

1:50,000

- LEGEND**
- DEVONIAN**
- 21 Leucogranite; medium to fine grained equigranular granite, contains minor muscovite and garnet
  - 20 CHETWYND GRANITE: 20a, Coarse grained, equigranular, biotite granite, with rapakivi phases; 20b, rhyolite porphyry dikes
  - 19 Porphyritic granite and diorite; 19a, porphyritic granite, granodiorite; 19b, porphyritic (feldspar) monzoniorite, quartz diorite
  - 16 BILLIARDS BROOK FORMATION: 16a, Mafic flows; 16b, chlorite-sericite-quartz-carbonate schists with minor limestone and pyroclastic beds; 16c, siliceous pyroclastic rocks, associated with coarse quartzitic sandstone and minor quartz porphyry; 16d, agglomerate breccia; 16e, interbedded quartzitic siltstone-sandstone-mudstone-conglomerate; 16f, granite porphyry boulder conglomerate
  - 15 Fine grained alkalic granite; 15a, Nitzy Gritty Brook Granite; 15b, granite dikes
  - 14 Quartz gabbro, diabase
- DEVONIAN OR EARLIER**
- 13 LA POILE BATHOLITH: 13a, Porphyritic granodiorite, granite; 13b, aplite; 13c, pegmatite
- PRE-DEVONIAN**
- 12 ROSE BLANCHE GRANITE: Foliated, equigranular tonalite, granodiorite, granite; 12a, garnetiferous two-mica granite; 12b, tonalite, granodiorite; 12c, garnet-muscovite granite; 12d, pegmatite
  - 11 NORTHERN GRANITE: Foliated equigranular tonalite, trondhjemite, granodiorite
- LATE SILURIAN OR EARLY DEVONIAN**
- 10 HAWKS NEST POND PORPHYRY: Porphyritic microgranite
- ORDOVICIAN**
- LA POILE GROUP (18-9)**
- 9 ROTI GRANITE: 9a, Equigranular granodiorite, granite
  - 8 GEORGES BROOK FORMATION: 8a, Felsic volcanic and pyroclastic rocks; 8b, sedimentary rocks; 8c, mainly mafic flows, pyroclastic rocks, dikes intruding sedimentary and felsic volcanic rocks
  - 7 DOLMAN FORMATION (LA POILE ? OR BAY DU NORD ? GROUP): 7a, felsic pyroclastic rocks; 7b, porphyritic microgranite; 7c, undivided felsic to intermediate schist
  - 6 Metadiabase dikes
  - 5 BAGGS HILL GRANITE: 5a, Foliated, equigranular granite and granodiorite; 5b, granophyre, quartz porphyry, quartz-feldspar porphyry
  - 4 PIGLET BROOK RHYOLITE: Pink rhyolite
  - 3 BAY DU NORD GROUP: 3a, Semisalic schist; 3b, tuffaceous metapelite, unconsolidated tuff and agglomerate; 3c, felsic volcanic rocks, rhyolite, welded tuff, agglomerate; 3d, amphibolite; 3e, polymictic conglomerate; 3f, injected metasedimentary rocks; 3g, laminated phyllite, graphitic schist
  - 2 Metagabbro, metapyroxenite
  - 1 KEEPINGS GNEISS: 1a, Felsic paragneiss and schist, migmatite; 1b, orthogneiss; 1c, amphibolite

