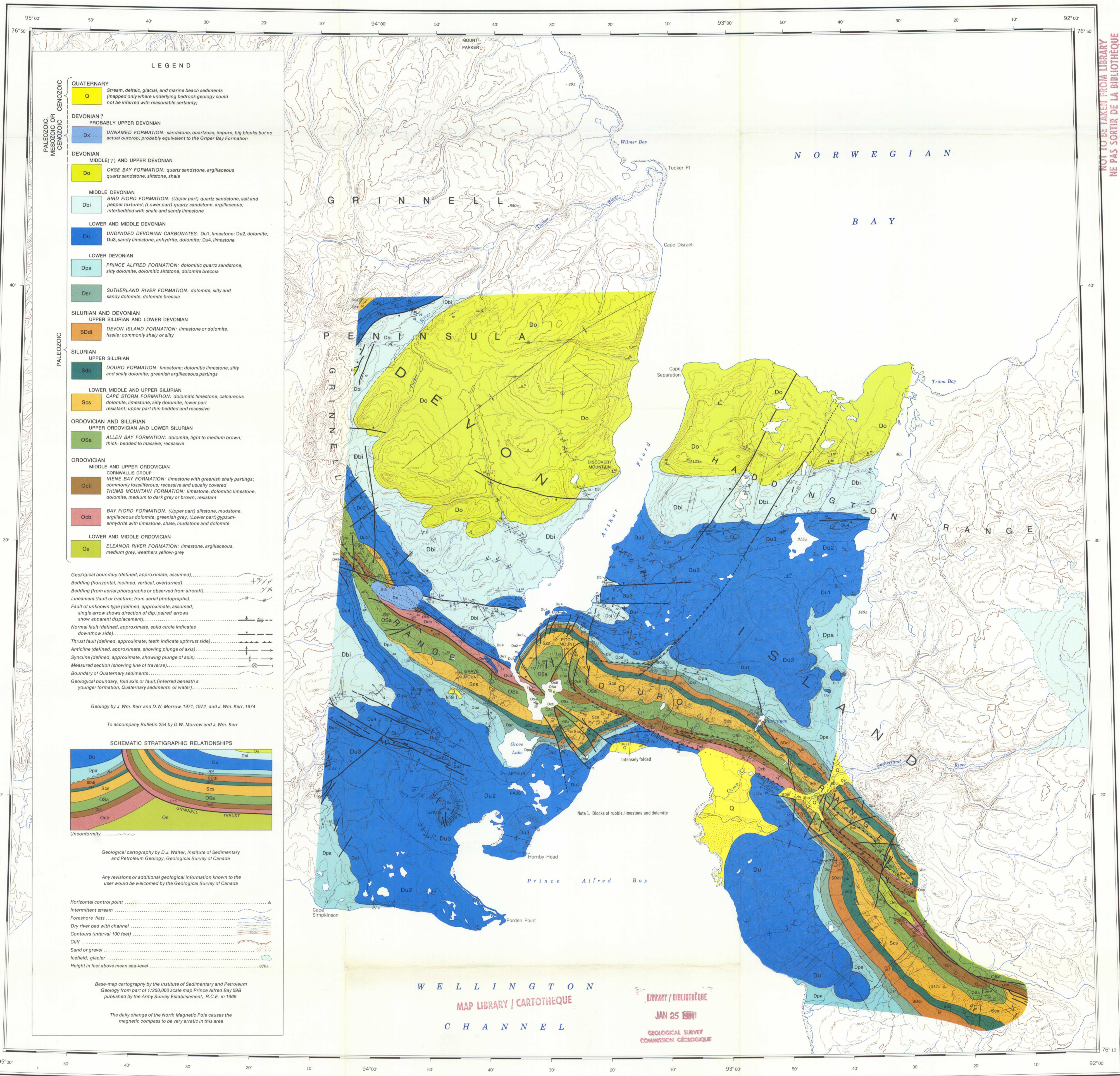


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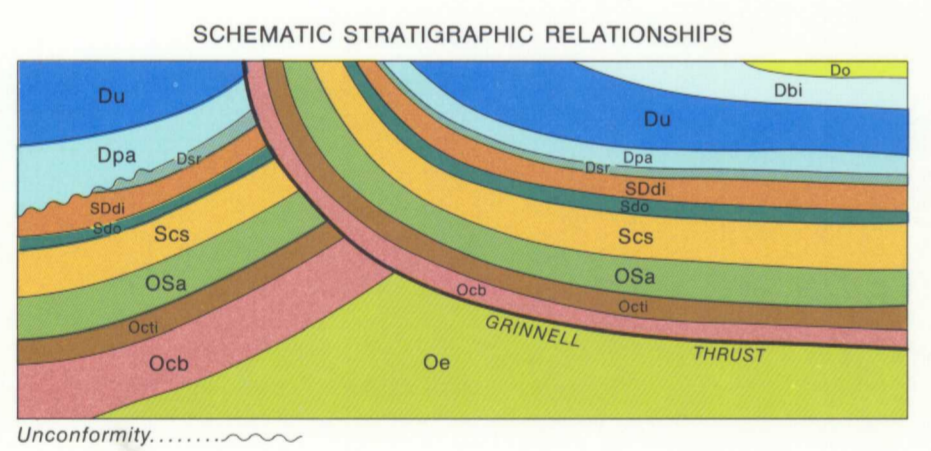
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- LEGEND**
- QUATERNARY**
O Stream, deltaic, glacial, and marine beach sediments (mapped only where underlying bedrock geology could not be inferred with reasonable certainty)
- DEVONIAN?**
PROBABLY UPPER DEVONIAN
Dx UNNAMED FORMATION: sandstone, quartzose, impure, big blocks but no actual outcrop; probably equivalent to the Griper Bay Formation
- DEVONIAN**
MIDDLE(?) AND UPPER DEVONIAN
Do OKSE BAY FORMATION: quartz sandstone, argillaceous quartz sandstone, siltstone, shale
- MIDDLE DEVONIAN**
Dbi BIRD FIORD FORMATION: (Upper part) quartz sandstone, salt and pepper textured; (Lower part) quartz sandstone, argillaceous; interbedded with shale and sandy limestone
- LOWER AND MIDDLE DEVONIAN**
Du UNDIVIDED DEVONIAN CARBONATES: Du1, limestone; Du2, dolomite; Du3, sandy limestone, anhydrite, dolomite; Du4, limestone
- LOWER DEVONIAN**
Dpa PRINCE ALFRED FORMATION: dolomitic quartz sandstone, silty dolomite, dolomitic siltstone, dolomite breccia
Dsr SUTHERLAND RIVER FORMATION: dolomite, silty and sandy dolomite, dolomite breccia
