

Emile Bouchard.

Arrows Road 3/34
Miles in.

Connect

~~to~~ 7-7667

JACK

1) 1 Case Eggs

2) Frypan

3) Super Charged

Delo 305AE

4) 100' Cable $\frac{3}{8}$ "

5) Crowbar

6) Construction Tools

JUNE 15, 1970

STN	CHIEF	HELPER	ROG	REMARKS
1600S				
2650 E	18 +19 +17N	-18 -22		* LO LO FREQ. HI. FREQ.
2550 E	+23 +23 N	-23 -28		STNS 24, 23 E MISSING
2450 E	+29 +30	-29 -32		
2350 E	+32 +33	-34 -34		
<hr/>				
2350	+34N	-34	0 N	SNOW BETWEEN
	+34N	-36	-1 N	STNS
2250	+32N	-32	0 N	1/2 SNOW
	+33N	-34	-1 N	THIS SIDE
2150	+29N	-29	0 N	1/3 SNOW
	+30N	-30	0 N	THIS SIDE
2050 1950	+26	-25	+1	
	+26	-28	-2	
1950 1850	+23	-23	0	
	+25 N	-25	0 N	
1850	+22	-23	-1	
	+22	-22	0	
1750	+22	-22	0	
	+24	-23	+1	

1600S					
1650 E	+22	-22	0		
	+22N	-26	-4 N	}	
1550	+26	-26	0		
	+26	-28	-2		
1450	+26	-26	0		
	+25	-27	-2		
1350	+27	-26	+1		
	+27N	-29	-2 N		
1250	+25	-26	-1		
	+25	-28	-3		
1150	+25	-25	0		
	+25	-26	-1		
1050	+25	-25	0		
	+24	-25	-1		
950	+25	-25	0		
	+25N	-26	-1 N		
850	+26	-26	0		
	+26	-26	0		
750	+27	-27	0	Minor Show @ 900	
	+27N	-29	-2 N		
650	+26	-26	0		
	+26N	-27	-1 N		
550	+25	-25	0		
	+25	-25	0		
450	+24	-24	0		
	+24	-24	0		

1600 S					
350 E	+26 N	-27	-1 N		
	+26 N	-27	-1 N		
250 E	+33	-34	-1	MUCH SNOW	
	+33 NN	-37	-3 NN	300 E TO 100 W	
2000 S					
150 E	-10 N	+12	+2 N	MUCH SNOW	
	-10 N	+13	+3 N	WITHIN 200'	
250 E	-10	+12	+1	OF 2000 S OE	
	-10	+10	0		
350 E	-11	+11	0		
	-11 N	+11	0 N		
450 E	-10	+10	0	SNOW PATCH	
	-10 N	+10	0 N	50'S OF 300' (100' Diam)	
550 E	-7	+7	0		
	-8	+8	0		
650 E	-7	+7	0		
	-7	+7	0		
750 E	-7	+7	0		
	-7 N	+8	+1 N		
850 E	-7	+8	+1		
	-8	+8	0		
950 E	-8 N	+8	0 N		
	-8	+8	0		
1050 E	-10	+10	0		
	-9	+10	+1		

2000 S					
1150 E	-10	+10	0		
	-12	+10	-2		
1250 E	-10	+11	+1		
	-10	+8	-2		
1350 E	-9 N	+8	-1 N	} TURAM ANOMALY OCCURS FROM 14E TO 17E	
	-11 N	+7	-4 N		
1450 E	-11 N	+10	-1 N		
	-11	+5	-6		
1550 E	-12 N	+12	-1 N		
	-13	+10	-3		
1650 E	-12	+11	-1		
	-12	+11	-1		
1750 E	-7	+7	0	WET GROUND	
	-7	+7	0	1600 E — 1900 E	
1850 E	-4	+3	-1		
	-5	+3	-2		
1950 E	-3	+3	0		
	-4	+2	-2		
2050 E	-4	+3	-1		
	-4	+3	-1		
2150 E	-7	+7	0		
	-7 N	+4	-3 N		
2250 E	-9	+6	-3		
	-11 N	+5	-6 N		
2350 E	-15 N	+15	FR ON		
	-15 N	+10	-5 N		

2000S					
2450E	-11N	+11	0N		
	-15N	+5	-10N		
2550E	-9NN	+9	0NN	50' SNOW	
	-14NN	+2	-12NN	BETWEEN	2400E 2500E
2650E	-5N	+4	-1N		
	-12NNN	-3	-15NNN		
2750E	-3NN	+2	-1NN		
	-10NNN	-7	-17NNN		
2850E	0NN	-3	-3NN		
	-10NNN	-14	-24NNN		
2950E	+5NN	-5	0NN		
	-6NNN	-12	-18NNN		
2400S					
2950E	+10NNN	-14	-4NNN	CASUAL WATER	
	+8NNN	-19	-11NNN	3000E TO 2800E	
2850E	+10NNN	-15	-5NNN		
	+8NN	-23	-15NN		
2750	+18N	-23	-5N		
	+12NN	-26	-14NN		
2650	+20N	-22	-2N		
	+15NN	-26	-11NN		
2550	+26N	-27	-1N		
	+22NN	-32	-10NN		

24005					
2450E	+28NN	-30	-2 NN		
	+27 NN	-32	-5 NN		
2350	+30 N	-30	0 N		
	+30 NN	-33	-3 NN		
2250	+29	-29	0		
	+30 N	-30	0 N		
2150	+27	-27	0		
	+27 N	-25	+2 N		
2050	+25	-24	+1		
	+26	-25	+1		
1950	+24	-24	0		
'	+25	-25	0		
1850	+25	-25	0		
	+26	-27	-1		
1750	+22	-22	0		
	+24 N	-26	-2 N		
1700	+23	-24	-1		
	+22	-24	-2		
1650	+24	-24	0		
	+23 N	-25	-2 N		
1600	+26	-27	-1		
	+26	-27	-1		
1550	+27	-28	-1		
	+27	-29	-2		
1500	+30	-31	-1		
	+30	-32	-2		

