

**LEGEND**

**AUTOCHTHONOUS ROCKS**

**ORDOVICIAN**

**ST. GEORGE GROUP (LOWER ORDOVICIAN)**

10M - Boat Harbour Formation: interbedded, dark to light gray, dolomitic limestone and buff dolomite, crystalline limestone; dolomitization common throughout; widely preserved chert and matrix breccia bodies (10M) especially at base.

10N - Water Night Formation: dark gray to black, thick bedded fine to medium crystalline dolomite characterized by light gray to cream color weathering, and large crystalline masses, chert, dolerite, thin beds of buff weathering, microcrystalline dolomite, gastropods and cephalopods locally.

**CAMBRIAN**

**PORT AU PORT GROUP (MIDDLE TO LATE CAMBRIAN)**

Late Cambrian

10P2-B - undivided Petit Jardin Formation - Berry Head Formation.

10P2 - Petit Jardin Formation: unbedded yellow, buff to white weathering, to light gray green, microcrystalline to finely crystalline dolomite.

10P2.1 - lower dolomite member - thickly bedded dolomites, with interbedded green, gray and locally red dolomitic shale (10P) and some stromatolitic dolomite.

10P2.2 - middle dolomite member - stromatolitic dolomite, some stromatolitic dolomite, irregularly doleritic, shaly bedded dolomites; some green, red and gray shale (10P) (not present in map area).

10P2.3 - upper dolomite member - thickly and thinly bedded, light gray dolomite, some dark gray dolomite, minor stromatolitic dolomite, some shale interbeds.

10P2.4 - cherry dolomite member (to be called Berry Head formation, 10P2.4) - thickly to thinly bedded, buff to white weathering, light gray to dark gray dolomite with chert common, stromatolitic dolomite common, large masses of dark gray to black stromatolitic dolomite locally at the base.

Late Middle Cambrian

10P - March Point Formation: dark gray, argillaceous dolomite, argillaceous parted limestone, micaceous and fossiliferous limestone, siliceous shale intercalated with thin sandstones, dolomites and intraterrigenous conglomerates at base.

**LABRADOR GROUP (EARLY TO LATE MIDDLE CAMBRIAN)**

15B - Snake Bay Formation: white quartz arenites, rusty weathering, argillaceous sandstone, glauconitic and phosphatic sandstone, black calcareous mudstone, shale.

15F - Forteau Formation: undivided limestone, shale and sandstone.

15F.1 - lower shale member - basal pink to gray, nodular to massive shaly limestone and dolomitic limestone overlain by gray to black, fossiliferous shale with minor thin limestone and capped by interbedded gray shale and bivalved, fossiliferous, argillaceous limestone and fine sandstone.

15F.2 - upper limestone member - gray to red, archaeozooid, renal limestones and graptolites with some shales and sandstones, overlain by sandy limestone. Many stromatolitic and fossiliferous, stromatolitic limestones and some fossiliferous gray shale and sandstone.

15A - Bradore Formation: red, arkosic sandstones and pebbly sandstones and gray and pinkish gray, micaceous sandstones and siltstones.

**UNCONFORMITY**

**PRECAMBRIAN**

PE or - Pink to red, micaceous, fine to coarse grained crystalline granite, locally with veins of quartzite schist, banded quartz-feldspathic gneiss and hornblende-biotite-quartz gneiss.

**SYMBOLS**

Unconformity.....

Geological boundary (defined, approximate, assumed).....

Fault (defined, approximate, assumed).....

Dip of fault plane.....

Downthrow of fault.....

Bedding, tops known (inclined, horizontal).....

Continuity.....

Joint (vertical, inclined).....

Lineament (from aerial photography).....

Fold axis (anticline, syncline).....

Breccia.....

Fossils.....

Mineral occurrence.....

