

GEOLOGY LEGEND

CENOZOIC			
QUATERNARY			
10*	Q8	64**	Glacial and surficial deposits
MESOZOIC			
CRETACEOUS			
9	KQM	52	Quartz monzonite, granodiorite, alaskite
8	KGDP	52	Granodioritic and monzonitic porphyry
7	KSF	52	South Fork; andesite, dacite, basalt
PALEOZOIC DEVONIAN AND MISSISSIPPIAN			
6	DME	29	Earn Group: shale, chert, arenite, conglomerate
DEVONIAN			
5	SDCQ	25	dolomite, quartz, argillite
ORDOVICIAN, SILURIAN AND LOWER DEVONIAN			
4	OBDR	20	Road River: black graptolitic shale, chert
CAMBRIAN AND ORDOVICIAN			
3	COR	14	Rabbitkettle: limestone, siltstone
PROTEROZOIC HADRYNIAN			
2	HC	07	crystalline limestone
1	HQP	07	gritty quartzite, argillite, shale, phyllite

* Map unit number assigned to rock type
 ** A mnemonic code assigned to rock type and age

SAMPLE LOCATIONS ON BASE MAPS

Original sample locations were recorded in field areas on 1:50 000 scale paper maps used by sample collection contractors. Locations were later digitized from these maps by GSC staff to obtain UTM coordinates (Eastings and Northings) and adjusted to fit 1:250 000 scale base maps used for publication. As a result, sample points may not fall exactly on the streams marked on the map, and in some cases may indicate a site on a stream marked on 1:50 000 scale maps but not on 1:250 000 scale maps.

SYMBOLS

Geological boundary
 Fault
 No data
 Field duplicate site

Source of Information:

Gabrielse, H., Templeman-Kluit, D.J., Blusson, S.L. and Campbell, R.B. 1980. Macmillan River, Yukon-District of Mackenzie - Alaska, Sheet 105, 115. Geological Survey of Canada Map 1398A, Scale 1:1,000,000.

Elevation in feet above mean sea level

Magnetic declination in 1990 for the central part of the map area (62°30'N; 131°E) is 30°54'E decreasing 12.3'W annually. Magnetic declination ranges from 30°20'E decreasing 12.0'W annually in the southwest corner of the map area, to 31°27'E decreasing 12.8'W annually, in the northeast corner of the map area.

SURFICIAL GEOLOGY

D Unconsolidated glacial and alluvial deposits
 R Bedrock, mostly uncovered

SYMBOLS

Drumlinoid form (direction of movement inferred, not inferred)
 Meltwater channel showing direction of movement

Sources of information:

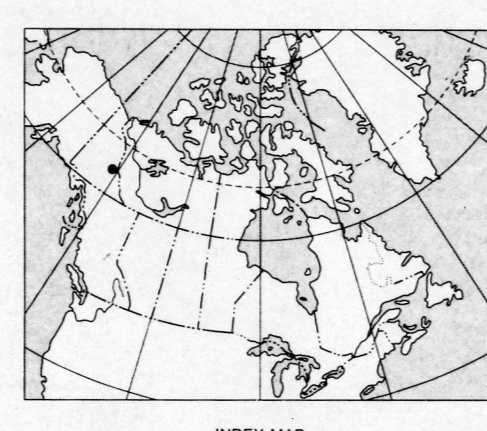
Hughes, O.L. 1969. Glacial Map of Yukon Territory. G.S.C. Map 6-1968, scale 1:1,000,000.
 Roddick, J.A. and Green, L.H. 1961. Geology, Sheldon Lake, Yukon Territory. G.S.C. Map 12-1961, scale 1 inch to 4 miles.

**GEOLOGICAL SURVEY OF CANADA
 MINERAL RESOURCES DIVISION
 EXPLORATION GEOCHEMISTRY SUBDIVISION**

CONTRACTORS

Collection: Northway Map Technology Ltd. Don Mills, Ontario
 Preparation: Golder Associates, Ottawa, Ontario
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 Water Analysis: Chemex Labs Ltd. North Vancouver, British Columbia
 Cartography: Les Services Cartographique 2 + 1 Inc. Gatineau, Quebec
 Reproduction: Ashley Reproductions Ltd. Ottawa, Ontario

Copies of the Open File are available from:
 Geological Survey of Canada
 Publications Distribution
 601 Booth Street
 Ottawa, Ontario, K1A 0E8
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**SAMPLE LOCATION
 STREAM SEDIMENTS**
 GSC OPEN FILE 2173
 NATIONAL GEOCHEMICAL RECONNAISSANCE MAP 135-89
CANADA - YUKON
ECONOMIC DEVELOPMENT PROGRAM
(1989-1990)

STREAM SEDIMENT AND WATER GEOCHEMICAL SURVEY
 EAST CENTRAL YUKON, 1989

