

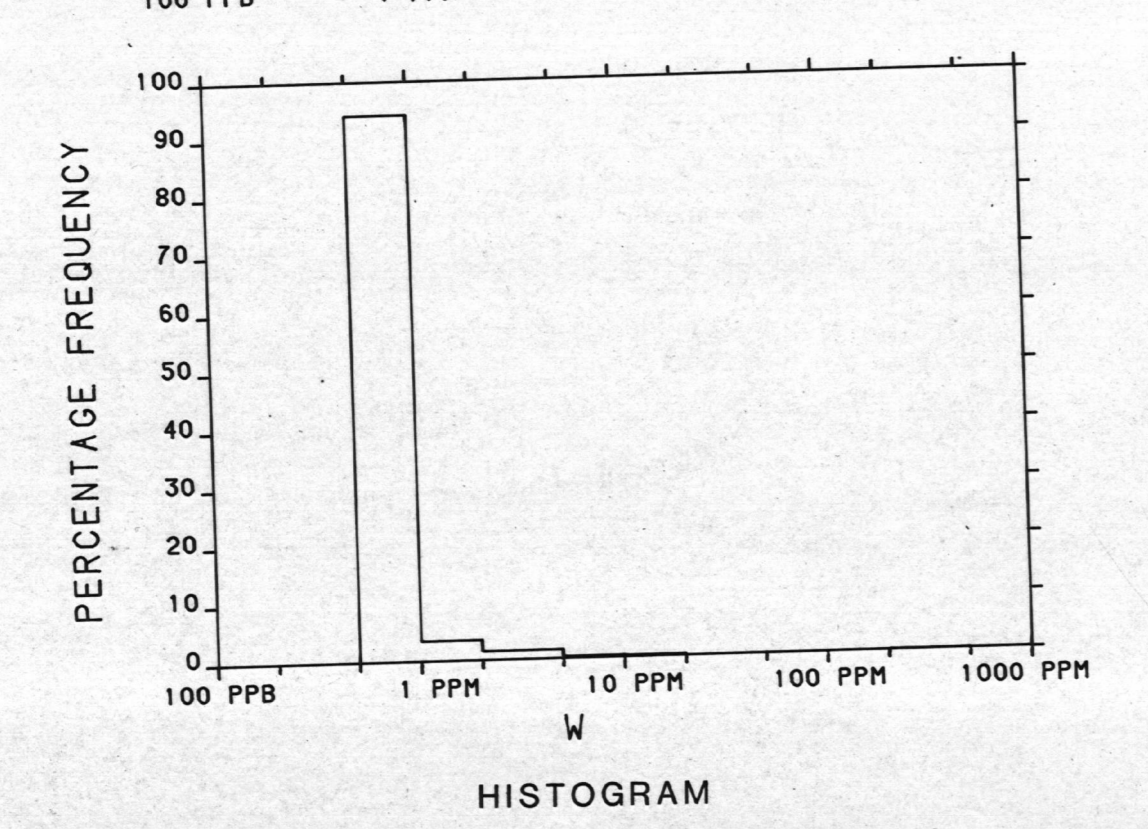
