

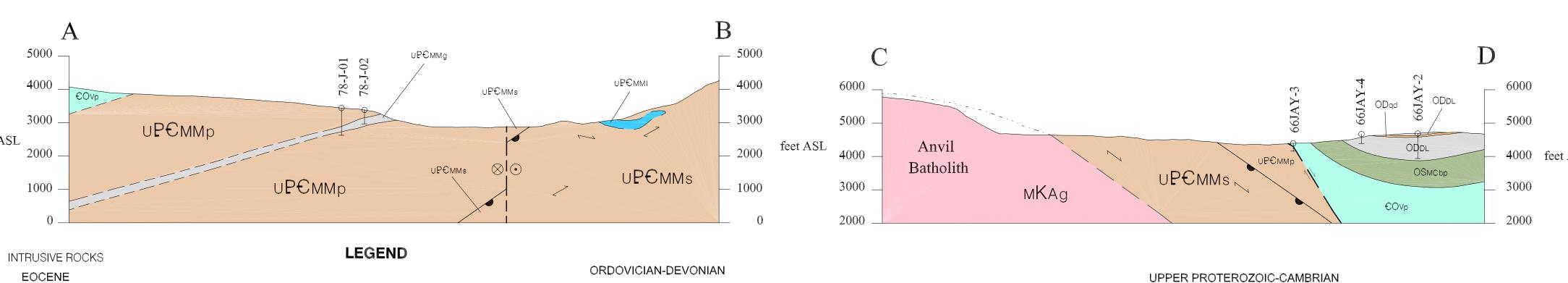
CONTOUR INTERVAL 100 FEET

Elevations in feet above Mean Sea Level

North American Datum 1983 Transverse Mercator Projection

ZONE 8

YUKON INDEX MAP



quartz sandstone and dolostone quartz-feldspar porphyry

CRETACEOUS

granite to granodiorite undifferentiated grey, resistant, generally medium- to coarse-grained, locally megacrystic, MKUg undifferentiated Tay River plutonic suite or Anvil plutonic suite granite to granodiorite

white-weathering, aphanitic to fine-grained, locally flow-banded quartz-feldspar

Eqfp porphyry; commonly contains phenocrysts of smoky grey quartz, biotite and

Tay River plutonic suite MKTRg Orchay phase - biotite ± hornblende granite to granodiorite

Anvil plutonic suite MKAg Mount Mye phase - biotite-muscovite granite; locally foliated

PERMIAN?

white feldspar

gabbro, harzburgite, serpentinite

mafic and ultramafic intrusive rocks; locally extensively sheared and Ps - serpentinite; Phz - harzburgite; Pg - gabbro

ORDOVICIAN-SILURIAN

dark green, locally magnetic, coarse- to fine-grained, massive to foliated gabbro; subvolcanic dykes and sills to Menzie Creek basalts (OSMCb); enclosing phyllites locally display thin contact metamorphic aureoles

dark green, locally magnetic, coarse-grained, massive to foliated, variably serpentinized pyroxenite; subvolcanic dykes and sills to Menzie Creek basalts (OSMCb); enclosing phyllites locally display thin contact metamorphic aureoles

LAYERED ROCKS

YUKON-TANANA TERRANE

resistant, massive, polymictic conglomerate; clasts include quartzite, chert, limestone and serpentinite; matrix contains detrital muscovite dark grey carbonaceous, locally calcareous shale or siltstone interbedded with

medium to dark grey, fine-grained limestone interbedded cherty argillite, chert, sandstone and mafic greywacke or

massive, dark green, fine-grained to aphanitic basalt; may be equivalent to Anvil Range Group basalt

PALEOZOIC

metasedimentary and metavolcanic rocks

medium to dark grey, locally gritty, muscovitic meta-quartzite to quartzose PYq <u>schist</u>; contains bands of greywacke, gabbro, phyllite; rarely contains eclogite PYI grey to tan, massive limestone or dolostone

medium to dark olive green, chloritic phyllite to amphibolite; locally displays Pygr relict equigranular igneous texture; locally includes ultramafic rocks and/or 

