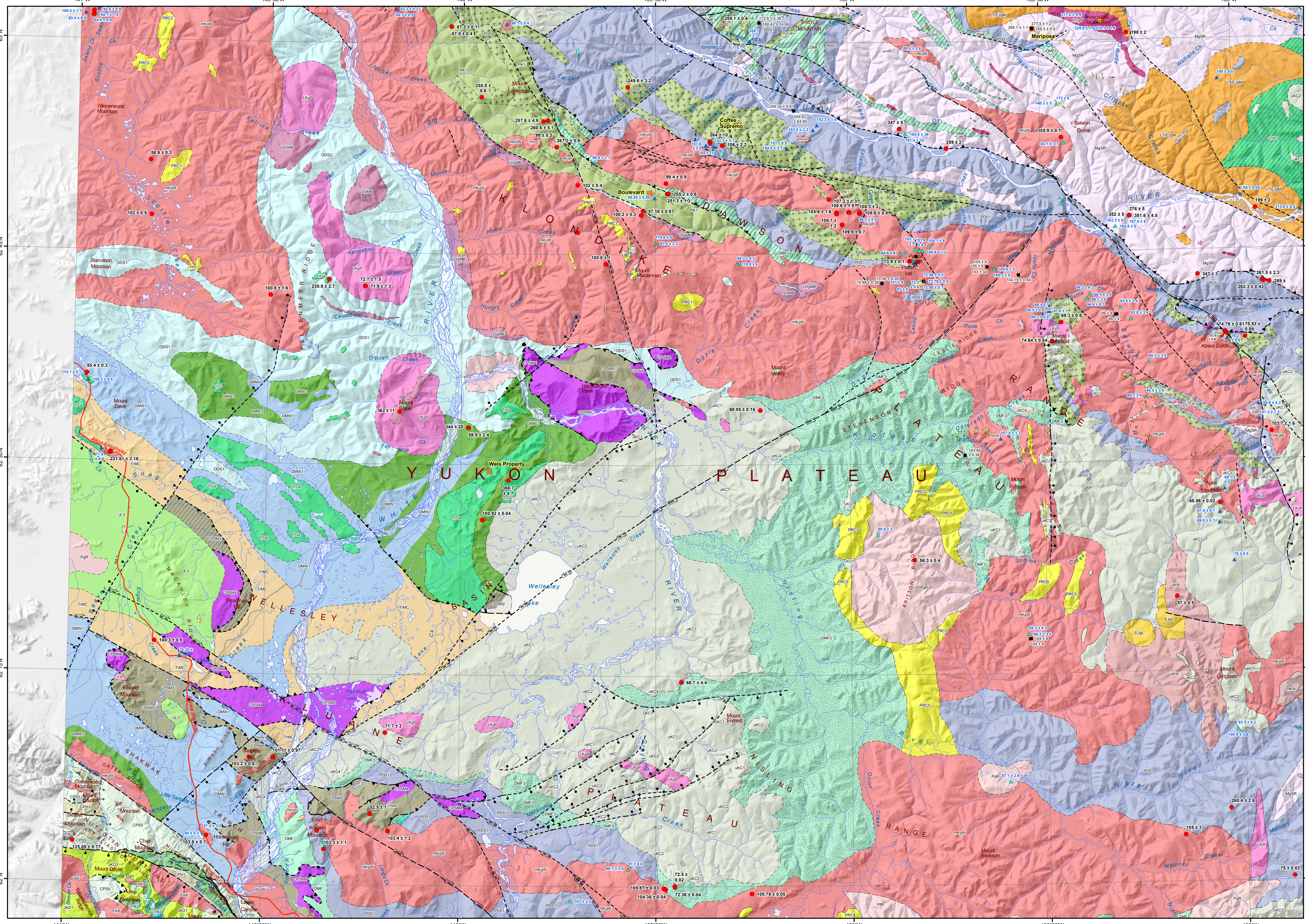
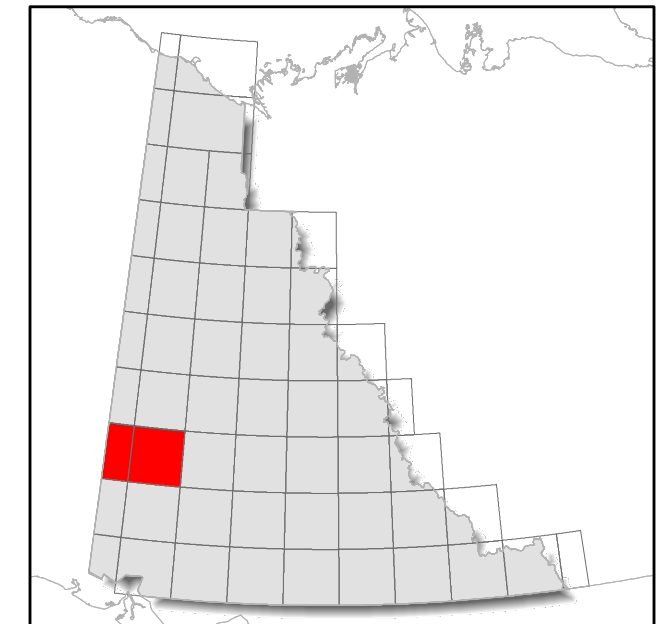


Note: legend contains geological information for the map extent and not the surrounding area.

