



- 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.
- UPPER VOLCANIC SECTION:** 14a, andesite flow; 14b, basalt flow; 14bv, upper, vesicular part of 14b; 14x, breccia, debris flow with fragments of basement rock.
- 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.
- 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)
- 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, hornblendeite.
- 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, calcilicite 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; 1g, recrystallized limestone, interlayered with rocks of Unit 1; 1h, gneiss derived from unit 1, parentage uncertain; 1m, migmatite, mixture of 1g and plutonic rocks; 1s, skarn, calcilicite rock, derived from Unit 1.

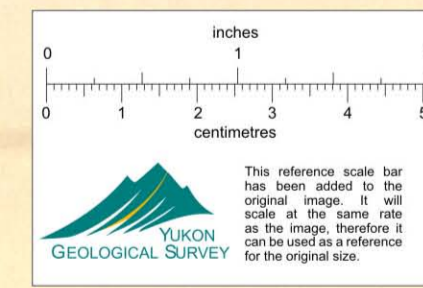
Suffixes

- 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

Property Number	Name (Commodity)	YEX Number
1	SHERIDAN (None)	115 J - (46)
2	OATS (Cu)	115 J - (47)
3	GUESS (Au)	115 J - (48)
4	HAYES (Au, Ag, Cu)	115 J - (4)
5	COCKFIELD (Cu, Mo, Au)	115 J - (7)
6	STRAW (Cu)	115 J - (49)
7	BATTLE (Cu)	115 J - (50)
8	CROCK (Cu)	115 J - (6)



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-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 N27°59'E and decreasing at an annual change of 3.6'