Pyog felsic orthogneiss or paragneiss

SLIDE MOUNTAIN TERRANE

Campbell Range formation

Epidotized, locally hematitic, dark green, resistant, massive, poorly foliated PCR <u>basalt or brecciated basalt;</u> contains lesser grey, green, red and black bedded chert, and pale green epivolcaniclastic sandstone or conglomerate

EARLY CARBONIFEROUS-PERMIAN Rose Mountain formation

pale green, tan-weathering, bedded phyllitic chert interbedded with lesser CPRM maroon chert and argillite, especially near top of unit; also contains minor black bedded chert, black chert-pebble conglomerate, siltstone, limestone and

DEVONIAN-PERMIAN

undivided Rose Mountain formation and Mount Aho formation dark grey to black, pale green, and maroon noncalcareous argillite and bedded DPRMMA chert with lesser siltstone, sandstone, chert-pebble conglomerate and limestone

DEVONIAN-EARLY CARBONIFEROUS Mount Aho formation

DCMAba silvery cream, tan-weathering, bedded phyllitic chert with light grey barite beds

dark grey to black, noncalcareous, siliceous argillite and bedded chert with lesser siltstone, sandstone, chert-pebble conglomerate and limestone

pale green, noncalcareous argillite and bedded chert with lesser shale chip and DCMAg siltstone breccia, grey sandstone and chert-pebble conglomerate; locally contains maroon argillite and bedded chert

ANCIENT NORTH AMERICA DEVONIAN-EARLY CARBONIFEROUS

dark grey to black, noncalcareous, siliceous argillite with lesser siltstone, sandstone, chert-pebble conglomerate and limestone

SILURIAN siltstone

105K/3

ANVIL PROJECT INDEX MAP

Use diagram to obtain numerical values APPROXIMATE MEAN DECLINATION 1972 FOR CENTRE OF MAP

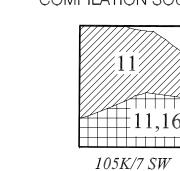
Annual change decreasing 4.2'

dark grey to black, platy, tan-weathering, thinly laminated, dolomitic siltstone

Road River Group

Steel Formation tan- to orange-weathering, dolomitic, bioturbated, silty mudstone

COMPILATION SOURCES



ORDOVICIAN-DEVONIAN

Massive, medium-grained, quartz sandstone interbedded with pale tan-weathering limestone or dolostone

Road River Group Duo Lake Formation

dark grey to black, graptolitic <u>argillite</u>; contains lesser medium to pale grey siltstone and fine sandstone, medium grey limestone and basalt flows

Menzie Creek formation undivided dark grey green, foliated basalt; includes massive and pillowed,

locally amygdaloidal flows and heterolithic or monolithic breccias with lesser limestone, argillite and tuff

monolithic basalt breccia, volcaniclastic sandstone, siltstone and tuff

dark grey green, locally amygdaloidal, massive and pillowed basalt with minor

dark grey green, monolithic basalt breccia with lesser volcaniclastic sandstone, siltstone and tuff, and massive and pillowed flows

grey to off-white limestone locally interbedded with orange-weathering dolostone

CAMBRIAN-ORDOVICIAN Vangorda formation

soft, silvery grey, calcareous phyllite with lesser medium crystalline, grey marble, dark grey to black phyllite and dark green gabbro sills and dykes

pale green and dark purplish brown, thinly banded calc-silicate rock with lesser black schist, marble and dark green gabbro dykes and sills ( ○S a)

black, locally calcareous, carbonaceous phyllite or schist; commonly contains €Ovg thin quartzose siltstone interbeds; interbanded with dark green gabbro dykes and sills (OSg)

