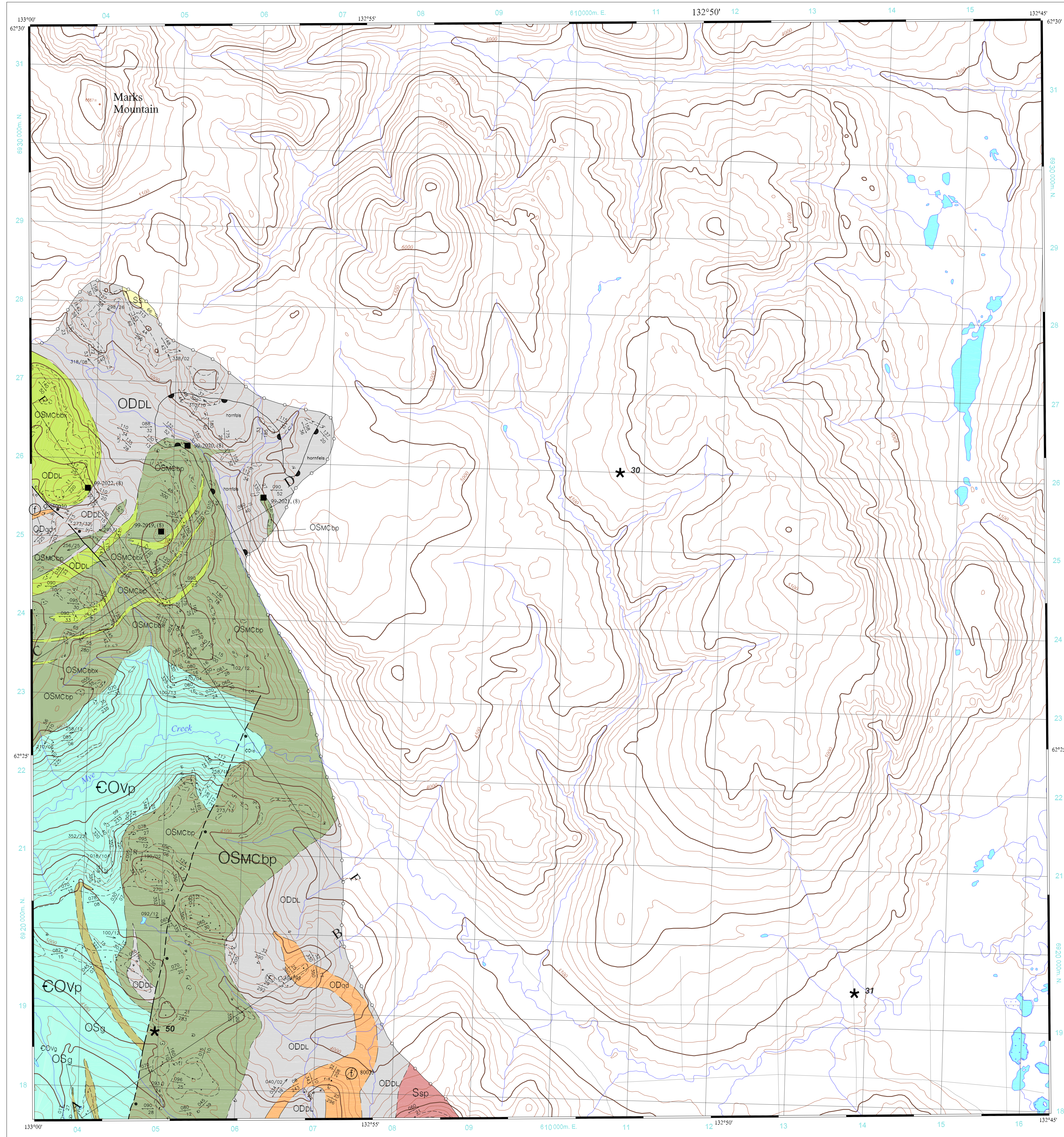


INTRUSIVE ROCKS

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

MKUg 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

MKTrg Orchard phase - biotite ± hornblende granite to granodiorite

Anvil plutonic suite

MKAq Mount Mye 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 basalt (OSMCb); enclosing phyllites locally display thin contact metamorphic aureoles

pyroxenite

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

LAYERED ROCKS

YUKON-TANANA TERRANE

TRIASSIC

Faro Peak formation

TrPcg resistant, massive, polymictic conglomerate; clasts include quartzite, chert, limestone and serpentinite; matrix contains detrital muscovite

