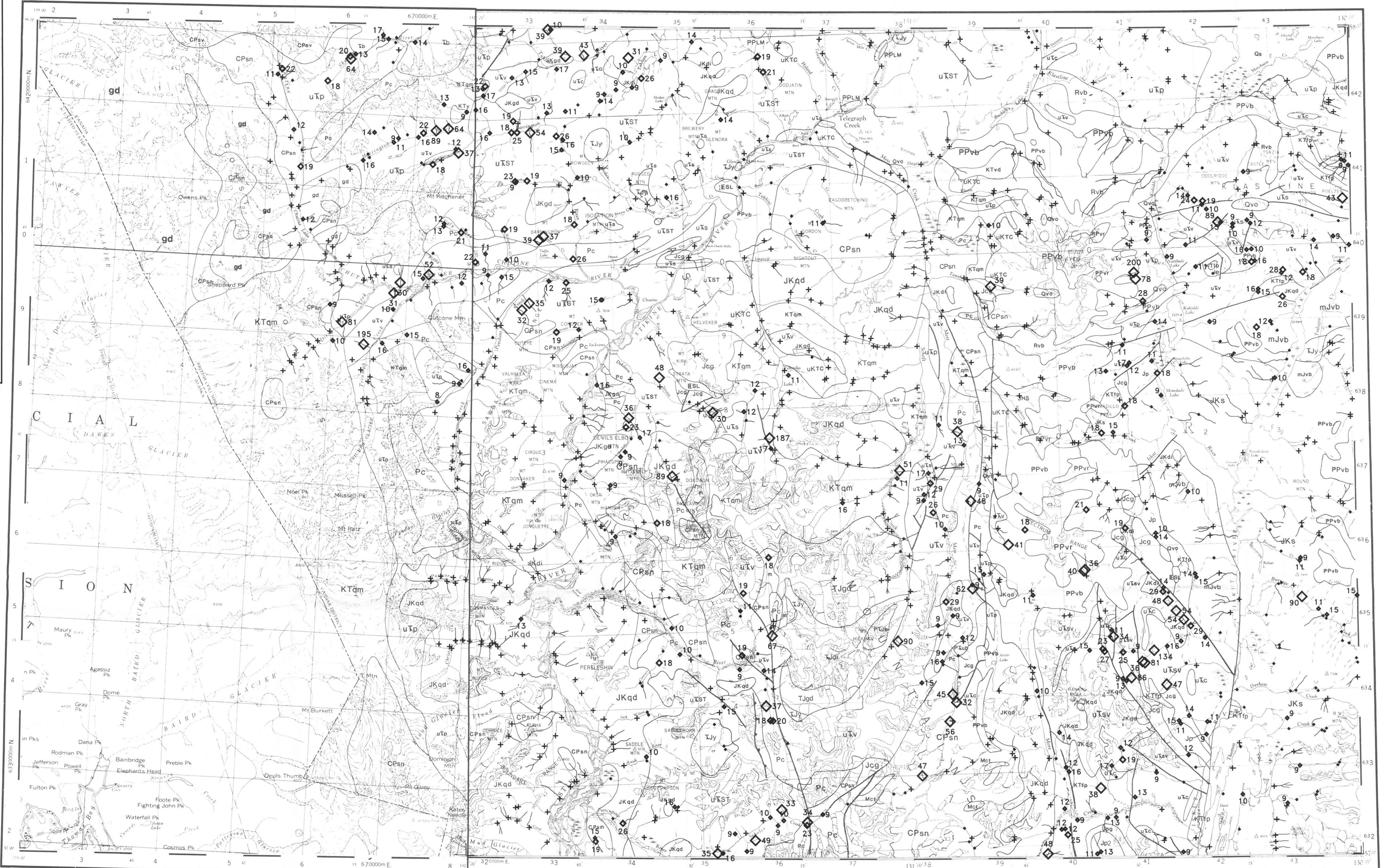


104F (Zone 8) & 104G (Zone 9)



