

BRITISH COLUMBIA SURFICIAL DEPOSITS

PROGLACIAL DEPOSITS

LACUSTRINE DEPOSITS: Varved silt, clay, and sand, locally drumlinized and fluted through minor ice re-advance, fringed by beach deposits. Deposits up to 120 m thick along Nechako, >200 m thick along Blackwater.

Meltwater or outwash channel deposits bounded by cutbanks or terraces

UNDIVIDED GLACIOLACUSTRINE AND GLACIOLUVIAL DEPOSITS: Sand, silt and clay with local accumulations up to 70 m thick along valley bottoms

GLACIAL DEPOSITS

Undivided glacial till and ground moraine. Areas of low relief include abundant drumlins, rock drumlins, fluting, and esker complexes. Bedrock exposures predominate above 1700 m elevation

Outwash channel cutbank or terrace

Small meltwater or abandoned stream channel indicating direction of flow

Fluting or glacial striation

Drumlin, direction of flow known

Eskers and esker complexes

Kettled and pitted terrain

Note: Glacial deposits and features within NTS 93H are unmapped

Sources of information:

Geological Survey of Canada

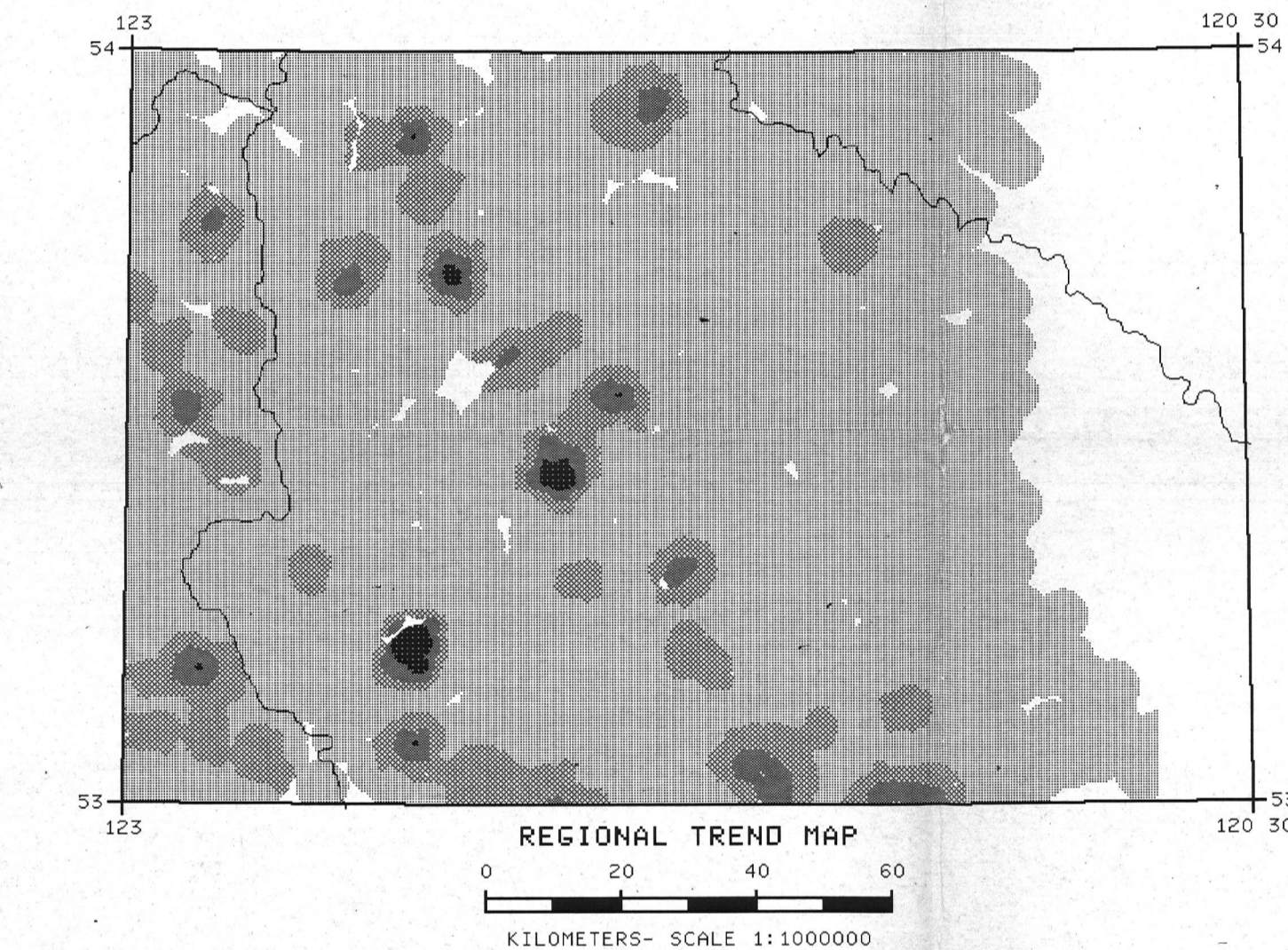
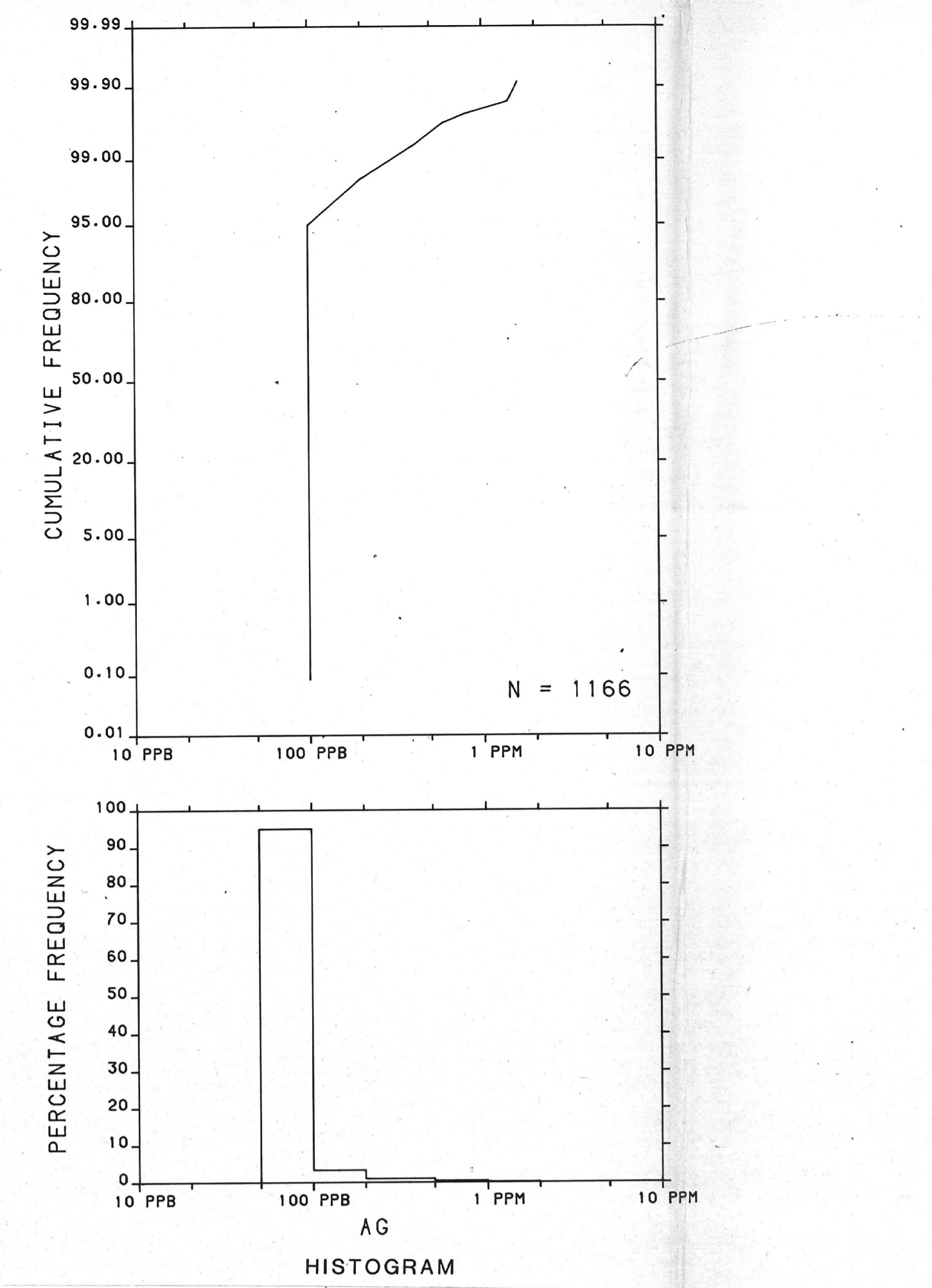
1938: Geology of Willow River Sheet
Map 335 A, West Half
Map 336 A, East Half

Tipper, H.W.

