

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

MINERAL OCCURRENCE	GEOCHRONOLOGY METHOD
★ Deposit	● U/Pb, Zircon
☆ Historic Deposit	● U/Pb, Other
■ Significant exploration project	▲ Ar/Ar
	▲ K/Ar

MID TO LATE MIOCENE	MIDDLE TRIASSIC
MW: WRANGELL SUITE: Hbl ± Bt granodiorite and K-feldspar porphyritic Hbl granodiorite	mTrH: HOGE CREEK: dark grey to black siltstone and mudstone

MIOCENE TO PIOCENE	MIDDLE TO UPPER TRIASSIC
NW1: WRANGELL LAVAS: basaltic andesite flows, felsic tuff, volcanic sandstone, conglomerate	TrMC: MIRROR CREEK: calcareous fine-grained sandstone, argillite and shale

OLIGOCENE	LATE PENNSYLVANIAN TO EARLY PERMIAN
OT: TKOPE SUITE: Bt and/or Hbl granite	CPD: DONJEK GLACIER SUITE: Bt-Hbl quartz diorite, diorite, granodiorite

PALEOCENE TO OLILOCENE	PENNSYLVANIAN TO (?) LOWER PERMIAN
OA: AMPHITHEATRE: sandstone, pebbly sandstone, polymictic conglomerate, siltstone, mudstone	CPH2: SKOLAI/HASEN CREEK: light to medium grey, massive to bedded limestone

EOCENE	DEVONIAN TO UPPER TRIASSIC AND (?) OLDER
EH: HAYDEN LAKE SUITE: salt and pepper, Hbl ± Bt diorite to quartz diorite	CPH1: SKOLAI/HASEN CREEK: dark grey and brown-weathered siltstone, mudstone and sandstone

PALEOCENE TO LOWER EOCENE	DEVONIAN TO UPPER TRIASSIC AND (?) OLDER
PRC4: RHYOLITE CREEK: andesite and dacite-rhyolite flows and breccia, minor basalt	CPH5: SKOLAI/STATION CREEK: light grey to light green volcanic tuff and volcanoclastic siltstone

LATE CRETACEOUS TO TERTIARY	DEVONIAN TO UPPER TRIASSIC AND (?) OLDER
LKdP: PROSPECTOR MOUNTAIN SUITE: coarsely crystalline gabbro and diorite	DTI3: ICEFIELD: porphyritic (augite) and non-porphyritic basaltic to andesitic flows

LATE EARLY CRETACEOUS	DEVONIAN TO UPPER TRIASSIC AND (?) OLDER
EKP: PYROXENITE CREEK ULTRAMAFIC: Hbl-pyroxene gabbro, and Bt-Hbl diorite, olivine and Hbl clinopyroxenite schist	DTI2: ICEFIELD: white to creamy-white gypsum and anhydrite

MID-CRETACEOUS	DEVONIAN TO UPPER TRIASSIC AND (?) OLDER
mKgW: WHITEHORSE SUITE: Bt-Hbl granodiorite, Hbl quartz diorite and Hbl diorite	DTI1: ICEFIELD: quartz-rich, micaceous, calcareous siltstone to sandstone

UPPER CRETACEOUS	CARBONIFEROUS TO PERMIAN
uKc2: CARMACKS: andesite, porphyry	CPMS5: SLIDE MOUNTAIN: medium to coarse-grained gabbro

CRETACEOUS AND (?) OLDER	CARBONIFEROUS TO PERMIAN
KK4: KLUANE SCHIST: gneissic equivalents of Klauane Schist	CPMS4: SLIDE MOUNTAIN: brown weathering, variably serpentinized ultramafic rocks

UPPER JURASSIC AND LOWER CRETACEOUS	CARBONIFEROUS TO PERMIAN
JKD1: DEZADEASH: lithic greywacke, sandstone, siltstone, thin dark grey shale	CK3: KLINKIT: arkosic sandstone, basal polymictic metaconglomerate

LATE JURASSIC	CARBONIFEROUS TO PERMIAN
JKS: SAINT ELIAS SUITE: Bt-Hbl granodiorite	CK2: KLINKIT: limestone, marble, locally fossiliferous

