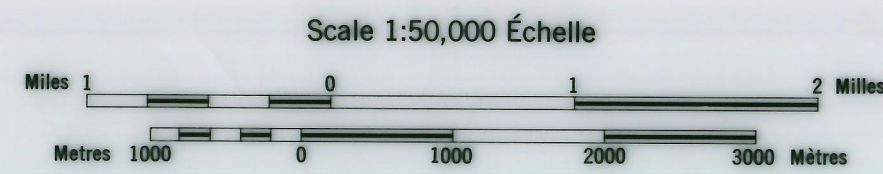


MAP 94 - 224
GEOLOGY AND MINERAL OCCURENCES OF
BADGER



LEGEND

- DEVONIAN AND SILURIAN**
- 13 Medium-grained quartz syenite and medium- to coarse-grained granite
 - 12 Skull Hill Quartz Syenite: 12a, fine- to medium-grained diorite and gabbro; 12b, fine- to medium-grained quartz syenite and quartz monzonite
 - 11 Fine- to medium-grained gabbro and diorite
- SILURIAN AND ORDOVICIAN**
- 10 Sandstone, minor conglomerate, siltstone, chert, and argillite; 10a, fine- to coarse-grained sandstone, minor conglomerate, siltstone, chert, and argillite; 10b, pebble to cobble conglomerate, minor sandstone and siltstone
- MIDDLE ORDOVICIAN**
- 9 Black shale and minor siliceous slate, chert, argillite, and greywacke
- MIDDLE ORDOVICIAN AND OLDER**
- BUCHANAN GROUP (Units 5, 6, 7 and 8)**
- 8 Undivided mafic to felsic volcanic rocks and minor sedimentary rocks, possibly includes quartz-feldspar porphyry (equivalent to Units 5, 6 and 7)
 - 7 Quartz-feldspar porphyry
 - 6 Sandy Lake Formation (7): 6a, fine- to coarse-grained quartz-feldspar litharenite with minor interbedded siltstone, mudstone, argillite, intraformational conglomerate and chert; 6b, intermediate to mafic pillow lava, tuff, breccia; minor non-pillowed flows and intermediate agglomerate, rare chert; 6c, felsic tuff, breccia and rare flows; 6d, fine- to medium-grained grey to green sandstone and arkose; minor breccia and quartz-feldspar crystal tuff
 - 5 Intermediate to mafic flows and mafic pillow lava, amygdaloidal and locally feldsparphyritic
- VICTORIA LAKE GROUP (Units 3 and 4)**
- 4 Sandstone, siltstone and minor argillite, black shale, conglomerate, chert, limestone and mafic volcanic rocks; 4a, fine- to coarse-grained sandstone and minor pebble conglomerate, siltstone, argillite, black shale, and limestone; 4b, grey, green and black siltstone, argillite, shale and sandstone; 4c, siliceous siltstone, chert and minor argillite and sandstone; 4d, mafic pillow lava, 4e, mafic agglomerate; 4f, mixture; 4g, pebble to boulder conglomerate
 - 3 Tally Pond volcanic rocks: Intermediate, non-pillowed flows and minor felsic flows, tuffs, and breccias
- HUNGRY MOUNTAIN COMPLEX**
- 2a, fine- to medium-grained quartz gabbro and medium- to coarse-grained quartz diorite and tonalite; 2b, medium-grained granite and granodiorite
- PRECAMBRIAN**
- 1 Criddle Back Lake Quartz Monzonite: 1a, medium-grained gabbro and diorite; 1b, medium-grained quartz monzonite and granodiorite

Geology by B.F. Kean and N.R. Jaysingh, 1978; revised by D.T.N. Evans and B.F. Kean, 1980.
This preliminary map may be subject to revision and correction.
Geological cartography by Geological Survey Branch, Department of Mines and Energy, Government of Newfoundland and Labrador.
Copies of this map may be obtained from the Publications and Information Section, Geological Survey Branch, Department of Mines and Energy, P.O. Box 6700, St. John's, Newfoundland, Canada, A1B 4J6.
Base map at same scale published by the Surveys and Mapping Branch, Department of Energy, Mines and Resources, Ottawa, 1973. Roads updated from Department of Forestry and Agriculture, Government of Newfoundland and Labrador, photography 1976.
Approximate magnetic declination, 1985, for centre of map 28°20' west decreasing 3.0' annually.
Elevations in feet above mean sea level.
This project was financed under the Canada-Newfoundland Mineral Development Subsidiary Agreement (1977-1981) and the Canada-Newfoundland Mineral Development Agreement (1984-1988). Project carried out by Newfoundland Department of Mines and Energy.