- SILURIAN AND DEVONIAN**
UPPER SILURIAN AND LOWER DEVONIAN
Sdi DEVON ISLAND FORMATION: limestone or dolomite, fissile; commonly shaly or silty
- SILURIAN**
UPPER SILURIAN
Sdo DOURO FORMATION: limestone, dolomitic limestone, silty and shaly dolomite; greenish argillaceous partings
- LOWER, MIDDLE AND UPPER SILURIAN**
Sca CAPE STORM FORMATION: dolomitic limestone, calcareous dolomite, limestone, silty dolomite; lower part resistant; upper part thin bedded and recessive
- ORDOVICIAN AND SILURIAN**
UPPER ORDOVICIAN AND LOWER SILURIAN
Osa ALLEN BAY FORMATION: dolomite, light to medium brown; thick-bedded to massive; recessive
- ORDOVICIAN**
MIDDLE AND UPPER ORDOVICIAN
Cornwallis Group
Octi IRENE BAY FORMATION: limestone with greenish shaly partings; commonly fossiliferous; recessive and usually covered
Thumb Mountain Formation: limestone, dolomitic limestone, dolomite, medium to dark grey or brown; resistant
Ocb BAY FIORD FORMATION: (Upper part) siltstone, mudstone, argillaceous dolomite, greenish grey; (Lower part) gypsum-anhydrite with limestone, shale, mudstone and dolomite
- LOWER AND MIDDLE ORDOVICIAN**
Oe ELEANOR RIVER FORMATION: limestone, argillaceous, medium grey, weathers yellow-grey