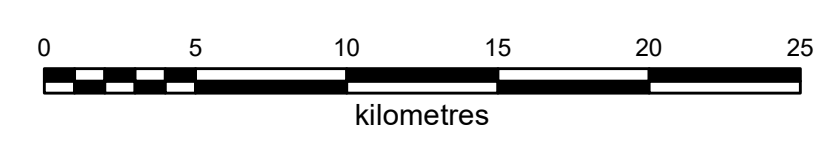


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| <p>MINERAL OCCURRENCE</p> <ul style="list-style-type: none"> ★ Deposit ☆ Historic Deposit ■ Significant exploration project | <p>GEOCHRONOLOGY METHOD</p> <ul style="list-style-type: none"> ● U/Pb, Zircon ● U/Pb, Other ▲ Ar/Ar ▲ K/Ar |
| <p>PALEOCENE TO LOWER EOCENE</p> <ul style="list-style-type: none"> PRC5: RHYOLITE CREEK: basal conglomerate/breccia PRC4: RHYOLITE CREEK: andesite and dacite-rhyolite flows and breccia, minor basalt PRC2: RHYOLITE CREEK: maroon to reddish purple, fine to very coarse grained andesite PRC1: RHYOLITE CREEK: light grey, green, maroon, purple and black rhyolite and dacite PqR: RUBY RANGE SUITE: leucocratic, Bt granite PgR: RUBY RANGE SUITE: Bt-Hbl granodiorite (locally K-feldspar megacrystic) | <p>UPPER TRIASSIC, CARNIAN AND OLDER (?)</p> <ul style="list-style-type: none"> uTrP?: POVOAS: augite or feldspar-phyrlic andesitic basalt flows, breccia, tuff, sandstone, argillite <p>MIDDLE TO UPPER TRIASSIC</p> <ul style="list-style-type: none"> TMC: MIRROR CREEK: calcareous fine-grained sandstone, argillite and shale <p>TRIASSIC</p> <ul style="list-style-type: none"> TrGs: SNAG CREEK SUITE: Hbl gabbro and pyroxene sills <p>MIDDLE TO LATE PERMIAN</p> <ul style="list-style-type: none"> PqS: SULPHUR CREEK SUITE: variably foliated, K-feldspar augen granite, metaporphry PK2: KLONDIKE SCHIST: silvery grey muscovite-chlorite quartz phyllite, micaceous quartzite PK1: KLONDIKE SCHIST: quartz-muscovite-chlorite schist <p>PENNSYLVANIAN TO (?) LOWER PERMIAN</p> <ul style="list-style-type: none"> CPH2: SKOLAI/HASEN CREEK: light to medium grey, massive to bedded limestone CPH1: SKOLAI/HASEN CREEK: dark grey and brown-weathered siltstone, mudstone and sandstone CP5S: SKOLAI/STATION CREEK: light grey to light green volcanic tuff and volcanoclastic siltstone <p>CARBONIFEROUS TO PERMIAN</p> <ul style="list-style-type: none"> CPSM5: SLIDE MOUNTAIN: medium to coarse-grained gabbro 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 |
| <p>LATE CRETACEOUS TO TERTIARY</p> <ul style="list-style-type: none"> LKdP: PROSPECTOR MOUNTAIN SUITE: coarsely crystalline gabbro and diorite LKqP: PROSPECTOR MOUNTAIN SUITE: Hbl-Bt granodiorite, Hbl diorite, quartz diorite LKyP: PROSPECTOR MOUNTAIN SUITE: syenite LKP: PROSPECTOR MOUNTAIN SUITE: quartz-feldspar porphyry LKIC: CASINO SUITE: quartz-feldspar porphyry | <p>LATE EARLY CRETACEOUS</p> <ul style="list-style-type: none"> EKK: KLUANE RANGES SUITE: Bt-Hbl granodiorite, quartz diorite, quartz monzonite, Hbl diorite |
| <p>MID-CRETACEOUS</p> <ul style="list-style-type: none"> mKdW: WHITEHORSE SUITE: Hbl diorite, Bt-Hbl quartz diorite mKgW: WHITEHORSE SUITE: Bt-Hbl granodiorite, Hbl quartz diorite and Hbl diorite mKqW: WHITEHORSE SUITE: Bt quartz monzonite, Bt granite and leucogranite mKN: MOUNT NANSEN: massive aphyric or feldspar-phyrlic andesite to dacite flows | <p>MISSISSIPPIAN</p> <ul style="list-style-type: none"> MgSR: SIMPSON RANGE SUITE: Hbl-bearing megacrystic granodiorite, metadiorite and metatonalite |
