



LEGEND

TERTIARY

T₀

White-weathering, aphanitic to fine-grained, locally flow-banded quartz-feldspar porphyry.

CRETACEOUS

ANVIL PLUTONIC SUITE

mKUs

Grey, medium- to coarse-grained, locally megacrystic, unfoliated granite to granodiorite.

mKM₀

Majority phase - biotite + hornblende granite to granodiorite. Characterized by phenocrysts of arkose grey quartz and white feldspar.

mKO₀

Orchard phase - biotite + hornblende granite to granodiorite.

mKM₀

Mount Mye phase - biotite-muscovite granite. Locally foliated.

TRIASSIC

T₀

Resistant, massive, polymictic conglomerate. Clasts include quartzite, chert, limestone, and serpentinite. Matrix contains detrital muscovite.

T₁

Dark grey orthoconglomerate, locally calcareous shale or siltstone. Interbedded with medium to dark grey, fine-grained limestone.

T₂

Grey, green, red, or black bedded chert.

T₃

Interbedded cherty argillite, chert, sandstone, and mafic gneiss or conglomerate.

T₄

Massive, dark green, fine-grained to aphanitic basalt. Occurs within Vangorda Creek fault zone; may be equivalent to Anvil Range Group basalt.

PALEOZOIC

YUKON-TANANA COMPLEX

PY₀

Medium to dark grey, locally gneiss, muscovite metagabbro to quartzite schist. Contains bands of gabbroic gneiss, gabbro. Rarely contains eclogite lenses.

PY₁

Grey to tan, massive limestone or dolomite.

PY₂Medium to dark green, chlorite phyllite to amphibolite. Locally displays red to orange-brown igneous textures. Locally contains minor eclogite (PY₀).PY₃

Contains lesser beds of medium to dark grey muscovite quartzite to quartzite schist.

PY₄

Granitic orthogneiss, locally with feldspar augen.

PERMIAN

P₂

Mafic and ultramafic rocks of the Vangorda Creek fault zone. Locally extensively brecciated and reworked.

P₃P₂ - serpentinite; P₃ - hardtop; P₄ - eclogite; P₅ - gabbro; P₆ - diabase; P₇ - basalt.

DEVONIAN

ANVIL RANGE GROUP

PARG₀

Expoliated, locally hematitic, dark green, resistant, massive, poorly foliated, basaltic to andesitic basalt. Contains lesser grey, green, red, and black bedded chert and pale green argillite or siltstone.

PENNSYLVANIAN

MOUNT CHRISTIE FORMATION ?

P_{MC}

Pale green, tan-weathering, bedded phyllite (chert). Interbedded with lesser mafic chert and argillite, especially near top of unit. Also contains minor black bedded chert, black chert pebble conglomerate, siltstone, limestone and argillite. May be locally similar to and lithologically equivalent to Mount Christie Formation.

DEVONIAN-PENNSYLVANIAN

UNDIVIDED MOUNT CHRISTIE FORMATION AND EARN GROUP

DPVCE

Dark grey to black, pale green, and mafic, noncalcareous argillite and bedded chert with lesser grey siltstone, sandstone, chert pebble conglomerate, and rhythmically bedded limestone.

DEVONIAN-MISSISSIPPIAN

EARN GROUP

DME

Dark grey to black, noncalcareous, siliceous argillite and bedded chert, with lesser grey siltstone, sandstone, chert pebble conglomerate, and rhythmically bedded limestone.

DME₀

Silvery green, tan-weathering, bedded phyllite (chert) with light grey siltstone beds.

DME₁

Pale green, noncalcareous argillite and bedded chert with lesser pale green shale and siltstone, sandstone, chert pebble conglomerate, and rhythmically bedded limestone.

DME₂

Pale green, noncalcareous argillite and bedded chert with lesser pale green shale and siltstone, sandstone, chert pebble conglomerate, and rhythmically bedded limestone.

ORDOVICIAN-DEVONIAN

UNDIVIDED ROAD RIVER GROUP

ODRH₀

Dark grey to black argillite with lesser medium to pale grey siltstone and fine sandstone, medium grey limestone, and basalt flows. Upper part of unit locally contains middle Devonian limestone beds with 2nd order microfossils. Includes Duo Lake Formation and undivided Devonian sedimentary rocks. Steel Formation is not present.

QUARTZ ARENITE and DOLOSTONE

ODH₀Massive, medium-grained, quartz arenite. Interbedded with pale tan-weathering limestone or dolomite. Interbedded with units OSMC₀, ODRH₀, and DPVCE.

ORDOVICIAN-SILURIAN

ROAD RIVER GROUP

STEEL FORMATION

SS

Tan to orange-weathering, dolomite, bioturbated, silty mudstone. Not differentiated from Steel Formation.

