

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 Clegg and Company Limited, North Vancouver, B.C.

Water chemical analyses by Berringer Magneta, Calgary, Alta.

CONTRACTORS - 104G

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

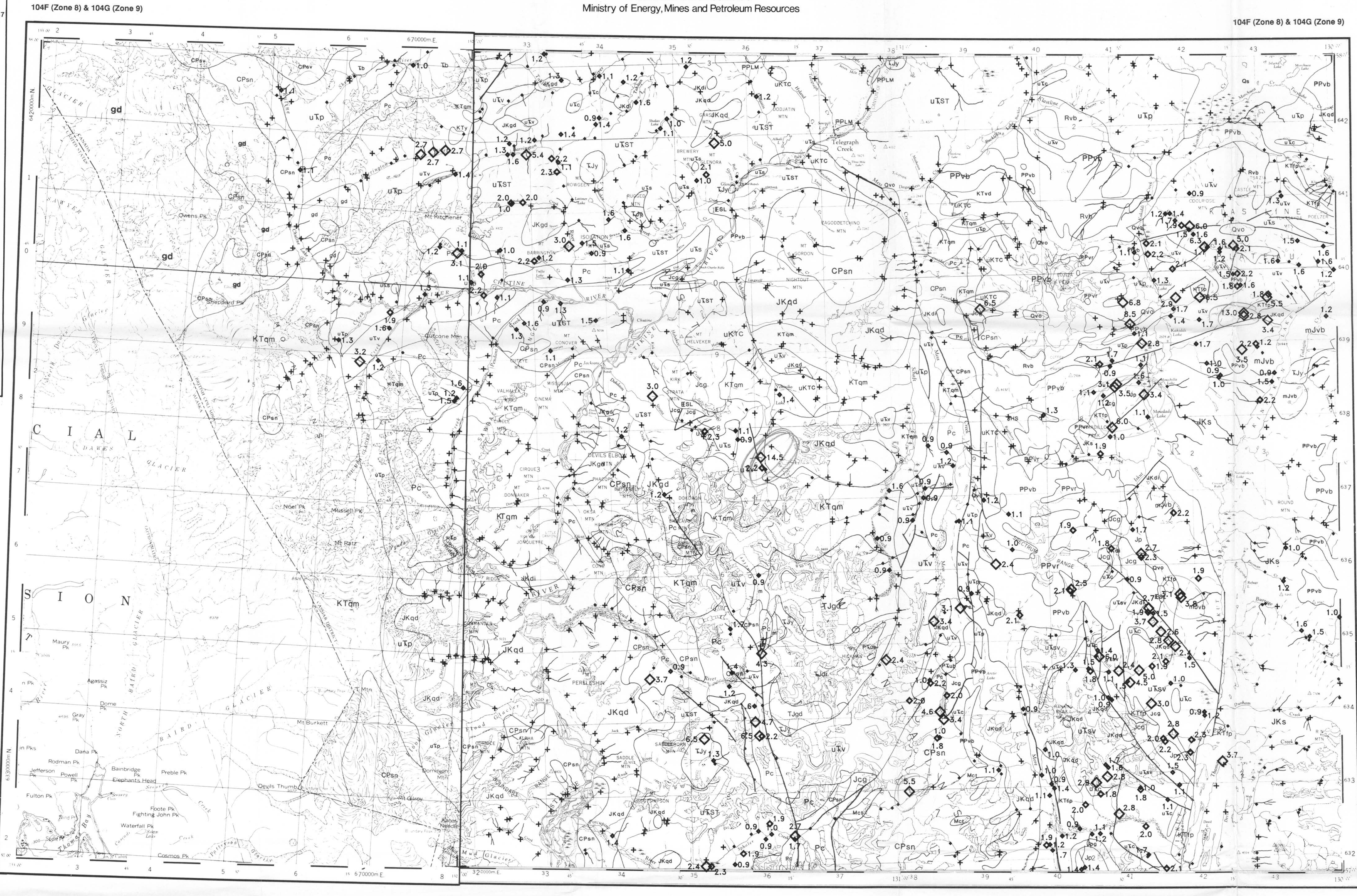
Sample preparation by Golder Associates, Ottawa, Ont.

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

Water chemical analyses by Chemex Labs, North Vancouver, B.C.

OPEN FILE PRODUCTION

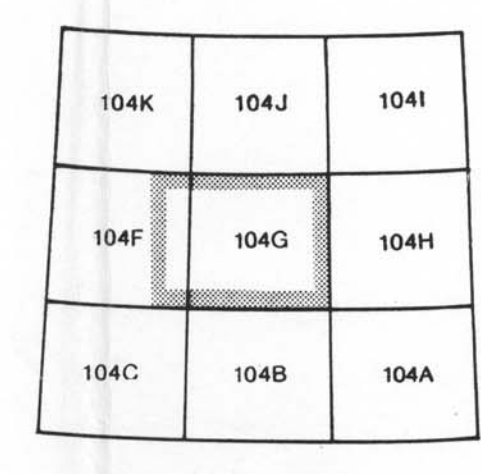
British Columbia
Ministry of Energy, Mines and Petroleum Resources
Geological Survey Branch
Applied Geochemistry



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 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 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:
Maps B.C.
255 Superior Street
Victoria, B.C.
V8V 1G5
(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) 387-3254

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, 30°15' East in centre of map area, decreasing 4.0' annually
104F: Mean magnetic declination 1966, 29°45' East in centre west edge of map area, increasing 3.8' annually
Universal Transverse Mercator Projection
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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
Qs (TILL 64) Surficial clastic sediments and glacial deposits
Qvo (OLVB 64) Olivine basalt
PLEISTOCENE AND RECENT
Qs (TILL 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
PPrv (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, volcaniclastic rocks
Jp (SHLE 49) Shale
JT (CGLM 49) TAKWAHON: conglomerate, grit, greywacke
Jcg (CGGK 49) Conglomerate, grit, greywacke
TRIASSIC
uTl (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 (VLRK 45) STUHNIG GROUP: undifferentiated volcanic and sedimentary rocks
uTv (ANST 45) Andesite, basalt
uTvD (ANDS 45) Andesite, pyroclastic rocks, greenstone
PERMIAN
Pc (LMH 36) Limestone, minor calcareous shale
CARBONIFEROUS AND PERMIAN
CPan (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
KTlp (FLSP 56) Felsite, felsitic porphyry
KTqm (QTMZ 56) Quartz monzonite
KTv (LSYN 56) Leucocratic syenite
JURASSIC AND CRETACEOUS
JKgd (GRDR 51) Granodiorite
JKqd (GRZD 51) Quartz diorite
JKdl (DORT 51) Diorite
TRIASSIC AND JURASSIC
TJgd (GRDR 46) Granodiorite
TJdl (GRZD 46) Quartz diorite, diorite, amphibolite
TJv (SYNT 46) Syenite, monzonite
TRIASSIC
Tb (DORT 42) Diorite, gabbro
Tdl (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 Ouellet, 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 claim maps contact the Ministry of Energy, Mines and Petroleum Resources, Mineral Titles Branch, Victoria, for current editions and status.

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