

ZINC (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

Qs (TILL 64) Surficial clastic sediments and glacial deposits

Qvo (CLVB 64) Olivine basalt

TERTIARY AND QUATERNARY

PLEOCENE AND PLEISTOCENE

PPLM (BSLT 63) LEVEL MOUNTAIN GROUP: basalt

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

PPvi (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 56) 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) TAWAHONI: conglomerate, grit, greywacke

Jcg (CGK 49) Conglomerate, grit, greywacke

TRIASSIC

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

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

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

uST (VLK 45) STUHNIG GROUP: undifferentiated volcanic and sedimentary rocks

uTv (ANST 45) Andesite, basalt

uLv (ANDS 45) Andesite, pyroclastic rocks, gneiss

PERMIAN

Pc (LM5H 36) Limestone, minor calcareous shale

CARBONIFEROUS AND PERMIAN

CPsn (SCST 35) Schist, gneiss

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

MISSISSIPPIAN

Mcl (LMTF 34) Limestone, tuff, chert

PLUTONIC ROCKS

CRETACEOUS AND TERTIARY

KTtp (FLSP 56) Felsite, felspar porphyry

KTam (QTMZ 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

Jkgd (GRDR 46) Granodiorite

Jldi (GRZD 46) Quartz diorite, diorite, amphibolite

Jsy (SYNT 46) Syenite, monzonite

TRIASSIC

ld (DORT 42) Diorite, gabbro

ldi (DORT 42) Diorite, monzonite

PERMIAN AND TRIASSIC

lud (UMFC 63) 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:

Southey, J.G., Brew, D.A. and Okulitch, A.V. (compilers) 1979 Iskut River, Geological Survey of Canada, Map 1415A.

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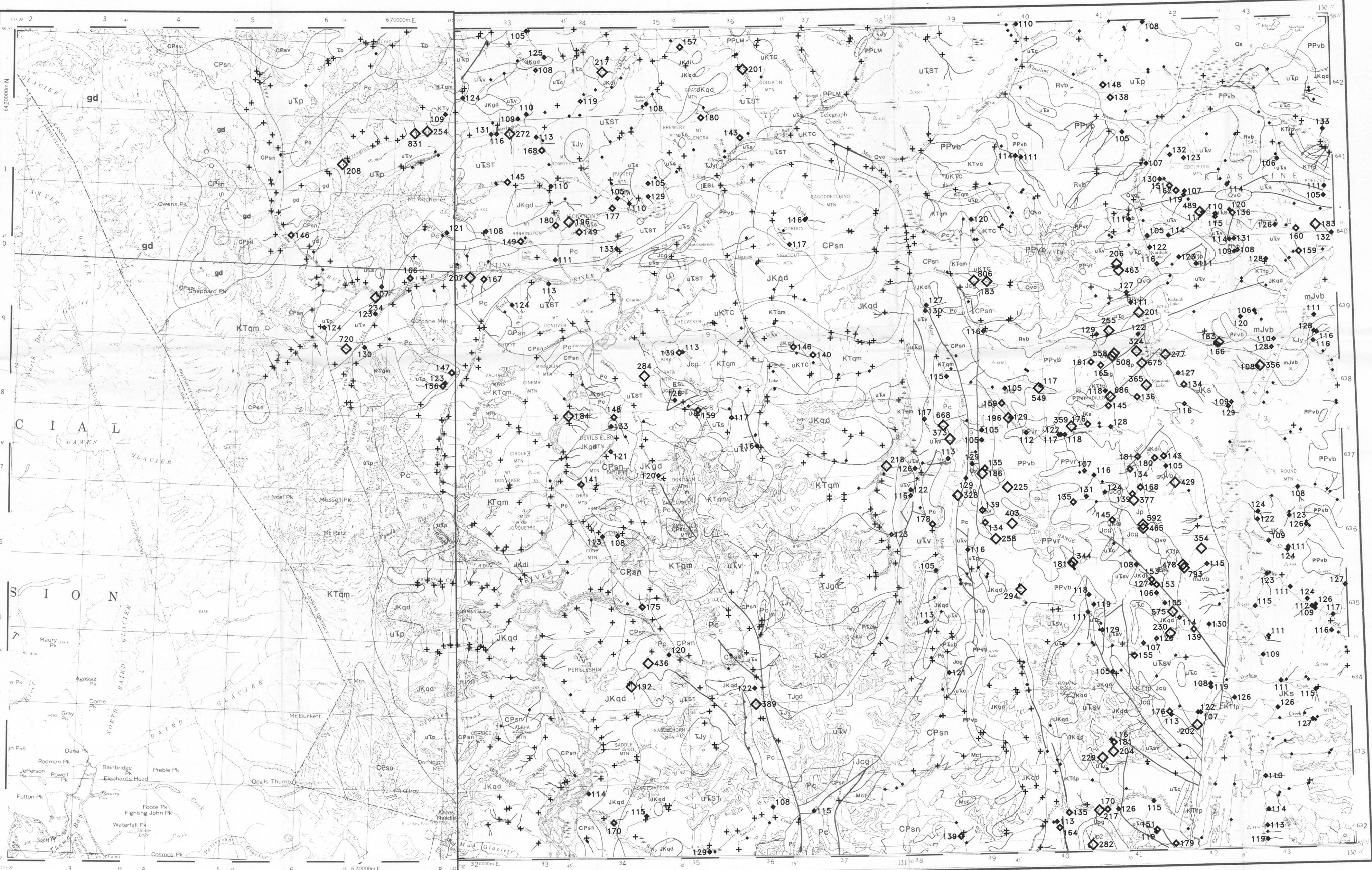
104F - SUMDUM / 104G - TELEGRAPH CREEK
NORTHWESTERN BRITISH COLUMBIA, 1987



