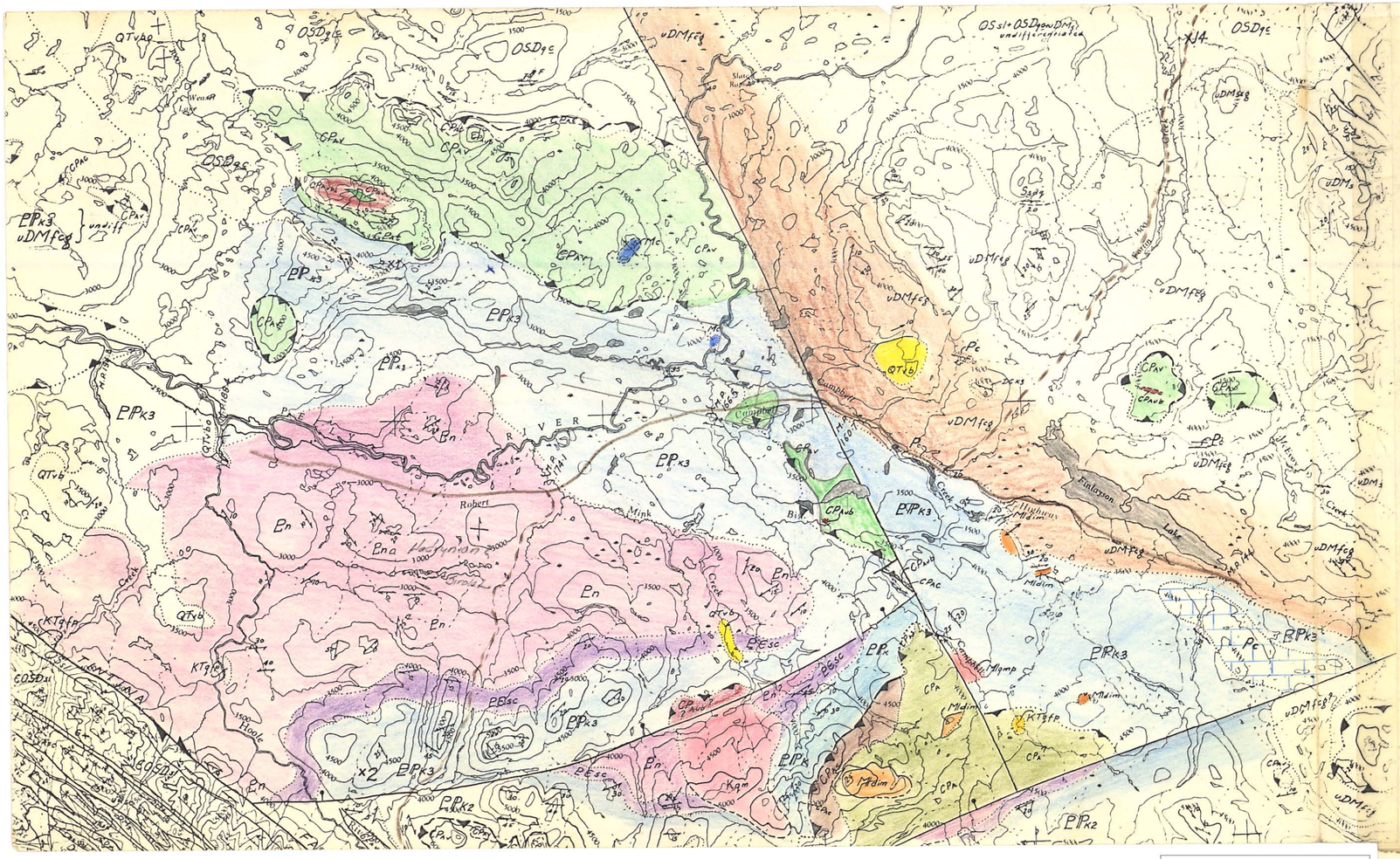

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YUKON GEOLOGICAL SURVEY

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

INTRUSIVE ROCKS

POST- (&SYM-?) TECTONIC

CRETACEOUS

KTqfp — Fresh, acid and intermediate, subvolcanic and volcanic rocks including two main types not differentiated, a dark weathering dacite with stubby hornblendes in a dark green aphanitic groundmass and rusty weathering rhyolite with clear quartz and white albite phenocrysts (locally pyritic)

