

LEGEND

- DEVONIAN OR EARLIER**
- NORTH BAY GRANITE (Unit 11)**
- 11 Fine to coarse grained, equigranular to porphyritic, two-mica (biotite > muscovite) granite; 11a, intrusion breccia zone between the North Bay Granite and the Baie d'Espoir Group; large rafts of pelitic to psammitic schist and migmatite alternate with zones of granite that contain variably sized mesodimentary xenoliths.
 - 10 Fine to medium grained, mostly equigranular, two-mica (muscovite > biotite), garnetiferous leucogranite.
- PICCAIRE GRANITE**
- 9 Medium to coarse grained, mostly equigranular, biotite granite to granodiorite.
- GAULTOIS GRANITE**
- 8 Coarse grained, feldspar megacrystic, biotite granite; locally includes zones of fine to medium grained, equigranular, biotite granite.
- MCCALLUM GRANITE**
- 7 Fine to coarse grained, equigranular to feldspar porphyritic, biotite granite to granodiorite that is commonly banded.
- MIDDLE ORDOVICIAN OR EARLIER**
- BAIE D'ESPOIR GROUP (no stratigraphic order implied)**
- Little Passage Gneiss**
- 6 Pelitic, semipelitic and psammitic schist including amphibolite and migmatite; intruded by profuse, concordant, leucogranite veins; 6a, laminated pelite, semipelite, psammitic and amphibolite with minor, fine grained, felsic tuff bands.
- Riches Island Formation**
- 5 Laminated, commonly porphyroblastic, semipelite that locally contains cotecule bands, and thin to thick bedded psammitic; includes minor quartzite and arkosic arenite.
- Ile de la Gaieté Formation (units 1 to 4; stratigraphic order implied)**
- 4 Graphitic pelite, semipelite, thin to thick bedded arkosic arenite, and banded concordant amphibolite; minor felsic crystal tuff, mafic tuff and psammitic; 4a, concordant amphibolite zones with fine grained schistose margins and massive, medium to very coarse grained centres.
 - 3 Mostly black graphitic pelite with minor felsic tuff, amphibolite and arenite.
 - 2 STANLEY COVE MEMBER: felsic volcanics and minor sedimentary rocks. Northern Zone: 2a, fine to coarse grained, felsic, lapilli tuff containing variable amounts of quartz and feldspar crystals, massive ash flow tuffs with minor interflow pelite, minor, fine grained, thinly laminated, felsic tuff with scattered quartz crystals, and minor volcanic conglomerate; 2b, black, graphitic pelite with local zones of sandstone, conglomeration and minor marble; 2c, mostly fine grained felsic tuff with few crystal clasts; minor quartz-rich lapilli tuff, mafic tuff, and volcanic conglomerate. Southern Zone: 2a, fine grained, laminated, felsic, lapilli tuff with scattered quartz and feldspar crystals; locally garnetiferous; 2b, graphitic pelite, richly garnetiferous; 2c, recrystallized, locally garnetiferous, felsic tuff; intruded by a profusion of concordant leucogranite veins (50% or more of outcrop area of 2c) in the area west of Manuel Arm, consisting of muscovite-rich, garnetiferous, pegmatite and apatite.
 - 1 Gray to black laminated pelite, commonly garnetiferous, with interbedded, minor, fine grained, felsic tuff; 1a, fine grained felsic tuff and sericite phyllite.

SYMBOLS

- Geological contact (defined, approximate, assumed, gradational)
- Bedding, tops known (inclined, overturned)
- Bedding, tops unknown (inclined, vertical)
- Overturned F₁ anticline (defined, approximate, assumed)
- Overturned F₁ syncline (defined, approximate, assumed)
- F₁ antiform (defined)
- F₁ synform (defined)
- Main, penetrative foliation: S₁ (horizontal, inclined, vertical)
- Mylonitic foliation (inclined)
- Migmatitic banding (inclined)
- Crenulation cleavage to composite foliation in Baie d'Espoir Group; weak fracture cleavage in granitoids: S₂ (inclined, vertical)
- Biotite alignment in granitoid (inclined, vertical)
- Banding in granite (inclined, vertical)
- Mineral lineation
- Boudin axis
- Minor F₁ fold axis (sense of vergence observed looking along arrow)
- Minor F₂ fold axis (sense of vergence observed looking along arrow)
- Mylonite zone
- Fault (defined, approximate, assumed)
- Thrust fault (defined)
- Shear fabric (inclined)
- Mineral showing

MINERAL OCCURRENCES

- Pyrite py
- Chalcopyrite cp
- Sphalerite sp
- Galena gn
- Pyrrhotite po

Geology by R. Frank Blackwood; field assistance was provided by Morris J. West.

Geological cartography by Drafting Section, 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, P.O. Box 4700, St. John's, Newfoundland, A1C 5T7.

Base map of same scale published by the Surveys and Mapping Branch, Department of Energy, Mines and Resources, Ottawa, 1972.

Elevations in feet above mean sea level.

Approximate magnetic declination, 1985, for centre of map, 26°50' west, decreasing 2.6' annually.

This project is a contribution to the Canada Newfoundland Co-operative Mineral Program 1982-84. Project carried out by Newfoundland Department of Mines and Energy.

