

- QUATERNARY**
- PLEISTOCENE AND RECENT
- 29 Qs 64\* Glacial and surficial deposits
  - 28 Rs 64 SELKIRK GROUP: basalt, andesite flows, breccia, tuff
- TERTIARY**
- MIOCENE
- 27 Mvr 61 Rhyolite, trachyte
- LATE TERTIARY
- 26 Ltg 61 Rhyolite porphyry, granite, granodiorite
- OLIGOCENE AND MIOCENE
- 25 OMCV 60 CARMACKS GROUP: andesite, basalt, breccia
- EARLY TERTIARY
- 24 ETf 59 Granite and syenite porphyry, rhyolite
- LOWER TERTIARY
- 23 ItS 58 Conglomerate, sandstone, shale
- CRETACEOUS**
- 22 Ky 52 Syenite, monzonite
  - 21 Kg 52 Granite
  - 20 KSF 52 SOUTH FORK: andesite, dacite, basalt
  - 19 Kqm 52 Quartz monzonite, granodiorite; CASSIAR quartz monzonite, alaskite
- JURASSIC AND CRETACEOUS**
- 18 JKKH 51 KENO HILL: quartzite (may be older)
  - 17 JKdi 51 Diorite, hornblende diorite
  - 16 Jkb 51 Gabbro, diorite, some ultramafic rocks
- JURASSIC**
- 15 Jp 47 Graphitic phyllite, quartzite, greenstone
- MESOZOIC**
- 14 Mcg 41 Conglomerate, chert, tuff
  - 13 Mvd 41 Andesite, trachyte
- PALEOZOIC**
- 12 Ps 36 Greywacke, argillite, limestone; includes local basic volcanics and volcanoclastic sediments
- CARBONIFEROUS AND PERMIAN**
- 11 CPav 35 ANVIL RANGE GROUP: andesite, basalt, slate, chert, limestone
  - 10 CPsn 35 Schist, gneiss, includes BIG SALMON METAMORPHIC COMPLEX
- DEVONIAN AND MISSISSIPPIAN**
- 9 DMCP 29 CRYSTAL PEAKS: chert pebble conglomerate
- DEVONIAN**
- 8 DEI 25 EARN GROUP (lower): slate, quartzite, limestone
- ORDOVICIAN, SILURIAN AND LOWER DEVONIAN**
- 7 OSOR 19 ROAD RIVER: black graptolitic shale, chert
- PALEOZOIC**
- 6 PgdN 09 PELLY GNEISS: foliated to gneissic granodiorite
  - 5 Pc 09 Limestone
- HADRYNIAN**
- 4 Hc 07 Crystalline limestone
  - 3 Hqp 07 Gritty quartzite, argillite, shale, phyllite
  - 2 Hpq 07 Graphitic phyllite, quartzite
  - 1 Hv 07 Greenstone

**SURFICIAL GEOLOGY**

**Q** Undivided surficial deposits, includes unconsolidated gravels, sands, silt, alluvium, colluvium, till, glaciofluvial deposits, kames, eskers and outwash deposits

**R** Bedrock; includes discontinuous veneer of undivided glacial drift

**SYMBOLS**

Surficial deposit boundary .....

Limit of ice advance .....

Major meltwater channels, indicating direction of flow .....

Drumlinoid form; direction of glacial movement inferred, not inferred .....

Sources of information:

Bostock, H.S. (1947) Geology - Mayo, Yukon Territory; Geological Survey of Canada, Map 890A, Scale 1: 253,440

Hughes, O.L., Campbell, R.B., Muller, J.E., and Wheeler, J.O. (1969) Glacial Map of Yukon Territory - South of 65 degrees north latitude; Geological Survey of Canada Map 6-1969; Scale 1: 1,000,000

Prest, V.K., Grant, D.R., and Rampton, V.N. (1967) Glacial Map of Canada, Geological Survey of Canada Map 1253A; Scale 1: 5,000,000

**GEOLOGICAL SURVEY OF CANADA  
MINERAL RESOURCES DIVISION  
EXPLORATION GEOCHEMISTRY SUBDIVISION**

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**SYMBOLS**

Geological boundary .....

Fault .....

No analytical results .....

Field duplicate site .....

Geology base and legend are derived from:  
Gabrielse, H., Tempelman-Kluit, D.J., Blusson, S.L., and Campbell, R.B. (1980) Map 1398A, MacMillan River, Yukon - District of Mackenzie - Alaska, NTS Map area 105, Geological Survey of Canada: Energy, Mines and Resources Canada, Scale 1:1,000,000

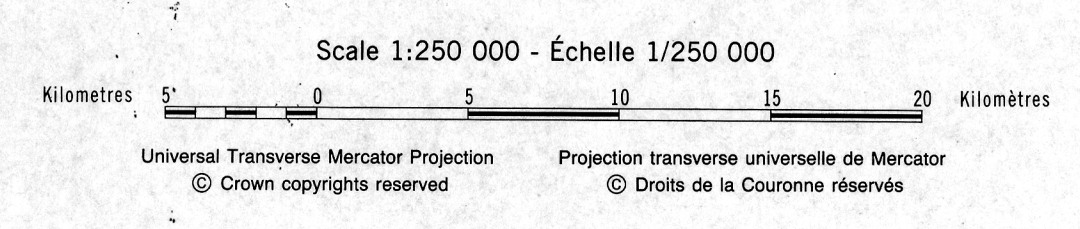
Contribution to the Canada/Yukon Subsidiary Agreement on Mineral Resources 1985-1989 under the Canada/Yukon Economic Development Agreement

Contribution à l'Entente auxiliaire Canada/Yukon sur l'exploitation minière 1985-89 dans le cadre de l'Entente Canada/Yukon sur le développement économique.



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**SAMPLE LOCATION  
STREAM SEDIMENTS**  
GSC OPEN FILE 1962  
REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 125-88  
CANADA - YUKON  
MINERAL DEVELOPMENT AGREEMENT (1985-1989)  
STREAM SEDIMENT AND WATER GEOCHEMICAL SURVEY  
CENTRAL YUKON, 1988



116 A	106 D	106 C
O.F. 618	O.F. 618	
115 P	105 M	105 N
O.F. 1660	O.F. 1962 NGR 125- 1988	
115 I	105 L	105 K
O.F. 1220	O.F. 1981 NGR-124-1988	

Elevation in feet above mean sea level

Magnetic declination at the center of the map area (63°30'N; 135°E) in 1989 is 31°28'E decreasing 12.5' annually. Magnetic declination ranges from 30°36'E, decreasing 11.8' annually, in the southwest corner of the map area, to 31°43'E, decreasing 12.3' annually, in the northeast corner of the map area.