

**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  
[17] (TTL 44) TILL, GRAVEL, SAND, SILT, ALLUVIUM

**CRETACEOUS OR TERTIARY**  
UPPER CRETACEOUS OR PALEOCENE  
[19] (CUM 43) BROWN RIVER COAL BEDS, CONGLOMERATE, BRECCIA, SANDSTONE, SHALE, COAL

**JURASSIC**  
MIDDLE JURASSIC  
[9] (ANDS 34) HAZZLETON GROUP (PART) UNDIVIDED: BASALT, ANDESITE, TUFF, BRECCIA, GYPSUM, MUDSTONE, CONGLOMERATE

**TRIASSIC**  
UPPER TRIASSIC  
[2] (IPLT 20) BLACK PHYLITE, SILTSTONE, LIMESTONE, QUARTZITE

**PALEOZOIC**  
PENNSYLVANIAN AND PERMIAN  
[1] (LIMT 20) COCKE CREEK GROUP: RIBBON CHERT, BLACK ARGILLITE, LIMESTONE, SANDSTONE, LIMESTONE, CONGLOMERATE

**MISSISSIPPIAN AND/OLDER**  
[1] (IBLT 21) SLOPE MOUNTAIN GROUP: BASALT, BRECCIA, TUFF, CHERT, ARGILLITE, SANDSTONE, LIMESTONE, CONGLOMERATE

**CAMBRIAN**  
[2] (LIMB 21) MURAL FORMATION: LIMESTONE (INCLUDES MAHO FORMATION SILTSTONE, SANDSTONE)

**PROTEROZOIC**  
HADRINIAN  
[1] (INDS 04) KAZA GROUP: SANDSTONE, CONGLOMERATE, GRIT, PHYLLITE, SCHIST, AMPHIBOLITE, MARBLE, ONDITE

**PLUTONIC ROCKS**  
TERTIARY  
[2] (IGOR 42) GRANODIORITE, QUARTZ DIORITE, QUARTZ MONZONITE

**LOWER CRETACEOUS**  
[1] (DITM 36) MAVER AVIATION: QUARTZ MONZONITE, SYENITE, MONZONITE, GRANODIORITE, DIORITE

**UPPER TRIASSIC**  
[3] (IGOR 32) TADOMAKI BATHOLITH AND BODIES OF SIMILAR AGE AND LITHOLOGY: GRANODIORITE, MONZONITE

**PERMIAN AND/OR TRIASSIC**  
[1] (GPRN 21) TREMBLE INTRUSIONS AND SIMILAR BODIES: PERIDOTITE, DUNITE, PEGMATITE, SERPENTINITE

**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**  
Generated geology after Geological Survey of Canada Map 49-1980, Prince George, British Columbia, 1:500,000 scale, by M. J. Tipper, 1988 and Geological Survey of Canada Map 1249, Prince George, British Columbia, 1:100,000 scale, by M. J. Tipper, R. B. Campbell, G. C. Stott, and D. F. Stott, 1979, used to determine dominant sediment basin rock type for grouping of 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 940 (SIR (MRSR)) Assessment Reports, refer to Assessment Report Index Map (AR) (SIR (MRSR-DE)) Block Geochemical Mapping Reports, refer to Index to Block Geochemical Mapping, 1982, Mineral and Fuel Occurrence Maps, contact Ministry of Energy, Mines and Petroleum Resources, Titles Branch, for current editions.