| <p>UPPER CRETACEOUS</p> <ul style="list-style-type: none"> uK4: CARMACKS: sandstone, pebble conglomerate, shale, tuff, and coal uK2: CARMACKS: andesite, porphyry uK1: CARMACKS: augite-olivine basalt and breccia uKW: WINDY-TABLE: quartz-phyrlic dacite flows, ash and lapilli tuff | <p>DEVONIAN, MISSISSIPPIAN AND (?) OLDER</p> <ul style="list-style-type: none"> DMF: FINLAYSON: undivided mafic to felsic metavolcanic rocks, carbonaceous pelite, metachert DMF6: FINLAYSON: ultramafic rocks, serpentinite, metagabbro DMF3: FINLAYSON: dark grey to black carbonaceous metasedimentary rocks, metachert DMF1: FINLAYSON: intermediate to mafic volcanic and volcanoclastic rocks |
| <p>UPPER JURASSIC AND LOWER CRETACEOUS</p> <ul style="list-style-type: none"> JKD1: DEZADEASH: lithic greywacke, sandstone, siltstone, thin dark grey shale | <p>LATE DEVONIAN TO MISSISSIPPIAN</p> <ul style="list-style-type: none"> LDGMB: MT BAKER SUITE: strongly foliated to gneissic granodiorite, diorite and monzogranite LDYMB: MT BAKER SUITE: strongly foliated to gneissic diorite, gabbro and minor pyroxenite |
| <p>LOWER AND MIDDLE JURASSIC, HETTANGIAN TO BAJOCIAN</p> <ul style="list-style-type: none"> JL3: MACAULEY RIDGE: arkosic sandstone and minor shale, pebble and boulder conglomerate | <p>DEVONIAN AND MISSISSIPPIAN</p> <ul style="list-style-type: none"> DMW2: WHITE RIVER: felsic to mafic metavolcanic schist DMW1: WHITE RIVER: carbonaceous muscovite-quartz phyllite, grey psammitic schist, quartzite |
| <p>EARLY JURASSIC</p> <ul style="list-style-type: none"> EJgL: LONG LAKE SUITE: massive to weakly foliated Bt-Hbl granodiorite | <p>ORDOVICIAN TO LOWER DEVONIAN</p> <ul style="list-style-type: none"> ODS2: SCOTTIE CREEK: layered paragneiss, migmatite ODS1: SCOTTIE CREEK: quartzite, micaceous quartzite, psammitic Qtz-Ms-Bt ± Grt schist |
| <p>LATE TRIASSIC TO EARLY JURASSIC</p> <ul style="list-style-type: none"> LTrEJgM: MINTO SUITE: Bt-Hbl granodiorite, locally foliated local Bt-rich screens and gneissic schlieren | <p>NEOPROTEROZOIC AND PALEOZOIC</p> <ul style="list-style-type: none"> PDS2: SNOWCAP: light grey to buff weathering marble PDS1: SNOWCAP: quartzite, psammite, pelite and marble; minor greenstone and amphibolite |
| <p>LATE TRIASSIC</p> <ul style="list-style-type: none"> LTrGp: PYROXENE MTN SUITE: coarse-grained, foliated Hbl gabbro, pyroxenite | <p>UPPER TRIASSIC</p> <ul style="list-style-type: none"> uTrN2: NIKOLA: amygdaloidal basaltic and andesitic flows |
| <p>LATE TRIASSIC AND (?) OLDER</p> <ul style="list-style-type: none"> LTrK2: MAPLE CREEK: pyroxene gabbro and greenstone sills LTrK1: KLUANE: sheeny black peridotite, rare dunite | |



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BEDROCK GEOLOGY
STEVENSON RIDGE (115J & 115K)
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.