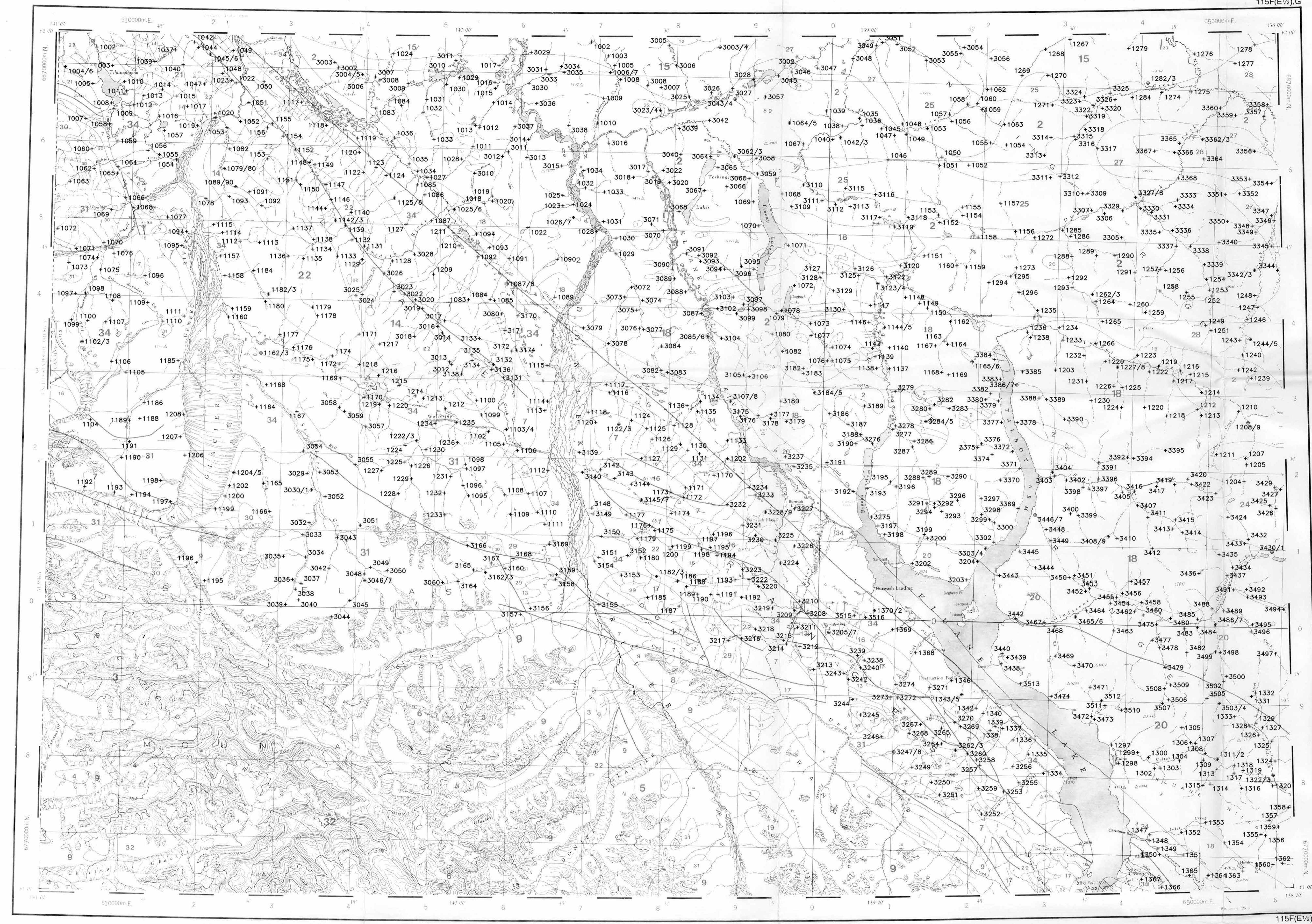


QUATERNARY	PLEISTOCENE AND RECENT
34	QS 64* Glacial and surficial deposits
33	TM 57 Quartz monzonite, granodiorite
32	TD 57 Quartz diorite, granodiorite
	MIOCENE AND PLEIOCENE
31	MPV 62 WRANGELL: Basalt, andesite pyroclastics, sediments
	LATE TERTIARY
30	LIF 62 Felsite, granite porphyry
	OLIGOCENE AND MIOCENE
29	OMA 61 AMPHITHEATRE: Sandstone, conglomerate, shale, coal
	LOWER (?) TERTIARY
28	TFP 58 Felspar porphyry dykes, flows
27	TVD 58 Andesite, porphyritic basalt flows, dykes
	EARLY TERTIARY
26	ETG 57 Granodiorite, granite
25	ETGA 57 Alaskite, granite, quartz monzonite
24	ETM 57 Granite, quartz monzonite
23	FP 57 Felspar porphyry dykes
	CRETACEOUS
22	KGM 52 Granodiorite, quartz diorite, diorite, agmatite complex
	JURASSIC AND CRETACEOUS
	DEZADEASH GROUP
21	JKD 51 Argillite, greywacke, conglomerate, volcanics
20	JXK 51 KLUANE: Sericitic, biotitic schist, gneiss, amphibolite
19	JGD 51 Granodiorite, quartz diorite, quartz monzonite, diorite
	TRIASSIC
18	TGD 42 RUBY RANGE: Granodiorite
	UPPER TRIASSIC
17	UTS 45 CHITISOVA, MCCARTHY: Limestone, dolomite, shale
16	UTK 45 NIKOLAI: Greenstone, basalt, andesite, limestone
	MESOZOIC UNDIVIDED
15	MAD 41 Granodiorite, quartz monzonite
	PERMIAN AND TRIASSIC
