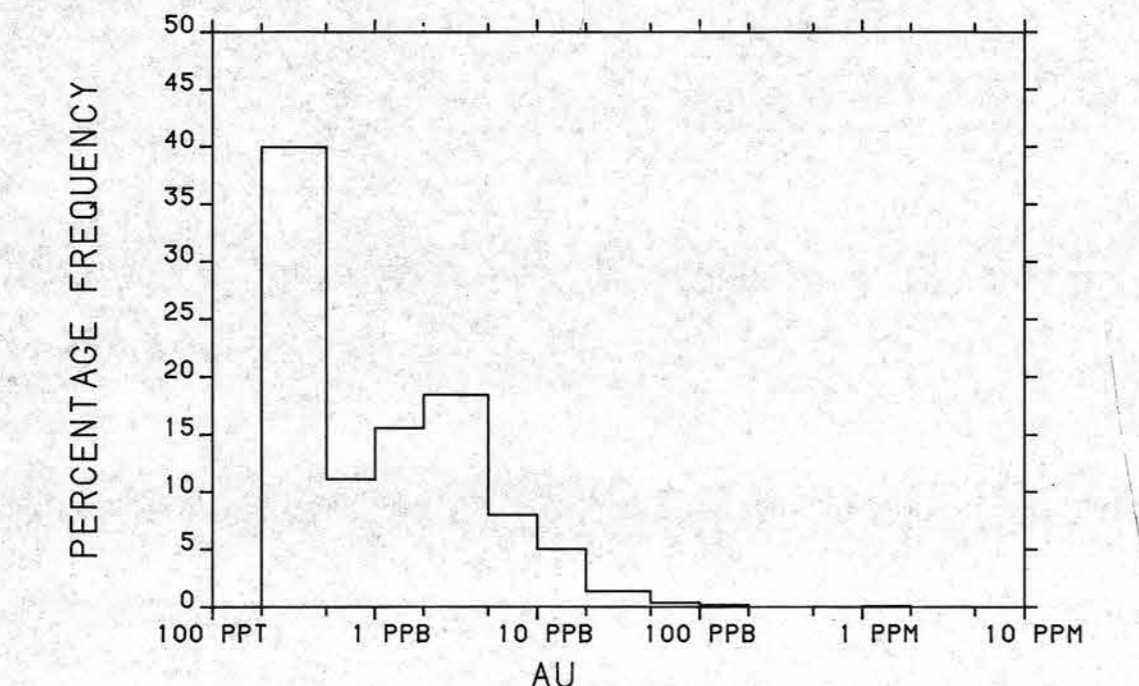
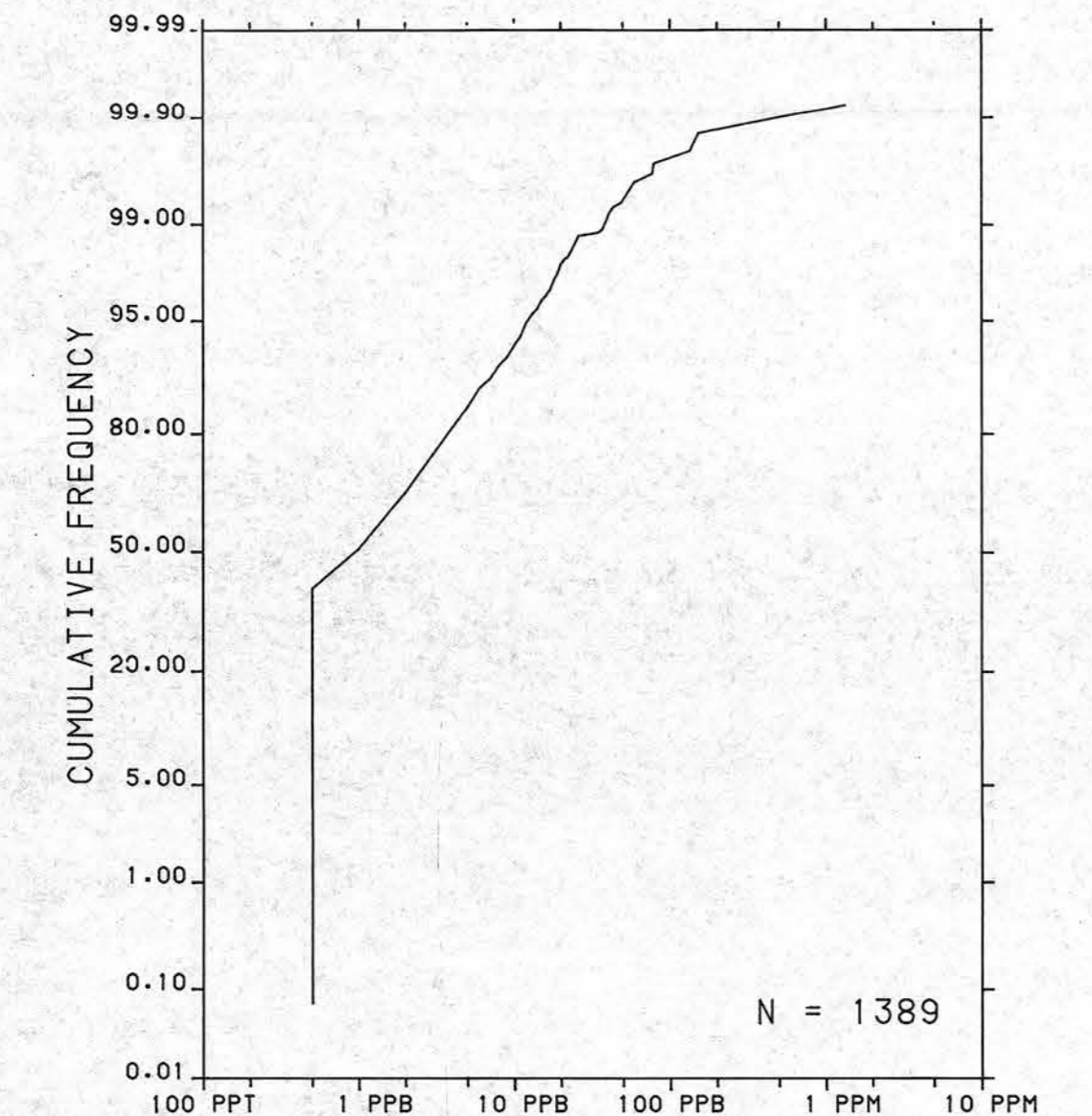


