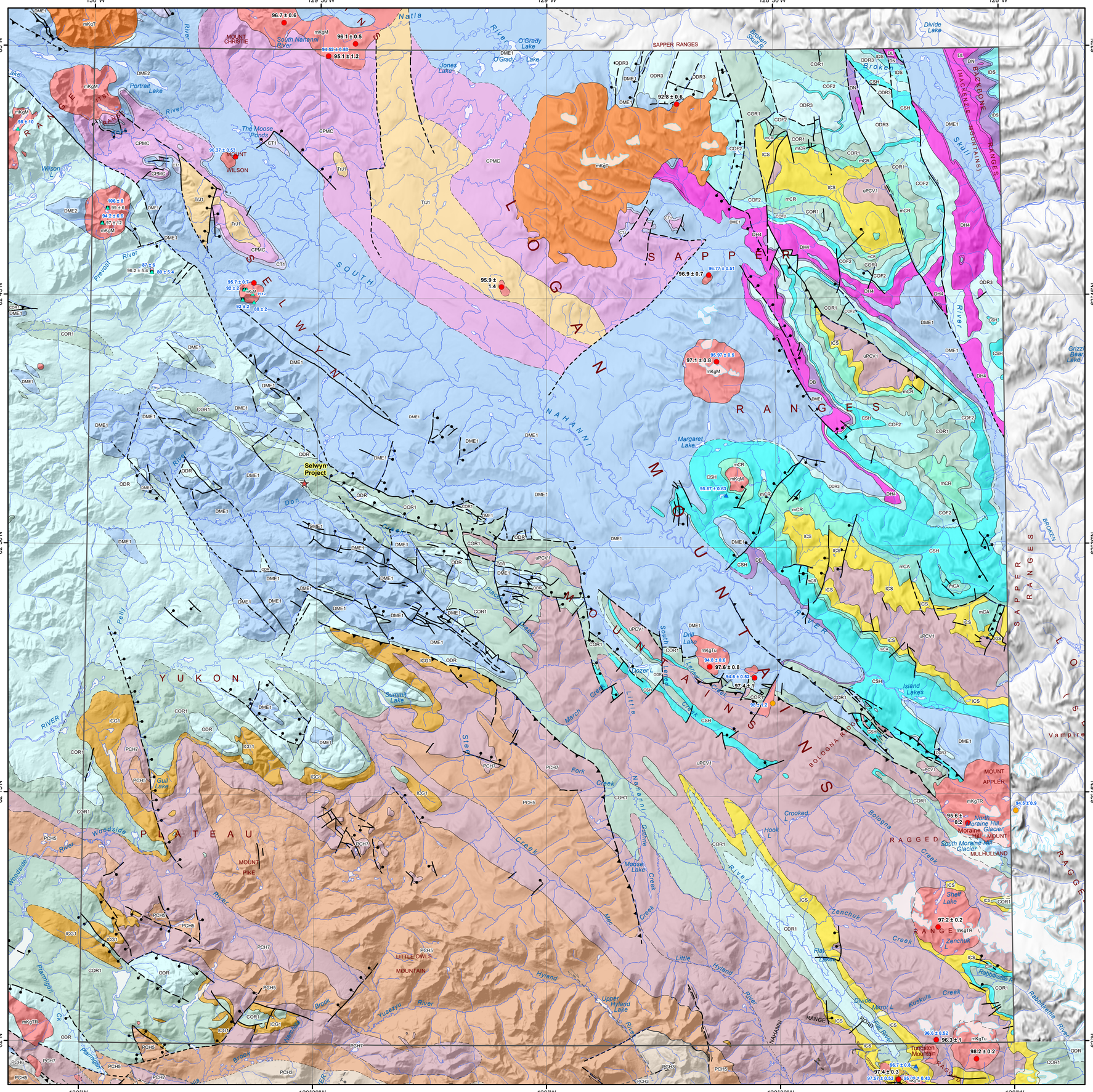
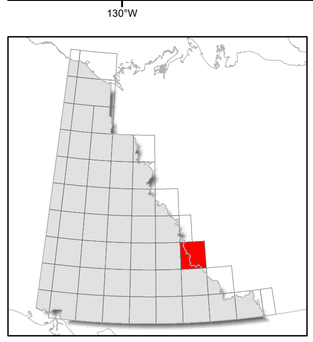
Yukon Geological Survey

Yukon



*1:250 000-scale base data produced by CENTRE FOR TOPOGRAPHIC INFORMATION, NATURAL RESOURCES CANADA*



*30 metre shaded relief from Geomatics Yukon www.geomaticsyukon.ca*

# BEDROCK GEOLOGY
# LITTLE NAHANNI RIVER (105I)
## YUKON

0 5 10 15 20 25
kilometres

*These maps contain the most current bedrock geology information in Yukon. All geological data are from the Yukon Geological Survey and available free of charge. Data are from recent mapping, regional compilations and thesis work.*