DUO LAKE FORMATION

ODL

Dark grey to black, granodioritic argillite. Contains lesser medium to pale grey siltstone and fine sandstone, medium grey limestone, and basalt flows.

MENZIE CREEK FORMATION

OSMC₀Undivided dark grey green, foliated basalt. Includes massive and pillowed, locally argillaceous flow and tuffaceous or monolithic breccias with lesser limestone, argillite, and tuff. Interbedded with undivided Road River Group (ODRH₀). Duo Lake Formation (OSDL₀) and Menzies Creek basalt (OSMC₀) in Vangorda (COV₀) and Mount Mye (UPCM₀) terranes. Erosion phyllite locally display fine contact metamorphic aureoles.OSMC₁Dark grey green, locally argillaceous, coarse- to fine-grained, massive to foliated gabbro. Subvolcanic dykes and sills to Menzies Creek basalt (OSMC₀) in Vangorda (COV₀) and Mount Mye (UPCM₀) terranes. Erosion phyllite locally display fine contact metamorphic aureoles.OSMC₂Dark green, locally argillaceous, coarse-grained, massive to foliated, variably serpentinized gabbro. Subvolcanic dykes and sills to Menzies Creek basalt (OSMC₀) in Vangorda (COV₀) and Mount Mye (UPCM₀) terranes. Erosion phyllite locally display fine contact metamorphic aureoles.OSMC₃

Dark grey green, medium crystalline mafite. Typically contains abundant inclusions of calc-alkaline and/or quartz. Locally contains coarse crystalline gabbro-syenite.

OSMC₄

Black phyllite to schist. Locally contains lenses and beds of black carbonaceous limestone and dark green gabbro dykes and sills.

CAMBRIAN-ORDOVICIAN

VANGORDA FORMATION

COV₀Soft, silty grey, calcareous phyllite, with lesser medium crystalline grey mafite (COV₁), dark grey to black phyllite (COV₂), and dark green gabbro sills over gabbro (COV₃). Greenish to black equivalent of calc-silicate (COV₄). Regionally correlated with Rubabette Formation.COV₁Pale green and dark purplish brown, thin bedded calc-silicate with lesser black schist (COV₂), mafite (COV₃), and dark green gabbro sills and sills (OSMC₀). Argillite to mafite equivalent of calcareous phyllite (COV₀). Regionally correlated with Rubabette Formation.COV₂Black, locally calcareous, calc-silicate phyllite or schist. Commonly contains thin quartzite siltstone interbeds. Interbedded with dark green gabbro dykes and sills (OSMC₀).COV₃

Pale to dark grey, foliated limestone to mafite.

UPPER PROTEROZOIC-CAMBRIAN

MOUNT MYE FORMATION

UECM₀

Brownish grey, noncalcareous, pervasively foliated phyllite. Locally indistinctly bedded. Contains minor siltstone, limestone, calc-silicate, and carbonaceous phyllite beds and dark green gabbro dykes and sills. Regionally correlated with Duo Lake Formation.

UECM₁

Brownish grey, noncalcareous, pervasively foliated muscovite-biotite schist. May contain siltstone, gabbro, and/or mafite. Locally indistinctly bedded. Contains minor siltstone, limestone, calc-silicate, and carbonaceous phyllite beds and dark green gabbro dykes and sills. Regionally correlated with Duo Lake Formation.

UECM₂Interbedded pale green calc-silicate and purple brown biotite phyllite. Contains thin mafite (COV₀) and dark green mafite and calc-silicate mafite beds and dark green gabbro dykes and sills. Lithologically similar to Vangorda calc-silicate.UECM₃

Dark to pale grey, medium crystalline mafite. Typically contains abundant inclusions of calc-alkaline and/or quartz. Locally contains coarse crystalline gabbro-syenite.

UECM₄

Black phyllite to schist. Locally contains lenses and beds of black carbonaceous limestone and dark green gabbro dykes and sills.

COMPILATION SOURCES

105K/3 NE & 105K/6 SE
YUKON TERRITORY
SCALE 1:25 000Miles 1 0 1
Metres 1000 0 1000 2000CONTOUR INTERVAL 100 FEET
Elevations in feet above Mean Sea Level
North American Datum 1983
Transverse Mercator Projection

YUKON INDEX MAP

ONE THOUSAND METRE
Universal Transverse Mercator Grid
ZONE 8YUKON GEOLOGY PROGRAM
Geological Map of Faro (NTS 105K/3 NE) & Mount Mye (NTS 105K/6 SE), Central Yukon (1:25 000 scale)compiled by
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