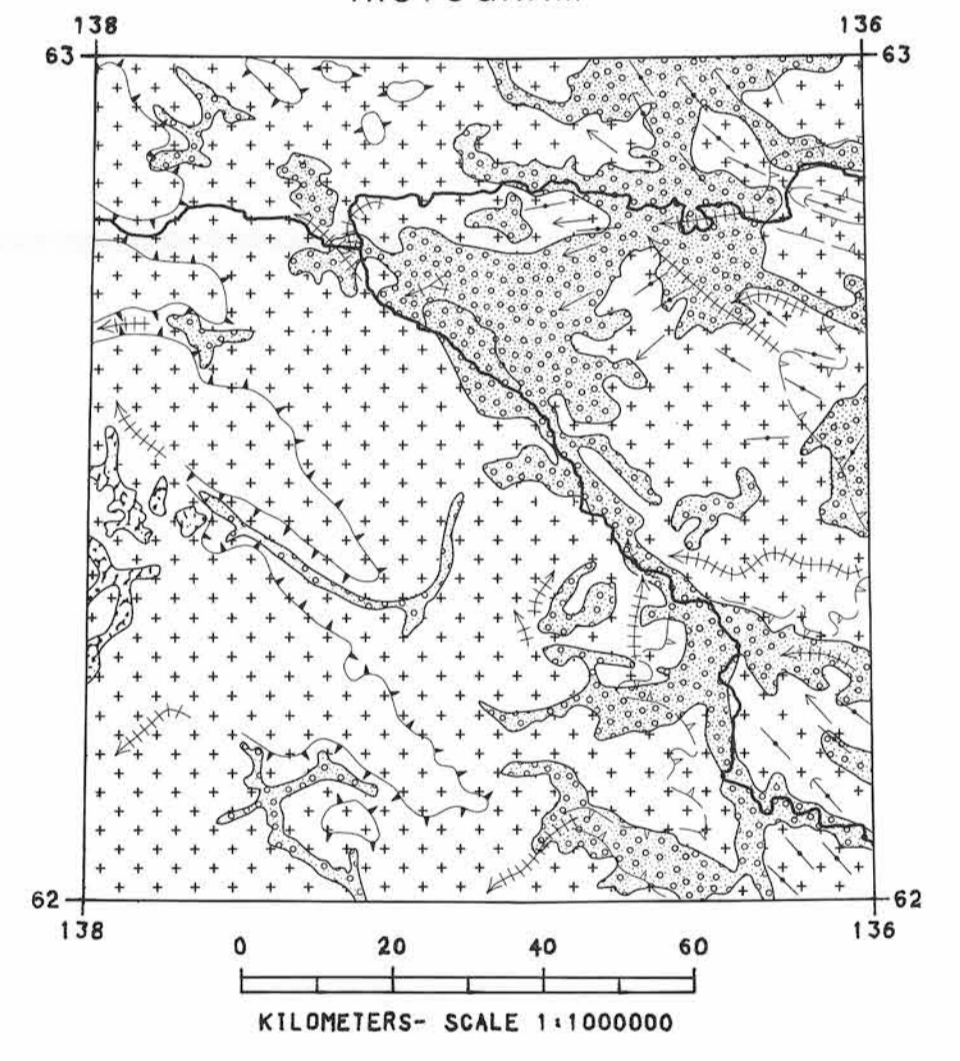
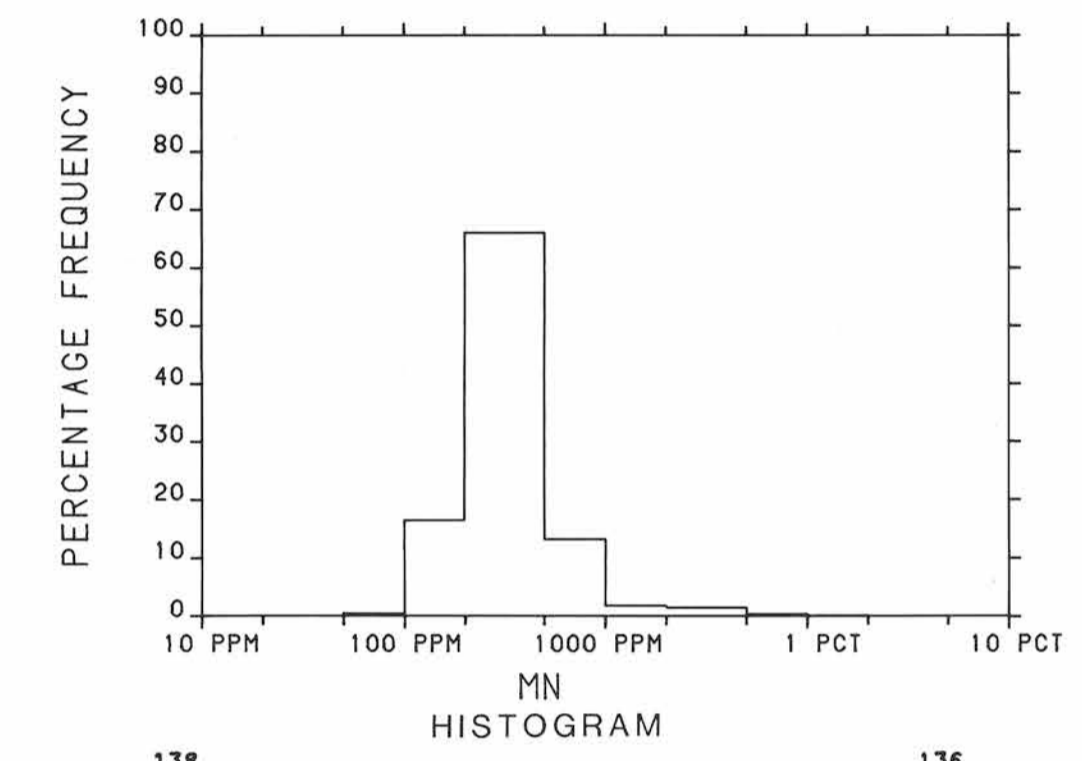
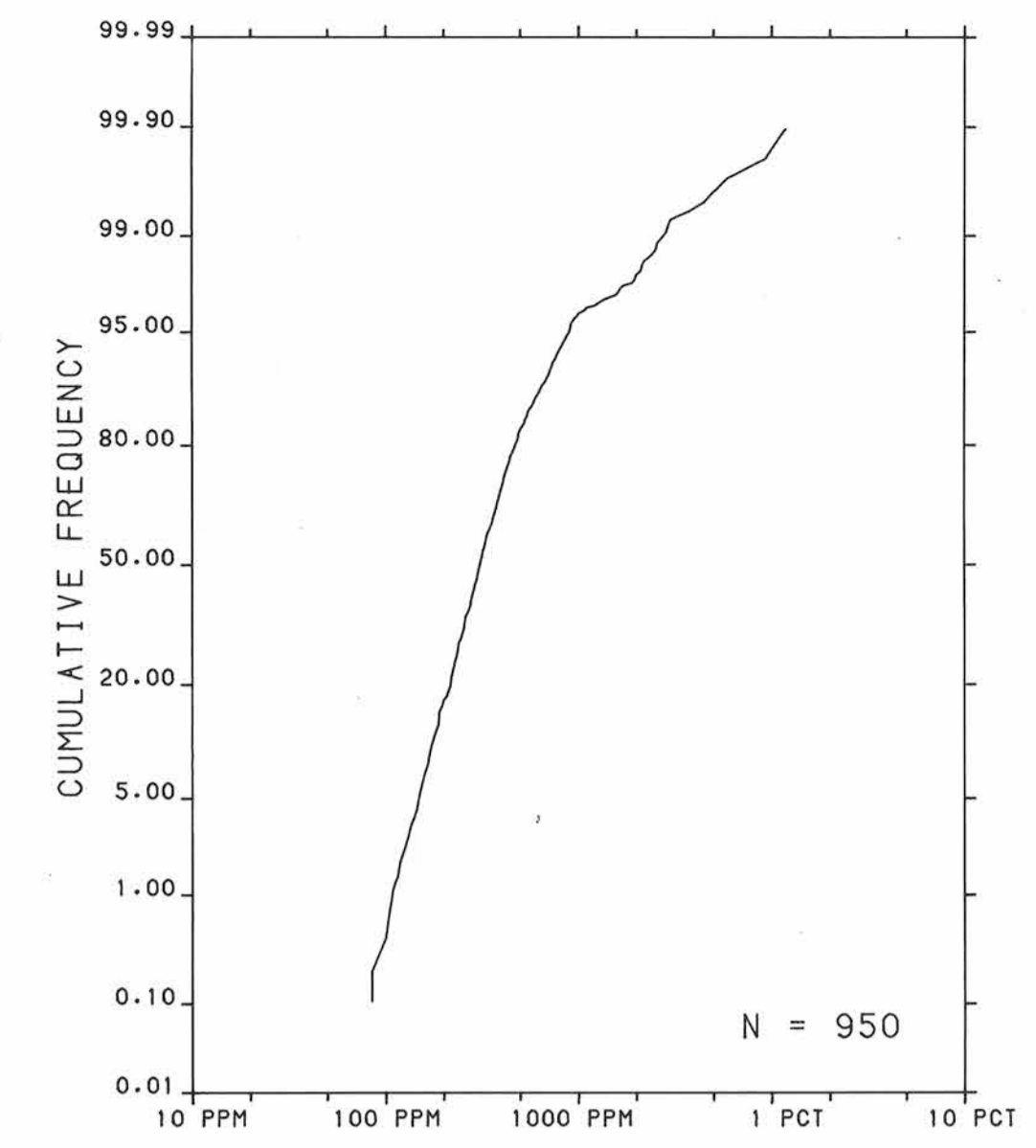
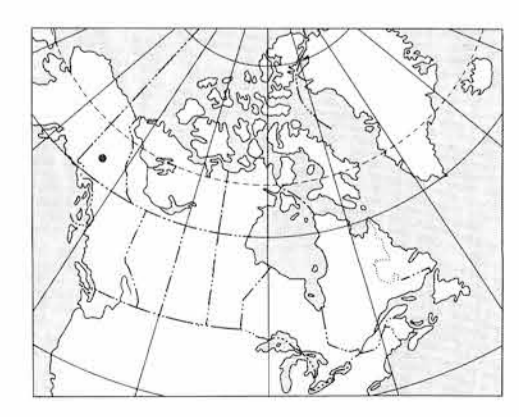
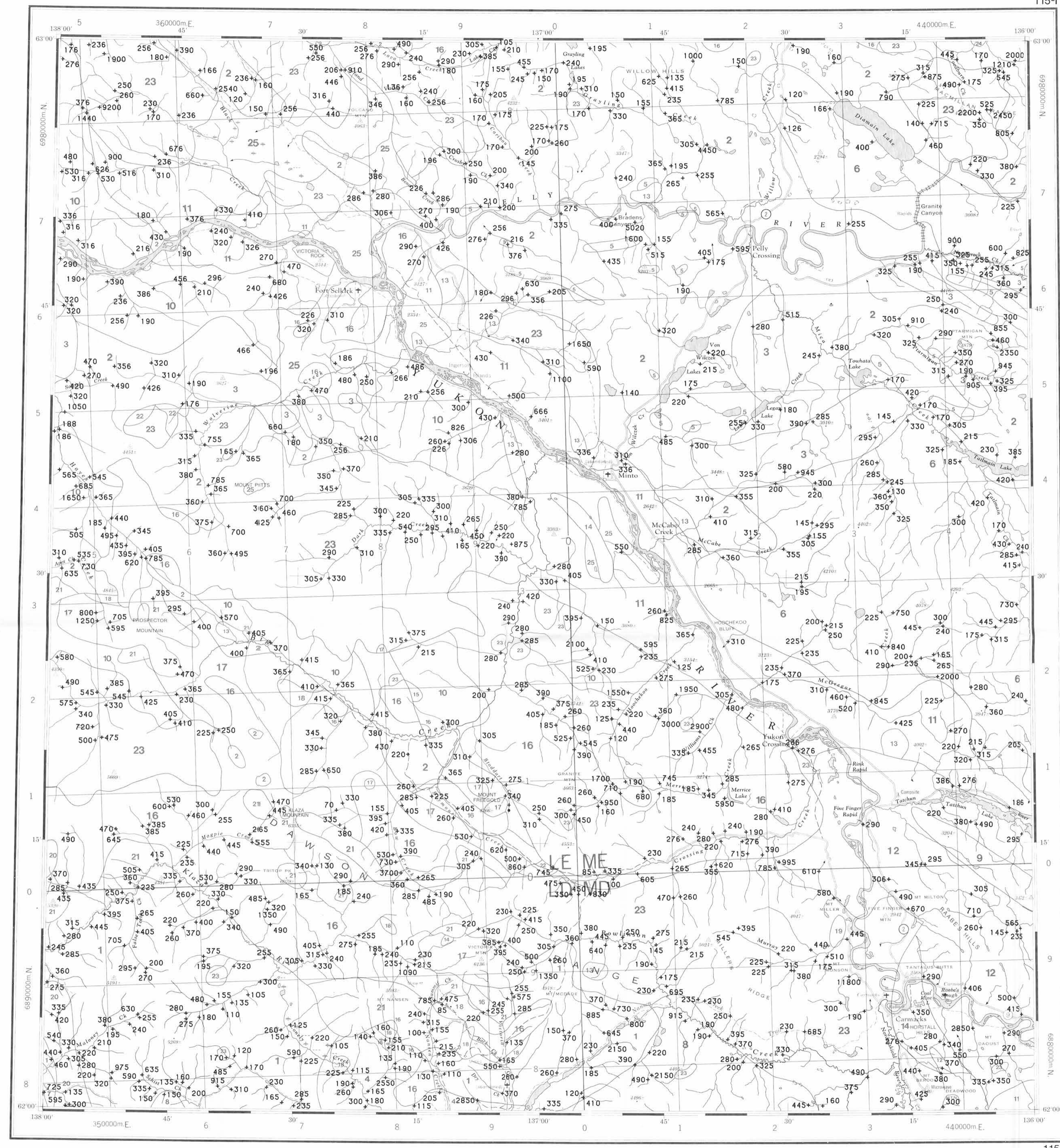


The regional geochemical trend map displayed above utilized a moving weighted average using an inverse distance function (1/d²) to filter out minor irregularities and emphasize broad-scale regional features. Single point anomalies may be suppressed or eliminated, however, geological units which are chemically enriched, or large metallic deposits undergoing weathering would be expected to produce identifiable anomalies.



