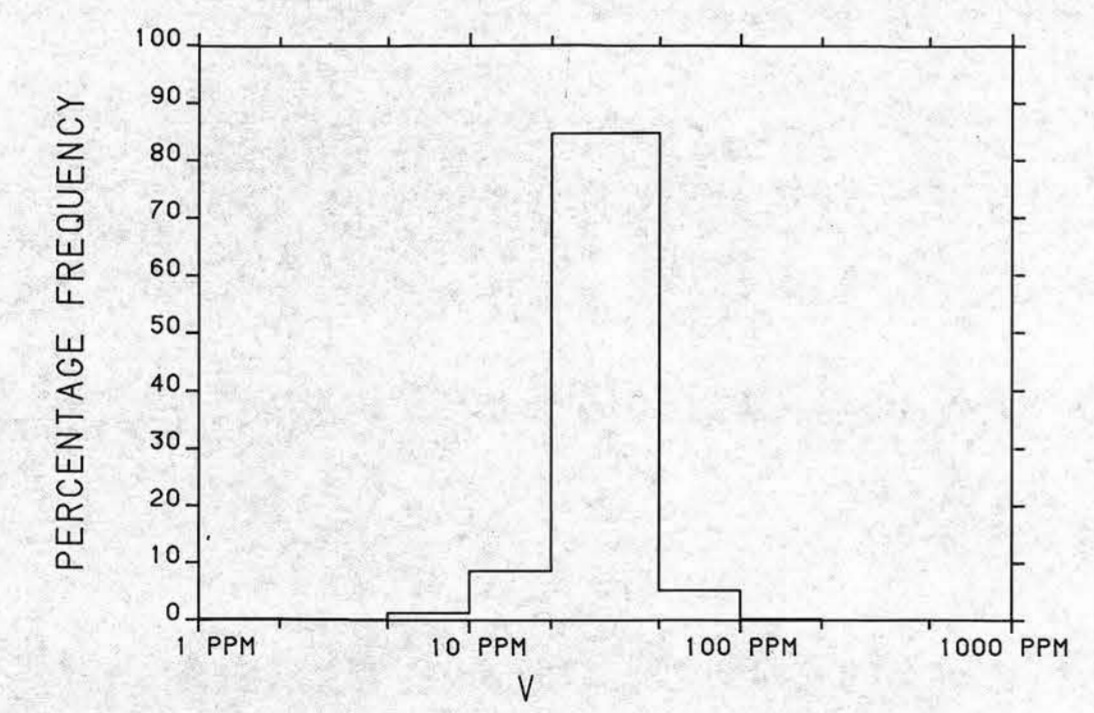
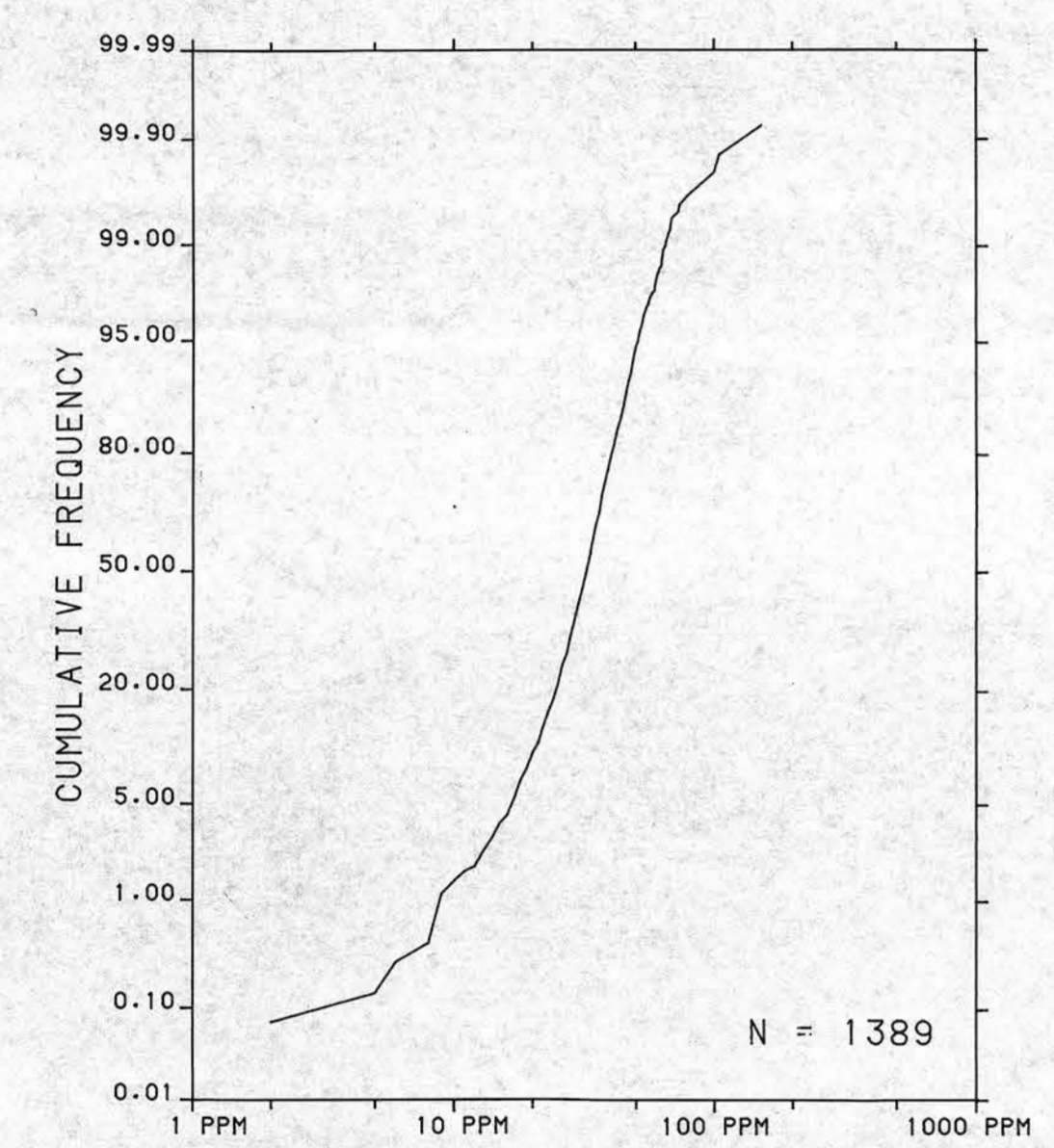


