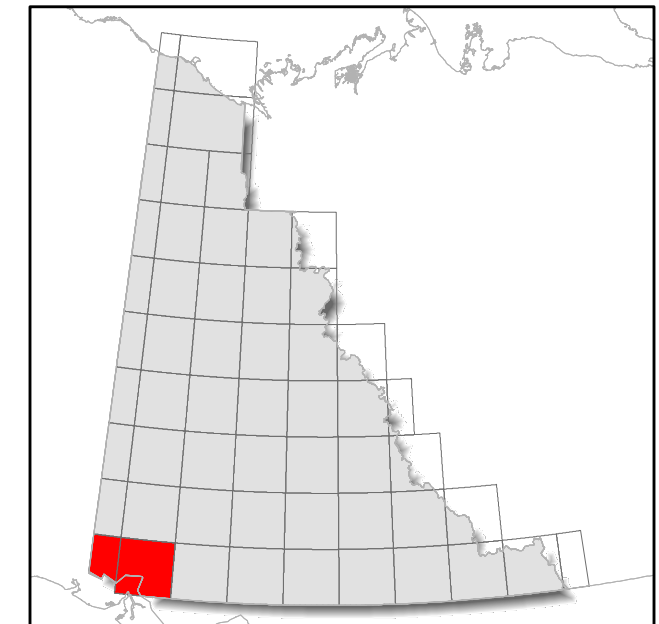


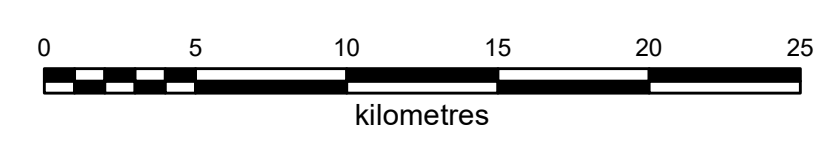
Note: legend contains geological information for the map extent and not the surrounding area.

<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>MID TO LATE MIOCENE</p> <ul style="list-style-type: none"> MW: WRANGELL SUITE: Hbl ± Bt granodiorite and K-feldspar porphyritic Hbl granodiorite 	<p>UPPER TRIASSIC</p> <ul style="list-style-type: none"> LTk1: KLUANE: sheeny black peridotite, rare dunite
<p>MIOCENE TO PIOCENE</p> <ul style="list-style-type: none"> NW1: WRANGELL LAVAS: basaltic andesite flows, felsic tuff, volcanic sandstone, conglomerate 	<p>LATE PENNSYLVANIAN TO EARLY PERMIAN</p> <ul style="list-style-type: none"> CPD: DONJEK GLACIER SUITE: Bt-Hbl quartz diorite, diorite, granodiorite CPB: BARNARD GLACIER SUITE: Hbl ± Bt syenite
<p>OLIGOCENE</p> <ul style="list-style-type: none"> OT: TKOPE SUITE: Bt and/or Hbl granite 	<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 CPS2: SKOLAI/STATION CREEK: dark green to black basalt flows, pillows, pillow breccia and hyaloclastite CPS1: SKOLAI: undivided meta-pelite, metavolcanic rocks and marble
<p>PALEOCENE TO OLILOCENE</p> <ul style="list-style-type: none"> OA: AMPHITHEATRE: sandstone, pebbly sandstone, polymictic conglomerate, siltstone, mudstone 	<p>DEVONIAN TO UPPER TRIASSIC AND (?) OLDER</p> <ul style="list-style-type: none"> DTri3: ICEFIELD: porphyritic (augite) and non-porphyritic basaltic to andesitic flows DTri2: ICEFIELD: white to creamy-white gypsum and anhydrite DTri1: ICEFIELD: quartz-rich, micaceous, calcareous siltstone to sandstone
<p>EOCENE</p> <ul style="list-style-type: none"> EH: HAYDEN LAKE SUITE: salt and pepper, Hbl ± Bt diorite to quartz diorite EgS: SEWARD SUITE: Bt and Hbl-Bt tonalite, granodiorite 	<p>LATE DEVONIAN</p> <ul style="list-style-type: none"> LDSC: STEEL CREEK: massive, rusty grey-green hornblende pyroxene gabbro
<p>LATE EARLY CRETACEOUS</p> <ul style="list-style-type: none"> EKP: PYROXENITE CREEK ULTRAMAFIC: Hbl-pyroxene gabbro, and Bt-Hbl diorite; olivine and Hbl clinopyroxene EKK: KLUANE RANGES SUITE: Bt-Hbl granodiorite, quartz diorite, quartz monzonite, Hbl diorite 	<p>SILURIAN AND DEVONIAN</p> <ul style="list-style-type: none"> SDB2: BULLION: argillite, phyllite, and minor greywacke siltstone-sandstone SDB1: BULLION: light grey limestone or marble, calcareous argillite or phyllite
<p>CRETACEOUS AND (?) OLDER</p> <ul style="list-style-type: none"> KK3: KLUANE SCHIST: light to dark grey, fine-grained, quartz-muscovite schist KK2: KLUANE SCHIST: dark grey to black, fine-grained, quartz-biotite schist KY: YAKUTAT: greywacke and conglomerate, siltstone, argillite, slate KV: VALDEZ: dark grey argillite and greywacke 	<p>LOWER ORDOVICIAN TO DEVONIAN AND (?) OLDER</p> <ul style="list-style-type: none"> ODG2: GOATHERD: greywacke siltstone-sandstone, argillite or phyllite ODG1: GOATHERD: calcareous mudstone-siltstone, grey silty limestone, cryptocrystalline limestone
<p>UPPER JURASSIC AND LOWER CRETACEOUS</p> <ul style="list-style-type: none"> JKD2: DEZADEASH: sandstone, conglomerate, shale, siliceous tuff JKD1: DEZADEASH: lithic greywacke, sandstone, siltstone, thin dark grey shale 	<p>CAMBRIAN TO ORDOVICIAN AND (?) YOUNGER</p> <ul style="list-style-type: none"> COD2: DONJEK: laminated silty limestone and limy siltstone COD1: DONJEK: greywacke, conglomerate, basic flows, and volcanic breccia
<p>LATE JURASSIC</p> <ul style="list-style-type: none"> JKS: SAINT ELIAS SUITE: Bt-Hbl granodiorite 	<p>LATE TRIASSIC AND (?) OLDER</p> <ul style="list-style-type: none"> LTk2: MAPLE CREEK: pyroxene gabbro and greenstone sills
<p>MESOZOIC</p> <ul style="list-style-type: none"> uTrB3: BEAR CREEK?: melange of sedimentary origin in Denali fault zone uTrB2: BEAR CREEK: meta-siltstone, mudstone and sandstone uTrB1: BEAR CREEK: intermediate to mafic metavolcanic rocks 	



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BEDROCK GEOLOGY MOUNT ST ELIAS (115B & 115C) 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.