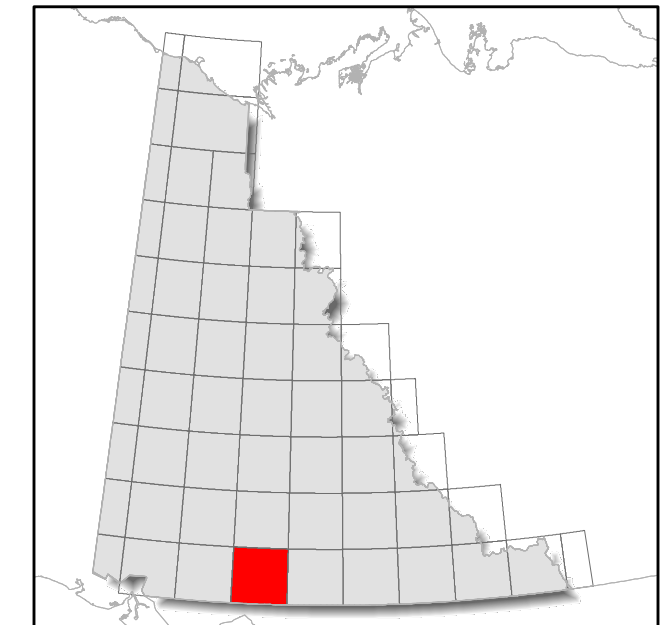


Note: legend contains geological information for the map extent and not the surrounding area.

