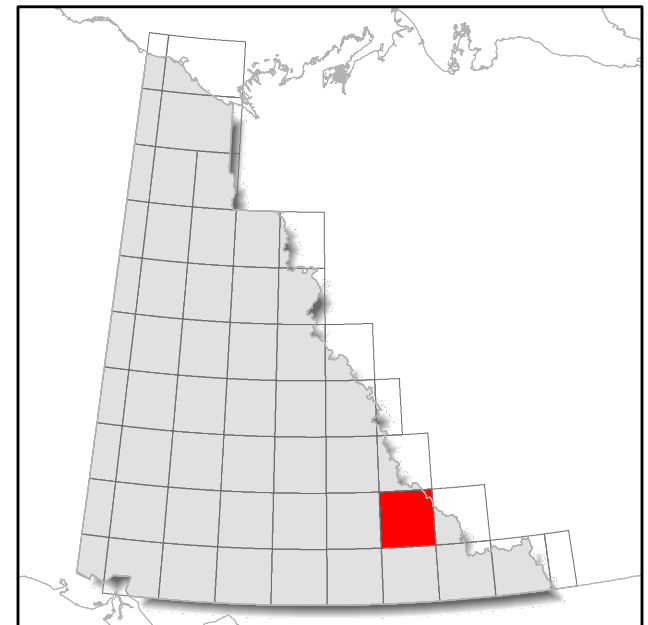


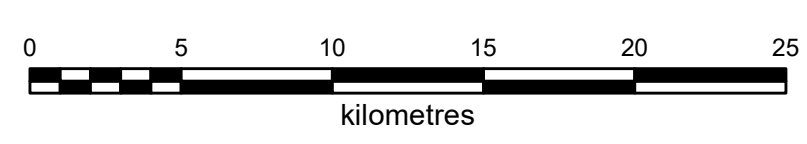
Note: legend contains geological information for the map extent and not the surrounding area.

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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"> ITR3: ROSS: brown, thin-bedded, claystone, siltstone, shale and coal ITR1: ROSS: dark grey-green olivine basalt necks and flows | <p>DME1: EARN: laminated slate, fine to medium-grained chert-quartz arenite and wacke</p> |
| <p>MID-CRETACEOUS</p> <ul style="list-style-type: none"> mKgH: HYLAND RIVER SUITE: Bt granodiorite and monzogranite mKgTu: TUNGSTEN SUITE: K-feldspar porphyritic Bt monzogranite and leucogranite mKgTR: TAY RIVER SUITE: granodiorite | <p>MIDDLE SILURIAN TO MIDDLE DEVONIAN</p> <ul style="list-style-type: none"> SDA2: ASKIN: dolostone, silty and sandy dolostone, limestone <p>ORDOVICIAN TO LOWER DEVONIAN</p> <ul style="list-style-type: none"> ODR: ROAD RIVER - SELWYN: black shale and chert, dolomitic siltstone, calcareous shale, buff platy limestone ODR3: SAPPER - SELWYN: blue-grey weathering, black limestone ODR1: DUO LAKE/ELMER CREEK - SELWYN: black graptolitic shale and black chert |
| <p>EARLY JURASSIC</p> <ul style="list-style-type: none"> EJqLk: LOKKEN SUITE: Bt-Hbl quartz monzonite to granite | <p>UPPER CAMBRIAN TO SILURIAN</p> <ul style="list-style-type: none"> CSH: HAYWIRE: medium to thick bedded, white to dark-grey dolostone, locally cherty |
| <p>MIDDLE TO UPPER TRIASSIC</p> <ul style="list-style-type: none"> TrJ1: JONES LAKE: calcareous siltstone, shale, and fine sandstone | <p>UPPER CAMBRIAN AND ORDOVICIAN</p> <ul style="list-style-type: none"> COR1: RABBITKETTLE: thin-bedded, silty limestone and grey lustrous calcareous phyllite |
| <p>PERMIAN - LOWER TRIASSIC</p> <ul style="list-style-type: none"> PTSL2: SIMPSON LAKE: massive, aphanitic basalt PTSL1: SIMPSON LAKE: polymictic conglomerate, sandstone, dark grey siltstone and shale | <p>LOWER CAMBRIAN</p> <ul style="list-style-type: none"> ICG3: GULL LAKE: marble, calc-silicate ICG2: GULL LAKE: mafic metavolcanic and volcanoclastic rocks ICG1: GULL LAKE: shale, siltstone and mudstone, minor quartz sandstone ICS: SEKWI: limestone, locally wavy bedded and nodular |
| <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>NEOPROTEROZOIC TO PERMIAN</p> <ul style="list-style-type: none"> PP1: TYERS: migmatitic quartz-feldspathic schist and gneiss, metasandstone, lesser metapelite PP2: TYERS: grey weathering, white to grey marble and calc-silicate PP3: TYERS: variably serpentinized, foliated harzburgite, garnet-clinopyroxene amphibolite |
| <p>CARBONIFEROUS</p> <ul style="list-style-type: none"> CK4: KLINKIT: red and green chert, exhalite 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>NEOPROTEROZOIC AND PALEOZOIC</p> <ul style="list-style-type: none"> PDS5: SNOWCAP: psammite, quartzite and amphibolite metamorphosed to eclogite, blueschist |
| <p>MISSISSIPPIAN</p> <ul style="list-style-type: none"> MqSR: SIMPSON RANGE SUITE: foliated metagranite, quartz monzonite and granodiorite; augen granite | <p>NEOPROTEROZOIC TO LOWER CAMBRIAN</p> <ul style="list-style-type: none"> uPCV1: VAMPIRE: dark grey to pale green phyllite, siltstone, sandstone PCH7: NARCHILLA: interbedded maroon and apple-green slate, siltstone, sandstone PCH6: ALGAE: grey weathering, very fine crystalline limestone, locally sandy PCH5: YUZEZYU: brown to pale green shale, quartz-rich sandstone, grit, pebble conglomerate PCH4: TILLEI: medium to dark grey, commonly fetid limestone; brownish-grey silty/sandy limestone PCH3: TILLEI: brown weathering, semi-pelitic, psammitic, and pelitic schist; phyllite PCH2: SHANNON: sulphide-rich marble, schist, metasandstone PCH1: SHANNON: undifferentiated: interlayered phyllite/schist and metasandstone/quartzite |
| <p>DEVONIAN, MISSISSIPPIAN AND(?) OLDER</p> <ul style="list-style-type: none"> DMF6: FINLAYSON: ultramafic rocks, serpentinite; metagabbro DMF4: FINLAYSON: light green to grey, fine-grained siliclastic and metavolcanic rocks DMF3: FINLAYSON: dark grey to black carbonaceous metasedimentary rocks, metachert DMF2: FINLAYSON: felsic metavolcanic rocks, white quartz-muscovite schist, metaporphry DMF1: FINLAYSON: intermediate to mafic volcanic and volcanoclastic rocks | <p>DEVONIAN AND MISSISSIPPIAN</p> <ul style="list-style-type: none"> DME6: EARN?: bioclastic limestone conglomerate |



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**BEDROCK GEOLOGY
 FRANCES LAKE (105H)
 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.