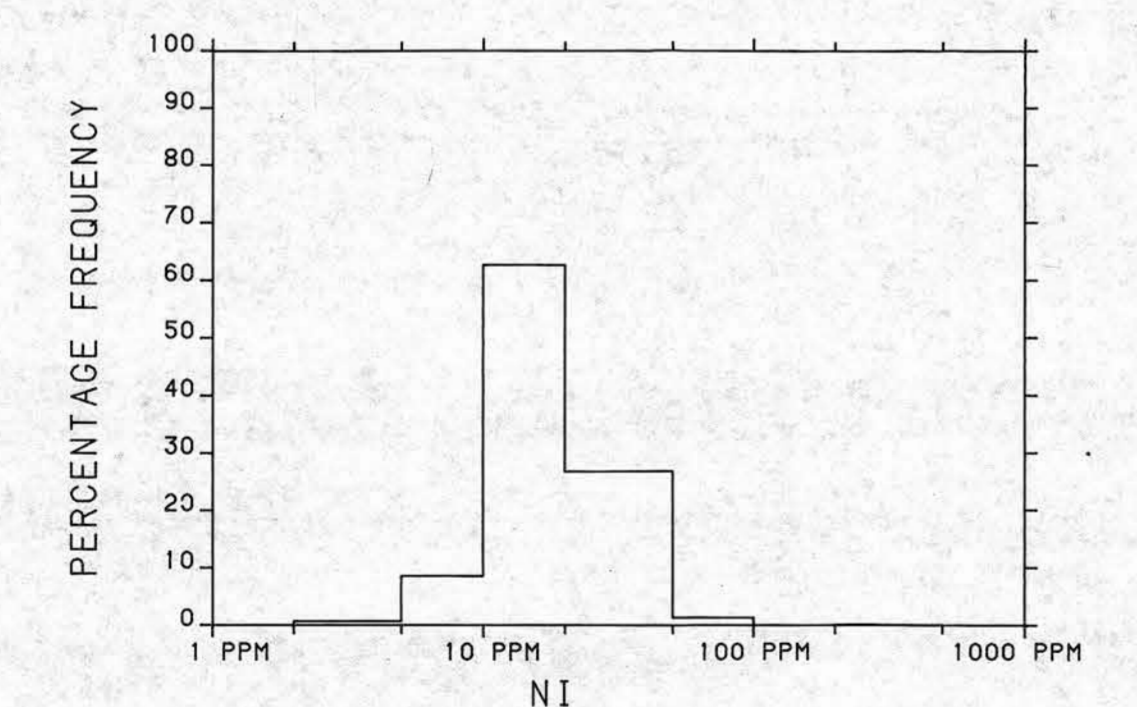
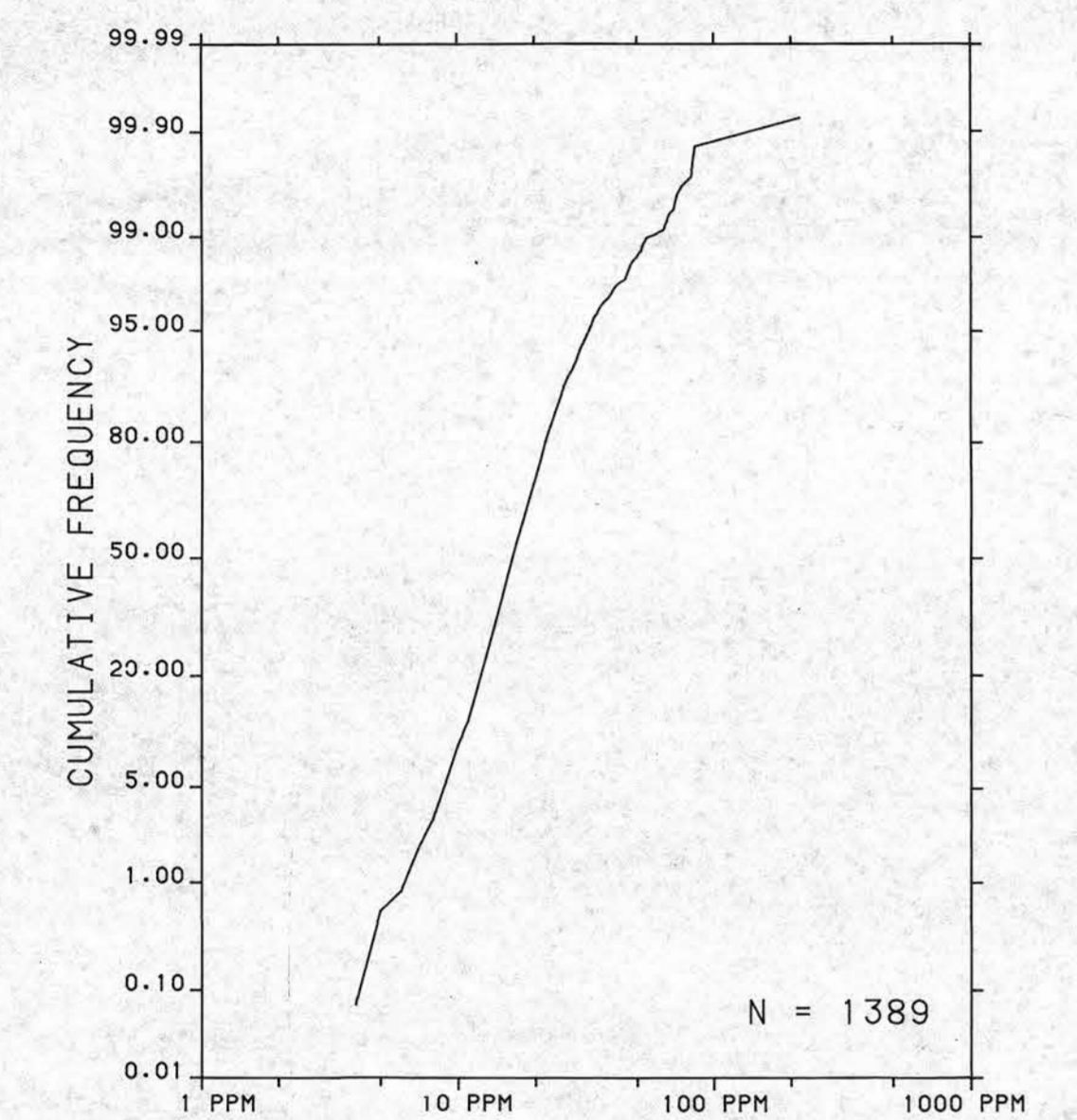