- |   |   |
|---|---|
| <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>QUATERNARY</b></p> <ul style="list-style-type: none"> <li>Q: QUATERNARY: unconsolidated glacial, glaciofluvial and glaciolacustrine deposits</li> </ul>   | <p><b>LOWER JURASSIC, PLEINSBACHIAN TO TOARCIAN</b></p> <ul style="list-style-type: none"> <li>IJN: NORDENSKIÖLD: khaki-green dacite crystal tuff and volcanoclastic sandstone</li> </ul>   |
| <p><b>MIOCENE TO PIOCENE</b></p> <ul style="list-style-type: none"> <li>MPMC: MILES CANYON: columnar jointed olivine basalt flows</li> </ul>  | <p><b>EARLY JURASSIC</b></p> <ul style="list-style-type: none"> <li>EJgB: BENNETT: K-feldspar-phyric Hbl granodiorite, monzodiorite</li> <li>EJgL: LONG LAKE SUITE: massive to weakly foliated Bt-Hbl granodiorite</li> </ul>   |
| <p><b>PALEOCENE TO LOWER EOCENE</b></p> <ul style="list-style-type: none"> <li>PRCS: RHYOLITE CREEK: basal conglomerate/breccia</li> <li>PRC1: RHYOLITE CREEK: light grey, green, maroon, purple and black rhyolite and dacite</li> <li>PIR: RUBY RANGE SUITE: feldspar porphyry dike and flow rocks of intermediate to acidic composition</li> <li>PqR: RUBY RANGE SUITE: leucocratic, Bt granite</li> <li>PgR: RUBY RANGE SUITE: Bt-Hbl granodiorite (locally K-feldspar megacrystic)</li> </ul>    | <p><b>MESOZOIC</b></p> <ul style="list-style-type: none"> <li>Mg: MESOZOIC GRANITOIDS: undivided, poorly described granitic rocks of uncertain age</li> </ul>   |
| <p><b>LATE CRETACEOUS TO TERTIARY</b></p> <ul style="list-style-type: none"> <li>LKC7: CASINO SUITE: quartz monzonite, quartz-rich Bt granite, diorite, gabbro</li> <li>LKQc: CASINO SUITE: quartz monzonite, quartz-rich Bt granite</li> <li>LKQc: CASINO SUITE: Hbl-Bt granodiorite, Hbl diorite, quartz diorite</li> </ul>   | <p><b>LATE TRIASSIC</b></p> <ul style="list-style-type: none"> <li>LTrgS: STIKINE SUITE: coarse-grained, foliated Hbl gabbro, pyroxenite</li> </ul>   |
| <p><b>MID-CRETACEOUS</b></p> <ul style="list-style-type: none"> <li>mKdW: WHITEHORSE SUITE: Hbl diorite, Bt-Hbl quartz diorite</li> <li>mKgW: WHITEHORSE SUITE: Bt-Hbl granodiorite, Hbl quartz diorite and Hbl diorite</li> <li>mKqW: WHITEHORSE SUITE: Bt quartz monzonite, Bt granite and leucogranite</li> <li>mKN: MOUNT NANSEN: massive aphyric or feldspar-phyric andesite to dacite flows</li> <li>mKN?: MOUNT NANSEN: massive aphyric or feldspar-phyric andesite to dacite flows</li> </ul> | <p><b>UPPER TRIASSIC, CARNIAN TO RHAETIAN</b></p> <ul style="list-style-type: none"> <li>uTrAK3: MANDANNA: green and red greywacke and pebble conglomerate, mudstone</li> <li>uTrAK2: HANCOCK: massive to thick-bedded limestone</li> <li>uTrAK1: CASCA: shale, siltstone, calcareous greywacke, argillaceous limestone</li> </ul>  |
| <p><b>EARLY CRETACEOUS</b></p> <ul style="list-style-type: none"> <li>EKGt: TESLIN SUITE: Hbl-Bt granite, granodiorite, quartz monzonite, quartz monzodiorite</li> </ul>  | <p><b>UPPER TRIASSIC, CARNIAN AND OLDER (?)</b></p> <ul style="list-style-type: none"> <li>uTrP: POVOAS: augite or feldspar-phyric andesitic basalt flows, breccia, tuff, sandstone, argillite</li> <li>uTrP?: POVOAS: augite or feldspar-phyric andesitic basalt flows, breccia, tuff, sandstone, argillite</li> </ul>   |
| <p><b>UPPER CRETACEOUS</b></p> <ul style="list-style-type: none"> <li>uKc1: CARMACKS: augite-olivine basalt and breccia</li> <li>uKw: WINDY-TABLE: quartz-phyric dacite flows, ash and lapilli tuff</li> </ul>  | <p><b>MIDDLE TRIASSIC</b></p> <ul style="list-style-type: none"> <li>mTrJ2: MICHIE: dark grey siltstone, calc-lithic sandstone, polymictic orthoconglomerate</li> <li>mTrJ1: JOE MOUNTAIN: massive basalt flows</li> <li>MTrdJ: JOE MOUNTAIN: Hbl gabbro and diorite</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>UPPER PALEOZOIC</b></p> <ul style="list-style-type: none"> <li>uPT: TAKHINI: metabasite, amphibolite gneiss, tuff, wacke and marble</li> </ul>  |
| <p><b>MID-JURASSIC</b></p> <ul style="list-style-type: none"> <li>MJyB: BRYDE SUITE: coarse-grained to pegmatitic phlogopite-muscovite syenite</li> </ul>   | <p><b>CARBONIFEROUS TO JURASSIC</b></p> <ul style="list-style-type: none"> <li>CTrC4: KEDAHA: thin-bedded, grey, black, red and brown chert</li> <li>CTrC3: HORSEFEED: massive, finely crystalline, locally crinoidal and fusilline grey limestone</li> <li>CTrC2: NAKINA: andesitic and basaltic spherulitic greenstone</li> <li>CTrC1: NAHLIN: variably tectonized, serpentinized and chloritized ultramafic rocks</li> </ul> |
| <p><b>LOWER AND MIDDLE JURASSIC, HETTANGIAN TO BAJOCIAN</b></p> <ul style="list-style-type: none"> <li>JL1: RICHTHOFEN: turbiditic sandstone-siltstone-mudstone, conglomerate</li> </ul>  | <p><b>NEOPROTEROZOIC AND PALEOZOIC</b></p> <ul style="list-style-type: none"> <li>PDS2: SNOWCAP: light grey to buff weathering marble</li> <li>PDS1: SNOWCAP: quartzite, psammite, pelite and marble; minor greenstone and amphibolite</li> </ul>   |



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**BEDROCK GEOLOGY  
 WHITEHORSE (105D)  
 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).