- Undivided surficial deposits; alluvium, glacial till and moraine, outwash and ice contact deposits, volcanic ash, loess, colluvium
 - Glaciers and permanent snowfields
 - 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
 - Glacial 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:
 Bostock, H.S. (1936) Geology - CARMACKS SHEET, Yukon Territory, Canada Department of Mines, Bureau of Economic Geology, Geological Survey, Map 340A (1:253,440 scale)
 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).



MANGANESE (ppm)
 GSC OPEN FILE 1220
 REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 85-1985
 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 1974. Streams were revised by the Geological Survey of Canada for this edition.

LEGEND

QUATERNARY	RECENT	SELKIRK GROUP		
	25	RS 64*	Basalt, andesite flows, breccia, tuff	
	TERTIARY	LATE TERTIARY		
		24	LTG 62	Rhyolite porphyry, granite, granodiorite
		OLIGOCENE AND MIOCENE		
	CENOZOIC	CARMACKS GROUP		
		23	OMCV 60	Andesite, basalt, breccia
		OLIGOCENE		
		CARMACKS GROUP		
		22	OCS 60	Conglomerate, sandstone, shale
Eocene				
MOUNT NANSEN GROUP				
21		EMN 59	Acid to intermediate tuff, breccia	
LOWER TERTIARY				
20		TFP 58	Feldspar porphyry dykes, flows	
MESOZOIC	EARLY TERTIARY			
	19	TVB 58	Basalt	
	JURASSIC AND CRETACEOUS			
	18	ETF 57	Granite and syenite porphyry, rhyolite	
	CRETACEOUS			
	17	KY 52	Syenite, monzonite	
	16	KQM 52	Quartz monzonite, granodiorite; CASSIAR quartz monzonite, alaskite	
	JURASSIC			
	DEZADEASH GROUP			
	15	JKD 51	Argillite, greywacke, conglomerate, volcanics	
PALEOZOIC	14	JKT 51	TANTALUS: Conglomerate, siltstone, arkose, coal	
	13	JKDI 51	Diorite, hornblende diorite	
	JURASSIC			
	LABERGE GROUP			
	12	JL 47	Greywacke, arkose, conglomerate	
	TRIASSIC			
	11	TV 42	Basaltic greenstone	
	10	TGDN 42	Foliated hornblende granodiorite, quartz	
	UPPER TRIASSIC			
	LEWES RIVER GROUP			
9	UTC 45	Limestone		
PALEOZOIC UNDIVIDED	8	MQM 41	Porphyritic quartz monzonite	
	7	MGD 41	Granodiorite, quartz monzonite	
	6	MGDN 41	Foliated hornblende granodiorite, quartz monzonite	
	PALEOZOIC UNDIVIDED			
	5	PC 09	Limestone	
	4	PM 09	Amphibolite, schist, gneiss	
	3	PGDN 09	PELLY GNEISS: Foliated to gneissic granodiorite	
	CARBONIFEROUS AND PERMIAN			
	2	CPSN 35	Schist, gneiss, includes BIG SALMON METAMORPHIC COMPLEX	
	HADRYNIAN AND CAMBRIAN			
1	HCSN 08	Schist, gneiss, quartzite		

*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. Templeman-Kluit, S.L. Blusson and R.B. Campbell, Geological Survey of Canada, Energy, Mines and Resources Canada, 1980. 1:1 000 000 scale