TrPsh

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

TrPseq

interbedded cherty argillite, chert, sandstone and mafic greywackes or conglomerate

TrPp

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

PALEOZOIC

metasedimentary and metavolcanic rocks

Prc medium to dark grey, locally gritty, muscovitic meta-quartzite to quartzose schist; contains bands of greywacke, gabbro, phyllite; rarely contains eclogite lenses

Pri

grey to tan, massive limestone or dolostone

Prg

medium to dark olive green, chloritic phyllite to amphibolite; locally displays relief equigranular igneous texture; locally includes ultramafic rocks and/or eclogite (Pgze)

Prg

felsic orthogneiss or paragneiss

SLIDE MOUNTAIN TERRANE

PERMIAN

Campbell Range formation

PrC epitaxial, locally hematitic, dark green, resistant, massive, poorly foliated basalt or brecciated basalt; contains lesser grey, green, red and black bedded chert, and pale green epivolcanic sandstone or conglomerate

EARLY CARBONIFEROUS-PERMIAN

Rose Mountain formation

CPsu 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

DPrua 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

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

DOMai

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

DOMq

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

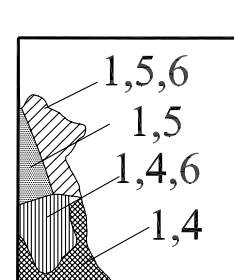
Sic dark grey to black, platy, tan-weathering, thinly laminated, dolomitic siltstone

Road River Group

Steel Formation

SS tan- to orange-weathering, dolomitic, bioturbated, silty mudstone

COMPILATION SOURCES



ORDOVICIAN-DEVONIAN

quartz sandstone and dolostone

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

Road River Group

Duo Lake Formation

ODDL dark grey to black, graphitic 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 (OSg)

EOvs

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

EOvg

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

EOvi

pale to dark grey, foliated marble

UPPER PROTEROZOIC-CAMBRIAN

Mount Mye formation

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

UPCMms brownish grey, noncalcareous, pervasively foliated muscovite-biotite schist; may contain staurolite, garnet, enstatite, or fibrolite; locally indistinctly bedded; contains minor siltstone, marble, calc-silicate rock, carbonaceous phyllite and dark green gabbro dykes and sills (OSg)

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

UPCMH dark to pale grey, medium crystalline marble; typically contains abundant biotite and dark green gabbro dykes and sills (OSg); locally contains coarsely crystalline garnet-pyroxene skarn

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

MINERAL OCCURRENCES

Yukon MINFILE

105K 30	★	LAUREL	Exploration Target
105K 31	★	TRUMP	Exploration Target
105K 50	★	CONNOR	Exploration Target

Dickert, R. 2003. Yukon MINFILE - a database of mineral occurrences. Yukon Geological Survey, CD-ROM.

FOSSILS

GSC Location No.	Material	Age Range	Ref
O-080030	inarticulate brachiopod	Ordovician, Llanvirn to Caradoc	(9)
80033	conodont	late Middle Devonian	(9)
C-304793	conodont	Indeterminate - barren	(7)

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RECOMMENDED CITATION

Pagge, L.C., 2004. Geological map of Blind Creek (NTS 105K/7 NW), central Yukon (1:25,000 scale). Yukon Geological Survey, Geoscience Map 2004-12, also Plate 12 in Bulletin 15.

This map accompanies the bulletin:

Pagge, 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 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. Pagge, 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.