

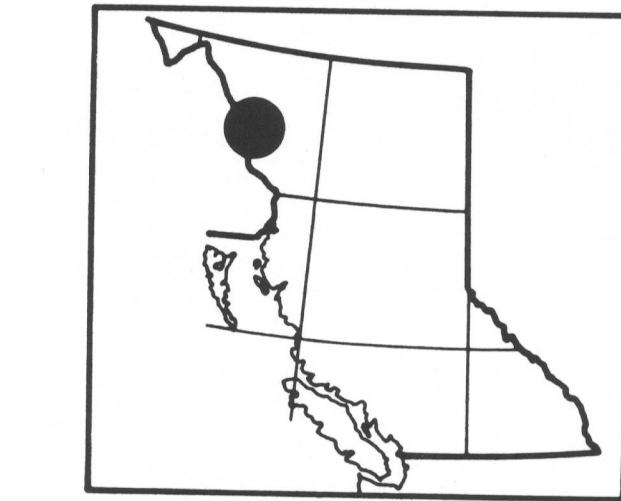
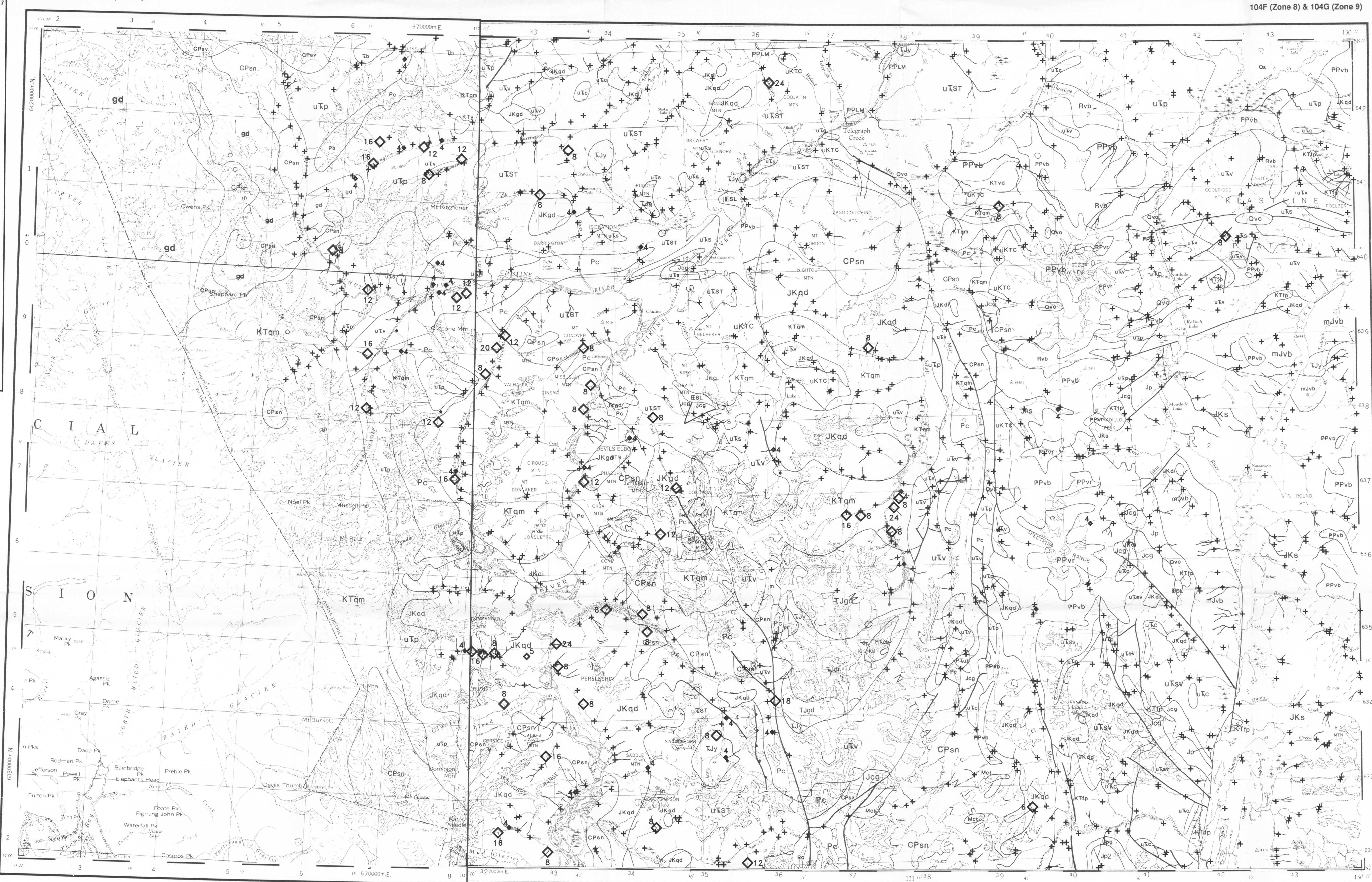
CONCENTRATION	FREQUENCY
6 - 24	◇ N = 52 (4.3%)
5 - 5	◆ N = 1 (0.1%)
4 - 4	♦ N = 28 (2.3%)
3 - 3	• N = 4 (0.3%)
2 - 2	+ N = 1134 (93.0%)

CONTRACTORS - 104F
 Sample collection by McElhannay Engineering Services Limited, Vancouver, B.C.
 Sample preparation by Kamloops Research and Assay Lab, Kamloops, B.C.
 Sediment chemical analyses by Bondar Clogg and Company Limited, North Vancouver, B.C.
 Water chemical analyses by Barringer Magenta, Calgary, Alta.

