

CONCENTRATION	FREQUENCY
1 - 3	N = 776 (63.7%)
4 - 4	N = 172 (14.1%)
5 - 7	N = 184 (15.1%)
8 - 9	N = 36 (3.0%)
10 - 41	N = 51 (4.2%)

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 Barringer Magenta, Calgary, Alta.

CONTRACTORS - 104G

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

Sample preparation by Golder Associates, Ottawa, Ont.

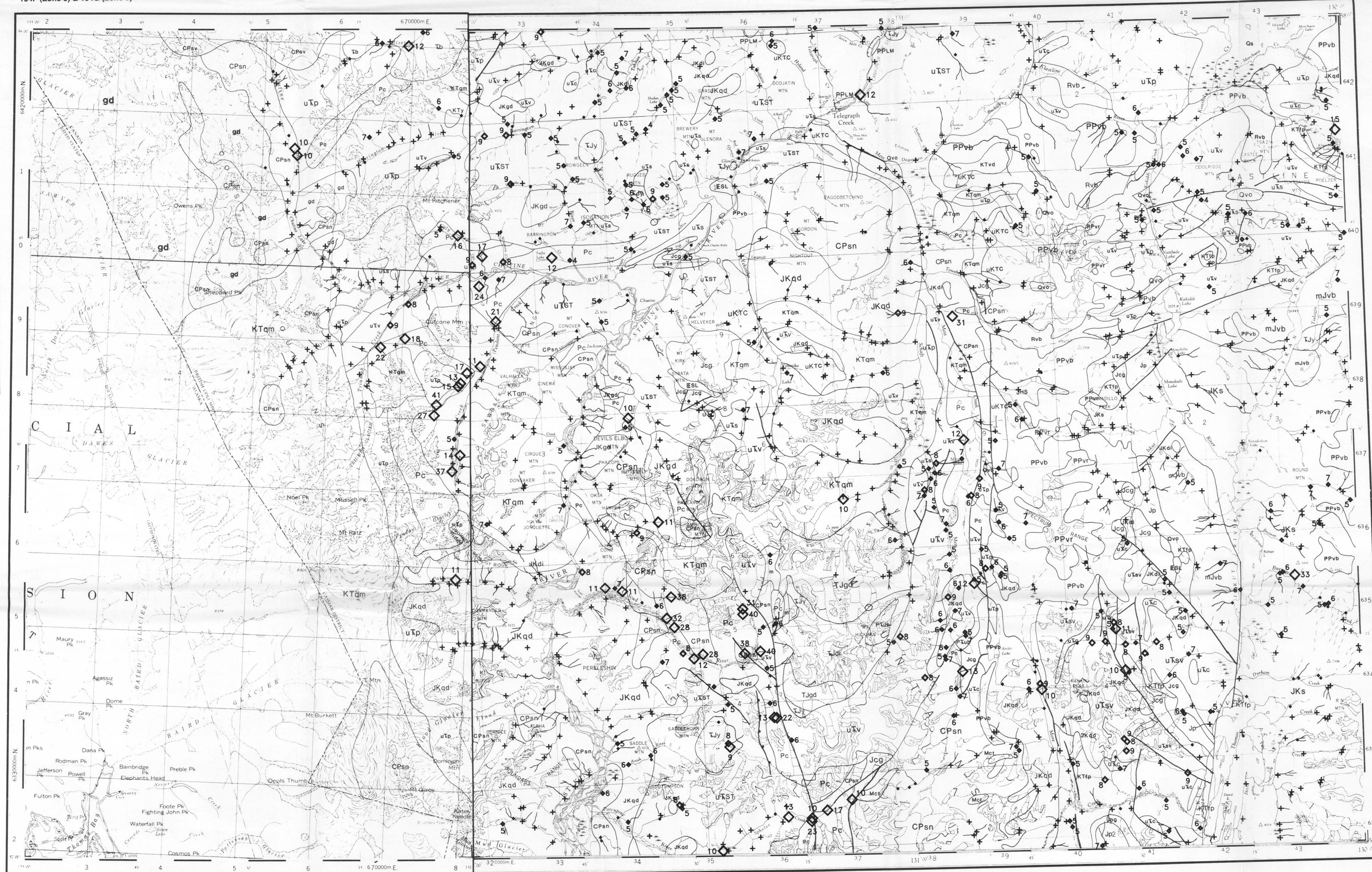
Sediment chemical analyses by Bondar Clegg and Company Limited, Ottawa, Ont.

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

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 lists 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
Libraries 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 1X5
(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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Victoria, British Columbia, V8V 1X4
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TIN (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 1984, 30°15' East in centre of map area, decreasing 4.0' annually

104F: Mean magnetic declination 1986, 28°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

Energy, Mines and Resources Canada

THIS PROJECT IS A CONTRIBUTION TO THE CANADA-BRITISH COLUMBIA MINERAL DEVELOPMENT AGREEMENT, 1985-1990

104K	104J	104I
104F	104G	104H
104C	104B	104A

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TIN (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

Os (TILL 64) Surficial clastic sediments and glacial deposits

Qv (OLVB 64) Olivine basalt

TERTIARY AND QUATERNARY

PLIOCENE AND PLEISTOCENE

PpLm (BSLT 63) LEVEL MOUNTAIN GROUP: basalt

PpVb (BTRT 63) Basalt, rhyolite, olivine, basalt

PpVr (RVL 63) Rhyolite, trachyte, tuff

TERTIARY

Eocene

ESL (RVL 59) SUKLO 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, volcanoclastic rocks

Jp (SHLE 49) Shale

JT (CGLM 49) TAWAHONI: conglomerate, grit, greywacke

Jcg (CGGM 49) Conglomerate, grit, greywacke

TRIASSIC

uTp (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) STUHNH GROUP: undifferentiated volcanic and sedimentary rocks

uTv (ANST 45) Andesite, basalt

uTd (ANDS 45) Andesite, pyroclastic rocks, greenstone

PERMIAN

Pc (LSM 36) Limestone, minor calcareous shale

CARBONIFEROUS AND PERMIAN

CPsn (SCST 35) Schist, gneiss

CPsv (GRNS 35) Greenstone, limestone, shale, clastic sedimentary rocks

MISSISSIPPIAN

Mcl (LMTF 34) Limestone, tuff, chert

PLUTONIC ROCKS

CRETACEOUS AND TERTIARY

KTfp (FLSP 56) Felsite, felspar porphyry

KTqm (OTMZ 56) Quartz monzonite

KTy (LSYN 56) Leucocratic syenite

JURASSIC AND CRETACEOUS

JKgd (GRDR 51) Granodiorite

JKad (GRZO 51) Quartz diorite

JKdi (DORT 51) Diorite

TRIASSIC AND JURASSIC

TJgd (GRDR 46) Granodiorite

TJdi (GRZO 46) Quartz diorite, diorite, amphibolite

TJy (SYNT 46) Syenite, monzonite

TRIASSIC

Tb (DORT 42) Diorite, gabbro

Td (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.C., Brew, D.A. and Ouellet, A.V. (compilers) 1979: River 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.

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STREAM SEDIMENTS
B.C. RGS 19
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104F - SUMDUM / 104G - TELEGRAPH CREEK
NORTHWESTERN BRITISH COLUMBIA, 1987