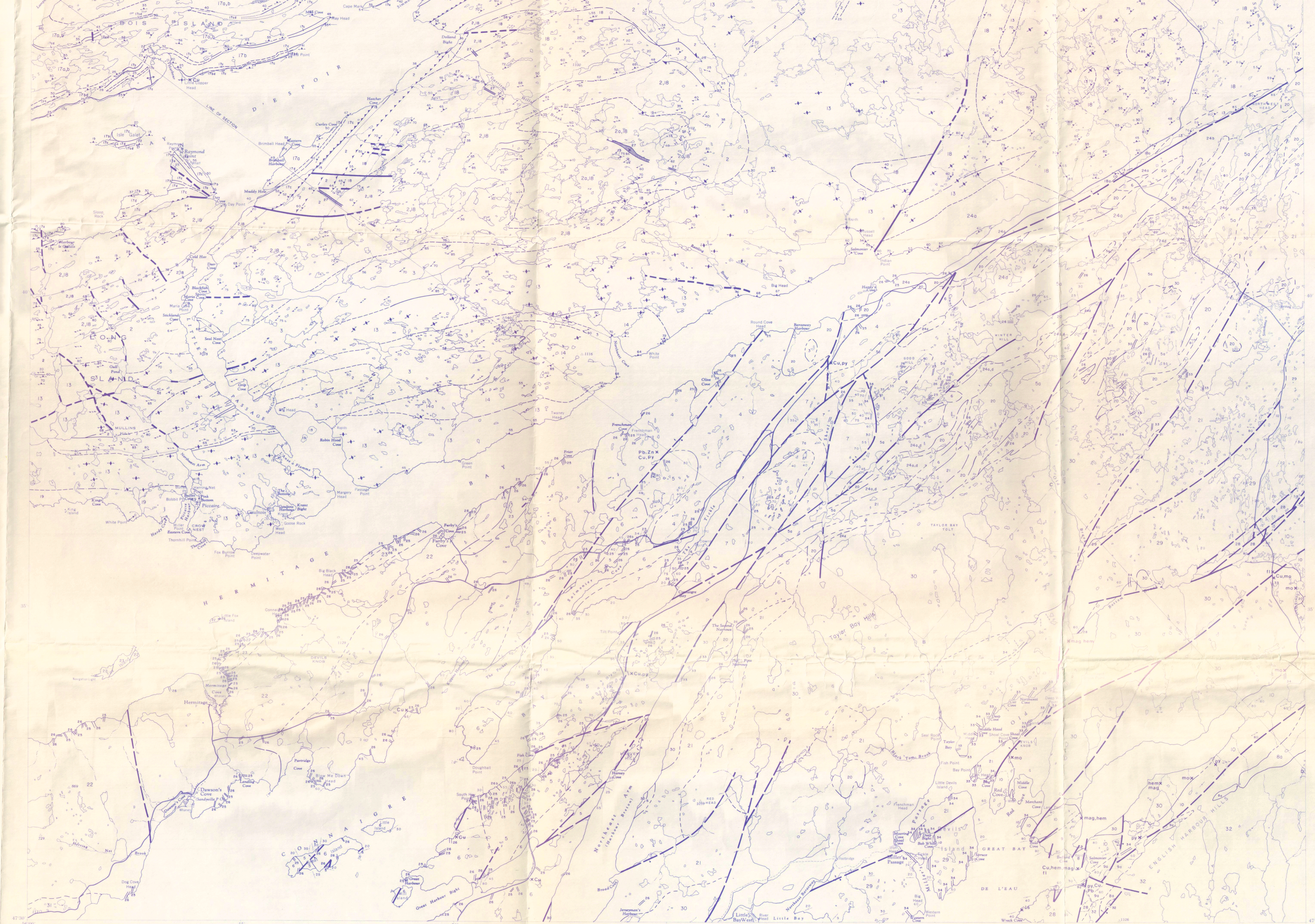


- DEVONIAN OR LATER**
- 34 Feluc dikes, pink to orange, porphyritic and aphanitic.
- DEVONIAN OR CARBONIFEROUS**
- 32 Belleoram Granite: Medium to coarse grained, gray to pink granite, with numerous small dark inclusions.
- 31 Pass Island Granite: Medium to coarse grained, pink hornblende biotite granite.
- 30 Harbour Breton Granite: Medium to coarse grained, pink, alaskitic granite; 30a, medium to coarse grained, pink, porphyritic, biotite granite.
- DEVONIAN OR LOWER CARBONIFEROUS**
- 29 Pools Cove Formation: Red arkose, red shale, and red to gray, pebble to boulder conglomerate.
- 28 Cinq Isles Formation: Red micaceous, cross-bedded sandstone, red argillite, quartz pebble conglomerate, and red and gray micritic limestone.
- ORDOVICIAN OR LATER**
- 27 Quartz veins
- ORDOVICIAN (?)**
- 24 Straddling Granite: 24a, Medium grained, pink to orange, alaskitic granite; 24b, orange pink hornblende-biotite granite, may include some Harbour Breton Granite; 24c, buff to gray granodiorite; 24d, fine grained, massive, pink to purple felsite.
- ORDOVICIAN (?)**
- 26 Feluc dikes, pink, fine grained to aphanitic.
- 25 Diabase dikes, fine to medium grained, equigranular.
- 23 Furby's Cove Granite: Medium grained, pink, hornblende-biotite granite.
- 22 Grole Diorite: Dark gray quartz diorite to diorite with volcanic derived hornfels inclusions, medium to coarse grained, black, hornblende-pyroxene gabbro, numerous mafic and silicic dikes.
- 21 Simmons Brook Batholith: Medium grained, equigranular, altered, hornblende biotite granodiorite; includes some porphyritic, pink to red, alaskitic and hornblende biotite granite.
- 20 Fine to medium grained, dark gray to green diorite, medium to coarse grained hornblende-pyroxene gabbro.
- MIDDLE ORDOVICIAN**
- Baie D'Espoir Group
- 17 Isle Galet Formation: 17a, Sempelitic schist and phyllite; 17b, graphitic schist; 17c, felsic igneous rocks; 17d, mafic igneous rocks.
- 16 Riches Island Formation: Sempelitic schist and phyllite with minor graphitic schist and quartzite.
- ORDOVICIAN OR EARLIER**
