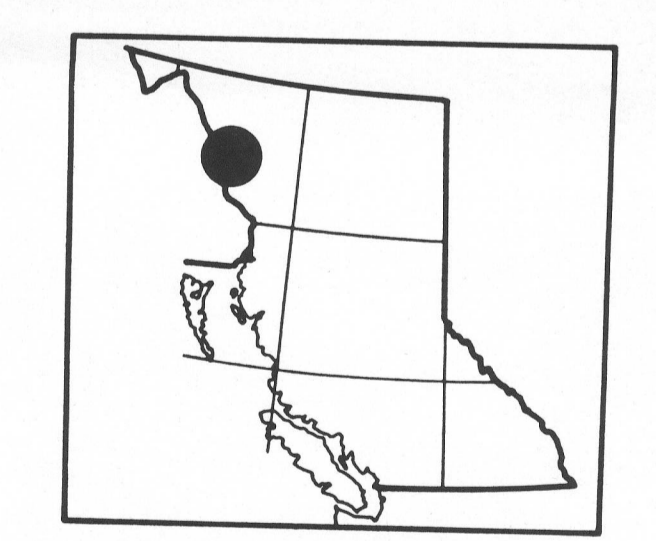
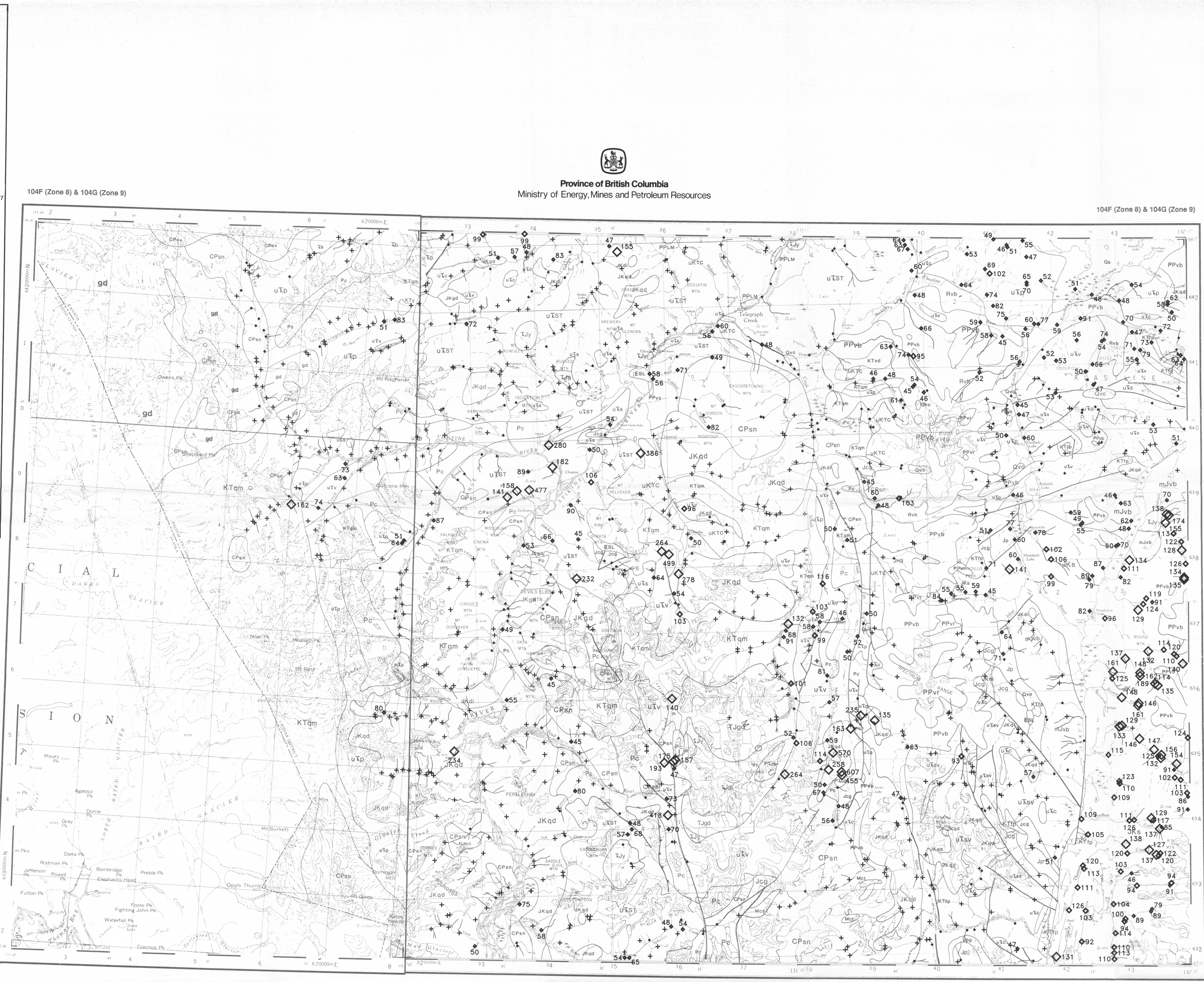


CONCENTRATION	FREQUENCY
127 - 607	◆ N = 60 (4.9%)
92 - 126	◇ N = 63 (5.2%)
45 - 91	◆ N = 185 (15.2%)
25 - 44	+ N = 286 (23.5%)
1 - 24	+ N = 625 (51.3%)

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 Baringer 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.

