



GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

LEGEND

- CARBONIFEROUS
- MISSISSIPPIAN AND PENNSYLVANIAN
- SEARSTON BEDS AND BARACHOIS GROUP
- 12 Maroon and grey-brown sandstone, siltstone, and conglomerate; minor limestone, coal, chert
- MISSISSIPPIAN
- CODROY GROUP
- 11 Maroon, green and grey siltstone, grey mudstone, green-grey and maroon sandstone, limestone, gypsum; minor conglomerate
- ANGUILLE GROUP
- 10 Grey siltstone, sandstone, black mudstone, shale, siltstone, minor grey mudstone, shale, laminated siltstone, conglomerate; maroon siltstone, sandstone
- DEVONIAN (?)
- 9 Granitic rocks, many with unseparated inclusions of gneiss and schist: 9a, pink, equigranular to porphyritic (feldspar) granite and grey-tan quartz monzonite; 9b, pink, equigranular to porphyritic (feldspar) granite, minor quartz monzonite, granodiorite and pegmatite; 9c, CHETWYND GRANITE: pink granite
- DEVONIAN (?) AND (?) EARLIER
- 8 Granitic rocks, many with unseparated inclusions of gneiss and schist: 8a, grey to pink foliated porphyritic (feldspar) quartz monzonite, granodiorite, minor pink granite and pegmatite; 8b, BAGGS HILL GRANITE: grey to pink foliated quartz monzonite; 8d, grey porphyritic (feldspar) granodiorite and quartz diorite; 8e, grey to pink porphyritic (feldspar) quartz monzonite and granodiorite; 8f, grey to grey-tan quartz monzonite and granodiorite in part foliated and porphyritic (feldspar), pink granite and pegmatite
- 7 Diorite and gabbro
- LOWER AND/OR MIDDLE DEVONIAN
- BAY DU NORD GROUP
- 6 Siltstone, argillite, sandstone, metaquartzite, shale, slate; minor phyllite, biotite-quartz-feldspar gneiss and schist locally containing garnet, amphibole and staurolite; conglomerate, metaconglomerate
- SILURIAN ?
- 5B Quartz-feldspar porphyry
- 5A, LA POILE GROUP: rhyolite, rhyolite porphyry, trachyte, trachyte porphyry, tuff, agglomerate, sandstone, schistose sandstone, conglomerate, schistose conglomerate, slate, unseparated quartz-feldspar porphyry (5B); minor schist
- ORDOVICIAN (?) TO DEVONIAN
- 4 Schistose sandstone and conglomerate, slate, chlorite schist, metavolcanic rocks, mafic sills and dykes; minor chert
- 3 Biotite-quartz-feldspar gneiss and schist locally containing garnet, amphibole, sillimanite and kyanite; unseparated quartz monzonite and pegmatite (8a), amphibolite, granodiorite, near Bay du Nord Group (6) minor slate, siltstone, argillite, sandstone, conglomerate, tuff and metamorphic equivalents
- PRECAMBRIAN (?) TO ORDOVICIAN (?)
- 2a, gabbro, diorite, granite, biotite-quartz-feldspar gneiss and schist locally containing amphibole and garnet; minor granodiorite amphibolite, anorthosite, peridotite, dunite, marble; 2b, mixed plutonic, metavolcanic, and metasedimentary rocks: quartz diorite, diorite, granodiorite, biotite-quartz-feldspar gneiss and schist locally containing amphibole and garnet; minor quartz monzonite, monzonite, granite and gabbro; 2c, pink granite and quartz monzonite
- 1 Biotite-quartz-feldspar gneiss and schist locally containing amphibole and garnet; unseparated granitic rocks (2c); minor amphibolite and marble

- Geological boundary (defined, approximate, assumed)
- Bedding, tops known (inclined, overturned)
- Bedding, tops unknown (inclined, vertical)
- Schistosity and gneissosity, foliation (inclined, vertical, dip unknown)
- Fault (defined, approximate, assumed)
- Anticline
- Syncline (upright, overturned)
- Glacial striae (direction of ice movement known)
- Fossil locality
- Locality where age has been determined by K-Ar method, in millions of years (B-biotite, M-muscovite)
- Trace of coal seam
- Mineral occurrence
- Quarry (abandoned)
- Bathymetric contours (interval 20 metres)

MINERALS

Chalcopyrite	cp	Gold	Au
Sphalerite	sp	Arsenopyrite	asp
Galenite	gn	Magnetite	mag
Silver	Ag	Pyrrhotite	po
Bornite	bo	Gypsum	gyp

Geology by J.W. Gillis, 1963-64; in part compiled from published reports by D.M. Baird and P.R. Cote, 1964; J.R. Cooper, 1954; George Phair, 1959, and John Utting, 1965; and in part compiled from unpublished maps by Buchans Mining Company Limited

