

2C/0073
MAP 93-161



GOVERNMENT OF
NEWFOUNDLAND AND LABRADOR
Department of Mines and Energy
Geological Survey Branch

**A PRELIMINARY MAP OF THE AREA BETWEEN
OCEAN POND AND LONG ISLANDS,
BONAVISTA BAY, NEWFOUNDLAND**

(parts of the SWEET BAY (NTS 2C5/E) and
EASTPORT (NTS 2C/12E) map areas)

002C10073

MAP 93-161

SCALE 1:50,000

SEAN J. O'BRIEN

LEGEND

MIDDLE CAMBRIAN

HARCOURT GROUP

MANUELS RIVER FORMATION

- 14 fossiliferous black shale with grey calcareous concretions; thin grey limestone beds; 14a: diabase

ADEYTON GROUP (Units 10-13)

CHAMBERLAIN'S BROOK FORMATION

- 13 green slate, manganiferous grey shale and red, variably manganiferous, slate and shale

EARLY CAMBRIAN

BRIGUS FORMATION

- 12 grey and grey-green shale and slate; red slate with pink limestone nodules

SMITH POINT FORMATION

- 11 fossiliferous, pink and bright red, nodular and oncolitic limestone; minor red and grey shale with limestone nodules

BONAVISTA FORMATION

- 10 light green and grey slate and shale; red shale and slate, locally with calcareous nodules

RANDOM FORMATION

- 9 white quartz arenite; white and grey granule to pebble conglomerate; minor micaceous sandstone

LATE PRECAMBRIAN OR SILURO-DEVONIAN?

- 8 8a: basaltic flows and breccia; minor fine-grained, volcanogenic sedimentary rocks; 8b: red boulder to pebble conglomerate

LATE PRECAMBRIAN

MUSGRAVETOWN GROUP

East of the Indian Arm Fault

Crown Hill Formation

- 7 red pebble conglomerate with minor red sandstone; rare quartz pebble conglomerate and pink quartz arenite

- 6 red, purple and maroon siltstone and fine- to coarse-grained red sandstone, and more rarely, pebble conglomerate; 6a: minor buff and green siltstones and pale green, siliceous sandstone

West of the Indian Arm Fault

- 5 grey, green, and locally pale red, cobble- to fine-grained boulder conglomerate; grey, feldspar-rich, pebbly sandstone and variegated volcanogenic granule conglomerate

Bull Arm Formation

- 4 4a: red and maroon, massive to finely-banded aphyric and feldsparphyric, rheomorphic ash flow tuff; fine-grained pyroclastic flows and welded breccia; minor massive to banded lava flows and autobreccia; minor variegated, volcanogenic sandstone. 4b: grey-green vesicular to aphyric basalt flows; minor mafic breccia and unseparated sedimentary rocks

CONNECTING POINT GROUP (Units 1-3)

- 3 thin- and regularly-bedded dark grey siltstone and fine grained sandstone, containing thin black silty laminae, cross-laminae and ripple-drift structures; minor red and purple siltstone and coarse grained grey sandstone; 3a: mafic tuff and tuff-breccia

- 2 mainly regularly-bedded, grey-green to buff-weathering, medium- to thin-bedded silicified sandstone with unseparated, thick beds of buff, amalgamated sandstone; minor dark grey thin-bedded siltstone; 2a: grey to pale pink sandstone and granule conglomerate; 2b: diorite and diabase sills