14	PTV 40 Greenstone, diorite
13	PTB 40 Pyroxenite, serpentinite
	PALEOZOIC AND MESOZOIC UNDIVIDED
12	PMW 40 Basic to intermediate volcanic rocks
	PALEOZOIC UNDIVIDED
11	PM 09 NASINA: Graphitic quartzite, schist
10	PTP 09 Chert, argillite, quartzite
9	PS 09 Greywacke, argillite, limestone; local basalt, andesite, volcanoclastic sediments
	EARLY PALEOZOIC
8	EPUB 09 Gabro complex
	PERMIAN
	SKOLAI GROUP
7	PS 36 Andesite, basalt, ultramafics, pyroclastics, phyllite, chert, limestone, conglomerate
	PENNSYLVANIAN AND PERMIAN
6	PPM 35 Quartz monzonite
5	PPG 35 Granodiorite, diorite, agmatite complex
4	PPQ 35 Quartz diorite, diorite, granodiorite
	DEVONIAN
3	DC 25 Limestone, marble
	HARDYANIAN AND CAMBRIAN
2	HCSM 08 Schist, gneiss, quartzite
	HARDYANIAN
1	HC 07 Crystalline limestone

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

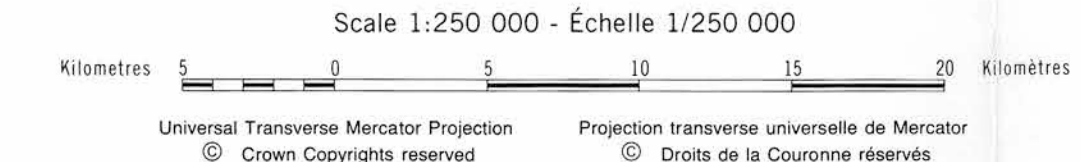
Geological boundary
Fault
No analytical result
Field duplicate sample sites

Geological base and legend are derived from: Gabrielse, H., Templeman-Hall, D.J., Blusson, S.L. and Campbell, R.B. (1980) Map 1398A, Macklin River, Yukon - District of Mackenzie - Alaska, NIS Sheet 105, 115, Geological Survey of Canada, Energy, Mines and Resources Canada. 1:1,000,000 Scale.



