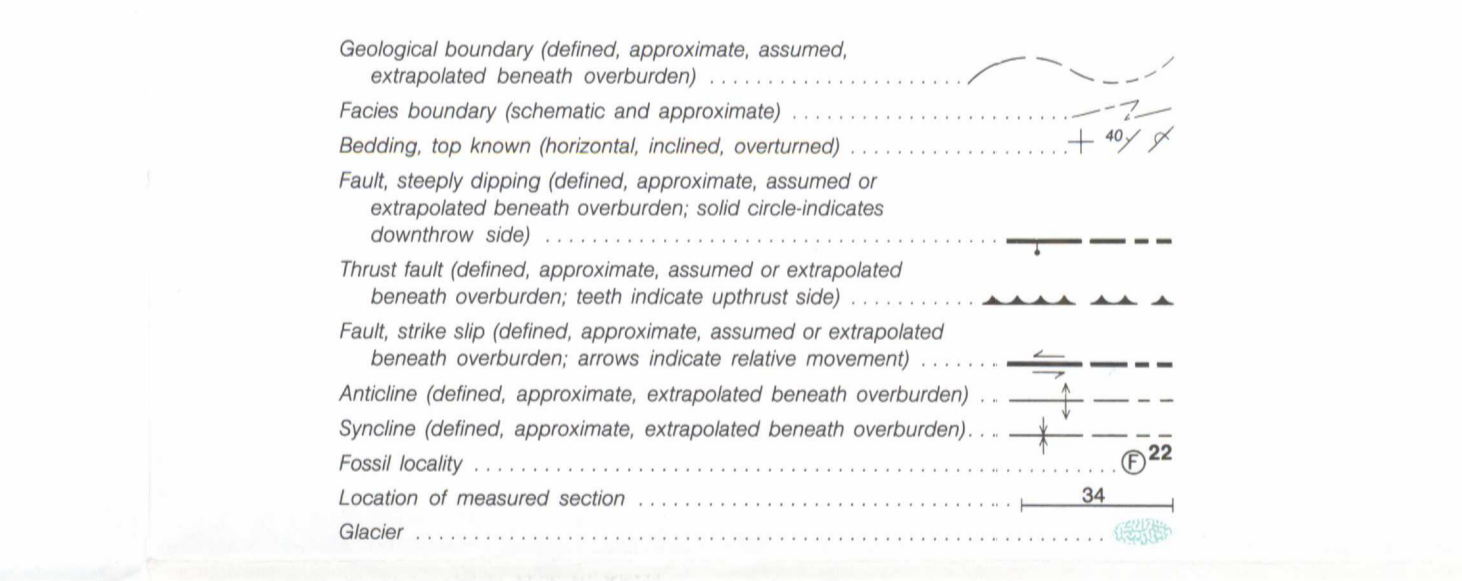


Diagrammatic rock stratigraphic cross-section

- LEGEND**
- CENOZOIC**
PLEISTOCENE AND RECENT
 Q Unconsolidated glacial and alluvial deposits
- PALEOZOIC**
DEVONIAN AND MISSISSIPPIAN
 UPPER DEVONIAN TO MID-MISSISSIPPIAN
 EARLY GROUP (Dp - Dmp)
 DMP PREVOST FORMATION: DMP2, brown weathering shale; minor chert-quartz sandstone
 LOWER TO UPPER DEVONIAN
 DP PORTRAIT LAKE FORMATION: DP2, black, gun-blue and bluish-white weathering, black, siliceous shale; thin to medium bedded, black chert
- DEVONIAN**
 MIDDLE DEVONIAN
 DF FUNERAL FORMATION: buff orange weathering, recessive, thin bedded, fine crystalline, variably argillaceous to silty limestone
 LOWER DEVONIAN
 DGB GRIZZLY BEAR FORMATION: blue-grey weathering, resistant, thin to very thick bedded, grey crystalline limestone characterized by abundant crinoid stem fragments with twin axial canals
- SILURIAN TO LOWER DEVONIAN**
 SDS SAPPER FORMATION: SDS1, (limestone member - lower Sapper) blue-grey weathering, thin bedded, cryptocrystalline to fine crystalline, black limestone; SDS2, (silty limestone member - upper Sapper) tan, buff or dark grey weathering, recessive, thin bedded, laminated, argillaceous, fine crystalline limestone
- UPPER CAMBRIAN TO LOWER SILURIAN**
 CSH HAYWIRE FORMATION: CSH1, (sandy carbonate member - local basal Haywire) maroon mudstone, thick bedded, fine to medium crystalline, light coloured dolomite, and medium bedded, medium to coarse grained quartz arenite; CSH2, white to dark grey weathering, thin to very thick bedded, massive, grey, locally cherty dolomite; CSH4, (white dolomite member) white to light grey weathering, thin to thick bedded, light grey dolomite
- CAMBRIAN AND ORDOVICIAN**
 UPPER CAMBRIAN AND LOWER ORDOVICIAN
 COBS BROKEN SKULL FORMATION: COBS1, (sandy carbonate member - local basal Broken Skull) maroon dolomite, sandstone; COBS2, (dolomite member - lower Broken Skull) grey to white weathering, thick bedded, massive, fine to medium crystalline, grey to black dolomite; COBS3, (limestone member - upper Broken Skull) blue-grey weathering, recessive, thin bedded, fine crystalline, dark grey to black limestone
- CAMBRIAN**
 MIDDLE CAMBRIAN
 CR ROCKSLIDE FORMATION: tan to brown weathering, recessive, thin bedded, fine crystalline, grey limestone
