

KELLY CLAIM, CAYCUSE CREEK 92C/15 E $\frac{1}{2}$

Latitude 48°48 1/8, Longitude 124°30'

## PROPERTY FILE

The Kelly claim was mapped in company of Mr. J.M. McNulty, P.A.A. Prospector, on July 22nd and September 29th to October 1st. The claim consists of 4 units staked during the 1975 season.

The claims are underlain by a contact zone between Island Intrusions and Karmutsen volcanic rocks containing limestone. The country rocks are weakly metamorphosed and abundantly fractured and sheared with the result that bedding is obscured and the limestone appears as lenticular bodies in various attitudes with volcanic rocks.

There has been massive replacement of limestone and to a lesser extent volcanic rocks by skarn which contains disseminated sulphides and randomly distributed irregular bodies of massive sulphides. The skarns are, for the most part, exposed on the north side of Caycuse River and form at least 8 bodies which trend in a northeasterly direction in echelon arrangement and have steep northerly dips. The bodies of skarn are commonly bounded by slip surfaces resulting in lenticular forms ranging in dimension from a few feet long and a few inches wide to over 50 feet long and 10 feet wide.

Massive sulphide mineralization within skarn consists of pyrite, pyrrhotite (?) chalcopyrite & minor magnetite in a gangue of garnet, epidote, ilvaite, amphibole (?) and remnant marble. A small amount of galena was seen in association with quartz and epidote in metavolcanic rocks. Assay results provided by Mr. McNulty for mineralized skarn are as follows:

#1	Cu 1.38%;	Ag 0.20 oz/ton	over 5 + feet
#2	Cu 4.75%;	Ag 0.20 oz/ton	over 4 + feet
#3	Cu 4.66%;	Ag 0.60 oz/ton	over 6 + feet
#4	Cu 2.77%;	Ag 0.40 oz/ton	over 4 + feet
#5	Cu 8.61%;	Ag 1.10 oz/ton	over 3 feet
#6	Cu 1.28%;	Ag 0.20 oz/ton	over 5 feet
#7	Cu 7.33%;	Ag 0.90 oz/ton	over 3½ feet

34  
 .20  
 3  
 30.60

Additional samples have been submitted for assay.

PROPERTY FILE

92C125  
 (15E)

34  
 36  
 21  
 3.5 ppm

KELLY CLAIM (Continued)

Potential

It is probable that the potential of this property is limited because the skarns occur very locally in the contact zone. Exposures are good upstream to the east of the contact and although limestone is present no additional skarn was noted.

Recommendation

Consideration should be given for carrying out a small drilling program of about three 200/t and two 400/t drill holes at a low angle along the skarn zone to test:

- (a) number of en echelon skarns encountered.
- (b) amount & grade mineralization in skarns.
- (c) feasibility of a small mining operation.

PROPERTY FILE



KELLY CLAIM  
J. M. McNulty

DEPARTMENT OF MINES AND PETROLEUM RESOURCES  
VICTORIA

SAMPLE RECEIVED FROM K. E. NORTHCOTE

ADDRESS Geological Division

LABORATORY NO.	SUBMITTER'S MARK	LABORATORY REPORT				
		oz/T <u>Au</u>	oz/T <u>Ag</u>	% <u>Cu</u>	% <u>Pb</u>	% <u>Zn</u>
K-1 16097M	Across <sup>0.2 m</sup> 3 ft 75 KN 61	Tr	<sup>17.0 ppm</sup> <del>0.5</del>	2.35	<0.005	0.04
K2 16098M	Across <sup>1.5 m</sup> 5 ft 75 KN 62	Tr	Tr	0.10	<0.005	0.01
K3 16099M	Across <sup>1.5 m</sup> 5 ft 75 KN 63	Tr	<sup>17.0 ppm</sup> <del>0.5</del>	4.57	<0.005	0.13
K4 16100M	Across <sup>1.8 m</sup> 6 ft 75 KN 64	Tr	Tr	0.68	<0.005	0.34

0.5  
34  
17

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DATE November 6, 1975

J. M. McNulty  
CHIEF ANALYST AND ASSAYER.

PROPERTY FILE  
92C125

Kelly Glaim Assays.

