

LEGEND

PLEISTOCENE AND RECENT

- 12 Ice-caps, glaciers
- 11 Sand, minor silt, marine

CRETACEOUS (T) AND TERTIARY

- 10 UPPER CRETACEOUS (T) AND LATER
EUREKA SOUND FORMATION: sandstone and siltstone; some shale and coal, non-marine (8000+)
10a, EUREKA SOUND (T) FORMATION: conglomerate, sandstone, coal, non-marine (1000+)
- 8 CRETACEOUS
8c, KANGUK FORMATION: (Upper Cretaceous) shale, in part with sandstone, mainly marine (825-200)
8b, STRAND FIORD VOLCANIC FORMATION: basalt, agglomerate (20-910)
8a, HASSEL FORMATION: sandstone, in part carbonaceous, and shale, mainly non-marine (200+1420); 8a and 8b may include Lower Cretaceous

LOWER CRETACEOUS

- 7 7b, CHRISTOPHER FORMATION: shaly, calcareous mudstone, sandstone; minor silt, marine (3000)
7a, ISACHSEN FORMATION: sandstone, sand, shale; some carbonaceous shale, siltstone, conglomerate, and coal; local agglomerate non-marine (700-1500)

JURASSIC AND CRETACEOUS

- 6 UPPER JURASSIC AND LOWER CRETACEOUS
DEER BAY FORMATION: shale; some calcareous mudstone, ferruginous mudstone, and sandstone, marine (850-2800)

JURASSIC

- 5 5b, AWINGAK FORMATION: (Upper Jurassic) sandstone, in part non-marine, shale, marine (250-1000)
5a, SAUVIK FORMATION: shaly, calcareous mudstone, marine (300-900)

TRIASSIC AND (T) JURASSIC

- 4 UPPER TRIASSIC AND (T) LOWER JURASSIC
HEIBERG FORMATION: sandstone, silty sandstone, and shale; coal; marine beds in lower part (5007-4600)
- 3 3c-3b, BLAA MOUNTAIN FORMATION: (Middle and Upper Triassic) 3c, black shale, siltstone, and silty sandstone, marine (8200); 3d, shale and sandstone; 3b, black shale; minor limestone, 3f, calcareous and non-calcareous shale, minor sandstone and limestone; 3g, sandstone and shale; 3h, shale, minor limestone and sandstone; 3i, shale; some sandstone; 3j, silty shale and siltstone (6000); 3k, silty shale and sandstone; 3m, (Undifferentiated) shale and sandstone

PERMIAN

- 2 2a, shale, silty shale, argillite; some siltstone; marine (700+); 2b, limestone; some cherty limestone and chert; 2c, vesicular and amygdaloidal basic lavas

PENNSYLVANIAN AND/OR PERMIAN

- 1 Gypsum; some limestone; local basic igneous rocks probably belonging to unit A

UNDIFFERENTIATED

- 9 Undifferentiated

Figures in parentheses are approximate thicknesses of formations in feet

Bedding (horizontal, inclined, vertical, overturned)
Bedding trend with indicated direction of dip
Fault (defined, approximate, assumed)
Anticline (defined, approximate, arrow indicates direction of plunge)
Syncline (defined, approximate, arrow indicates direction of plunge)

Geology by Y. O. Fortier, B. F. Glenister, N. J. McMillan, E. F. Root, J. G. Soutter, R. Thomsen, and E. T. Tozer, 1955