The regional geochemical trend map displayed above utilized a moving weighted average using an inverse distance function (1/d<sup>2</sup>) to filter out minor irregularities and emphasize broad-scale regional features. Single point anomalies may be suppressed or eliminated, however, geological units which are chemically enriched, or large metallic deposits undergoing weathering would be expected to produce identifiable anomalies.



CONCENTRATION	FREQUENCY	N	PERCENTAGE
61 to 152	+	25	1.8%
52 to 60	■	42	3.0%
47 to 51	■	70	5.0%
38 to 46	●	255	18.4%
<5 to 37	+	997	71.8%

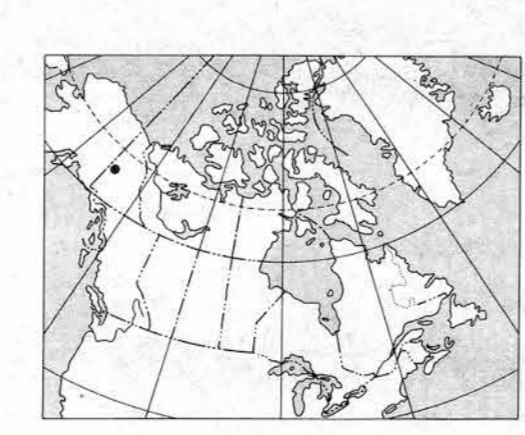
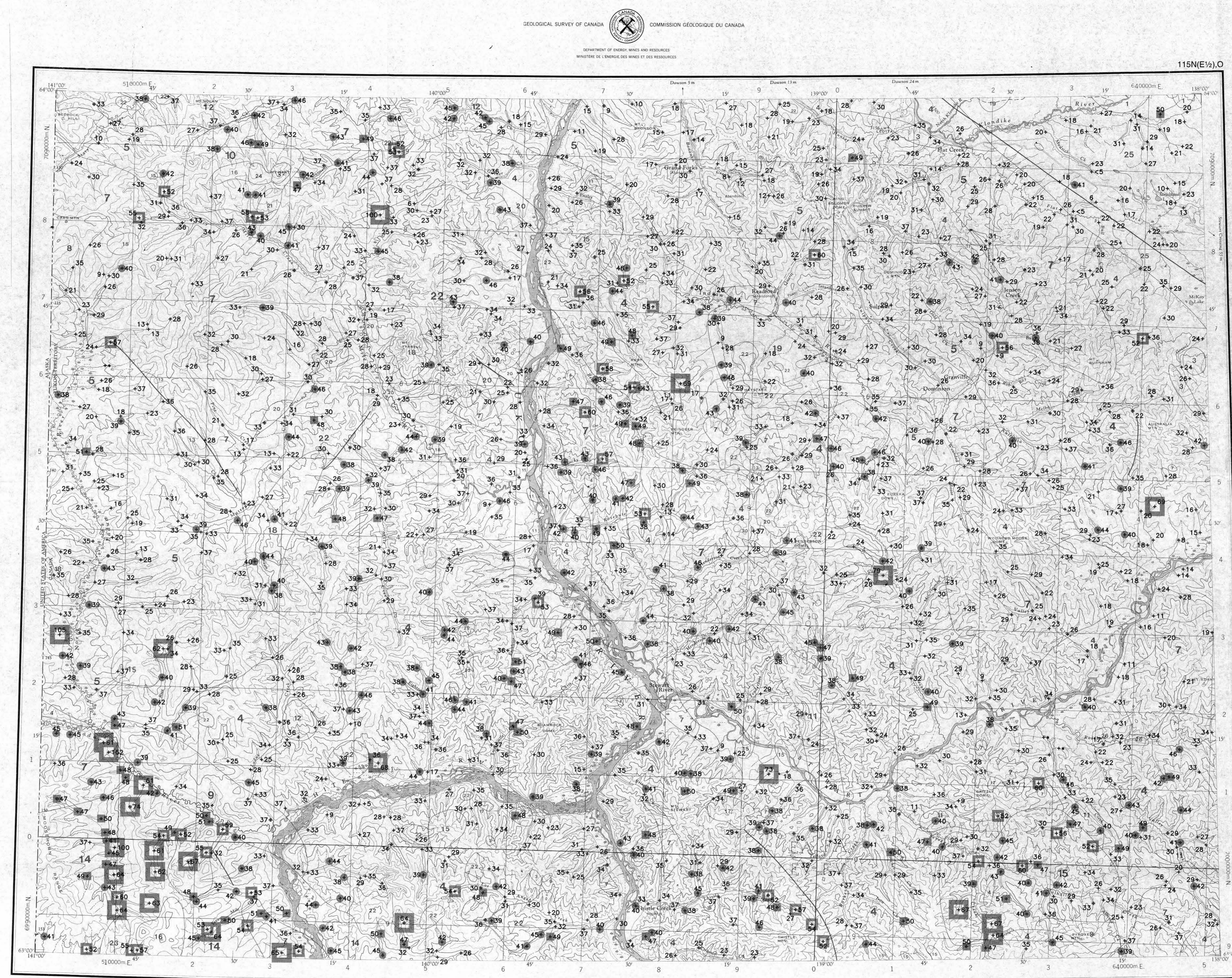
No comprehensive surficial or geomorphological data exists for the map area up to the release of this geochemical open file. A detailed geomorphology and surficial materials map, compiled by G.W. Morrison of Indian Affairs and Northern Development, Whitehorse, is forthcoming.

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

This document was produced by scanning the original publication. Ce document est le produit d'une numérisation par balayage de la publication originale.