SYMBOLS

- Geological boundary (defined, approximate, assumed).....
Geological boundary (gradational).....
Geological boundary (geophysically defined).....
Bedding, tops known (inclined, vertical, overturned).....
Bedding, tops unknown (inclined, vertical).....
Strike and dip of pillows, tops unknown (inclined, vertical).....
Schistosity or cleavage (inclined, vertical).....
Foliation due to thrusting (inclined, vertical).....
Axes of minor folds (showing trend and plunge).....
Anticline (arrow indicates plunge).....
Syncline (arrow indicates plunge).....
Thrust (approximate or assumed; teeth indicate upthrust side).....
Fault (defined, approximate, assumed).....
Dikes and sills.....
Outcrop.....
Conodont locality.....
Graptolite locality.....
Glacial striae (direction of movement known, unknown) numbers indicate relative age.....
Diamond drill hole.....

MINERAL OCCURENCES (NTS 12A/16)

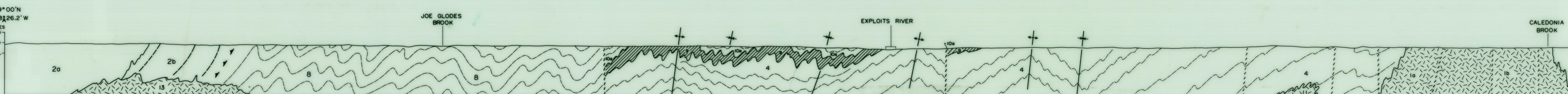
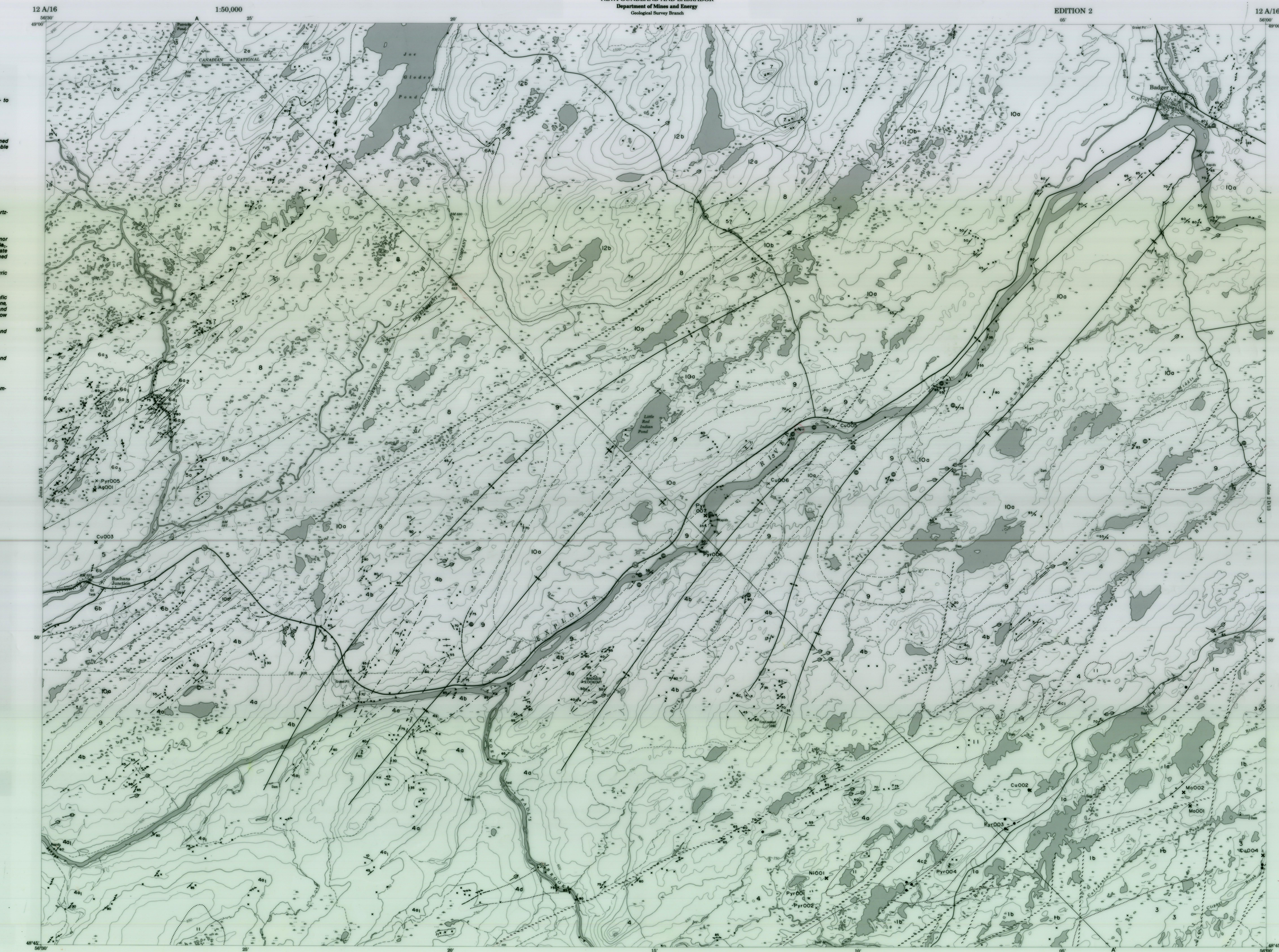
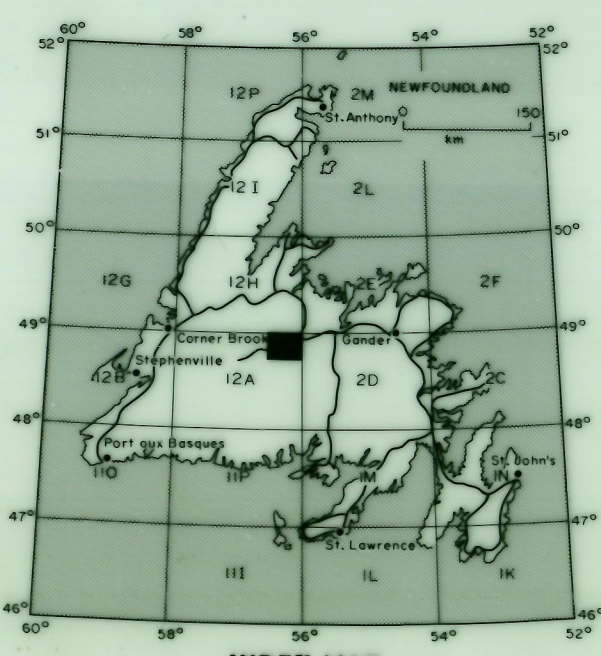
012A/16 Ag 001	Beaver Pond Silver	012A/16 Ag 001
012A/16 Cu 002	Leamonds Lake Northeast	012A/16 Cu 002
012A/16 Cu 003	Three Angels Road Northeast	012A/16 Cu 003
012A/16 Cu 004	Bushers Junction North #1	012A/16 Cu 004
012A/16 Cu 005	Clear Brook Showing	012A/16 Cu 005
012A/16 Cu 006	Mill Lake West-Central	012A/16 Cu 006
012A/16 Cu 007	Black Duck Brook	012A/16 Cu 007
012A/16 Mo 001	Coronation Lake South #1	012A/16 Mo 001
