PRELIMINARY SERIES

GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

SHEETS 77, 87 AND PARTS OF 67, 68, 78, 88, 97, 98

LEGEND

CENOZOIC

18 Areas of thick glacial drift, mainly morainal; outcrops of bedrock are very scarce or absent; Banks and Victoria Islands

LATE TERTIARY AND PLEISTOCENE

17 BEAUFORT FORMATION: gravel, sand, minor silt, peat, driftwood; Banks Island

MESOZOIC

CRETACEOUS AND TERTIARY

16 EUREKA SOUND FORMATION: sand, sandstone, silt, siltstone, shale; minor carbonized wood, coal; Banks Island

CRETACEOUS

15 CHRISTOPHER FORMATION: shale; minor sandstone, concretions; Banks Island

14 ISACHSEN FORMATION: sandstone, conglomeratic sandstone; Banks Island

PALAEOZOIC

DEVONIAN

13 MELVILLE ISLAND FORMATION: sandstone, minor siltstone, shale, limestone; Banks Island

12 BLUE FJORD FORMATION: limestone, minor dolomite, shale; Victoria Island

SILURIAN

11 READ BAY GROUP: 11a, limestone with minor dolomite; 11b, shale overlies 11a; 11c, dolomite overlies 11b

CAMBRIAN?, ORDOVICIAN AND SILURIAN

10 10a, Cambrian?, sandstone, minor shale, siltstone, dolomite (mapped separately only in south coastal region of Victoria Island, elsewhere included in map-unit 10b); 10b, Ordovician and Silurian, dolomite, minor chert, shale, sandstone

LATER PRECAMBRIAN

9 Gabbro dykes and sills; sills not mapped; intrusive 2-8; Victoria Island

8 NATKUSIAK FORMATION: basalt flows; minor agglomerate; Victoria Island

SHALER GROUP (3-7)

7 KILIAN FORMATION: gypsum, anhydrite, shale, sandstone, limestone, siltstone, dolomite; Victoria Island

6 WYNNIATT FORMATION: limestone; minor dolomite, shale, sandstone ; Victoria Island

5 MINTO INLET FORMATION: gypsum, anhydrite; minor sandstone, limestone, shale, dolomite, siltstone; Victoria Island

4 REYNOLDS POINT FORMATION: limestone, sandstone; minor siltstone, shale; Victoria Island

3 GLENELG FORMATION: sandstone, limestone, shale, siltstone, dolomite, conglomerate; Banks and Victoria Islands

EARLIER PRECAMBRIAN

2 Granodiorite; Victoria Island

1 UNNAMED FORMATION: quartzite; minor micaceous quartzite, hematitic quartzite, greywacke; Victoria Island

19 Area of undifferentiated glacial drift and Beaufort Formation that forms thin cover over Eureka Sound Formation. Known outcrops of Eureka Sound Formation in area are indicated; Banks Island

Formational contact (defined, approximate, assumed)

Boundaries of thick glacial drift, and undifferentiated glacial drift and Beaufort Formation

Bedding (horizontal, inclined)

Fault (defined, approximate, assumed; solid circle indicates downthrown side)

Anticline (defined, approximate)

Syncline (defined, approximate)

Joints (vertical)

Fossil locality

Geology by R. L. Christie, J. G. Fyles, R. Thorsteinsson and E. T. Tozer, 1959

Air strip

Approximate height in feet above sea-level, by aneroid ..... 600, +350

Cartography by the Geological Survey of Canada, 1961

INDEX MAP

Note: All islands in the seas north of the continental shore are within the District of Franklin, N.W.T.

MAP 20-1961
TO ACCOMPANY PAPER 61-12

GEOLOGY

BANKS, VICTORIA, AND STEFANSSON ISLANDS

DISTRICT OF FRANKLIN

Scale, 1:1,000,000

Miles 10 0 10 20 30 40 50 60 Miles

Air photographs covering this area may be obtained through the National Air Photographic Library, Topographical Survey, Ottawa

PUBLISHED, 1961
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