1971: Glacial Geomorphology and Pleistocene History of Central British Columbia; Geological Survey of Canada, Bulletin 196. 89p. (esp. Map 1288A, scale 1:250 000)

Tipper, H.W., Campbell, R.B., Taylor, G.C. and Stott, D.F.

1979: Parsnip River, British Columbia; Geological Survey of Canada, Map 1424A, scale 1:1 000 000



Provincial Open File
BC RGS-12-1984 (93G E/2, 93H W/2)

LEGEND
(This legend to be used west of 122°00' only)

Note: This legend is common for Regional Geochemical 72-1984 Open File 1107

CENOZOIC

QUATERNARY
PLEISTOCENE AND RECENT
TILL 41 TILL, GRAVEL, SAND, SILT, ALLUVIUM

TERTIARY
MIOCENE AND PLEIOCENE
BELT 42 OLIVINE BASALT FLOWS, BRECCIA, AND TUFF
Belt 42 SANDSTONE, SHALE, CONGLOMERATE, DIATOMITE, LIGNITE
OLIGOCENE AND MIOCENE
SANDS 43 ENDOKO GROUP: ANDESITE, BASALT, DACITE
PALEOCENE, EOCENE, OLILOCENE
SAND 42 CONGLOMERATE, SANDSTONE, SHALE, TUFF, BRECCIA

MESOZOIC - CENOZOIC
UPPER CRETACEOUS AND LOWER TERTIARY
SILT 41 DIVER-LAKE GROUP: PHYLLITE, DACITE, TRACHYTE, SANDSTONE, SHALE, CONGLOMERATE

CRETACEOUS
SANDS 36 ANDESITE, TUFF, BRECCIA, ARGILLITE, ARKOSE, CONGLOMERATE
LOWER CRETACEOUS
SAND 38 SEFEMA GROUP: CONGLOMERATE, GREYWACK, SHALE, COAL, VOLCANIC BRECCIA

JURASSIC
MIDDLE JURASSIC
SANDS 34 MACDONALD GROUP (PART) UNDIVIDED: BASALT, ANDESITE, TUFF, BRECCIA, GREYWACK, MUDDSTONE, CONGLOMERATE

LOWER AND MIDDLE JURASSIC
SANDS 33 TAGLA GROUP: ANDESITE, BASALT, TUFF, BRECCIA, CONGLOMERATE, GREYWACK, SHALE, LIMESTONE

TRIASSIC
UPPER TRIASSIC
SAND 32 BLACK PHYLLITE, SILTSTONE, LIMESTONE, QUARTZITE
PALEOZOIC
PENNYMOUNTAN AND PERMAN
SAND 29 TAGLA GROUP: ANDESITE, BASALT, TUFF, BRECCIA, CONGLOMERATE, GREYWACK, SHALE, LIMESTONE
MISSISSIPPIAN AND/OR YOUNGER
SAND 27 SLOPE MOUNTAIN GROUP: BASALT, BRECCIA, TUFF, CHERT, ARGILLITE, SANDSTONE, LIMESTONE, CONGLOMERATE

CAMBRIAN
LOWER CAMBRIAN
SAND 12 MURAL FORMATION: LIMESTONE (INCLUDES MANTO FORMATION SILTSTONE, SANDSTONE)

PROTEROZOIC
HADRYNAN
SAND 04 KAZA GROUP: SANDSTONE, CONGLOMERATE, GALT, PHYLLITE, SCHIST, AMPHIBOLITE, MARBLE, GNEISS

PLUTONIC ROCKS

TERTIARY
KORR 42 GRANODIORITE, QUARTZ DIORITE, QUARTZ MONZONITE

LOWER CRETACEOUS
SAND 36 HAYER INTRUSIONS: QUARTZ MONZONITE, EVENITE, MONZONITE, GRANODIORITE, DIORITE

UPPER TRIASSIC
SAND 32 TAGOMKANE BATHOLITH AND BODIES OF SIMILAR AGE AND LITHOLOGY: GRANODIORITE, QUARTZ DIORITE, QUARTZ MONZONITE