012A/16 Mo 002	Coronation Lake South #2	012A/16 Mo 002
012A/16 Ni 001	Long Tail Pond Southwest #1	012A/16 Ni 001
012A/16 Py 001	Long Tail Pond Southwest #2	012A/16 Py 001
012A/16 Py 002	Long Tail Pond Southwest #3	012A/16 Py 002
012A/16 Py 003	Three Angels Road West	012A/16 Py 003
012A/16 Py 004	Lake of the Woods Road Northeast	012A/16 Py 004
012A/16 Py 005	Indian Falls Southwest	012A/16 Py 005
012A/16 Py 006	Red Indian Falls Pyrite	012A/16 Py 006
012A/16 Py 007	Red Indian Falls Pyrite	012A/16 Py 007

() parentheses indicate that the mineral/commodity is present in minor or trace amounts or indicated by an assay.

COMMODITY ABBREVIATIONS	MINERAL AND ROCK ABBREVIATIONS
Ag Silver	cp chalcopyrite
Au Gold	hem hematite
Cu Copper	mag magnetite
Mo Molybdenum	mal malachite
Ni Nickel	pyr pyrite
	mo molybdenite
	po pyrrhotite
	pl pentlandite
	pyr pyrite

Mineral Occurrence Symbols

- Developed Prospect.....
Prospect.....
Showing.....
Indication.....



OPEN FILE 12A/16/0687

LEGEND

- Numbers refer to rock units and are the same as those used in the map legend
- | | |
|--|----------------------------------|
| Intrusive contacts..... | Fabric related to thrusting..... |
| Bedding (observed and diagrammatic)..... | Fabric related to folding..... |
| Thrust fault (approximate or assumed)..... | Anticline..... |
| Fault..... | Syncline..... |
| Caradocian black shales and slate..... | |
- Horizontal and vertical scales 1:50,000