

CONCENTRATION		FREQUENCY
4.88 - 7.19	◇	N = 63 (5.2%)
4.49 - 4.87	◆	N = 58 (4.8%)
3.93 - 4.48	♦	N = 183 (15.0%)
3.26 - 3.92	•	N = 304 (24.9%)
0.50 - 3.25	+	N = 611 (50.1%)

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 Baringer Magenta, Calgary, Alta.

CONTRACTORS - 104G

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

Sample preparation by Golder Associates, Ottawa, Ont.

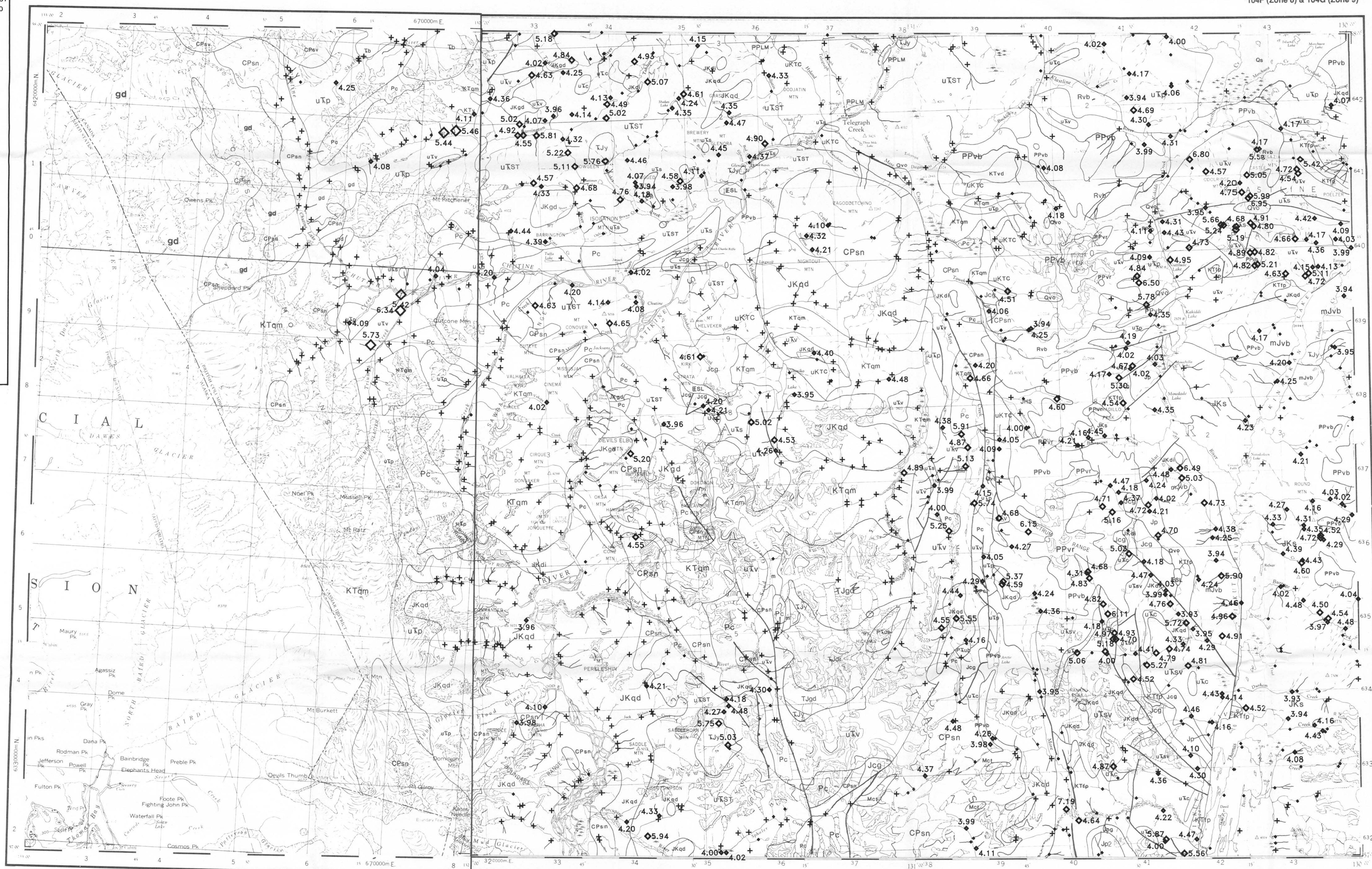
Sediment chemical analyses by Bondar Clegg and Company Limited, Ottawa, Ont.