Malachite..... ml

Pyrite..... py

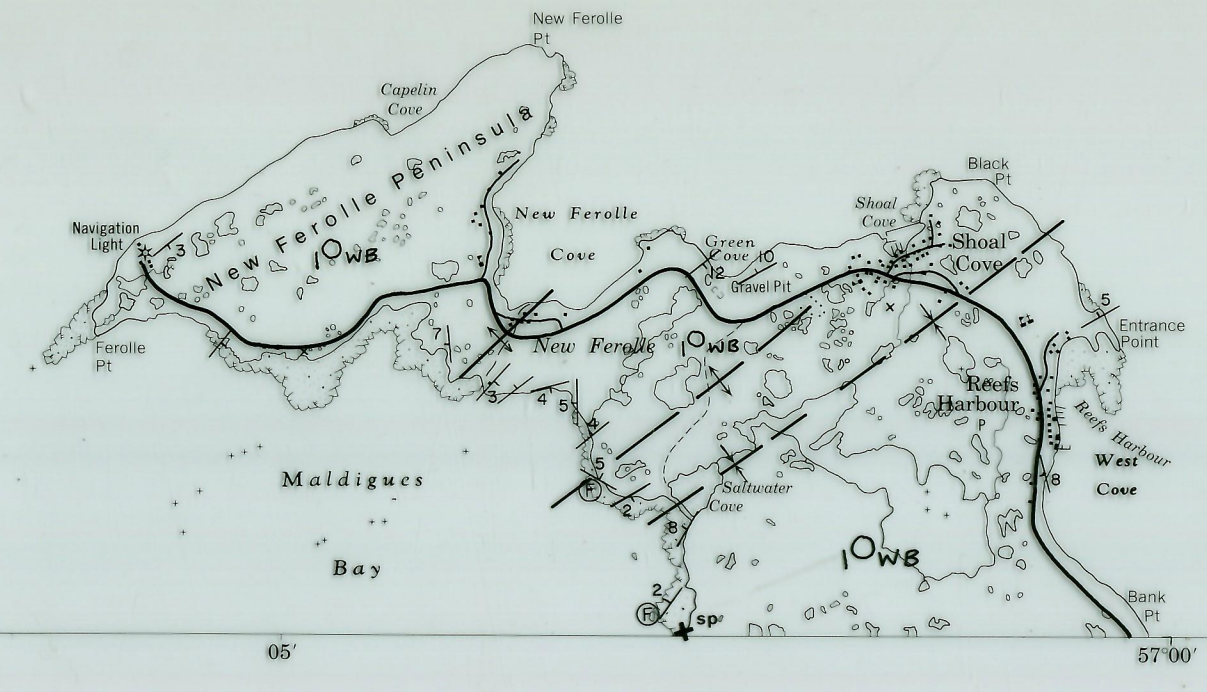
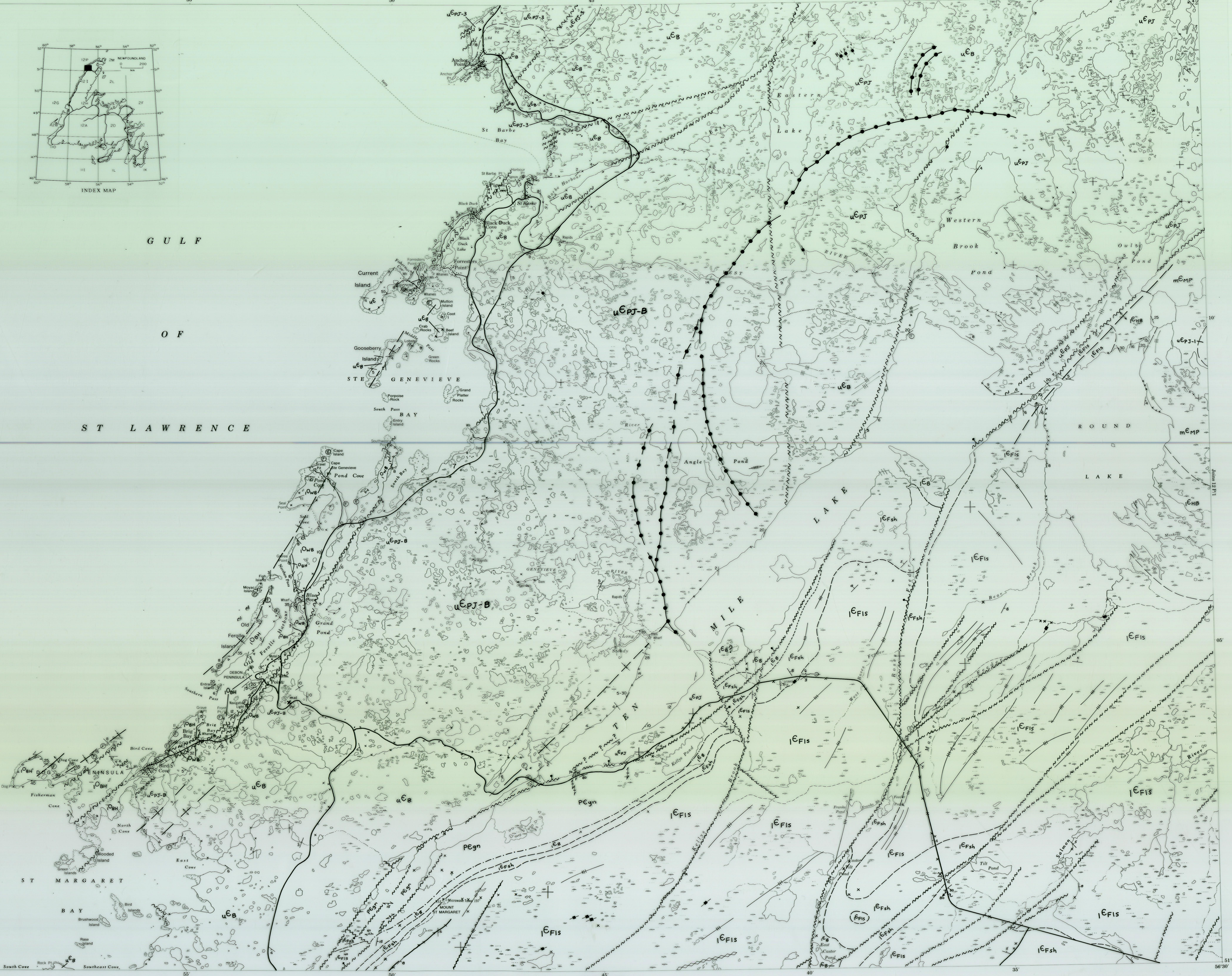
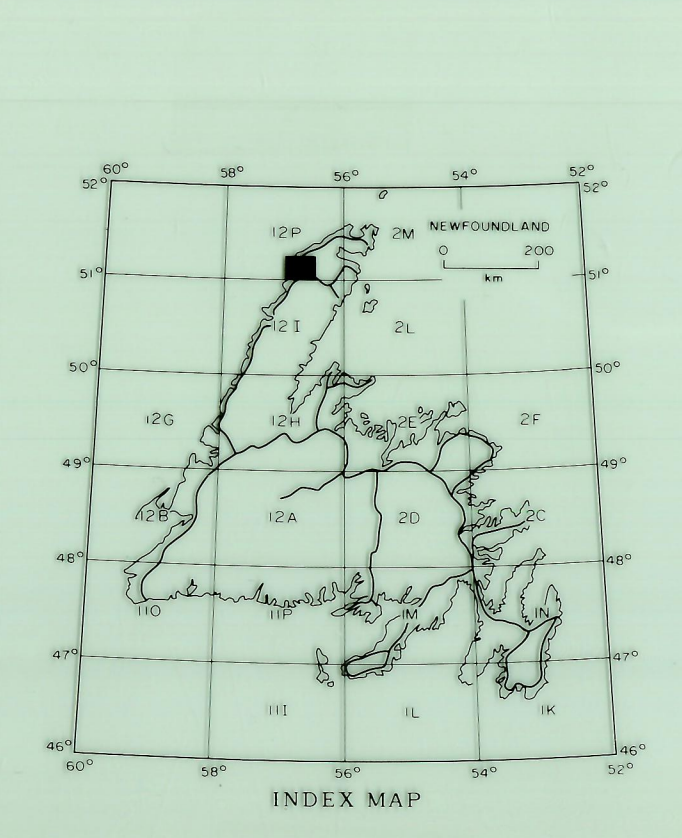
Sphalerite..... sp