Kqmp — Blocky, resistant, medium grey weathering, fine-grained biotite quartz monzonite with smoky quartz and white albite euhedra in a quartzo-feldspathic groundmass; gradational with Kqm

Kqm — Resistant, blocky weathering, mainly equigranular medium-grained, but locally porphyritic (white K-feldspar), homogeneous grey biotite quartz monzonite and lesser granodiorite; contacts with Pn are arbitrary and based on the proportion of plutonic rock to the schist

Kqm+ — Biotite quartz monzonite with numerous screens and pendants of schist and gneiss, mainly Pn ; contacts with Pn are arbitrary

MESOZOIC?

Mdim — Dark grey weathering equigranular medium-grained hornblende diorite: occurs as sills

ALLOCHTHONOUS ROCKS

OMINECA CRYSTALLINE BELT

SIMPSON RANGE ALLOCHTHONOUS ASSEMBLAGE

DEVONIAN TO TRIASSIC?

Mqmp — Resistant, medium grey weathering porphyritic (pink K-feldspar) biotite quartz monzonite; generally fresh to weakly saussuritized, locally shattered and recemented, but lacking the cataclastic texture of PMqdm; includes PM qdm undifferentiated

PMqdm — Massive , resistant, medium-grey weathering, blocky, dark green protomylonite and mylonite derived from hornblende granodiorite to quartz diorite. In places the original texture and minerals are fairly fresh and the rock is equigranular medium-grained with subhedral hornblende and blue quartz grains. For the most part the rocks are strongly saussuritized and now appear as quartz chlorite feldspar schist. Locally euhedral white K-feldspar crystals to 5 cm. across are grown across the cataclastic texture. May include Mqmp undifferentiated.

PMqdml — Light rusty weathering, yellow greenish mylonite and ultramylonite derived from hornblende quartz diorite: boundaries with PMqdm are arbitrary.

ANVIL-CAMPBELL ALLOCHTHONOUS ASSEMBLAGE

CARBONIFEROUS AND PERMIAN (POSSIBLY OLDER)

CPAv — Resistant, dark grey weathering, massive, dark green aphanitic basalt and minor augite porphyry; includes CP_{Ab} and CP_{As} undifferentiated

CPAc — Recessive, jasper-red and apple-green chert and cherty tuff; includes CP_{Av} undifferentiated

CPAb — Dark grey weathering, resistant, massive medium-grained pyroxene gabbro; includes CP_{As} and CP_{Av} undifferentiated

CPAub — Resistant dun brown weathering dunite, peridotite and pyroxenite and serpentinized equivalents: includes CP_{As} and CP_{Ac} undifferentiated

CPAs — Yellow green weathering serpentinized peridotite and pyroxenite; includes CP_{Ac} and CP_{Aub} undifferentiated

CPAc — Resistant, orange weathering quartz carbonate rock with minor green chromian muscovite; includes CP_{As} undifferentiated

AUTOCHTHONOUS AND PARAUTOCHTHONOUS ROCKS

PELLY-CASSIAR PLATFORM

006084

PELLY CLAIMS

? ALLOCHTHONOUS?

AGE UNKNOWN

KLONDIKE SCHIST

PPk5 — Resistant weathering metaquartzite with minor graphitic slate

PPk4 — Slightly rusty weathering, white to pale green, muscovite quartz blastomylonite; includes minor fine-grained amphibolite and chlorite quartz and biotite quartz blastomylonite

PPk3 — Pale green muscovite chlorite quartz phyllite and medium green amphibole chlorite phyllite; includes minor black marble; generally strongly sheared with a well developed, slightly recrystallized, cataclastic texture

PPk2 — Black siliceous phyllite and medium green amphibole chlorite phyllite; locally includes much interbedded gritty and pebbly greywacke containing clasts of blue quartz, white K-feldspar and slate chips; locally includes thin black marble lenses undifferentiated: for the most part the rocks are strongly sheared phyllonite

PPk4 — Fairly resistant medium grey weathering, muscovite biotite quartzo-feldspathic gneiss with interfoliated chlorite biotite quartzite, quartz chlorite schist, amphibole chlorite schist and minor white marble: the more metamorphosed equivalent of PPk2 and PPk3 : relationships between PPk2 , PPk3 and PPk4 are gradational: in the southeast part of the area PPk4 and Pn are gradational with each other

?AUTOCHTHONOUS? ROCKS

OMINECA CRYSTALLINE BELT

?WINDERMERE AND CAMBRIAN?

