



- LEGEND**
- PLEISTOCENE AND RECENT**
- 16 Ice-caps, glaciers, snowfields
  - 15 Marine beaches and alluvium
- MESOZOIC**
- 14 CRETACEOUS OR (?) TERTIARY UPPER CRETACEOUS OR (?) LATER EUREKA SOUND FORMATION(?): sand, shale, sandstone; coal (non-marine)(7000)
- PERMIAN**
- 12a ASSISTANCE FORMATION: glauconitic sandy clay; minor sandstone, clay, ironstone (marine) (200+)
  - 12b BELCHER CHANNEL FORMATION: limestone, conglomerate; quartzose limestone, shale, sandstone (marine and ? non-marine) (630-820)
  - 13 Undifferentiated Permian and (?) Pennsylvanian
- DEVONIAN**
- 11 OKSE BAY FORMATION: sandstone, shale (non-marine) (4,500+)
- MIDDLE DEVONIAN**
- 10a BIRD FIORD FORMATION: limestone, sandy limestone and shale, sandstone (marine) (650)
  - 10b BLUE FIORD FORMATION: limestone, dolomite (marine) (900+)
- SILURIAN AND/OR DEVONIAN**
- 7a PRINCE ALFRED FORMATION: sandstone; minor limestone, dolomite (non-marine) (?) (750)
  - 7b SUTHERLAND RIVER FORMATION: dolomite; minor limestone, sandstone (marine) (300)
  - 8 Undifferentiated argillaceous siltstone and silty limestone and dolomite, calcareous mudstone and argillaceous limestone
  - 9 SNOWFLIND BAY FORMATION(?): red beds (viewed from aircraft only)
- ORDOVICIAN AND SILURIAN**
- 4a DEVON ISLAND FORMATION: calcareous shale, shale; minor argillaceous limestone (marine) (480) as mapped with 8 on Colin Archer Peninsula
  - 4b DOURO FORMATION: limestone, argillaceous limestone; minor shale, calcareous shale, dolomitic limestone (marine) (1,300)
  - 5 READ BAY FORMATION: limestone and argillaceous limestone (marine) (2,200+)
- UPPER ORDOVICIAN TO MIDDLE SILURIAN**
- 4a ALLEN BAY FORMATION: dolomite, argillaceous dolomite; minor limestone and dolomitic limestone (marine) (4,000+)
- ORDOVICIAN**
- 3a CORNWALLIS FORMATION: limestone, gypsum, argillaceous limestone, calcareous shale and siltstone, gypsiferous shale, shale (marine) (2,200)
  - 3b UNDIFFERENTIATED SILURIAN, ORDOVICIAN AND (?) EARLIER
- LOWER (?) AND MIDDLE ORDOVICIAN**
- 3a ELEANOR RIVER FORMATION: limestone (marine) (650+)
- ORDOVICIAN AND (?) EARLIER**
- 2 Limestone, dolomitic limestone, limestone pebble conglomerate, sandstone; minor shale (marine) (1,380+)
- ARCHAEOZOIC OR PROTEROZOIC**
- 1 Gneiss, granitic rocks, granulites, diorite, diabase dyke-rocks

Figures in parentheses are approximate thicknesses of formations in feet

Bedding (horizontal, inclined)

Bedding, general trend with indicated direction of dip

Lineament

Fault (defined, assumed, solid circle indicates downthrow side)

Anticline (defined, approximate)

Syncline (defined, approximate)

Anticline or syncline (arrow indicates direction of plunge)

Glacial stream

Braced stream

Gravel, sand or mud

Height in feet above mean sea-level (approximate)

Geology by Y. O. Fortier, B. F. Glenister, H. R. Greiner, D. J. McLaren, E. F. Roots, J. G. Souther, R. Thorsteinsson, and E. T. Tozer, 1955

Compiled by Y. O. Fortier

To accompany G.S.C. Memoir 320 by Y. O. Fortier et al.

Cartography by the Geological Survey of Canada

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

MAP 1099A  
GEOLOGY  
**DEVON ISLAND**  
DISTRICT OF FRANKLIN  
NORTHWEST TERRITORIES

Scale: One Inch to Eight Miles = 1/800000  
Miles 0 8 16 24

Geographical names subject to revision

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