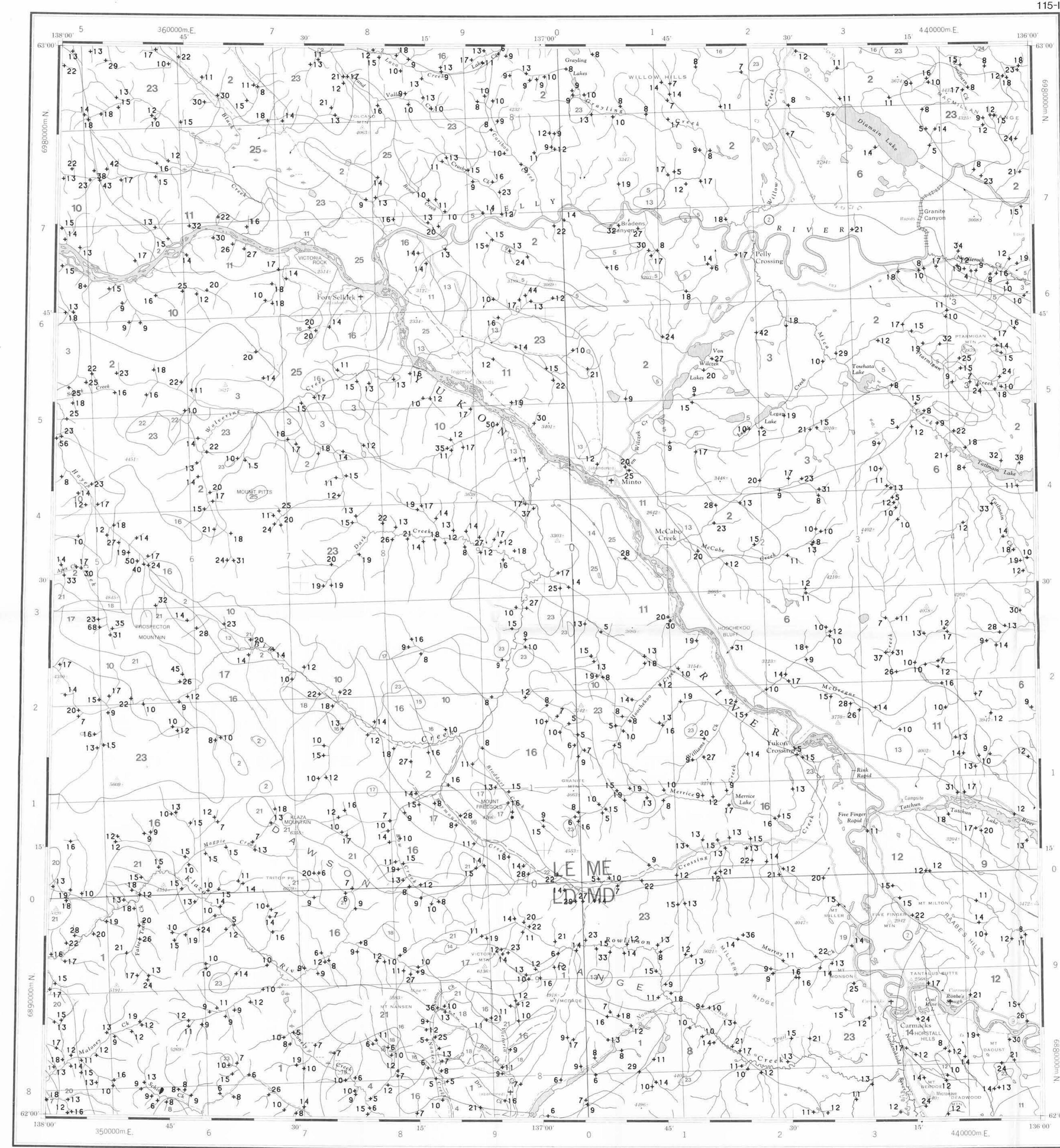


- SYMBOLS**
- Undivided surficial deposits; alluvium, glacial till and moraine, outwash and ice contact deposits, volcanic ash, loess, colluvium
  - Glaciers and permanent snowfields
  - Bedrock exposures; includes discontinuous veneer of undivided glacial drift

- SYMBOLS**
- Surficial deposit boundary
  - Limit of Pre-Reid ice advance
  - Limit of McConnell (Ruby) ice advance
  - Meltwater channels, outwash deposits, indicating direction of flow
  - Glaciation lineation parallel to ice flow direction, includes fluting, crag and tail, roches moutonnées and drumlinoid forms, direction of flow indicated
  - Drumlinoid form, direction of movement inferred, not inferred

