

UPEMMes

105K/6 E

YUKON

SCALE 1:25 000

CONTOUR INTERVAL 100 FEET

Elevations in feet above Mean Sea Level North American Datum 1983 Transverse Mercator Projection

Topographic base produced by SURVEYS AND MAPPING BRANCH DEPARTMENT OF ENERGY, MINES

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ONE THOUSAND METRE

Universal Transverse Mercator Grid

ZONE 8

UPEMMS

GEOLOGICAL SURVEY

UP€MMs

YUKON INDEX MAP

185/19

Anvil

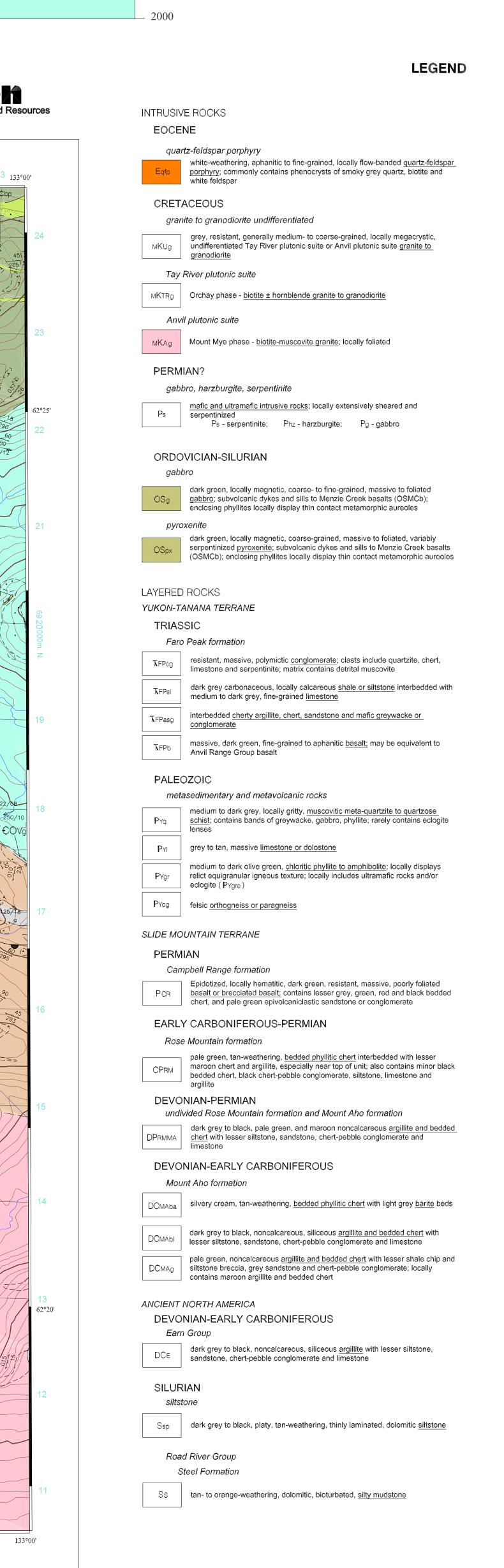
3 W & 6 W 3 E & 6 E

ANVIL PROJECT INDEX MAP

105K/5

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

Annual change decreasing 4.1'



COMPILATION SOURCES

105K/6 E

ORDOVICIAN-DEVONIAN quartz sandstone and dolostone

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

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

Menzie Creek formation

Duo Lake Formation

undivided dark grey green, foliated <u>basalt;</u> includes massive and pillowed, locally amygdaloidal flows and heterolithic or monolithic breccias with lesser limestone, argillite and tuff

dark grey green, locally amygdaloidal, massive and pillowed basalt with minor monolithic basalt breccia, volcaniclastic sandstone, siltstone and tuff

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

grey to off-white <u>limestone</u> locally interbedded with orange-weathering <u>dolostone</u>