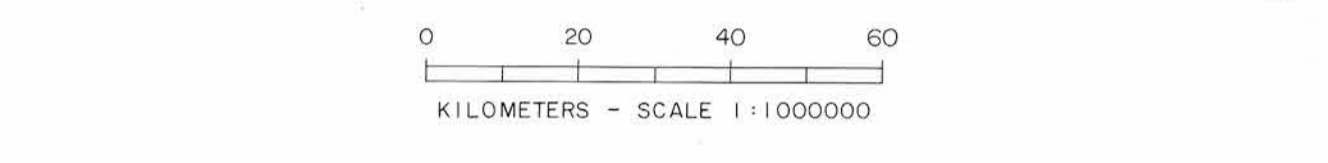
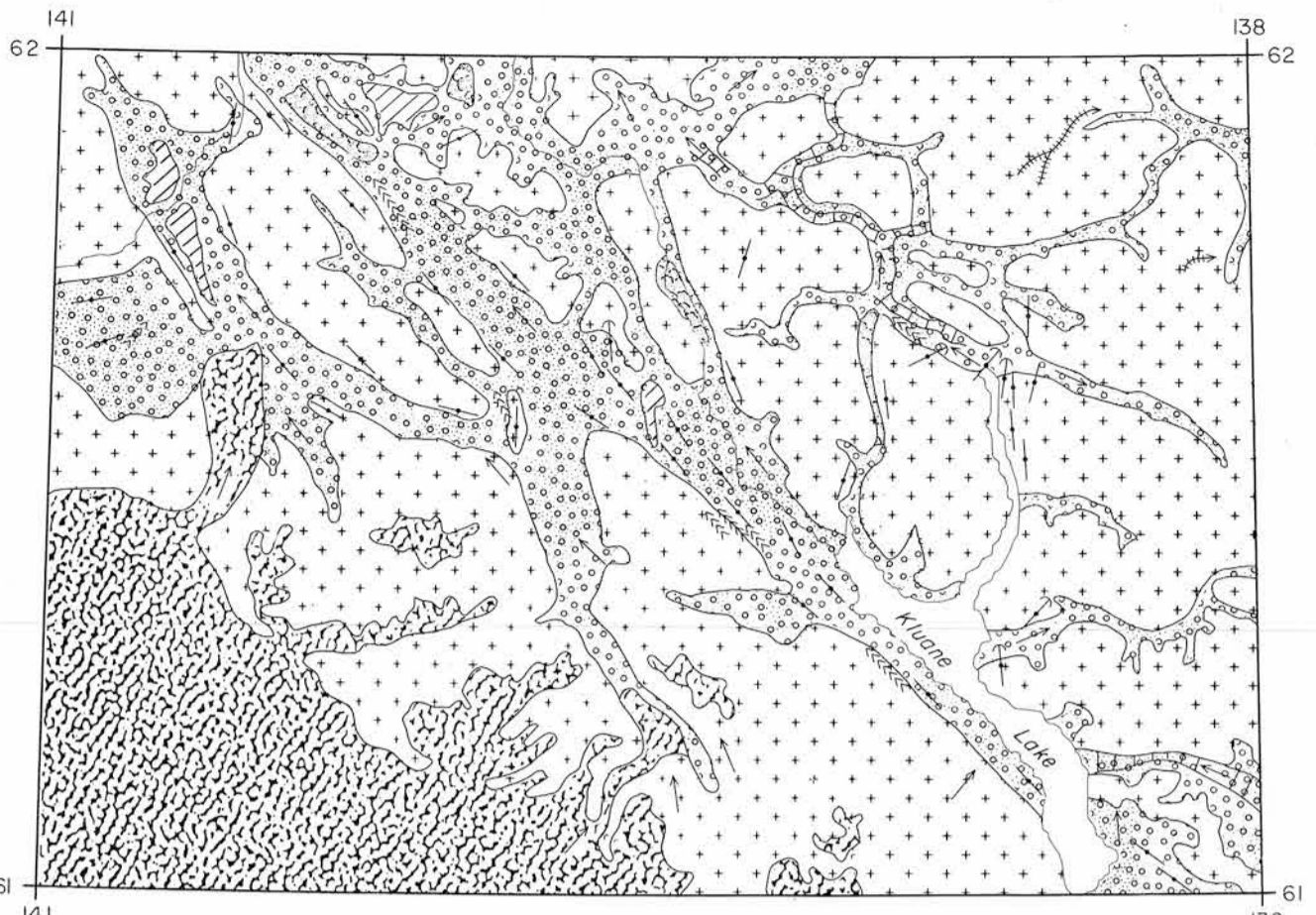
**SAMPLE LOCATION
STREAM SEDIMENTS**
GSC OPEN FILE 1962
REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 98-1986
CANADA - YUKON
SUBSIDIARY AGREEMENT ON MINERAL RESOURCES (1985-1989)
STREAM SEDIMENT AND WATER GEOCHEMICAL SURVEY
SOUTH-WEST YUKON, 1986

Base map at the same scale published by the Surveys and Mapping Branch in 1961



Elevation in feet above mean sea level
Mean magnetic declination 1987, 28°52' East, decreasing 13.3' annually. Readings vary from 28°52'E in the SE corner to 28°46'E in the NW corner of the map area

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- SURFICIAL GEOLOGY**
- Thermokarst depression developed on alluvial floodplain
 - Organic deposits mantling lacustrine floodplain of silt and clay, or less commonly, moraine or eolian deposits
 - Undivided surficial deposits: includes alluvium, glacial till, glaciofluvial and glaciolacustrine deposits, ice contact deposits, colluvium, volcanic ash, loess, and scattered bedrock exposures.
 - Glacial ice, snow, and firn veneer with seasonal bedrock exposures.
 - Bedrock exposures; includes discontinuous veneer of undivided glacial drift, local alpine glaciation features.

- Symbols**
- Surficial deposit boundary
 - Major 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: rock drumlin, crag and tail, fluted bedrock or till, direction of movement inferred, not inferred
 - Esker, direction of flow indicated

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.
Muller, J.E. (1966) Geology Klunene Lake - Yukon Territory, Geological Survey of Canada Map 1177A, (1:253 440 scale), to accompany GSC Memoir 340.
Prest, V.K., Grant, D.R., and Rampton, V.N. (1967) Glacial Map of Canada, Geological Survey of Canada (1:5 000 000 scale).
Rampton, V.N. (1977) Surficial Geology and Geomorphology, Burwash Creek - Yukon Territory, Geological Survey of Canada, Map 6-1978, 1:100 000 scale.
Surficial Geology and Geomorphology, Gener River - Yukon Territory, Geological Survey of Canada, Map 7-1978, 1:100 000 scale.
Surficial Geology and Geomorphology, Congdon Creek - Yukon Territory, Geological Survey of Canada, Map 8-1978, 1:100 000 scale.

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Copies of map material and listings of field observations, analytical data and methods, from which the open file was prepared, are available from:

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Digital data are available on IBM-PC compatible diskette from:
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