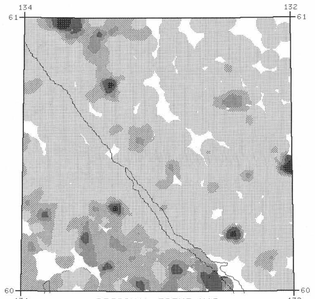
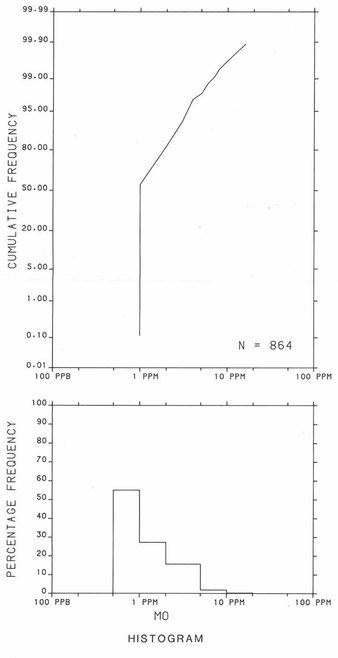


MO

PPM	%TILE
16	MAX
6	98
4	95
3	90
2	80
1	MIN

864 SAMPLES

The regional geochemical trend map displayed above utilized a moving weighted average using an inverse distance function ($1/d^3$) to filter out minor irregularities and emphasize broad-scale regional features. Single point anomalies may be suppressed or elliminated, however, geological units which are chemically enriched, or large metallic deposits undergoing weathering would be expected to produce identifiable anomalies.



HISTOGRAM

Geological Survey of Canada
Resource Geophysics and Geochemistry Division

CONTRACTORS

Sample collection by Rogers Exploration Services Ltd., Whitehorse
Sample preparation by Golder Associates, Ottawa
Gold analysis by Chemex Labs Limited, Vancouver, B.C.

Sediment chemical analyses by Barringer Magenta Ltd., Rexdale, Ontario
Water chemical analyses by Barringer Magenta Laboratories (Alberta) Ltd., Calgary

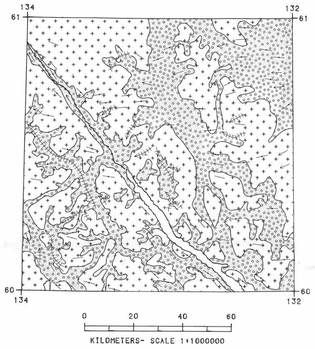
This map forms one of a series of maps released by the Geological Survey of Canada, Open Files 1217 to 1220. Each Open File consists of maps of various geochemical variables: 21 for stream sediment, 3 for stream water and 1 sample site location

Copies of map material and listings of field observations and analytical data, from which the material was prepared, may be available at users expense by application to:

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

The data are also available in digital form. For further information please contact:

The Director
Computer Science Centre
Department of Energy, Mines and Resources
Ottawa, Ontario
K1A 0E4



SURFICIAL GEOLOGY

Undivided surficial deposits; includes alluvium, glacial till, ground moraine, outwash and ice contact deposits, colluvium.

Bedrock exposures; includes discontinuous veneer of undivided glacial drift, local alpine glaciation features.

SYMBOLS

Surficial deposit boundary . . . . . .

Meltwater channels, outwash deposits, indicating direction of flow . . . .

Glaciation lineation parallel to ice flow direction, includes fluting, crag and tail, roches moutonees and drumlinoid forms, direction of flow known, unknown . . . . . //

Drumlinoid form, direction of movement inferred, not inferred . . . . . //

Sources of information:

Hughes, O.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.

Mulligan, R. (1963) Geology TESLIN, Yukon Territory, Geological Survey of Canada, Map 1125A (1:253 440 scale).

Prest, V.K., Grant, D.R., and Rampton, V.N. (1967) Glacial Map of Canada, Geological Survey of Canada (1:5 000 000 scale).