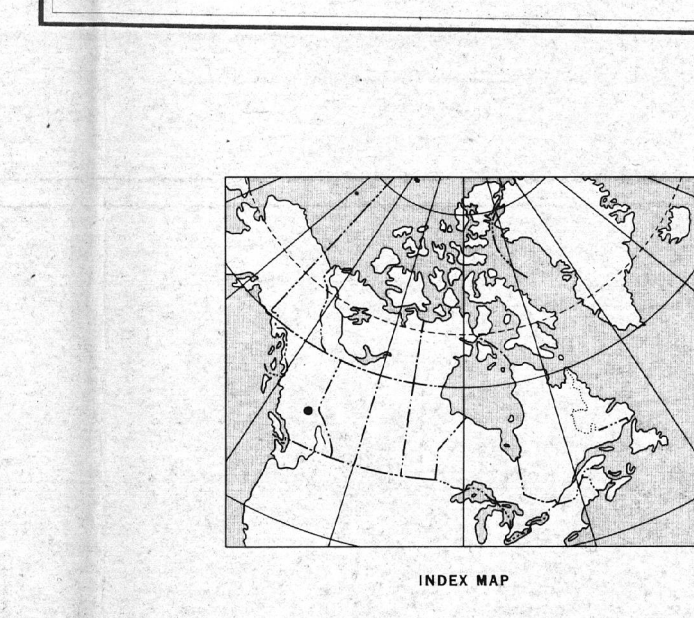
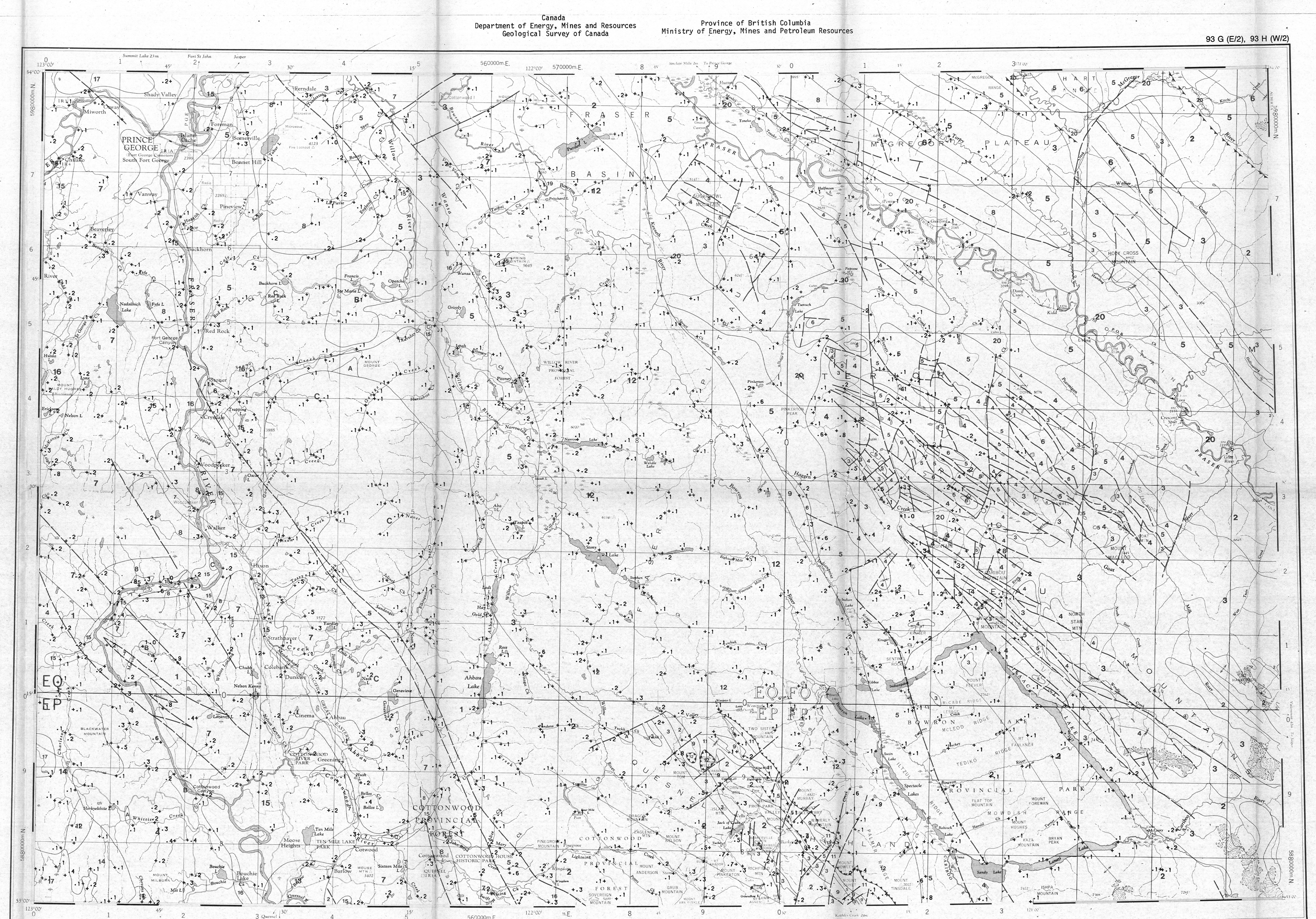
Geological Survey of Canada  
Resource Geophysics and Geochemistry Division  
Province of British Columbia  
Ministry of Energy, Mines and Petroleum Resources

