



LEGEND

NORTH OF CANYON FIORD SYNCLINE

CANYON FIORD SYNCLINE TO PRINCESS MARIE BAY

SOUTH OF PRINCESS MARIE BAY

PALEOZOIC

PRECAMBRIAN

<b>DEVONIAN</b> LOWER DEVONIAN	<b>Dv</b> VENDOR FIORD FORMATION: sandstone, siltstone (mainly red); minor conglomerate and anhydrite	<b>DEVONIAN</b> LOWER DEVONIAN	<b>Dbl</b> BLUE FIORD FORMATION: limestone	<b>DEVONIAN</b> LOWER DEVONIAN	<b>Dc</b> UNNAMED CLASTIC ROCKS: siltstone, shale, sandstone, variably calcareous, recessive
	<b>Dc</b> UNNAMED CLASTIC ROCKS: siltstone, shale, sandstone, variably calcareous, recessive				
<b>SILURIAN AND DEVONIAN</b> LOWER, MIDDLE AND UPPER SILURIAN, AND LOWER DEVONIAN	<b>SDcp</b> CAPE PHILLIPS FORMATION: dark coloured graptolitic shale, siltstone; minor limestone and dolomite	<b>ORDOVICIAN, SILURIAN, AND DEVONIAN</b> UPPER ORDOVICIAN, LOWER, MIDDLE AND UPPER SILURIAN, AND LOWER DEVONIAN	<b>O-Dar</b> (Undivided) READ BAY FORMATION: limestone, siltstone; ALLEN BAY FORMATION: dolomite	<b>ORDOVICIAN, SILURIAN, AND DEVONIAN</b> UPPER ORDOVICIAN, LOWER, MIDDLE AND UPPER SILURIAN, AND LOWER DEVONIAN	<b>O-Dar</b> (Undivided) READ BAY FORMATION: limestone, siltstone; ALLEN BAY FORMATION: dolomite
<b>ORDOVICIAN AND SILURIAN</b> UPPER ORDOVICIAN AND LOWER SILURIAN	<b>Osa</b> ALLEN BAY FORMATION: dolomite; minor limestone	<b>ORDOVICIAN, SILURIAN, AND DEVONIAN</b> UPPER ORDOVICIAN, LOWER, MIDDLE AND UPPER SILURIAN, AND LOWER DEVONIAN	<b>O-Dar</b> (Undivided) READ BAY FORMATION: limestone, siltstone; ALLEN BAY FORMATION: dolomite	<b>ORDOVICIAN, SILURIAN, AND DEVONIAN</b> UPPER ORDOVICIAN, LOWER, MIDDLE AND UPPER SILURIAN, AND LOWER DEVONIAN	<b>O-Dar</b> (Undivided) READ BAY FORMATION: limestone, siltstone; ALLEN BAY FORMATION: dolomite
<b>ORDOVICIAN</b> MIDDLE ORDOVICIAN CORNWALLIS GROUP (Undivided)	<b>Oc</b> IRENE BAY FORMATION: limestone with interbeds of green shale; THUMB MOUNTAIN FORMATION: limestone; BAY FIORD FORMATION: limestone, dolomite, greenish siltstone, anhydrite and gypsum (recessive)	<b>ORDOVICIAN</b> MIDDLE ORDOVICIAN CORNWALLIS GROUP (Undivided)	<b>Oc</b> IRENE BAY FORMATION: limestone with interbeds of green shale; THUMB MOUNTAIN FORMATION: limestone; BAY FIORD FORMATION: limestone, dolomite, greenish siltstone, anhydrite and gypsum (recessive)	<b>ORDOVICIAN</b> MIDDLE ORDOVICIAN CORNWALLIS GROUP (Undivided)	<b>Oc</b> IRENE BAY FORMATION: limestone with interbeds of green shale; THUMB MOUNTAIN FORMATION: limestone; BAY FIORD FORMATION: limestone, dolomite, greenish siltstone, anhydrite and gypsum (recessive)
	<b>Oe</b> ELEANOR RIVER FORMATION: limestone		<b>Oe</b> ELEANOR RIVER FORMATION: limestone		<b>Oe</b> ELEANOR RIVER FORMATION: limestone
	<b>Ob</b> BAUMANN FIORD FORMATION: anhydrite, gypsum; minor limestone (recessive)		<b>Ob</b> BAUMANN FIORD FORMATION: anhydrite, gypsum; minor limestone (recessive)		<b>Ob</b> BAUMANN FIORD FORMATION: anhydrite, gypsum; minor limestone (recessive)
	<b>Oco</b> COPES BAY FORMATION: limestone; minor flat-pebble conglomerate, anhydrite, and dolomite		<b>Oco</b> COPES BAY FORMATION: limestone; minor flat-pebble conglomerate, anhydrite, and dolomite		<b>Ou</b> (Undivided) NYGAARD BAY FORMATION: limestone; POULSEN CLIFF FORMATION: shale; CAPE CLAY FORMATION: limestone and dolomite; CASS FIORD FORMATION: limestone and flat-pebble conglomerate
<b>CAMBRIAN</b> MIDDLE CAMBRIAN	<b>Cpg</b> PARRISH GLACIER FORMATION: sandstone, limestone; minor flat-pebble conglomerate (contains units of red and green sandstone)	<b>CAMBRIAN</b> LOWER AND MIDDLE CAMBRIAN	<b>Cu</b> (Undivided) CAPE WOOD FORMATION: limestone, dolomite, and minor conglomerate (Middle Cambrian); CAPE KENT FORMATION: dolomite and dolomitic limestone; POLICE POST FORMATION: sandstone and limestone; CAPE INGERSOLL FORMATION: dolomite; CAPE LEIPER FORMATION: dolomite; RENNELAER BAY FORMATION: sandstone; includes Sverdrup Member of formation only (Lower Cambrian)		
	<b>Csb</b> SCORESBY BAY FORMATION: dolomite				
<b>PROTEROZOIC AND CAMBRIAN</b> PROTEROZOIC AND LOWER CAMBRIAN ELLESMEIRE GROUP (Lower Cambrian)	<b>PCu</b> KANE BASIN FORMATION: sandstone, siltstone; RAWLINGS BAY FORMATION: sandstone and conglomerate; ELLA BAY FORMATION (Proterozoic) dolomite	<b>ARCHEAN</b>	<b>pCg</b> Gneiss, granite, migmatite, and related rocks (not studied in detail)		