Canada

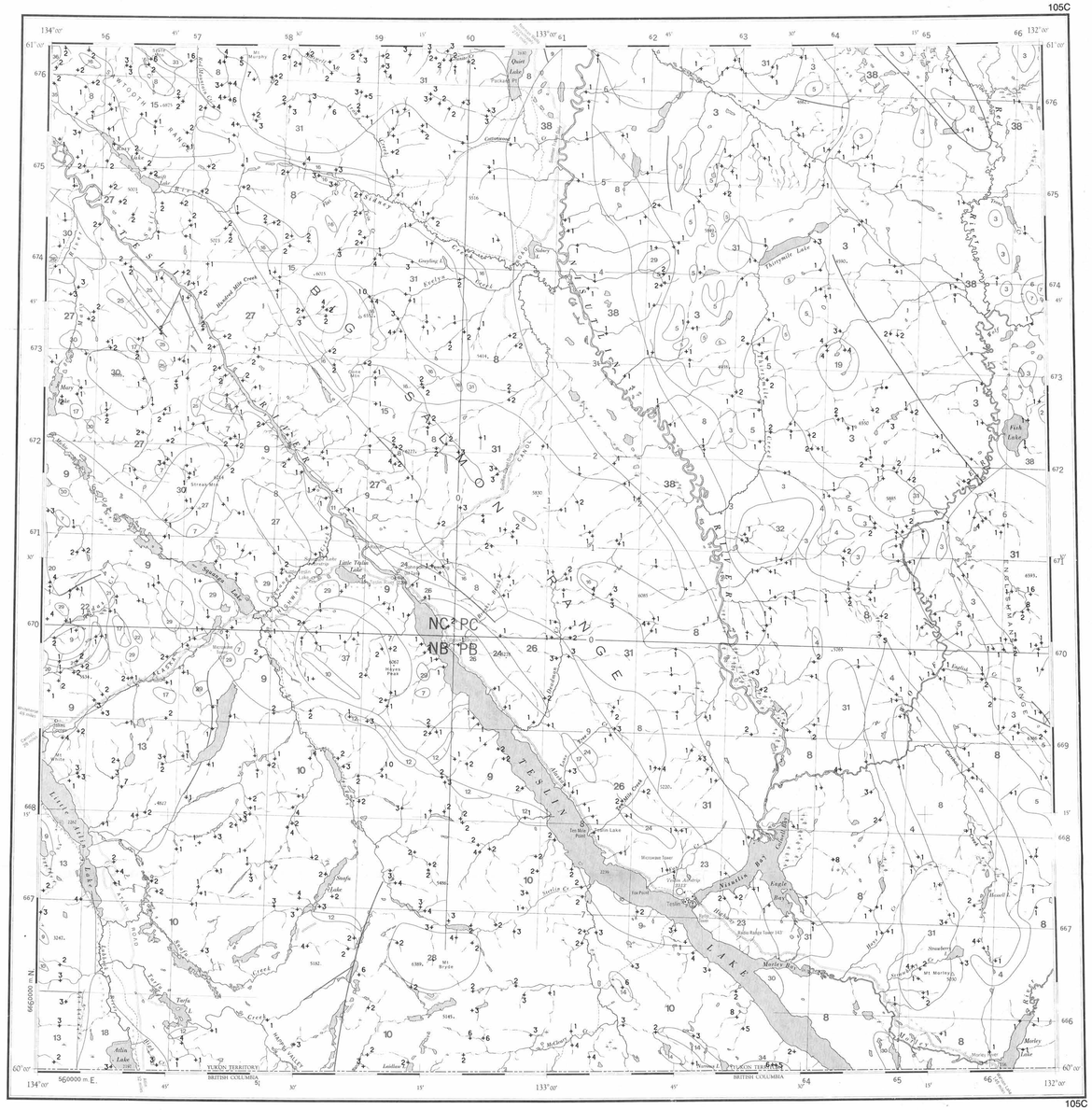
Contribution to the Canada/Yukon Subsidiary Agreement on Mineral Resources 1985-1989 under the Canada/Yukon Economic Development Agreement

Yukon Government

GEOLOGICAL SURVEY OF CANADA
COMMISSION GÉOLOGIQUE DU CANADA

DEPARTMENT OF ENERGY, MINES AND RESOURCES
MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES

105C



105C

Elevation in feet above mean sea level

Mean magnetic declination 1986, 29°38' East, decreasing 15.3' annually. Readings vary from 29°23' E in the SE corner to 29°50' E in the NW corner of the map area

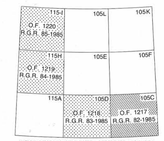
MOLYBDENUM (ppm)
GSC OPEN FILE 1217
REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 82-1985
CANADA-YUKON
MINERAL DEVELOPMENT AGREEMENT (1984-89)
STREAM SEDIMENT AND WATER GEOCHEMICAL SURVEY
SOUTHERN YUKON TERRITORY, 1985

