LEGEND

CENOZOIC

TERTIARY AND/OR PLEISTOCENE

30 — *BEAUFORT FORMATION:* non-marine sand and gravel, abundant fossil wood

CRETACEOUS (?) AND TERTIARY

29 — *EUREKA SOUND FORMATION:* non-marine sand

CRETACEOUS
UPPER CRETACEOUS

25 — *KANGUK FORMATION:* grey marine shale

LOWER OR UPPER CRETACEOUS

24 — *HASSEL FORMATION:* red and brown non-marine sandstone and sand

LOWER CRETACEOUS

23 — *CHRISTOPHER FORMATION:* marine shale, siltstone and fine-grained sandstone

22 — *ISACHSEN FORMATION:* white, yellow, and brown non-marine sandstone, grit and conglomerate, coal, variably lithified; **22a**, includes 23

CRETACEOUS (?)

28 — Gabbro dyke

CRETACEOUS

27 — Black sandstone and light-coloured sand

26 — Marine shale, siltstone and fine-grained sandstone

JURASSIC AND CRETACEOUS
UPPER JURASSIC AND LOWER CRETACEOUS

21 — *MOULD BAY FORMATION:* grey, greenish grey and brown marine sandstone and sand; grey shale with calcareous concretions

MESOZOIC

JURASSIC
LOWER, MIDDLE, AND (?) UPPER JURASSIC

20 — *WILKIE POINT FORMATION:* grey and green sand, dusky red sandstone; grey phosphatic nodules, marine and non-marine, on Mackenzie King and Borden Islands lower part is grey marine shale; **20a**, includes 19

LOWER JURASSIC

19 — *BORDEN ISLAND FORMATION:* green and red sand and sandstone, marine

TRIASSIC
UPPER TRIASSIC

18 — *HEIBERG FORMATION:* marine and (?) non-marine grey and brown sandstone

17 — *SCHEI POINT FORMATION:* marine grey calcareous sandstone, limestone, sand

LOWER TRIASSIC

16 — *BJORNE FORMATION:* red, brown, and white, non-marine (?) sandstone and conglomerate

PERMIAN

15 — *ASSISTANCE FORMATION:* green, grey and dusky red sandstone; grey chert; grey limestone, marine; **15a**, includes 14

LOWER PERMIAN

14 — *SABINE BAY FORMATION:* green and grey calcareous sandstone, limestone, grey clay, marine; upper beds include non-marine sandstone and conglomerate

PENNSYLVANIAN
MIDDLE PENNSYLVANIAN

12 — *CANYON FIORD FORMATION:* red, brown, and orange sandstone and conglomerate, thin limestone beds near base; marine and (?) non-marine

PENNSYLVANIAN

13 — Gypsum, limestone

DEVONIAN
MELVILLE ISLAND GROUP (9-11)
MIDDLE (?) AND UPPER DEVONIAN

11 — *GRIPER BAY FORMATION:* green, grey, and white, commonly carbonaceous, non-marine sandstone, siltstone, shale, and thin coal seams; marine bands of brown calcareous sandstone

10 — *HECLA BAY FORMATION:* white, yellow, and red, non-marine sandstone; **10a**, includes upper beds of 9

MIDDLE DEVONIAN

9 — *WEATHERALL FORMATION:* mainly grey, marine, and non-marine sandstone, siltstone, and shale; **9a**, Blockley and Cape de Bray members

8 — *BLUE FIORD FORMATION:* grey limestone

PALAEOZOIC

UPPER ORDOVICIAN TO UPPER SILURIAN

4 — *CAPE PHILLIPS FORMATION:* grey and black graptolitic shale, calcareous beds and concretions

UPPER SILURIAN

6 — *KITSON FORMATION:* black graptolitic shale, argillaceous limestone, calcareous siltstone

SILURIAN

7 — Grey dolomite

ORDOVICIAN AND SILURIAN
LOWER ORDOVICIAN TO UPPER SILURIAN

2 — *IBBETT BAY FORMATION:* black graptolitic shale, argillite and chert, minor dolomite

MIDDLE ORDOVICIAN

3 — *CORNWALLIS FORMATION:* grey dolomite and limestone

ORDOVICIAN (?) AND SILURIAN

5 — Grey limestone and dolomite

ORDOVICIAN AND (?) EARLIER
LOWER ORDOVICIAN AND (?) EARLIER

1 — *CANROBERT FORMATION:* limestone, silty dolomite, edgewise conglomerate, calcareous sandstone

Alluvium
Bedding (horizontal, inclined, vertical, overturned)
Fault (defined, approximate, assumed)
Fault (solid circle indicates downthrow side)
Anticline (defined, approximate)
Syncline (defined, approximate)
Fossil locality

Note 1: In Southeastern Melville Island small unmapped outliers of the Isachsen and Christopher Formations (Map-unit 22a) are probably present.

Note 2: Between Canrobert Hills and Raglan Range the geological structure is more complicated than shown on the map.

Geology by E.T. Tozer, 1954, 1955, 1959 and R. Thorsteinsson and E.T. Tozer, 1958

Settlement with Post Office
Sand, sand and mud, or mud

Cartography by the Geological Survey of Canada, 1963

To accompany G.S.C. Memoir 332, by E.T. Tozer and R. Thorsteinsson

INDEX MAP

ARCTIC OCEAN
PRINCE GUSTAF ADOLF SEA
WILKINS STRAIT
BALLANTYNE STRAIT
HAZEN STRAIT
M'CLURE STRAIT
BYAM MARTIN CHANNEL
Crozier Channel
Kellett Strait
Fitzwilliam Strait
HECLA AND GRIPER BAY
Liddon Gulf
VISCOUNT MELVILLE SOUND

BORDEN ISLAND
BROCK ISLAND
MACKENZIE KING ISLAND
LOUGHEED ISLAND
EMERALD ISLE
EGLINTON ISLAND
MELVILLE ISLAND
SABINE PENINSULA
BANKS ISLAND
DUNDAS PENINSULA

Piper Bay
Satellite Bay
Moore Bay
Hardinge Bay
Jameson Bay
Intrepid Inlet
Green Bay
Dyer Bay
Walker Inlet
Weller Bay
Marie Bay
Ibbett Bay
Purchase Bay
Glacier
Raglan Range
McCormick Inlet
Murray Inlet
Barry Bay
Hardy Bay
Warrington Bay
Eldridge Bay
Sherard Bay
Weatherall Bay
Sabine Bay
Hecla Bay
Eden Bay
Chandler Bay
Bridport Inlet
Skene Bay
Beverly Inlet
Winter Harbour

GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MAP 1142A

GEOLOGY

WESTERN QUEEN ELIZABETH ISLANDS

DISTRICT OF FRANKLIN

Scale: One Inch to Eight Miles = 1/506,880

Miles 8 0 8 16 24

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