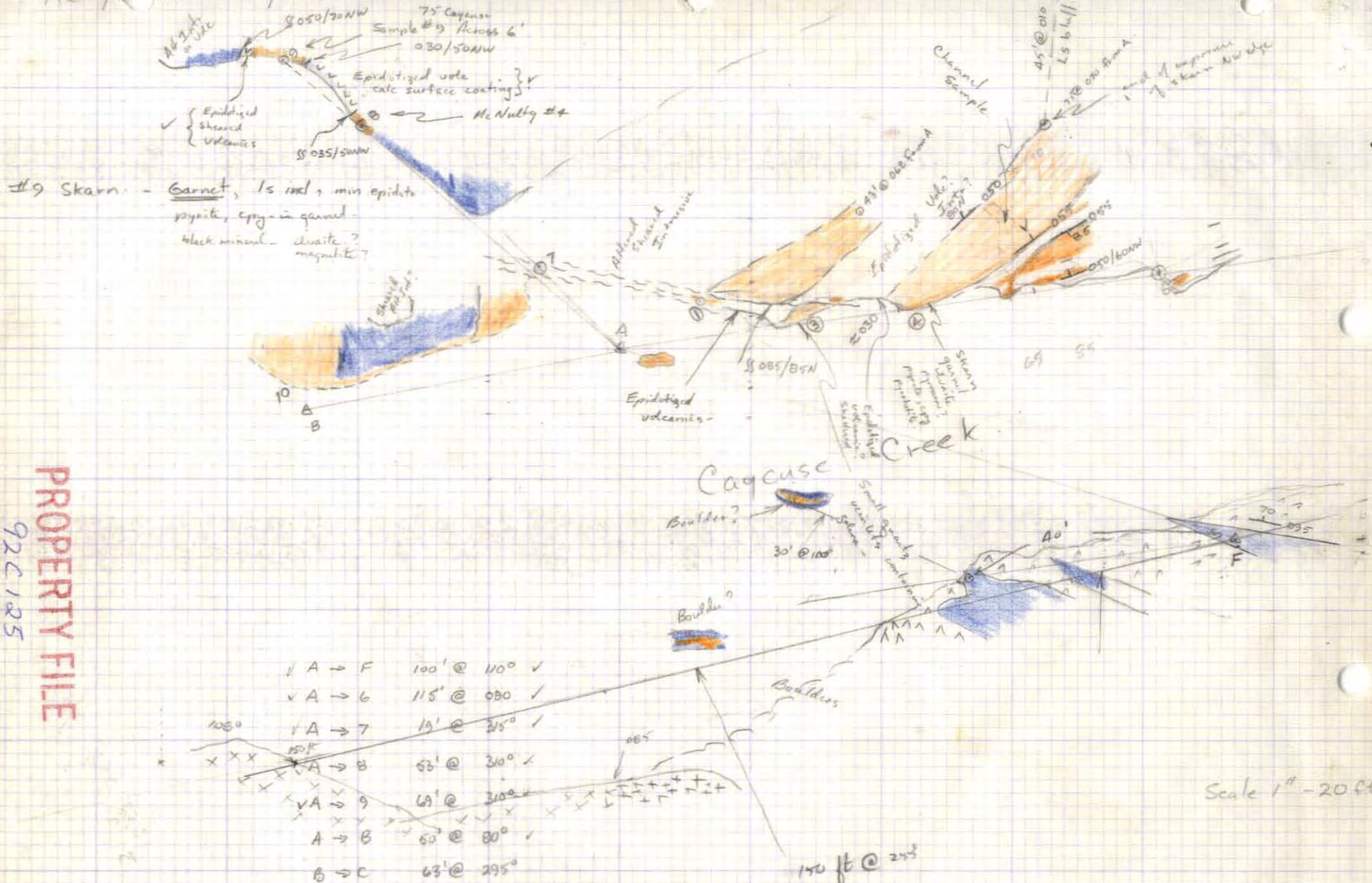
- K-1 75KN61 Assay for Cu Pb Zn Au Ag.      Semi quantitative Spectrographic  
at K-4. chip samples across 3 ft.
- K-2 75KN62 Assay for Cu Pb Zn Au Ag.      Semi quantitative Spectrographic  
at K-9 chip samples across 5 ft.
- K-3 75KN63 Assay for Cu Pb Zn Au Ag      Semi quantitative Spectrographic  
at K-10 chip samples across 5 ft.
- K-4 75KN64 Assay for Cu Pb Zn Au Ag.      Semi quantitative Spectrographic  
at K-12 Chip samples across 6 ft.

92C125  
PROPERTY FILE

METZGEN 100% Rag Trace of Vellum

# Kelly's claim - Cayuse Creek

Sept 30, 1975



PROPERTY FILE  
92C185

Figure 1:

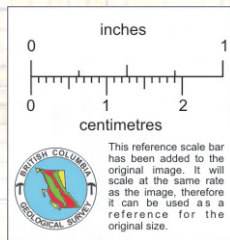
inches

centimetres

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.