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

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

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



ZINC (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

KILOMETRES

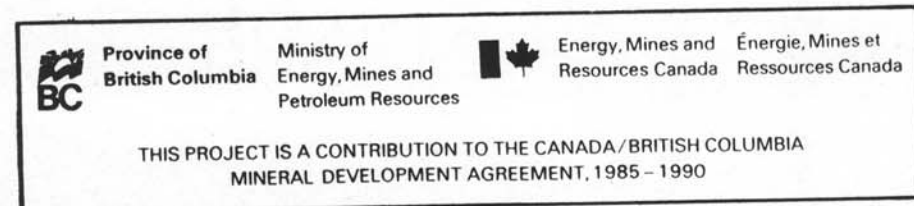
Elevation in feet above mean sea level

104G: Mean magnetic declination 1954, 2001's East in centre of map area, decreasing 4.0' annually

104F: Mean magnetic declination 1966, 2001's East in centre west edge of map area, increasing 3.8' annually

Universal Transverse Mercator Projection

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

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This map forms one of a series of open file maps (B.C. RGS 18-20) released in 1989 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, 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

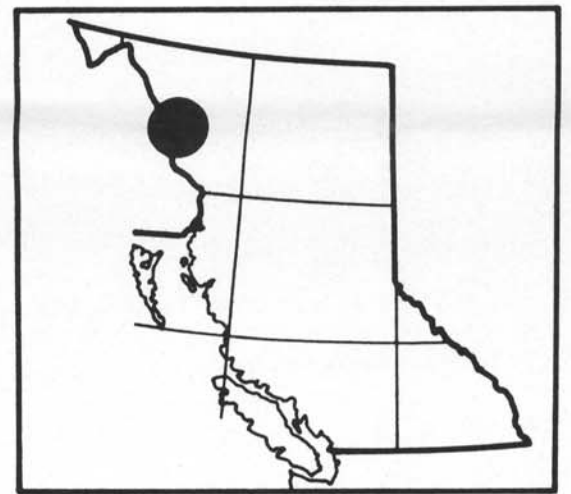
For purchase at:

Maps B.C.
553 Superior Street
Victoria, B.C.
V8V 1V5
(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



SURFICIAL GEOLOGY

COLLUVIUM

C

Material transported by gravity or material on gentle slopes derived from physical weathering of bedrock. Includes talus, landslide debris, debris flow deposits and avalanche cones

FLUVIAL DEPOSITS

F

Gravels, sands and silts deposited by streams and rivers, includes alluvial fans and river terraces

ICE

I

Permanent snow and ice, glaciers and snowfields

GLACIAL DEPOSITS

M

Clay, sand and rock fragments deposited by glaciers, includes Fraser Glaciation till and recent moraines. This unit includes small areas of colluvium, bedrock, glacioluvial, glaciolacustrine and eolian deposits

BEDROCK

R

Outcrops and rock covered by a few centimetres of surficial material. Includes up to 30% colluvium by area

VOLCANIC DEPOSITS

V

Unconsolidated volcanic ash, cinder and coarse ejecta and lava flows younger than Fraser Glaciation

