

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 Nechako, >200 m thick along Blackwater.
 - Meltwater or outwash channel deposits bounded by cutbanks or terraces
 - UNDIVIDED GLACIALACUSTRINE AND GLACIOFLUVIAL 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
- GLACIAL DEPOSITS**
- 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

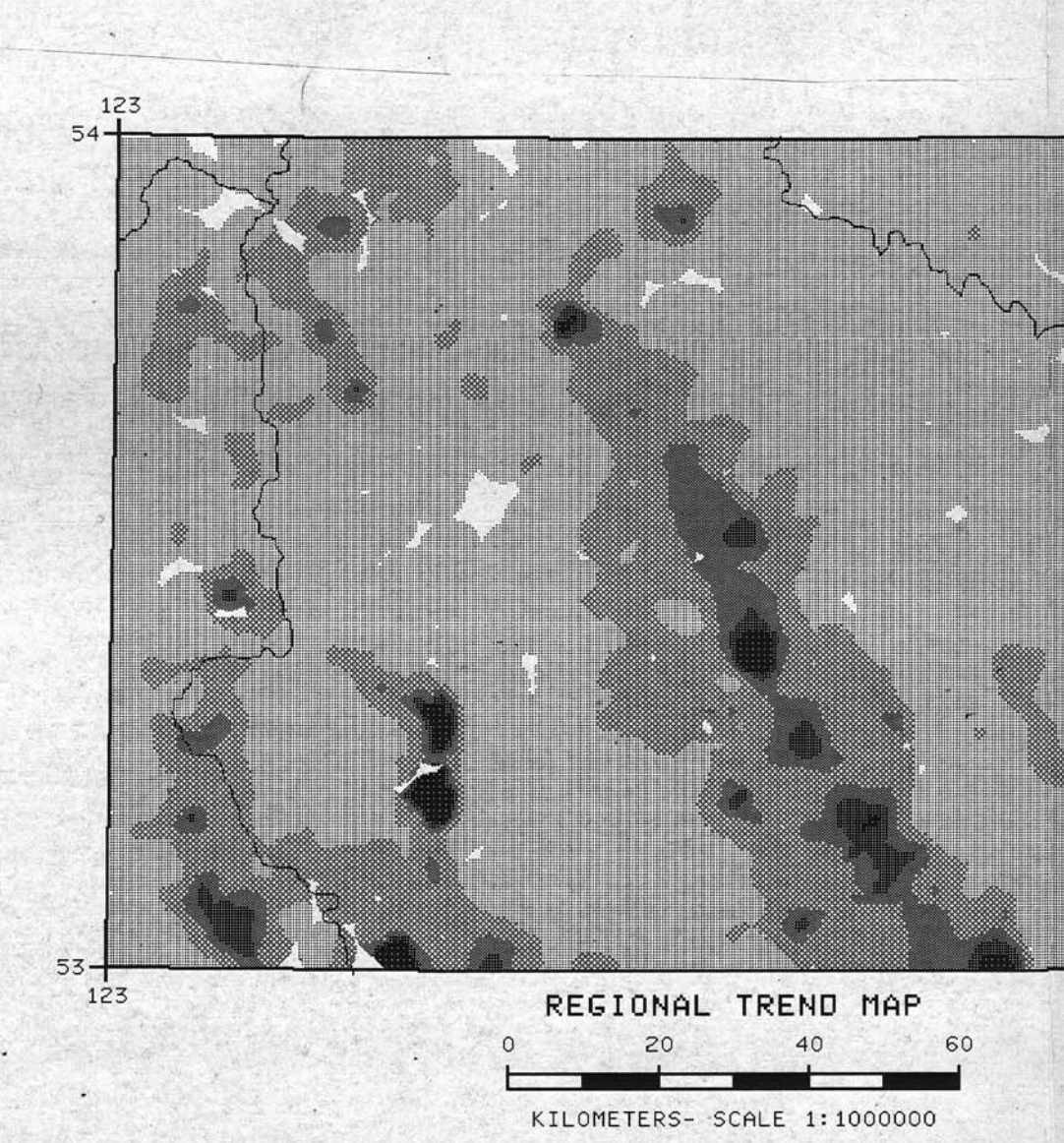
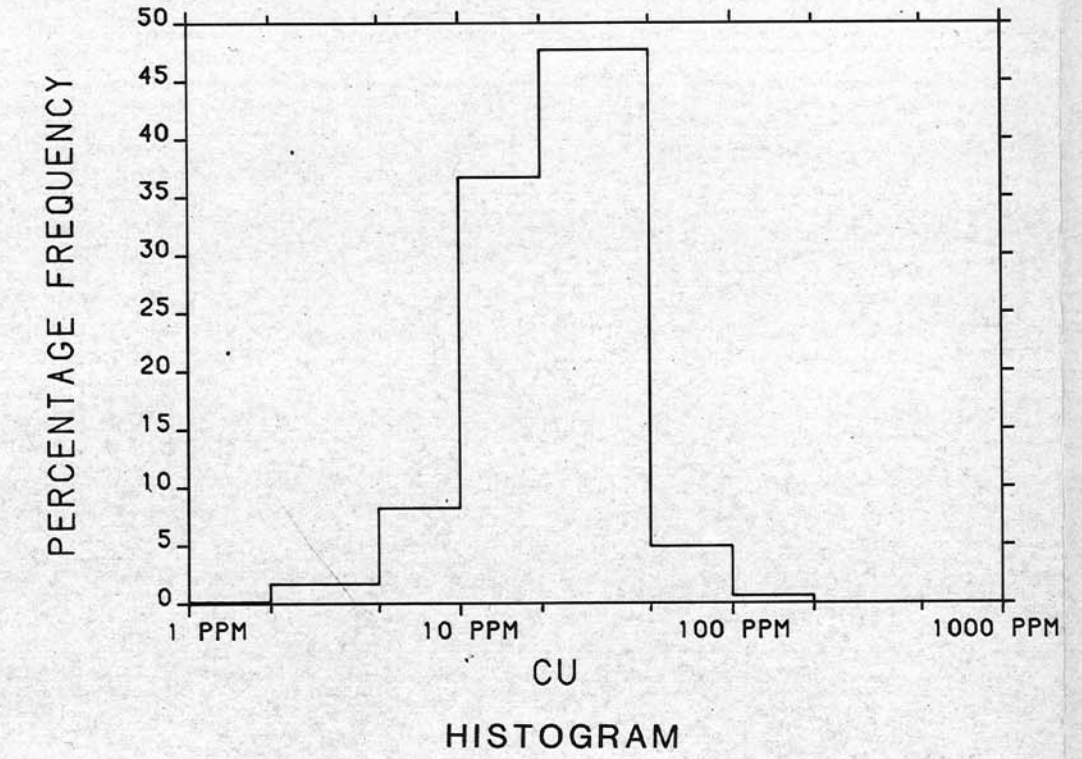
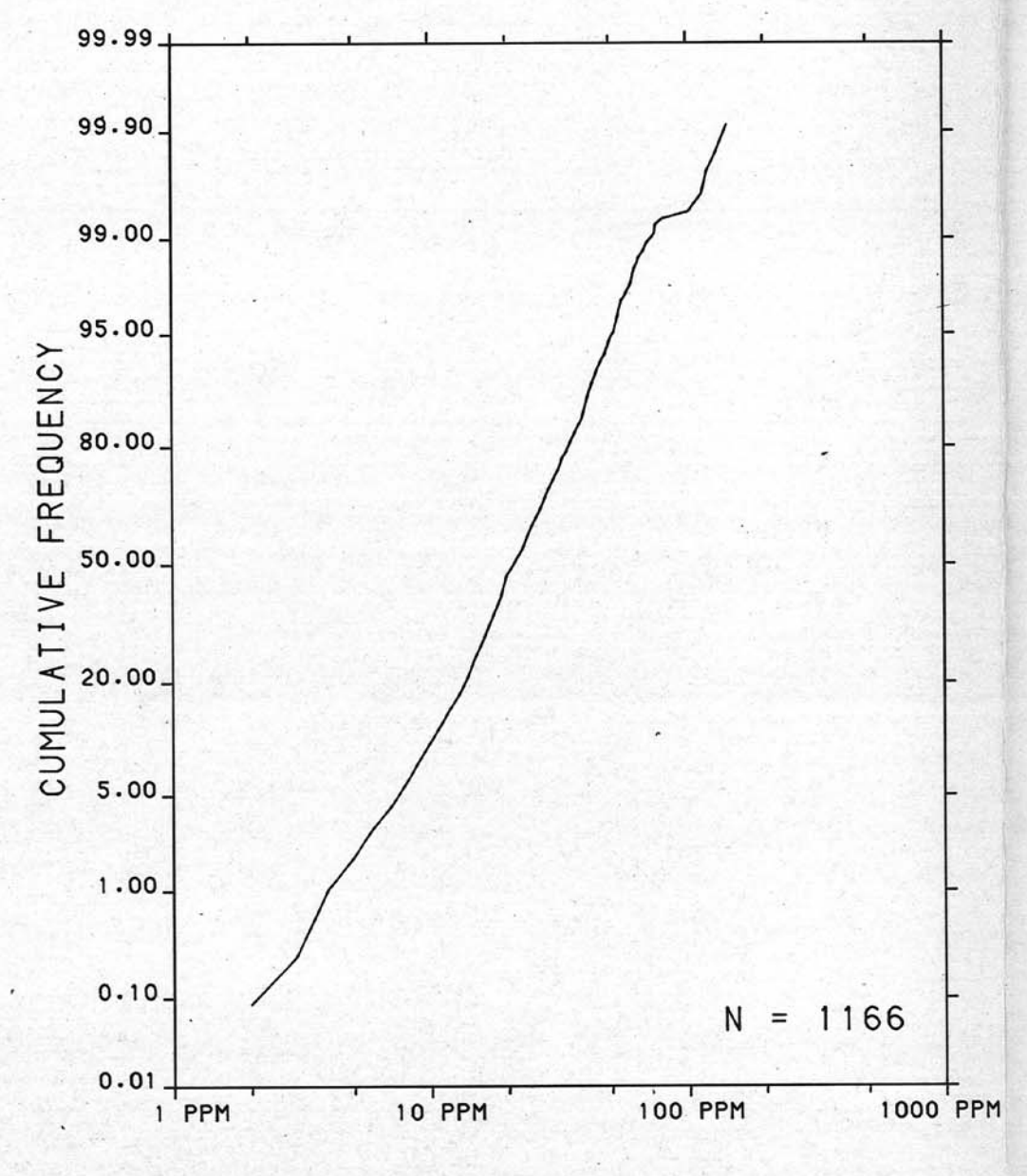
Note: Glacial deposits and features within NTS 93H are unmapped

