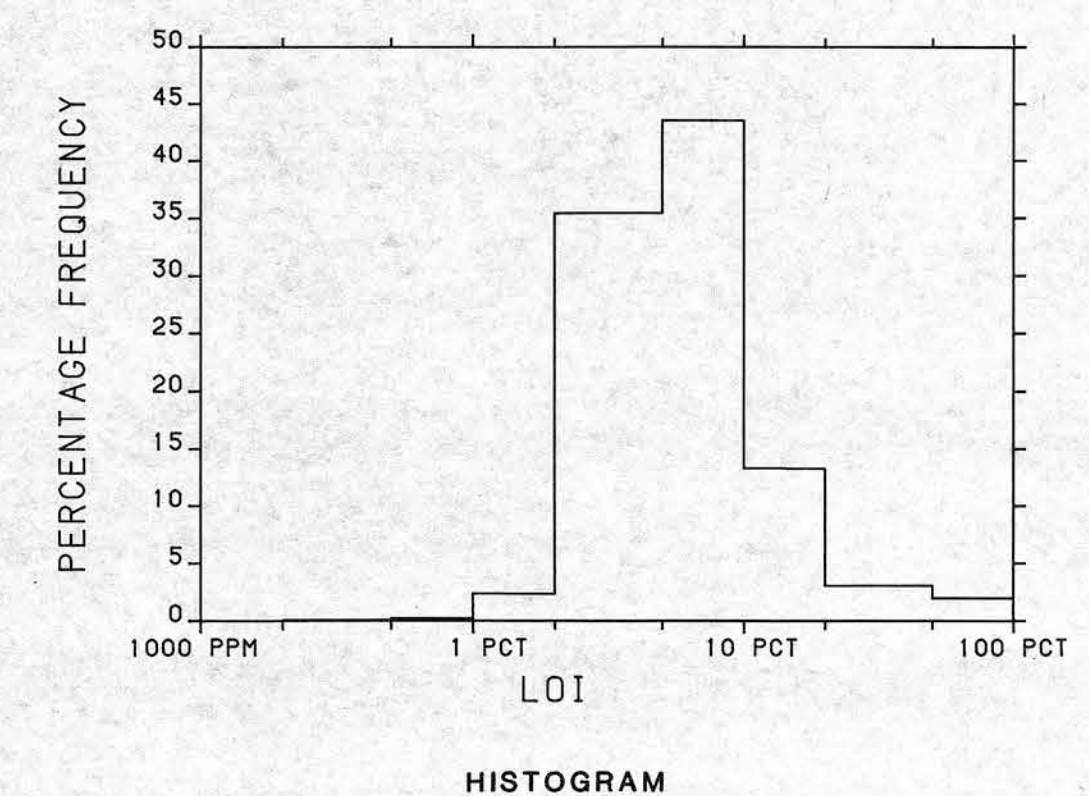
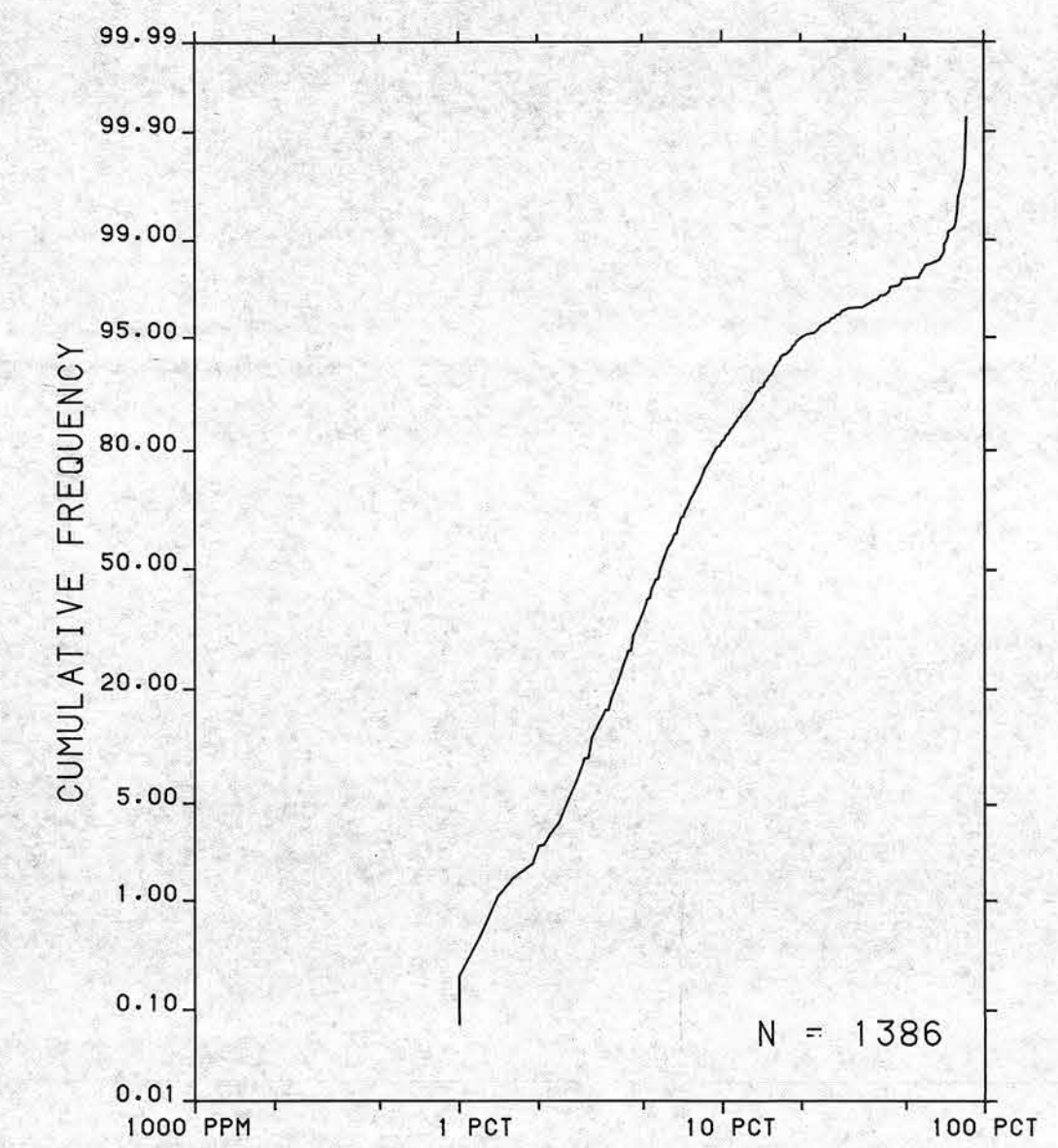


