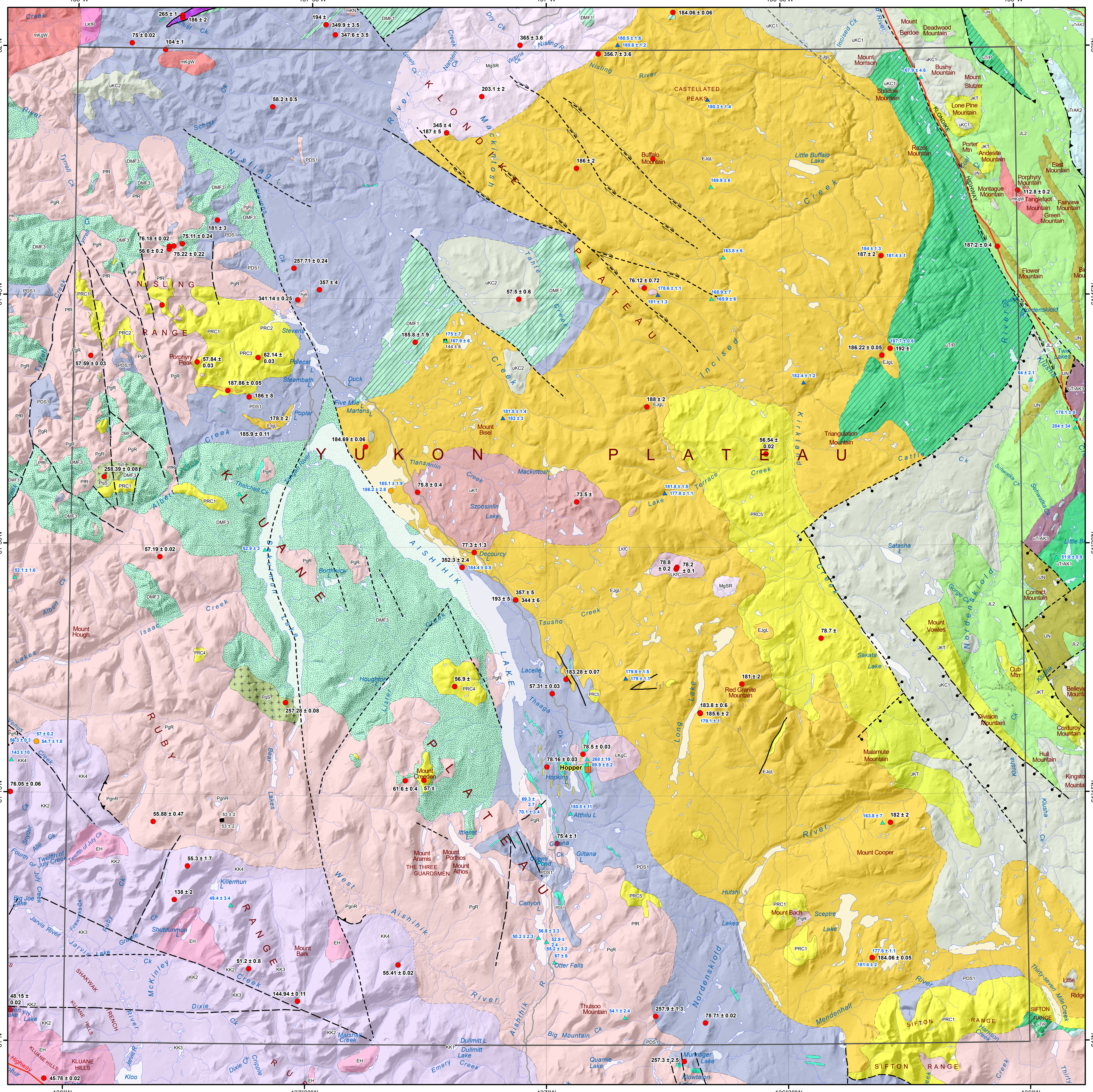
Yukon Geological Survey

Yukon



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

MINERAL OCCURRENCE

- ★ Deposit
- ☆ Historic Deposit
- ■ Significant exploration project

GEOCHRONOLOGY METHOD

- ● U/Pb, Zircon
- ● U/Pb, Other
- ▲ Ar/Ar
- ▲ K/Ar

EOCENE

EH: HAYDEN LAKE SUITE: salt and pepper, Hbl ± Bt diorite to quartz diorite

PALEOCENE TO LOWER EOCENE

PRC5: RHYOLITE CREEK: basal conglomerate/breccia

PRC4: RHYOLITE CREEK: andesite and dacite-rhyolite flows and breccia, minor basalt

PRC3: RHYOLITE CREEK: dark grey to black weathered, very fine grained 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

PfR: RUBY RANGE SUITE: feldspar porphyry dike and flow rocks of intermediate to acidic composition

PqR: RUBY RANGE SUITE: leucocratic, Bt granite

PgR: RUBY RANGE SUITE: Bt-Hbl granodiorite (locally K-feldspar megacrystic)

