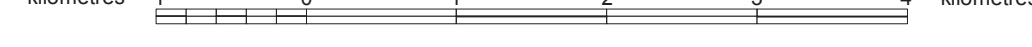


OPEN FILE 5487
BEDROCK GEOLOGY
FOX CREEK
YUKON

Scale 1:50 000/Echelle 1/50 000



Universal Transverse Mercator Projection / North American Datum 1983 / Système de référence géodésique nord-américain, 1983 / Système de référence géodésique du Canada 2012

Grid reference table with columns for Easting (105 K04 to 105 J04) and Northing (105 F10 to 105 G10).

LEGEND

- QUATERNARY: Q - Unconsolidated sediments: alluvium, glacioluvial deposits, moraine, till, landslide debris and fans, talus.
MID-CRETACEOUS: Kqfp - Light grey and green quartz-feldspar porphyry dykes; aphanitic to very fine-grained quartz-feldspathic groundmass...
INTRUSIVE ROCKS: uKi - Dark brown weathering, dark green, biotite lamprophyre dykes...
ALLOCHTHONOUS ROCKS: CPScv - Resistant, dark grey weathering, dark green, fine-grained amphibole and amphibolite gneiss...
UPPER TRIASSIC: uTh - Dark grey and buff weathering, recessive, thin bedded, bioclastic limestone...
PERMIAN: Ps - STARR FORMATION: recessive, dark grey weathering, thin bedded, interstratified buff yellowish siltstone and brown argillite...
MISSISSIPPIAN: MFV - SEAGULL GROUP: FELSIC VOLCANIC FORMATION: Heterogeneous, lapilli and sand sized tuff, volcanic breccia and flow rocks...
UPPER DEVONIAN AND MISSISSIPPIAN: uDMBS - RECESSIVE, thin bedded, black, siliceous slate with minor interbedded chert-grain greywacke and chert-granule grit...
DEVONIAN AND MISSISSIPPIAN: DMSS - SILICEOUS SLATE FORMATION: moderately resistant, black, graphitic, siliceous and pyritic slate...
DEVONIAN (UPPER): Dvc - Orange weathering, pale green, resistant calcite-amygdales basalt...
ORDOVICIAN TO DEVONIAN: ODD-R - MOUNT ROSS MEMBER: orange buff weathering, resistant, medium grey, thin to medium bedded...
ORDOVICIAN TO DEVONIAN: ODD-S - SOOTY SLATE MEMBER: Black and recessive weathering, calcareous, graphitic, 'sooty' slate and silty slate...
UPPER SILURIAN TO DEVONIAN: SDH - RECESSIVE, medium grey to buff weathering, medium to thick bedded orthoquartzite, dolomite sandstone and sandy dolomite...
UPPER SILURIAN TO DEVONIAN: SDP - PORCUPINE FORMATION: Resistant, medium grey to light buff weathering, medium- to thick bedded dolomite, sandy dolomite and dolomitic sandstone...
UPPER SILURIAN TO DEVONIAN: SDB - BARTE MOUNTAIN FORMATION: Resistant, medium grey to buff and light orange weathering, medium- to thick bedded dolomite, sandy dolomite and dolomitic sandstone...
UPPER SILURIAN TO DEVONIAN: SDBq - RECESSIVE, thick bedded, orange weathering, dolomite-cemented quartz sandstone and sandy dolomite...
UPPER SILURIAN TO DEVONIAN: SDBd - RESSISTANT, light grey, buff and light orange weathering, medium bedded dolomized laminated limestone to success dolomite and dolomitic calcarenite...
UPPER SILURIAN TO DEVONIAN: SDBq - RECESSIVE, thick bedded, orange weathering, dolomite-cemented quartz sandstone and sandy dolomite...
UPPER SILURIAN TO DEVONIAN: SDBr - RESSISTANT, thick bedded to massive, brilliant red to orange weathering, coarsely success dolomite, minor sandy dolomite...
ORDOVICIAN AND SILURIAN: SP - SLATE FORMATION: Tan, medium grey, and locally deep maroon weathering, light grey to buff, thin bedded to platy, dolomitic siltstone, very fine-grained dolomitic sandstone and minor silty dolomite...
UPPER CAMBRIAN AND ORDOVICIAN: COC - CANYON FORMATION: Resistant, brown weathering, thinly interbedded shale, calcareous siltstone and argillaceous limestone...
CAMBRIAN, ORDOVICIAN AND SILURIAN: OSM - MOUNTAIN FORMATION: Recessive, black locally calcareous, fissile granitic slate...