Geology north of Lat. 79°15' by J. Wm. Kerr, 1961, 1962  
Geology south of Lat. 79°15' by R.L. Christie, 1961

Compiled by J. Wm. Kerr, 1972

NOTE

This is a facies change within an unnamed Devonian clastic formation. The rocks beneath are mainly limy siltstone weathering grey, and resemble the Eids Formation. The rocks above are mainly mudstone, siltstone, and fine-grained sandstone, being mainly deep red on both fresh and weathered surfaces.

Geological cartography by the Institute of Sedimentary and Petroleum Geology, Geological Survey of Canada, 1972

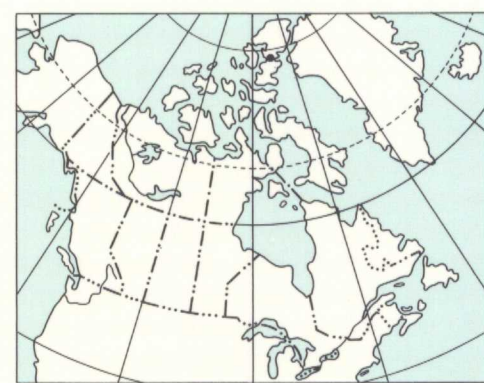
Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

Copies of the topographic edition of this map may be obtained from the Canada Map Office, 615 Booth Street, Ottawa, Ontario K1A 0E9

