GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

PRELIMINARY SERIES

62°00′ 55′ 50′ 61°45′
45°54′ 50′ 45′ 40′ 45°30′

LEGEND

CENOZOIC

QUATERNARY
PLEISTOCENE AND RECENT

14 Sand and gravel

PALEOZOIC

CARBONIFEROUS
UPPER CARBONIFEROUS

13 PORT HOOD FORMATION: light to medium grey, coarse-grained, quartz-feldspar arenite, red and grey arenite and mudstone and minor granule and pebble conglomerate

12 POMQUET FORMATION: medium greyish red, medium- to coarse-grained wacke, light brown medium- to coarse-grained arenite and granule to pebble conglomerate, medium greyish red fine-grained wacke, siltstone and silty shale and light grey medium- to coarse-grained wacke

CANSO (MABOU) GROUP

11 Medium grey and medium greyish red siltstone, fine-grained wacke and silty shale and minor mudstone and shale; calcareous grey siltstone and fine-grained wacke layers up to 6 inches thick throughout section

LOWER CARBONIFEROUS
WINDSOR GROUP

10 Greyish red and medium grey siltstone and shale, and calcareous siltstone and shale, medium to dark grey crystalline, argillaceous and oolitic limestone, gypsum and anhydrite

HORTON GROUP (5-9)

9 Medium greyish red and greenish grey, pebble to boulder conglomerate and micaceous wacke, and minor dark green amygdaloidal basalt

8 FISSET BROOK FORMATION: mottled greyish red-purple and pale yellowish brown porphyritic rhyolite

7 Light grey granule to pebble conglomerate and medium-grained wacke with minor greyish red beds (may be in part Devonian)

6 Greyish red fine- to very fine-grained wacke, siltstone and medium-grained wacke, and minor arenite, calcareous siltstone, mudstone and shale

5 Light to medium grey fine- to medium-grained arenite, dark grey micaceous siltstone and fine-grained wacke, and minor black silty shale

DEVONIAN

4 Pale red, medium-grained granite with minor graphic granite phases

SILURIAN
ARISAIG GROUP (undivided)

3 Medium grey, fine-grained wacke and siltstone and light grey medium-grained quartz arenite

ORDOVICIAN AND EARLIER

2 Dark greenish grey to black medium-grained diorite; dark green diabase dykes

BROWNS MOUNTAIN GROUP

1 LAMINATED SILTSTONE DIVISION: green to olive grey laminated very fine-grained siltstone and argillite; medium grey wacke, greywacke and minor tuff, granule conglomerate and siltstone; minor dark green andesite; hornfels developed near contact with intrusives; narrow diorite to granodiorite dykes

Rock outcrop, included volcanics, volcanics
Geological boundary (defined, approximate, assumed)
Bedding, tops known (horizontal, inclined, vertical, overturned)
Bedding, tops unknown (inclined, vertical)
Schistosity (inclined, vertical)
Fault (defined, approximate, assumed)
Joint (inclined, vertical)
Anticline (defined, arrow indicates direction of plunge)
Syncline (defined, arrow indicates direction of plunge)
Fossil locality (F)
Spore sample (S)
Gravel deposit
Quarry
Mineral occurrence Pb
Diamond-drill hole DDH
Sinkhole SH

MINERALS

Anhydrite	ah	Limestone	ls
Gypsum	gyp	Pyrite	py
Lead	Pb	Zinc	Zn

Geology by D. G. Benson, 1966, 1967, 1968

To accompany GSC Paper 70-8 by D. G. Benson,

Geological cartography by the Geological Survey of Canada

Base-map at the same scale published by the Topographical Survey in 1950. Roads were revised by the Geological Survey of Canada for this edition

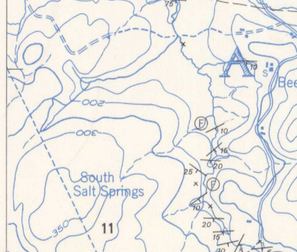
Copies of the topographical edition of this map may be obtained from the Map Distribution Office, Department of Energy, Mines and Resources, Ottawa

Approximate magnetic declination 1970, 24° 43' West, decreasing 1.5' annually

Elevations in feet above mean sea-level

Geographical names subject to revision

Published, 1970



INDEX MAP

MAP 3-1970
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GEOLOGY

ANTIGONISH AND CAPE GEORGE

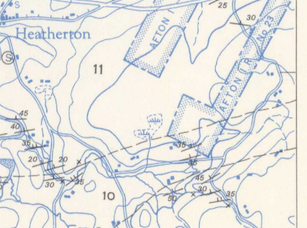
(West Halves)

NOVA SCOTIA

Scale 1:50,000

Miles 1 0 1 2 Miles
Metres 1000 0 1000 2000 3000 Metres

Printed by the Surveys and Mapping Branch



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

ANTIGONISH AND CAPE GEORGE
(West Halves)
NOVA SCOTIA

G 3401 .C5 1956 G4 cmvfsc

3-1970 c.1

12 67-E

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