- 15 Diabase and dacite dikes.
- 14 Northwest Cove Granite: Foliated, pink, medium grained, equigranular, muscovite granite; 14a, muscovite and biotite granite.
- 13 Gaultois Granite: Foliated, microcline megacrystic, biotite granite.
- 12 Seal Nest Cove Tonalite: Fine grained, biotite tonalite, with plagioclase phenocrysts.
- CAMBRIAN**
- 11 Salmonier Cove Formation: Black, fissile shales with minor fine grained gray sandstone.
- CAMBRIAN OR EARLIER**
- 10 Chapel Island Formation: Interbedded gray micaceous argillite and fine grained gray sandstone; mainly hornfels.
- PRECAMBRIAN (?)**
- Long Harbour Group
- 9 Rencontre Formation: Medium to coarse grained, pink to purple, cross bedded sandstone and pebble conglomerate, with interbedded red micaceous sandstone and siltstone; 9a, contact metamorphosed, dark gray, thinly bedded argillite and sandstone; minor quartz pebble conglomerate and hornfels.
- 8 Pink, flow banded, auto-brecciated rhyolite, gray to green mafic tuffs, red agglomerate; 8a, fine grained, dense, gray hornfels, probably derived largely from mafic volcanic rocks.
- Cannaiga Bay Group (May be in part or entirely equivalent to Units 8-9)
- 7 Downs Point Formation: Red to purple, graded and cross-bedded sandstone and pebble to cobble conglomerate; red, thinly laminated argillite; 7a, pink to purple, massive rhyolite and silicic tuff.
- 6 Doughball Point Formation: Gray to green massive andesite and basalt; green, fine to coarse, mafic tuff and agglomerate; minor interbedded silicic flows and tuff.
- 5 Sam Head Formation: Laminated, gray and green argillite, with purple conglomerate and shale at the base and rare limestone lenses; 5a, interbedded mafic tuff and thinly bedded tuffaceous sedimentary rocks.
- 4 Tickle Point Formation: Purple to pink, massive, flow banded and auto-brecciated rhyolite; interbedded massive green andesite and basalt.
- PRECAMBRIAN (?)**
- Little Passage Gneisses
- 3 Tonalitic orthogneiss.
- 2 Fine to coarse grained psammitic and semipelitic gneiss; 2a, coarse grained gneiss, where separated.
- 1 Amphibolitic gneiss, where separated.