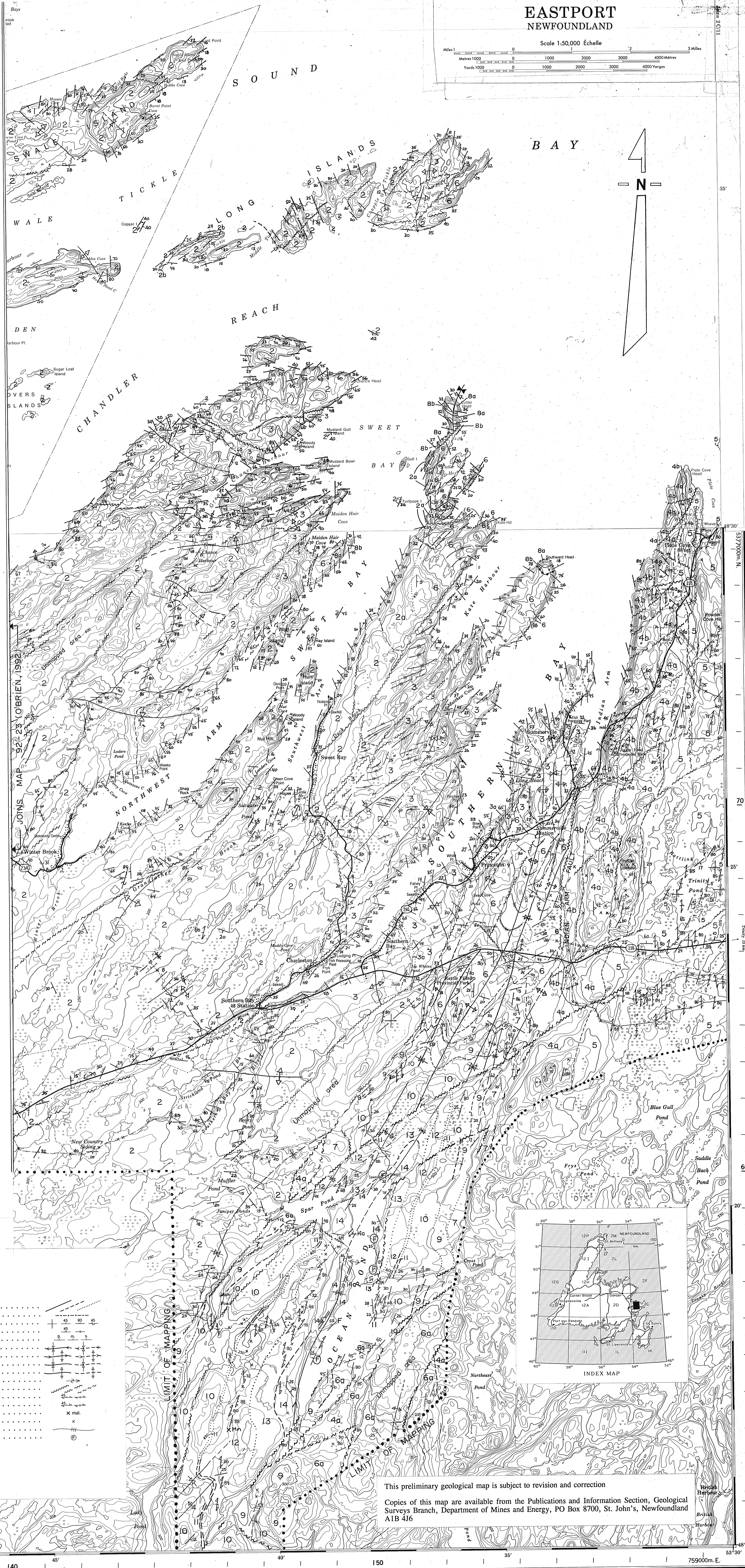
- 1 olistostrome, minor slumped and planar-bedded grey shale and siltstone

KEY

- geological contact (defined, approximate, assumed)
- unconformity
- bedding, tops known (horizontal, inclined, vertical, overturned)
- bedding, tops unknown (inclined, vertical)
- bedding, dip estimated (gentle, moderate, steep)
- axial trace of syncline (arrow in direction of plunge; defined, assumed)
- axial trace of anticline (arrow in direction of plunge; defined, assumed)
- axial trace of anticline (defined, assumed)
- axial trace of syncline (defined, assumed)
- axis of minor fold
- fault (defined, approximate, assumed)
- cleavage or foliation (inclined, vertical)
- slaty cleavage: (inclined, vertical)
- mineral occurrence
- bedrock exposure (no measurements recorded)
- air photo lineament
- fossil locality

