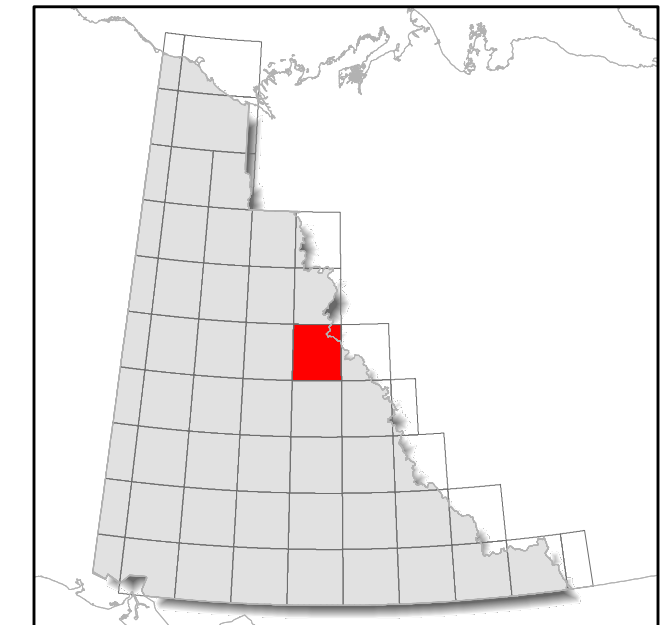




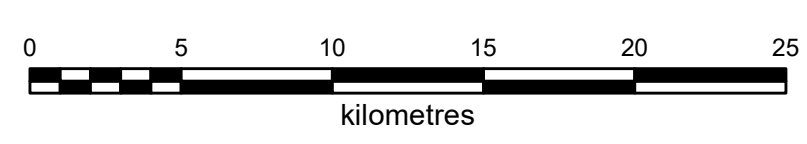
Note: legend contains geological information for the map extent and not the surrounding area.

