

CONCENTRATION	FREQUENCY
2.4 - 14.5	◇ N = 61 (5.0%)
1.8 - 2.3	◆ N = 53 (4.3%)
0.9 - 1.7	♦ N = 164 (13.5%)
0.5 - 0.8	• N = 284 (23.3%)
0.1 - 0.4	+ N = 657 (53.9%)

CONTRACTORS - 104F

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

Sample preparation by Kamloops Research and Assay Lab, Kamloops, B.C.

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

Water chemical analyses by Berringer Magenta, Calgary, Alta.

CONTRACTORS - 104G

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

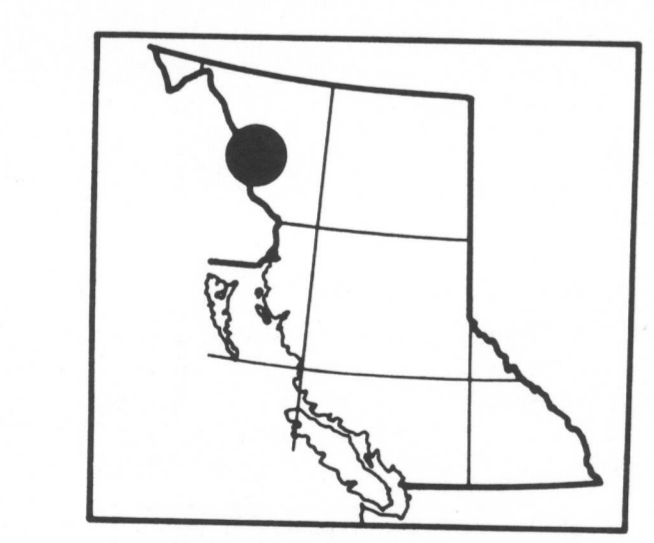
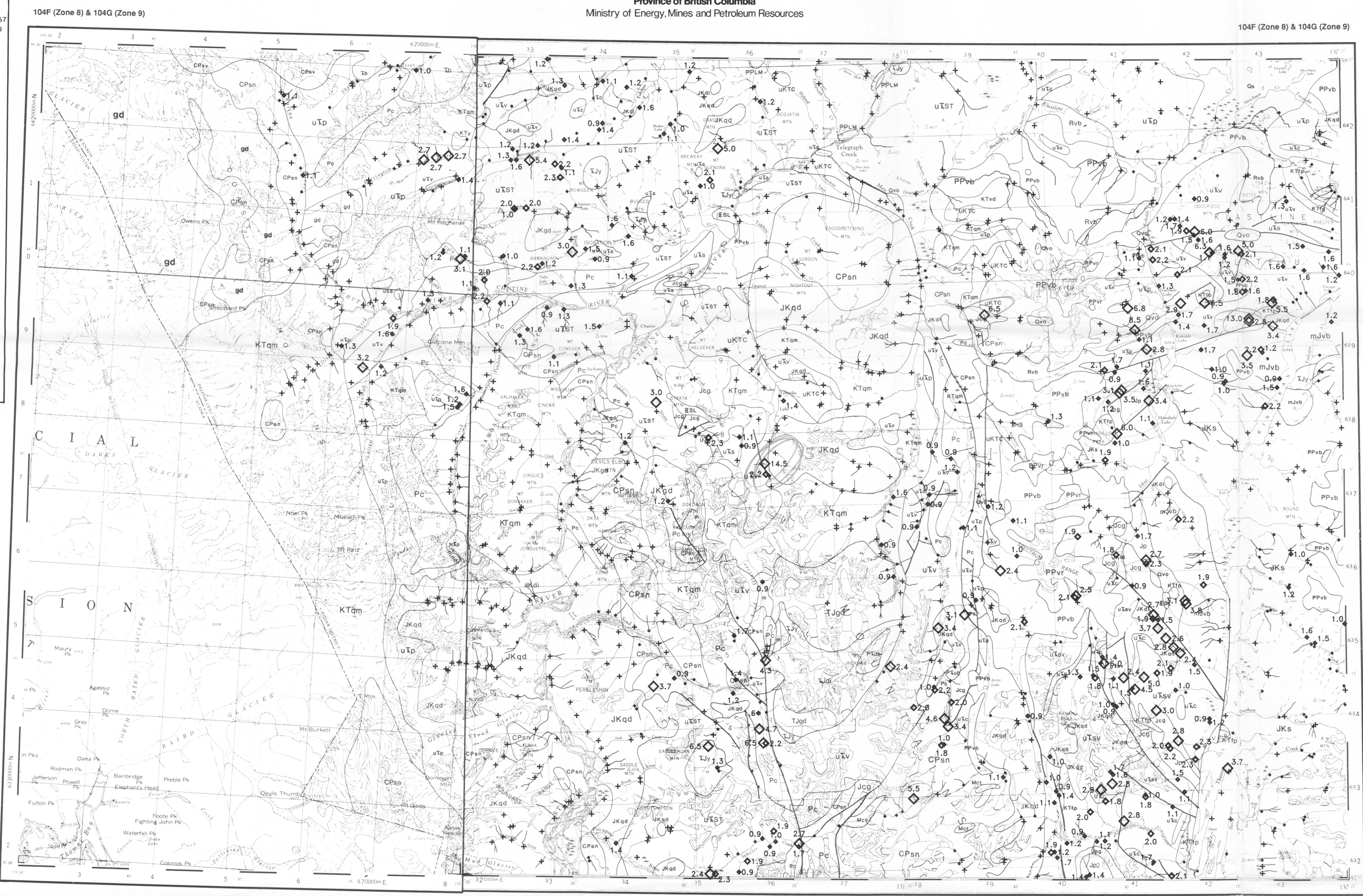
Sample preparation by Golder Associates, Ottawa, Ont.