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 scale, 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

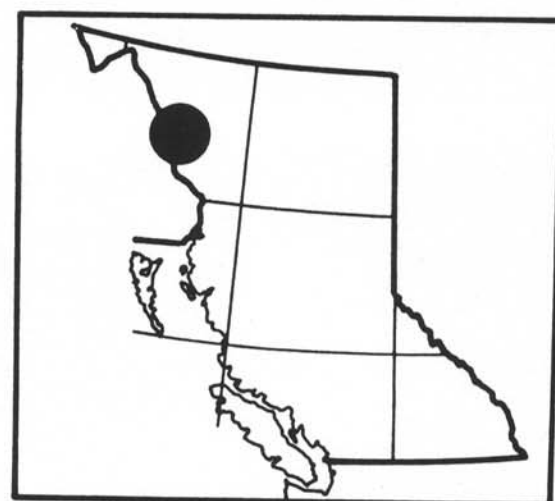
for purchase at:

Map B.C.
325 Superior Street
Victoria, B.C.
V8V 1Z5
(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) 387-3234



Elevation in feet above mean sea level

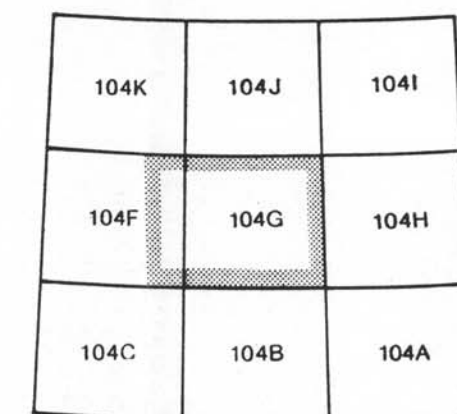
104G: Mean magnetic declination 1954, 30015° East in centre of map area, decreasing 4.0° annually

104F: Mean magnetic declination 1966, 28045° 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
Energy, Mines and Petroleum Resources Canada

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IRON (%)

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 (TILL 64*) Surficial clastic sediments and glacial deposits

Qvb (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 58) SLOKO GROUP: rhyolite, trachyte, andesite, basalt

CRETACEOUS AND TERTIARY

KTvd (ANDS 56) Andesite

CRETACEOUS

UKTC (SND 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 (SHE 49) Shale

JT (COLM 49) TAKOWAHON: conglomerate, grit, greywacke

Jcg (CGGK 49) Conglomerate, grit, greywacke

TRIASSIC

UTd (PLIT 45) Phyllite, argillite, siltstone, greywacke, limestone

US (SLSN 45) Siltstone, chert, sandstone, tuff

USv (ANDV 45) Undifferentiated andesitic volcanic and clastic sedimentary rocks

UST (VLAK 45) STUHN GROUP: undifferentiated volcanic and sedimentary rocks

UTv (ANBT 45) Andesite, basalt

UTvd (ANDS 45) Andesite, pyroclastic rocks, greenstone

PERMIAN

Pc (LSM 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

KTdp (FLSP 56) Felsite, felspar porphyry

KTam (GTAM 56) Quartz monzonite

KTy (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

TJy (SYNT 46) Syenite, monzonite

TRIASSIC

Ts (DORT 42) Diorite, gabbro

Tdl (DORT 42) Diorite, monzonite

PERMIAN AND TRIASSIC

Ptub (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 Okulitch, A.V. (compilers) (1979) Iskut River: Geological Survey of Canada, Map 1418A.

*A mesomorphic 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.

IRON (%)

STREAM SEDIMENTS

B.C. RGS 19
GSC OPEN FILE 1646

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