- MINERAL OCCURRENCE**
- ★ Deposit
  - ☆ Historic Deposit
  - Significant exploration project
- GEOCHRONOLOGY METHOD**
- U/Pb, Zircon
  - U/Pb, Other
  - ▲ Ar/Ar
  - ▲ K/Ar
- LATE CRETACEOUS**
- LKqM?: MCQUESTEN SUITE: Bi-Ms granite and quartz monzonite (Rackla pluton)
- MIDDLE TO UPPER TRIASSIC**
- TrJ1: JONES LAKE: calcareous siltstone, shale, and fine sandstone
- TRIASSIC**
- TG: GALENA SUITE: Hbl diorite and gabbro sills
- CARBONIFEROUS TO PERMIAN**
- CPMC: MOUNT CHRISTIE: burrowed, interbedded greenish grey cherty shale and green shale
- CARBONIFEROUS**
- CT4: TSICHU: siliceous calcarenite, dolostone, sandy dolostone and minor grey quartzite
  - CT2: TSICHU/KENO HILL: black to silvery shale or carbonaceous phyllite
- LOWER AND UPPER CARBONIFEROUS**
- CH1: HART RIVER: thinly laminated, cherty spiculite and spicule lime packstone
- DEVONIAN AND MISSISSIPPIAN**
- DME6: EARN?: bioclastic limestone conglomerate
  - DME3: EARN: felsic to intermediate volcanic flows, tuffs and subvolcanic plug(s)
  - 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
- UPPER LOWER TO LOWER MIDDLE DEVONIAN**
- DB: GRIZZLY BEAR: limestone, white grey weathering, cliff forming
- ORDOVICIAN TO LOWER DEVONIAN**
- ODR: ROAD RIVER - SELWYN: black shale and chert, dolomitic siltstone, calcareous shale, buff play limestone
  - ODR1: DUO LAKE/ELMER CREEK - SELWYN: black graptolitic shale and black chert
- UPPER CAMBRIAN TO LOWER DEVONIAN**
- CDB1: BOUVETTE: grey and buff-weathering dolostone and limestone
- CAMBRIAN TO DEVONIAN**
- CDR: ROAD RIVER - RICHARDSON: black graptolitic shale, limestone and minor chert (undivided)
- UPPER ORDOVICIAN AND SILURIAN**
- OSK4: MOUNT KINDLE: thick-bedded dolostone and limestone, fetid limestone
  - OSK3: KINDLE: well-bedded siltstone, sandstone, dolostone and shale
  - OSK1: MOUNT KINDLE: thick-bedded dolostone, minor chert
- CAMBRIAN TO SILURIAN**
- CSM10: MARMOT: bright green to black serpentinite
  - CSM9: MENZIE CREEK/DEMPSTER: gabbro, pyroxenite
  - CSM3: DEMPSTER: mafic volcanic flows, tuff and hyaloclastic breccia
- UPPER CAMBRIAN AND ORDOVICIAN**
- COF1: FRANKLIN MOUNTAIN: grey, argillaceous, sandy and silty dolostone
- LOWER CAMBRIAN**
- ICG: GULL LAKE: undivided - shale, siltstone, sandstone, conglomerate, limestone
  - ICG4: GULL LAKE: conglomerate, quartzite, argillite, brown-weathering sandstone
  - ICG2: GULL LAKE: mafic metavolcanic and volcaniclastic rocks
  - IC4I: ILTYD: light grey, medium-bedded dolostone
  - ICS: SEKWI: limestone, locally wavy bedded and nodular
- NEOPROTEROZOIC TO LOWER CAMBRIAN**
- PCB1: BACKBONE: thick-bedded, medium to coarse-grained orthoquartzite
  - PCH: HYLAND: undivided coarse turbiditic clastics, limestone, maroon and green shale
- MESO TO NEOPROTEROZOIC**
- UPF1: FIFTEENMILE/HEMATITE CREEK: black shale with limestone laminates and stromatolite bioherms
  - UPP2: PINGUICULA: laminated and flasered limestone, laminated dolosiltite
  - UPP1?: PINGUICULA: basal siliciclastic red laminates; brown and grey siltstone and shale
  - UPP1: PINGUICULA: basal siliciclastic red laminates; brown and grey siltstone and shale
  - MPW: WERNECKE BRECCIAS: hematitic and dolomitic metasomatic breccia
- MESOPROTEROZOIC**
- mPH2: HART RIVER: diorite and gabbro sills and dikes
  - MPB: BEAR RIVER SUITE: dark-green-weathering, fine to medium-grained diorite dikes
- PALEOPROTEROZOIC**
- IPG: GILLESPIE LAKE: dolostone and silty dolostone, locally stromatolitic
  - IPQ: QUARTET: black weathering shale, finely laminated siltstone
  - IPFL2: FAIRCHILD LAKE: siltstone, dolomitic siltstone, and dolostone
  - IPFL1: FAIRCHILD LAKE: calcareous laminated siltstone, sandstone, carbonate
  - EPBP: BONNET PLUME RIVER: diorite preserved as megacrysts within Wernecke Breccia
- NEOPROTEROZOIC**
- uPRI: RISKY: buff grey to buff yellow weathering dolostone
  - uPB: BLUEFLOWER: undivided fine-grained siliciclastic and carbonate rocks, locally conglomerate
  - uPB3: BLUEFLOWER: brown-weathering, shale, siltstone and sandstone
  - uPB2: BLUEFLOWER: green or grey, rhythmically bedded mudstone, siltstone, and fine sandstone
  - uPB1: BLUEFLOWER: pale yellow-weathering limestone, interbedded with green-grey shale
  - uPG: GAMETRAIL: yellow/orange weathering dolostone, dolomitic siltstone and limestone
  - uPN6: NADALEEN/STENBRATEN: rhythmically bedded fine-grained sandstone, siltstone, mudstone
  - uPN5: NADALEEN: black crystalline limestone
  - uPN4: NADALEEN: pink-grey quartz arenite, granule-pebble conglomerate
  - uPN3: NADALEEN: diamictite, conglomerate, grey limestone
  - uPN2: NADALEEN: grey, well-bedded silty limestone
  - uPN1: NADALEEN: diamictite, conglomerate, grey limestone
  - uPHC3: KEELE: silty and sandy dolostone, limestone, quartzite and conglomerate
  - uPHC4: ICE BROOK: brown weathering diamictite, interbedded mudstone and siltstone
  - uPHC2: PROFEIT: massive to thick-bedded, light grey weathering dolostone
  - uPHC1: TWITYA: siltstone, shale interbedded with sandstone, granule to pebble conglomerate
  - uPR4: RAPITAN?: clastic rocks of uncertain affinity west of Nadaleen Mountain
  - uPR2: SHEZAL: brown, orange brown, and green weathering massive diamictite
  - uPR1: SAYUNEI: maroon mudstone with interbeds of sandy mud-matrix-conglomerate



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  
 NADALEEN RIVER (106C)  
 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).