

LEGEND

SEDIMENTARY, IGNEOUS AND METAMORPHIC ROCKS

- QUATERNARY**
- Q** Stream, deltaic, glacial, and marine beach sediments (mapped only where underlying bedrock geology cannot be inferred with reasonable certainty)
- TERTIARY**
- Te** EUREKA SOUND FORMATION: sandstone, siltstone, shale; minor conglomerate and coal
- CRETACEOUS**
- UPPER CRETACEOUS**
- Kk** KANGUK FORMATION: dark coloured shale; minor siltstone, sandstone and mudstone
- Kh** HASSEL FORMATION: sandstone; minor siltstone and shale
- LOWER CRETACEOUS**
- Kc** CHRISTOPHER FORMATION: dark coloured shale; minor siltstone, sandstone and mudstone
- Ki** ISACHSEN FORMATION: sandstone; minor siltstone, shale and conglomerate
- TRIASSIC**
- MIDDLE AND UPPER TRIASSIC**
- Ts** SCHEI POINT FORMATION: calcareous sandstone and siltstone; minor shale
- LOWER TRIASSIC**
- Tb** BJORNE FORMATION: sandstone (mainly red), conglomerate; minor siltstone and shale
- DEVONIAN**
- MIDDLE AND UPPER DEVONIAN**
- Dob** OKSE BAY FORMATION (see note 2): sandstone, siltstone and shale (mainly red)
- LOWER AND MIDDLE DEVONIAN**
- Dbi** BLUE FIORD FORMATION: limestone and dolomite
- LOWER DEVONIAN**
- De** EIDS FORMATION: siltstone, shale, sandstone; minor limestone
- SILURIAN AND DEVONIAN**
- LOWER, MIDDLE AND UPPER SILURIAN AND LOWER DEVONIAN**
- S-Dcp** CAPE PHILLIPS FORMATION: dark coloured graptolitic shale, siltstone, limestone and dolomite
- ORDOVICIAN, SILURIAN AND DEVONIAN**
- UPPER ORDOVICIAN, LOWER, MIDDLE AND UPPER SILURIAN AND LOWER DEVONIAN**
- O-Dcp** CAPE PHILLIPS FORMATION: dark coloured graptolitic shale, siltstone; minor limestone and dolomite
- ORDOVICIAN AND SILURIAN**
- UPPER ORDOVICIAN AND LOWER SILURIAN**
- OSa** ALLEN BAY FORMATION: dolomite, medium grey to black chert nodules; thin limestone at base
- LOWER DEVONIAN**
- Dv** VENDOM FIORD FORMATION: sandstone, siltstone (mainly red); minor anhydrite and conglomerate
- UPPER ORDOVICIAN, LOWER, MIDDLE AND UPPER SILURIAN AND LOWER DEVONIAN**
- O-Dar** ALLEN BAY AND READ BAY FORMATIONS (Undivided): (lower part); dolomite, porous to vuggy, grey and brown (upper part); limestone, sandy and shaly, thin- to medium-bedded
- ORDOVICIAN**
- MIDDLE ORDOVICIAN**
- CORNWALLIS GROUP**
- Oci** IRENE BAY FORMATION: limestone with interbedded green shale;
Oct THUMB MOUNTAIN FORMATION: limestone;
Ocb BAY FIORD FORMATION: limestone, dolomite, greenish siltstone, anhydrite and gypsum
- LOWER AND MIDDLE ORDOVICIAN**
- Oe** ELEANOR RIVER FORMATION: limestone
- LOWER ORDOVICIAN**
- Ob** BAUMANN FIORD FORMATION: light coloured anhydrite, gypsum; minor limestone
- Oco** COPES BAY FORMATION: limestone, flat-pebble conglomerate; minor anhydrite and gypsum
- LOWER ORDOVICIAN**
- Ou** (Undivided) NYGAARD BAY FORMATION: limestone; POULSEN CLIFF FORMATION: shale; CAPE CLAY FORMATION: limestone and dolomite; CASS FIORD FORMATION: limestone and flat-pebble conglomerate
- CAMBRIAN**
- LOWER AND MIDDLE CAMBRIAN**
- CU** (Undivided) CAPE WOOD FORMATION (Middle Cambrian): limestone, dolomite; minor conglomerate; CAPE KENT FORMATION (Lower Cambrian): dolomite and dolomitic limestone; POLICE POST FORMATION (Lower Cambrian): sandstone and limestone; CAPE INGERSOLL FORMATION (Lower Cambrian): dolomite; CAPE LEIPER FORMATION (Lower Cambrian): dolomite; RENSSLAER BAY FORMATION (Lower Cambrian): sandstone (Sverdrup Member only)
- PCg** Gneiss, granite, migmatite and related rocks (not studied in detail)

