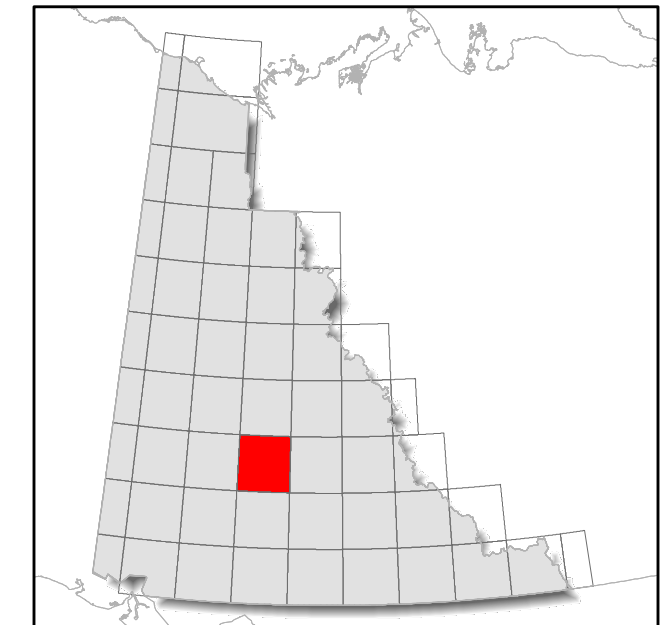


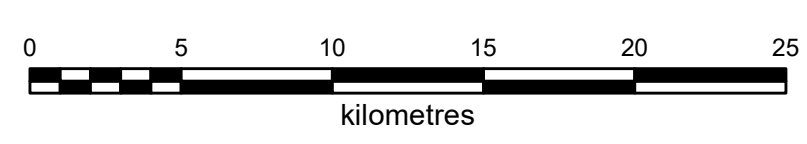
Note: legend contains geological information for the map extent and not the surrounding area.

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|---|--|
| <p><b>MINERAL OCCURRENCE</b></p> <ul style="list-style-type: none"> <li>★ Deposit</li> <li>☆ Historic Deposit</li> <li>■ Significant exploration project</li> </ul>   | <p><b>GEOCHRONOLOGY METHOD</b></p> <ul style="list-style-type: none"> <li>● U/Pb, Zircon</li> <li>● U/Pb, Other</li> <li>▲ Ar/Ar</li> <li>▲ K/Ar</li> </ul>  |
| <p><b>PLIOCENE</b></p> <ul style="list-style-type: none"> <li>PW2: WALSH: well-indurated conglomerate, sandstone, white mudstone, minor coal</li> </ul>   | <p><b>MISSISSIPPIAN</b></p> <ul style="list-style-type: none"> <li>MT2: KALZAS: dark grey to black feldid limestone</li> <li>MT1: TAY: calcareous, dark grey to brown siltstone and shale</li> <li>MqT: TATLMAIN SUITE: variably foliated to unfoliated, coarse-grained granite</li> <li>MgT: TATLMAIN SUITE: Hbl quartz diorite, tonalite, Hbl-Bt granodiorite</li> <li>MgbT: TATLMAIN SUITE: medium to coarse-grained Hbl gabbro</li> <li>MgSR: SIMPSON RANGE SUITE: Hbl-bearing metagranodiorite, metadiorite and metatonalite</li> </ul>   |
| <p><b>LOWER TERTIARY, MOSTLY(?) EOCENE</b></p> <ul style="list-style-type: none"> <li>ITR4: ROSS: quartz-feldspar porphyry and rhyolite</li> <li>ITR3: ROSS: brown, thin-bedded, claystone, siltstone, shale and coal</li> <li>ITR2: ROSS: rhyolite flows, tuff, ash-flow tuff and breccia</li> </ul>   | <p><b>DEVONIAN, MISSISSIPPIAN AND(?) OLDER</b></p> <ul style="list-style-type: none"> <li>uDM2: MOOSE: limestone, marble</li> <li>uDM1: MOOSE: massive and pillow basalt, amphibolite and greenstone</li> <li>DMF6: FINLAYSON: ultramafic rocks, serpentinite, metagabbro</li> <li>DMF5: FINLAYSON: light grey to white marble, locally crinoidal</li> <li>DMF4: FINLAYSON: light green to grey, fine-grained siliciclastic and metavolcanic rocks</li> <li>DMF2: FINLAYSON: felsic metavolcanic rocks, white quartz-muscovite schist, metaporphyry</li> <li>DMF1: FINLAYSON: intermediate to mafic volcanic and volcanoclastic rocks</li> </ul> |
| <p><b>MID-CRETACEOUS</b></p> <ul style="list-style-type: none"> <li>mKqM: MAYO SUITE: Bt granite; K-feldspar porphyritic granite</li> <li>mKqTr: TAY RIVER SUITE: granodiorite</li> <li>mKqC: CASSIAR SUITE: Bt ± Hbl ± titanite-bearing monzogranite to granodiorite</li> <li>mKqC: CASSIAR SUITE: Bt ± Ms monzogranite and leucogranite</li> <li>mKqW: WHITEHORSE SUITE: Bt quartz monzonite, Bt granite and leucogranite</li> <li>mKqS: SEAGULL SUITE: Bt (± Ms) leucogranite to monzogranite</li> </ul> | <p><b>LATE DEVONIAN TO MISSISSIPPIAN</b></p> <ul style="list-style-type: none"> <li>DMyG: GRASS LAKES SUITE: coarse-grained to pegmatitic syenite, quartz monzonite</li> </ul>   |
