



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

- LEGEND
- PRECAMBRIAN
- 15 Gabbro and diabase
  - 14 Intrusive rhyolite
  - 13 Holyrood batholith
- CAMBRIAN
- 12 Red, green, gray to gray-black sandstone, shale, and limestone; minor basal conglomerate
- PRECAMBRIAN
- SIGNAL HILL GROUP (8-11)
- 11 BLACKHEAD FORMATION: Red and green-gray arkosic sandstone, siltstone and shale
  - 10 CUCKOLD FORMATION: Red pebble conglomerate, sandstone and shale
  - 9 BATTERY FORMATION: Red sandstone and shale
  - 8 GIBBET HILL FORMATION: Green-gray sandstone and shale
- ST. JOHN'S GROUP (6-7)
- 7 OUTER COVE FORMATION: Interbedded gray to black sandstone, siltstone, and shale
  - 6 MIDDLE COVE FORMATION: Black shale
- CONCEPTION GROUP (4-5)
- 5 Green-gray, red, thin to medium bedded graywacke, siltstone, shale, and chert with minor airfall crystal tuff and tuff; 6a, thick to medium bedded graywacke, siltstone, argillite, and chert
  - 4 Green-gray laminated to massive arkosic sandstone with intercalated green argillite, and rare pillowed basalt; 4a, tilloid
- HARBOUR MAIN GROUP (1-3)
- 3a, Interbedded basaltic pillow lava, felsic to intermediate crystal tuff, tuff, agglomerate, massive arkosic sandstone, graywacke, argillite and chert; 3b, mylonitic, quartz dioritic and gabbroic to diabasic intrusives, rare mafic volcanic and sedimentary rocks; 3c, pillow basalts
  - 2 Red to gray-black rhyolitic flows, crystal tuff, and agglomerate
  - 1 Basaltic pillow lava, minor red and green sandstone, siltstone, argillite, and chert

- SYMBOLS
- Foliation
  - Bedding (tops known, tops unknown, overturned)
  - Geological boundary (defined, approximate, assumed)
  - Fault (defined, assumed)
  - Thrust fault (defined, assumed)
  - Anticlinal axis
  - Synclinal axis
  - Mineral occurrence
- any amethyst    Mn manganese    x Cu  
Cu copper    sc silica

Geology by Eugene Hsu, 1975  
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Geological cartography by Mineral Development Division, Department of Mines and Energy, Government of Newfoundland and Labrador  
Copies of this map may be obtained from the Publications and Information Section, Mineral Development Division, Department of Mines and Energy, St. John's, Newfoundland  
Base map of same scale published by the Surveys and Mapping Branch, Department of Energy, Mines and Resources, Ottawa, in 1971  
Approximate magnetic declination 28°  
Elevation in feet above mean sea level

MAP 7836

Scale 1:50,000  
Echelle 1:50,000

roads	roads	roads	roads
hard surface	hard surface	hard surface	hard surface
soft surface	soft surface	soft surface	soft surface
water	water	water	water

POUCH COVE - ST. JOHN'S  
NEWFOUNDLAND  
Scale 1:50,000 Echelle  
Meters 0 1000 2000 3000 4000  
Yards 0 1000 2000 3000 4000

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