Outcrop, area of outcrop.....

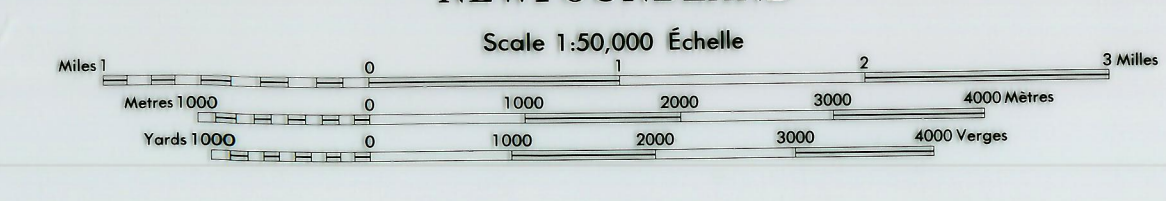
Edgar (direction of flow unknown).....

Workline (defined, discontinuous).....

Geology by G. Snow, 1978, P. DeLaney, 1981, compiled by I. Knight, 1986.  
Description of units given in Reports 77-8, 77-1, 84-1 Newfoundland Department of Mines and Energy.  
This preliminary map may be subject to revision and correction.  
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, P.O. Box 4750, St. John's, Newfoundland A1C 5J7.  
See map at same scale published by Survey and Mapping Branch, Department of Energy, Mines and Resources.  
Elevation in feet above sea level.  
This project was financed under two Canada/Newfoundland Mineral Development Subsidary Agreements, 1977-1980 and 1980-1981.



MAP 86-29  
**BRIG BAY**  
ST BARBE NORTH DISTRICT  
NEWFOUNDLAND



12 P / 61