Sediment chemical analyses by Bondar Clagg 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



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. Open File RGS 18 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 2 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
Library of the Geological Survey of Canada
Map Library at the University of British Columbia, Vancouver

For purchase at:

Maps B.C.
655 Superior Street
Victoria, B.C.
V8V 1X2
(604) 387-1441

The data are also available in digital form on MS-DOS 5 1/4" diskettes.

For further information please contact:

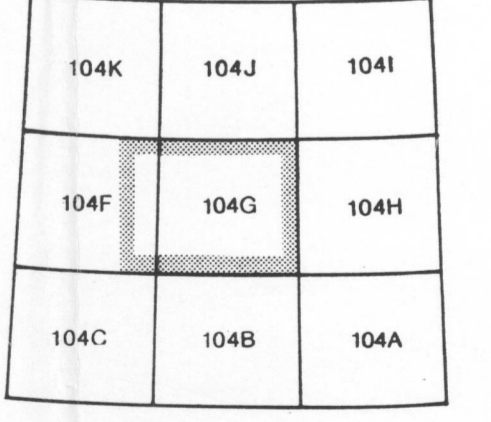
Applied Geochemistry Subsection
Geological Survey Branch
Ministry of Energy, Mines and Petroleum Resources
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Victoria, British Columbia, V8V 1X4
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Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

ANTIMONY (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, 30915' East in centre of map area, decreasing 4.0' annually
104F: Mean magnetic declination 1966, 28945' East in centre west edge of map area, increasing 3.8' annually

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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ANTIMONY (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 (TILL 64) Surficial clastic sediments and glacial deposits
- Ovo (OLVB 64) Olivine basalt
- TERTIARY AND QUATERNARY**
- PLIOCENE AND PLEISTOCENE**
- PpLm (BSLT 63) LEVEL MOUNTAIN GROUP: basalt
- PpVb (BTRT 63) Basalt, rhyolite, olivine, basalt
- PpVt (RYLT 63) Rhyolite, trachyte, tuff
- TERTIARY**
- EOCENE**
- ESL (RYV 59) SLOKO GROUP: rhyolite, trachyte, andesite, basalt
- CRETACEOUS AND TERTIARY**
- KTvd (ANDS 56) Andesite
- CRETACEOUS**
- UKTC (GNS 55) TANGO CREEK: sandstone, siltstone, coal
- JURASSIC AND CRETACEOUS**
- JKs (SLSN 51) Siltstone, pyroclastic conglomerate, shale (upper HAZELTON GROUP in part)
- JURASSIC**
- JHs (SLSN 50) HAZELTON GROUP: siltstone, greywacke, sandstone, tuff
- mJvb (BSLT 49) Basalt, pillow lava, tuff, volcaniclastic rocks
- Jp (GHLH 49) Shale
- JT (GGLM 49) TAKWAHONI: conglomerate, grit, greywacke
- Jcg (CGGK 49) Conglomerate, grit, greywacke
- TRIASSIC**
- UPLT (PLT 45) Phyllite, argillite, siltstone, greywacke, limestone
- Uks (SLSN 45) Siltstone, chert, sandstone, tuff
- Uksv (ANDV 45) Undifferentiated andesitic volcanic and clastic sedimentary rocks
- Uvst (NLRK 45) STUNNI GROUP: undifferentiated volcanic and sedimentary rocks
- Uv (ANBT 45) Andesite, basalt
- Uvd (ANDS 45) Andesite, pyroclastic rocks, greenstone
- PERMIAN**
- Pc (LMSH 36) Limestone, minor calcareous shale
- CARBONIFEROUS AND PERMIAN**
- CPsn (BCST 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, felspar porphyry
- KTqm (GTMZ 56) Quartz monzonite
- KTy (LSYN 56) Leucocratic syenite
- JURASSIC AND CRETACEOUS**
- JKgd (GRDR 51) Granodiorite
- JKd (GRZD 51) Quartz diorite
- JKdt (DOHT 51) Diorite
- TRIASSIC AND JURASSIC**
- Tjgd (GRDR 46) Granodiorite
- Tjdi (GRZD 46) Quartz diorite, diorite, amphibolite
- Tjy (BYNT 46) Syenite, monzonite
- TRIASSIC**
- td (DOHT 42) Diorite, gabbro
- tdi (DOHT 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 Chulish, A.V. (compilers) (1979) Iskut River, Geological Survey of Canada, Map 1415B.
- *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; geologic maps 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.

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