

GEOLOGICAL SURVEY OF CANADA  
DEPARTMENT OF ENERGY, MINES AND RESOURCES

PRELIMINARY SERIES



LEGEND

- CENOZOIC**
- QUATERNARY  
PLEISTOCENE AND RECENT
    - 14 Sand and gravel
  - 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 FESSET 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
      - 1 BROWNS MOUNTAIN GROUP  
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 . . . . . x v
- 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) . . . . . v
- Fossil locality . . . . . ⊙
- Spore sample . . . . . ⊙
- Gravel deposit . . . . . ⊙
- Quarry . . . . . ⊙
- Mineral occurrence . . . . . x Pb
- Diamond-drill hole . . . . . DDH ●
- Sinkhole . . . . . SHO

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

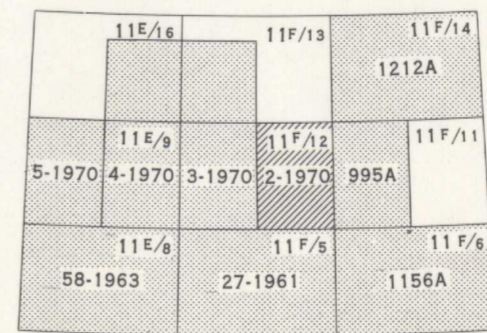
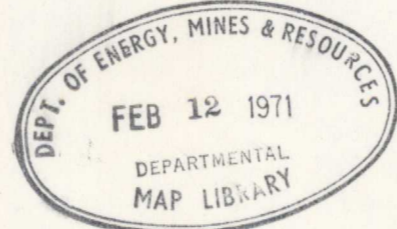
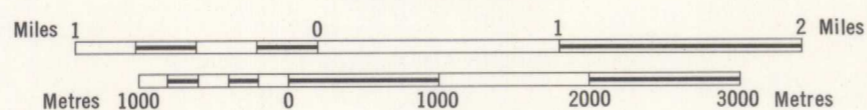
Geographical names subject to revision

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MAP 2-1970  
PAPER 70-8  
GEOLOGY  
ANTIGONISH  
(East Half)  
NOVA SCOTIA  
Scale 1:50,000



612 cog 1900 c  
This map has been produced from a scanned version of the original map  
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MAP 2-1970  
ANTIGONISH  
(East Half)  
NOVA SCOTIA