

CONCENTRATION	FREQUENCY
6 - 24	◇ N = 52 (4.3%)
5 - 5	◇ N = 1 (0.1%)
4 - 4	◆ N = 28 (2.3%)
3 - 3	• N = 4 (0.3%)
2 - 2	• N = 1134 (93.0%)

CONTRACTORS - 104F

Sample collection by McElhenny Engineering Services Limited, Vancouver, B.C.

Sample preparation by Kamlopa Research and Assay Lab, Kamlopa, B.C.

Sediment chemical analyses by Bondar Clegg and Company Limited, North Vancouver, B.C.

Water chemical analyses by Barringer Magenta, Calgary, Alta.

CONTRACTORS - 104G

Sample collection by McElhenny Engineering Services Limited, Vancouver, B.C.

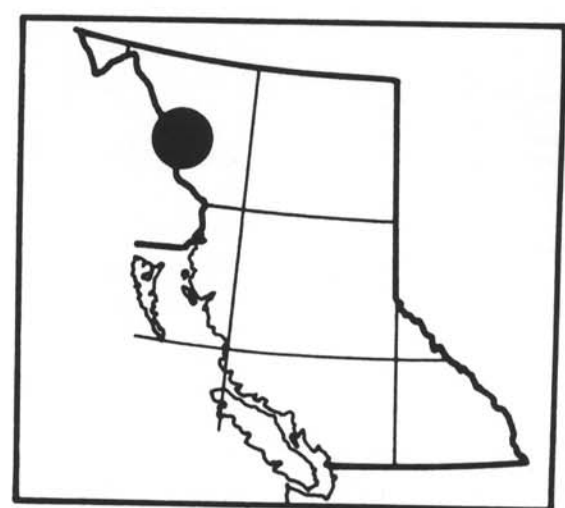
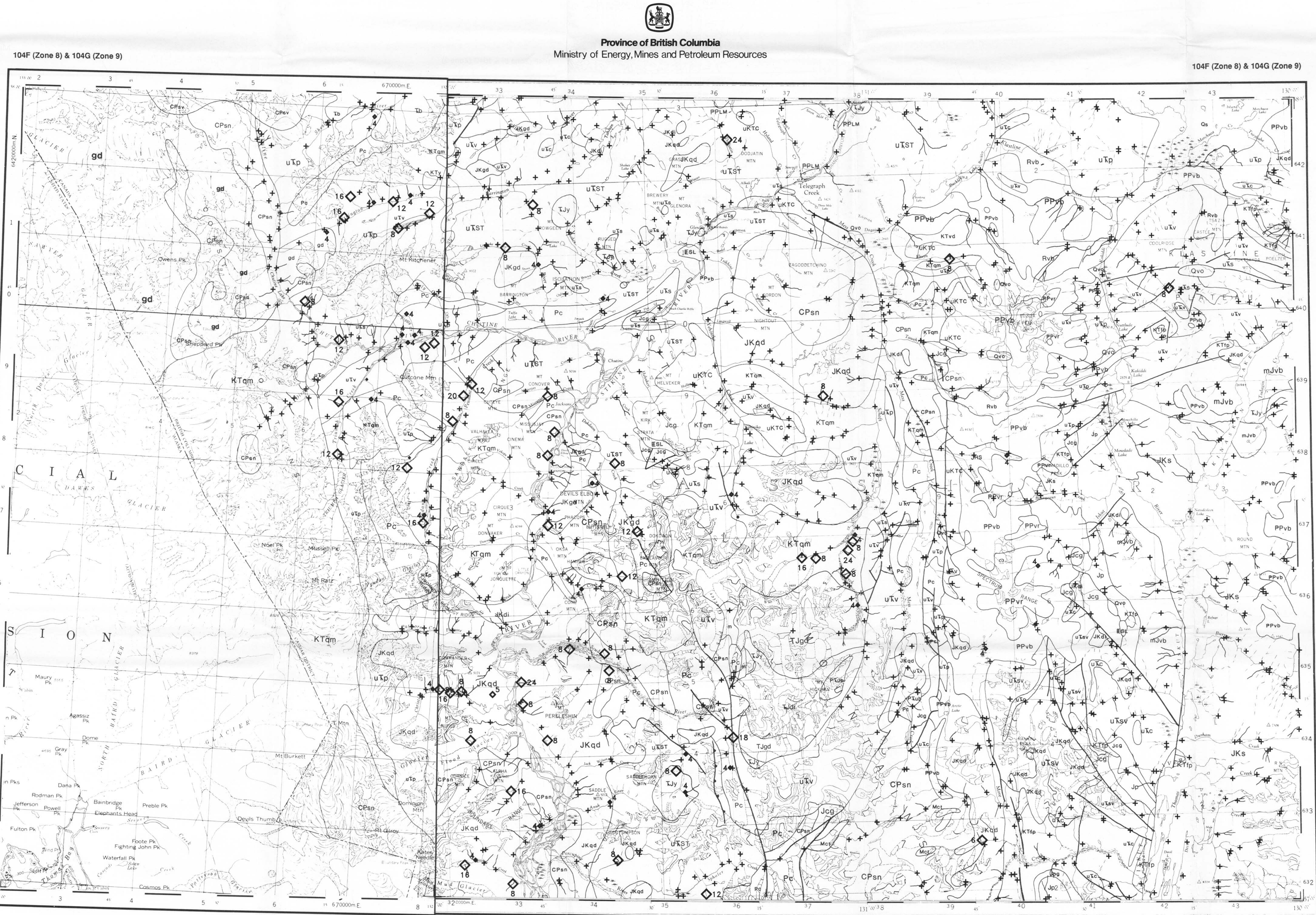
Sample preparation by Golder Associates, Ottawa, Ont.