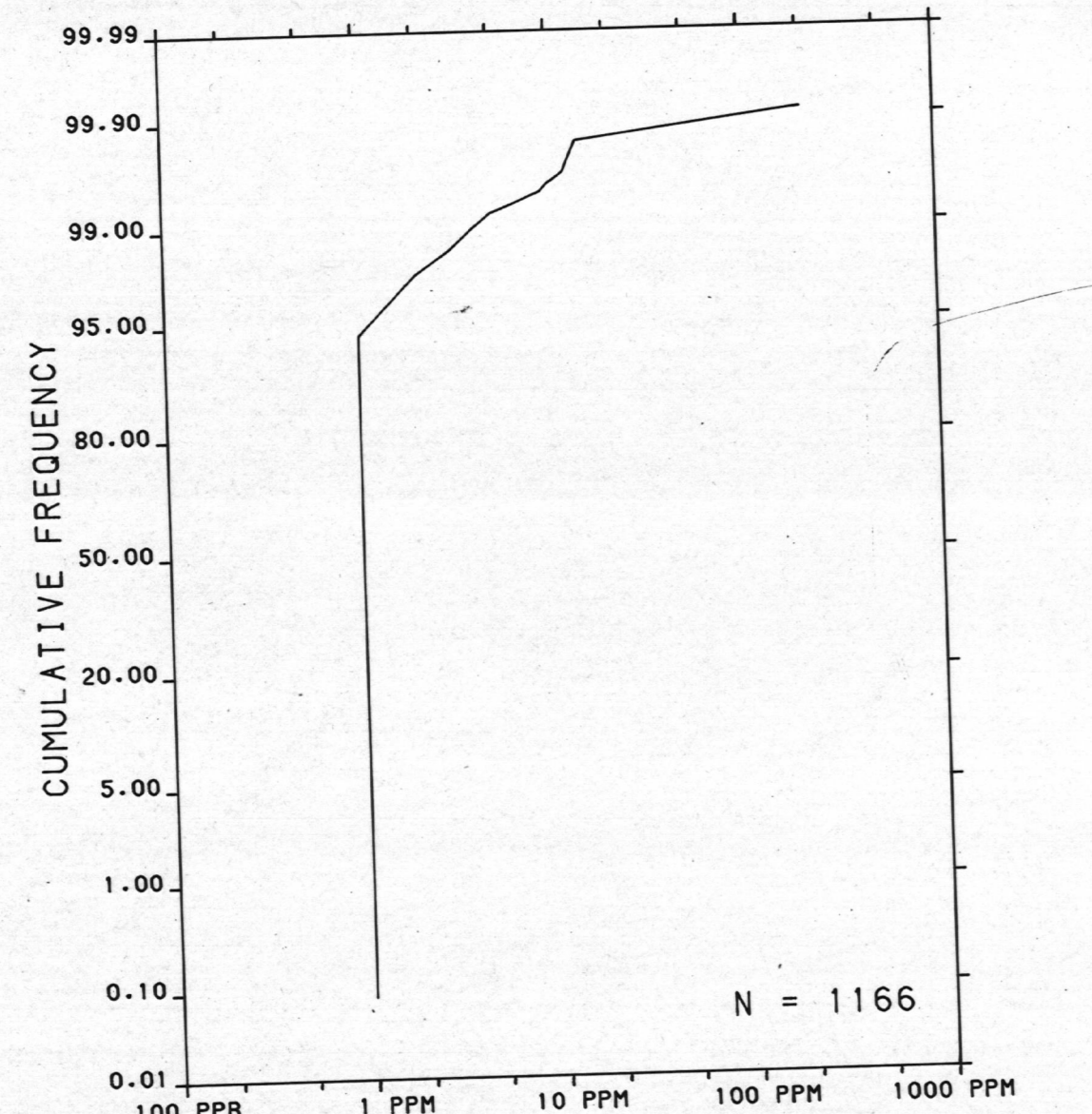
SURFICIAL GEOLOGY
Scale 1:1 000 000