Scale 1:250 000

Kilometres 5 0 5 10 15 20 Kilometres

Universal Transverse Mercator Projection

Base map at the same scale published by the Surveys and Mapping Branch in 1979 Streams were revised by the Geological Survey of Canada for this edition



NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX TO ADJOINING GEOLOGICAL SURVEY OF CANADA MAPS

MOLYBDENUM (ppm)
GSC OPEN FILE 1217
SOUTHERN YUKON TERRITORY, 1985

LEGEND

CENOZOIC	QUATERNARY		
	38	QS 64*	Glacial and surficial deposits
	TERTIARY		
			LATE TERTIARY
	37	LTG 62	Rhyolite porphyry, granite, granodiorite
			PLIOCENE
	36	PV 62	Basalt
			EOCENE
			MOUNT NANSEN GROUP
	35	EMN 59	Acid to intermediate tuff, breccia
			SLOKO GROUP
	34	ESL 59	Rhyolite, trachyte
	CRETACEOUS AND TERTIARY		
	33	KTVD 56	Andesite and dacite porphyry
MESOZOIC	CRETACEOUS		
	32	KY 52	Syenite, monzonite
	31	KQM 52	Quartz monzonite, granodiorite; CASSIAR quartz monzonite, alaskite
	30	KGD 52	Granodiorite
	JURASSIC AND CRETACEOUS		
	29	JKDI 51	Diorite, hornblende diorite
	28	JKB 51	Gabbro, diorite, some ultramafic rocks
	TRIASSIC AND JURASSIC		
	27	TJS 46	Argillite, sandstone, siltstone
	26	TJSV 46	Volcanic and sedimentary rocks
	25	TJC 46	Limestone
	24	TJVP 46	Augite, hornblende feldspar porphyry
	TRIASSIC		
	23	TV 42	Basaltic greenstone
			UPPER TRIASSIC
			LEWES RIVER GROUP (UTLW, UTC, UTLV)
	22	UTLW 45	Greywacke, argillite, conglomerate
	21	UTC 45	Limestone
	20	UTLV 45	Andesite, basalt
	MESOZOIC UNDIVIDED		
	19	MGD 41	Granodiorite, quartz monzonite
	18	MGDN 41	Foliated hornblende granodiorite, quartz monzonite
	PERMIAN AND TRIASSIC		
	17	PTUB 40	Pyroxenite, serpentinite
PALEOZOIC	PALEOZOIC UNDIVIDED		
	16	PC 09	Limestone
	15	PGDN 09	PELLY GNEISS: Foliated to gneissic granodiorite
	PERMIAN		
	14	PT 36	TESLIN: Limestone
	CARBONIFEROUS AND PERMIAN		
	13	CPH 35	HORSEFEED: Limestone
	12	CPKC 35	KEDAHDA: Limestone
	11	CPC 35	Limestone
	10	CPK 35	KEDAHDA: Chert, argillite
	9	CPV 35	Andesite, basalt, chert, tuff
	8	CPSN 35	Schist, gneiss; includes BIG SALMON METAMORPHIC COMPLEX
	7	CPUB 35	Serpentinite, diorite, pyroxenite, peridotite
	PENNSYLVANIAN		
	6	PCG 33	Limestone
	MISSISSIPPIAN		
	5	MC 34	Limestone
	CARBONIFEROUS		
	4	CC 30	Limestone
			ENGLISHMANS GROUP
	3	CE 30	Quartzite, phyllite, schist, chert, conglomerate, limestone
	2	CTP 30	Chert, argillite, phyllite, quartzite
	SILURIAN AND DEVONIAN		
	1	SDCQ 24	Dolomite, quartzite, argillite

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

Geological boundary .....

Fault .....

No analytical result .....*

Geological base and legend are derived from: Map 1398A, MACMILLAN RIVER, YUKON - DISTRICT OF MACKENZIE - ALASKA, NTS SHEET 105, 115. Compiled by H. Gabrielse, D.J. Tempelman-Kluit, S.L. Blusson and R.B. Campbell, Geological Survey of Canada, Energy, Mines and Resources Canada, 1980. 1:1 000 000 scale

MOLYBDENUM (ppm)
GSC OPEN FILE 1217
SOUTHERN YUKON TERRITORY, 1985