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



REGIONAL TREND MAP
Kilometers - Scale 1:100 000

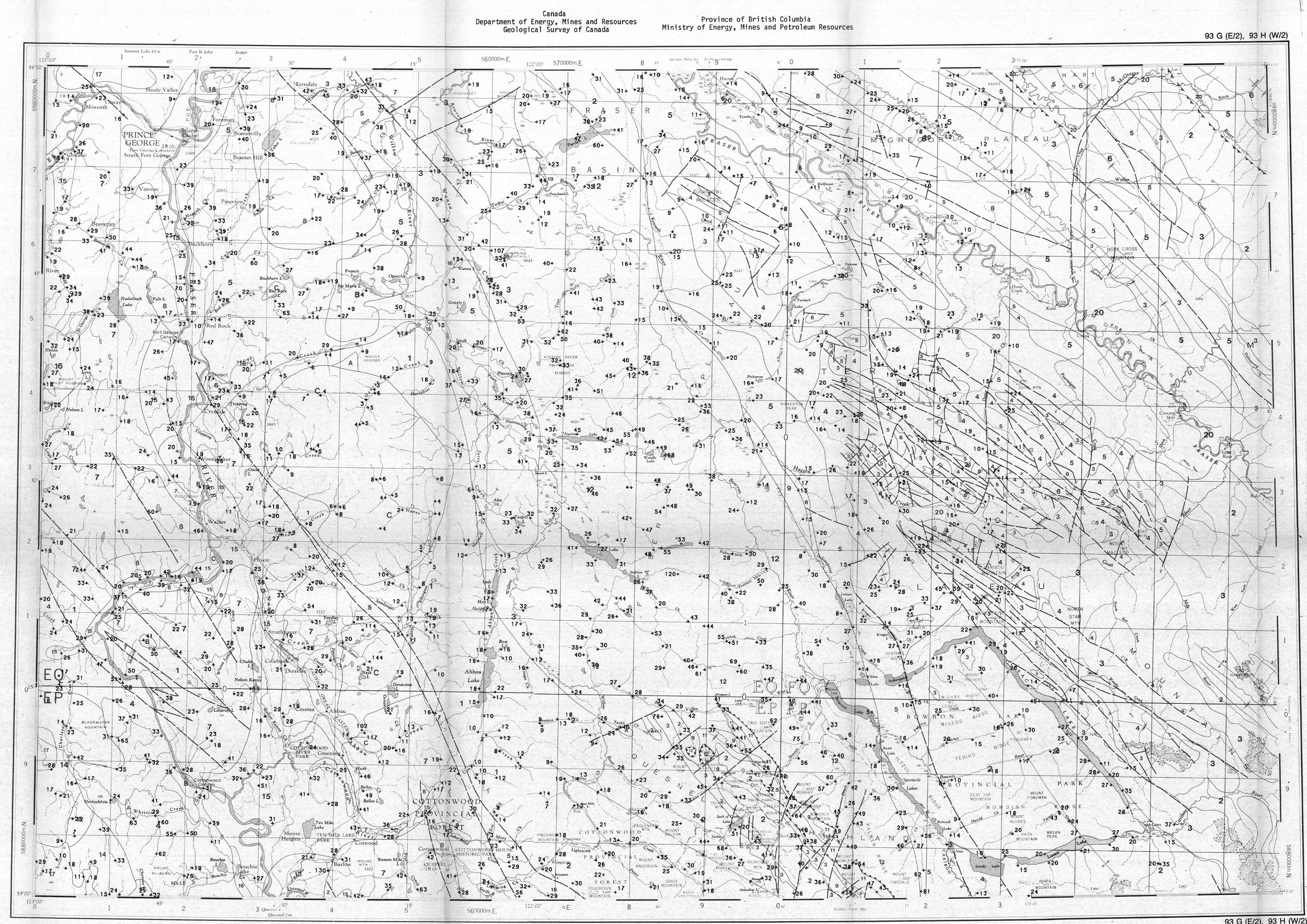
Provincial Open File
BC RGS-12-1984 (93G E/2, 93H W/2)
LEGEND
(This legend to be used west of 122°00' only.)
Note: This legend is common for Regional Geochemical
72-1984 Open File 1107

- CENOZOIC**
- QUATERNARY**
- 17 TILL 441 TILL, GRAVEL, SAND, SILT, ALLUVIUM
- TERTIARY**
- MIOCENE AND PLEISTOCENE**
- 16 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, AND TUFF
 - 15 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, AND TUFF
- OLIGOCENE AND MIOCENE**
- 14 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, AND TUFF
- PALEOCENE, EOCENE, OLILOCENE**
- 13 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, AND TUFF
- MESOZOIC - CENOZOIC**
- UPPER CRETACEOUS AND LOWER TERTIARY**
- 12 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, AND TUFF
- CRETACEOUS**
- 11 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, AND TUFF
- LOWER CRETACEOUS**
- 10 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, AND TUFF
- JURASSIC**
- 9 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, AND TUFF
- LOWER AND MIDDLE JURASSIC**
- 8 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, AND TUFF
- UPPER TRIASSIC AND LOWER JURASSIC**
- 7 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, AND TUFF
- TRIASSIC**
- 6 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, AND TUFF
- PERMIAN AND TRIASSIC**
- 5 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, AND TUFF
- PALEOZOIC**
- PERMIAN AND TRIASSIC**
- 4 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, AND TUFF
- PROTEROZOIC**
- HADRYANIAN**
- 3 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, AND TUFF
- PLUTONIC ROCKS**
- TERTIARY**
- 2 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, AND TUFF
- LOWER CRETACEOUS**
- 1 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, AND TUFF
- UPPER TRIASSIC**
- 0 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, AND TUFF
- PERMIAN AND TRIASSIC**
- 0 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, AND TUFF