BRITISH COLUMBIA SURFICIAL DEPOSITS

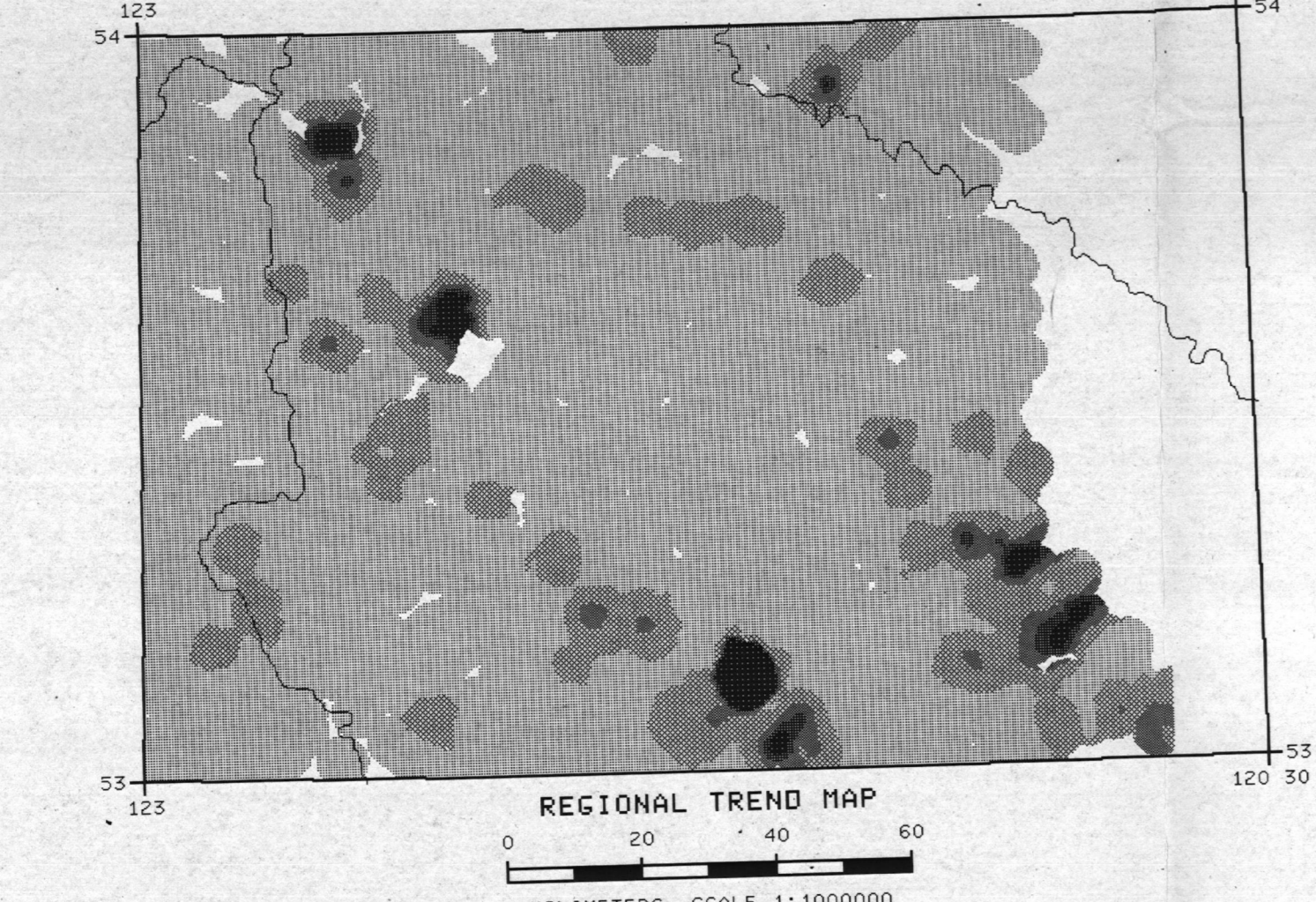
- PROGLACIAL DEPOSITS**
- LACUSTRINE DEPOSITS:** Varved silt, clay, and sand, locally drumlinized and fluted through minor ice re-advance, fringed by beach deposits. Deposits up to 120 m thick along Mechako, 5200 m thick along Blackwater.
- MELT-WATER OR OUBWASH CHANNEL DEPOSITS** bounded by cutbanks 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, 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