Sediment chemical analyses by Bondar Clegg and Company Limited, Ottawa, Ont.

Water chemical analyses by Chemex Labs, North Vancouver, B.C.

OPEN FILE PRODUCTION

British Columbia
Ministry of Energy, Mines and Petroleum Resources
Geological Survey Branch
Applied Geochemistry



This map forms one of a series of open file maps (B.C. RGS 18-20) released in 1988 by the British Columbia Geological Survey in cooperation with the Geological Survey of Canada. A 250 000 scale symbol and value maps for 20 elements in stream sediments and 2 elements in stream water, a current mineral inventory map, ratings of field and analytical results and a statistical summary. Copies of map material and listings of field observations, analytical data and methods, from which the open file was prepared are available for reference at:

Ministry Library in Victoria
Libraries of the Geological Survey of Canada
Map Library at the University of British Columbia, Vancouver

For purchase at:

Mapa B.C.
522 Superior Street
Victoria, B.C.
V8V 1Z3
(604) 367-1441

The data are also available in digital form on MS-DOS 5 1/4" diskettes.

For further information please contact:

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Victoria, British Columbia, V8V 1Z4
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TUNGSTEN (ppm)
STREAM SEDIMENTS

B.C. RGS 19
GSC OPEN FILE 1646

NATIONAL GEOCHEMICAL RECONNAISSANCE MAP 111

CANADA-BRITISH COLUMBIA
MINERAL DEVELOPMENT AGREEMENT (1985-1989)

STREAM SEDIMENT AND WATER GEOCHEMICAL SURVEY

NORTHWESTERN BRITISH COLUMBIA, 1987

SCALE 1:250,000

0 5 10 15 20 25 30
KILOMETRES

Elevation in feet above mean sea level

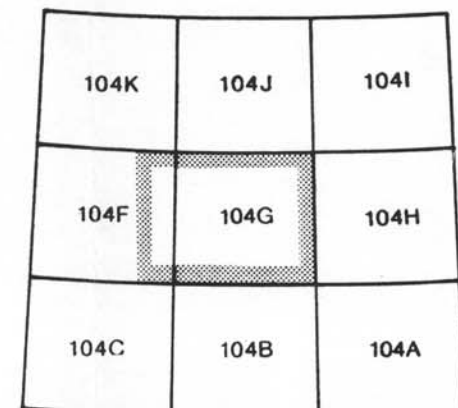
104G : Mean magnetic declination 1954, 20°15' East in centre of map area, decreasing 4.0' annually

104F : Mean magnetic declination 1966, 20°45' East in centre west edge of map area, increasing 3.8' annually

Universal Transverse Mercator Projection
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Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources
Energy, Mines and Resources Canada
Energy, Mines and Resources Canada

