

CONCENTRATION	FREQUENCY
127 - 607	N = 60 (4.9%)
92 - 126	N = 63 (5.2%)
45 - 91	N = 185 (15.2%)
25 - 44	N = 286 (23.5%)
1 - 24	N = 625 (51.3%)

**CONTRACTORS - 104F**

Sample collection by McElhenny 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 Berringer Magenta, Calgary, Alta.

**CONTRACTORS - 104G**

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

Sample preparation by Golder Associates, Ottawa, Ont.

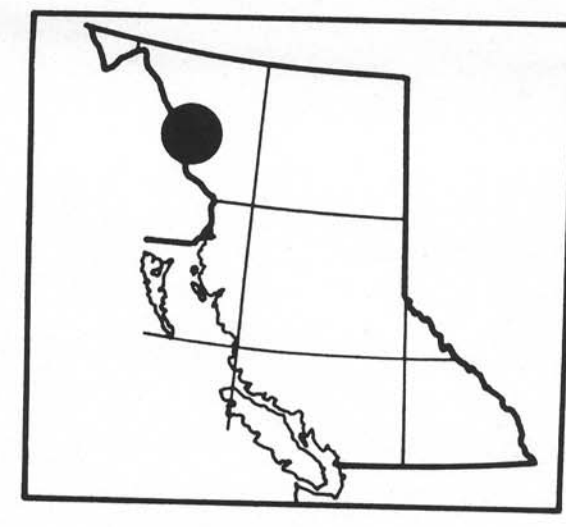
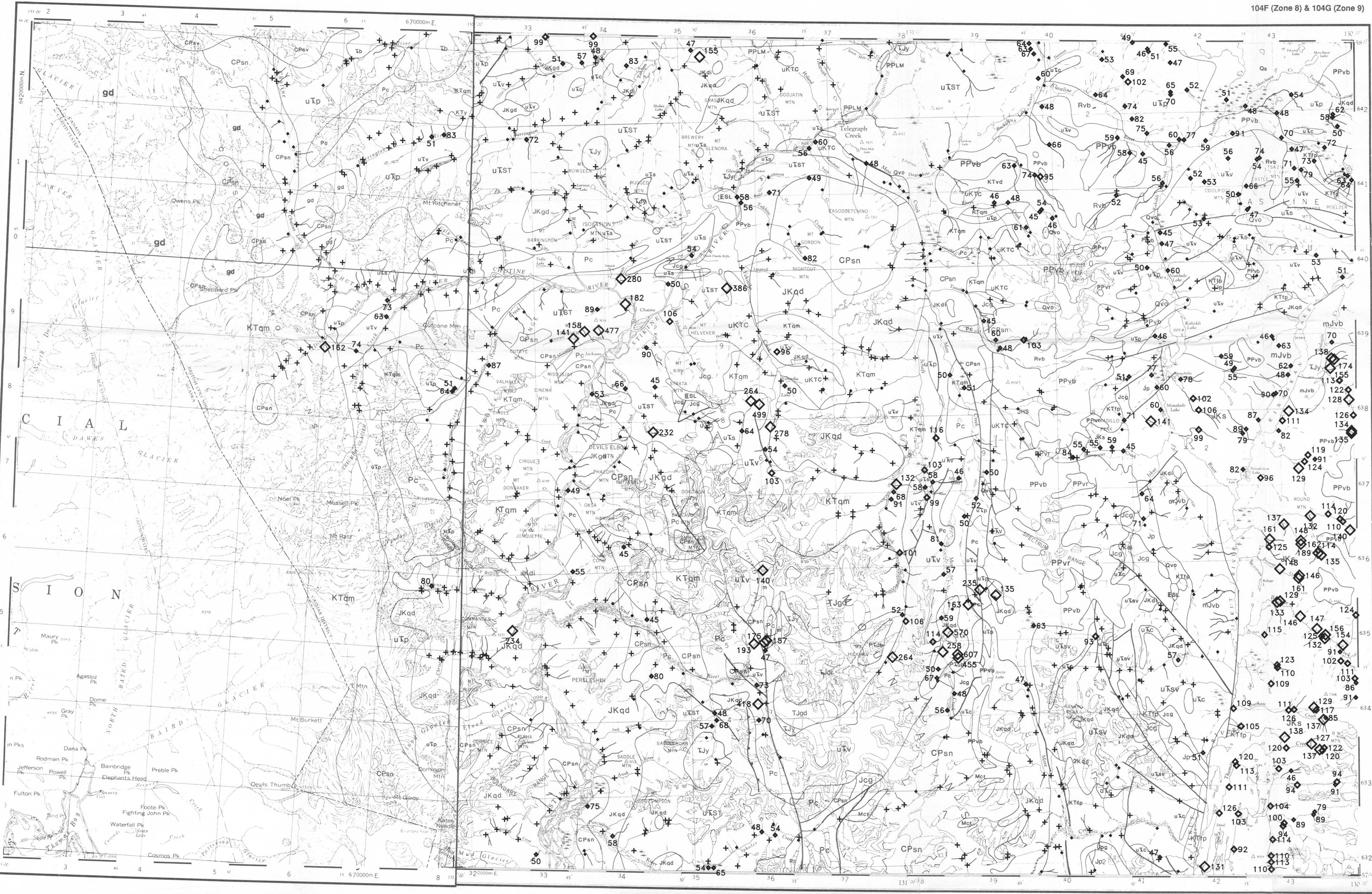
Sediment chemical analyses by Bondar Clegg and Company Limited, Ottawa, Ont.