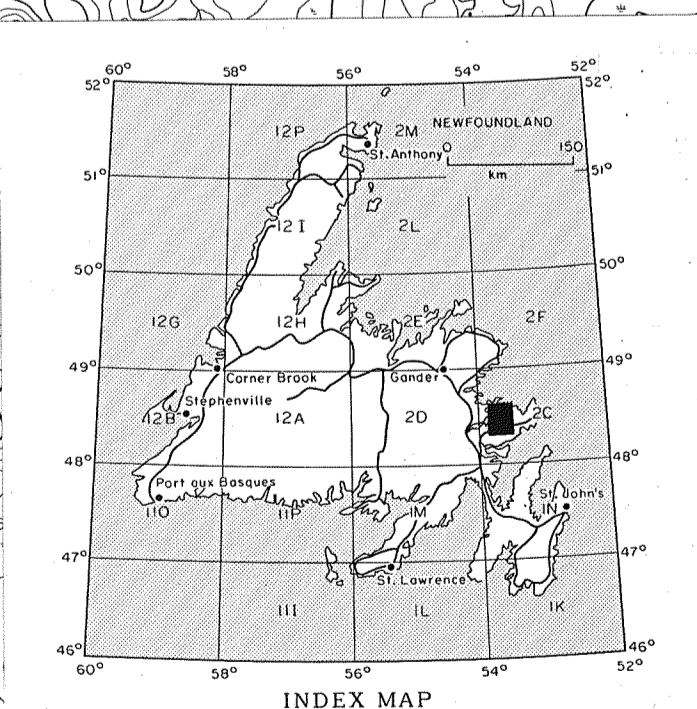
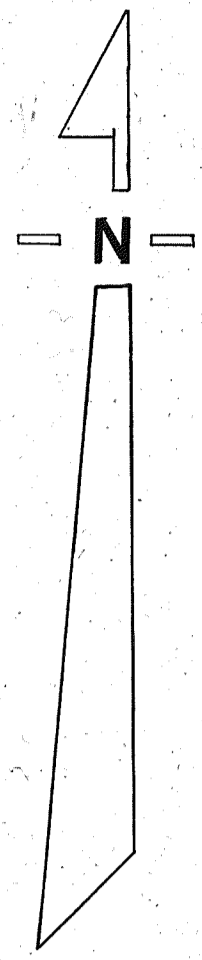
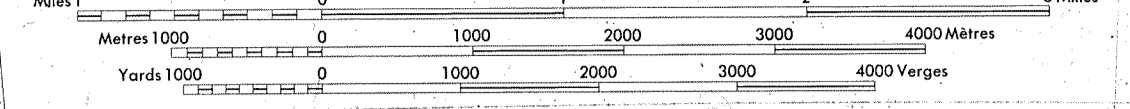
ABBREVIATION

mal.....malachite



**EASTPORT
NEWFOUNDLAND**

Scale 1:50,000 Échelle



This preliminary geological map is subject to revision and correction
Copies of this map are available from the Publications and Information Section, Geological
Surveys Branch, Department of Mines and Energy, PO Box 8700, St. John's, Newfoundland
A1B 4J6

**SWEET BAY
NEWFOUNDLAND TERRE-NEUVE**

Scale 1:50,000 Échelle



Information concerning bench marks and vertical survey elevations can
be obtained from Geodetic Survey, Canada Centre for Surveying, Ottawa.

CONVERSION SCALE FOR ELEVATIONS

Metres 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900 920 940 960 980 1000

Feet 0 60 120 180 240 300 360 420 480 540 600 660 720 780 840 900 960 1000

CONTOUR INTERVAL: 50 FEET
Elevations in feet above Mean Sea Level
North American Datum 1987
Transverse Mercator Projection

Pour tout renseignement concernant les repères et les hauteurs d'élevations,
s'adresser au Centre canadien de levés géodésiques, Centre canadien des levés, Ottawa.

ÉCHELLE DE CONVERSION DES ALTITUDES

Mètres 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900 920 940 960 980 1000

Pieds 0 60 120 180 240 300 360 420 480 540 600 660 720 780 840 900 960 1000

ÉPaisseur des courbes: 50 PIEDS
Élévation en pieds au-dessus du Niveau Moyen de la Mer
Datum Nord-Américain 1987
Projection Méridienne de Mercator