Sources of information:  
 Bostock, H.S. (1936) Geology - CARMACKS SHEET, Yukon Territory, Canada Department of Mines, Bureau of Economic Geology, Geological Survey, Map 340A (1:253,440 scale)  
 Hughes, O.L., Campbell, R.B., Muller, J.E., and Wheeler, J.O. (1968) Glacial Map of Yukon Territory, Geological Survey of Canada, Map 6-1968, (1:1 000 000 scale) to accompany GSC Paper 68-34  
 Prest, V.K., Grant, D.R., and Rampton, V.N. (1967) Glacial Map of Canada, Geological Survey of Canada (1:5 000 000 scale)



- LEGEND**
- QUATERNARY**
- RECENT
- 25 RS 64\* Basalt, andesite flows, breccia, tuff
- TERTIARY**
- LATE TERTIARY
- 24 LT6 62 Rhyolite porphyry, granite, granodiorite
- OLIGOCENE AND MIOCENE
- CARMACKS GROUP
  - 23 OMCV 60 Andesite, basalt, breccia
- OLIGOCENE
- CARMACKS GROUP
  - 22 OCS 60 Conglomerate, sandstone, shale
- Eocene
- MOUNT NANSEN GROUP
  - 21 EMN 59 Acid to intermediate tuff, breccia
- LOWER TERTIARY
- 20 TFP 58 Feldspar porphyry dykes, flows
  - 19 TVB 58 Basalt
- EARLY TERTIARY
- 18 ETF 57 Granite and syenite porphyry, rhyolite
- CRETACEOUS**
- 17 KY 52 Syenite, monzonite
  - 16 KQM 52 Quartz monzonite, granodiorite; CASSIAR quartz monzonite, alaskite
- JURASSIC AND CRETACEOUS**
- DEZADEASH GROUP
- 15 JKD 51 Argillite, greywacke, conglomerate, volcanics
  - 14 JKT 51 TANTALUS: Conglomerate, siltstone, arkose, coal
  - 13 JKD1 51 Diorite, hornblende diorite
- JURASSIC**
- LABERGE GROUP
- 12 JL 47 Greywacke, arkose, conglomerate
- TRIASSIC**
- 11 TV 42 Basaltic greenstone
  - 10 TGDN 42 Foliated hornblende granodiorite, quartz
- UPPER TRIASSIC**
- LEWES RIVER GROUP
- 9 UTC 45 Limestone
- MESOZOIC UNDIVIDED**
- 8 MQM 41 Porphyritic quartz monzonite
  - 7 MGD 41 Granodiorite, quartz monzonite
  - 6 MGDN 41 Foliated hornblende granodiorite, quartz monzonite
- PALEOZOIC UNDIVIDED**
- 5 PC 09 Limestone
  - 4 PM 09 Amphibolite, schist, gneiss
  - 3 PGDN 09 PELLY GNEISS: Foliated to gneissic granodiorite
- CARBONIFEROUS AND PERMIAN**
- 2 CPSN 35 Schist, gneiss, includes BIG SALMON METAMORPHIC COMPLEX
- HADRYNIAN AND CAMBRIAN**
- 1 HCSN 08 Schist, gneiss, quartzite

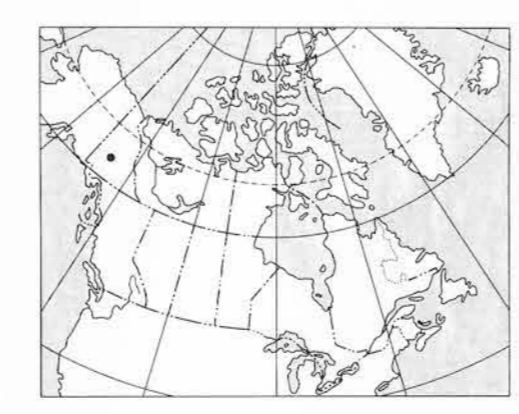
\*A mnemonic code assigned to rock types and recorded as part of field observations

Geological boundary . . . . .

Fault . . . . .

No analytical result . . . . .

Geological base and legend are derived from: Map 1398A, MACMILLAN RIVER, YUKON - DISTRICT OF MACKENZIE - ALASKA, NTS SHEET 105, 115. Compiled by H. Gabrielse, D.J. Tempelman-Kluit, S.L. Blusson and R.B. Campbell, Geological Survey of Canada, Energy, Mines and Resources Canada, 1980. 1:1 000 000 scale



**COPPER (ppm)**  
 GSC OPEN FILE 1220  
 REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 85-1985  
 CANADA-YUKON  
 MINERAL DEVELOPMENT AGREEMENT (1984-89)  
 STREAM SEDIMENT AND WATER GEOCHEMICAL SURVEY  
 SOUTHERN YUKON TERRITORY, 1995

Elevation in feet above mean sea level

Mean magnetic declination 1996, 30°25' East, decreasing 13.6' annually. Readings vary from 30°14' E in the SE corner to 30°36' E in the NW corner of the map area

Scale 1:250 000

Universal Transverse Mercator Projection  
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Base map at the same scale published by the Surveys and Mapping Branch in 1974. Streams were revised by the Geological Survey of Canada for this edition