

CONCENTRATION	FREQUENCY
64 - 950	◇ N = 76 (6.2%)
31 - 63	◆ N = 56 (4.6%)
10 - 30	♦ N = 150 (12.3%)
3 - 9	• N = 304 (25.0%)
1 - 2	+ N = 631 (51.8%)

**CONTRACTORS - 104F**

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

Sample preparation by Golder Associates, Ottawa, Ont.

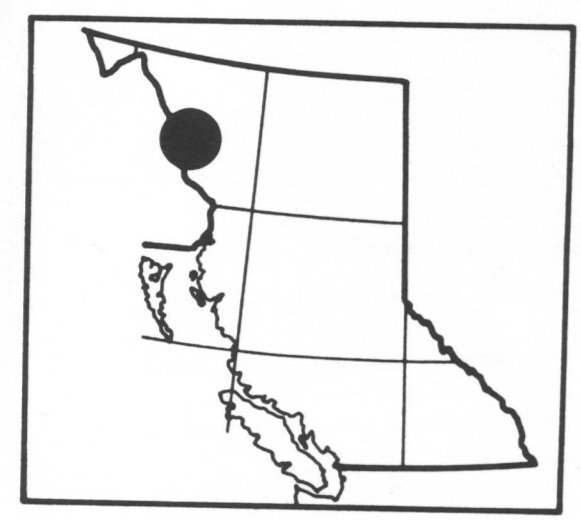
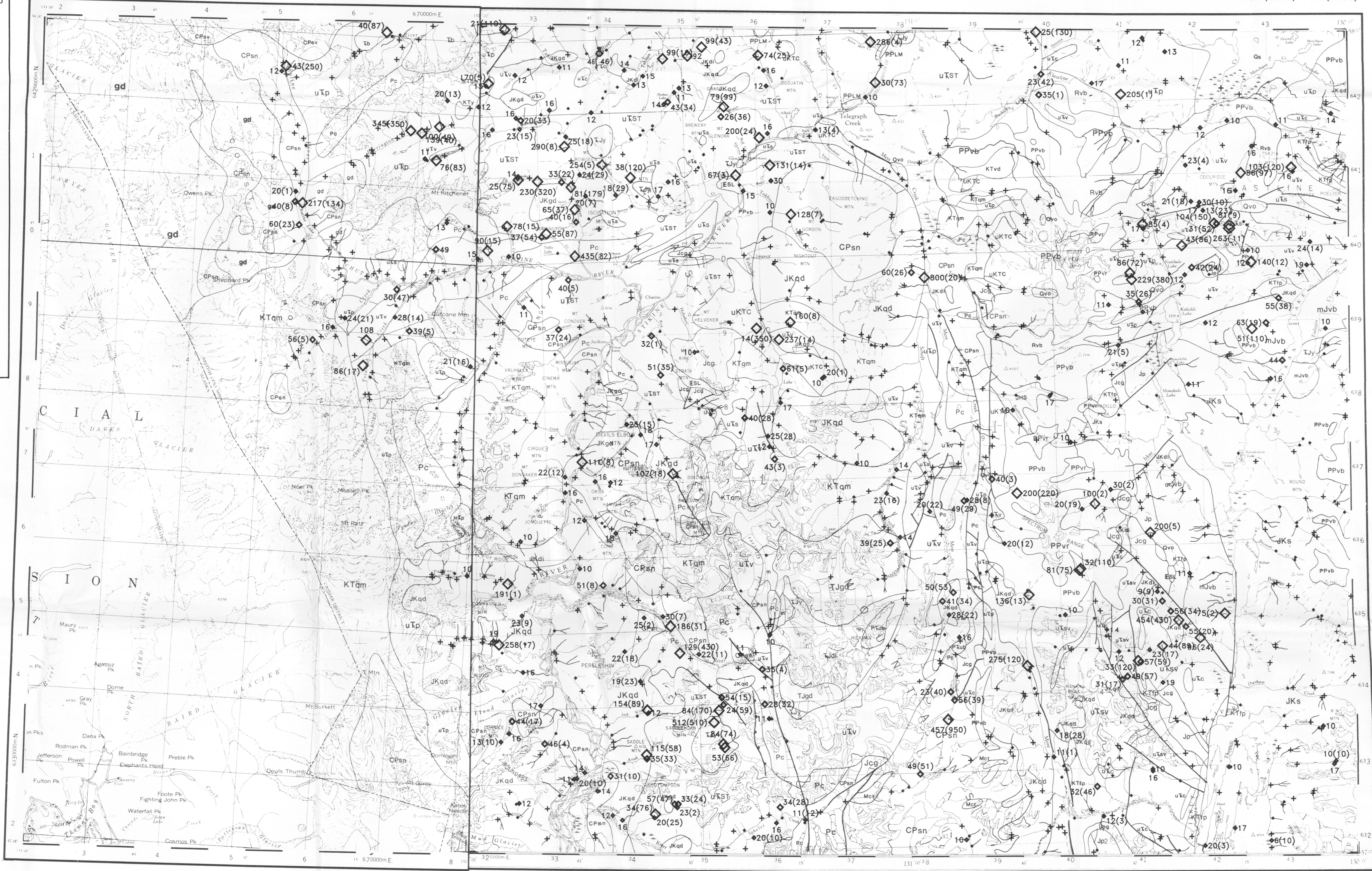
Sediment chemical analyses by Bondar Clegg and Company Limited, Ottawa, Ont.