€OVI pale to dark grey, foliated <u>marble</u>

SYMBOLS

geological contact (defined, approximate, assumed)... fault or vein-fault, displacement unknown (defined, approximate, assumed).... (defined, approximate, assumed, teeth on hanging wall).. (defined, approximate, assumed, dot on downthrown side)... strike-slip fault (defined, approximate, assumed)... fold surface axial trace (upright anticline, syncline, overturned anticline, syncline).... metamorphic boundary (symbol on higher grade side)..... bedding (tops not known)..... foliation (one tick indicates earliest phase of deformation, two or more ticks indicate subsequent phase(s) of deformation)..... foliation (phase of deformation unknown)...... lineation (one arrow indicates earliest phase of deformation, / 045/05 / 045/05 two or more arrows indicate subsequent phase(s) of deformation)..... igneous compositional banding... igneous mineral lineation.... fault plane orientation, shear band (C-bands) orientation.... shear band plane of flattening (S bands)... mineral lineation/rodding associated with shear bands.....

apparent dip of measured bedding, foliation (in cross-section).... foliation form lines in cross-section.. limit of outcrop, subcrop.... projection to surface of mineralized volume.... isotopic age determination sample location and age includes radiometric age, 2 sigma error, and sample number... barren fossil sample, includes sample reference number....... 🚫 GC-98-05 geochemical sample-whole rock with major oxides, ■ A098, (1) minor and trace elements, includes assay number and reference..... survey control station with station name and elevation (in

diamond drill hole collar (overburden depth/ total depth) in metres..... rotary drill hole collar (overburden depth/ total depth) in metres..... line of cross-section...

primary road....

secondary road, trail, cut line....

UPPER PROTEROZOIC-CAMBRIAN

Mount Mye formation brownish grey, noncalcareous, pervasively foliated <a href="phyllite">phyllite</a>; locally indistinctly UP€MMp bedded; contains minor siltstone, marble, calc-silicate rock, carbonaceous phyllite and dark green gabbro dykes and sills ( OSg )

brownish grey, noncalcareous, pervasively foliated <u>muscovite-biotite schist</u>; may contain staurolite, garnet, andalusite, or fibrolite; locally indistinctly bedded; contains minor siltstone, marble, calc-silicate rock, carbonaceous phyllite and dark green gabbro dykes and sills (  $\bigcirc S_g$  )

pale green and dark purplish brown, thinly banded calc-silicate rock; contains UP€MMcs marble and silicated marble beds and dark green gabbro dykes and sills ( OSg ); lithologically similar to Vangorda calc-silicate rock

dark to pale grey, medium crystalline marble; typically contains abundant boudins of calc-silicate rock and/or quartz; locally contains coarsely crystalline garnet-pyroxene skarn

black phyllite to schist; locally contains lenses and beds of black carbonaceous limestone and dark green gabbro dykes and sills ( ○Sg)

MINERAL OCCURRENCES Yukon MINFILE 105K 34 ADAMSON (ACE) Exploration Target 105K 35 Exploration Target 105K 36 Exploration Target 105K 48 ELBOW Exploration Target ST LUCIE 105K 49 Exploration Target

Exploration Target

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RECOMMENDED CITATION

Pigage, L.C., 2004. Geological map of Blind Creek (NTS 105K/7 SW), central Yukon (1:25 000 scale). Yukon Geological Survey, Geoscience Map 2004-13, also Plate 13 in Bulletin 15.

This map accompanies the bulletin: Pigage, L.C., 2004. Bedrock geology compilation of the Anvil District (parts of 105K/2, 3, 5, 6, 7, and 11), central Yukon. Yukon Geological Survey, Bulletin 15. An earlier version of this map was published as Open File 2000-8 by Exploration

Canada. The legend shown here is for the entire Anvil District (shown in Plate 2 -Geoscience Map 2004-2). Rock units not present in this map area are not

and Geological Services Division, Yukon Region, Indian and Northern Affairs

Digital cartography and drafting by L.C. Pigage, Yukon Geological Survey. Any revisions or additional geological information known to the user would be welcomed by the Yukon Geological Survey.

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A digital PDF (Portable Document Format) file of this map may be downloaded free of charge from the Yukon Geological Survey website at www.geology.gov.yk.ca.

Keep this map in a dark area to keep colours from fading.

coloured in this legend.

Yukon Geological Survey Energy, Mines and Resources Yukon Government

Plate 13 Geoscience Map 2004-13 Geological Map of Blind Creek (NTS 105K/7 SW) Central Yukon (1:25 000 scale)

compiled by

L. C. Pigage