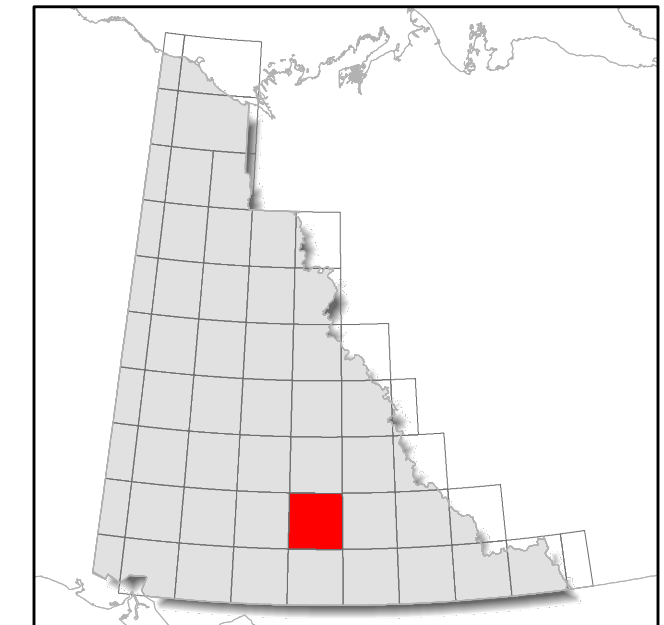


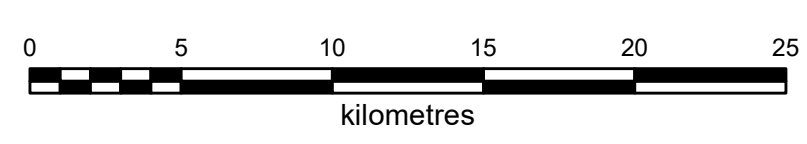
Note: legend contains geological information for the map extent and not the surrounding area.