 LOWER CAMBRIAN
 CS SEKWU FORMATION: undivided; CS1, (carbonate member - lower Sekwu) grey to buff weathering, thin bedded, locally wavy bedded and nodular, fine crystalline, blue-grey to black limestone; upper one-third of unit is white weathering, massive, fine crystalline, grey dolomite; CS2, (classic member - upper Sekwu) light orange to brown weathering, medium to thick bedded, medium grained, grey quartz sandstone; purple weathering, purple siltstone and dolomitic siltstone; bright orange weathering, thin to thick bedded, fine crystalline dolomite
- PROTEROZOIC AND PALEOZOIC**
 UPPER PROTEROZOIC AND LOWER CAMBRIAN
 PCV VAMPIRE FORMATION: dark brown to rust weathering, thin to thick bedded, greenish grey shale, siltstone, and very fine grained quartz sandstone



Geology by S.P. Gordey 1979-81, with contributions by S.L. Blusson, L.H. Green and J.A. Roddick 1968

Geological cartography by the Geological Survey of Canada

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

Base map enlarged from part of map 105-1 published at 1:250 000 scale by the Army Survey Establishment R.C.E. in 1954

Copies of the topographical edition of this map may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, Ontario, K1A 0G9

Magnetic declination 1992, 30°55' East, decreasing 13.1' annually

Elevations in feet above mean sea level

Geological Survey of Canada / COMMISSION GÉOLOGIQUE DU CANADA

APR 27 1992

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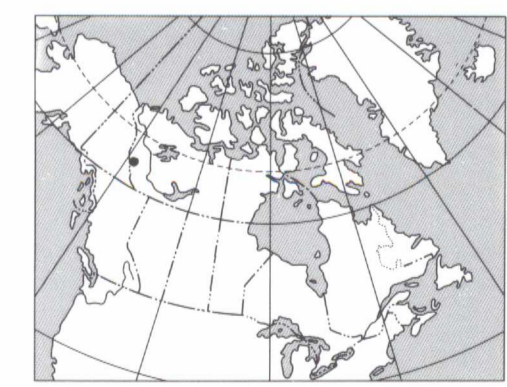
1-1992 sheet 4 of 6

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MAP 1-1992
 SHEET 4 OF 6
 GEOLOGY
SOUTH NAHANNI RIVER AREA
 DISTRICT OF MACKENZIE
 NORTHWEST TERRITORIES
 Scale 1:50 000 - Échelle 1/50 000

Kilometres 0 1 2 3 4 Kilometres

Universal Transverse Mercator Projection / Projection transverse universelle de Mercator
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105-114	105-115	105-116
		1-1992 Sheet 6
105-111	105-110	105-109
	1-1992 Sheet 5	1-1992 Sheet 4
105-106	105-107	105-108
1-1992 Sheet 1	1-1992 Sheet 2	1-1992 Sheet 3

REFERENCE
 Green, L.H., Roddick, J.A., and Blusson, S.L. 1968. Geology, Nahanni, District of Mackenzie and Yukon Territory, Geological Survey of Canada, Map 6-1967

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