GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

LEGEND

CENOZOIC

QUATERNARY

- **16** — *Glacial outwash, sand and gravel in marine terraces*

PALEOZOIC

DEVONIAN

- **15** — *Pink quartz-feldspar porphyry, green amygdaloidal dacite, trachyte, and andesite; 15a, grey, medium-grained granite and flow-banded rhyolite*
- **14** — *Medium-grained dark green diorite, diabase, and gabbro*
- **13** — *BELLEORAM STOCK: medium-grained grey to pink granite, closely jointed and containing numerous small dark inclusions; 13a, fine-grained pink to orange border phase of granite or possibly metavolcanic rocks of Long Harbour Group*
- **12** — *GREAT BAY DE L'EAU FORMATION: mainly purple conglomerate with quartzite and red sandstone cobbles; includes red to pink and buff conglomerate with abundant limestone boulders, and arkosic conglomerate with granite boulders*
- **11** — *ACKLEY BATHOLITH: medium- to coarse-grained, pink biotite granite and alaskite*

DEVONIAN OR EARLIER (?)

- **10 / 10** — *Mafic sills, dykes, and plugs; 10a, dark green medium-grained pyroxenite and gabbro; 10b, medium-grained diorite and quartz diorite*
- **9** — *POOLS COVE FORMATION: 9a, red conglomerate with granite, diorite, red sandstone, and quartzite clasts; 9b, pink to orange, coarse arkosic sandstone and arkosic pebble conglomerate; 9c, buff to pale orange boulder conglomerate with granite, diorite, red sandstone, limestone, quartzite, and porphyry clasts, locally includes arkosic sandstone and arkosic pebble conglomerate*
- **8** — *CINO ISLES FORMATION: red micaceous sandstone, pink and grey quartz-pebble conglomerate, red shale, and grey to pink micritic limestone*

ORDOVICIAN OR EARLIER (?)

- **7** — *GARRISON HILLS GNEISS: foliated biotite granitic gneiss, foliated pink biotite granite, muscovite granite gneiss, mylonite, and amphibolite*
- **6** — *SIMMONS BROOK BATHOLITH: medium- to coarse-grained, altered grey to pink, granite and granodiorite, fine- to medium-grained diorite and quartz diorite; 6a, mainly diorite, granodiorite, and granitic rocks with dark mafic inclusions; 6b, pink to greenish, altered hornblende-biotite granite, probably equivalent in age to Simmons Brook Batholith*

CAMBRIAN AND LATE PRECAMBRIAN (?)

YOUNGS COVE GROUP

- **5** — *Grey micaceous siltstone, shale, sandstone, and argillite; locally includes red and purple argillite; 5a, fine-grained dark grey hornfels*

PROTEROZOIC

HADRYNIAN

LONG HARBOUR GROUP (1-4)

- **4** — *RENCONTRE FORMATION: 4a, crossbedded purple sandstone, pebble conglomerate, red argillite, and minor grey sandstone and argillite; 4b, red micaceous sandstone, siltstone, and argillite; 4c, mainly grey sandstone, siltstone, and argillite; 4d, fine-grained dark grey hornfels*
- **3** — *MOORING COVE FORMATION: 3a, pink flow-banded rhyolite, rhyolite tuff and agglomerate; 3b, dark green to purple amygdaloidal basalt; 3c, purple and red crossbedded sandstone, grey slate and sandstone; 3d, undivided sedimentary and volcanic rocks*
- **2** — *ANDERSONS COVE FORMATION: grey slate, siltstone, sandstone; 2a, purple tuffaceous sandstone, pebble conglomerate, and agglomerate at base of formation; 2b, minor rhyolite; 2c, grey to green tuffaceous sandstone and pebble conglomerate*
- **1** — *BELLE BAY FORMATION: 1a, pink flow-banded rhyolite, pink to purple massive rhyolite, purple porphyritic rhyolite, spherulitic rhyolite, rhyolite tuff and agglomerate, includes minor intermediate to mafic volcanic rocks and tuffaceous sedimentary rocks; 1b, purple to green and black amygdaloidal basalt, green andesite, minor silicic volcanic rocks; 1c, rhyolite-pebble conglomerate, red to purple sandstone and argillite; 1d, hard, fine-grained dark grey hornfels in aureole of Ackley Batholith and Belleoram Stock chiefly derived from mafic volcanic rocks; 1e, schistose porphyritic tuff and agglomerate, probably equivalent to Belle Bay Formation*

Geological boundary (defined, approximate, assumed)
Bedding, tops known (inclined, vertical, overturned)
Bedding, tops unknown (inclined, vertical)
Cleavage (inclined, vertical)
Lineation (bedding-cleavage intersection)
Fault (defined, assumed)
Fault (dip known, relative movement known)
Anticlinal axis (arrow indicates plunge)
Synclinal axis (arrow indicates plunge)
Glacial striae (direction of ice movement known)
Fossil locality (F)
Mineral occurrence ×
Isotopic age in millions of years (517 and 565 — on detrital muscovite in sedimentary rocks; 515 — whole rock Rb/Sr isochron) 517 (A)

MINERALS

Chalcopyrite	cp	*Galena*	gn
Fluorite	fl	*Molybdenite*	mo

Geology by H. Williams 1969

To accompany Paper 70-65 by H. Williams

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

Base-map at the same scale published by the Surveys and Mapping Branch in 1956, with revisions to roads by the Geological Survey of Canada from information supplied by the Department of Highways Government of Newfoundland and Labrador

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, 26°44′ West, decreasing 3.3′ annually

Elevations in feet above mean sea-level

Published, 1972
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INDEX MAP

MAP 1323 A
GEOLOGY
BELLEORAM
NEWFOUNDLAND

Scale 1:50,000

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

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1 M/5	1 M/6	1 M/7

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MAP 1323 A
BELLEORAM
NEWFOUNDLAND

1323A

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