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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:

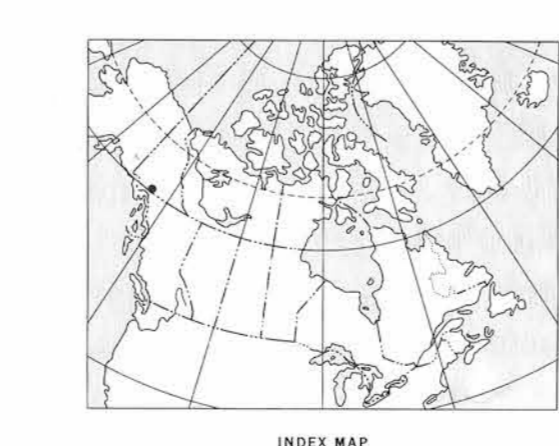
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The data are also available in digital form. For further information please contact:

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- SYMBOLS
- Glaciolacustrine deposits
 - Undivided surficial deposits; alluvium, glacial till and moraine, outwash and ice contact deposits, volcanic ash, loess, 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 fluting, crag and tail, roches moutonnées and drumlinoid forms, direction of flow known, unknown
- Drumlinoid form, direction of movement inferred, not inferred
- Glacial striae, direction inferred
- Esker and/or kame complex
- Boulder train, direction of movement

Sources of information:
 Hughes, D.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
 Prest, V.K., Grant, D.R., and Rampton, V.N. (1967) Glacial Map of Canada, Geological Survey of Canada (1:5 000 000 scale)
 Wheeler, J.O. (1960) Geology - WHITEHORSE, Yukon Territory, Geological Survey of Canada, Map 1093A (1:253 440 scale)



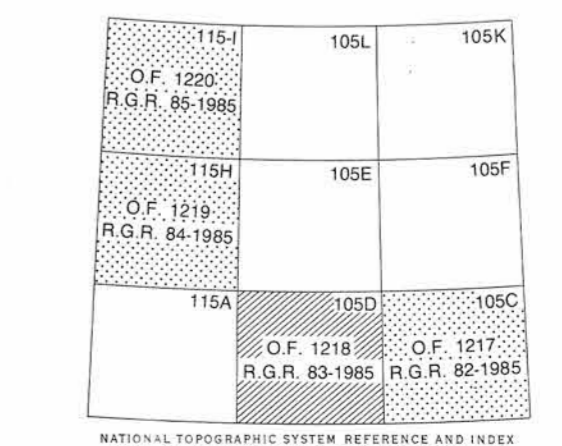
NICKEL (ppm)
 GSC OPEN FILE 1218
 REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 83-1985
 CANADA-YUKON
 MINERAL DEVELOPMENT AGREEMENT (1984-89)
 STREAM SEDIMENT AND WATER GEOCHEMICAL SURVEY
 SOUTHERN YUKON TERRITORY, 1985

Elevation in feet above mean sea level

Mean magnetic declination 1986, 29°18' East, decreasing 14.2' annually. Readings vary from 29°06' E in the SE corner to 22°29' E in the NW corner of the map area

Scale 1:250 000
 Kilometers 5 10 15 20 Kilometres
 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



QUATERNARY	33 RMC 64*	MILES CANYON: Basalt
	32	QS 64 Glacial and surficial deposits
TERTIARY	31	TQM 62 Quartz monzonite, granodiorite
LATE TERTIARY	30	LTG 62 Rhyolite porphyry, granite, granodiorite
PLIOCENE	29	PV 62 Basalt
Eocene		MOUNT NANSEN GROUP
	28	EMN 59 Acid to intermediate tuff, breccia
		SKUKUM GROUP
	27	ESK 59 Andesite, basalt, breccia
		SLOKO GROUP
	26	ESL 59 Rhyolite, trachyte
CRETACEOUS AND TERTIARY		
	25	KTG 56 Granite, quartz monzonite
	24	KTGD 56 Granodiorite, quartz diorite
	23	KTQD 56 Tonalite
CRETACEOUS		
	22	KY 52 Syenite, monzonite
	21	KQM 52 Quartz monzonite, granodiorite; CASSIAR quartz monzonite, alkasite
	20	KGD 52 Granodiorite
	19	KV 52 Basalt, andesite, quartz dacite
JURASSIC AND CRETACEOUS		
	18	JKDI 51 Diorite, hornblende diorite
JURASSIC		
	17	JKT 51 TANTALUS: Conglomerate, siltstone, arkose, coal
	16	JL 47 Greywacke, arkose, conglomerate
TRIASSIC AND JURASSIC		
	15	TJS 46 Argillite, sandstone, siltstone
TRIASSIC		
	14	TGDN 42 Foliated hornblende granodiorite, quartz
UPPER TRIASSIC		
		LEWES RIVER GROUP (UTLW, UTC, UTLY)
	13	UTLW 45 Greywacke, argillite, conglomerate
	12	UTC 45 Limestone
	11	UTLY 45 Andesite, basalt
MESOZOIC UNDIVIDED		
	10	MGD 41 Granodiorite, quartz monzonite
	9	MGDN 41 Foliated hornblende granodiorite, quartz monzonite
	8	MV 41 Andesite, basalt, tuff
PALEOZOIC UNDIVIDED		
	7	PGDN 09 PELLY GNEISS: Foliated to gneissic granodiorite
CARBONIFEROUS AND PERMIAN		
	6	CPH 35 HORSEFEED: Limestone
	5	CPK 35 KEDAWDA: Chert, argillite
	4	CPV 35 Andesite, basalt, tuff
	3	CPUB 35 Serpentine, diorite, pyroxenite, peridotite
HADRYNIAN AND CAMBRIAN		
	2	HCSN 08 Schist, gneiss, quartzite
HADRYNIAN		
	1	HC 07 Crystalline limestone

*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