| <p><b>UPPER CRETACEOUS</b></p> <ul style="list-style-type: none"> <li>uKc5: CARMACKS: gabbro and monzonite bodies</li> <li>uKc3: CARMACKS: acid vitric crystal tuff, lapilli tuff and welded tuff</li> <li>uKc1: CARMACKS: augite-olivine basalt and breccia</li> </ul>   | <p><b>UPPER JURASSIC AND LOWER CRETACEOUS</b></p> <ul style="list-style-type: none"> <li>JKT: TANTALUS: chert pebble conglomerate and gritty quartz-chert-feldspar sandstone</li> </ul>  |
| <p><b>LATE JURASSIC</b></p> <ul style="list-style-type: none"> <li>LJgM: MCGREGOR SUITE: Hbl-Bt (± Ep) granodiorite and quartz monzodiorite</li> </ul>  | <p><b>UPPER DEVONIAN TO LOWER MISSISSIPPIAN</b></p> <ul style="list-style-type: none"> <li>DME1: EARN - CASSIAR: black siliceous slate, quartz-chert greywacke, grit and conglomerate</li> </ul>   |
| <p><b>LOWER AND MIDDLE JURASSIC, HETTANGIAN TO BAJOCIAN</b></p> <ul style="list-style-type: none"> <li>JL2: TANGLEFOOT: arkosic sandstone and minor shale, pebble and boulder conglomerate</li> </ul>   | <p><b>DEVONIAN AND MISSISSIPPIAN</b></p> <ul style="list-style-type: none"> <li>DME2: EARN: silvery blue weathering black shale, argillite, cherty argillite and chert</li> <li>DME1: EARN: laminated slate, fine to medium-grained chert-quartz arenite and wacke</li> <li>DMgE: EARN SUITE: Cpx ± Hbl gabbro and porphyry</li> </ul>   |
| <p><b>LOWER JURASSIC, PLEINSBACHIAN TO TOARCIAN</b></p> <ul style="list-style-type: none"> <li>IJN: NORDENSKIOLD: khaki-green dacite crystal tuff and volcanoclastic sandstone</li> </ul>   | <p><b>MIDDLE SILURIAN TO MIDDLE DEVONIAN</b></p> <ul style="list-style-type: none"> <li>SDA2: ASKIN: dolostone, silty and sandy dolostone, limestone</li> <li>SDA1: ASKIN: dolomitic siltstone, dolomitic fine-grained sandstone</li> </ul>  |
| <p><b>EARLY JURASSIC</b></p> <ul style="list-style-type: none"> <li>EJgLk: LOKKEN SUITE: Hbl-Bt-Cpx monzodiorite to granodiorite, local monzonite</li> </ul>  | <p><b>ORDOVICIAN TO DEVONIAN, LOCALLY ?MISSISSIPPIAN</b></p> <ul style="list-style-type: none"> <li>ODRC1: ROAD RIVER - CASSIAR: recessive, black, locally calcareous, fissile, graptolitic shale; quartz arenite, basalt</li> </ul>   |
| <p><b>LATE TRIASSIC TO EARLY JURASSIC</b></p> <ul style="list-style-type: none"> <li>LTrEJm: MINTO SUITE: leucogranite, apelite, pegmatite</li> <li>LTrEJm: MINTO SUITE: Bt-Hbl granodiorite, locally foliated, local Bt-rich screens and gneissic schlieren</li> <li>LTrEJm: MINTO SUITE: porphyritic Bt and Bt-Hbl quartz monzonite to granite</li> </ul>   | <p><b>ORDOVICIAN TO LOWER DEVONIAN</b></p> <ul style="list-style-type: none"> <li>ODR2: STEEL - SELWYN: rusty dark green to orange buff weathering argillite and dolomitic siltstone</li> <li>ODR1: DUO LAKE/ELMER CREEK - SELWYN: black graptolitic shale and black chert</li> </ul>  |