PgnR: RUBY RANGE SUITE: granodiorite gneiss

LATE CRETACEOUS TO TERTIARY

LKgC: CASINO SUITE: Hbl-Bt granodiorite, Hbl diorite, quartz diorite

LKfC: CASINO SUITE: quartz-feldspar porphyry

MID-CRETACEOUS

mKgW: WHITEHORSE SUITE: Bt-Hbl granodiorite, Hbl quartz diorite and Hbl diorite

mKqW: WHITEHORSE SUITE: Bt quartz monzonite, Bt granite and leucogranite

UPPER CRETACEOUS

uKC2: CARMACKS: andesite, porphyry

uKC1: CARMACKS: augite-olivine basalt and breccia

uKT: TLANSANLIN: basalt, basaltic andesite, Pl and Hbl-phyric andesite, dacite, lapilli tuff

CRETACEOUS AND (?) OLDER

KK4: KLUANE SCHIST: gneissic equivalents of Kluane Schist

KK3: KLUANE SCHIST: light to dark grey, fine-grained, quartz-muscovite schist

KK2: KLUANE SCHIST: dark grey to black, fine-grained, quartz-biotite schist

KK1: KLUANE SCHIST: undifferentiated Kluane Schist

UPPER JURASSIC AND LOWER CRETACEOUS

JKT: TANTALUS: chert pebble conglomerate and gritty quartz-chert-feldspar sandstone

LOWER AND MIDDLE JURASSIC, HETTANGIAN TO BAJOCIAN

JL2: TANGLEFOOT: arkosic sandstone and minor shale, pebble and boulder conglomerate

LOWER JURASSIC, PLEINSBACHIAN TO TOARCIAN

lJN: NORDENSKIOLD: khaki-green dacite crystal tuff and volcaniclastic sandstone

EARLY JURASSIC

EJqL: LONG LAKE: Bt, Bt-Ms and Bt-Hbl quartz monzonite to granite

EJgL: LONG LAKE SUITE: massive to weakly foliated Bt-Hbl granodiorite

UPPER TRIASSIC, CARNIAN AND OLDER

uTrP: POVOAS: augite or feldspar-phyric andesitic basalt flows, breccia, tuff, sandstone, argillite

MIDDLE TO LATE PERMIAN

PqS: SULPHUR CREEK SUITE: variably foliated, K-feldspar augen granite, metaporphyry

MISSISSIPPIAN

MgSR: SIMPSON RANGE SUITE: Hbl-bearing metagranodiorite, metadiorite and metatonalite

DEVONIAN, MISSISSIPPIAN AND(?)

DMF5: FINLAYSON: light grey to white marble, locally crinoidal

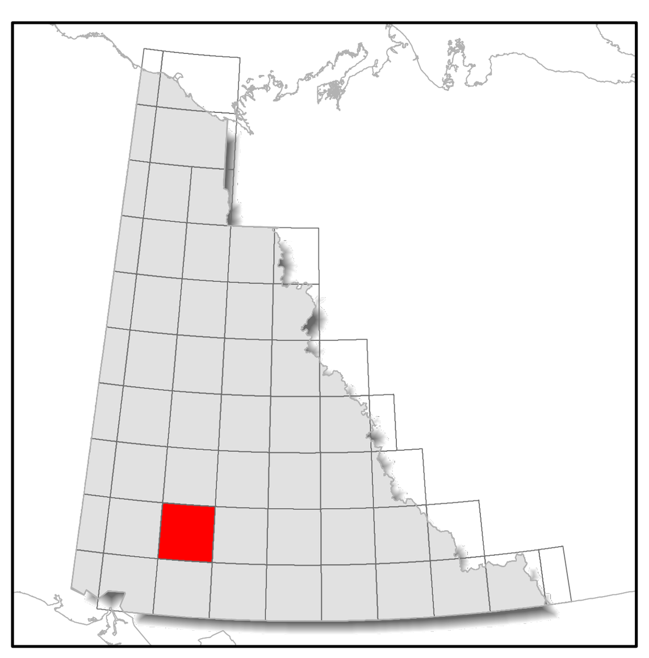
DMF3: FINLAYSON: dark grey to black carbonaceous metasedimentary rocks, metachert

DMF1: FINLAYSON: intermediate to mafic volcanic and volcaniclastic rocks

NEOPROTEROZOIC AND

PDS2: SNOWCAP: light grey to buff weathering marble

PDS1: SNOWCAP: quartzite, psammite, pelite and marble; minor greenstone and amphibolite



1:250 000-scale base data produced by CENTRE FOR TOPOGRAPHIC INFORMATION, NATURAL RESOURCES CANADA

30 metre shaded relief from Geomatics Yukon www.geomaticsyukon.ca

BEDROCK GEOLOGY

AISHIHIK LAKE (115H)

YUKON

0 5 10 15 20 25

kilometres

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.