The regional geochemical trend map displayed above utilized a moving weighted average using an inverse distance function (1/d²) to filter out minor irregularities and emphasize broad-scale regional features. Single point anomalies may be suppressed or eliminated, however, geological units which are chemically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



SURFICIAL GEOLOGY

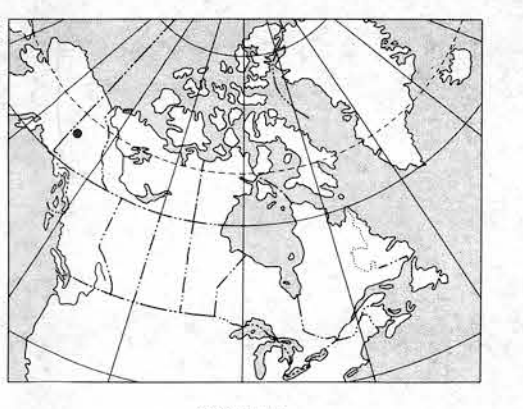
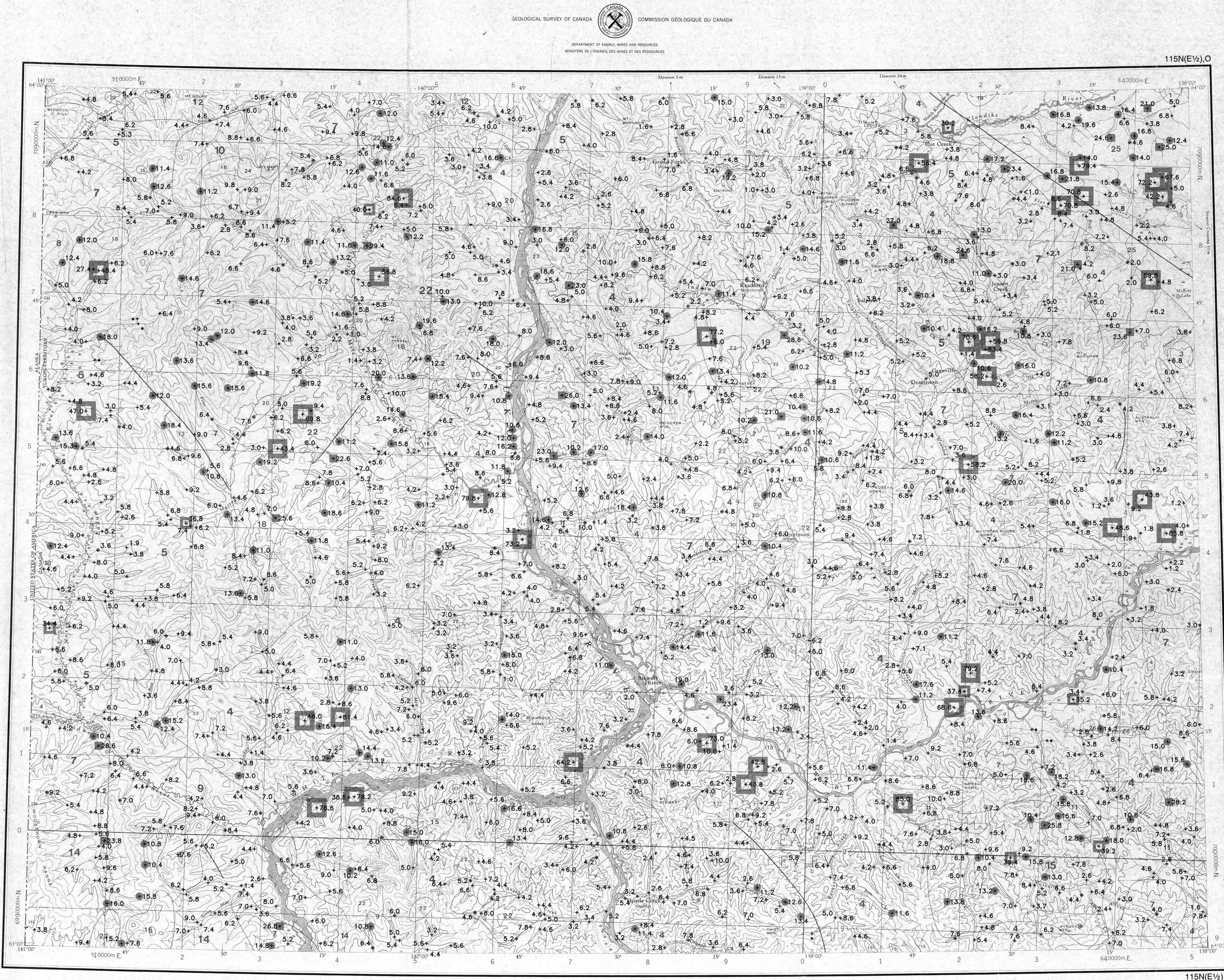
No comprehensive surficial or geomorphological data exists for the map area up to the release of this geochemical open file. A detailed geomorphology and surficial materials map, compiled by G.W. Morrison of Indian Affairs and Northern Development, Whitehorse, is forthcoming.

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

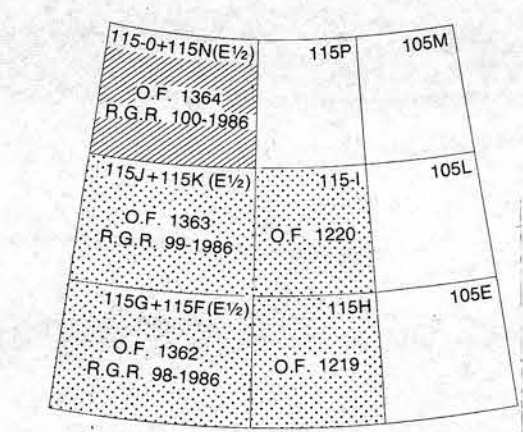
CONCENTRATION	FREQUENCY	N =	%
40.1 to 85.8	+	36	(2.6%)
30.1 to 40.0	□	9	(0.6%)
20.1 to 30.0	■	24	(1.7%)
10.1 to 20.0	●	184	(13.3%)
<1.0 to 10.0	+	1133	(81.7%)



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

LOSS ON IGNITION (%)
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

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	SELKIRK GROUP
	26	RS 64* Basalt, andesite flows, breccia, tuff
	25	QS 64 Glacial and surficial deposits
TERTIARY	24	TDI 57 Diorite
	23	OMA 61 AMPHITHEATRE: Sandstone, conglomerate, shale, coal
	22	OMCV 61 Andesite, basalt, breccia
	21	OMD 61 DONJEK: Tuff, breccia
	20	OC5 60 Conglomerate, sandstone, shale
	19	ITS 58 Conglomerate, sandstone, shale
	18	TVR 58 Rhyolite, quartz feldspar porphyry
	17	ET5 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 NASINA: Graphitic quartzite, schist
	11	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	6	SKOLAI GROUP
	5	PS 36 Andesite, basalt, ultramafics, pyroclastics, phyllite, chert, limestone, conglomerate
CARBONIFEROUS AND PERMIAN	4	CPS 35 Quartz - muscovite schist
	3	CPSN 35 Schist, gneiss, includes BIG SALMON METAMORPHIC COMPLEX
	2	CPUB 35 Serpentinite, diorite, pyroxenite, peridotite
DEVONIAN	1	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.