HISTOGRAM



REGIONAL TREND MAP
Scale 1:1 000 000

Provincial Open File
BC 665-12-1984 (936 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**
- TERTIARY**
- MIOCENE AND PLEIOCENE**
- OLIGOCENE AND MIOCENE**
- PALEOCENE, EOCENE, OLILOCENE**
- MESOZOIC - CENOZOIC**
- UPPER CRETACEOUS AND LOWER TERTIARY**
- CRETACEOUS**
- LOWER CRETACEOUS**
- JURASSIC**
- MIDDLE JURASSIC**
- LOWER AND MIDDLE JURASSIC**
- UPPER TRIASSIC AND LOWER JURASSIC**
- TRIASSIC**
- UPPER TRIASSIC**
- PALEOZOIC**
- PENNSYLVANIAN AND PERMIAN**
- MISSISSIPPIAN AND YOUNGER**
- CAMBRIAN**
- LOWER CAMBRIAN**
- PROTEROZOIC**
- MADRYNIAN**
- PLUTONIC ROCKS**
- TERTIARY**
- LOWER CRETACEOUS**
- UPPER TRIASSIC**
- PERMIAN AND/OR TRIASSIC**

Generalized geology after Geological Survey of Canada Map 49-1960, Prince George, British Columbia, 1 inch to 4 miles, H. W. Tipper, 1960 and Geological Survey of Canada Map 1424A, Parsnip River, British Columbia, 1:1 000 000, compilation by H. W. Tipper, R. B. Campbell, G. C. Taylor, and D. F. Stott, 1979. Used to determine dominant catchment basin rock type for geochemical data.

The four-letter mnemonic name indicates rock type and the two-digit number indicates age.

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 (MIM) 93H (PROVINCE GEOSCIENCE); Assessment Reports, refer to Assessment Report Index Map (ARI) 93H (PROVINCE GEOSCIENCE); General and Bedrock Geology Mapping Reports, refer to Index to Bedrock Geology Mapping Reports, 1982; Mineral and Petrology Maps, refer to Index to Mineral and Petrology Maps, 1982; and to determine dominant catchment basin rock type for geochemical data.

The four-letter mnemonic name indicates rock type and the two-digit number indicates age.

