



LEGEND

PLIESTOCENE AND RECENT
Qal Undifferentiated alluvial and deltaic sand; marine beach deposits

TERTIARY AND/OR PLEISTOCENE
Qe Gravels, cobbles and boulders
Tob BEAUFORT FORMATION: non-marine sands and gravels; abundant fossil wood

CRETACEOUS AND TERTIARY
UPPER CRETACEOUS AND TERTIARY
KTe EUREKA SOUND FORMATION: sandstone, siltstone; silty shale; unconsolidated sand; lignite

CRETACEOUS
UPPER CRETACEOUS
Kuk KANGUK FORMATION: dark grey marine shale; siltstone

LOWER AND/OR UPPER CRETACEOUS
Kh HASSEL FORMATION: varicoloured sand and sandstone; shale; coal
Kic Diabase, gabbro; may include older igneous rocks

LOWER CRETACEOUS
Kis CHRISTOPHER FORMATION: grey to black shale; minor siltstone and limestone

MESOZOIC
Kil ISACHSEN FORMATION: sandstone, sand, shale; coal

JURASSIC AND CRETACEOUS
UPPER JURASSIC AND LOWER CRETACEOUS
JKd DEER BAY FORMATION: dark grey and black marine shale

JURASSIC
Ji JAEGER FORMATION: green, glauconitic and ferruginous sand and sandstone
Js SAVIK FORMATION: grey marine shale
Jb BORDEN ISLAND FORMATION: white sandstone; platy siltstone

CARBONIFEROUS TO PERMIAN
UPPER CARBONIFEROUS TO PERMIAN
Pi Limestone, fragmental, bituminous; limestone breccia and conglomerate

CARBONIFEROUS
LOWER CARBONIFEROUS
Pc Gypsum, anhydrite; minor limestone and sandstone; may include some diabase and gabbro

Geological boundary (approximate, assumed)
Bedding (horizontal, inclined, vertical)
Fault (solid circle indicates downthrown side)
Anticline (defined, approximate, arrow indicates plunge)
Syncline (defined, approximate, arrow indicates plunge)
Ground observations:

Geology by D. F. Stott, 1967

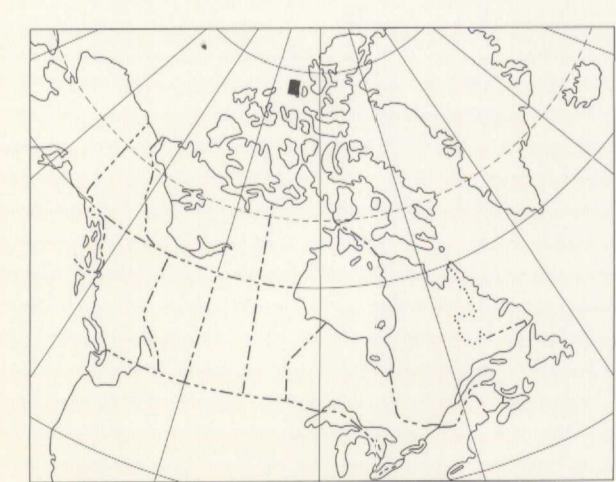
To accompany GSC Paper 68-16, by D. F. Stott

Geological cartography by the Institute of Sedimentary and Petroleum Geology, Geological Survey of Canada, 1968

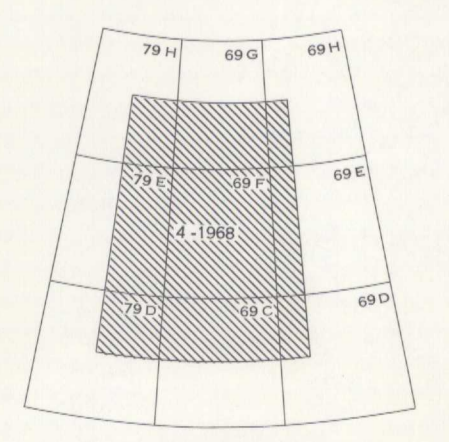
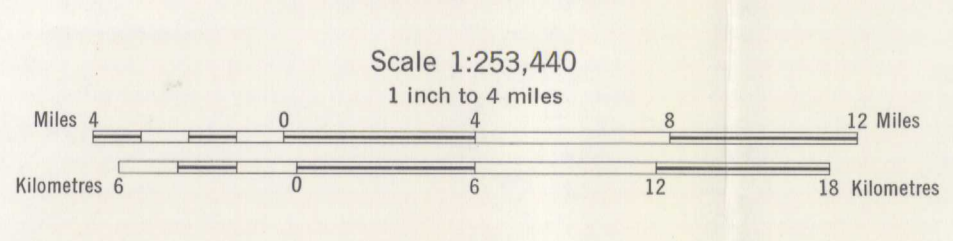
Base-map (King Christian Island, Cape Nathorst, Hassel Sound, Ellef Ringnes Island, Peary Channel, Deer Bay and Cape Isachsen) published by the Army Survey Establishment, R.C.E., 1964, 1965

The daily change of the North Magnetic Pole causes the magnetic compass to be very erratic in this area

All elevations in feet above mean sea-level



MAP 4-1968
PAPER 68-16
GEOLOGY
ELLEF RINGNES ISLAND
DISTRICT OF FRANKLIN



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DISTRICT OF FRANKLIN