The regional geochemical trend map displayed above utilized a moving weighted average using an inverse distance function (1/d²) to filter out minor irregularities and emphasize broad-scale regional features. Single point anomalies may be suppressed or eliminated, however, geological units which are chemically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



CONCENTRATION	FREQUENCY
47 to 217	N = 26 (1.9%)
34 to 46	N = 38 (2.7%)
28 to 33	N = 65 (4.7%)
21 to 27	N = 262 (18.9%)
3 to 20	N = 998 (71.9%)

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.

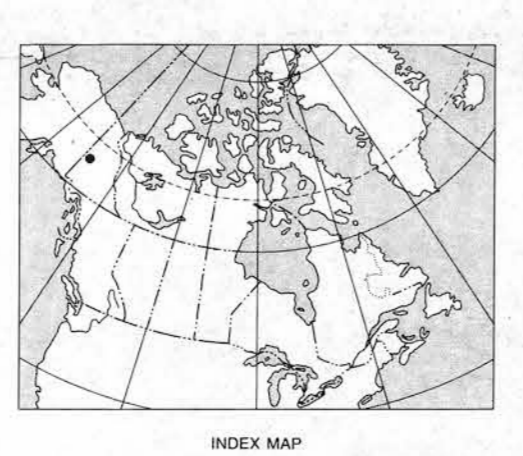
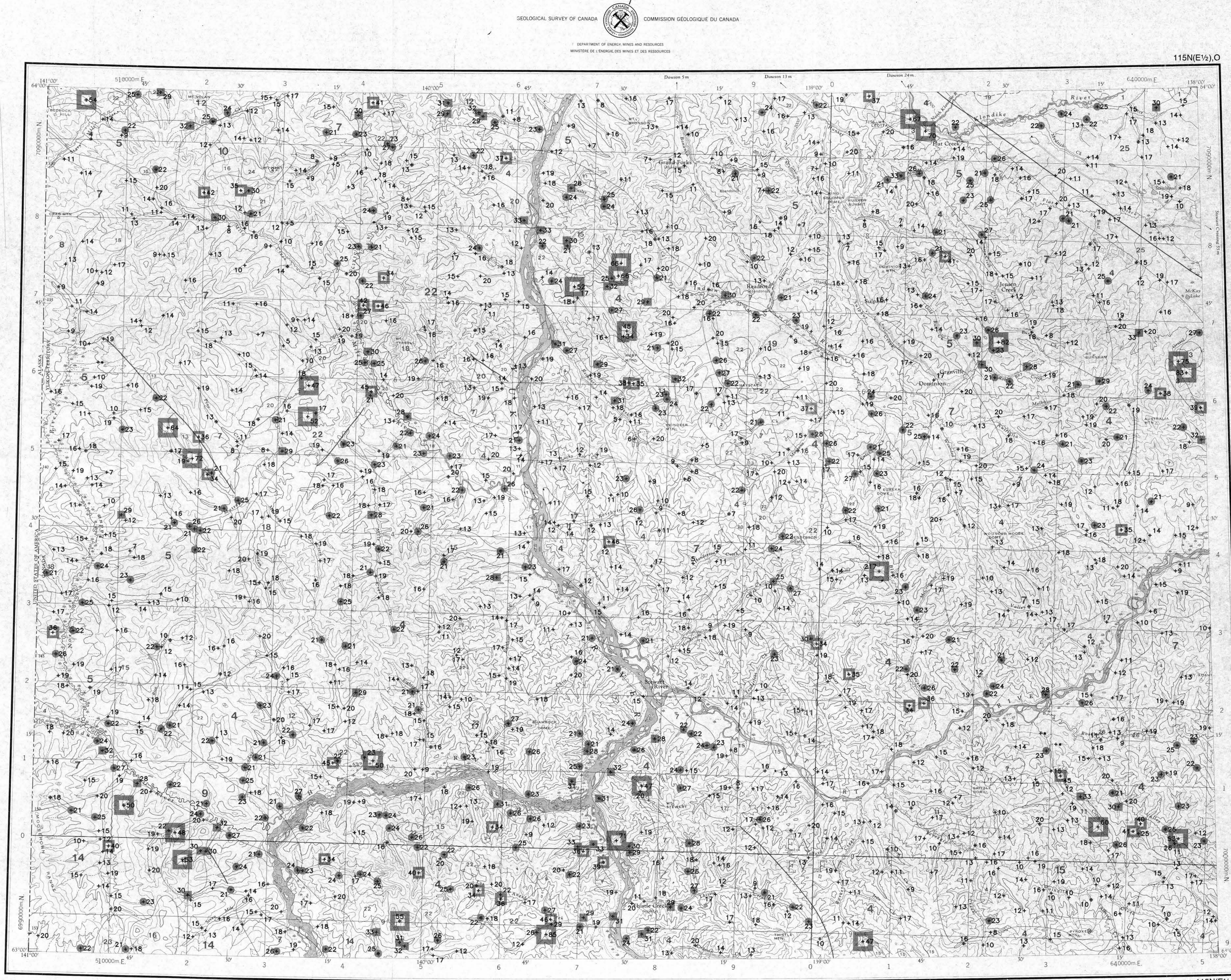
Geological Survey of Canada
Mineral Resources Division
Exploration Geochemistry Subdivision

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Sample preparation by Golder Associates, Ottawa

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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.
Box 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

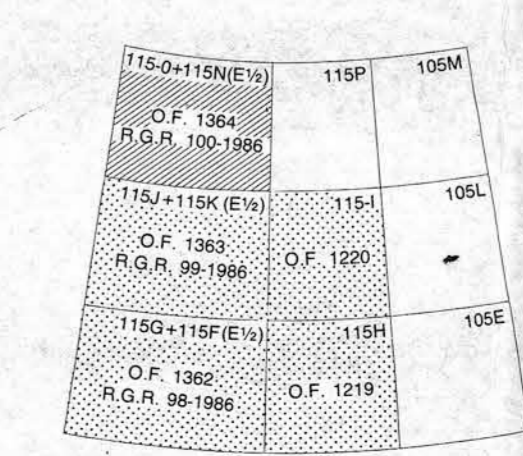
NICKEL (ppm)
STREAM SEDIMENTS
GSC OPEN FILE 1364
REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 100-1986
CANADA - YUKON
SUBSIDIARY AGREEMENT ON MINERAL RESOURCES (1985-1989)
STREAM SEDIMENT AND WATER GEOCHEMICAL SURVEY
WESTERN YUKON, 1986

Scale 1:250 000 - Echelle 1/250 000
Universal Transverse Mercator Projection
Projection transversale universelle de Mercator
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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



NICKEL (ppm)
STREAM SEDIMENTS
GSC OPEN FILE 1364
WESTERN YUKON, 1986

LEGEND

QUATERNARY	RECENT	SELKIRK GROUP
		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 DONJUK: 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 KQM 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 PM 09 NASINA: Graphitic quartzite, schist
		PC 09 Limestone
		10 PTV 09 Chert, volcanic rocks, slate
		9 PV 09 Greenstone, amphibolite
		8 PQMN 09 Foliated muscovite quartz monzonite
		7 PGDN 09 PELLY 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 CPSM 35 Schist, gneiss, includes BIG SALMON METAMORPHIC COMPLEX
		3 CPUB 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., Templeman-Kluit, D.J., Blusson, S.L. and Campbell, R.B. (1980) Map 1330A, 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.

NICKEL (ppm)
STREAM SEDIMENTS
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