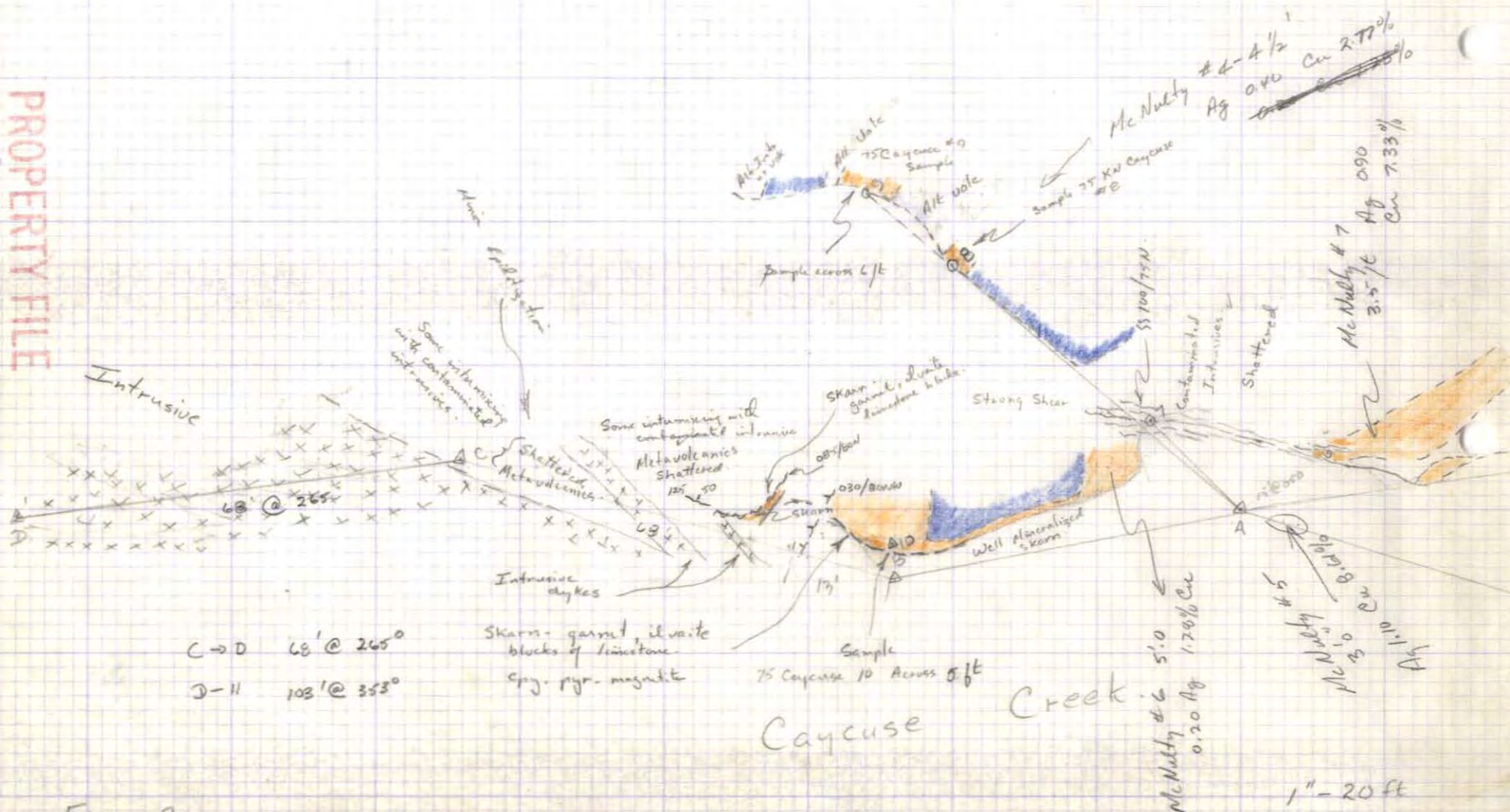
# Kelly Claim Cayuse Creek

Sept 30, 1975



DIETZGEN 100% Bay Tracuy Velium

PROPERTY FILE  
92C125



C → D 68' @ 265°  
D - H 103' @ 353°

Skarn - garnet, ilvaite blocks of limestone  
spy. pyr. magnetite

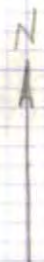
Cayuse Creek

Figure 2

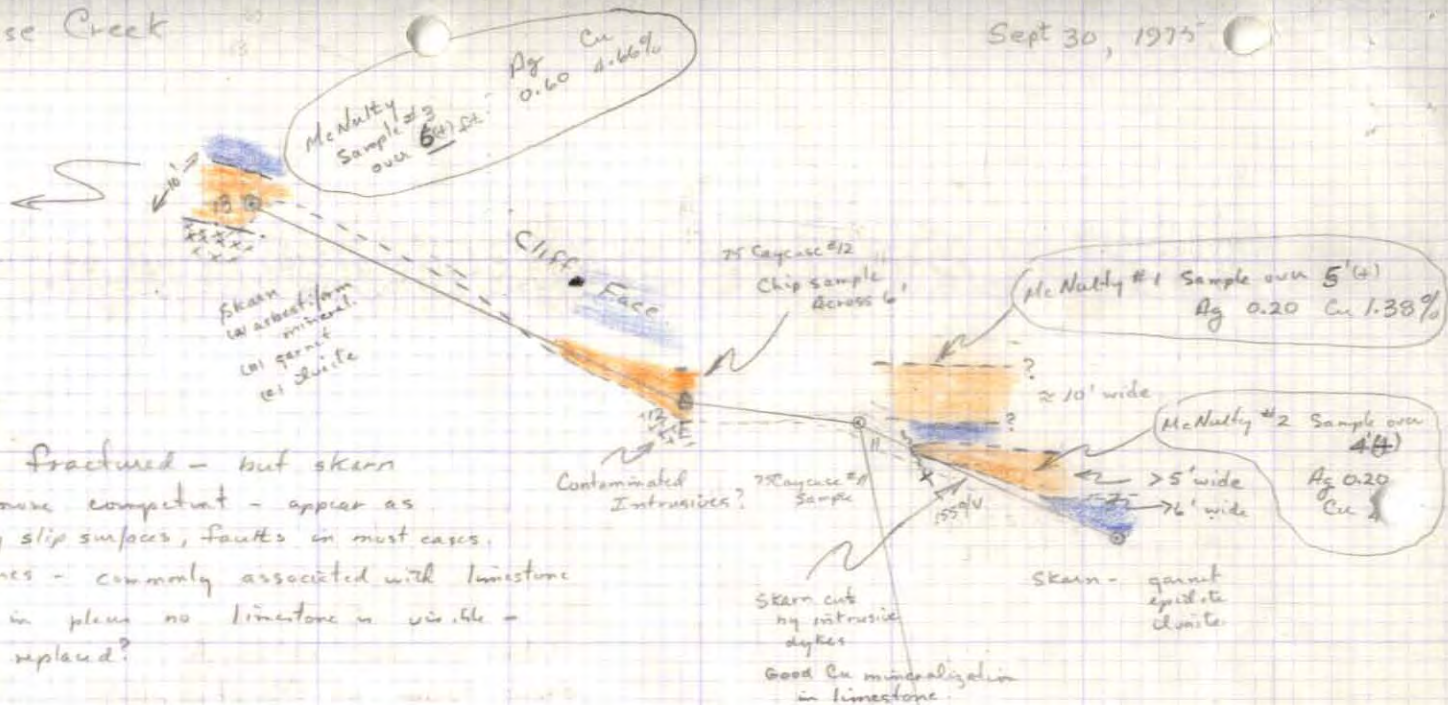
1" = 20 ft

Kelly Claim - Cayuse Creek  
Sketch Map

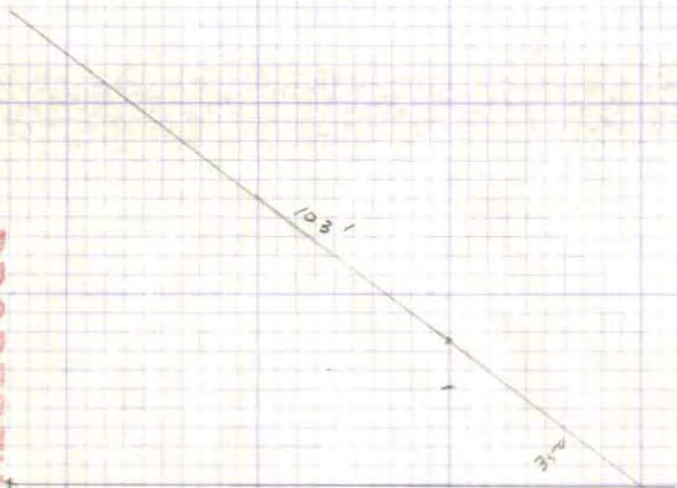
Sept 30, 1975



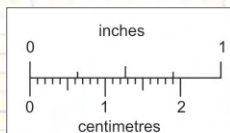
#3  
6'



Rock abundantly fractured - but skarn zones appear more competent - appear as pods bounded by slip surfaces, faults in most cases.  
Note - Skarn zones - commonly associated with limestone although in place no limestone is visible - entirely replaced?



- ✓ C → D 68' @ 265°
- ✓ D → 11 103' @ 375° @ +35° Incl
- ✓ 11 - E(12) 23' @ 095°
- E → 13 63' @ 108°
- 11 → C 30' @ 110°



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Scale 1" = 20 ft

PROPERTY FILE

92C125

Figure 3