THIS PROJECT IS A CONTRIBUTION TO THE CANADA-BRITISH COLUMBIA MINERAL DEVELOPMENT AGREEMENT, 1985-1990



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TUNGSTEN (ppm)	
STREAM SEDIMENTS	
B.C. RGS 19 GSC OPEN FILE 1646	
104F - SUMDUM / 104G - TELEGRAPH CREEK NORTHWESTERN BRITISH COLUMBIA, 1987	
LEGEND	
QUATERNARY	
RECENT	
Qs	(BSLT 64*) Basaltic, cinder, ash
PLEISTOCENE AND RECENT	
Qs	(TILL 64) Surficial clastic sediments and glacial deposits
Qv	(OLVB 64) Olivine basalt
TERTIARY AND QUATERNARY	
PLOCENE AND PLEISTOCENE	
PpLm	(BSLT 63) LEVEL MOUNTAIN GROUP: basalt
PpVb	(BTRT 63) Basalt, rhyolite, olivine, basalt
PpVr	(RYLT 63) Rhyolite, trachyte, tuff
TERTIARY	
EOCENE	
ESL	(RYLY 59) SLOKO GROUP: rhyolite, trachyte, andesite, basalt
CRETACEOUS AND TERTIARY	
KTvd	(ANDS 56) Andesite
CRETACEOUS	
UKTC	(SNDG 55) TANGO CREEK: sandstone, siltstone, coal
JURASSIC AND CRETACEOUS	
JKS	(SLSN 51) Siltstone, greywacke, conglomerate, shale (upper HAZELTON GROUP in part)
JURASSIC	
JHs	(SLSN 50) HAZELTON GROUP: siltstone, greywacke, sandstone, tuff
mJvb	(BSLT 49) Basalt, pillow lava, tuff, volcaniclastic rocks
Jp	(SHLE 49) Shale
JT	(CGLM 49) TAYNAHON: conglomerate, grit, greywacke
Jcg	(CGGK 49) Conglomerate, grit, greywacke
TRIASSIC	
UTp	(PLIT 45) Phyllite, argillite, siltstone, greywacke, limestone
US	(SLSN 45) Siltstone, chert, sandstone, tuff
USv	(ANDV 45) Undifferentiated andesitic volcanic and clastic sedimentary rocks
UST	(VLRK 45) STUHNIG GROUP: undifferentiated volcanic and sedimentary rocks
UV	(ANBT 45) Andesite, basalt
UVd	(ANDS 45) Andesite, pyroclastic rocks, greenstone
PERMIAN	
Pc	(LMSH 46) Limestone, minor calcareous shale
CARBONIFEROUS AND PERMIAN	
CPsn	(SCST 35) Schist, gneiss
CPsv	(GRNS 35) Greenstone, limestone, shale, clastic sedimentary rocks
MISSISSIPPIAN	
Mct	(LMTF 34) Limestone, tuff, chert
PLUTONIC ROCKS	
CRETACEOUS AND TERTIARY	
KTp	(FLSP 56) Felsite, keldap porphyry
KTam	(QTMZ 56) Quartz monzonite
KTv	(LSYN 56) Leucocratic syenite
JURASSIC AND CRETACEOUS	
JKgd	(GROR 51) Granodiorite
JKqd	(GRZD 51) Quartz diorite
JKdi	(DORT 51) Diorite
TRIASSIC AND JURASSIC	
TJgd	(GROR 46) Granodiorite
TJdi	(GRZD 46) Quartz diorite, diorite, amphibolite
TJy	(SYNT 46) Syenite, monzonite
TRIASSIC	
Tb	(DORT 42) Diorite, gabbro
Tdi	(DORT 42) Diorite, monzonite
PERMIAN AND TRIASSIC	
Pkub	(LUPC 40) Ultramafic rocks, serpentinite
AGE UNKNOWN	
gd	(GROR 65) Granodiorite
m	(AMPH 65) Amphibolite, gneiss, migmatite
SYMBOLS	
Geological boundary Fault Thrust fault Glaciers Field duplicate sample sites	
GEOLOGY AND MINERAL DEPOSITS	
Geological base and legend are derived from: Southern, J.D., Bore, D.A. and Oulash, A.V. (compilers) (1979) Iskut River, Geological Survey of Canada, Map 1418A. *A mnemonic code assigned to rock types and recorded as part of field observations. For location of the following specific information for this area refer to British Columbia Ministry of Energy, Mines and Petroleum Resources: mineral deposits refer to Mineral Inventory Map, M 104F - SUMDUM and M 104G - TELEGRAPH CREEK; assessment reports refer to Assessment Report Index Map, AR 104F - SUMDUM and AR 104G - TELEGRAPH CREEK; bedrock geological mapping refer to Index of Bedrock Mapping, 1983, for mineral and placer claim maps contact the Ministry of Energy, Mines and Petroleum Resources, Mineral Titles Branch, Victoria, for current editions and status.	

TUNGSTEN (ppm)
STREAM SEDIMENTS

B.C. RGS 19
GSC OPEN FILE 1646

104F - SUMDUM / 104G - TELEGRAPH CREEK
NORTHWESTERN BRITISH COLUMBIA, 1987