The regional geochemical trend map displayed above utilized a moving weighted average using an inverse distance function (1/d²) to filter out minor irregularities and emphasize broad-scale regional features. Single point anomalies may be suppressed or eliminated, however, geological units which are chemically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



HISTOGRAM

CONCENTRATION	FREQUENCY	N =	%
21 to 1328	+	27	1.9%
14 to 20	+	35	2.5%
9 to 13	+	64	4.6%
4 to 8	+	209	15.0%
<1 to 3	+	1054	75.9%

SURFICIAL GEOLOGY

No comprehensive surficial or geomorphological data exists for the map area up to the release of this geochemical open file. A detailed geomorphology and surficial materials map, compiled by G.W. Morrison of Indian Affairs and Northern Development, Whitehorse, is forthcoming.

Geological Survey of Canada
Mineral Resources Division
Exploration Geochemistry Subdivision

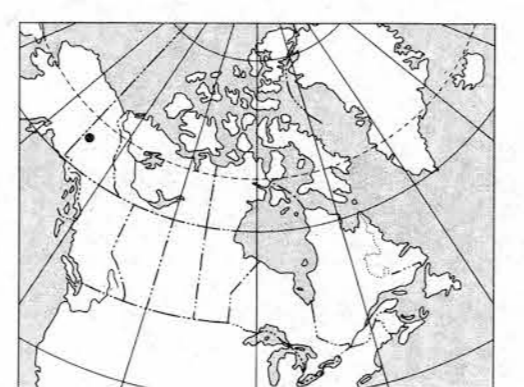
CONTRACTORS

- Sample collection by Monaghan Delph Miller Limited, Don Mills, Ontario
Sample preparation by Golder Associates, Ottawa
- Sediment chemical analyses by Bondar Clegg and Company Ltd., Ottawa, Ontario
- Au analyses by Chemex Labs Limited, Vancouver
Water chemical analyses by Barringer Magenta Laboratories (Alberta) Ltd., Calgary



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Contribution to the Canada/Yukon Subsidiary Agreement on Mineral Resources 1985-1989 under the Canada/Yukon Economic Development Agreement