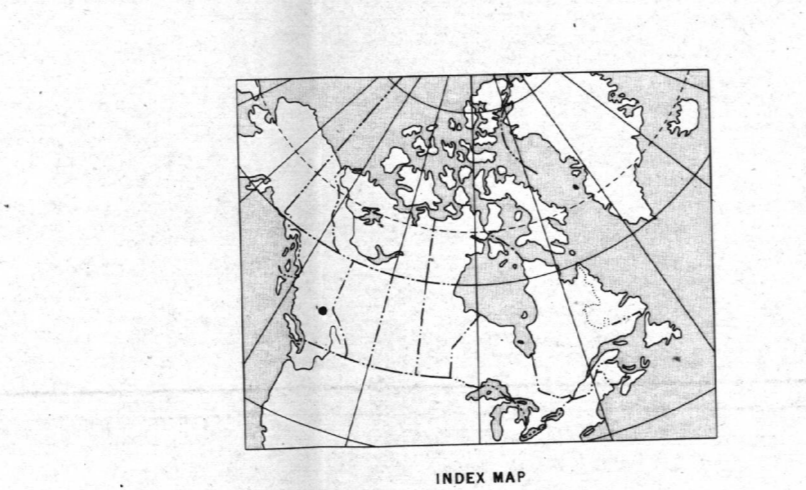
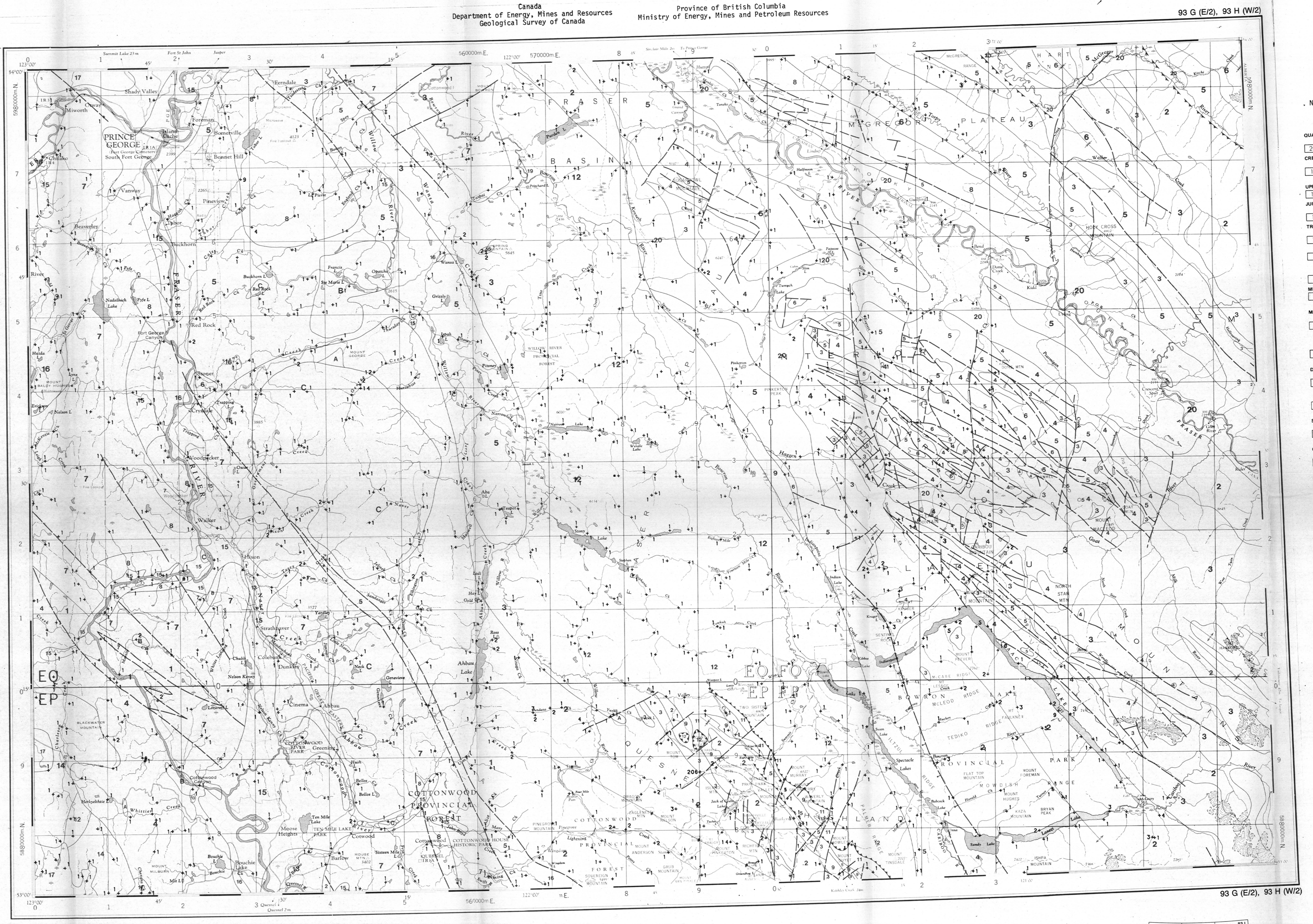
For location of the following specific information for this area refer to British Columbia Ministry of Energy, Mines and Petroleum Resources: Mineral Deposits, refer to Mineral Inventory Map (MIM) 93H (PROVINCE GEOSCIENCE); Assessment Reports, refer to Assessment Report Index Map (ARI) 93H (PROVINCE GEOSCIENCE); General and Bedrock Geology Mapping Reports, refer to Index to Bedrock Geology Mapping Reports, 1982; Mineral and Petrology Maps, refer to Index to Mineral and Petrology Maps, 1982; and to determine dominant catchment basin rock type for geochemical data.

