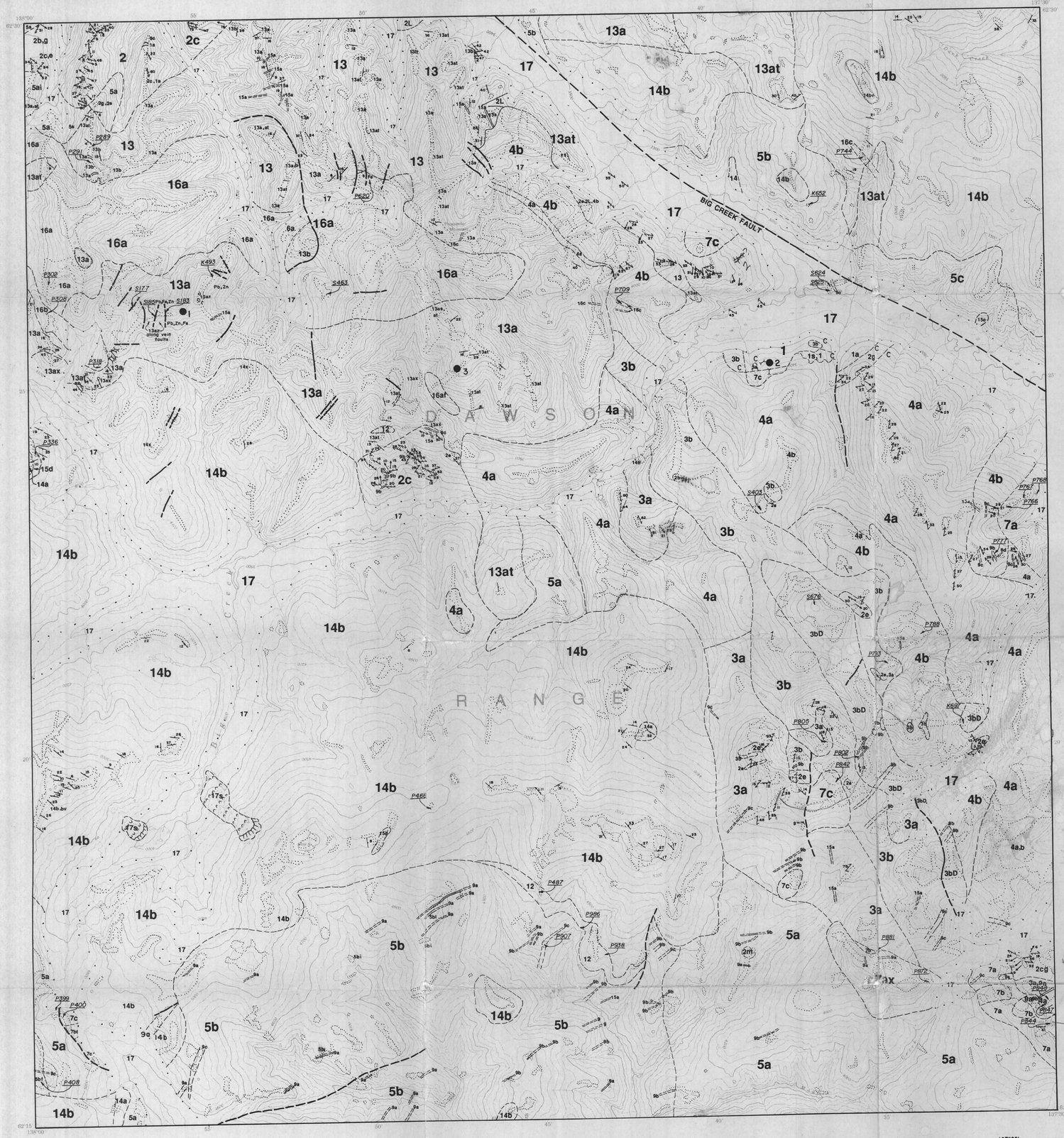
Canada

canada/yukon economic development agreement

Yukon

115I/5



Approximate magnetic declination in 1987 was N30°23'E and decreasing at an annual change of 3.7'.

Scale 1:50,000 Échelle

Miles 1 0 1 2 3 Miles

Metres 1000 0 1000 2000 3000 4000 Mètres

Yards 1000 0 1000 2000 3000 4000 Verges

inches 0 1 2

centimetres 0 1 2 3 4 5

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

YUKON GEOLOGICAL SURVEY

138°30' 137°00' 62°45' 62°00'

115 J/9	115 I/12	115 I/11
115 J/8	115 I/5	115 I/6
115 J/1	115 I/4	115 I/3

Index to adjoining Maps of the National Topographic System

006770

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, sh...; 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; 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, hornblendite

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, migmatit, mixture of 2g and plutonic rocks; 2s, skarn, calcsilicate rock, derived from Unit 2.

1 METASEDIMENTARY UNIT: 1a, quartzite, micaceous quartzite; 1b, quartz-mica schist, ...er impure quartzite, siltstone; 1c, meta-greywacke; 1...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; s, skarn, calcsilicate 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 ..... C,G,H

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 W126

Mineral deposit or prospect, reference number ..... ●2

Trench

Mineral Locality; gold, silver, copper molybdenum, zinc, pyrite, hematite ..... Au,Ag,Cu Mo,Zn,Py,Fe

MINERAL OCCURRENCES

Property Number	Name (Commodity)	YEX Number
1	FROG (Ag, Au)	115 I – (21)
2	CASH (Cu, Mo, Au)	115 I – (23)
3	STARBIRD (Cu, Ag, Zn)	115 I – (22)

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

GEOLOGICAL MAP OF PROSPECTOR MOUNTAIN MAP AREA (115 I-5)

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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