

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 TO LATE MIOCENE

- MW: WRANGELL SUITE: Hbl ± Bt granodiorite and K-feldspar porphyritic Hbl granodiorite

MIOCENE TO PLIOCENE

- NW2: WRANGELL LAVAS: volcanic conglomerate
- NW1: WRANGELL LAVAS: basaltic andesite flows, felsic tuff, volcanic sandstone, conglomerate

OLIGOCENE

- OT: TKOPE SUITE: Bt and/or Hbl granite

PALEOCENE TO OLIGOCENE

- OA: AMPHITHEATRE: sandstone, pebbly sandstone, polymictic conglomerate, siltstone, mudstone

EOCENE

- EH: HAYDEN LAKE SUITE: salt and pepper, Hbl ± Bt diorite to quartz diorite

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)
- PgR: RUBY RANGE SUITE: gabbro

LATE CRETACEOUS TO TERTIARY

- LKgd: COAST COMPLEX: Hbl diorite to tonalite with abundant garnet
- LKgn: COAST COMPLEX: mylonitic to weakly deformed, Bt-Qtz ± Grt orthogneiss

LATE EARLY CRETACEOUS

- EKP: PYROXENITE CREEK ULTRAMAFIC: Hbl-pyroxene gabbro, and Bt-Hbl diorite, olivine and Hbl clinopyroxenite
- EKK: KLUANE RANGES SUITE: Bt-Hbl granodiorite, quartz diorite, quartz monzonite, Hbl diorite

CRETACEOUS AND (?) OLDER

- KK4: KLUANE SCHIST: gneiss equivalents of Kludane Schist
- KK3: KLUANE SCHIST: light to dark grey, fine-grained, quartz-muscovite schist
- KK2: KLUANE SCHIST: dark grey to black, fine-grained, quartz-biotite schist
- KK1: KLUANE SCHIST: undifferentiated Kludane Schist

UPPER JURASSIC AND LOWER CRETACEOUS

- JKD1: DEZADEASH: lithic greywacke, sandstone, siltstone, thin dark grey shale

UPPER TRIASSIC - CRETACEOUS

- TrkB2: BLANSHARD RIVER: garnet-biotite schist and metasedimentary rocks
- TrKB1: BLANSHARD RIVER: biotite-quartz-feldspar ± kyanite-sillimanite paragneiss

LATE JURASSIC

- JKS: SAINT ELIAS SUITE: Bt-Hbl granodiorite

EARLY JURASSIC

- EJg1: LONG LAKE SUITE: massive to weakly foliated Bt-Hbl granodiorite

MESOZOIC

- uTrB3: BEAR CREEK?: melange of sedimentary origin in Denali fault zone
- uTrB2: BEAR CREEK: meta-siltstone, mudstone and sandstone

- uTrB1: BEAR CREEK: intermediate to mafic metavolcanic rocks
- Mg: MESOZOIC GRANITOIDS: undivided, poorly described granitic rocks of uncertain age

LATE TRIASSIC

- LTrB: MOUNT BEATON SUITE: Hbl diorite to Hbl-Bt quartz diorite

LATE TRIASSIC AND (?) OLDER

- LTrK2: MAPLE CREEK: pyroxene gabbro and greenstone sills
- LTrK1: KLUANE: sheeny black peridotite, rare dunite

UPPER TRIASSIC

- uTrN2: NIKOLAI: amygdaloidal basaltic and andesitic flows

PENNSYLVANIAN TO (?) LOWER PERMIAN

- CPH2: SKOLAI/HASEN CREEK: light to medium grey, massive to bedded limestone
- CPH1: SKOLAI/HASEN CREEK: dark grey and brown-weathered siltstone, mudstone and sandstone
- CPS5: SKOLAI/STATION CREEK: light grey to light green volcanic tuff and volcanoclastic siltstone
- CPS4: SKOLAI/STATION CREEK: interbedded volcanic breccia, agglomerate and volcanoclastic sandstone
- CPS3: SKOLAI/STATION CREEK: thinly bedded, laminated to massive chert interbedded with crystal tuff
- CPS2: SKOLAI/STATION CREEK: dark green to black basaltic flows, pillows, pillow breccia and hyaloclastite

DEVONIAN TO UPPER TRIASSIC AND (?) OLDER

- DTrI2: ICEFIELD: white to creamy-white gypsum and anhydrite
- DTrI1: ICEFIELD: quartz-rich, micaceous, calcareous siltstone to sandstone

DEVONIAN, MISSISSIPPIAN AND (?) OLDER

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

SILURIAN AND DEVONIAN

- SDB2: BULLION: argillite, phyllite, and minor greywacke siltstone-sandstone
- SDB1: BULLION: light grey limestone or marble, calcareous argillite or phyllite

LOWER ORDOVICIAN TO DEVONIAN AND (?) OLDER

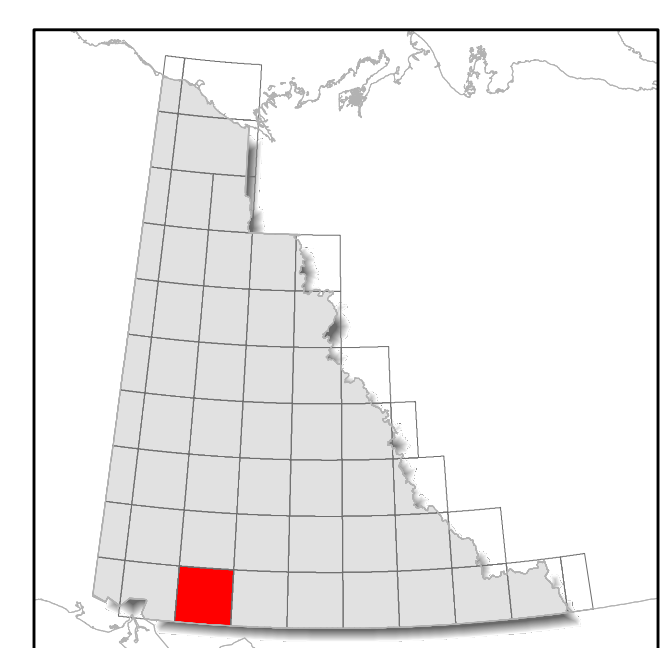
- ODG2: GOATHERD: greywacke siltstone-sandstone, argillite or phyllite
- ODG1: GOATHERD: calcareous mudstone-siltstone, grey silty limestone, cryptocrystalline limestone

CAMBRIAN TO ORDOVICIAN AND (?) YOUNGER

- COD2: DONJEK: laminated silty limestone and limy siltstone
- COD1: DONJEK: greywacke, conglomerate, basic flows, and volcanic breccia

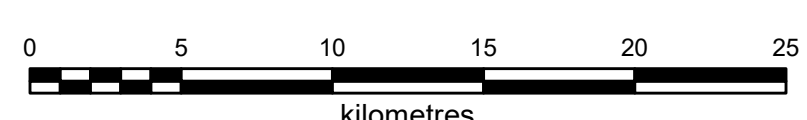
NEOPROTEROZOIC AND PALEOZOIC

- PDS4: SNOWCAP: ultramafic rocks, serpentinite, metagabbro; metapyroxenite
- 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
DEZADEASH RANGE (115A)
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.