

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

**MINERAL OCCURRENCE**

- ★ Deposit
- ☆ Historic Deposit
- Significant exploration project

**TERTIARY(?) AND**

TQS: SELKIRK: columnar jointed, vesicular to massive basalt flows

**PALEOCENE TO LOWER EOCENE**

PRC1: RHYOLITE CREEK: light grey, green, maroon, purple and black rhyolite and dacite

**LOWER TERTIARY, MOSTLY(?) EOCENE**

ITR2: ROSS: rhyolite flows, tuff, ash-flow tuff and breccia

**LATE CRETACEOUS TO TERTIARY**

LkP: PROSPECTOR MOUNTAIN SUITE: coarsely crystalline gabbro and diorite

LKqP: PROSPECTOR MOUNTAIN SUITE: Hbl-Bt granodiorite, Hbl diorite, quartz diorite

LkYP: PROSPECTOR MOUNTAIN SUITE: syenite

LkIP: PROSPECTOR MOUNTAIN SUITE: quartz-feldspar porphyry

LKqC: CASINO SUITE: quartz monzonite, quartz-rich Bt granite

LKIC: CASINO SUITE: quartz-feldspar porphyry

**MID-CRETACEOUS**

mKW: WHITEHORSE SUITE: quartz-feldspar porphyry; feldspar-hornblende porphyry

mKdW: WHITEHORSE SUITE: Hbl diorite, Bt-Hbl quartz diorite

mKgW: WHITEHORSE SUITE: Bt-Hbl granodiorite, Hbl quartz diorite and Hbl diorite

mKqW: WHITEHORSE SUITE: Bt quartz monzonite, Bt granite and leucogranite

mKN: MOUNT NANSEN: massive aphyric or feldspar-phyric andesite to dacite flows

**UPPER CRETACEOUS**

uKC5: CARMACKS: gabbro and monzonite bodies

uKC4: CARMACKS: sandstone, pebble conglomerate, shale, tuff, and coal

uKC3: CARMACKS: acid vitric crystal tuff, lapilli tuff and welded tuff

uKC2: CARMACKS: andesite, porphyry

uKC1: CARMACKS: augite-olivine basalt and breccia

uKT: TLANSANLIN: basalt, basaltic andesite, PI and Hbl-phyric andesite, dacite, lapilli tuff

**UPPER JURASSIC AND LOWER CRETACEOUS**

JKT: TANTALUS: chert pebble conglomerate and gritty quartz-chert-feldspar sandstone

**LATE JURASSIC**

LJqM: MCGREGOR SUITE: Ms-Bt granodiorite

LJgM: MCGREGOR SUITE: Hbl-Bt (± Ep) granodiorite and quartz monzonite

**LOWER AND MIDDLE JURASSIC, HETTANGIAN TO BAJOCIAN**

JL2: TANGLEFOOT: arkosic sandstone and minor shale, pebble and boulder conglomerate

**LOWER JURASSIC, PLEINSBACHIAN TO TOARCIAN**

LJN: NORDENSKIOLD: khaki-green dacite crystal tuff and volcanoclastic sandstone

**EARLY JURASSIC**

EJqL: LONG LAKE: Bt, Bt-Ms and Bt-Hbl quartz monzonite to granite

EJgL: LONG LAKE SUITE: massive to weakly foliated Bt-Hbl granodiorite

**GEOCHRONOLOGY METHOD**

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

EJqL: LONG LAKE SUITE: coarse to very coarse grained and porphyritic, mesocratic Hbl syenite

LTrEJgM: MINTO SUITE: Bt-Hbl granodiorite, locally foliated; local Bt-rich screens and gneissic schlieren

**LATE TRIASSIC TO EARLY JURASSIC**

LTrP: PYROXENE MTN SUITE: coarse-grained, foliated Hbl gabbro, pyroxenite

**UPPER TRIASSIC, CARNIAN TO RHAETIAN**

uTrAK2: HANCOCK: massive to thick-bedded limestone

uTrS1: SEMENOF: augite-phyric basalt flow and agglomerate, andesite

**UPPER TRIASSIC, CARNIAN AND OLDER (?)**

uTrP: POVOAS: augite or feldspar-phyric andesitic basalt flows, breccia, tuff, sandstone, argillite

uTrP?: POVOAS: augite or feldspar-phyric andesitic basalt flows, breccia, tuff, sandstone, argillite

uTrPm: POVOAS?: variably migmatized amphibolite and Qtz-pl-bt schist; rafts in Jurassic plutons