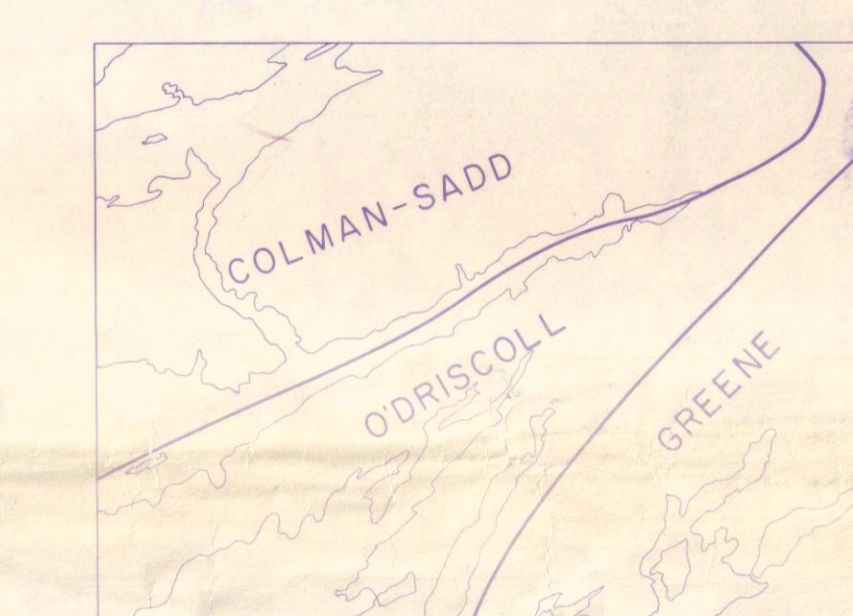
**MAP 79-104
GAULTOIS
NEWFOUNDLAND**

Scale 1:50,000 Échelle

Miles 0 1 2
Metres 1000 2000 3000 4000
Yards 1000 2000 3000 4000

- SYMBOLS**
- Geological boundary (defined, approximate, assumed, gradational)
- Bedding, tops known (horizontal, inclined, vertical, overturned)
- Bedding, tops unknown (horizontal, inclined, vertical)
- Orientation of granite sills (horizontal, inclined)
- Schistosity, cleavage, foliation; Gander Zone (horizontal, inclined, vertical)
- Schistosity, cleavage, foliation; Avalon Zone (horizontal, inclined, vertical)
- Gneissic foliation (horizontal, inclined, vertical)
- Gneissic foliation, general trend (inclined)
- Gneissic banding (horizontal, inclined, vertical)
- Lineation (horizontal, inclined)
- Axis of minor fold (horizontal, inclined)
- Anticline (arrow indicates plunge)
- Syncline (arrow indicates plunge)
- Antiform
- Structural trends from aerial photographs (cross ticks indicate correlation)
- Fault (defined, approximate, assumed; arrow in direction of dip; solid circle is on downthrown side)
- Thrust fault (defined, approximate, assumed; teeth in direction of dip)
- Quartz vein or stockwork
- Dike
- Fossil locality
- Mineral occurrence
- Abbreviations**
- | | |
|-------------|-----|
| Copper | Cu |
| Fluorite | fl |
| Hematite | hem |
| Limestone | ls |
| Magnetite | mag |
| Molybdenite | mo |
| Pyrite | py |
| Lead | Pb |
| Silica | sc |
| Zinc | Zn |

Geology by S.P. Cotman Sudd (1971, 1972, 1976, 1977), B.A. Greene (1975), and G.F. O'Driscoll (1975); areas of responsibility are indicated on the map



Geological cartography by Mineral Development Division, Department of Mines and Energy, Government of Newfoundland and Labrador.

Copies may be obtained from the Publications and Information Section, Mineral Development Division, Department of Mines and Energy, P.O. Box 4750, St. John's, Newfoundland A1C 5T7.

Base map at same scale published by Surveys and Mapping Branch, Department of Energy, Mines and Resources, Ottawa, 1971.

Roads updated to 1977 by Mineral Development Division, Department of Mines and Energy, St. John's, Newfoundland.

Elevations in feet above mean sea level

Approximate magnetic declination, 1969, 28° 29' west, decreasing 2.7' annually.

