

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

TERTIARY(?) AND QUATERNARY

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

PLIOCENE

- PW1: WALSH: resistant, white weathering, massive rhyolite

PALEOCENE TO LOWER EOCENE

- PRC1: RHYOLITE CREEK: light grey, green, maroon, purple and black rhyolite and dacite
- PgR: RUBY RANGE SUITE: Bt-Hbl granodiorite (locally K-feldspar megacrystic)

LOWER TERTIARY, MOSTLY(?) EOCENE

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

LATE CRETACEOUS TO TERTIARY

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

LATE CRETACEOUS

- LKqR: RANCHERIA SUITE: Bt granodiorite, tonalite, monzogranite

MID-CRETACEOUS

- mKqC: CASSIAR SUITE: Bt ± Hbl ± titanite-bearing monzogranite to granodiorite
- mKqW: WHITEHORSE SUITE: Bt quartz monzonite, Bt granite and leucogranite
- mKqS: SEAGULL SUITE: Bt (± Ms) leucogranite to monzogranite
- mKN: MOUNT NANSEN: massive aphyric or feldspar-phyric andesite to dacite flows

EARLY CRETACEOUS

- EKgT: TESLIN SUITE: Hbl-Bt granite, granodiorite, quartz monzonite, quartz monzodiorite
- EKgG: GODDARD SUITE: undivided rhyolite dikes and intrusive bodies

UPPER CRETACEOUS

- uKc3: CARMACKS: acid vitric crystal tuff, lapilli tuff and welded tuff
- uKc2: CARMACKS: andesite, porphyry
- uKc1: CARMACKS: augite-olivine basalt and breccia
- uKw: WINDY-TABLE: quartz-phyric dacite flows, ash and lapilli tuff

UPPER JURASSIC AND LOWER CRETACEOUS

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

MID-JURASSIC

- MJb: BRYDE SUITE: Kfs-Hbl porphyry
- MJd: BRYDE SUITE: Kfs porphyritic monzonite, monzodiorite
- MJy: BRYDE SUITE: coarse-grained to pegmatitic phlogopite-muscovite syenite
- MJg: BRYDE SUITE: leucocratic monzonite, syenite and granite

LOWER AND MIDDLE JURASSIC, HETTANGIAN TO BAJOCIAN

- JL2: TANGLEFOOT: arkosic sandstone and minor shale, pebble and boulder conglomerate
- JL1: RICHTHOFEN: turbiditic sandstone-siltstone-mudstone, conglomerate

LOWER JURASSIC, PLEINSBACHIAN TO TOARCIAN

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

EARLY JURASSIC

- EJgL: LONG LAKE SUITE: massive to weakly foliated Bt-Hbl granodiorite
- EJgK: LOKKEN SUITE: Hbl-Bt-Cpx monzodiorite to granodiorite, local monzonite

LATE TRIASSIC

- LTrgH: HEADLESS SUITE: foliated Bt-Hbl granodiorite; Bt-rich screens and gneissic schlieren

UPPER TRIASSIC, CARNIAN TO RHAETIAN

- uTrAK3: MANDANNA: green and red greywacke and pebble conglomerate, mudstone
- uTrAK2: HANCOCK: massive to thick-bedded limestone
- uTrAK1: CASCA: shale, siltstone, calcareous greywacke, argillaceous limestone

- uTrS2: SEMENOF: limestone, conglomerate
- 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

MIDDLE TRIASSIC

- mTrJ1: JOE MOUNTAIN: massive basalt flows

MIDDLE TO LATE PERMIAN

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

MIDDLE PERMIAN

- PDC3: DAWSON-CLINTON CREEK: medium to coarse-grained gabbro, leucogabbro
- PDC2: DAWSON-CLINTON CREEK: brown weathering, variably serpentinized ultramafic rocks
- PDC1: DAWSON-CLINTON CREEK: greenstone, phyllite, chert

