

QUATERNARY	38 QS 64*	Glacial and surficial deposits
TERTIARY		
LATE TERTIARY	37 LTG 62	Rhyolite porphyry, granite, granodiorite
PLOCENE	36 PV 62	Basalt
Eocene		
MOUNT NANSEN GROUP	35 ENM 59	Acid to intermediate tuff, breccia
SLOKO GROUP	34 ESL 59	Rhyolite, trachyte
CRETACEOUS AND TERTIARY	33 KTVD 56	Andesite and dacite porphyry
CRETACEOUS	32 KY 52	Syenite, monzonite
	31 KQM 52	Quartz monzonite, granodiorite; CASSIAR quartz monzonite, alkali
	30 KGD 52	Granodiorite
JURASSIC AND CRETACEOUS	29 JKD 51	Diorite, hornblende diorite
TRIASSIC AND JURASSIC	28 JGB 51	Gabbro, diorite, some ultramafic rocks
TRIASSIC	27 TJS 46	Argillite, sandstone, siltstone
	26 TJSV 46	Volcanic and sedimentary rocks
	25 TJC 46	Limestone
	24 TJVP 46	Augite, hornblende feldspar porphyry
TRIASSIC	23 TV 42	Basaltic greenstone
UPPER TRIASSIC		
LEWES RIVER GROUP (UTLW, UTC, UTLV)		
	22 UTLW 45	Greywacke, argillite, conglomerate
	21 UTC 45	Limestone
	20 UTLV 45	Andesite, basalt
MESOZOIC UNDIVIDED		
	19 MGD 41	Granodiorite, quartz monzonite
	18 MGN 41	Foliated hornblende granodiorite, quartz monzonite
PERMIAN AND TRIASSIC		
	17 PTB 40	Pyroxenite, serpentinite
PALEOZOIC UNDIVIDED		
	16 PC 09	Limestone
	15 PGN 09	PELLY GNEISS: Foliated to gneissic granodiorite
PERMIAN		
	14 PT 36	TESLIN: Limestone
CARBONIFEROUS AND PERMIAN		
	13 CPH 35	HORSEFEED: Limestone
	12 CPKC 35	KEDAHDA: Limestone
	11 CPC 35	Limestone
	10 CPK 35	KEDAHDA: Chert, argillite
	9 CPV 35	Andesite, basalt, chert, tuff
	8 CP5N 35	Schist, gneiss; includes BIG SALMON METAMORPHIC COMPLEX
	7 CPUB 35	Serpentinite, diorite, pyroxenite, peridotite
PENNSYLVANIAN		
	6 PCG 33	Limestone
MISSISSIPPIAN		
	5 MC 34	Limestone
CARBONIFEROUS		
	4 CC 30	Limestone
ENGLISHMAN'S GROUP		
	3 CE 30	Quartzite, phyllite, schist, chert, conglomerate, limestone
	2 CTP 30	Chert, argillite, phyllite, quartzite
SILURIAN AND DEVONIAN		
	1 SDQ 24	Dolomite, quartzite, argillite

*A mnemonic code assigned to rock types and recorded as part of field observations

Geological boundary
 Fault
 No analytical result

Geological base and legend are derived from: Map 1398A, MACMILLAN RIVER, YUKON - DISTRICT OF MACKENZIE - ALASKA, NTS SHEET 105, 115. Compiled by H. Gabrielse, D.J. Tempelman-Kluit, S.L. Blusson and R.B. Campbell, Geological Survey of Canada, Energy, Mines and Resources Canada, 1980. 1:1 000 000 scale

Au value (ppb) 417
 () identifies Au values corresponding to repeat analyses.
 <n denotes a result less than detection level n (ppb).
 consult text for actual sample weight when Au values denoted by * or < detection level
 Examples:
 21 Au value of 21 ppb determined on sample weight <10 g.
 38(27) Au value of 38 ppb on first analysis; Au value of 27 ppb on repeat analysis for sample weighing <10 g.
 <4 Au value less than detection limit of 4 ppb.

Geological Survey of Canada
 Resource Geophysics and Geochemistry Division
 CONTRACTORS
 Sample collection by Rogers Exploration Services Ltd., Whitehorse
 Sample preparation by Golder Associates, Ottawa
 Gold analysis by Chemex Labs Limited, Vancouver, B.C.

Sediment chemical analyses by Barringer Magenta Ltd., Rexdale, Ontario
 Water chemical analyses by Barringer Magenta Laboratories (Alberta) Ltd., Calgary

This map forms one of a series of maps released by the Geological Survey of Canada, Open Files 1217 to 1220. Each Open File consists of maps of various geochemical variables: 21 for stream sediment, 3 for stream water and 1 sample site location

Copies of map material and listings of field observations and analytical data, from which the material was prepared, may be available at users expense by application to:

K.G. Campbell Corporation
 880 Wellington St.
 Bay 238
 Ottawa, Ontario
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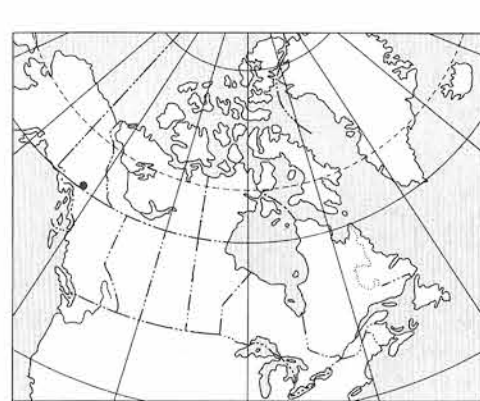
The data are also available in digital form. For further information please contact:

The Director
 Computer Science Centre
 Department of Energy, Mines and Resources
 Ottawa, Ontario
 K1A 0E4

Undivided surficial deposits; includes alluvium, glacial till, ground moraine, outwash and ice contact deposits, colluvium.
 Bedrock exposures; includes discontinuous veneer of undivided glacial drift, local alpine glaciation features.

Surficial deposit boundary
 Meltwater channels, outwash deposits, indicating direction of flow
 Glaciation lineation parallel to ice flow direction, includes friction, crag and tail, roches moutonnées and drumlinoid forms, direction of flow known, unknown //
 Drumlinoid form, direction of movement inferred, not inferred //

Sources of information:
 Hughes, O.L., Campbell, R.B., Muller, J.E., and Wheeler, J.O. (1968) Glacial Map of Yukon Territory, Geological Survey of Canada, Map 6-1968, (1:1 000 000 scale) to accompany GSC Paper 68-34.
 Mulligan, R. (1963) Geology TESLIN, Yukon Territory, Geological Survey of Canada, Map 1125A (1:253 440 scale).
 Prest, V.K., Grant, D.R., and Rampton, V.N. (1967) Glacial Map of Canada, Geological Survey of Canada (1:5 000 000 scale).



Elevation in feet above mean sea level
 Mean magnetic declination 1986, 29°38' East, decreasing 15.3' annually. Readings vary from 29°23' E in the SE corner to 29°50' E in the NW corner of the map area.

GOLD (ppb)
 GSC OPEN FILE 1217
 REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 82-1985
 CANADA-YUKON
 MINERAL DEVELOPMENT AGREEMENT (1984-89)
 STREAM SEDIMENT AND WATER GEOCHEMICAL SURVEY
 SOUTHERN YUKON TERRITORY, 1985
 Scale 1:250 000
 Universal Transverse Mercator Projection
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Base map at the same scale published by the Surveys and Mapping Branch in 1979
 Streams were revised by the Geological Survey of Canada for this edition