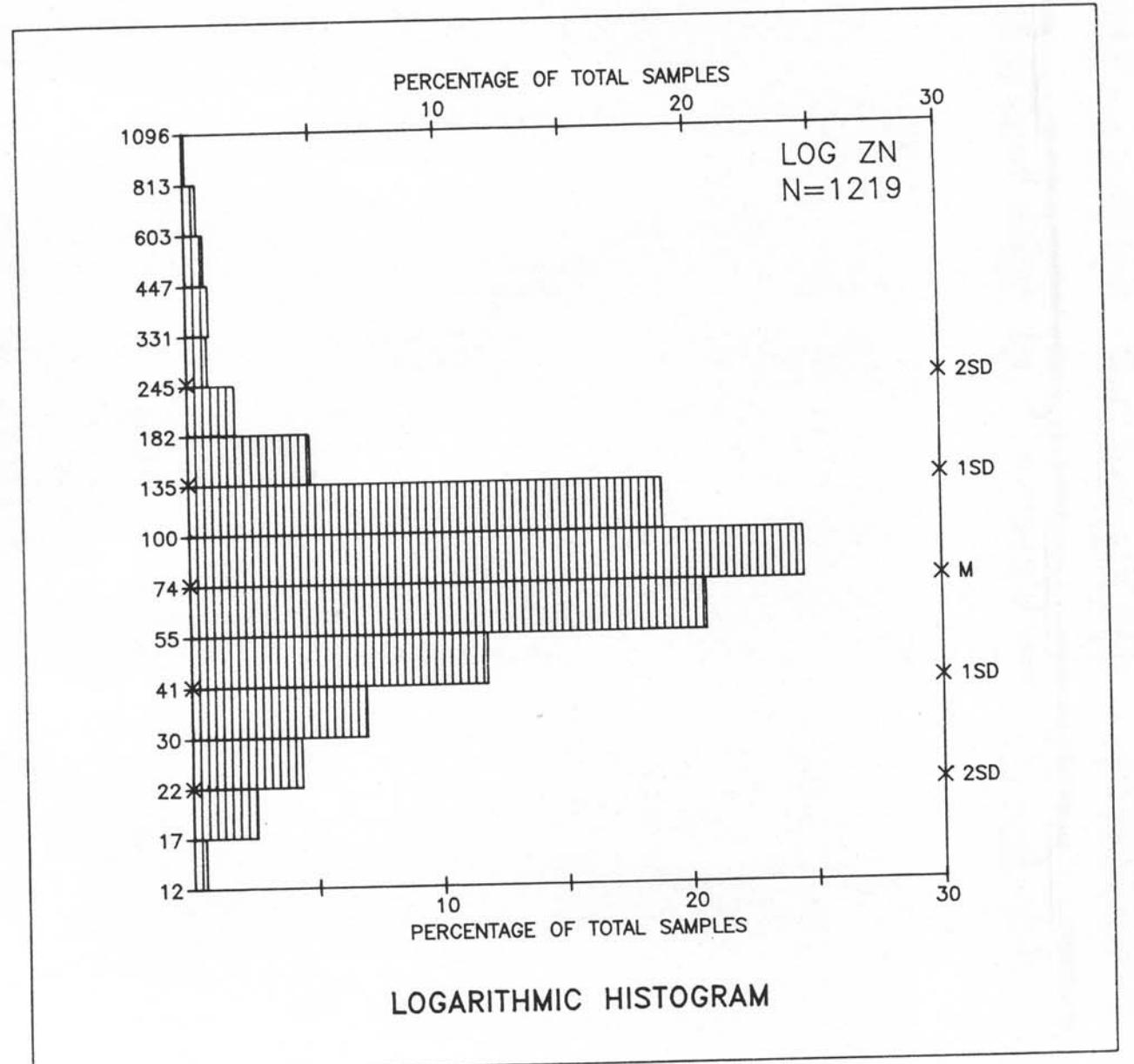
SYMBOLS

Meander channel

Glacial striation, direction of flow known, unknown

Drumlin, direction of flow known

Source of Information:
Ryder, J.M. (1984) Inventory for the Skeena-Iskut Area (NTS 104F, 104G, and parts of 104H and 104I), British Columbia Ministry of Environment, Technical Report 11.



CONCENTRATION

FREQUENCY

182 - 831

N = 60 (4.9%)

134 - 181

N = 62 (5.1%)

105 - 133

N = 183 (15.0%)

79 - 104

N = 300 (24.6%)

13 - 78

N = 614 (50.4%)

CONTRACTORS - 104F

Sample collection by McEhney 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 McEhney 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

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