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| <p>MINERAL OCCURRENCE</p> <ul style="list-style-type: none"> ★ Deposit ☆ Historic Deposit ■ Significant exploration project | <p>GEOCHRONOLOGY METHOD</p> <ul style="list-style-type: none"> ● U/Pb, Zircon ● U/Pb, Other ▲ Ar/Ar ▲ K/Ar |
| <p>LOWER TERTIARY, MOSTLY(?) EOCENE</p> <ul style="list-style-type: none"> ITR5: ROSS: gabbro ITR3: ROSS: brown, thin-bedded, claystone, siltstone, shale and coal ITR2: ROSS: rhyolite flows, tuff, ash-flow tuff and breccia ITR1: ROSS: dark grey-green olivine basalt necks and flows | <p>UPPER DEVONIAN TO LOWER MISSISSIPPIAN</p> <ul style="list-style-type: none"> DMEG: GRASS LAKES SUITE: fine to medium-grained, foliated granodiorite, granite, quartz monzonite DMEC3: EARN - CASSIAR: rhyolite-trachyte to andesite flows, breccia and tuff DMEC2: EARN - CASSIAR: apple green and dark grey, thin-bedded chert and cherty tuff DMEC1: EARN - CASSIAR: black siliceous slate, quartz-chert greywacke, grit and conglomerate |
| <p>LATE CRETACEOUS</p> <ul style="list-style-type: none"> LKqR: RANCHERIA SUITE: Bt-Ms leucogranite and monzogranite | <p>DEVONIAN AND MISSISSIPPIAN</p> <ul style="list-style-type: none"> DME1: EARN: laminated slate, fine to medium-grained chert-quartz arenite and wacke |
| <p>MID-CRETACEOUS</p> <ul style="list-style-type: none"> mKgC: CASSIAR SUITE: Bt ± Hbl ± titanite-bearing monzogranite to granodiorite mKqC: CASSIAR SUITE: Bt ± Ms monzogranite and leucogranite | <p>MIDDLE SILURIAN TO MIDDLE DEVONIAN</p> <ul style="list-style-type: none"> SDA3: ASKIN: maroon and green lapilli tuff and volcanic breccia SDA2: ASKIN: dolostone, silty and sandy dolostone, limestone SDA1: ASKIN: dolomitic siltstone, dolomitic fine-grained sandstone |
| <p>UPPER CRETACEOUS</p> <ul style="list-style-type: none"> uKW: WINDY-TABLE: quartz-phyric dacite flows, ash and lapilli tuff | <p>ORDOVICIAN TO DEVONIAN, LOCALLY ?MISSISSIPPIAN</p> <ul style="list-style-type: none"> ODRC2: ROAD RIVER - CASSIAR: limy or dolomitic platy graphitic siltstone and impure quartzite ODRC1: ROAD RIVER - CASSIAR: recessive, block - locally calcareous, fissile, graphitic shale; quartz arenite, basalt |
| <p>LOWER CRETACEOUS</p> <ul style="list-style-type: none"> KS6: BIG TIMBER: chert sandstone and chert pebble conglomerate | <p>MIDDLE TO UPPER TRIASSIC</p> <ul style="list-style-type: none"> TtJ1: JONES LAKE: calcareous siltstone, shale, and fine sandstone |
| <p>MIDDLE PERMIAN</p> <ul style="list-style-type: none"> PDC2: DAWSON-CLINTON CREEK: brown weathering, variably serpentinized ultramafic rocks PDC1: DAWSON-CLINTON CREEK: greenstone, phyllite, chert | <p>CAMBRIAN TO DEVONIAN OR YOUNGER</p> <ul style="list-style-type: none"> CDS5: ST. CYR: orange to dark blue-grey phyllite and phyllitic limestone CDS4: ST. CYR: cross-laminated calcareous quartz siltstone CDS3: ST. CYR: calcareous graphitic "sooty" slate and silty shale CDS2: ST. CYR: calcareous shale, siltstone and argillaceous limestone CDS1: ST. CYR: calcareous shale and silty limestone |
| <p>CARBONIFEROUS TO PERMIAN</p> <ul style="list-style-type: none"> CPSM4: SLIDE MOUNTAIN: brown weathering, variably serpentinized ultramafic rocks CPSM3: CAMPBELL RANGE: grey, red and green chert and argillite CPSM2: CAMPBELL RANGE: dark green to black basalt, greenstone, locally pillowed CPSM1: FORTIN CREEK: dark grey to black carbonaceous phyllite, chert and argillite | <p>UPPER CAMBRIAN AND ORDOVICIAN</p> <ul style="list-style-type: none"> COK2: KECHIKA: dark green and maroon amygdaloidal basalt flows and volcanoclastic rocks COK1: KECHIKA: thin-bedded, lustrous, calcareous, grey slate, phyllite, limestone COR1: RABBITKETTLER: thin-bedded, silty limestone and grey lustrous calcareous phyllite |
| <p>CARBONIFEROUS</p> <ul style="list-style-type: none"> CK3: KLINKIT: arkosic sandstone, basal polymictic metaconglomerate CK2: KLINKIT: limestone, marble, locally fossiliferous CK1: KLINKIT: mafic to intermediate metavolcanic and metavolcanic rocks; minor felsite | <p>LOWER CAMBRIAN</p> <ul style="list-style-type: none"> ICG1: GULL LAKE: shale, siltstone and mudstone, minor quartz sandstone ICR: ROSELLA: resistant, thick-bedded to massive, limestone and argillaceous limestone |
| <p>MISSISSIPPIAN</p> <ul style="list-style-type: none"> MT1: TAY: calcareous, dark grey to brown siltstone and shale MqSR: SIMPSON RANGE SUITE: foliated metagranite, quartz monzonite and granodiorite; augen granite | <p>NEOPROTEROZOIC AND PALEOZOIC</p> <ul style="list-style-type: none"> PDS5: SNOWCAP: psammite, quartzite and amphibolite metamorphosed to eclogite, blueschist 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 |
| <p>DEVONIAN, MISSISSIPPIAN AND(?) OLDER</p> <ul style="list-style-type: none"> 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 metavolcanic rocks DMF3: FINLAYSON: dark grey to black carbonaceous metasedimentary rocks, metachert DMF1: FINLAYSON: intermediate to mafic volcanic and volcanoclastic rocks | <p>NEOPROTEROZOIC TO LOWER CAMBRIAN</p> <ul style="list-style-type: none"> PCIS: INGENIKA?: greenstone PC14: INGENIKA?: thin bedded slate, siltstone, quartzite, minor limestone PC12: ESPREE: marble, minor dolomite, calc phyllite PC11: SWANNELL/TAYDIZ: calcareous sandstone, shale, quartz-eye grit, quartzite |
| <p>LATE DEVONIAN TO MISSISSIPPIAN</p> <ul style="list-style-type: none"> DyP: PELLY MOUNTAINS SUITE: massive, medium to fine-grained equigranular syenite | |



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**BEDROCK GEOLOGY
 QUIET LAKE (105F)
 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.