*The geological data used to create these maps can be downloaded at https://data.geology.gov.yk.ca/Compilation/3.*

*These maps are subject to periodic updates. This map was last updated in February 2022.*

*The Yukon Geological Survey welcomes any revisions or new geological information. Any questions or comments can be directed to geology@gov.yk.ca.*

*Note: legend contains geological information for the map extent and not the surrounding area.*

### MINERAL OCCURRENCE

- Deposit
- Historic Deposit
- Significant exploration project

### GEOCHRONOLOGY METHOD

- U/Pb, Zircon
- U/Pb, Other
- Ar/Ar
- K/Ar

### MID-CRETACEOUS

- mKqM: MAYO SUITE: Bt granite; K-feldspar porphyritic granite
- mKgM: MAYO SUITE: Hbl > Bt (± Cpx) quartz monzonite or monzodiorite
- mKgTu: TUNGSTEN SUITE: K-feldspar porphyritic Bt monzogranite and leucogranite
- mKgTR: TAY RIVER SUITE: granodiorite
- mKqT: TOMBSTONE SUITE: Bt-Hbl clinopyroxene granite
- mKgT: TOMBSTONE SUITE: quartz monzonite, granodiorite, quartz diorite

### MIDDLE TO UPPER TRIASSIC

- TrJ1: JONES LAKE: calcareous siltstone, shale, and fine sandstone

### CARBONIFEROUS TO PERMIAN

- CPMC: MOUNT CHRISTIE: burrowed, interbedded greenish grey cherty shale and green shale

### CARBONIFEROUS

- CT1: TSICHU/KENO HILL: massive to thick-bedded quartz arenite

### DEVONIAN AND MISSISSIPPIAN

- DME2: EARN: silvery blue weathering black shale, argillite, cherty argillite and chert
- DME1: EARN: laminated slate, fine to medium-grained chert-quartz arenite and wacke

### MIDDLE DEVONIAN

- DN: NATLA: dark grey weathering, platy, thin-bedded, recessive sooty limestone
- DH4: FUNERAL: buff-orange weathering thin to medium-bedded silty limestone
- DH2: NAHANNI: thick-bedded, fine to medium-grained, light grey weathering limestone
- DH1: HEADLESS: buff-brown weathering argillaceous to silty, fine-grained limestone
- DL: LANDRY: thin to very thick bedded, resistant, crypto-grained limestone
- DA: ARNICA: dark grey to black commonly laminated dolostone

### UPPER LOWER TO LOWER MIDDLE DEVONIAN

- DB: GRIZZLY BEAR: limestone, white grey weathering, cliff forming

### LOWER DEVONIAN

- IDS: SOMBRE: light and medium grey, even bedded, fine grained dolostone

### ORDOVICIAN TO LOWER DEVONIAN

- ODR: ROAD RIVER - SELWYN: black shale and chert, dolomitic siltstone, calcareous shale, buff platy limestone
- ODR3: SAPPER - SELWYN: blue-grey weathering, black limestone
- ODR1: DUO LAKE/ELMER CREEK - SELWYN: black graptolitic shale and black chert

### UPPER CAMBRIAN TO SILURIAN

- CSH: HAYWIRE: medium to thick bedded, white to dark-grey dolostone, locally cherty

### UPPER CAMBRIAN AND ORDOVICIAN

- COR1: RABBITKETTLE: thin-bedded, silty limestone and grey lustrous calcareous phyllite
- COF2: BROKEN SKULL: well-banded, rhythmically bedded, grey and buff-orange dolostone

### MIDDLE CAMBRIAN

- mCA: AVALANCHE: dolostone, silty dolostone, dolomitic siltstone, dolomitic mudstone
- mCR: ROCKSLIDE: platy calcareous shale and silty, dark grey limestone

### LOWER CAMBRIAN

- ICG1: GULL LAKE: shale, siltstone and mudstone, minor quartz sandstone
- ICS: SEKWI: limestone, locally wavy bedded and nodular

### NEOPROTEROZOIC TO LOWER CAMBRIAN

- uPCV1: VAMPIRE: dark grey to pale green phyllite, siltstone, sandstone
- PCB2: BACKBONE: banded limestone and dolostone, locally silty, sandy or pebbly
- PCH7: NARCHILLA: interbedded maroon and apple-green slate, siltstone, sandstone
- PCH6: ALGAE: grey weathering, very fine crystalline limestone, locally sandy
- PCH5: YUSEZYU: brown to pale green shale, quartz-rich sandstone, grit, pebble conglomerate
- PCH4: TILLEI: medium to dark grey, commonly fetid limestone; brownish-grey silty/sandy limestone
- PCH3: TILLEI: brown weathering, semi-pelitic, psammitic, and pelitic schist; phyllite