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 cooperation with the Geological Survey of Canada. The 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
Libraries of the Geological Survey of Canada
Map Library at the University of British Columbia, Vancouver

For purchase at:

Maps B.C.
65 Superior Street
Victoria, B.C.
V8V 1Z2
(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 Subaction
Geological Survey Branch
Ministry of Energy, Mines and Petroleum Resources
Parliament Buildings
Victoria, British Columbia, V8V 1X4
(604) 387-3254

ARSENIC (ppm)
STREAM SEDIMENTS

B.C. RGS 19

GSC OPEN FILE 1646

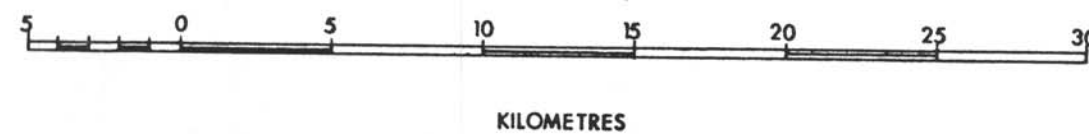
NATIONAL GEOCHEMICAL RECONNAISSANCE MAP 111

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, 28'46" East in centre west edge of map area, increasing 3.8' annually

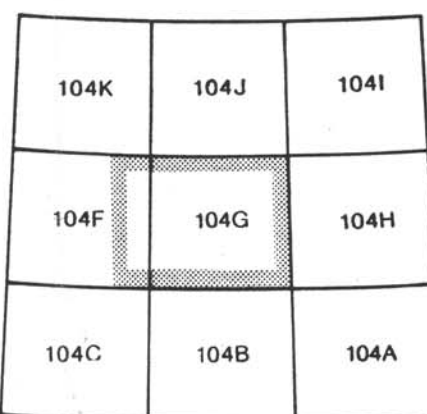
Universal Transverse Mercator Projection

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Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

Energy, Mines and Resources Canada
Ministry of Energy, Mines and Petroleum Resources

THIS PROJECT IS A CONTRIBUTION TO THE CANADA-BRITISH COLUMBIA
MINERAL DEVELOPMENT AGREEMENT 1985-1989



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ARSENIC (ppm)

STREAM SEDIMENTS

B.C. RGS 19

GSC OPEN FILE 1646

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

LEGEND

STRATIGRAPHIC 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

PLEISTOCENE AND PLEISTOCENE

PPLM (BSLT 63) LEVEL MOUNTAIN GROUP: basalt

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

PPv (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 (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) TAKWAHON: conglomerate, grit, greywacke

Jcg (CGGK 49) Conglomerate, grit, greywacke

TRIASSIC

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

UKs (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

UKv (ANBT 45) Andesite, basalt

UTvd (ANDS 45) Andesite, pyroclastic rocks, gneiss, granite

PERMIAN

Pc (LMSH 36) Limestone, minor calcareous shale

CARBONIFEROUS AND PERMIAN

CPsn (SCST 35) Schist, gneiss

CPav (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 (OTM2 56) Quartz monzonite

KTy (LSYN 56) Leucocratic syenite

JURASSIC AND CRETACEOUS

JKgd (GRDR 51) Granodiorite

JKad (GRZD 51) Quartz diorite

JKdi (DORT 51) Diorite

TRIASSIC AND JURASSIC

TKgd (GRDR 46) Granodiorite

TKdi (GRZD 46) Quartz diorite, diorite, amphibolite

TKy (SYNT 46) Syenite, monzonite

TRIASSIC

TKb (DORT 42) Diorite, gabbro

TKdi (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:

South, J.G., Brew, D.A. and Chisholm, 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, 104F - SUMDUM and 104G - TELEGRAPH CREEK; assessment reports refer to: Assessment Report Index Map, 104F - SUMDUM and 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.

ARSENIC (ppm)

STREAM SEDIMENTS

B.C. RGS 19

GSC OPEN FILE 1646

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