UPPER CARBONIFEROUS, LOWER AND MIDDLE PENNSYLVANIAN

- uCB3: BOSWELL: micritic limestone, bioclastic limestone, marble
- uCB2: BOSWELL: basalt, volcanic breccia and greenstone
- uCB1: BOSWELL: siliceous argillite, siltstone, sandstone, chert conglomerate, volcanic breccia
- PngK: KELLY SUITE: strongly foliated Hbl ± Bt tonalite, Hbl diorite to granodiorite

CARBONIFEROUS TO PERMIAN

- CPsM3: CAMPBELL RANGE: grey, red and green chert and argillite

CARBONIFEROUS

- CK3: KLINKIT: arkosic sandstone, basal polymictic metaconglomerate
- CK1: KLINKIT: mafic to intermediate metavolcanic and metavolcanic rocks; minor felsite

MISSISSIPPIAN

- MqSR: SIMPSON RANGE SUITE: foliated metagranite, quartz monzonite and granodiorite; augen granite
- MgSR: SIMPSON RANGE SUITE: Hbl-bearing metagranodiorite, metadiorite and metatonalite

DEVONIAN, MISSISSIPPIAN AND(?) OLDER

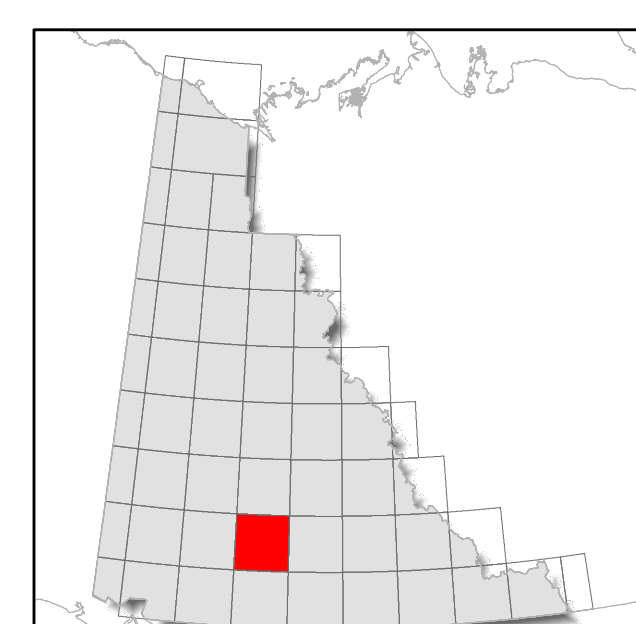
- uDM5: MOOSE: rusty weathering, pink quartz-feldspar-phyric rhyolite
- uDM4: MOOSE: green conglomeratic sandstone with volcanic and sedimentary clasts
- uDM2: MOOSE: limestone, marble
- uDM1: MOOSE: massive and pillow basalt, amphibolite and greenstone
- DMF6: FINLAYSON: ultramafic rocks, serpentine; metagabbro
- DMF5: FINLAYSON: light grey to white marble, locally crinoidal
- DMF4: FINLAYSON: light green to grey, fine-grained siliciclastic and metavolcanic rocks
- DMF3: FINLAYSON: dark grey to black carbonaceous metasedimentary rocks, metachert
- DMF1: FINLAYSON: intermediate to mafic volcanic and volcanoclastic rocks

LATE DEVONIAN TO MISSISSIPPIAN

- DMG: GRASS LAKES SUITE: fine to medium-grained, foliated granodiorite, granite, quartz monzonite

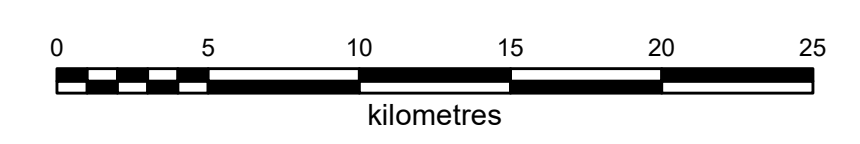
NEOPROTEROZOIC AND PALEOZOIC

- PDS6: SNOWCAP: carbonaceous schist
- 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



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**BEDROCK GEOLOGY
LAKE LABERGE (105E)
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.