

CONCENTRATION	FREQUENCY
12.3 - 29.2	◆ N = 62 (5.1%)
8.9 - 12.2	◆ N = 59 (4.8%)
5.7 - 8.8	◆ N = 185 (15.2%)
3.5 - 5.6	◆ N = 301 (24.7%)
0.1 - 3.4	◆ N = 611 (50.2%)

CONTRACTORS - 104F

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

Sample preparation by Golder Associates, Ottawa, Ont.

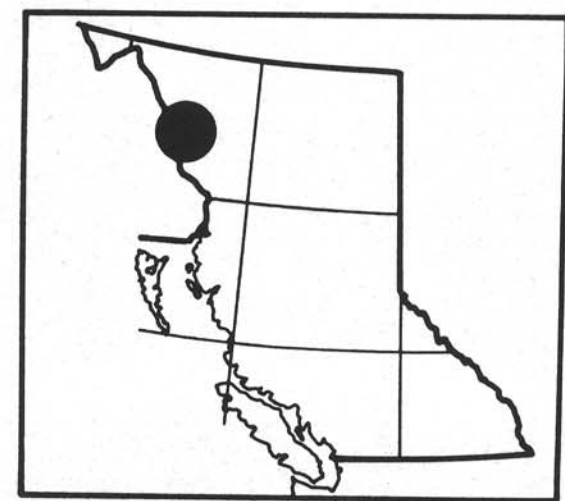
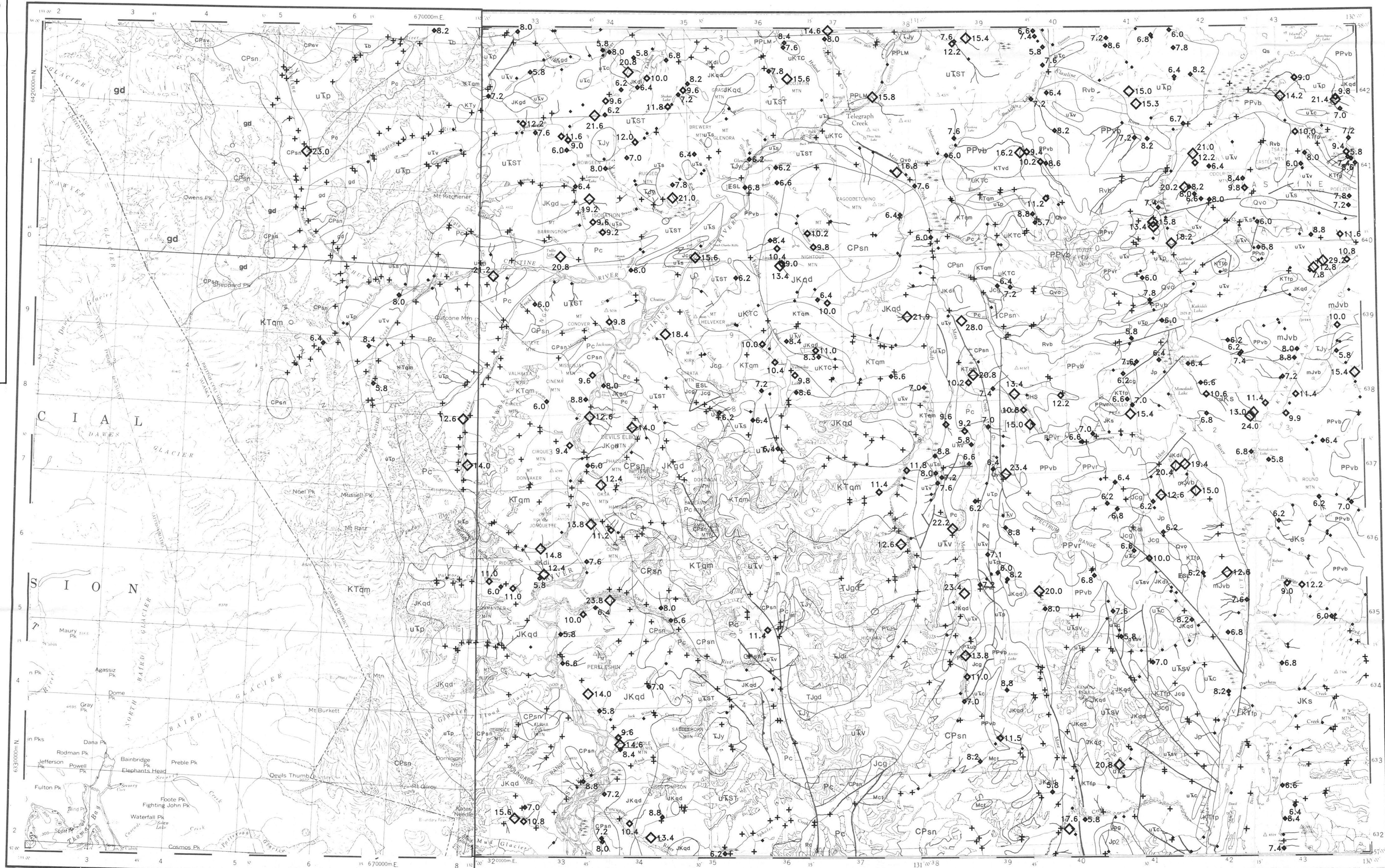
Sediment chemical analyses by Bondar Clegg and Company Limited, Ottawa, Ont.

