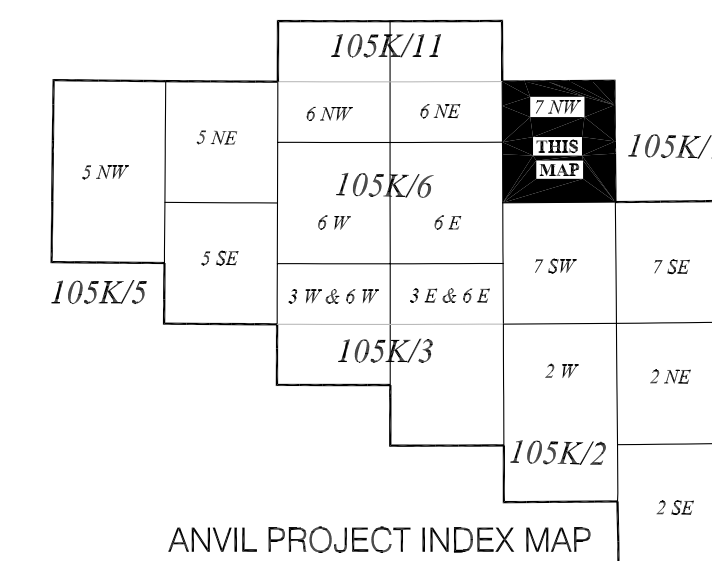
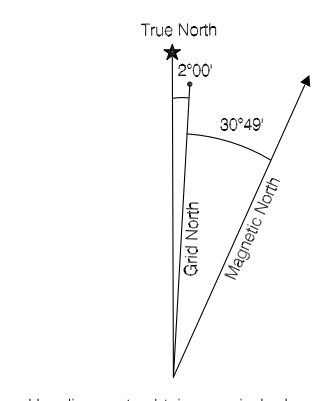
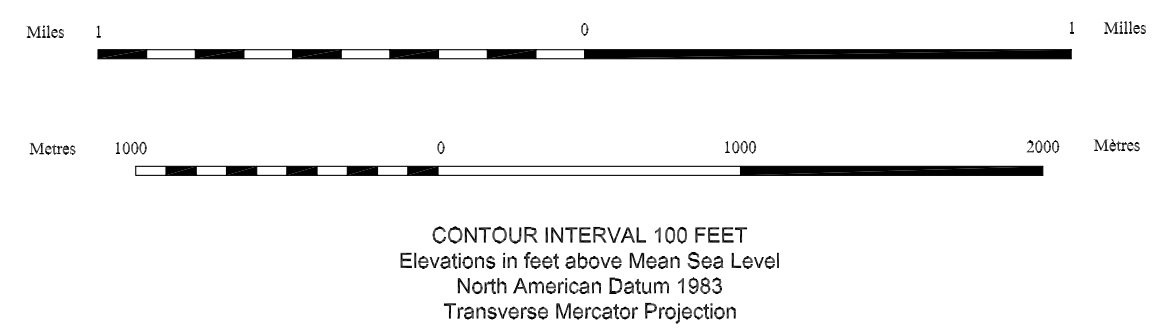


105K/7 NW
YUKON
SCALE 1:25 000



INTRUSIVE ROCKS

Eocene

quartz-feldspar porphyry
Etp
white-weathering, aphanitic to fine-grained, locally flow-banded quartz-feldspar porphyry; commonly contains phenocrysts of smoky grey quartz, biotite and white feldspar

CRETACEOUS

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

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

Anvil plutonic suite
MKAq
Mount Myle phase - biotite-muscovite granite; locally foliated

PERMIAN?

