

LEGEND

ALLOCTHONOUS ROCKS

CAMBRIAN - EARLY ORDOVICIAN

E7-10NA - Northwest Arm Formation: pyritiferous, green and black shale, gray and black bedded chert, gray limestone including limestone breccia, calcarenite, calcisiltite, thinly bedded ribbon limestone and shale, gray sandstone and thick dark gray, locally gritty, sandstone, intra-clastic conglomerate composed of intraformational lithoclasts; the formation was disarticulated during emplacement.

AUTOCHTHONOUS ROCKS

ORDOVICIAN

MOGT - Goose Tickle Formation: dark gray shale, green gray sandstone, yellow weathering lime turbidite, slump breccia, shale-pebble conglomerate composed of green and black shale intraclasts. Qty - melange in Goose Tickle strata

TABLE HEAD GROUP (MIDDLE ORDOVICIAN)

MOCC - Cape Cormorant Formation: limestone breccia of limestone, shale and rare sandstone lithoclasts set in a shale matrix, overlain by calcirudite and calcarenite. The basal breccia is not everywhere present and is variable in thickness.

MOBC - Black Cove Formation: black, graptolitic, pyritiferous shale, limestone concretions.

MOFP - Table Point Formation:
TP-1 - Basal cyclic dark gray, argillaceous, nodular thin bedded limestone and laminated dolomitic limestone or dolostone, locally basal conglomerate of dolostone, chert and limestone lithoclasts;
TP-2 - light gray to white, dominantly fenestral limestone. Locally includes sponge-rich limestone, brachiopod-crinoid coquinas and parted dolomitic limestone;
TP-3 - dark gray, thickly bedded, fossiliferous limestone characterized by argillaceous seams, beds of grainstone locally; the top of the formation is composed of crinoid-trilobite-brachiopod grainstone-packstone and is fractured with shale infilling fissures; in the eastern thrust slices, the top of the formation is probably eroded and is encrusted by siliceous carbonate cement;
TPgr - Limestone breccia formed essentially in place, locally intercalated with Black Cove shales.

ST. GEORGE GROUP (LOWER TO MIDDLE ORDOVICIAN)

1-MFA Agathana Formation: light gray to gray dolostones with chert common, interbedded with light gray cryptalgal limestone; variable in thickness and locally absent.

10C - Catoche Formation Undivided: **10C_{1a}** - well bedded, burrowed and cryptalgal, fossiliferous limestone replaced by secondary dolostone (**10C_g**); **10C_{1b}** - basal member of burrowed, fossiliferous dark gray limestone with some mounds; **10C₂** - mound member of large cryptalgal sponge mounds with grainstones and minor burrowed limestone; **10C₃** - upper burrowed limestone member of thickly bedded, burrow mottled limestone, includes some grainy limestone, and rare mounds; **10C₄** - white limestone member of peloidal grainstone, fenestral limestone, cryptalgal mounds; locally brecciated and penetrated by dolostone-filled fractures and cavities below Agathana; apparently absent locally due to erosion.

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

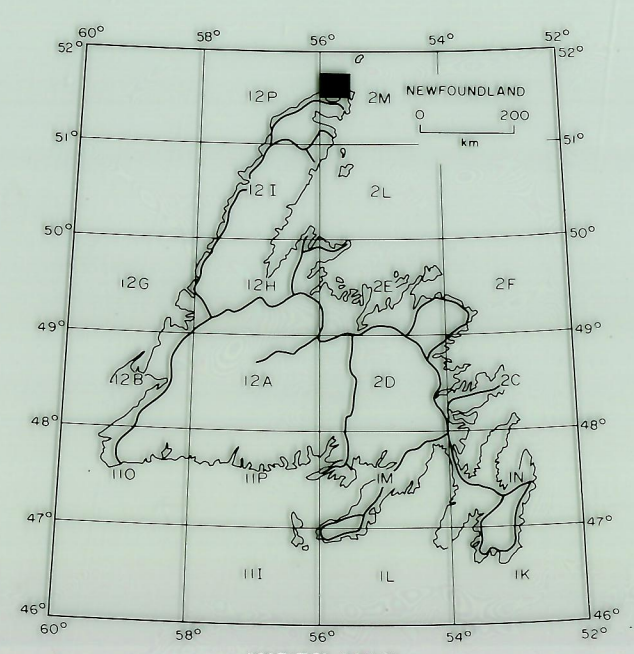
10WB - Watts Right Formation: dark gray to black, thick-bedded fine to medium crystalline dolostone characterized by light gray to cream color mottling, large cryptalgal mounds, and thin interbeds of laminated dolostone or dolarenite, chert, silicified molluscs locally.

SYMBOLS

- Bedding (inclined, horizontal, vertical, overturned)..... / / / /
- Bedding (tops unknown)..... / / / /
- Cleavage..... / / / /
- Syncline, anticline, overturned..... + + + +
- Unconformity, disconformity..... - - - -
- Formational boundary (defined, approximate, assumed)..... - - - -
- Fault, (defined approximate, assumed)..... - - - -
- Fault, (dip, downthrow)..... - - - -
- Thrust fault, (approximate)..... - - - -
- Lineations from air photos..... - - - -
- Mineral showing..... X Sp, Py, Ga
- Pyrite..... Py
- Sphalerite..... Sp
- Galena..... Ga
- Outcrop (may be broken in place)..... x
- Areas of rubble outcrop..... x
- Roadstone quarry..... X

Geology by I. Knight and J. Edwards (1977), Knight, 1985.
Description of units given in Reports 77-6, 77-1, and 86-1 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 5T7.
Base map at same scale published by Surveys and Mapping Branch, Department of Energy, Mines and Resources.
Elevation in feet above sea level.

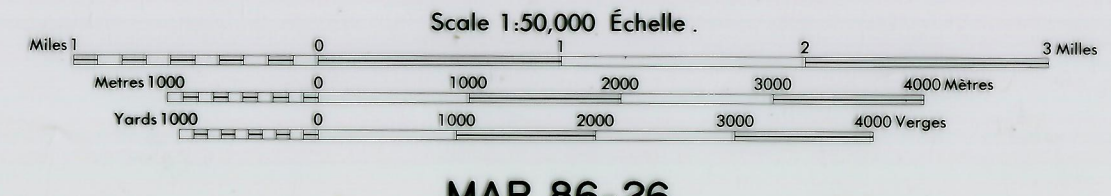
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S T R A I T O F B E L L E I S L E



RALEIGH
NEWFOUNDLAND



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