- Geological boundary (defined, approximate, assumed).....
- Bedding (horizontal, inclined, vertical, overturned).....
- Bedding (from aerial photographs or observed from aircraft).....
- Lineament (fault or fracture; from aerial photographs).....
- Fault of unknown type (defined, approximate, assumed; single arrow shows direction of dip; paired arrows show apparent displacement).....
- Normal fault (defined, approximate, solid circle indicates downthrow side).....
- Thrust fault (defined, approximate; teeth indicate upthrust side).....
- Anticline (defined, approximate, showing plunge of axis).....
- Syncline (defined, approximate, showing plunge of axis).....
- Measured section (showing line of traverse).....
- Boundary of Quaternary sediments.....
- Geological boundary, fold axis or fault, (inferred beneath a younger formation, Quaternary sediments or water).....

Geology by J. Wm. Kerr and D. W. Morrow, 1971, 1972, and J. Wm. Kerr, 1974
To accompany Bulletin 254 by D. W. Morrow and J. Wm. Kerr



Geological cartography by D.J. Walter, Institute of Sedimentary and Petroleum Geology, Geological Survey of Canada

Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

- Horizontal control point.....
- Intermittent stream.....
- Foreshore flats.....
- Dry river bed with channel.....
- Contours (interval 100 feet).....
- Cliff.....
- Sand or gravel.....
- Icefield, glacier.....
- Height in feet above mean sea-level..... 670±

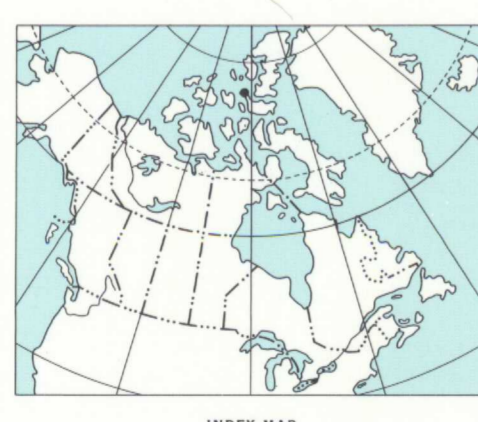
Base-map cartography by the Institute of Sedimentary and Petroleum Geology from part of 1:250,000 scale map Prince Alfred Bay 59B published by the Army Survey Establishment, R.C.E. in 1966

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

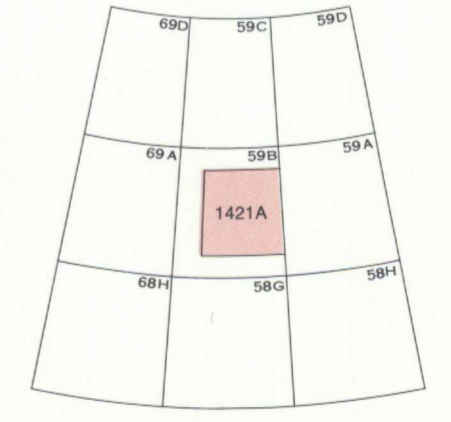
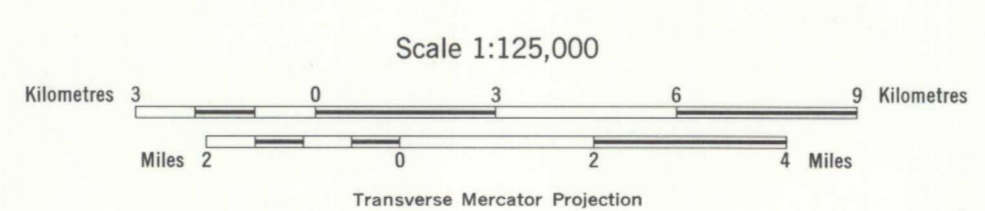
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MAP 1421A
GEOLOGY
GEOLOGY OF THE PRINCE ALFRED BAY AREA, DEVON ISLAND
DISTRICT OF FRANKLIN



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