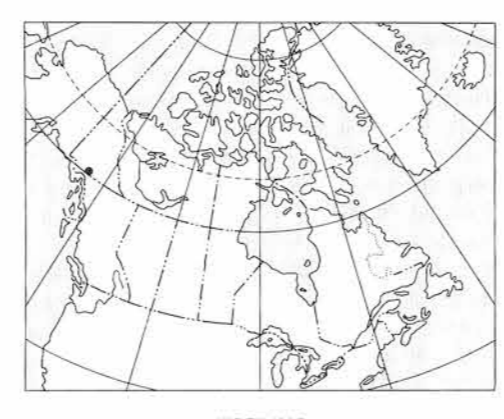


- SYMBOLS**
- Glacialacustrine deposits
 - Undivided surficial deposits; alluvium, glacial till and moraine, outwash and ice contact deposits, volcanic ash, loess, colluvium
 - Bedrock exposures; includes discontinuous veneer of undivided glacial drift, local alpine glaciation features
- Surficial deposit boundary
- 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 known, unknown
- Drumlinoid form, direction of movement inferred, not inferred
- Glacial striae, direction inferred
- Esker and/or kame complex
- Boulder train, direction of movement

Sources of information:
 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.W. (1967) Glacial Map of Canada, Geological Survey of Canada (1:5 000 000 scale)
 Wheeler, J.O. (1960) Geology - WHITEHORSE, Yukon Territory, Geological Survey of Canada, Map 1093A (1:253 440 scale)

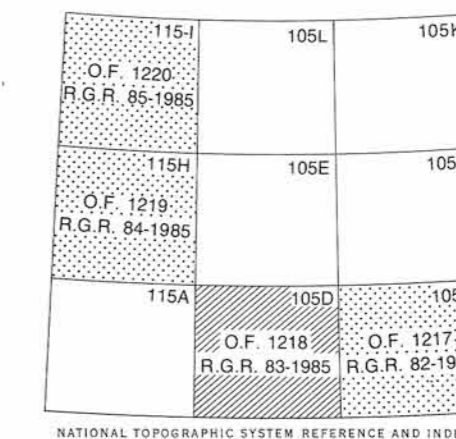
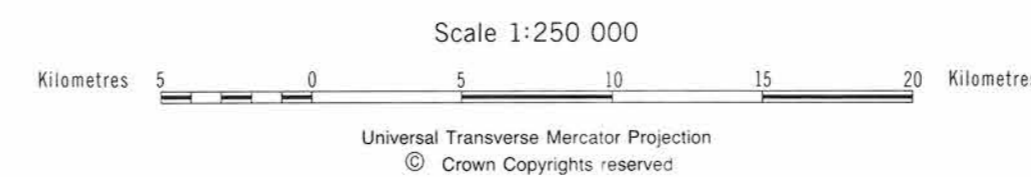


Elevation in feet above mean sea level

Mean magnetic declination 1986, 29°18' East, decreasing 14.2' annually. Readings vary from 29°06' E in the SE corner to 22°29' E in the NW corner of the map area

URANIUM in water (ppb)
 GSC OPEN FILE 1218
 REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 83-1985
 CANADA-YUKON
 MINERAL DEVELOPMENT AGREEMENT (1984-89)
 STREAM SEDIMENT AND WATER GEOCHEMICAL SURVEY
 SOUTHERN YUKON TERRITORY, 1985

Base map at the same scale published by the Surveys and Mapping Branch in 1979. Streams were revised by the Geological Survey of Canada for this edition



LEGEND

| | | | |
|---------------------------|----|---------|--|
| QUATERNARY | 35 | RM 64* | MILES CANYON: Basalt |
| | 32 | QS 64 | Glacial and surficial deposits |
| TERTIARY | 31 | TQM 62 | Quartz monzonite, granodiorite |
| LATE TERTIARY | 30 | LTG 62 | Rhyolite porphyry, granite, granodiorite |
| PLIOCENE | 29 | PV 62 | Basalt |
| EOCENE | | | |
| MOUNT NANSEN GROUP | 28 | EMN 59 | Acid to intermediate tuff, breccia |
| SKUKUM GROUP | 27 | ESK 59 | Andesite, basalt, breccia |
| SLOKO GROUP | 26 | ESL 59 | Rhyolite, trachyte |
| CRETACEOUS AND TERTIARY | 25 | KTG 56 | Granite, quartz monzonite |
| | 24 | KTGD 56 | Granodiorite, quartz diorite |
| | 23 | KTQD 56 | Tonalite |
| CRETACEOUS | 22 | KY 52 | Syenite, monzonite |
| | 21 | KQM 52 | Quartz monzonite, granodiorite; CASSIAR quartz monzonite, alaskite |
| | 20 | KGD 52 | Granodiorite |
| | 19 | KV 52 | Basalt, andesite, quartz dacite |
| JURASSIC AND CRETACEOUS | 18 | JKD1 51 | Diorite, hornblende diorite |
| | 17 | JKT 51 | TANTALUS: Conglomerate, siltstone, arkose, coal |
| JURASSIC | 16 | JL 47 | Greywacke, arkose, conglomerate |
| TRIASSIC AND JURASSIC | 15 | TJS 46 | Argillite, sandstone, siltstone |
| TRIASSIC | 14 | TGDN 42 | Foliated hornblende granodiorite, quartz |
| UPPER TRIASSIC | | | |
| | 13 | UTLW 45 | Greywacke, argillite, conglomerate |
| | 12 | UTC 45 | Limestone |
| | 11 | UTLV 45 | Andesite, basalt |
| MESOZOIC UNDIVIDED | 10 | MGD 41 | Granodiorite, quartz monzonite |
| | 9 | MGDN 41 | Foliated hornblende granodiorite, quartz monzonite |
| | 8 | MV 41 | Andesite, basalt, tuff |
| PALEOZOIC UNDIVIDED | 7 | PGDN 09 | PELLY GNEISS: Foliated to gneissic granodiorite |
| CARBONIFEROUS AND PERMIAN | 6 | CPH 35 | HORSEFEED: Limestone |
| | 5 | CPK 35 | KEDAHDA: Chert, argillite |
| | 4 | CPV 35 | Andesite, basalt, chert, tuff |
| | 3 | CPUB 35 | Serpentine, diorite, pyroxenite, peridotite |
| HADRYNIAN AND CAMBRIAN | 2 | HCSN 08 | Schist, gneiss, quartzite |
| HADRYNIAN | 1 | HC 07 | Crystalline limestone |

*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, MACKILLAN 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