CONTRACTORS - 104G
 Sample collection by McElhannay Engineering Services Limited, Vancouver, B.C.
 Sample preparation by Golder Associates, Ottawa, Ont.
 Sediment chemical analyses by Bondar Clogg and Company Limited, North Vancouver, B.C.
 Water chemical analyses by Chemez Labs, North Vancouver, B.C.

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

104F (Zone 8) & 104G (Zone 9)



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. Open file RGS 18 consists of sample location maps at 1:100 000 and sediment and TUNGSTEN in stream water, a current mineral inventory map, listings 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:
 Sigma B.C.
 522 Superior Street
 Victoria, B.C.
 V8V 1X2
 (604) 387-1441

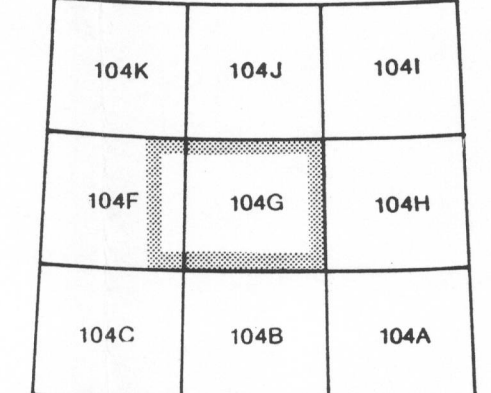
The data are also available in digital form on MS-DOS 5 1/4" diskettes. For further information please contact:
 Applied Geochemistry Subsection
 Geological Survey Branch
 Ministry of Energy, Mines and Petroleum Resources
 Parliament Buildings
 Victoria, British Columbia, V8V 1X4
 (604) 387-3234

Province of British Columbia
 Ministry of Energy, Mines and Petroleum Resources

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

Elevation in feet above mean sea level
 104G: Mean magnetic declination 1984, 2011° East in centre of map area, decreasing 4.0° annually
 104F: Mean magnetic declination 1986, 2044° East in centre west edge of map area, increasing 3.5° annually

Province of British Columbia
 Ministry of Energy, Mines and Petroleum Resources
 Energy, Mines and Petroleum Resources Canada
 THE PROJECT IS A CONTRIBUTION TO THE CANADA-BRITISH COLUMBIA MINERAL DEVELOPMENT AGREEMENT 1985-1989



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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
STRATIFIED ROCKS

- QUATERNARY**
 - RECENT: Rvb (BRLT 647) Basalts, cinder, ash
 - FLEISTOCENE AND RECENT: Qs (TLL 64) Surficial clastic sediments and glacial deposits; Qvb (OLVB 64) Olivine basalt
- TERTIARY AND QUATERNARY**
 - PLIOCENE AND PLEISTOCENE: PPLM (BSLT 63) LEVEL MOUNTAIN GROUP: basalt; PPvb (BTRT 63) Basalt, rhyolite, olivine, basalt; PPv (RYLT 63) Rhyolite, trachyte, tuff
- TERTIARY**
 - Eocene: EBL (RYLT 59) SLOKO GROUP: rhyolite, trachyte, andesite, basalt
 - Cretaceous and Tertiary: KTVd (ANDS 56) Andesite
 - Cretaceous: UKTC (SND5 55) TANGO CREEK: sandstone, siltstone, coal
 - Jurassic and Cretaceous: JKs (BSLN 51) Siltstone, greywacke, conglomerate, shale (upper HAZELTON GROUP in part)
 - Jurassic: JHS (BSLN 50) HAZELTON GROUP: siltstone, greywacke, sandstone, tuff; mJvb (BSLT 49) Basalt, pillow lava, tuff, volcaniclastic rocks; Jp (SHE 49) Shale; JT (CGLM 49) TAKWAHONI: conglomerate, grit, greywacke; Jcg (CGGK 49) Conglomerate, grit, greywacke
 - Triassic: UPLT (PLT 45) Phyllite, argillite, siltstone, greywacke, limestone; ULSN (BSLN 45) Siltstone, chert, sandstone, tuff; UANDV (ANDV 45) Undifferentiated andesitic volcanic and clastic sedimentary rocks; USTH (VLK 45) STUHNI GROUP: undifferentiated volcanic and sedimentary rocks; UANB (ANB 45) Andesite, basalt; UANDS (ANDS 45) Andesite, pyroclastic rocks, greenstone
 - Permian: Pc (LMSH 36) Limestone, minor calcareous shale
 - CARBONIFEROUS AND PERMIAN: CPsn (SCST 35) Schist, gneiss; CPav (GRNS 35) Greenstone, limestone, shale, clastic sedimentary rocks
 - MISSISSIPPIAN: Mct (LMTF 34) Limestone, tuff, chert
 - PLUTONIC ROCKS:
 - Cretaceous and Tertiary: KTLp (PLSP 56) Felts, feldspar porphyry; KTMZ (QTMZ 56) Quartz monzonite; KTY (LSYN 56) Leucocratic syenite
 - Jurassic and Cretaceous: JKgd (GRDR 51) Granodiorite; JKqd (GRZD 51) Quartz diorite; JKdi (DORT 51) Diorite
 - Triassic and Jurassic: Tjgd (GRDR 46) Granodiorite; Tjdi (GRZD 46) Quartz diorite, diorite, amphibolite; Tjy (SYNT 46) Syenite, monzonite
 - Triassic: Tdb (DORT 42) Diorite, gabbro; Tdi (DORT 42) Diorite, monzonite
 - PERMIAN AND TRIASSIC: PSub (LAMP 40) Ultramafic rocks, serpentinite
 - AGE UNKNOWN: gd (GRDR 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.G., Breen, D.A. and Oulley, A.V. (compilers) (1979) Iskut River, Geological Survey of Canada, Map 1415A.

*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; 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