PERMAN AND/OR TRIASSIC
SAND 29 TREMBLEUR INTRUSIONS AND SIMILAR BODIES: PERIODITE, DUNITE, PYROXENIC SERPENTINE

SYMBOLS

GEOLOGICAL BOUNDARY: MAPPED, ASSUMED
FAULT: MAPPED, ASSUMED
THRUST FAULT (TEETH ON HANGINGWALL): MAPPED, ASSUMED
ANTICLINAL AXIS
SYNCLINAL AXIS
STREAM SAMPLE SITE

GEOLOGY AND MINERAL DEPOSITS

Geological Survey of Canada
Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

CONTRACTORS

Sample collection by McElhaney Surveying and Engineering Ltd., Vancouver
Sample preparation by Golder Associates, Ottawa

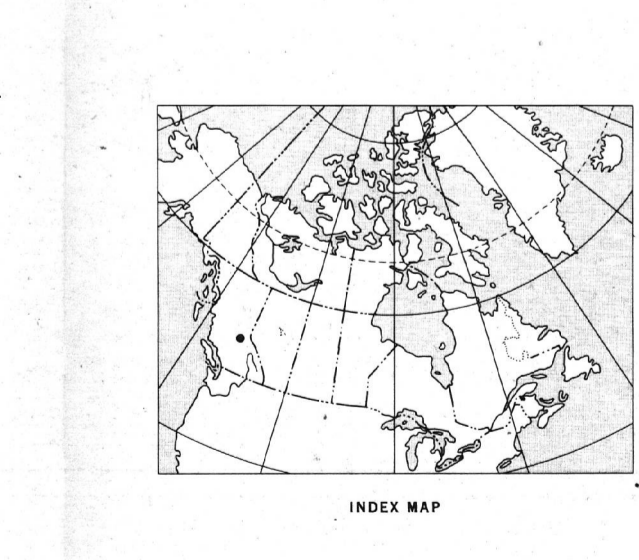
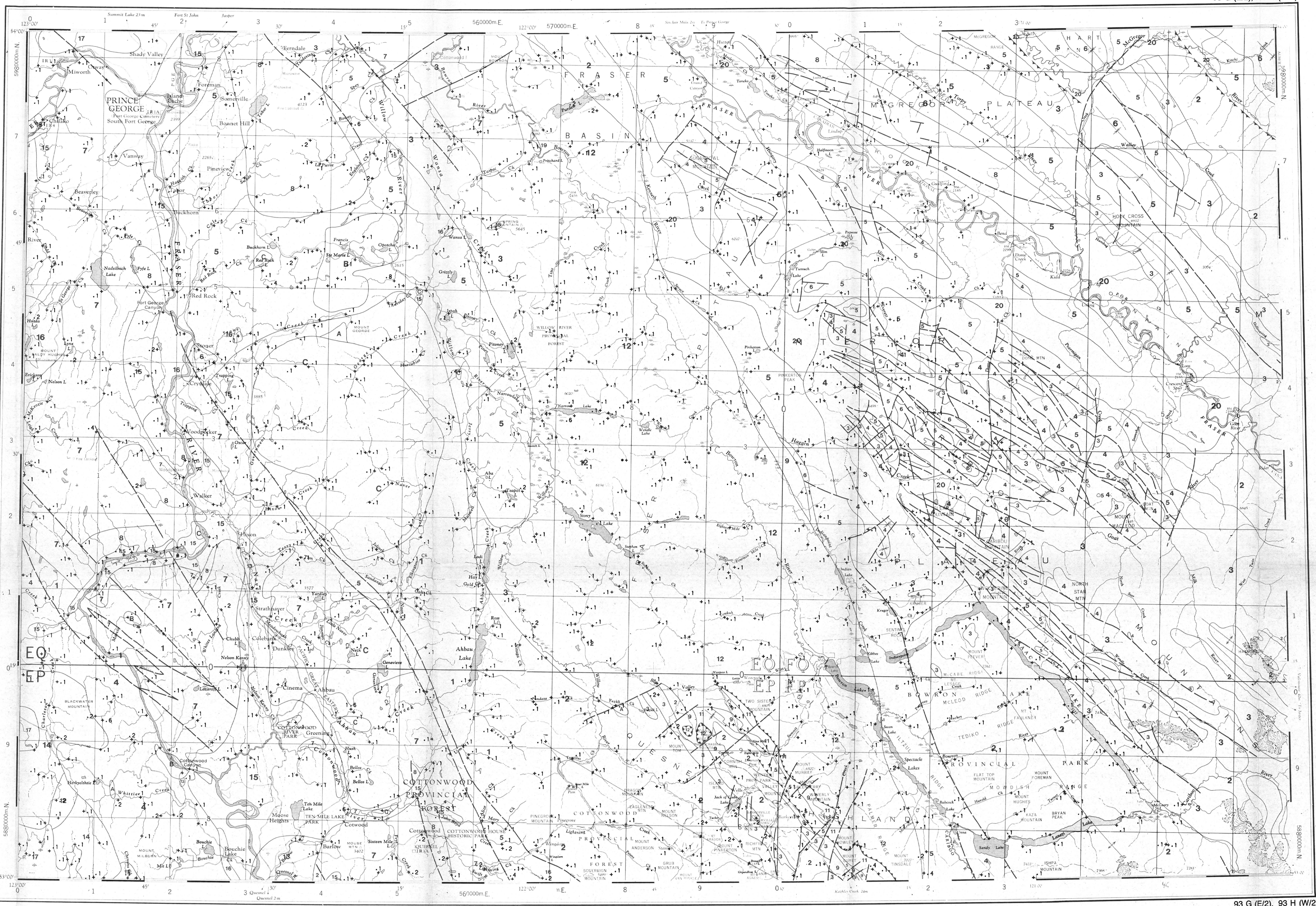
Sediment chemical analysis by Barringer Magenta Ltd., Regina, Ontario
Water chemical analyses by Barringer Magenta Laboratories (Alberta) Ltd., Calgary

