

## 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

## INTRUSIVE ROCKS

### Early Mississippian

#### Simpson Range plutonic suite

granite, quartz monzonite, granodiorite

### Late Devonian to Early Mississippian

#### Grass Lakes plutonic suite

granite, quartz monzonite augen granite

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

## 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, variclouded chert, chert-pebble conglomerate, sandstone, limestone

## SLIDE MOUNTAIN TERRANE

## INTRUSIVE ROCKS

### Early Permian

ultramafic and mafic intrusions

## NORTH AMERICAN CONTINENTAL MARGIN

### Paleozoic

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

## POST - YYT/SMT AMALGAMATION

### Permian to Triassic

#### Simpson Lake Group

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

### Triassic

grey shale, siltstone and limestone

### Mesozoic and Cenozoic

undifferentiated intrusions

undifferentiated volcanic rocks

Modified from Piercey et al. (2008)

## STRATEGIC METALS LTD.

### FIGURE 4

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

## REGIONAL GEOLOGY

### ARM PROPERTY

0 5 10 15 20 25 km

FILE: ...2011/ARM/FIGURES/REGIONAL\_GEOLOGY

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Compiled and modified from Murphy et al. (2006), Mortensen and Murphy (2005), and Lipovsky (2004).

