



GEOLOGICAL SURVEY OF CANADA  
DEPARTMENT OF ENERGY, MINES AND RESOURCES

13-F

PRELIMINARY SERIES

LEGEND

HADRYNIAN (?)

8 DOUBLE MER FORMATION: conglomerate, sandstone, arkose, shale

Gabbro dykes, diabasic in part; 7a, hornblende

HELIGIAN

ANORTHOSITE SUITE (5, 6)

6 Syenite-monzonite series: undivided. Includes minor amounts of 2, 3, 4, 5; 6a, syenite; 6b, monzonite, quartz monzonite, granite

5 Anorthosite series: undivided. Includes minor amounts of 1, 2, 3, 4, 6; 5a, anorthosite; 5b, gabbro; 5c, diorite; 5d, meta-volcanics

4 Granite to granodiorite. Massive to poorly foliated. May be porphyritic in part

3 Mainly black and white gneisses and gneissic granite of probable sedimentary origin, undivided. Includes minor amounts of 2, 4. Cut by numerous pegmatite and aplite dykes and may locally grade into veined gneisses and migmatites; 3a, porphyritic veined augen gneiss; 3b, garnetiferous gneiss; 3c, sillimanite gneiss; 3d, amphibolitic gneiss; 3e, metagranite

2 Mainly pink quartz-feldspathic gneisses, undivided. May in part be of sedimentary origin; 2a, garnetiferous biotite-hornblende gneiss; 2b, amphibolitic gneiss; 2c, porphyroblastic gneiss; 2d, sillimanite gneiss

1 Intermediate to basic gneiss, undivided; 1a, amphibolitic gneiss; 1b, garnetiferous gneiss

Rock outcrops (examined on ground, observed from air) . . . . . 3a x x

Geological boundary (approximate, gradational) . . . . . - - - - -

Boundary of sand, gravel . . . . . - - - - -

Bedding, tops known (horizontal, inclined) . . . . . + /

Gneissosity, schistosity (inclined, vertical, dip unknown) . . . . . Z Z Z

Drag-fold (arrow indicates plunge) . . . . . >

Structural trend (from air photographs) . . . . . - - - - -

Lineament (from air photographs) . . . . . - - - - -

Fault (defined, approximate, assumed; solid circle indicates

downtrow side, arrows indicate relative movement) . . . . . - - - - -

Joint (inclined, vertical, horizontal) . . . . . / +

Syncline (defined, approximate) . . . . . - - - - -

Glacial striae (direction of ice-movement known, unknown) . . . . . - - - - -

Drumlinoid ridges (direction of ice-movement known, unknown) . . . . . - - - - -

Mineral occurrence . . . . . py x

Gossan . . . . . 6

MINERALS

Chalcopyrite . . . . . cp

Magnetite . . . . . mag

Pyrite . . . . . py

Pyrrhotite . . . . . po

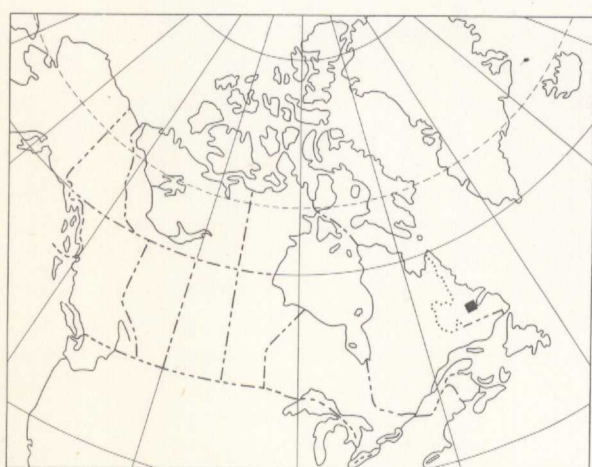
Geology by L. M. Stevenson, 1965

Geological cartography by the Geological Survey of Canada, 1967

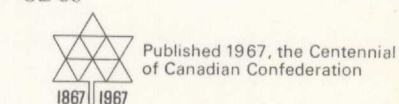
Base-map compiled and drawn by the Surveys and Mapping Branch, 1965

Magnetic declination 1967 varies from 32° 00' westerly at centre of west edge to 32° 33' westerly at centre of east edge. Mean annual change 4.3' easterly

All elevations in feet above mean sea-level



INDEX MAP



Published 1967, the Centennial  
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MAP 7-1967

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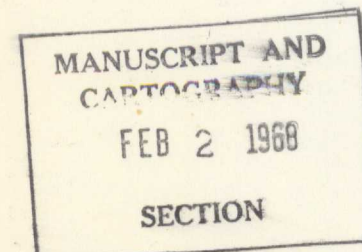
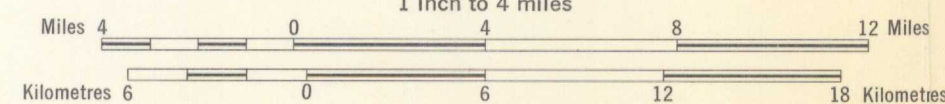
GEOLOGY

GOOSE BAY

NEWFOUNDLAND

Scale 1:253,440

1 inch to 4 miles



Copies of this map may be obtained from the  
Director, Geological Survey of Canada, Ottawa  
Printed by the Surveys and Mapping Branch

MAP 7-1967  
GOOSE BAY  
NEWFOUNDLAND  
13-F