

LEGEND	
QUATERNARY	Q Stream, deltaic, glacial, and marine beach sediments (mapped only where underlying bedrock geology could not be inferred with reasonable certainty)
	CRETACEOUS AND POSSIBLY TERTIARY
KTe	INDIVIDUAL ROCKS: andesite, dykes and plugs; includes one flow that is interbedded with the Eureka Sound Formation at the head of Framers Cove
	EUREKA SOUND FORMATION: sandstone, shale, coal, interbedded basic lava flow
JURASSIC	Ji JAEGER FORMATION: sandstone, quartzite
	Rh REBERG FORMATION: quartz sandstone, minor ferruginous sandstone and coal
	Ts SCHI POINT FORMATION: calcareous sandstone, bioclastic limestone
	Tb BJORNE FORMATION: quartz sandstone, crossbedded
PERMIAN	PtF TROLD FJORD FORMATION: sandstone, glauconitic, minor chert
	Pbc BELCHER CHANNEL FORMATION: limestone, dolomitic, porous to waxy, minor chert
	Dmg DEVONIAN
DEVONIAN	MdM MELVILLE ISLAND GROUP
	GRIFFIN BAY FORMATION: quartz sandstone, siltstone, shale, commonly greenish weathering
MIDDLE DEVONIAN	Dmh NECLA BAY FORMATION: quartz sandstone, resistant to recessive
	Dbi BIRD FJORD FORMATION: limestone, quartz sandstone, siltstone, commonly greenish
LOWER AND MIDDLE DEVONIAN	Dbl BLUE FJORD FORMATION: limestone, micritic in south and east; biotinitic to the north and west
	De EIDS FORMATION: limestone, siltstone, shale, fossiliferous in north and east; resistant in east and south
LOWER DEVONIAN	Dst STUART BAY FORMATION: siltstone, shale, limy, minor conglomerate and limestone interbeds; in south and east limestone is abundant
	Dba BATHURST ISLAND FORMATION: siltstone, fine-grained sandstone, dolomite, minor limestone
UPPER ORIGINALLY TO LOWER DEVONIAN	O-Dcp CAPE PHILLIPS FORMATION: siltstone, shale, argillaceous limestone, granitic; minor dolomite
	Ocl CORNWALLIS GROUP
Ocl	IRINE BAY FORMATION: limestone, thin-bedded, green limy, shaly, micritic, calcareous
	THUMB MOUNTAIN FORMATION: limestone, thick-bedded, bluish, fossiliferous, minor dolomite
Ocb	BAY FJORD FORMATION: argillaceous and argillaceous shale, dolomite of limestone and limy dolomite

Geological boundary (defined, approximate, assumed)
Line of focus change
Bedding (horizontal, inclined, vertical, overturned)
Bedding from air photographs or observed from aircraft
Normal fault (defined, approximate, solid circle indicates downthrown side)
Strike-slip fault (defined, arrows indicate direction of movement)
Thrust fault (defined, teeth indicate upthrown side)
Anticline (defined, approximate, showing culmination and plunge of axis)
Syncline (defined, approximate, showing culmination and plunge of axis)
Fault locality
Locality where age has been determined radiometrically
Measured section (showing location or line of traverse, and section number)
Boundary of Quaternary sediments
Geological boundary, fold axis, or fault, inferred beneath water, glacier, or Quaternary sediments
Line of section
Abandoned well

INDEX TO WELLS	
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Geology by J. Wm. Kerr, 1963, 1964

To accompany GSC Memoir 000, by J. Wm. Kerr

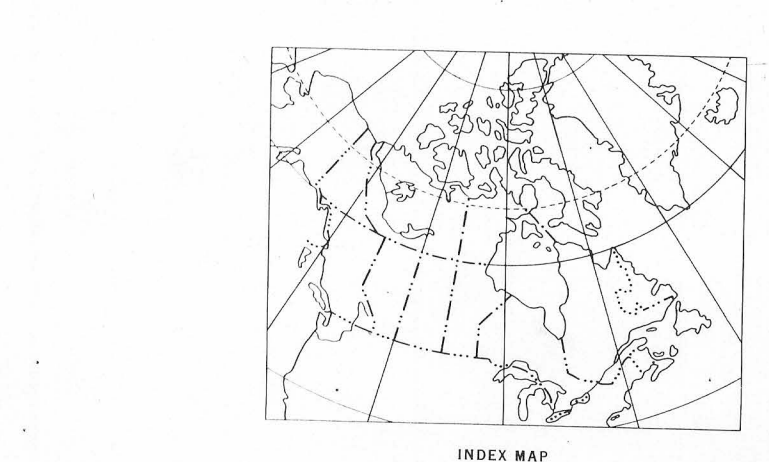
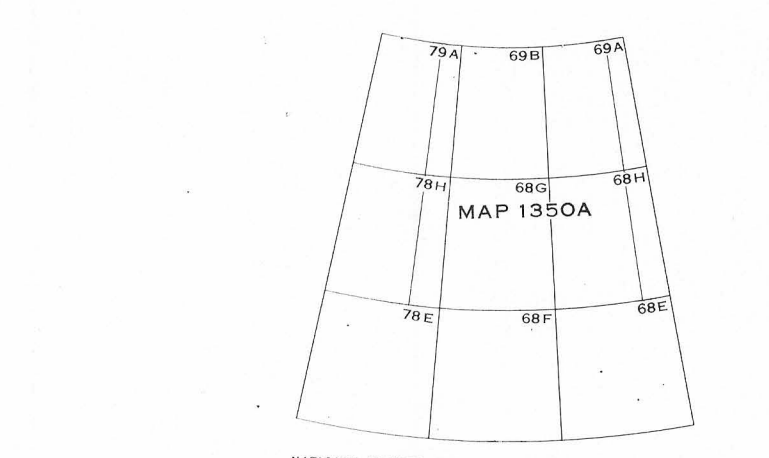
Geological cartography by the Institute of Sedimentary and Petroleum Geology, 1972

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

Horizontal control point
Intermittent stream
Perennial stream
Contours (interval 100 feet)
Recessed beaches, sand
Height in feet above mean sea level

Base map cartography by the Institute of Sedimentary and Petroleum Geology, Geological Survey of Canada, 1973, from maps published at 1:250,000 scale (McDougal Sound, Graham Moore Bay, Point Barrow, Alaska Island and part of Dorset Point, Byam Channel, Loxley Island) by the Army Survey Establishment, R.C.E.C., in 1965, 1966

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



BATHURST ISLAND GROUP AND BYAM MARTIN ISLAND DISTRICT OF FRANKLIN

Scale 1:250,000
Miles 0 4 8 12
Kilometres 0 4 8 12

OF
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