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

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. The map is based on 1:250,000 scale maps of sample locations and stream sediment and water geochemical survey results for 20 elements in stream sediment 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  
Library of the Geological Survey of Canada  
Map Library at the University of British Columbia, Vancouver  
for purchase at:  
Maps B.C.  
555 Superior Street  
Victoria, B.C.  
V8V 1G2  
(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 Building  
Victoria, British Columbia, V8V 1X4  
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Province of British Columbia  
Ministry of Energy, Mines and Petroleum Resources

NICKEL (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 1954, 30°15' East in centre of map area, decreasing 4.0' annually  
104F: Mean magnetic declination 1966, 28°45' East in centre 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  
THIS PROJECT IS A CONTRIBUTION TO THE CANADA-BRITISH COLUMBIA MINERAL DEVELOPMENT AGREEMENT, 1985-1990

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

NICKEL (ppm)  
STREAM SEDIMENTS  
B.C. RGS 19  
GSC OPEN FILE 1646  
104F - SUMDUM / 104G - TELEGRAPH CREEK  
NORTHWESTERN BRITISH COLUMBIA, 1987

- LEGEND**
- QUATERNARY**
- RECENT**
- Rvb** (BSLT 64\*) Basalts, cinder, ash
- PLEISTOCENE AND RECENT**
- Os** (TLL 64) Surficial clastic sediments and glacial deposits
- Qvo** (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** (RYLT 59) SLOKO GROUP: rhyolite, trachyte, andesite, basalt
- CRETACEOUS AND TERTIARY**
- KTvd** (ANDS 56) Andesite
- CRETACEOUS**
- UKTC** (SNDS 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** (CGOK 49) Conglomerate, grit, greywacke
- TRIASSIC**
- UTp** (PLT 45) Phyllite, argillite, siltstone, greywacke, limestone
- uTs** (SLSN 45) Siltstone, chert, sandstone, tuff
- uTsv** (ANDV 45) Undifferentiated andesitic-volcanic and clastic sedimentary rocks
- uTST** (VLK 45) STUHN GROUP: undifferentiated volcanic and sedimentary rocks
- uTv** (ANBT 45) Andesite, basalt
- uTv** (ANDS 45) Andesite, pyroclastic rocks, greenstone
- PERMIAN**
- Pc** (LMSH 56) Limestone, minor, calcareous shale
- CARBONIFEROUS AND PERMIAN**
- CPsn** (SGST 35) Schist, gneiss
- CPsv** (GRNS 35) Greenstone, limestone, shale, clastic sedimentary rocks
- MISSISSIPPIAN**
- Mcl** (LMTF 54) Limestone, tuff, chert
- PLUTONIC ROCKS**
- CRETACEOUS AND TERTIARY**
- KTtp** (FLSP 56) Felsite, feldspar porphyry
- KTm** (QTMZ 56) Quartz monzonite
- KTv** (LSYN 56) Leucocratic syenite
- JURASSIC AND CRETACEOUS**
- JKgd** (GRDR 51) Granodiorite
- JKqd** (QRZD 51) Quartz diorite
- JKdi** (DORT 51) Diorite
- TRIASSIC AND JURASSIC**
- TJgd** (GRDR 45) Granodiorite
- TJdi** (QRZD 45) Quartz diorite, diorite, amphibolite
- TJv** (SYNT 45) Syenite, monzonite
- TRIASSIC**
- Tb** (DORT 42) Diorite, gabbro
- Idi** (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
- Glaciers
- Field duplicate sample sites
- GEOLOGY AND MINERAL DEPOSITS**
- Geological base and legend are derived from:  
Southern, J.G., Brew, D.A. and Oulitch, 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, Mt 104F - SUMDUM and Mt 104G - TELEGRAPH CREEK; assessment reports refer to Assessment Report Index Map, Mt 104F - SUMDUM and Mt 104G - TELEGRAPH CREEK; bedrock geological mapping refer to Index of Bedrock Mapping, 1983; for mineral and placer claim data consult the Ministry of Energy, Mines and Petroleum Resources, Mineral Titles Branch, Victoria, for current editions and status.

NICKEL (ppm)  
STREAM SEDIMENTS  
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104F - SUMDUM / 104G - TELEGRAPH CREEK  
NORTHWESTERN BRITISH COLUMBIA, 1987