

CONCENTRATION	FREQUENCY
24 - 352	◆ N = 59 (4.8%)
17 - 23	◆ N = 63 (5.2%)
12 - 16	◆ N = 171 (14.0%)
9 - 11	◆ N = 262 (21.5%)
1 - 8	◆ N = 664 (54.5%)

**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 Barringer Magenta, Calgary, Alta.

**CONTRACTORS - 104G**

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

Sample preparation by Golder Associates, Ottawa, Ont.

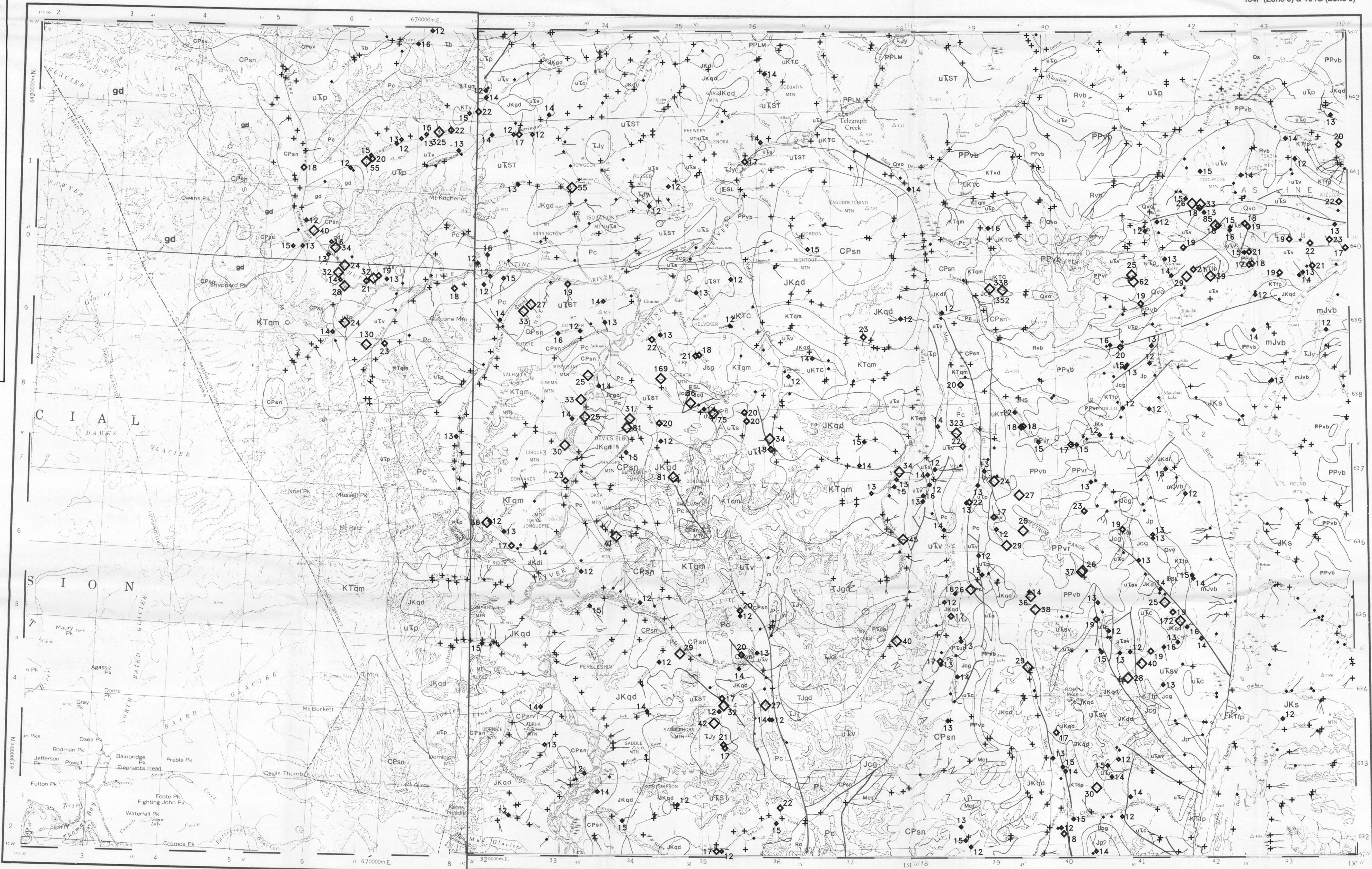
Sediment chemical analyses by Bondar Clegg and Company Limited, North Vancouver, B.C.

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)



**LEAD (ppm)**  
**STREAM SEDIMENTS**

**B.C. RGS 19**

**GSC OPEN FILE 1646**

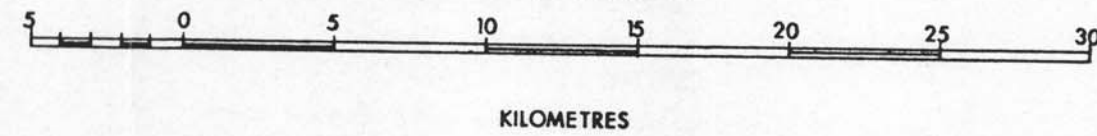
**NATIONAL GEOCHEMICAL RECONNAISSANCE MAP 111**

**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

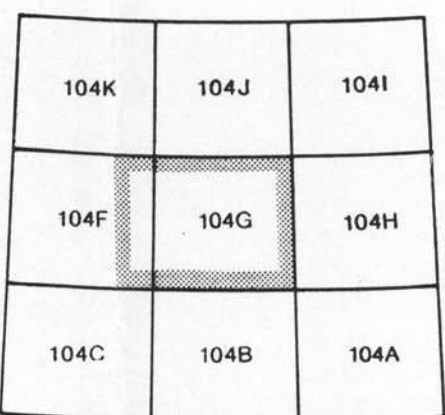
104G : Mean magnetic declination 1954, 30°15' East in centre of map area, decreasing 4.0' annually

104F : Mean magnetic declination 1966, 28°45' East in centre 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  
Resources Canada

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



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**LEAD (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** (BSLT 64)\* Basalts, cinder, ash

**Qs** (TLL 64) Surficial clastic sediments and glacial deposits

**Qvo** (OLVB 64) Olivine basalt

**TERTIARY AND QUATERNARY**

**PLIOCENE AND PLEISTOCENE**

**PPv** (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** (SND5 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** (COGK 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) STUHM GROUP: undifferentiated volcanic and sedimentary rocks

**uTv** (AMBT 45) Andesite, basalt

**uTvd** (ANDS 45) Andesite, pyroclastic rocks, greenstone

**PERMIAN**

**Pc** (LSM 36) 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**

**KTtp** (FLSP 56) Felsite, felsar porphyry

**KTqm** (GTMZ 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**

**Td** (DORT 42) Diorite, gabbro

**Tdi** (DORT 42) Diorite, monzonite

**PERMIAN AND TRIASSIC**

**PJvb** (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.O., Brew, D.A. and Oehlrich, 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 claims made contact the Ministry of Energy, Mines and Petroleum Resources, Mineral Titles Branch, Victoria, for current editions and status.

**LEAD (ppm)**

**STREAM SEDIMENTS**

**B.C. RGS 19**

**GSC OPEN FILE 1646**

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