UPPER CAMBRIAN AND ORDOVICIAN: uCOR - RAIN FORMATION: Orange to orange-brown weathering, recessive, medium grey, thin bedded...
UPPER CAMBRIAN AND ORDOVICIAN: uCOC - CLOUTIER FORMATION: Medium grey, recessive weathering, lustrous, dark grey chertite-muscovite-quartz phyllite...
UPPER CAMBRIAN AND ORDOVICIAN: uCOCv - Olive-green, massive, sandy and fine-grained tuff and luffaceous slate...
UPPER CAMBRIAN AND ORDOVICIAN: uCOCb - RESSISTANT, dark weathering, massive, dark green and dark maroon basalt with calcite amygdales...
UPPER CAMBRIAN AND ORDOVICIAN: uCOCg - Olive-green, sandy and fine-grained tuff and luffaceous slate...
UPPER CAMBRIAN AND ORDOVICIAN: uCOCd - RESSISTANT, dark grey weathering, massive, saussuritized, dark green, medium- to fine-grained diabase or diorite...
LOWER CAMBRIAN: ICM - MCCOMWELL RIVER FORMATION: Recessive weathering, grey, thin bedded, calcareous argillite, limestone and calcareous siltstone...
DEVONIAN (UPPER): ICP - PYRITIC SLATE MEMBER: Recessive weathering, thinly laminated, graphitic, black pyritic slate...
ORDOVICIAN TO DEVONIAN: ICMd - Orange red weathering, resistant, massive, coarsely crystalline red success dolomite...
UPPER SILURIAN TO DEVONIAN: ICM-S - SILTY LIMESTONE MEMBER: Resistant, black to dark grey, thin bedded and laminated, silty limestone...
UPPER SILURIAN TO DEVONIAN: ICM-SC - SCRIVY Limestone MEMBER: White weathering, resistant marble, recrystallized lime mud and bioclastic limestone...
UPPER SILURIAN TO DEVONIAN: ICP - PASS PEAK FORMATION: Dark weathering, dull khaki-green, thin bedded, silty slate and shaly quartzite...
UPPER SILURIAN TO DEVONIAN: ICM-L - LAPTE MEMBER: Resistant, light grey weathering, light grey, massive limestone and marble...
UPPER SILURIAN TO DEVONIAN: ICM-P - Injection migmatite of muscovite-biotite gneiss, augen gneiss and schist with silty, dykes and small plugs of fine-grained biotite granite...
LATE TERTIARY OR QUATERNARY: OTvb - RESSISTANT, brown weathering, brown fresh basalt and basalt breccia...
TERTIARY: Ts - ROSS RIVER CONGLOMERATE: White weathering, poorly indurated sandstone, conglomerate and shale...
CRETACEOUS: Kqm - RESSISTANT, blocky weathering, mainly equigranular and medium grained, but locally porphyritic (with potassic feldspar), homogeneous, grey, biotite-quartz monzonite...
CARBONIFEROUS AND PERMIAN: CPAv - ANVIL ALLOCHTHONOUS ASSEMBLAGE: Resistant, dark grey weathering, massive, dark green, basaltic gneiss...
PALEOZOIC OR MESOZOIC: FMNw - INSLITU ALLOCHTHONOUS ASSEMBLAGE: Black, siliceous phyllonite and medium green amphibole-chlorite phyllite...
PROTEOZOIC OR CAMBRIAN: Pn - MINN COMPLEX: Blocky, medium-grey weathering, biotite-muscovite-quartz feldspar augen gneiss...
SYMBOLS: Geographical boundary, Geological orientation, Bedding orientation, Foliation, Joints, Anticline or ororium, Syncline or synform, Fault, Contraction fault, Extension fault, Strike-slip fault, Lineament, Gossan, Mineral locality, Fossil locality, Radiometric age determination sample locality, KAr date on biotite-d, hornblende-h and rock in Ma.

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Geology by D.J. Tempelman-Kluit, Geological Survey of Canada (1974-1977) with contributions from previous work by J.A. Rodick, L.H. Green and J.C. Wheeler
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Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada.
Digital base map from data compiled by Geomatics Canada, modified by DDD
Some geographical names subject to revision
Mean Magnetic declination 2012, 22° 11' E, decreasing 23.5' annually
Elevations in feet above mean sea level
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