**CONTRACTORS**  
Sample collection by McElhannay Surveying and Engineering Ltd., Vancouver  
Sample preparation by Golder Associates, Ottawa

Sediment chemical analyses by Barringer Magenta Ltd., Box 610 - Vancouver  
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:  
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880 Wellington St.  
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Ottawa, Ontario  
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The data are also available in digital form. For further information please contact:  
The Director  
Computer Science Centre  
Department of Energy, Mines and Resources  
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Elevation in feet above mean sea level

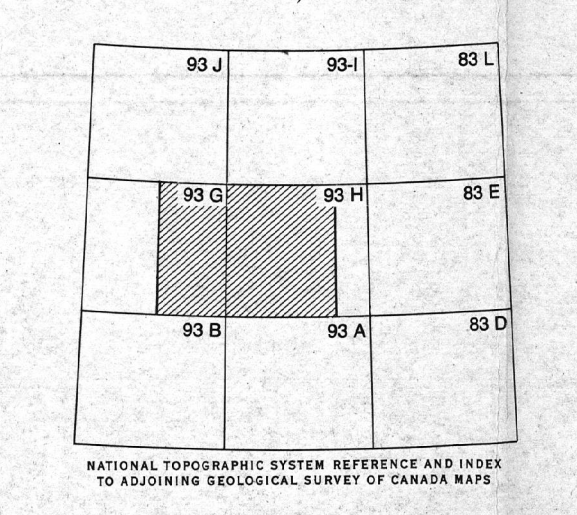
Mean magnetic declination 1985, 27°34' West, decreasing 9.9' annually. Readings vary from 26°41' in the SW corner to 28°27' in the NE corner of the map area

Scale 1:250 000

Vertical Transverse Mercator Projection  
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**ANTIMONY (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



**ANTIMONY (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  
[17] (TTL 44) TILL, GRAVEL, SAND, SILT, ALLUVIUM

**CRETACEOUS OR TERTIARY**  
UPPER CRETACEOUS OR PALEOCENE  
[19] (CUM 43) BROWN RIVER COAL BEDS, CONGLOMERATE, BRECCIA, SANDSTONE, SHALE, COAL

**JURASSIC**  
MIDDLE JURASSIC  
[9] (ANDS 34) HAZZLETON GROUP (PART) UNDIVIDED: BASALT, ANDESITE, TUFF, BRECCIA, GYPSUM, MUDSTONE, CONGLOMERATE

**TRIASSIC**  
UPPER TRIASSIC  
[2] (IPLT 20) BLACK PHYLITE, SILTSTONE, LIMESTONE, QUARTZITE

**MIDDLE AND UPPER TRIASSIC**  
[15] (LIMB 20) SPRAY RIVER GROUP, WHITENORSE FORMATION: LIMESTONE AND DOLOMITE

**LOWER AND MIDDLE TRIASSIC**  
[14] (LIMB 20) SLOPE MOUNTAIN FORMATION: SILTSTONE AND SILTY LIMESTONE

**MISSISSIPPIAN AND PERMIAN**  
[13] (LIMB 21) RUNDLE GROUP, ISHEL GROUP, BANFF FORMATION: LIMESTONE, SANDSTONE, LIMY SHALE, DOLOMITE, CHERT