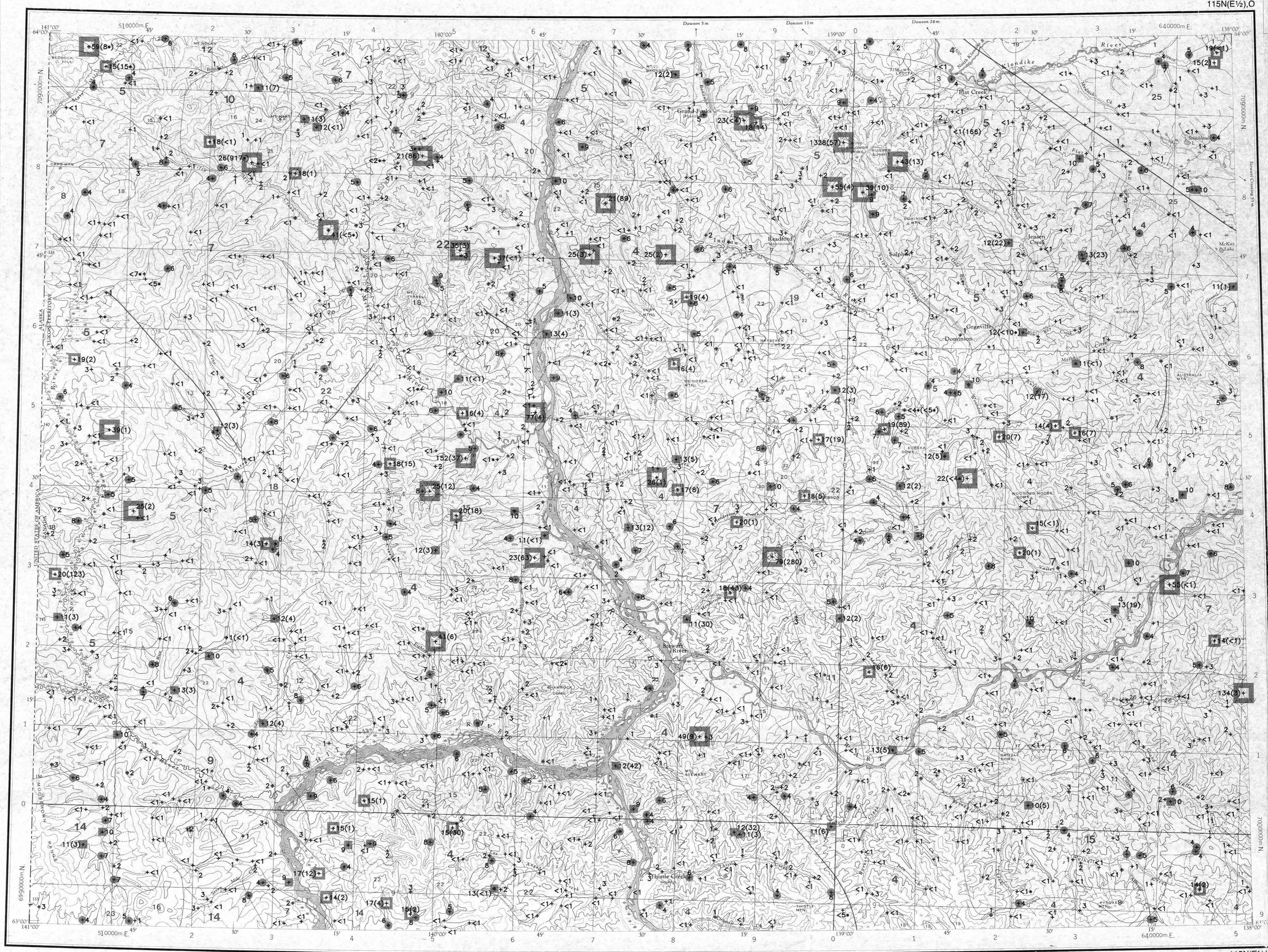


Copies of map material and listings of field observations, analytical data and methods, from which the open file was prepared, are available from:

K.G. Campbell Corporation
880 Wellington St.
Bay 238
Ottawa, Ontario
K1R 6K7

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

Geological Survey of Canada
Publications Distribution
601 Booth St.
Ottawa, Ontario K1A 0E8
Tel.: (613)995-4342