To accompany GSC Paper 71-42 by J.W. Gillis

Geological cartography by the Geological Survey of Canada

Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

Bathymetric contours from Canadian Hydrographic Services, Marine Sciences Branch

Base-map published at the same scale by the Surveys and Mapping Branch, 1960

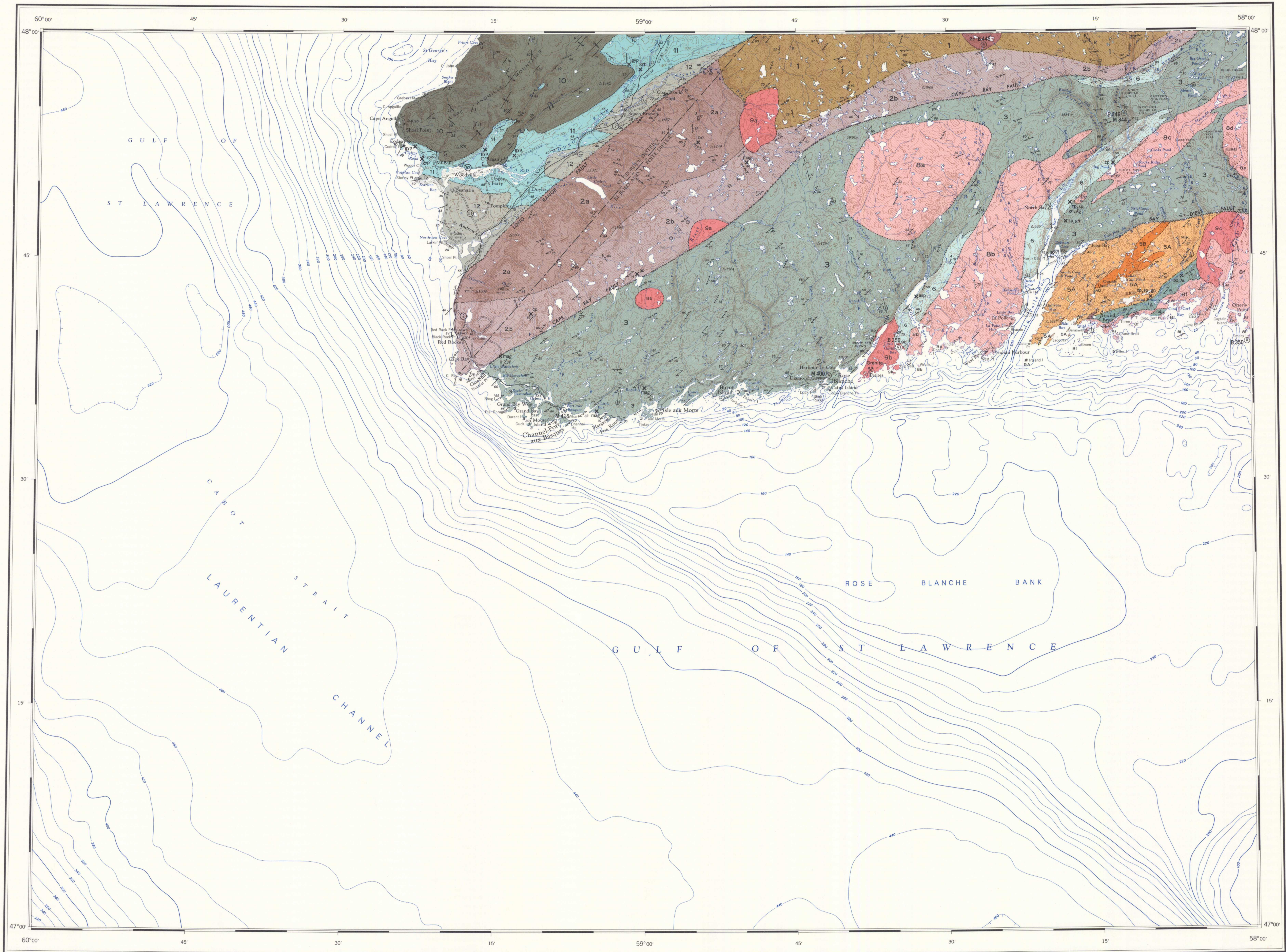
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Magnetic declination 1972 varies from 25°42' westerly at centre of west edge to 26°12' westerly at centre of east edge. Mean annual change -3.1'

Elevations in feet above mean sea-level



INDEX MAP

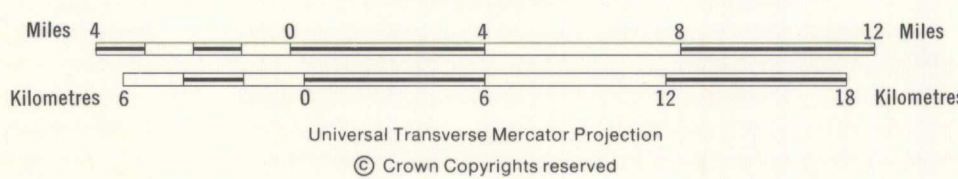


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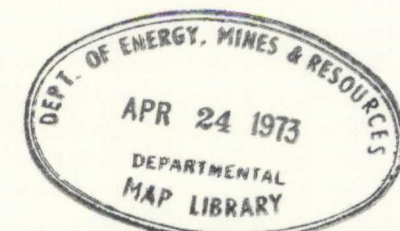
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MAP 1340A GEOLOGY PORT AUX BASQUES NEWFOUNDLAND

Scale 1:250,000



Universal Transverse Mercator Projection
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12 C	12 B	12 A
11 N	11 O	11 P
11 K	11 J	11 I

NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX TO GEOLOGICAL SURVEY OF CANADA MAPS

MAP 1340A

PORT AUX BASQUES
NEWFOUNDLAND

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