

LEGEND

CENOZOIC	TERTIARY	LATE TERTIARY	21	LTG 62*	Rhyolite porphyry, granite, granodiorite
		OLIGOCENE AND MIOCENE			
		CARMACKS GROUP			
		Eocene	20	OMCV 60	Andesite, basalt, breccia
		MOUNT NANSEN GROUP			
		Eocene	19	EMN 59	Acid to intermediate tuff, breccia
		LOWER(?) TERTIARY			
			18	TFP 58	Feldspar porphyry dykes and flows
			17	TVA 58	Acid tuff
			16	TVD 58	Andesite, porphyritic basalt flows and dykes
MESOZOIC	EARLY TERTIARY				
		15	ETGA 57	Alaskite, granite, quartz monzonite	
		14	ETQM 57	Granite, quartz monzonite	
		13	FPPP 57	Feldspar porphyry dykes	
	JURASSIC AND CRETACEOUS				
		12	JKT 51	TANTALUS: Conglomerate, siltstone, arkose, coal	
		11	JKK 51	KLUANE: Sericitic to biotitic schist, gneiss, amphibolite	
	JURASSIC				
		LABERGE GROUP			
		10	JL 47	Greywacke, arkose, conglomerate	
MESOZOIC UNDIVIDED	TRIASSIC				
		9	TV 42	Basaltic greenstone	
		8	TQM 42	Leucocratic, porphyritic quartz monzonite	
		7	TGD 42	RUBY RANGE: Granodiorite	
		6	TGDN 42	Foliated hornblende granodiorite, quartz	
	4	MDI 41	Diorite		
PALEOZOIC UNDIVIDED	PALEOZOIC UNDIVIDED				
		5	MM 41	Porphyritic quartz monzonite	
		4	MDI 41	Diorite	
	3	PM 09	Amphibolite, schist, gneiss		
HADRNYNIAN AND CAMBRIAN	HADRNYNIAN AND CAMBRIAN				
		2	HCSN 08	Schist, gneiss, quartzite	
	HADRNYNIAN				
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

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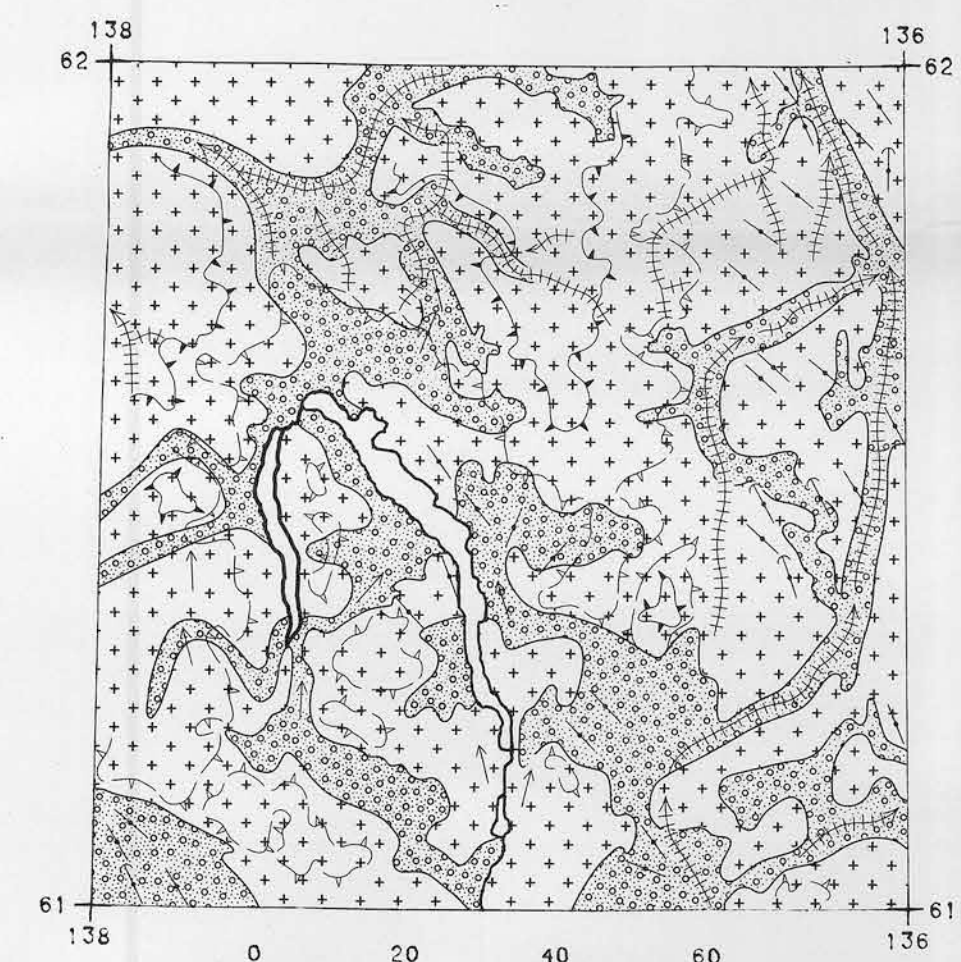
This map forms one of a series of maps released by the Geological Survey of Canada, Open Files 1217 to 1220. Each Open File consists of maps of various geochemical variables: 21 for stream sediment, 3 for stream water and 1 sample site location

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:

The Director
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 Department of Energy, Mines and Resources
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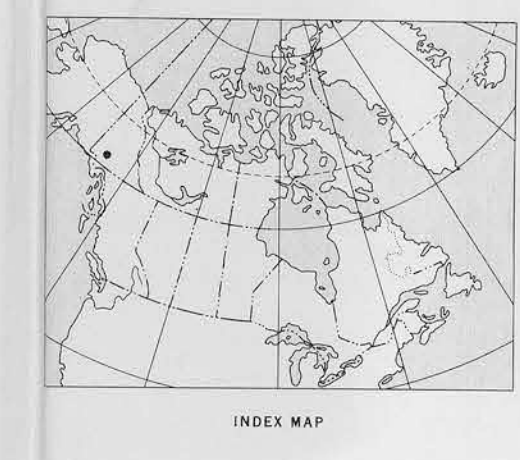
SURFICIAL GEOLOGY

	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

SYMBOLS

	Surficial deposit boundary
	Limit of Pre-Reid ice advance
	Limit of McConnell (Ruby) ice advance
	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 indicated
	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
 Prest, V.K., Grant, D.R., and Rampton, V.N. (1967) Glacial Map of Canada, Geological Survey of Canada (1:5 000 000 scale)
 Tempelman-Kluit, D.J. (1973) Geology - AISHIHIK LAKE, Yukon Territory, Geological Survey of Canada, Map 17-1973, (1:250 000 scale) to accompany Paper 73-41



SAMPLE LOCATION
 GSC OPEN FILE 1219
 Elevation in feet above mean sea level
 Mean magnetic declination 1986, 29°39' East, decreasing 13.4' annually. Readings vary from 29°29' E in the SE corner to 29°48' E in the NW corner of the map area

SAMPLE LOCATION
 GSC OPEN FILE 1219
 REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 84-1985
 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 1971. Streams were revised by the Geological Survey of Canada for this edition