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

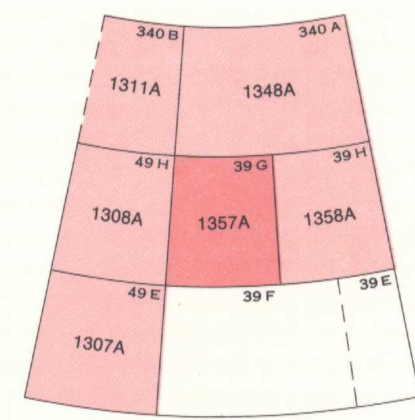
Elevations in feet above mean sea-level

Geographical names subject to revision

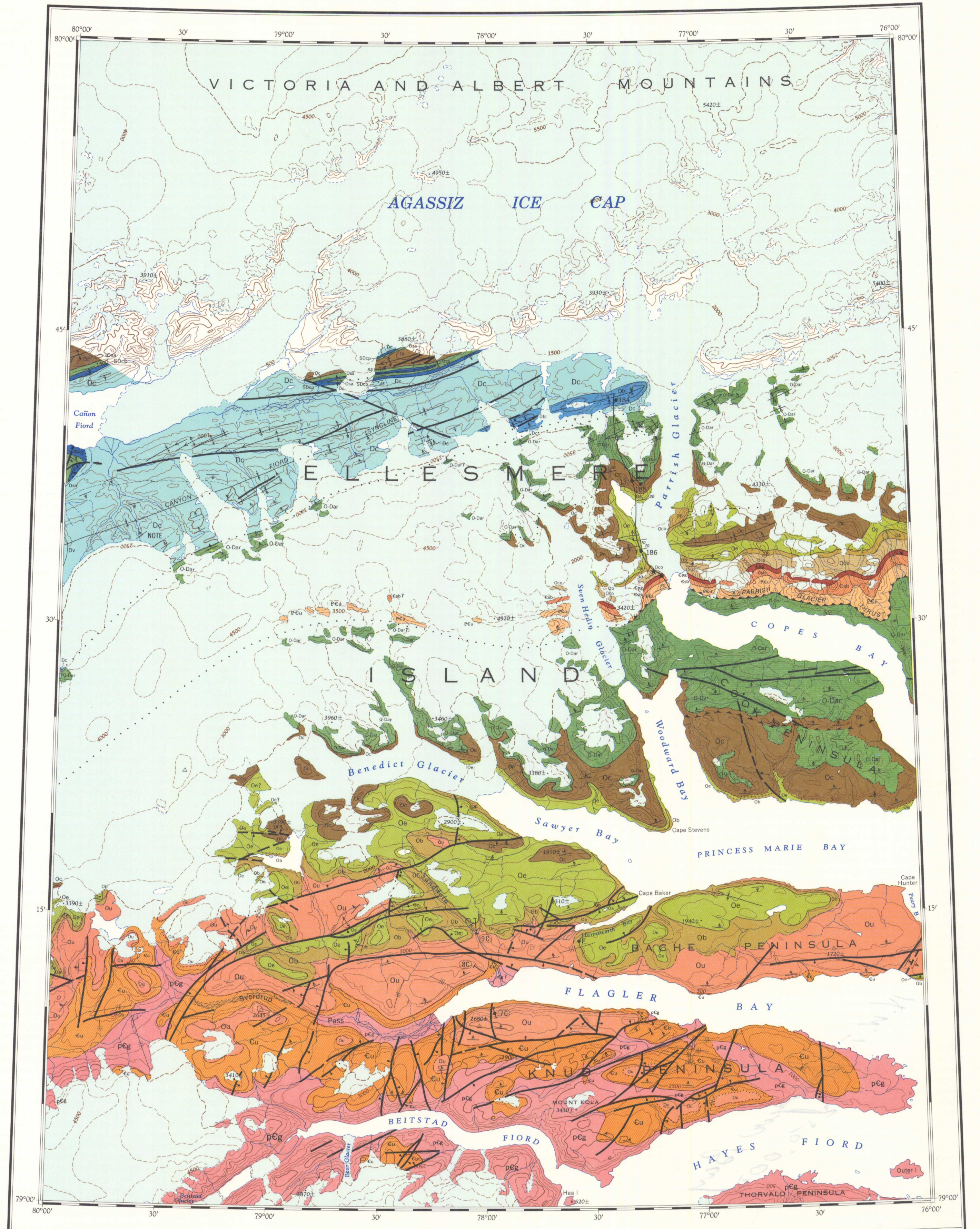


INDEX MAP

Geological boundary (defined, approximate, assumed)	— · — · — ·
Facies change	.....
Bedding, tops known (inclined)	— / — / — /
Bedding from air photographs or observed from aircraft (inclined, vertical, overturned)	— / — / — /
Lineament	— — — —
Fault (defined, approximate; solid circle indicates downthrow side)	— — — —
Fault uncertain type (defined, approximate)	— — — —
Thrust fault (defined, assumed; teeth indicate upthrust side)	— — — —
Anticline (defined, approximate; showing plunge of axis)	— — — —
Syncline (defined, approximate, overturned; showing plunge of axis)	— — — —
Fossil locality	— — — —
Measured section showing section number and approximate line of traverse	— — — —
Geological boundary, fold axis, or fault, inferred beneath water or glacier	— · — · — ·
Type section	— — — —



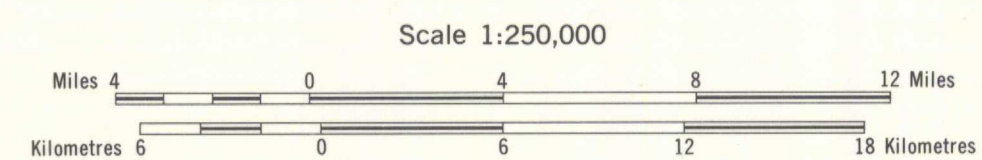
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MAP 1357A  
GEOLOGY  
SAWYER BAY  
DISTRICT OF FRANKLIN



MAP 1357A  
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DISTRICT OF FRANKLIN

1357A

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