**MISSISSIPPIAN**  
LOWER MISSISSIPPIAN AND/OR YOUNGER  
[12] (IBLT 21) SLOPE MOUNTAIN GROUP: AVULF FORMATION: PILLOW BASALT, BRECCIA, TUFF, MINOR DIORITE AND GABBRO, CHERT, ARGILLITE, LITHIC SANDSTONE

**LOWER MISSISSIPPIAN AND/OR OLDER**  
[11] (CUM 21) GOVEY FORMATION: GREENBERRY FORMATION: CONGLOMERATE, ARGILLITE, LITHIC SANDSTONE, CHONDRAL LIMESTONE

**DEVONIAN**  
UPPER AND MIDDLE DEVONIAN  
[10] (LIMB 18) PALLISER, SOUTHPEAK, ALEXO, PADRICK, MOUNT HARK, FLUME FORMATIONS: LIMESTONE, SHALE, SANDSTONE, SILTSTONE

**LOWER DEVONIAN AND YOUNGER**  
[9] (IBLT 18) BLACK STUART FORMATION: BASALT, CHERT, CHERT BRECCIA, DOLOMITE BRECCIA, UPPER UNIT: CHERY ARGILLITE, PHYLLITE, SANDY SILTSTONE

**SILURIAN**  
LOWER SILURIAN  
[8] (LIMB 16) KONGVA FORMATION: ALL OR IN PART: DOLOMITE, LIMESTONE, QUARTZITE, SHALE, GREENSTONE FLOWS AND SILLS

**ORDOVICIAN**  
UPPER AND MIDDLE ORDOVICIAN  
[7] (DILT 16) SOKO, MOWMAM, CHOSHINA FORMATIONS: DOLOMITE, LIMESTONE, SANDSTONE, SHALE, QUARTZITE

**CAMBRIAN**  
[6] (LIMB 12) LYNA, SOMER CREEK, ARCTOPUS, BARTFORD, HOVA-ADOLINE, TAYLOR, CHETANG, TITKANA FORMATIONS: SHALE, SILTY LIMESTONE, DOLOMITE, SANDSTONE, SILTSTONE, ARGILLITE, PHYLLITE

**LOWER CAMBRIAN AND HADRINIAN**  
[5] (IBLT 11) MAHO, MURAL, MIDAL, MANGUATH, YAKS PEAK FORMATIONS: QUARTZITE, LIMESTONE, SHALE, SILTSTONE, PHYLLITE, DOLOMITE, CONGLOMERATE

**HADRINIAN**  
[4] (LIMB 04) YANKEE BELLE, QUINQUANAM FORMATIONS: SHALE, LIMESTONE, SILTSTONE, DOLOMITE, PHYLLITE

**UPPER HADRINIAN**  
[3] (IPLT 04) METTE GROUP: ISAAC FORMATION: PHYLLITE, ARGILLITE, SCHIST, SANDSTONE, LIMESTONE, CONGLOMERATE

**MIDDLE HADRINIAN**  
[2] (IPCA 04) KAZA GROUP: SNOWSHOE FORMATION, MIDDLE METTE GROUP: FELDSPATHIC SANDSTONE, GRANULE CONGLOMERATE, SILTSTONE, ARGILLITE, PHYLLITE, SCHIST, LIMESTONE, MARBLE

**LOWER HADRINIAN**  
[1] (LIMB 04) LOWER METTE GROUP: ARGILLITE, PHYLLITE, SANDSTONE, LIMESTONE

**INTRUSIVE ROCKS**  
MISSISSIPPIAN OR YOUNGER  
[A] (GPRN 21) SERPENTINITE

**SYMBOLS**  
GEOLOGICAL BOUNDARY - MAPPED, ASSUMED  
FAULT MAPPED, ASSUMED  
THRUST FAULT (TEETH ON HANGINGWALL) MAPPED, ASSUMED  
ANTICLINAL AXIS  
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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: 18 for stream sediment, 3 for stream water and 1 sample site location.

This map has been reproduced from a scanned version of the original map. Reproduction may contain minor errors due to scanning.

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