NOTES

- In this area the Blue Fiord Formation is characterized by conspicuous interbeds of clastic rocks.
- The Middle Devonian Blue Fiord Formation that occurs normally between the Blue Fiord and Okse Bay Formations is not present in this map-area. Strata equivalent to the Blue Fiord Formation are believed to be included in the lower part of the Okse Bay Formation. Accordingly the Okse Bay Formation, which is Late Devonian in age in the type locality (see Baumann Fiord map-area), is shown here as also including Middle Devonian rocks.

Geological cartography by the Institute of Sedimentary and Petroleum Geology, Geological Survey of Canada, 1971

- Horizontal control point Δ
- Intermittent stream - - - - -
- Lake, indefinite [Symbol]
- Dry river bed with channel [Symbol]
- Icefield, glacier [Symbol]
- Tundra polygons [Symbol]
- Contours (interval 500 feet) [Symbol]
- Height in feet above mean sea-level [Symbol]

Topographic base-map at the same scale published by the Surveys and Mapping Branch 1967, with revisions by the Institute of Sedimentary and Petroleum Geology, 1971

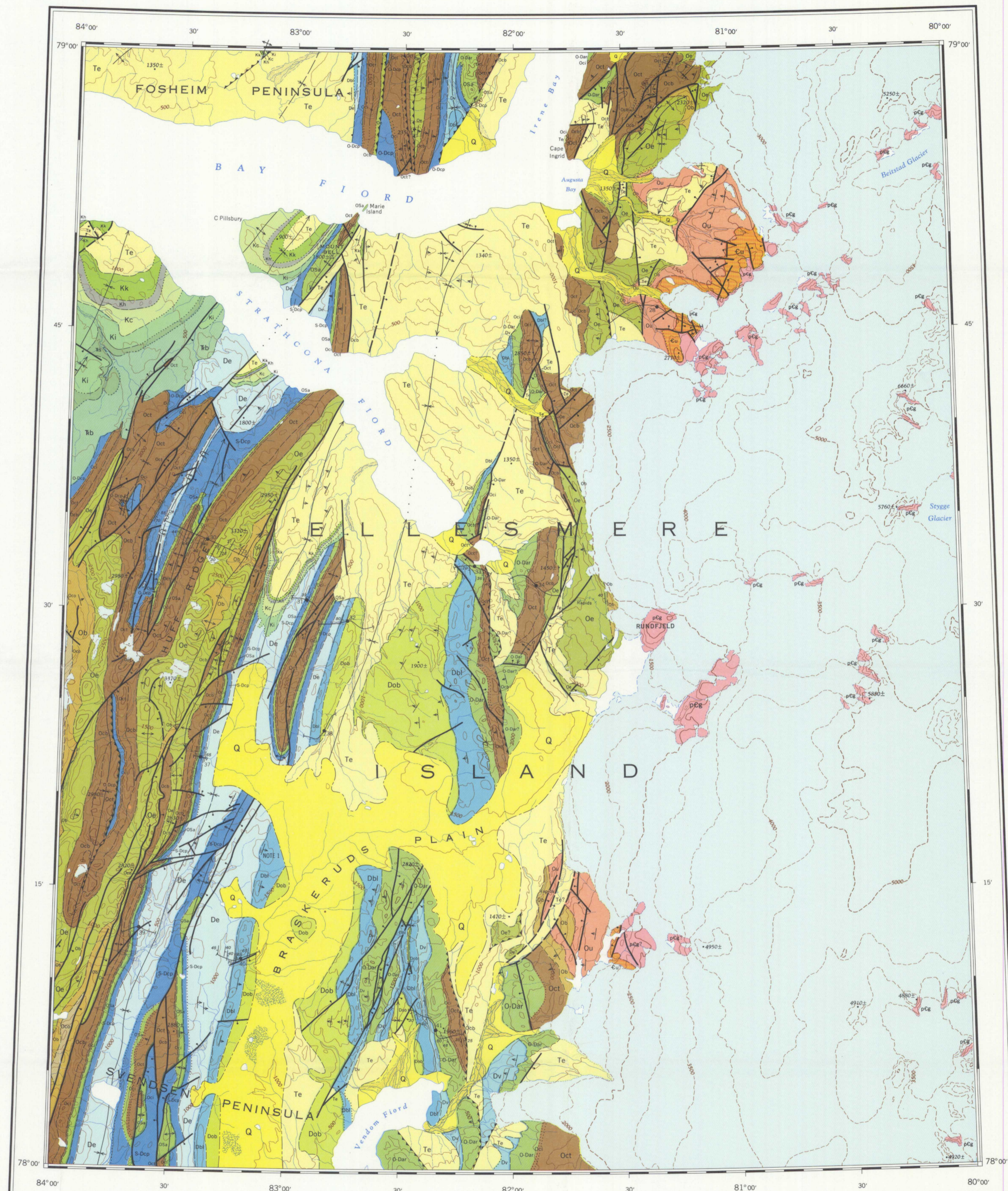
The daily change of the North Magnetic Pole causes the magnetic compass to be very erratic in this area