MID-JURASSIC	CARBONIFEROUS TO PERMIAN
MJbB: BRYDE SUITE: leucocratic monzonite, syenite and granite	CK1: KLINKIT: mafic to intermediate metavolcanoclastic and metavolcanic rocks; minor felsite

MESOZOIC	MISSISSIPPIAN
uTrB1: BEAR CREEK: intermediate to mafic metavolcanic rocks	MgSR: SIMPSON RANGE SUITE: Hbl-bearing metagranodiorite, metadiorite and metanallite

LATE TRIASSIC	DEVONIAN, MISSISSIPPIAN AND (?) OLDER
LTrB: MOUNT BEATON SUITE: Hbl diorite to Hbl-Bt quartz diorite	DMF: FINLAYSON: undivided mafic to felsic metavolcanic rocks, carbonaceous pelite, metachert

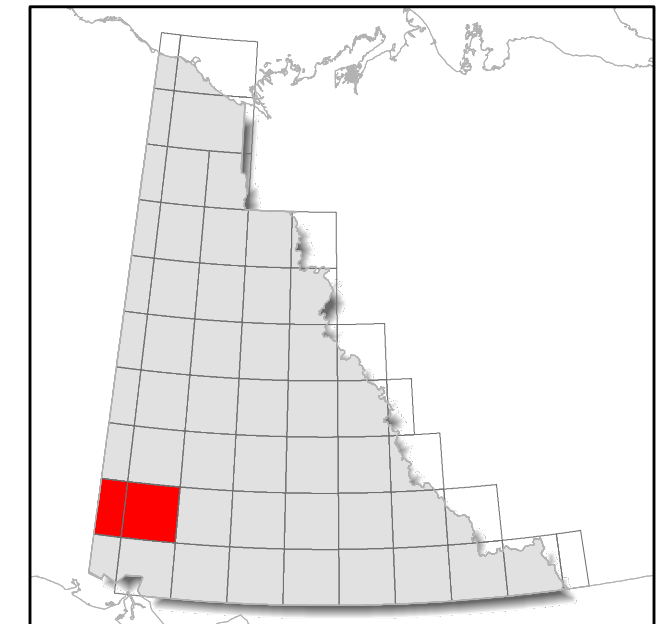
LATE TRIASSIC AND (?) OLDER	DEVONIAN, MISSISSIPPIAN AND (?) OLDER
LTrK2: MAPLE CREEK: pyroxene gabbro and greenstone sills	DMF5: FINLAYSON: light grey to white marble, locally crinoid

UPPER TRIASSIC	DEVONIAN, MISSISSIPPIAN AND (?) OLDER
uTrKt: TATAMAGOUCHE: dark to light grey phyllite, sandstone, minor greywacke, pebble conglomerate	DMF4: FINLAYSON: light green to grey, fine-grained siliciclastic and metavolcanoclastic rocks

UPPER TRIASSIC	DEVONIAN, MISSISSIPPIAN AND (?) OLDER
uTrM: MC CARTHY: light to dark grey calcareous to carbonaceous mudstone and shale	DMF3: FINLAYSON: dark grey to black carbonaceous metasedimentary rocks, metachert

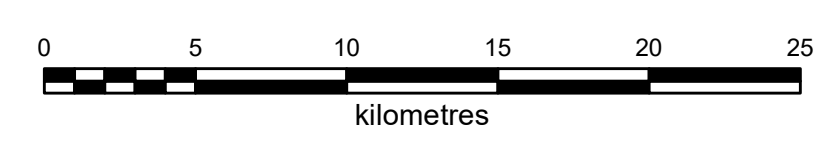
UPPER TRIASSIC	DEVONIAN, MISSISSIPPIAN AND (?) OLDER
uTrC: CHITSTONE: argillaceous limestone and dark grey argillite	DMF2: FINLAYSON: felsic metavolcanic rocks, white quartz-muscovite schist, metaporphry

UPPER TRIASSIC	DEVONIAN, MISSISSIPPIAN AND (?) OLDER
uTrN3: NIKOLAI: dark grey phyllite and	DMF1: FINLAYSON: intermediate to mafic volcanic and volcanoclastic rocks



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BEDROCK GEOLOGY KLUANE LAKE (115F & 115G) 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.