LEGEND (Figure 3, modified from Piercey et al., 2008)

Mesozoic and Cenozoic


undifferentiated intrusions


undifferentiated volcanic rocks

NORTH AMERICAN CONTINENTAL MARGIN

Paleozoic


undifferentiated formations of Selwyn Basin, Cassier Platform, Earn Group and Mt. Christie Formation

Triassic


grey shale, siltstone and limestone

POST - YYT/SMT AMALGAMATION

Permian to Triassic

Simpson Lake group


polymictitic conglomerate, sandstone, siltstone, mafic and felsic volcanic rocks, limestone

SLIDE MOUNTAIN TERRANE

INTRUSIVE ROCKS

Early Permian


ultramafic and mafic intrusions

SLIDE MOUNTAIN TERRANE (SMT)

LAYERED ROCKS

Lower Permian


quartzite


limestone

Lower Permian

Campbell Range formation


basalt and varicoloured chert

Carboniferous?

Fortin Creek group


dark phyllite and chert, varicloured chert, chert-pebble conglomerate, sandstone, limestone

YUKON-TANANA TERRANE

INTRUSIVE ROCKS

Early Mississippian

Simpson Range plutonic suite


granite, quartz monzonite, granodiortie

Late Devonian to Early Mississippian

Grass Lakes plutonic suite


granite, quartz monzonite augen granite


ultramafic and mafic intrustions, Big Campbell and Cleaver Lake thrust sheets

YUKON-TANANA TERRANE (YTT)

LAYERED ROCKS

Lower Permian

Money Creek formation


dark phyllite and sandstone, chert, chert-pebble conglomerate, diamictite

Upper Mississippian to Lower Permian

Whitefish limestone


massive bioclastic limestone

Lower Mississippian

Tuchitua formation


intermediate, felsic and mafic volcanic rocks, sandstone, chert, limestone

Wolverine Lake group


undifferentiated mafic and felsic volcanic rocks and dark clastic rocks

Upper Devonian to Lower Mississippian

Cleaver Lake formation


calc-alkaline basalt, rhyolite, chert and volcanic derived snadstone

Waters Creek formation


felsic to intermediate metavolcanic rocks and carbonaceous phyllite

Grass Lakes group


felsic to intermediate metavolcanic rocks and dark clastic rocks of the Fire Lake, Kudz Ze Kayah, and Wind Lake formations

North River formation


quartzose metaclastic rocks, marble and non-carbonaceous pelitic schist