PESc — Buff weathering biotite garnet muscovite schist with interfoliated lenses of coarsely crystalline, light grey marble; includes minor augen gneiss: structurally gradational with augen gneiss (Pn)

Pn — Blocky , medium grey weathering, biotite muscovite quartz feldspar augen gneiss of quartz monzonite composition with minor interfoliated biotite muscovite quartz schist; laterally gradational to ; boundaries arbitrary

Pn+ — Injection migmatite consisting of sills and dykes of fine grained biotite quartz monzonite, aplite and pegmatite, in biotite muscovite augen gneiss and schist: proportion of injected plutonic rocks to the host schist varies widely. Contacts with Kqm are arbitrary, based on the proportion of plutonic rock to schist.

Pn+Kqm — Augen gneiss Pn , injection migmatite Pn+ and biotite quartz monzonite Kqm , undifferentiated

PPk3 — Pale green muscovite chlorite quartz phyllite and medium green amphibole chlorite phyllite; includes minor black marble; generally strongly sheared with a well developed, slightly recrystallized, cataclastic texture

PPk2 — Black siliceous phyllite and medium green amphibole chlorite phyllite; locally includes much interbedded gritty and pebbly greywacke containing clasts of blue quartz, white K-feldspar and slate chips; locally includes thin black marble lenses undifferentiated: for the most part the rocks are strongly sheared phyllonite

AUTOCHTHONOUS AND PARAUTOCHTHONOUS ROCKS

PELLY-CASSIAR PLATFORM

CARBONIFEROUS OR PERMIAN

Mt — White weathering, resistant, massive light grey recrystallized crinoidal limestone; commonly has well developed flaser texture and grades into a marble blastomylonite: includes minor PPk undifferentiated

Mt — Rusty orange weathering, pale green cherty textured volcanic rocks of intermediate composition with less greenish chert; minor black slate; massive medium green intermediate lapilli tuff

UPPER DEVONIAN AND MISSISSIPPIAN

uDMfcg — Resistant, medium grey, chert pebble conglomerate with minor interbedded black slate. For the most part the rocks have a well developed cataclastic texture so that they grade into graphitic siliceous phyllonite

uDMs — Black recessive weathering, with rusty streaks, thinbedded black siliceous slate with minor interbedded chert grain greywacke and chert granule grit

SILURIAN AND LOWER DEVONIAN

NASINA FACIES

OSDgc — Recessive, dark grey to black weathering thinbedded and platy,calcareous and dolomitic graphitic siltstone with minor black graphitic slate: gradational with ,and contains lenses of SDd and SDq undifferentiated

SANDPILE GROUP

Sdq — Interbedded, white weathering, resistant, medium bedded, light grey, algal laminate and sparry dolomite, orthoquartzite and sandy dolomite

Sq — Silvery white weathering, resistant, medium bedded, medium-grained mature orthoquartzite commonly with dolomitic cement; minor interbedded sandy dolomite

Sd — Resistant, light grey and white weathering, massive, medium grey, medium bedded, laminated to sucrose, dolomite; minor sandy dolomite

SILURIAN

Ss — Tan weathering, thinbedded to platy, dolomitic siltstone and silty dolomite

Sshf — White weathering, thinly laminated white and green hornfels; probably the thermally metamorphosed equivalent of Ss ; may include thermally metamorphosed equivalents of Sdq and Sq

UPPER CAMBRIAN AND ORDOVICIAN

KECHIKA GROUP

uCOs — Orange brown weathering, recessive, medium grey slate and slaty phyllite with lenses of pale green tuff; minor calcareous phyllite

WINDERMERE AND LOWER CAMBRIAN

ClCsg — Dark grey weathering, medium green silty slate with some interbedded greywacke made up of white quartz grit in a greenish matrix

ClChf — Rusty weathering, green, white and purplish banded hornfels; thermally metamorphosed equivalents of the late Windermere green silty slate (ClCsg)