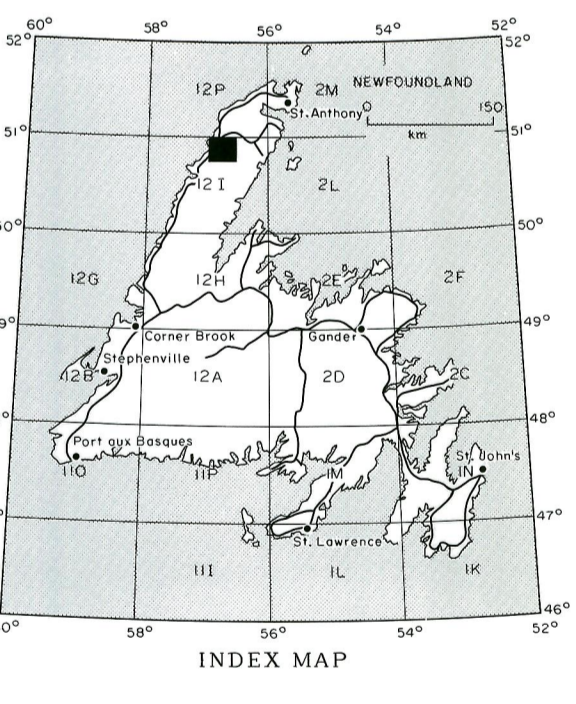


GEOLOGICAL SURVEY BRANCH
DEPARTMENT OF MINES AND ENERGY
GOVERNMENT OF NEWFOUNDLAND AND LABRADOR



Geology by I. Knight, 1982 and 1985; P. Delaney, 1985.
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 8700, St. John's, Newfoundland, A1B 4J6.
Base map at same scale published by Surveys 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 Subsidiary Agreements, 1982-1983 and 1984-1989.

LEGEND

AUTOCHTHONOUS ROCKS

EARLY ORDOVICIAN

ST. GEORGE GROUP

- IOBH BOAT HARBOUR FORMATION: interbedded, dark to light grey, dolomitic limestone and buff dolostone, microbial limestone; dolomitization common throughout; widely preserved chert and matrix breccia bodies especially at base (IOBHr)
- IOWB WATTS BIGHT FORMATION: dark grey to black, thick bedded, fine- to medium-crystalline dolostone characterized by light grey to cream mottling, and large microbial mounds, chert, dolarenite, thin beds of buff weathering, microcrystalline dolostone, gastropods and cephalopods locally

MIDDLE TO LATE CAMBRIAN

PORT AU PORT GROUP

Late Cambrian

- UCB BERRY HEAD FORMATION: thick to thin bedded, buff to white weathering, light- to dark-grey dolostone associated with chert common, stromatolitic dolostone common; large mounds of dark-grey to black stromatolitic dolostone locally at the base
- UCPJ PETIT JARDIN FORMATION: undivided yellow, buff to white weathering, light-grey to grey, microcrystalline to finely crystalline dolostone

Late Middle Cambrian

- MARCH POINT FORMATION: not present in area

EARLY ? TO LATE EARLY CAMBRIAN

LABRADOR GROUP

- ICHB HAWKE BAY FORMATION: white quartz arenite, rusty weathering, argillaceous sandstone, glauconitic and phosphatic sandstone, black calcareous mudstone-shale
- ICF FORTEAU FORMATION: undivided limestone, shale and sandstone: Fsh lower shale member-basal pink to grey, nodular to massive shaly limestone and dolomitic limestone overlain by grey to black, fossiliferous shale with minor thin limestone and capped by interbedded grey shale and bioturbated, fossiliferous, argillaceous limestone and fine sandstone; F1s upper limestone member-grey to red, archeocyathid, reeal limestone and grainstone with some shale and sandstone, overlain by sandy limestone, oncoid and fossiliferous, oolitic black limestone and some fossiliferous grey shale and sandstone
- ICB BRADORE FORMATION: red, arkosic sandstone and pebbly sandstone and grey and pinkish grey, micaceous sandstone and siltstone

UNCONFORMITY

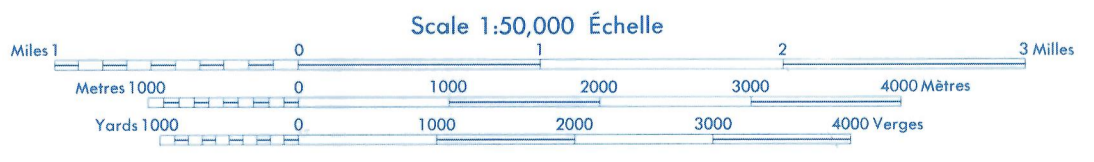
PRECAMBRIAN

- PC Pink to red, micaceous, fine- to coarse-grained granite, locally with rafts of quartz-mica schist; gn-banded quartzofeldspathic gneiss and hornblende-biotite-quartz gneiss

SYMBOLS

- Bedding (inclined, horizontal, vertical, overturned).....
- Bedding (tops unknown).....
- Cleavage, gneissosity.....
- Syncline, anticline, overturned.....
- Unconformity, disconformity.....
- Formational boundary (defined, approximate, assumed).....
- Fault (defined approximate, assumed).....
- Fault (dip, downthrow).....
- Lineations from air photos.....
- Fossil.....
- Mineral showing.....
- Pyrite.....
- Outcrop (may be broken in place).....
- Areas of rubble outcrop.....
- Esker (direction of flow unknown).....
- Roadstone quarry.....

CASTORS RIVER NEWFOUNDLAND



MAP 91-173

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This Physical Map is equivalent to a standard map in accuracy of content.
Some names on this map are not yet official. Corrections or additions are invited by the Surveys and Mapping Branch.
CONTOUR INTERVAL: 50 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1983
Transverse Mercator Projection

Published 1992