| <p><b>UPPER TRIASSIC, CARNIAN TO RHAETIAN</b></p> <ul style="list-style-type: none"> <li>uTrAK2: HANCOCK: massive to thick-bedded limestone</li> <li>uTrS2: SEMENOF: limestone, conglomerate</li> <li>uTrS1: SEMENOF: augite-phyric basalt flow and agglomerate, andesite</li> </ul>  | <p><b>CAMBRIAN TO SILURIAN</b></p> <ul style="list-style-type: none"> <li>CSM9: MENZIE CREEK/DEMPSTER: gabbro, pyroxenite</li> <li>CSM1: MENZIE CREEK: massive, locally pillowed, dark grey-green basalt, tuff and breccia</li> </ul>  |
| <p><b>MIDDLE TO UPPER TRIASSIC</b></p> <ul style="list-style-type: none"> <li>TrJ2: JONES LAKE: bioclastic limestone and interbedded sandy or silty limestone</li> <li>TrJ1: JONES LAKE: calcareous siltstone, shale, and fine sandstone</li> </ul>   | <p><b>UPPER CAMBRIAN AND ORDOVICIAN</b></p> <ul style="list-style-type: none"> <li>COK1: KECHIKA: thin-bedded, lustrous, calcareous, grey slate, phyllite, limestone</li> <li>COR3: RABBITKETTLE: basalt</li> <li>COR1: RABBITKETTLE: thin-bedded, silty limestone and grey lustrous calcareous phyllite</li> </ul>  |
| <p><b>MIDDLE PERMIAN</b></p> <ul style="list-style-type: none"> <li>PDC2: DAWSON-CLINTON CREEK: brown weathering, variably serpentinized ultramafic rocks</li> </ul>  | <p><b>LOWER CAMBRIAN</b></p> <ul style="list-style-type: none"> <li>ICG3: GULL LAKE: marble, calc-silicate</li> <li>ICG1: GULL LAKE: shale, siltstone and mudstone, minor quartz sandstone</li> <li>ICR: ROSELLA: resistant, thick-bedded to massive, limestone and argillaceous limestone</li> </ul>  |
| <p><b>UPPER CARBONIFEROUS, LOWER AND MIDDLE PENNSYLVANIAN</b></p> <ul style="list-style-type: none"> <li>uCB2: BOSWELL: basalt, volcanic breccia and greenstone</li> <li>uCB1: BOSWELL: siliceous argillite, siltstone, sandstone, chert conglomerate, volcanic breccia</li> <li>PngK: KELLY SUITE: strongly foliated Hbl ± Bt tonalite, Hbl diorite to granodiorite</li> </ul>   | <p><b>NEOPROTEROZOIC AND PALEOZOIC</b></p> <ul style="list-style-type: none"> <li>PDS5: SNOWCAP: psammite, quartzite and amphibolite metamorphosed to eclogite, blueschist</li> <li>PDS3: SNOWCAP: amphibolite, commonly garnet-bearing; greenstone</li> <li>PDS2: SNOWCAP: light grey to buff weathering marble</li> </ul>  |
| <p><b>CARBONIFEROUS TO PERMIAN</b></p> <ul style="list-style-type: none"> <li>CPSM5: SLIDE MOUNTAIN: medium to coarse-grained gabbro</li> <li>CPSM4: SLIDE MOUNTAIN: brown weathering, variably serpentinized ultramafic rocks</li> <li>CPSM3: CAMPBELL RANGE: grey, red and green chert and argillite</li> <li>CPSM2: CAMPBELL RANGE: dark green to black basalt, greenstone, locally pillowed</li> </ul>  |  |



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## BEDROCK GEOLOGY GLENLYON (105L) 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).