**SYMBOLS**

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|--|--|
| Drift covered area   | Strain-slip cleavage (inclined, vertical, dip unknown)                               |
| Geological boundary (defined, approximate, assumed)                                  | Shearing and dip (inclined, vertical)  |
| Geological boundary (gradational)  | Gneissic foliation (inclined, vertical)  |
| Bedding, tops known (inclined, vertical, overturned)                                 | Lineation (horizontal, inclined, vertical)   |
| Bedding, tops unknown (inclined, vertical)   | Type of lineation denoted by letter:   |
| Primary igneous layering, tops unknown (inclined, vertical)                          | Mineral lineation  |
| Schistosity, cleavage, foliation, dip indicated:                                     | S-intersection   |
| Schistosity of unknown age (inclined, vertical)                                      | Deformed clasts  |
| S <sub>1</sub>   | Rodding, mullion structure   |
| S <sub>2</sub>   | Metamorphic aggregates   |
| S <sub>3</sub>   | Lineament, shear zone, displacement not demonstrated (defined, approximate, assumed) |
| Axes of minor folds, unknown age (horizontal, inclined, vertical)                    | Fault (solid circle indicates down throw side, arrows indicate relative movement)    |
| F <sub>1</sub>   | Fault zone, shear zone (width indicated)   |
| F <sub>2</sub>   | Joint (horizontal, inclined, vertical)   |
| F <sub>3</sub>   | Diamond drill holes  |
| Sense of vergence of minor folds, read along arrow (dextral, sinistral, symmetrical) | Mineral prospect, mineral occurrence   |
| Dip or plunge estimate for foliation, lineation etc. (gentle, moderate, steep)       | Fossil occurrence  |
|  | Metallic mineral showing (copper, zinc)  |
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- MINERAL ABBREVIATIONS**
- |             |     |                         |     |
|-------------|-----|-------------------------|-----|
| Pegmatite   | p   | Anthophyllite (gedrite) | ay  |
| Pyrite      | py  | Arsenopyrite            | asp |
| Sillimanite | sil | Chalcopyrite            | cp  |
| Staurolite  | st  | Fluorite                | fl  |
| Sulphides   | s   | Diopside (salite)       | dp  |
| Tourmaline  | tl  | Kyanite                 | ky  |

Geology by Lesley Chorlton, 1979, open file release November 1979.