Generalized geology after Geological Survey of Canada Map 48-1980, Prince George, British Columbia, 1:500 000. The map is based on the 1968 and 1969 Geological Survey of Canada Map 1424A, Prince River, British Columbia, 1:100 000. The map is based on the 1968 and 1969 Geological Survey of Canada Map 1424A, Prince River, British Columbia, 1:100 000. The map is based on the 1968 and 1969 Geological Survey of Canada Map 1424A, Prince River, British Columbia, 1:100 000.

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 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



COPPER (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
Scale 1:250 000

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

Mean magnetic declination 1985, 27°34' West, decreasing 9.9' annually. Readings vary from 26°11' in the SW corner to 28°27' in the NE corner of the map area

Universal Transverse Mercator Projection
© Crown Copyright reserved

COPPER (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**
- 20 TILL 441 TILL, GRAVEL, SAND, SILT, ALLUVIUM
- CRETACEOUS OR TERTIARY**
- UPPER CRETACEOUS OR PALEOCENE**
- 19 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, SANDSTONE, SHALE, COAL
- UPPER JURASSIC AND LOWER CRETACEOUS**
- 18 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, SANDSTONE, SHALE, COAL
- JURASSIC**
- 17 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, SANDSTONE, SHALE, COAL
- LOWER TO UPPER JURASSIC**
- 16 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, SANDSTONE, SHALE, COAL
- TRIASSIC**
- 15 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, SANDSTONE, SHALE, COAL
- MIDDLE AND UPPER TRIASSIC**
- 14 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, SANDSTONE, SHALE, COAL
- LOWER AND MIDDLE TRIASSIC**
- 13 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, SANDSTONE, SHALE, COAL
- MISSISSIPPIAN AND PERMIAN**
- 12 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, SANDSTONE, SHALE, COAL
- MISSISSIPPIAN**
- 11 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, SANDSTONE, SHALE, COAL
- LOWER MISSISSIPPIAN AND OLDER**
- 10 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, SANDSTONE, SHALE, COAL
- DEVONIAN**
- 9 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, SANDSTONE, SHALE, COAL
- UPPER AND MIDDLE DEVONIAN**
- 8 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, SANDSTONE, SHALE, COAL
- LOWER DEVONIAN AND YOUNGER**
- 7 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, SANDSTONE, SHALE, COAL
- SILURIAN**
- 6 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, SANDSTONE, SHALE, COAL
- LOWER SILURIAN**
- 5 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, SANDSTONE, SHALE, COAL
- OROVOCAN**
- 4 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, SANDSTONE, SHALE, COAL
- CAMBRIAN**
- 3 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, SANDSTONE, SHALE, COAL
- LOWER CAMBRIAN AND HADRYANIAN**
- 2 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, SANDSTONE, SHALE, COAL
- HADRYANIAN**
- 1 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, SANDSTONE, SHALE, COAL
- INTRUSIVE ROCKS**
- 0 BSIL 421 OLIVINE BASALT FLOWS, BRECCIA, SANDSTONE, SHALE, COAL

Generalized geology after Geological Survey of Canada Map 1424A, Prince River, British Columbia, 1:100 000. The map is based on the 1968 and 1969 Geological Survey of Canada Map 1424A, Prince River, British Columbia, 1:100 000. The map is based on the 1968 and 1969 Geological Survey of Canada Map 1424A, Prince River, British Columbia, 1:100 000.

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: 19 for stream sediment, 3 for stream water and 1 sample site location

COPPER (ppm)
GSC OPEN FILE 1107
EAST-CENTRAL BRITISH COLUMBIA
This map has been reprinted from a scanned version of the original map. Reproduction per numerical value from the paper.