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

ORDOVICIAN-SILURIAN

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

pyroxenite
OSp
dark green, locally magnetic, coarse-grained, massive to foliated, variably serpenitized pyroxenite; subvolcanic dykes and sills to Menzies Creek basaltic (OSMcb); enclosing phyllites locally display thin contact metamorphic aureoles

LAYERED ROCKS

YUKON-TANANA TERRANE

TRIASSIC

Faro Peak formation
TFPq
resistant, massive, polymictic conglomerate; clasts include quartzite, chert, limestone and serpentinite; matrix contains detrital muscovite

TFPw
dark grey carbonaceous, locally calcareous shale or siltstone interbedded with medium to dark grey, fine-grained limestone

TFPsg
interbedded cherty argillite, chert, sandstone and mafic greywacke or conglomerate

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

PALEOZOIC

metasedimentary and metavolcanic rocks
Pht
medium to dark grey, locally gritty, muscovitic meta-quartzite to quartzose schist; contains bands of greywacke, gabbro, phyllite; rarely contains eclogite lenses

Pht
grey to tan, massive limestone or dolostone

Phtg
medium to dark olive green, chloritic phyllite to amphibolite; locally displays relief irregular granular texture; locally includes ultramafic rock and/or eclogite (Phtg)

Phtp
felsic orthogneiss or paragneiss

SLIDE MOUNTAIN TERRANE

PERMIAN

Campbell Range formation
PCr
epidotted, locally hornitic, dark green, resistant, massive, poorly foliated basalt or brecciated basalt; contains lesser grey, green, red and black bedded chert, and pale green spivolcanic sandstone or conglomerate

EARLY CARBONIFEROUS-PERMIAN

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

DEVONIAN-PERMIAN

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

DEVONIAN-EARLY CARBONIFEROUS

Mount Aho formation
DCMAa
silvery cream, tan-weathering, bedded phyllitic chert with light grey brittle beds

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

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

ANCIENT NORTH AMERICA

DEVONIAN-EARLY CARBONIFEROUS

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

SILURIAN

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

Road River Group
Steel Formation
Ss
tan- to orange-weathering, dolomitic, bicarbonate, silty mudstone

INTRUSIVE ROCKS

ORDOVICIAN-DEVONIAN
quartz sandstone and dolostone
ODa
massive, medium-grained, quartz sandstone interbedded with pale tan-weathering limestone or dolostone

Road River Group
Duo Lake Formation
ODL
dark grey to black, gneissic argillite; contains lesser medium to pale grey siltstone and fine sandstone, medium grey limestone and basalt flows

Menzies Creek formation
OSMc
undivided dark grey green, foliated basalt; includes massive and pillowed, locally amygdaloidal flows and heterolithic or monolithic breccias with lesser limestone, argillite and tuff

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

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

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

CAMBRIAN-ORDOVICIAN

Vangorda formation
EOVp
soft, silvery grey, calcareous phyllite with lesser medium crystalline, grey marble, dark grey to black phyllite and dark green gabbro sills and dykes (OS₂)

EOVb
pale green and dark purplish brown, thinly bedded calc-silicate rock with lesser black schist, marble and dark green gabbro dykes and sills (OS₂)

EOVp
black, locally calcareous, carbonaceous phyllite or schist; commonly contains thin quartzose siltstone interbeds; interbedded with dark green gabbro dykes and sills (OS₂)

EOVn
pale to dark grey, foliated marble

SYMBOLS

MINERAL OCCURRENCES

Location No.	Material	Age Range	Ref
O-08030	inarticulate brachiopod	Ordovician, Llanwim to Caradoc	(9)
80033	conodont	late Middle Devonian	(9)
O-304793	conodont	indeterminate - barren	(7)

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RECOMMENDED CITATION

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An earlier version of this map was published as Open File 1999-12 by Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs 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 coloured in this legend.

Digital cartography and drafting by L.C. Page, 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.

Yukon Geological Survey
Energy, Mines and Resources
Yukon Government

Plate 12
Geoscience Map 2004-12
Geological Map of Blind Creek
(NTS 105K/7 NW)
Central Yukon (1:25 000 scale)

compiled by
L. C. Page