

LEGEND

- PLEISTOCENE AND RECENT**
- 29 Glaciers, snowfields
 - 28 Emerged beach deposits
- CRETACEOUS (?) AND TERTIARY**
- UPPER CRETACEOUS (?) AND LATER**
- 26 EUREKA SOUND FORMATION: shale, clay, sandstone, limestone, pebbly sandstone; peaty and lignitic coal (non-marine) (770')
- CRETACEOUS**
- 25a KANGUK FORMATION: shale; minor tuffaceous; 7 shale (mainly marine) (1,000') (Upper Cretaceous)
 - 25b HASSEL (?) FORMATION: sandstone, sand; some shale; coal (non-marine) (500') (Lower or Upper Cretaceous?)
- TRIASSIC AND (?) JURASSIC**
- 24 HEIBERG FORMATION: sandstone; coal (non-marine, marine band in lower part) (2500')
- TRIASSIC**
- 22a BLAA MOUNTAIN FORMATION: calcareous siltstone, shale (marine) (1500') (Middle and Upper Triassic)
 - 22b BLIND FIORD FORMATION: siltstone (marine) (3,700') (Lower Triassic)
 - 23a SCHEI POINT FORMATION: calcareous, siltstone, limestone, shale (marine) (800')
 - 23b BJØRNØ SANDSTONE: sandstone (marine) (1,700')
- PERMIAN OR TRIASSIC**
- 21 Sandstone (mainly non-marine) (200')
 - 18 ASSISTANCE FORMATION: glauconitic sandstone, limestone (marine) (70')
- PENNSYLVANIAN**
- 17 CANYON FIORD FORMATION: sandstone, limestone, conglomerate, pebble beds, calcareous sandstone (marine) (3,600')
- PERMIAN**
- 19a Dark beds: chert, cherty limestone, black shale; glauconitic beds (marine) (300-700')
 - 19b Grey beds: limestone, chert, cherty limestone (marine) (350'-380')
- DEVONIAN**
- UPPER DEVONIAN**
- 14 OKSE BAY FORMATION (non-marine) (10,000'): 14a, undifferentiated; 14b, upper sandstone and shale member, largely non-marine, coal; 14c, upper sandstone member; non-marine; coal at base; 14d, lower sandstone and shale member; non-marine; coal; 14e, lower sandstone member; non-marine coal at base
 - 15 OKSE BAY (?) FORMATION: sandstone (non-marine) (5,700')
- MIDDLE DEVONIAN**
- 13a BIRD FIORD FORMATION: limestone, sandy limestone and shale, sandstone (marine) (1,750-2,950')
 - 13b-13c BLUE FIORD FORMATION (marine) (1,900-3800'): 13b, undifferentiated; 13b, brown limestone member; bioclastic and variably dolomitic; 13c, limestone and shale member; variably biostromal and reefoid
- LOWER OR MIDDLE DEVONIAN**
- 12 EIDS FORMATION: calcareous shale and siltstone (marine) (1,000')
- SILURIAN OR DEVONIAN**
- 9a GOOSE FIORD FORMATION: dolomitic siltstone and silty dolomite; 9b argillaceous limestone, limestone, silty limestone (marine) (1,000')
 - 10 STARFISH BAY FORMATION: limestone, silty limestone (1,300')
 - 11 Shale, siltstone; minor limestone (3,000')
- SILURIAN**
- MIDDLE AND UPPER SILURIAN**
- 6a DEVON ISLAND FORMATION: argillaceous shale, calcareous shale (marine) (170-280')
 - 6b DOURO FORMATION: limestone, dolomite, dolomitic limestone, argillaceous limestone (marine) (1,340')
 - 7 CAPE PHILLIPS FORMATION: black shale; argillaceous limestone (marine) (2,200')
 - 8 Limestone, silty limestone, cherty argillaceous shale, calcareous shale, sandstone, shale, siltstone, may include Devonian and Ordovician beds in Vendon Fiord (marine) (3,600')
- ORDOVICIAN AND SILURIAN**
- UPPER ORDOVICIAN TO MIDDLE SILURIAN**
- 5 ALLEN BAY FORMATION: dolomite, dolomitic limestone (marine) (1,700')
- ORDOVICIAN**
- MIDDLE AND (?) LOWER ORDOVICIAN**
- 4a CORNWALLS FORMATION: limestone, argillaceous shale, limestone (marine) (9,400')
 - 4b Cornwalls formation includes at base at least 350 feet of marine limestone of the ELEANOR RIVER formation
- CAMBRIAN AND/OR ORDOVICIAN**
- 2 COPES BAY (?) FORMATION: limestone; some dolomite (3,300')
 - 3 Limestone, limestone conglomerate (1,060'); may include some Proterozoic
- ARCHAIC OR PROTZOZOIC**
- 1 Crystalline rocks, mainly granitic and gneisses

Figures in parentheses are approximate thicknesses of formations in feet.

Bedding (horizontal, inclined, vertical)
 Bedding, general trend with indicated direction of dip
 Lineament
 Fault (defined, approximate)
 Anticline (defined, approximate)
 Syncline (defined, approximate)
 Anticline or syncline (arrow indicates direction of plunge)

Braided stream
 Gravel/sand on mud
 Height in feet above mean sea-level (approximate)

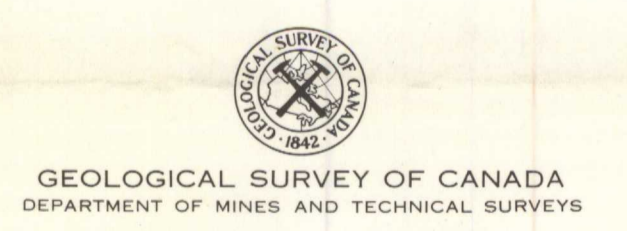
Geology by Y. O. Fortier, B. F. Glenister, H. R. Greiner, D. J. McLaren, A. W. Norris, E. F. Roots, and E. T. Toser, 1955

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 1100A
 GEOLOGY
SOUTHERN ELLESMERE, GRAHAM, AND NORTH KENT ISLANDS
 DISTRICT OF FRANKLIN
 NORTHWEST TERRITORIES

Scale: One Inch to Eight Miles = 160,880 Miles

Geographical names subject to revision



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