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
800 Wellington St.
Bay 238
Ottawa, Ontario
K1R 6Z7

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 0G4



Elevation in feet above mean sea level

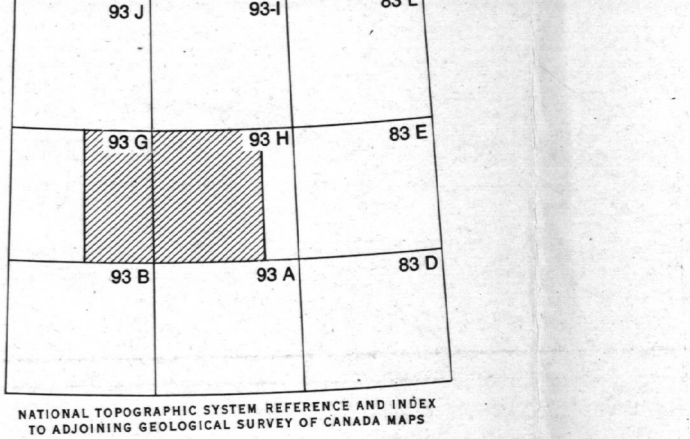
Mean magnetic declination 1985, 27°04' West, decreasing 9.3' annually. Readings vary from 26°01' in the SW corner to 28°27' in the NE corner of the map area

TUNGSTEN (ppm)
GSC OPEN FILE 1107
REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 72-1984
JOINT CANADA/BRITISH COLUMBIA PROGRAM
STREAM SEDIMENT AND WATER GEOCHEMISTRY
EAST-CENTRAL BRITISH COLUMBIA

Scale 1:250 000

Universal Transverse Mercator Projection
© Crown Copyright reserved

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



REGIONAL TREND MAP
Scale 1:1 000 000

TUNGSTEN (ppm)
GSC OPEN FILE 1107
EAST-CENTRAL BRITISH COLUMBIA

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

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

- QUATERNARY**
- PLEISTOCENE AND RECENT**
- CRETACEOUS OR TERTIARY**
- UPPER CRETACEOUS OR PALEOCENE**
- UPPER JURASSIC AND LOWER CRETACEOUS**
- JURASSIC**
- LOWER TO UPPER JURASSIC**
- TRIASSIC**
- UPPER TRIASSIC**
- MIDDLE AND UPPER TRIASSIC**
- LOWER AND MIDDLE TRIASSIC**
- MISSISSIPPIAN AND PERMIAN**
- MISSISSIPPIAN**
- LOWER MISSISSIPPIAN AND/OR YOUNGER**
- MISSISSIPPIAN AND/OR OLDER**
- DEVONIAN**
- UPPER AND MIDDLE DEVONIAN**
- LOWER DEVONIAN AND YOUNGER**
- SILURIAN**
- LOWER SILURIAN**
- ORDOVICIAN**
- LOWER AND MIDDLE ORDOVICIAN**
- CAMBRIAN**
- LOWER CAMBRIAN AND MADRYNIAN**
- MADRYNIAN**
- INTRUSIVE ROCKS**
- MISSISSIPPIAN OR YOUNGER**

Generalized geology after Geological Survey of Canada, Map 1288A to accompany Paper 72-35, Geology of Mecklenburg and Willow River Basins, British Columbia, by R. Campbell, E. W. Mountain, and F. G. Young, Geological Survey of Canada, Map 1424A, Parsnip River, British Columbia, 1:1 000 000, compilation by H. W. Tipper, R. B. Campbell, G. C. Taylor, and D. F. Stott, 1979. Used to determine dominant catchment basin rock type for geochemical data.

The four-letter mnemonic name indicates rock type and the two-digit number indicates age.

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 (MIM) 93H (PROVINCE GEOSCIENCE); Assessment Reports, refer to Assessment Report Index Map (ARI) 93H (PROVINCE GEOSCIENCE); General and Bedrock Geology Mapping Reports, refer to Index to Bedrock Geology Mapping Reports, 1982; Mineral and Petrology Maps, refer to Index to Mineral and Petrology Maps, 1982; and to determine dominant catchment basin rock type for geochemical data.

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
800 Wellington St.
Bay 238
Ottawa, Ontario
K1R 6Z7

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 0G4

TUNGSTEN (ppm)
GSC OPEN FILE 1107
EAST-CENTRAL BRITISH COLUMBIA