**MIDDLE TO LATE PERMIAN**

PqS: SULPHUR CREEK SUITE: variably foliated, K-feldspar augen granite, metaporphyry

**MIDDLE PERMIAN**

PDC2: DAWSON-CLINTON CREEK: brown weathering, variably serpentinized ultramafic rocks

**UPPER CARBONIFEROUS, LOWER AND MIDDLE PENNSYLVANIAN**

uCB3: BOSWELL: micritic limestone, bioclastic limestone, marble

uCB1: BOSWELL: siliceous argillite, siltstone, sandstone, chert conglomerate, volcanic breccia

PngK: KELLY SUITE: strongly foliated Hbl ± Bt tonalite, Hbl diorite to granodiorite

**MISSISSIPPIAN**

MqT: TATLMAIN SUITE: variably foliated to unfoliated, coarse-grained granite

MqSR: SIMPSON RANGE SUITE: foliated metagranite, quartz monzonite and granodiorite; augen granite

MqSR: SIMPSON RANGE SUITE: Hbl-bearing metagranodiorite, metadiorite and metatonalite

**DEVONIAN, MISSISSIPPIAN AND(?)**

uDM6: MOOSE?: coarse-grained metaproxenite, metagabbro, serpentinite

uDM3: MOOSE: intermediate metavolcanic and metavolcanoclastic rocks

uDM1: MOOSE: massive and pillow basalt, amphibolite and greenstone

DMF6: FINLAYSON: ultramafic rocks, serpentinite; metagabbro

DMF5: FINLAYSON: light grey to white marble, locally crinoidal

DMF4: FINLAYSON: light green to grey, fine-grained siliciclastic and metavolcanoclastic rocks

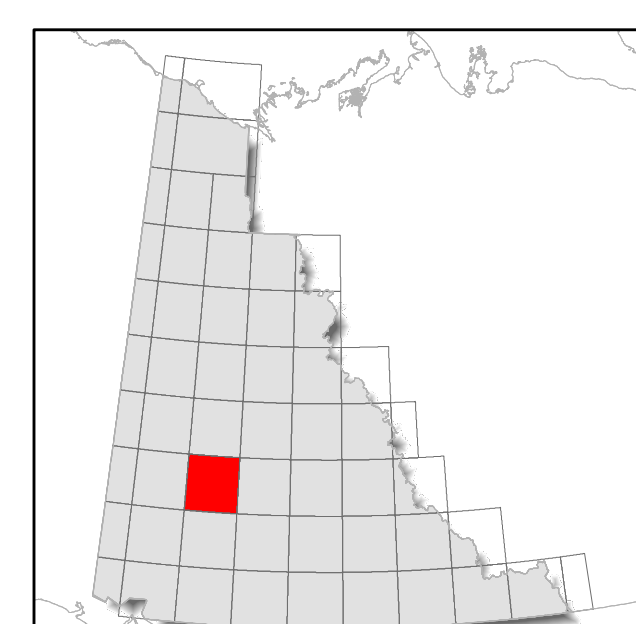
DMF1: FINLAYSON: intermediate to mafic volcanic and volcanoclastic rocks

**NEOPROTEROZOIC AND**

PDS3: SNOWCAP: amphibolite, commonly garnet-bearing; greenstone

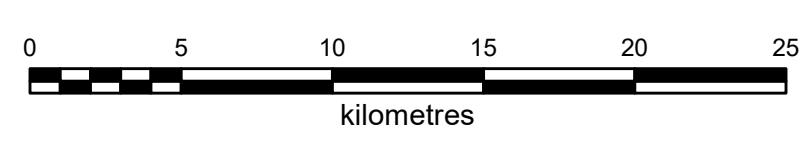
PDS2: SNOWCAP: light grey to buff weathering marble

PDS1: SNOWCAP: quartzite, psammite, pelite and marble; minor greenstone and amphibolite



1:250 000-scale base data produced by CENTRE FOR TOPOGRAPHIC INFORMATION, NATURAL RESOURCES CANADA  
Copyright Her Majesty the Queen in Right of Canada  
30 metre shaded relief from Geomatics Yukon  
www.geomaticsyukon.ca

**BEDROCK GEOLOGY CARMACKS (115I) YUKON**



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](mailto:geology@gov.yk.ca).