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. Open File RGS 19 consists of sample location maps at 1:100 000 and 1:250 000 scales, symbols and water 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.
555 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
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Parliament Buildings
Victoria, British Columbia, V8V 1X4
(604) 387-3234

LOSS ON IGNITION (%)
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

0 5 10 15 20 25 30
KILOMETRES

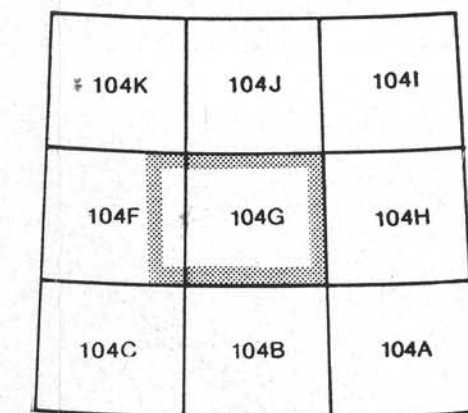
Elevation in feet above mean sea level

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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Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources
THIS PROJECT IS A CONTRIBUTION TO THE CANADA-BRITISH COLUMBIA MINERAL DEVELOPMENT AGREEMENT, 1985-1990



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LOSS ON IGNITION (%)
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*) Basalt, 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 (RYLT 59) SLOW 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 (COLM 49) TAKWAHONI: conglomerate, grit, greywacke
Jcg (CGKG 49) Conglomerate, grit, greywacke
TRIASSIC
Utp (PLLT 45) Phyllite, argillite, siltstone, greywacke, limestone
Uts (SLSN 45) Siltstone, chert, sandstone, tuff
Usv (VAND 45) Undifferentiated andesitic volcanic and clastic sedimentary rocks
Ust (VLK 45) STUJINI GROUP: undifferentiated volcanic and sedimentary rocks
Utv (ANBT 45) Andesite, basalt
Uvd (ANDS 45) Andesite, pyroclastic rocks, greenstone
PERMIAN
Pc (LMSH 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, feldspar porphyry
KTqm (OTMZ 56) Quartz monzonite
KTv (LSYN 56) Leucocratic syenite
JURASSIC AND CRETACEOUS
JKgd (GRDR 51) Granodiorite
JKqd (GRZD 51) Quartz diorite
JKdi (DORT 51) Diorite
TRIASSIC AND JURASSIC
UJgd (GRDR 46) Granodiorite
UJdi (GRZD 46) Quartz diorite, diorite, amphibolite
UJv (SYNT 46) Syenite, monzonite
TRIASSIC
Id (DORT 42) Diorite, gabbro
Idi (DORT 42) Diorite, monzonite
PERMIAN AND TRIASSIC
PUb (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.C., 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.
LOSS ON IGNITION (%)
STREAM SEDIMENTS
B.C. RGS 19 GSC OPEN FILE 1646
104F - SUMDUM / 104G - TELEGRAPH CREEK NORTHWESTERN BRITISH COLUMBIA, 1987