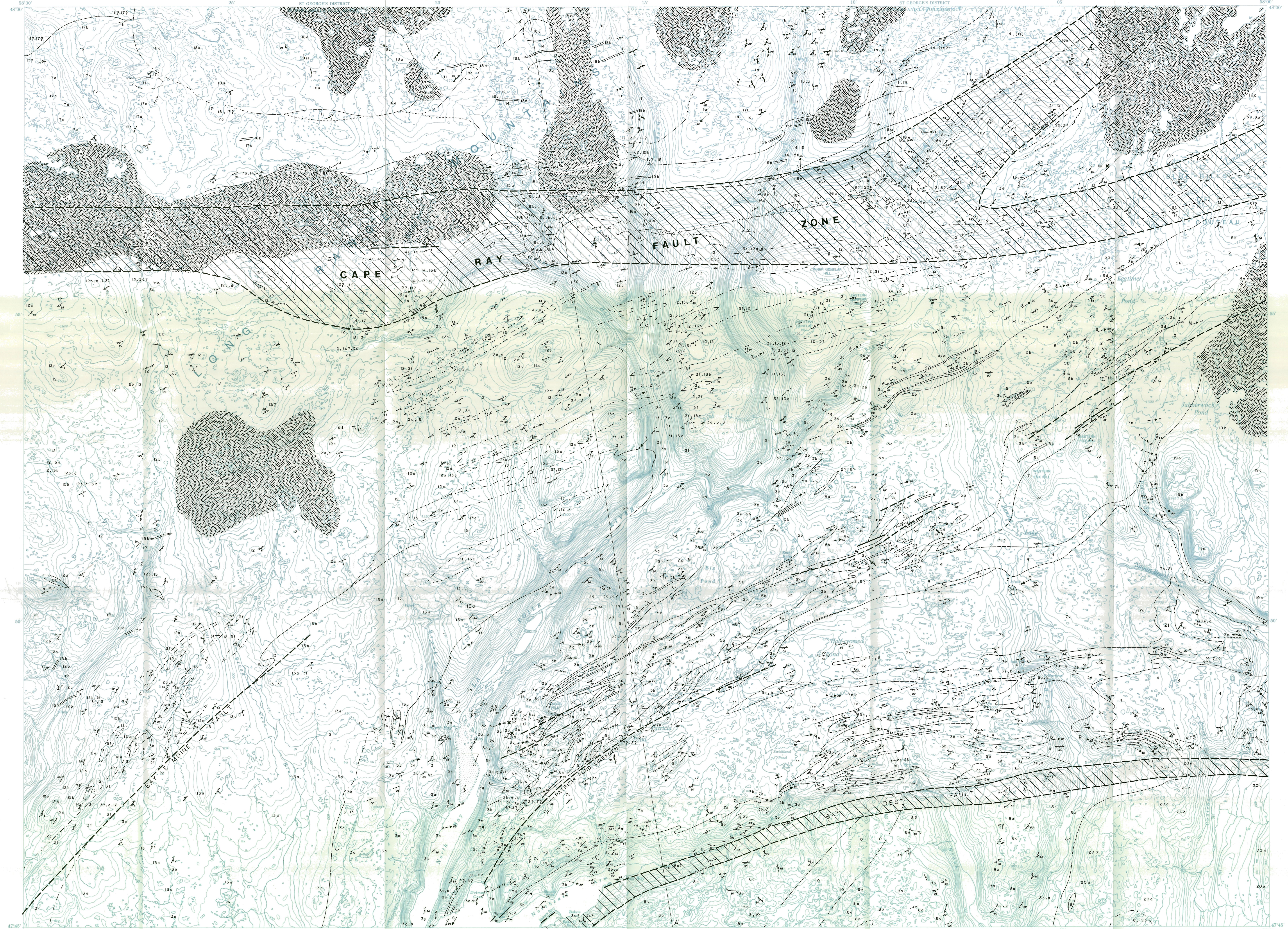
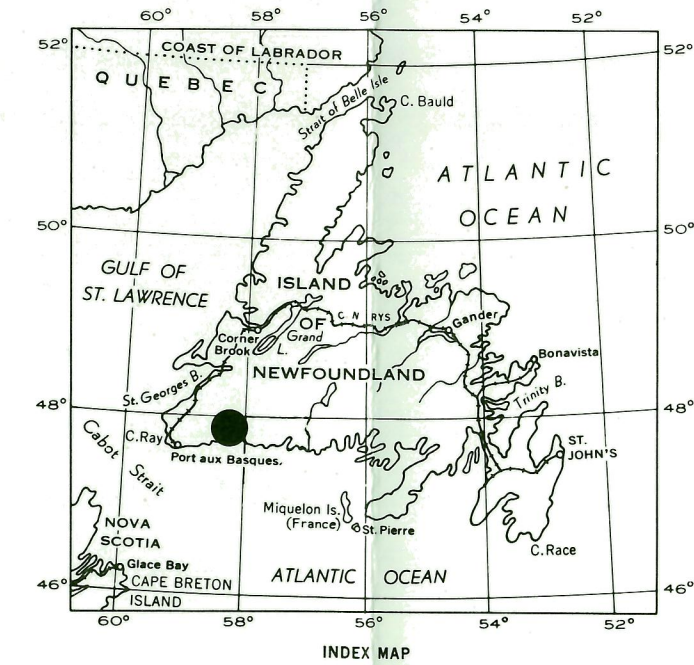
Geological cartography by Mineral Development Division, Department of Mines and Energy, Government of Newfoundland and Labrador.

Copies may be obtained from the Publications and Information Section, Department of Mines and Energy, P.O. Box 4750, St. John's, Newfoundland, A1C 8T7

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

Approximate magnetic declination, 1972, for centre of map, 28° 03' west of true north, decreasing 2.6' annually.

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**MAP 79-124**  
**LA POILE RIVER**  
BURGO AND LA POILE DISTRICT  
NEWFOUNDLAND



CONTROLLER GENERAL'S OFFICE  
Quebec, 1981  
Newfoundland and Labrador  
Territorial Division of Lands and Resources

NOTE: See reverse side for cross section