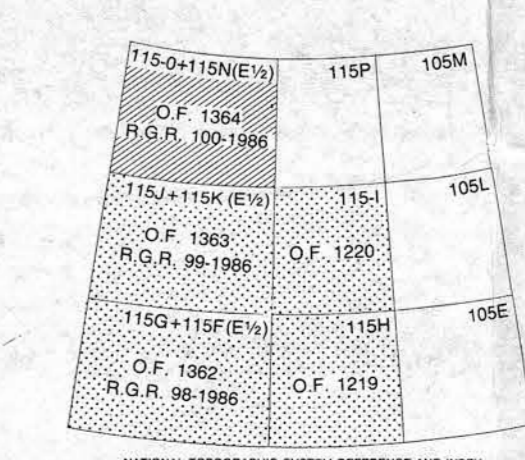
Copies of map material and listings of field observations, analytical data and methods, from which the open file was prepared, are available from:  
K.G. Campbell Corporation  
880 Wellington St.  
Bay 238  
Ottawa, Ontario  
K1R 6K7

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

**VANADIUM (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 transverse universelle de Mercator  
© Crown Copyright reserved  
© Droits de la Couronne réservés

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



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 DONJOK: Tuff, breccia
OLIGOCENE	
CARMACKS GROUP	
20	OCS 60 Conglomerate, sandstone, shale
LOWER TERTIARY	
19	TTS 58 Conglomerate, sandstone, shale
18	TVR 58 Rhyolite, quartz feldspar porphyry
EARLY TERTIARY	
ET 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	PN 09 WASINA: 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., Tempelman-Kluit, D.J., Blusson, S.L. and Campbell, R.B. (1982) Map 1398A, 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.