



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; 14c, 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; 13c, breccia, debris flow with fragments of basement rock.

12 BASAL VOLCANIC SECTION: rhyodacite tuff.

EARLY CRETACEOUS

11 COLORADO CREEK BRECCIA: landslide, talus breccia, sandstone.

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; 6xf, 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 known (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 various mineral occurrences such as ZAPPA (Cu, Mo), ANA (Cu, Mo, Au), CASINO (Cu, Mo, Au), etc.

Indian and Northern Affairs Canada
Exploration and Geological Services Division
Yukon Region
GEOLOGICAL MAP OF COLORADO CREEK MAP AREA (115 J-10)

OPEN FILE REPORT 1987-3

Geology of Colorado Creek (115 J-10), Selwyn River (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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Approximate magnetic declination in 1987 was N28°13'E and decreasing at an annual change of 3.5'.

