



LEGEND

QUATERNARY

17 Alluvium; 17s, landslide; 17g, glacial deposit.

LATE CRETACEOUS TO EARLY TERTIARY

PROSPECTOR MOUNTAIN SUITE

16 16a, quartz-bearing monzonite; 16af, fine grained variety; 16b, quartz-monzonite; 16c, latite, quartz-bearing latite dyke.

CARMACKS SUITE

15 LATE DYKES, INTRUSIONS: 15a, aphanitic andesite, basalt dyke; 15b, very fine to fine grained andesite, latite dyke; 15c, potassic gabbro, monzo-gabbro; 15d, diabase.

14 UPPER VOLCANIC SECTION: 14a, andesite flow; 14b, basalt flow; 14bv, upper, vesicular part of 14b; 14x, breccia, debris flow with fragments of basement rock.

13 LOWER VOLCANIC SECTION: 13a, andesite flow; 13as, andesitic tuffaceous sediments, shale; 13at, andesitic tuff; 13ax, andesitic flow breccia; 13b, basalt, basaltic andesite flow; 13x, breccia, debris flow with fragments of basement rock.

12 BASAL VOLCANIC SECTION: rhyodacite tuff.

EARLY CRETACEOUS

11 COLORADO CREEK BRECCIA: landslide, talus breccia.

10 CARIBOU CREEK CONGLOMERATE: conglomerate, sandstone.

MOUNT-NANSEN SUITE

9 LATE DYKES, INTRUSIONS: 9a, latite, plagioclase, hornblende phenocrysts; 9b, quartz-bearing latite-dacite, plagioclase, quartz hornblende, biotite phenocrysts; 9c, leucocratic rhyodacite, quartz-bearing latite, plagioclase, quartz, k-feldspar phenocrysts; 9d, quartz-bearing monzonite (Mount Cockfield Stock, associated dykes).

8 BOW CREEK GRANITE: (only east of project area)

7 VOLCANIC ROCKS: 7a, andesite, latite flow; 7at, tuff; 7ax, flow breccia; 7b, latite, rhyodacite flow; 7bt, tuff; 7c, latite, rhyodacite dome, plug; 7d, andesite, basaltic andesite flow (Mount Cockfield), tuff, felsic tuff.

DAWSON RANGE SUITE

6 CASINO INTRUSIONS: 6a, fine grained quartz-monzonite; 6b, medium grained, leucocratic quartz-monzonite; 6c, porphyritic, leucocratic quartz-monzonite (Casino); 6d, aplitic quartz-monzonite; 6x, breccia pipe (Casino); 6xc, coarse breccia; 6xi, fine breccia.

5 DAWSON RANGE BATHOLITH: 5a, hornblende-biotite potassic quartz-diorite; 5b, biotite-hornblende granodiorite; 5c, biotite rich, leucocratic quartz-monzonite, granodiorite; 5d, hornblende-biotite diorite.

JURASSIC (?)

4 BIG CREEK SUITE: 4a, hornblende monzonite, quartz-bearing monzonite, common k-feldspar phenocrysts; 4b, hornblende monzonite to diorite; 4c, hornblende.

TRIASSIC (?)

3 KLOTASSIN SUITE: 3a, hornblende-biotite granodiorite to diorite; 3b, leucocratic granodiorite; 3bd, strong cataclastic deformation.

PROTEROZOIC - PALEOZOIC

YUKON METAMORPHIC COMPLEX

2 QUARTZ-FELDSPATHIC GNEISS/SCHIST UNIT: 2a, meta-latite to meta-dacite flow, welded tuff, coarse texture; 2b, meta-latite to meta-dacite flow, tuff, medium to fine texture; 2c, latitic, dacitic, andesitic metasedimentary and meta-tuffaceous rocks, finely layered; 2d, meta-andesite tuff, flow; 2e, amphibolite (meta-basalt), banded amphibolite/felsic gneiss; 2f, orthogneiss, biotite-hornblende quartz-diorite to quartz-monzonite; 2L, recrystallized limestone, interlayered with rocks of Unit 2; 2g, gneiss, derived from Unit 2, parentage uncertain; 2m, migmatite, mixture of 2g and plutonic rocks; 2s, skarn, calcisilicate rock, derived from Unit 2.

1 METASEDIMENTARY UNIT: 1a, quartzite, micaceous quartzite; 1b, quartz-mica schist, after impure quartzite, siltstone; 1c, meta-greywacke; 1d, argillite, slate; 1e, metamorphosed pebble conglomerate; 1f, meta-andesite, tuff, tuffaceous sediments; 1L, recrystallized limestone, interlayered with rocks of Unit 1; 1g, gneiss derived from unit 1, parentage uncertain; 1m, migmatite, mixture of 1g and plutonic rocks; 1s, skarn, calcisilicate rock, derived from Unit 1.

Suffixes

- g - gneissic equivalent when parent rock is known
i - rock containing abundant mafic phenocrysts
p - rock usually porphyritic
z - rock altered, parentage known

SYMBOLS

- Outcrop and felsenmeer
Geological data from Archer Cathro, Godwin or Hayes Creek Resources report
Outline of Alluvium
Geological boundary (defined, assumed)
Bedding (inclined, surface trace)
Igneous foliation (primary)
Schistosity; S1 (inclined, vertical)
S2 (inclined, vertical)
Lineation; L1
Anticline
Syncline
Fault, sense of movement unknown (observed, assumed)
Sample collection site with station number
Mineral deposit or prospect, reference number
Trench
Mineral Locality; gold, silver, copper, molybdenum, zinc, pyrite, hematite

MINERAL OCCURRENCES

Table with 3 columns: Property Number, Name (Commodity), and YEX Number. Lists occurrences 1 through 8 with their respective commodities and YEX numbers.

Indian and Northern Affairs Canada
Exploration and Geological Services Division
Yukon Region

GEOLOGICAL MAP OF SELWYN RIVER MAP AREA (115 J-9)

to accompany

OPEN FILE REPORT 1987-3

Geology of Colorado Creek (115 J-9) and Prospector Mountain (115 I-5) map areas by John G. Payne, Ralph A. Gonzales, Kent Akhurst and Wendy G. Sisson.

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