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 <u>calc-silicate rock</u> with lesser

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>

UPPER PROTEROZOIC-CAMBRIAN

Mount Mye formation

brownish grey, noncalcareous, pervasively foliated phyllite; locally indistinctly UPEMMp bedded; contains minor siltstone, marble, calc-silicate rock, carbonaceous phyllite and dark green gabbro dykes and sills (OSg)

brownish grey, noncalcareous, pervasively foliated muscovite-biotite schist; 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

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

∪P€MMI 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 (OS_g)

SYMBOLS

eological contact defined, approximate, assumed)		
ult or vein-fault, displacement unknown efined, approximate, assumed)		
rust fault efined, approximate, assumed, teeth on hanging wall)		
ormal fault efined, approximate, assumed, dot on downthrown side)		
rike-slip fault efined, approximate, assumed)		
ld surface axial trace pright anticline, syncline, overturned anticline, syncline)	X	
etamorphic boundary (symbol on higher grade side)	schis	et
edding (tops not known)	<u>090</u> 20	
liation (one tick indicates earliest phase of deformation, o or more ticks indicate subsequent phase(s) of formation)	090 090 20	
liation (phase of deformation unknown)	090	
eation (one arrow indicates earliest phase of deformation, o or more arrows indicate subsequent phase(s) of formation)	1 045/05 A 045/	05
int	<u>090</u> 20	
neous compositional banding	<u>090</u> 20	
neous mineral lineation	/ 045/05	
ult plane orientation, shear band (C-bands) orientation	090	
near band plane of flattening (S bands)	090	
ineral lineation/rodding associated with shear bands	045/05	
pparent dip of measured bedding, foliation cross-section)		
liation form lines in cross-section	/	_
nit of outcrop, subcrop		
ojection to surface of mineralized volume	(III)	
nit of mapping		_
otopic age determination sample location and age acludes radiometric age, 2 sigma error, and sample number	● 69.3 ± 0.5 Ma GSC70-45	
ssil sample, includes sample reference number	① GC-98-05	
rren fossil sample, includes sample reference number	© GC-98-05	
eochemical sample-whole rock with major oxides, inor and trace elements, includes assay number and ference	■ A098, (1)	
rvey control station with station name and elevation (in etres)	HIW10 1500	
amond drill hole collar overburden depth/ total depth) in metres	70X-01 _° (15,	/10
tary drill hole collar overburden depth/ total depth) in metres	70RH-01 _□ (15/	/100
eld station	•	
ench	^	T
e of cross-section	A	

primary road...

secondary road, trail, cut line..

		Yukon MINFILE		
105K 51	♦	ACTION	Vein	
105K 52	♦	MYE (CODY)	Vein	
105K 53	♦	MUR	Vein	
105K 84	*	KANGAROO	Exploration Target	

ISOTOPIC AGE DATES							
Sample	Date	System	Mineral	Comments	Ref		
GSC90-58	54.3±1.2 Ma	K-Ar	whole rock	intrusion cooling	(9)		
GSC92-39	100.4±1.1 Ma	Ar-Ar	muscovite alteration	intrusion cooling	(10,15)		
GSC92-40	100.8±1.1 Ma	Ar-Ar	muscovite alteration	intrusion cooling	(10,15)		
LP99-228	55.8±0.1 Ma	U-Pb	zircon	intrusion	(17)		

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RECOMMENDED CITATION

Pigage, L.C., 2004. Geological map of Mount Mye (NTS 105K/6 E), central Yukon (1:25 000 scale). Yukon Geological Survey, Geoscience Map 2004-10, also Plate 10 in Bulletin 15.

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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 coloured in this legend.

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

Yukon Geological Survey Energy, Mines and Resources Yukon Government

Plate 10 Geoscience Map 2004-10 Geological Map of Mount Mye (NTS 105K/6 E)

Central Yukon (1:25 000 scale)

compiled by L. C. Pigage