Copies of map material and listings of field observations and analytical data, from which the material was prepared, may be available at users expense by application to:

K.G. Campbell Corporation
880 Wellington St.
Box 235
Ottawa, Ontario
K1R 6K7

The data are also available in digital form.
For further information please contact:

The Director
Computer Science Centre
Department of Energy, Mines and Resources
Ottawa, Ontario
K1A 0E4



Elevation in feet above mean sea level

Mean magnetic declination 1985, 27°34' West, decreasing 9.9' annually. Readings vary from 29°41' in the SW corner to 28°27' in the NE corner of the map area

Scale 1:250 000

Universal Transverse Mercator Projection
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SILVER (ppm)
GSC OPEN FILE 1107
REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 72-1984
JOINT CANADA/BRITISH COLUMBIA PROGRAM
STREAM SEDIMENT AND WATER GEOCHEMICAL SURVEY
EAST-CENTRAL BRITISH COLUMBIA

Base map assembled by the Geological Cartography Unit from maps published at the same scale by the Surveys and Mapping Branch in 1969, 1970

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SILVER (ppm)
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EAST-CENTRAL BRITISH COLUMBIA

93 G (E/2), 93 H (W/2)

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EAST-CENTRAL BRITISH COLUMBIA

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UPPER CRETACEOUS OR PALEOCENE
SILT 41 DIVER RIVER COALS: CONGLOMERATE, BRECCIA, SANDSTONE, SHALE, COAL

UPPER JURASSIC AND LOWER CRETACEOUS
SAND 38 SEFEMA GROUP: CONGLOMERATE, SANDSTONE, SILTY SHALE, SILTSTONE

JURASSIC
LOWER TO UPPER JURASSIC
SAND 34 FERRIS GROUP: SHALE, SILTY SHALE, SILTSTONE

TRIASSIC
UPPER TRIASSIC
SILT 32 PHYLLITE, ARGILLITE, MINOR LIMESTONE, QUARTZITE

MIDDLE AND UPPER TRIASSIC
SAND 33 TAGLA GROUP: ANDESITE, BASALT, TUFF, BRECCIA, CONGLOMERATE, GREYWACK, SHALE, LIMESTONE

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This map forms one of a series of maps released by the Geological Survey of Canada, Open File 1107. The Open File consists of maps of various geochemical variables: 16 for stream sediment, 3 for stream water and 1 sample site location

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