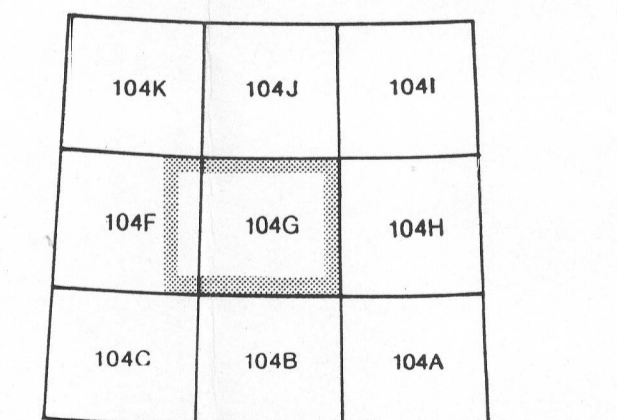
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 British Columbia
 Ministry of Energy, Mines and Petroleum Resources
 Geological Survey Branch
 Applied Geochemistry



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. The 1:250 000 scale maps consist of sample location maps at 1:100 000 and sediment and stream water geochemical data maps at 1:250 000. The maps are available in hard copy form and on microfiche. 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

**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, 300°15' East in centre of map area, decreasing 4.0" annually
 104F: Mean magnetic declination 1966, 299°45' East in centre west edge of map area, increasing 3.3" annually
 Universal Transverse Mercator Projection
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**NICKEL (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
- PLEISTOCENE AND RECENT**
- Qs (TLL 64) Surficial clastic sediments and glacial deposits
 - Ovo (OLV 64) Olivine basalt
- TERTIARY AND QUATERNARY**
- PLIOCENE AND PLEISTOCENE**
- PPM (BSLT 63) LEVEL MOUNTAIN GROUP: basalt
 - PPb (BTRT 63) Basalt, rhyolite, olivine, basalt
 - PPv (RYLT 63) Rhyolite, trachyte, tuff
- TERTIARY**
- EOCENE**
- ESL (RYLT 59) SLOVO 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, gneyswacke, conglomerate, shale (upper HAZELTON GROUP in part)
- JURASSIC**
- JMS (SLSN 50) HAZELTON GROUP: siltstone, gneyswacke, sandstone, tuff
 - mJvb (BSLT 49) Basalt, pillow lava, tuff, volcaniclastic rocks
 - Jp (SHLE 49) Shale
 - JT (CGLM 49) TAKWAHONI: conglomerate, grit, gneyswacke
 - Jcg (CGGK 49) Conglomerate, grit, gneyswacke
- TRIASSIC**
- UTr (PLT 45) Phyllite, argillite, siltstone, gneyswacke, limestone
 - USt (SLSN 45) Siltstone, chert, sandstone, tuff
 - UStv (ANDV 45) Undifferentiated andesitic volcanic and clastic sedimentary rocks
 - UST (VLK 45) STUHNI GROUP: undifferentiated volcanic and sedimentary rocks
 - Utv (ANB 45) Andesite, basalt
 - Ulv (ANDS 45) Andesite, pyroclastic rocks, greenstone
- PERMIAN**
- Pc (LMSH 36) Limestone, minor calcareous shale
- CARBONIFEROUS AND PERMIAN**
- CPsn (GCS 35) Schist, gneiss
 - CPsv (GRNS 35) Greenstone, limestone, shale, clastic sedimentary rocks
- MISSISSIPPIAN**
- Mct (LMTF 34) Limestone, tuff, chert
- PLUTONIC ROCKS**
- CRETACEOUS AND TERTIARY**
- KTfp (FLSP 56) Felsite, feldspar porphyry
 - KTqm (QTMZ 56) Quartz monzonite
 - KTy (LSYN 56) Leucocratic syenite
- JURASSIC AND CRETACEOUS**
- JKgd (GRDR 51) Granodiorite
 - JKqd (QRZD 51) Quartz diorite
 - JKdl (DORT 51) Diorite
- TRIASSIC AND JURASSIC**
- KJgd (GRDR 46) Granodiorite
 - KJdi (QRZD 46) Quartz diorite, diorite, amphibolite
 - KJy (SYNT 46) Syenite, monzonite
- TRIASSIC**
- td (DORT 42) Diorite, gabbro
 - tdi (DORT 42) Diorite, monzonite
- PERMIAN AND TRIASSIC**
- Psub (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., Brown, D.A. and Okulitch, A. (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, M1 104F - SUMDUM and M1 104G - TELEGRAPH CREEK, assessment reports refer to Assessment Report codes: Map, AS 104F - SUMDUM and AS 104G - TELEGRAPH CREEK; bedrock geological mapping refer to Index of Bedrock Mapping, 1983; for mineral and placer claim maps contact the Ministry of Energy, Mines and Petroleum Resources, Mineral Titles Branch, Victoria, for current editions and status.

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