

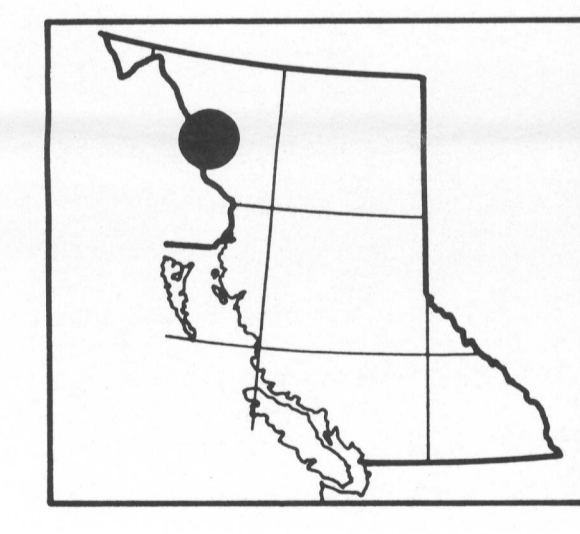
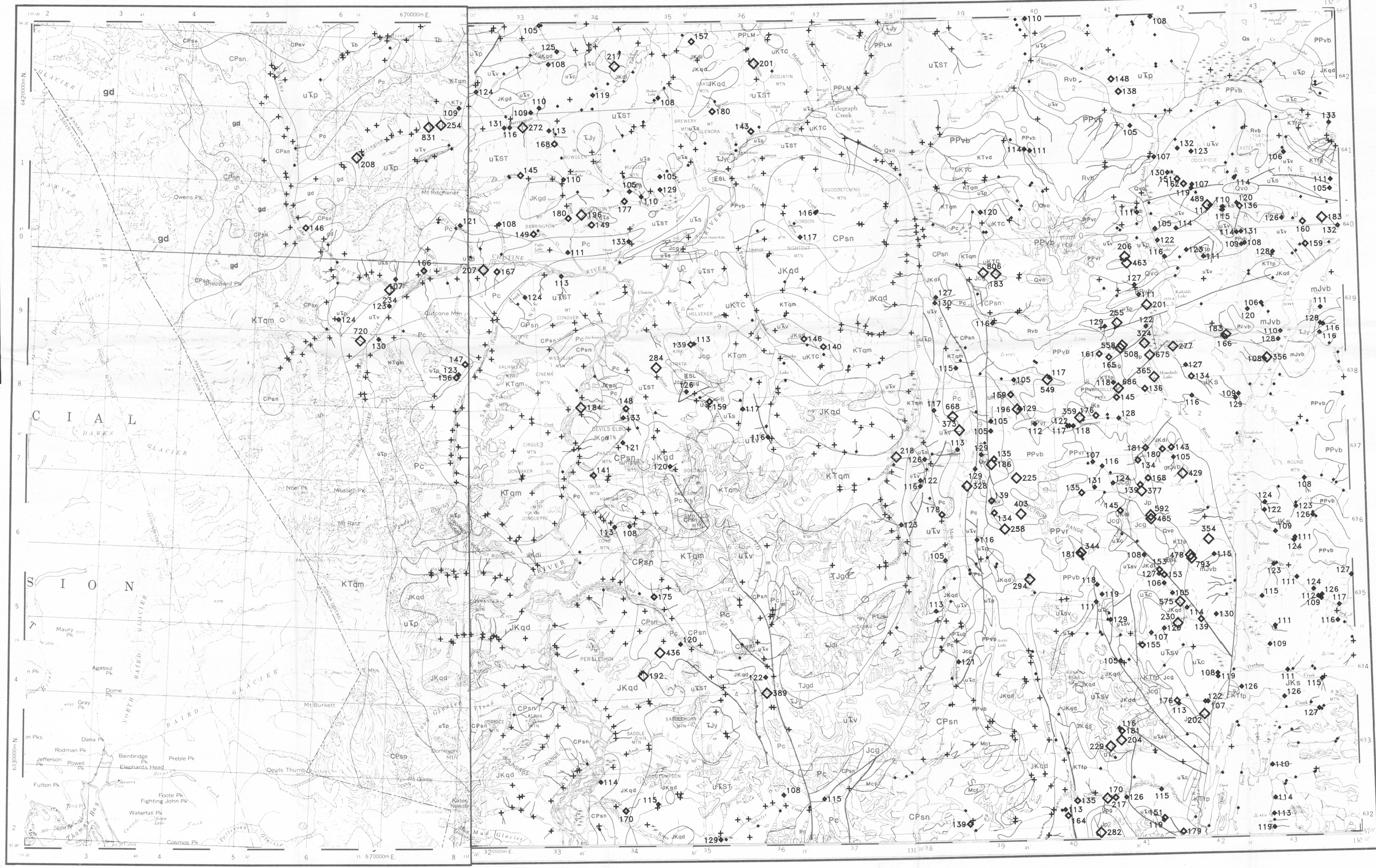
CONCENTRATION	FREQUENCY
182 - 831	◆ N = 60 (4.9%)
134 - 181	◆ N = 62 (5.1%)
105 - 133	◆ N = 183 (15.0%)
79 - 104	◆ N = 300 (24.6%)
13 - 78	◆ N = 614 (50.4%)

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 Clegg 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 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