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 18-20) released in 1988 by the British Columbia Geological Survey in co-operation with the Geological Survey of Canada. Open File RGS 19 consists of a series of sample location maps at 1:100 000 and 1:250 000 scales, symbol and value maps for 20 elements in stream sediments and 5 elements in stream waters, 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  
Library of the Geological Survey of Canada  
Map Library at the University of British Columbia, Vancouver

For purchase at:  
Map B.C.  
562 Superior Street  
Victoria, B.C.  
V8V 1X5  
(604) 387-1441

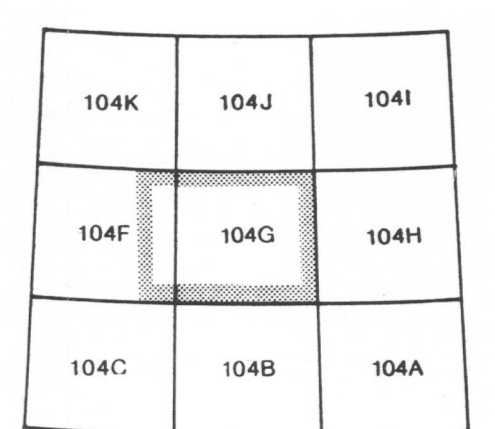
The data are also available in digital form on MS-DOS 5 1/4" diskettes. For further information please contact:  
Applied Geochemistry Subsection  
Geological Survey Branch  
Ministry of Energy, Mines and Petroleum Resources  
Parliament Buildings  
Victoria, British Columbia, V8V 1X4  
(604) 387-3234

**GOLD (ppb)**  
**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  
KILOMETRES

Gold values in ( ) correspond to repeat analyses. Please refer to Open File text for discussion of gold presentation format and geochemical interpretation.

Elevation in feet above mean sea level  
104G: Mean magnetic declination 1954, 30'18" East in centre of map area, decreasing 4.0" annually  
104F: Mean magnetic declination 1965, 28'45" 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 Petroleum Resources Canada  
Energy Mines and Petroleum Resources Canada

THIS PROJECT IS A CONTRIBUTION TO THE CANADA-BRITISH COLUMBIA MINERAL DEVELOPMENT AGREEMENT 1985-1989

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

- LEGEND**
- QUATERNARY**
- RECENT**
- Rvb** (BSLT 64) Basalts, cinder, ash
- PLEISTOCENE AND RECENT**
- Qs** (TILL 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
- PPVr** (RYLT 63) Rhyolite, trachyte, tuff
- TERTIARY**
- EOCENE**
- ESL** (RYVY 59) SLOKO GROUP: rhyolite, trachyte, andesite, basalt
- CRETACEOUS AND TERTIARY**
- KTvd** (ANDS 56) Andesite
- CRETACEOUS**
- UKTC** (GNDS 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, volcanoclastic rocks
- Jp** (SHLE 49) Shale
- JT** (COLM 49) TAKWAHONI: conglomerate, grit, greywacke
- Jcg** (CGGK 49) Conglomerate, grit, greywacke
- TRIASSIC**
- uTd** (PLLT 45) Phyllite, argillite, siltstone, greywacke, limestone
- uTs** (SLSN 45) Siltstone, chert, sandstone, tuff
- uTv** (ANDV 45) Undifferentiated andesitic volcanic and clastic sedimentary rocks
- uVr** (VLRK 45) STUHEI GROUP: undifferentiated volcanic and sedimentary rocks
- uVb** (ANBT 45) Andesite, basalt
- uVd** (ANDS 45) Andesite, pyroclastic rocks, greenstone
- PERMIAN**
- Pc** (LMSH 36) Limestone, minor calcareous shale
- CARBONIFEROUS AND PERMIAN**
- CPan** (BCST 36) Schist, gneiss
- CPsv** (GRNS 35) Greenstone, limestone, shale, clastic sedimentary rocks
- MISSISSIPPIAN**
- Mcl** (LMTF 34) Limestone, tuff, chert
- PLUTONIC ROCKS**
- CRETACEOUS AND TERTIARY**
- KTfp** (FLSP 56) Felsite, felsoporphyr
- KTqm** (QTMZ 56) Quartz monzonite
- KTy** (LSYN 56) Leucocratic syenite
- JURASSIC AND CRETACEOUS**
- JKgd** (GRDR 51) Granodiorite
- JKqd** (QRZD 51) Quartz diorite
- JKd** (DORT 51) Diorite
- TRIASSIC AND JURASSIC**
- JJgd** (GRDR 46) Granodiorite
- JJdi** (QRZD 46) Quartz diorite, diorite, amphibolite
- JJy** (SYNT 46) Syenite, monzonite
- TRIASSIC**
- Tb** (DORT 42) Diorite, gabbro
- Td** (DORT 42) Diorite, monzonite
- PERMIAN AND TRIASSIC**
- Pkub** (UMFC 40) Ultramafic rocks, serpentinite
- AGE UNKNOWN**
- gd** (GRDR 65) Granodiorite
- m** (AMPH 65) Amphibolite, gneiss, migmatite
- SYMBOLS**
- Geological boundary  
Fault  
Thrust fault  
Glacier  
Field duplicate sample sites
- GEOLOGY AND MINERAL DEPOSITS**
- Geological base and legend are derived from:  
Southey, J.G., Bone, D.A. and Cloutch, 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, 104F - SUNDUM and 104G - TELEGRAPH CREEK; assessment reports refer to Assessment Report Index Map, 104F - SUNDUM and 104G - TELEGRAPH CREEK; bedrock geological mapping refer to Index of Bedrock Mapping, 1983; mineral and placer claim maps to the Ministry of Energy, Mines and Petroleum Resources, Mineral Title Branch, Victoria, for current editions and status.

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