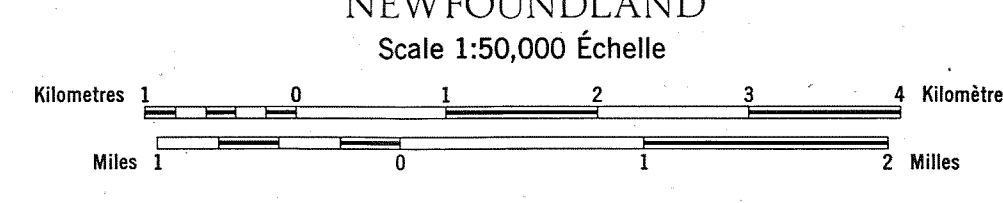
- SURFICIAL DEPOSITS OMITTED**
- DEVONIAN OR EARLIER (?)**
- 14 NEWPORT GRANITE: massive, coarse grained, porphyritic granite.
  - 13 massive, medium to coarse grained gabbro.
  - 12 MIDDLE BROOK GRANITE: massive, coarse grained, porphyritic granite/granodiorite.
- LOWER ORDOVICIAN OR EARLIER**
- 11 GANDER GROUP: polydeformed meta-sedimentary rocks - psammites and semipelites; 11a, metaconglomerate.
- HADRYNIAN (?)**
- 10 foliated (locally massive), fine to medium grained, muscovite/biotite adamellite.
  - 9 DOVER FAULT GRANITE: foliated (locally mylonitized), medium grained, equigranular granite.
  - 8 foliated, fine to medium grained, garnetiferous adamellite.
  - 7 foliated, fine grained, porphyritic granite/granodiorite.
  - 6 foliated, fine to medium grained, gabbro.
  - 5 foliated, medium grained, porphyritic ("spottily" distributed megacrysts) granite/granodiorite.
  - 4 LOCKERS BAY GRANITE: foliated, coarse grained, megacrystic, microcline granite/adamellite.
  - 3 foliated (locally gneissic) medium grained granite.
- HELIKIAN (?)**
- BONAVISTA BAY GNEISS COMPLEX**
- 2 HARE BAY GNEISS: tonalitic orthogneiss containing enclaves of paragneiss.
  - 1 SQUARE POND GNEISS: psammitic and semipelitic paragneiss; 1a, non-gneissic metapsammites and semipelites; 1b, partially migmatized paragneiss, including granite gneiss.

- AVALON ZONE**
- B MUSGRAVETOWN GROUP: Red and green shale, sandstone and conglomerate.
- HADRYNIAN**
- A LOVE COVE GROUP: crystal-litic tuff, fine grained laminated tuff, agglomerate, porphyritic rhyolite, minor cherty, mafic volcanic and sandstone horizons.

Geology by R.F. Blackwood (1973 and 1976).  
Geological Cartography by Mineral Development Division, Department of Mines and Energy, Government of Newfoundland.  
Copies of this map may be obtained from the Mineral Development Division, Department of Mines and Energy, St. John's, Newfoundland.  
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, 1980, for western margin of map, 30°30' west, decreasing 3.1' annually.  
This map is available as Open File Release 779.



**GAMBO (east half) and ST BRENDAN'S**  
NEWFOUNDLAND



F. or Drawing No. MDP 779  
DETAILS GAMBO (east half) and ST BRENDAN'S

DRAWING No. 15