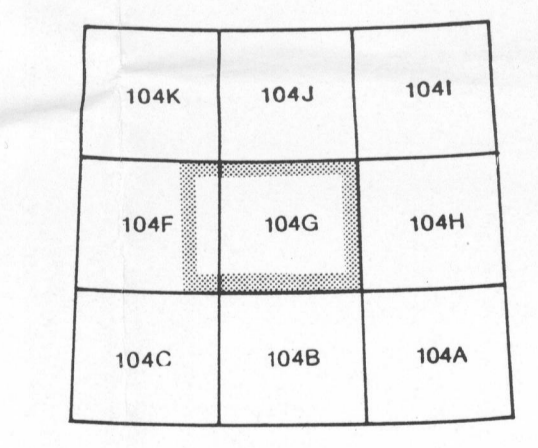
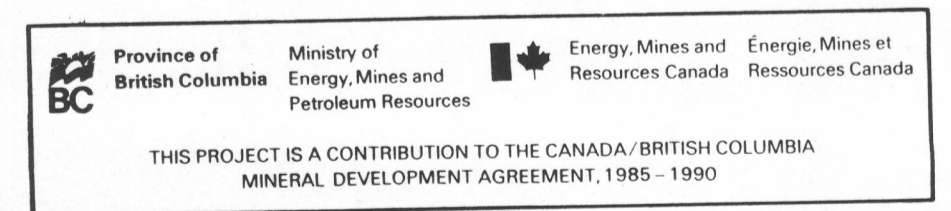
104F (Zone 8) & 104G (Zone 9)



This map forms one of a series of open file maps (B.C. RGS 19-20) released in 1989 by the British Columbia Geological Survey in cooperation with the Geological Survey of Canada.
 Open file RGS 19 consists of sample location maps at 1:100 000 and 1:250 000 scales, symbol and value maps for 20 elements in stream sediments and 9 elements 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:
 Maps B.C.
 533 Superior Street
 Victoria, B.C.
 V8T 1X3
 (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) 387-3224

ZINC (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, 30°01' East in centre of map area, decreasing 4.0" annually
 104F: Mean magnetic declination 1986, 29°45' East in centre west edge of map area, increasing 3.8" annually
 Universal Transverse Mercator Projection
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ZINC (ppm)
STREAM SEDIMENTS
 B.C. RGS 19
 GSC OPEN FILE 1646
 104F - SUNDUM / 104G - TELEGRAPH CREEK
 NORTHWESTERN BRITISH COLUMBIA, 1987

- LEGEND**
STRATIFIED ROCKS
- QUATERNARY**
 RECENT
 Rvb (BSLT 64) Basalt, cinder ash
 PLEISTOCENE AND RECENT
 Qa (TIL 64) Surficial clastic sediments and glacial deposits
 Qvb (OLVB 54) Olivine basalt
- TERTIARY AND QUATERNARY**
 PLEISTOCENE 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 (RYLT 59) SLECKO 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 (SLSN 51) Siltstone, greywacke, conglomerate, shale (upper HAZELTON GROUP in part)
- JURASSIC**
 JNs (SLSN 50) HAZELTON GROUP: siltstone, greywacke, sandstone, tuff
 mJvb (BSLT 49) Basalt, pillow lava, tuff, volcaniclastic rocks
 Jp (SHLE 49) Shale
 JT (CGLM 49) TAWAWHON: conglomerate, grit, greywacke
 Jcg (GGK 49) Conglomerate, grit, greywacke
- TRIASSIC**
 UTL (RYLT 45) Phyllite, argillite, siltstone, greywacke, limestone
 Uks (SLSN 45) Siltstone, chert, sandstone, tuff
 ULSv (ANDV 45) Undifferentiated andesitic volcanic and clastic sedimentary rocks
 ULST (VLRK 45) STUHLNI GROUP: undifferentiated volcanic and sedimentary rocks
 ULv (ANBT 45) Andesite, basalt
 ULvd (ANDS 45) Andesite, pyroclastic rocks, gneiss
- PERMIAN**
 Pc (LMSH 36) Limestone, minor calcareous shale
- CARBONIFEROUS AND PERMIAN**
 CPan (SCST 35) Schist, gneiss
 CPsv (GRNS 35) Gneiss, limestone, shale, clastic sedimentary rocks
- MISSISSIPPIAN**
 Mcl (LMTF 34) Limestone, tuff, chert
- PLUTONIC ROCKS**
 CRETACEOUS AND TERTIARY
 KTLp (FLSP 56) Felsite, felsoporphyr
 KTLm (OTM 56) Quartz monzonite
 KTY (LSV 56) Leucocratic syenite
- JURASSIC AND CRETACEOUS**
 JKgd (GRDR 51) Granodiorite
 JKqd (GRZD 51) Quartz diorite
 JKdi (DORT 51) Diorite
- TRIASSIC AND JURASSIC**
 Tldj (GRDR 46) Granodiorite
 Tldi (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**
 Tlub (UMFC 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:
 Souther, J.G., Brew, D.A. and Chulter, A.V. (compilers) (1979) Inlet River, Geological Survey of Canada, Map 1416A.
 *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 - SUNDUM and M 104G - TELEGRAPH CREEK; assessment reports refer to Assessment Report Index Map, AR 104F - SUNDUM and AR 104G - TELEGRAPH CREEK; bedrock geological mapping refer to Index of Bedrock Mapping, 1981 for mineral and placer claim maps contact the Ministry of Energy, Mines and Petroleum Resources, Mineral Titles Branch, Victoria, for current editions and status.

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STREAM SEDIMENTS
 B.C. RGS 19
 GSC OPEN FILE 1646
 104F - SUNDUM / 104G - TELEGRAPH CREEK
 NORTHWESTERN BRITISH COLUMBIA, 1987