Yukon Geological Survey

Yukon

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

- mKgH: HYLAND RIVER SUITE: Bt granodiorite and monzogranite
- mKgTu: TUNGSTEN SUITE: K-feldspar porphyritic Bt monzogranite and leucogranite
- mKTR: TAY RIVER SUITE: undivided granodiorite, monzogranite
- mKgTR: TAY RIVER SUITE: granodiorite
- mKgT: TOMBSTONE SUITE: quartz monzonite, granodiorite, quartz diorite

PERMIAN

- PF1: FANTASQUE: chert with thin beds of shale; grey sandstone and mudstone

CARBONIFEROUS

- CM: MATTSON: undivided sandstone, limestone, shale, coal

DEVONIAN AND MISSISSIPPIAN

- DMBR: BESA RIVER: black, brown and green shale and argillite; cherty argillite

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 ORDOVICIAN AND SILURIAN

- OSK2: WHITTAKER/NONDA: thick-bedded, laminated dolostone, chert, argillaceous limestone

MIDDLE ORDOVICIAN

- OS: SUNBLOOD: mainly dolostone and limestone
- OS1: SUNBLOOD: platy dolostone and limestone

UPPER CAMBRIAN AND ORDOVICIAN

- COR1: RABBITKETTLE: thin-bedded, silty limestone and grey lustrous calcareous phyllite
- COOC: OTTER CREEK: light grey, fine-grained, indistinctly bedded, resistant limestone
- COC2: CROW: basaltic lapilli tuff and breccia, pillowed flows
- COC1: CROW: cream to pink, quartzose to subarkosic sandstone
- COF2: BROKEN SKULL: well-banded, rhythmically bedded, grey and buff-orange dolostone

MIDDLE CAMBRIAN

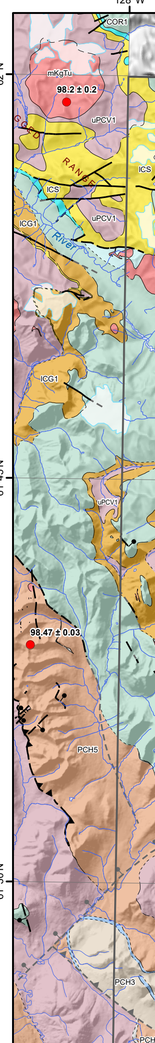
- mCA: AVALANCHE: dolostone, silty dolostone, dolomitic siltstone, dolomitic mudstone

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
- PCB1: BACKBONE: thick-bedded, medium to coarse-grained orthoquartzite
- 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



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
FLAT RIVER (095E)
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.