- Geological boundary (defined, approximate, assumed) [Symbol]
- Bedding, tops known (horizontal, inclined, vertical, overturned) [Symbol]
- Bedding (from air photographs or observed from aircraft) [Symbol]
- Fault (defined, approximate; solid circle on downthrow side) [Symbol]
- Thrust fault (defined, approximate; teeth on upthrust side) [Symbol]
- Anticline (defined; showing culmination and plunge of axis) [Symbol]
- Syncline (defined, approximate, overturned; showing plunge of axis) [Symbol]
- Fossil locality [Symbol]
- Measured section showing approximate line of traverse [Symbol]
- Boundary of Quaternary sediments [Symbol]
- Geological boundary, fold axis or fault, inferred beneath water, glacier or Quaternary sediments [Symbol]
- Line of facies change (approximate) [Symbol]

Geology of Mesozoic and younger rocks by R. Thorsteinsson 1962, and E.T. Tozer 1962

Geology of Devonian and older rocks by J.W. Kerr 1961, 1962

Compilation by R. Thorsteinsson 1970, 1971

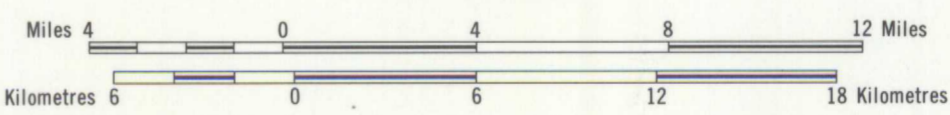


Published, 1972
Copies of this map may be obtained from the Geological Survey of Canada, Ottawa

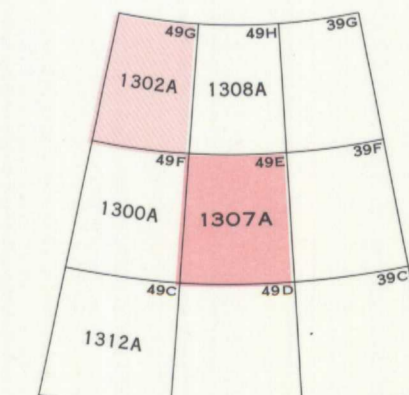
Printed by the Surveys and Mapping Branch

MAP 1307A
GEOLOGY
STRATHCONA FIORD
DISTRICT OF FRANKLIN

Scale 1:250,000



INDEX MAP



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MAP 1307A
STRATHCONA FIORD
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