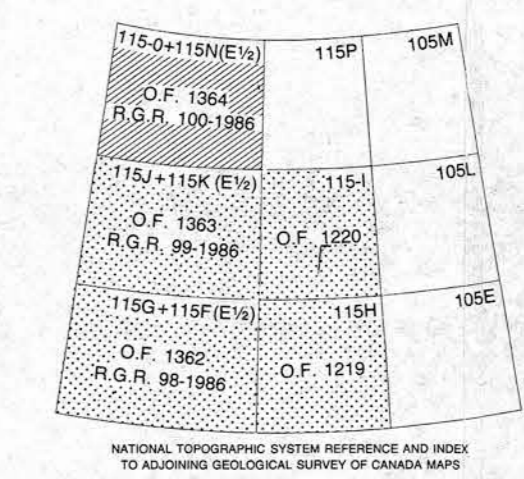
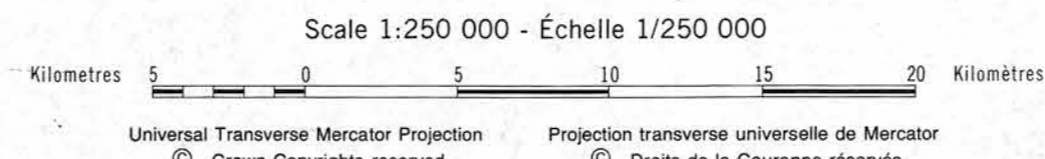
GOLD (ppb)
STREAM SEDIMENTS
GSC OPEN FILE 1364
REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 100-1986
CANADA - YUKON
SUBSIDIARY AGREEMENT ON MINERAL RESOURCES (1985-1989)
STREAM SEDIMENT AND WATER GEOCHEMICAL SURVEY
WESTERN YUKON, 1986

Elevation in feet above mean sea level

Base map at the same scale published by the Surveys and Mapping Branch in 1963

Mean magnetic declination 1987, 30°25' East, decreasing 13.5' annually. Readings vary from 30°25'E in the SE corner to 30°20'E in the NW corner of the map area

Please refer to Open File text for discussion of gold presentation format and geochemical interpretation.



Au value (ppb) +17
 * denotes an analysis performed on a sample weight <10 g.
 () 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.

GOLD (ppb)
STREAM SEDIMENTS
GSC OPEN FILE 1364
WESTERN YUKON, 1986

LEGEND

QUATERNARY	RECENT		
26	RS 64* Basalt, andesite flows, breccia, tuff		
PLEISTOCENE AND RECENT	25	QS 64 Glacial and surficial deposits	
TERTIARY	24	TDI 57 Diorite	
OLIGOCENE AND MIOCENE	23	OMA 61 AMPHITHEATRE: Sandstone, conglomerate, shale, coal	
CARMACKS GROUP	22	OMCV 61 Andesite, basalt, breccia	
21	OMD 61 DONJEK: Tuff, breccia		
OLIGOCENE	CARMACKS GROUP	20	OCs 60 Conglomerate, sandstone, shale
LOWER TERTIARY	19	ITS 58 Conglomerate, sandstone, shale	
18	TVR 58 Rhyolite, quartz feldspar porphyry		
EARLY TERTIARY	ETf 57 Granite and syenite porphyry, rhyolite		
CRETACEOUS	16	KY 52 Syenite, monzonite	
15	QKM 52 Quartz monzonite, granodiorite; CASSIAR quartz monzonite, alaskite		
TRIASSIC	14	TGDN 42 Foliated hornblende granodiorite, quartz	
PALEOZOIC AND MESOZOIC UNDIVIDED	13	PMUB 40 Ultramafic rocks	
PALEOZOIC UNDIVIDED	12	PN 09 NASINA: Graphitic quartzite, schist	
10	PC 09 Limestone		
9	PTY 09 Chert, volcanic rocks, slate		
8	PV 09 Greenstone, amphibolite		
7	PQMN 09 Foliated muscovite quartz monzonite		
6	PGDN 09 PEGGY GNEISS: Foliated to gneissic granodiorite		
PERMIAN	SKOLAI GROUP	6	PS 36 Andesite, basalt, ultramafics, pyroclastics, phyllite, chert, limestone, conglomerate
CARBONIFEROUS AND PERMIAN	5	CPS 35 Quartz - muscovite schist	
4	CPSN 35 Schist, gneiss, includes BIG SALMON METAMORPHIC COMPLEX		
3	CPIB 35 Serpentinite, diorite, pyroxenite, peridotite		
DEVONIAN	2	DC 25 Limestone, marble	
ORDOVICIAN, SILURIAN AND LOWER DEVONIAN	1	OSDR 19 ROAD RIVER: Black graptolitic shale, chert	

*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., Tempelman-Kluit, D.J., Blusson, S.L. and Campbell, R.B. (1980) Map 1364A, MacMillan River, Yukon - District of Mackenzie - Alaska, NTS Sheet 105, 115, Geological Survey of Canada, Energy, Mines and Resources Canada. 1:1 000 000 Scale.