



GEOLOGICAL SURVEY BRANCH  
DEPARTMENT OF MINES AND ENERGY  
GOVERNMENT OF NEWFOUNDLAND AND LABRADOR

**GEOLOGY OF THE WESTERN ARM BROOK-  
LEADING TICKLES AREA (PARTS OF 2E/5,6,11),  
NOTRE DAME BAY, NEWFOUNDLAND**

Scale 1:50 000

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1991

**LEGEND**

**UPPER ORDOVICIAN**

**POINT LEAMINGTON GREYWACKE**

9 sandy to pebbly, feldspathic wacke and conglomeratic lithic wacke (Goldson Conglomerate lenticles)

8 light grey sandstone and grey siltstone

7 dark grey shale and laminated grey argillite

**LAWRENCE HARBOUR SHALE**

6 unseparated formations composed largely of black shale and black siltstone; minor grey chert

**MIDDLE ORDOVICIAN**

**WILD BIGHT GROUP**

5 red, green and grey, interbedded chert and argillite

4 tuffaceous epiclastic wacke; minor tuff containing mafic and felsic volcanic pyroclasts

3 mafic pillow lava and breccia with or without subordinate felsic tuff

2 red, green and grey argillite; minor chert

**LOWER-MIDDLE ORDOVICIAN**

**SOUTH LAKE IGNEOUS COMPLEX**

1 unseparated bodies of tonalite and quartz diorite; mafic dyke suites; ophiolitic metagabbro

**KEY**

- geological boundary (defined, approximate).....
- bedding (inclined, overturned).....
- anticline.....
- syncline.....
- fold axial trace (plunge direction indicated).....
- thrust fault (barbs on upthrown side).....
- base metal prospect.....

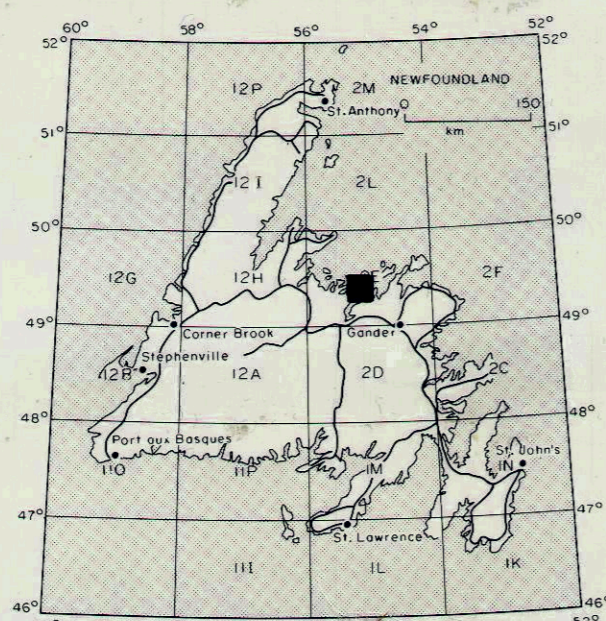
**NOTES**

For the sake of simplicity, foliation symbols have been purposefully omitted from all map units.

This preliminary open file map is subject to revision and correction. It is based on examination of coastal, lakeshore and roadcut exposures and integration of these information sources with existing maps of the region.

Copies of this map are available from Publication and Information Section, Geological Survey Branch, Department of Mines and Energy, P.O. Box 8700, St. John's, Newfoundland, Canada A1B 4J6.

Base maps at same scale published by Surveys and Mapping Branch, Department of Energy, Mines and Resources, Ottawa. Elevations in feet above mean sea level; contour interval 50 feet. Approximate mean declination (1991) for centre of map is 25 degrees 15 minutes west.



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