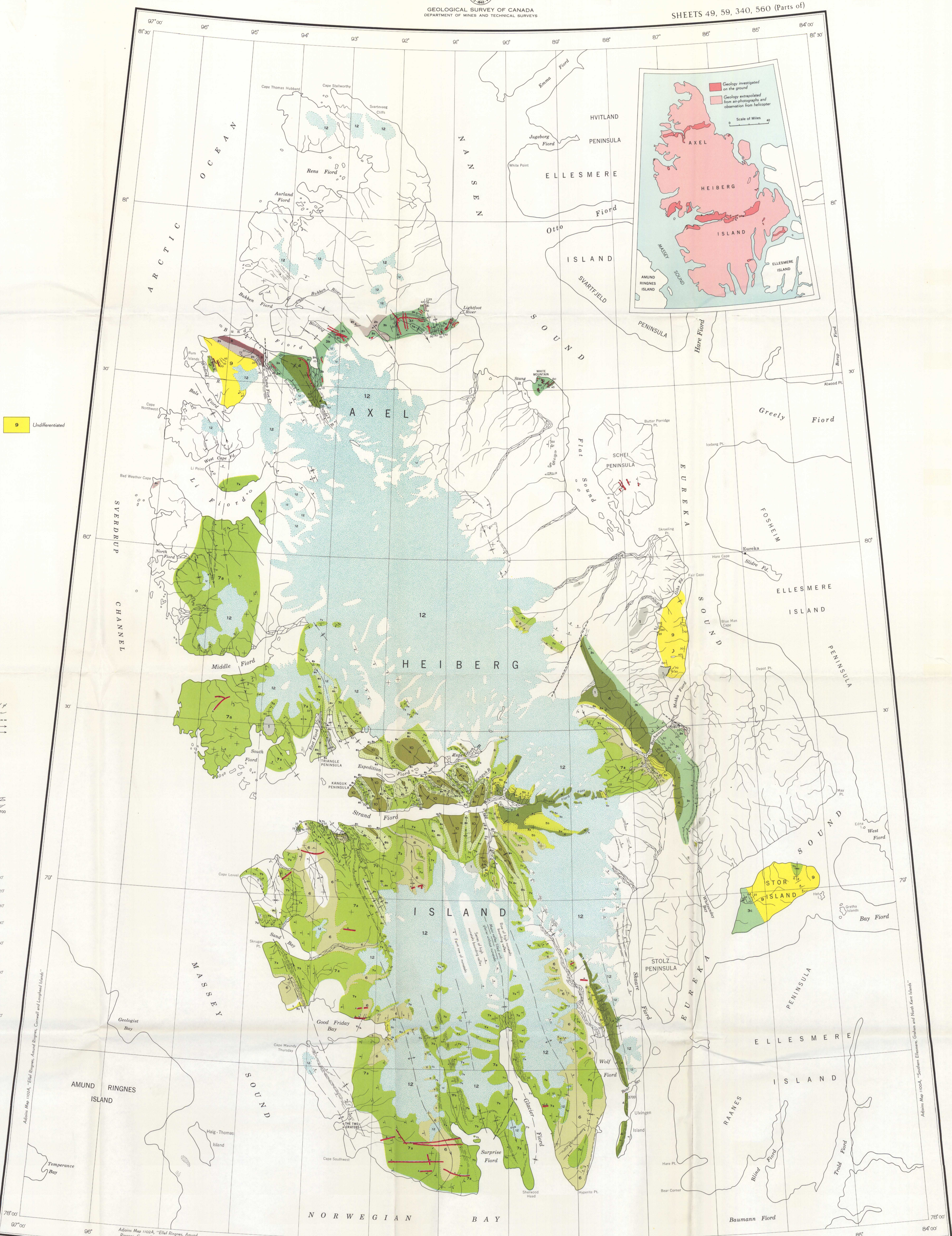
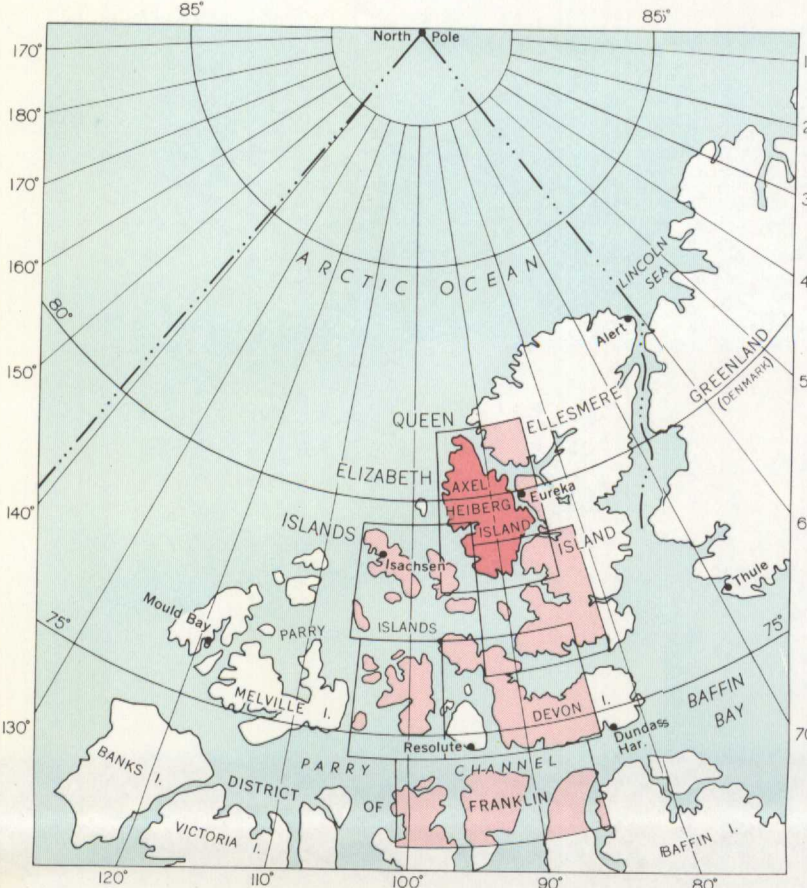
Compiled by Y. O. Fortier

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

Braced stream
Gravel, sand or mud
Height in feet above mean sea-level (approximate) 3700

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



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MAP 1101A
GEOLOGY
AXEL HEIBERG AND STOR ISLANDS

DISTRICT OF FRANKLIN
NORTHWEST TERRITORIES

Scale: One Inch to Eight Miles = 1/800,000
Miles 0 4 8 16 24

Geographical names subject to revision

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