2400 S					
1450 E	+33	-33	0		
	+32	-34	-2	SNOW AND WET	
1400 E	+35	-34	+1	GROUND FROM	
	+33 N	-35	-2 N	1600 E TO 1300 E	
1350 E	+33	-34	-1		
	+34	-35	-1		
1250 E	+33	-33	0		
	+32	-33	-1		
1150 E	+30	-30	0		
	+31 N	-31	0 N		
1050 E	+29	-27	+2		
	+28	-29	-1		
950 E	+27	-27	0		
	+27	-27	0		
850 E	+27	-27	0		
	+27	-27	0	↓ DONE OVER	
800 E	+19	-42	-23	NEXT PAGE	
	+19	-42	-23		
750	+19	-42	-23		
	+17	-42	-25		
	+19	-42	-23		
	+19	-42	-23		

2900 S					
850 E	+27 N	-25	+2 N		
	+28 N	-25	+3 N		
700 E	+28 N	-24	+4 N		
	+27 N	-25	+2 N		
750 E	+28	-25	+2		
	+29	-26	+3		
650 E	+30 N	-28	+2 N		
	+30 N	-30	0 N		
550 E	+32	-33	-1	SNOW	600 E TO
	+33 N	-37	-4 N	500 E	
500 E	+34	-32	+2		
	+34 N	-37	-3 N		
450 E	+35	-36	-1		
	+36 N	-36	0 N		
350 E	+36	-36	0		
	+37	-37	0		
250	+34	-35	-1		
300 E	+33	-37	-4		
200 E	+33	-36	-3		
	+35	-37	-2		
150 E	+33	-33	0		
	+33	-33	0		
50 E	+34	-35	-1		
	+35	-36	-1		

2800 S				
150 E	-15 N	+15	0 N	
	-15	+15	0	
250 E	+17	+17	0	
	-17	+16	-1	
350 E	-16	+17	+1	
	-16	+17	+1	
450	-17	+18	+1	
	-16	+14	-2	
550	-14	+14	0	
	-14	+14	0	
650	-14	+15	+1	
	-14	+13	-1	
750	-13	+15	+2	
	-12	+15	+3	
850	-13	+13	0	
	-12	+12	0	
950	-10	+11	+1	
	-11	+11	0	
1050 E	-7	+8	+1	
	-8	+8	0	
1150	-6	+8	+2	
	-8	+8	0	
1250	-10	+10	0	
	-10	+10	0	
1350	-13	+13	0	
	-13	+13	0	

CUB GROUP

JUNE 19, 1970

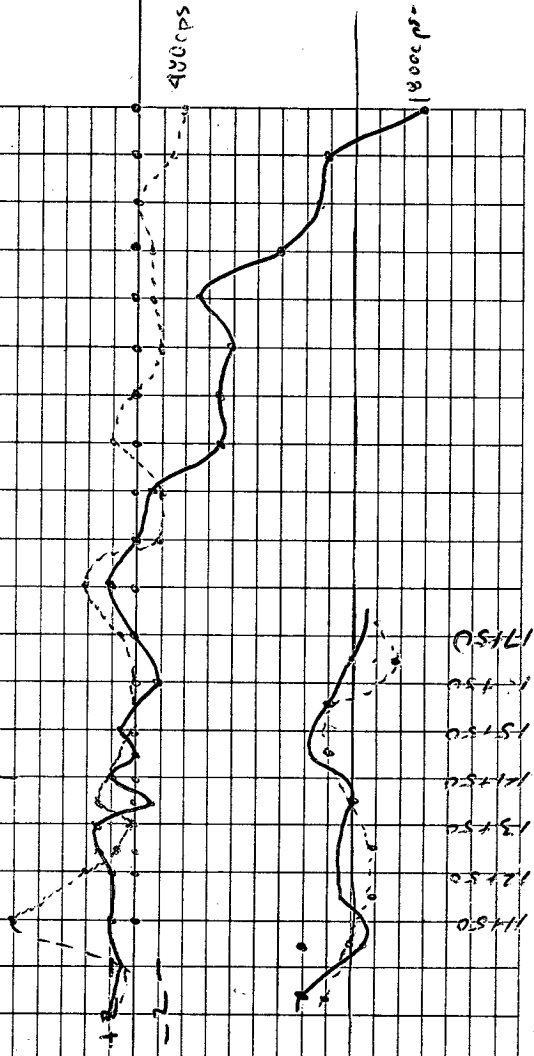
300 FT SPREAD

STN.	HI				
	Chief	Helper	RESULT	NULL WIDTH	Chief
L 205					
28+50E	+1	-25	-24	10	+12
27+50E	+10	-26	-16	10+	+20
26+50	+15	-30	-15	10+	+24
25+50	+20	-32	-12	10+	+28
24+50	+30	-35	-5	5+	+30
23+50	+28	-36	-8	7+	+30
22+50	+25	-32	-7	?	+30
21+50	+20	-27	-7		+26
20+50	+22	-23	-1		+20
19+50	+22	-22	0	1+	+19
18+50	+24	-22	+2	2+	+24
17+50	+25	-25	0	0	+25
16+50	+28	-30	-2	-	+29
15+50	+31	-30	+1	-	+30
14+00	+30	-30	0	-	+30
14+50	+29	-27	+2		+30
14+00	+28	-29	-1		+30
13+50	+30	-27	+3		+26
13+00	+29	-26	+3		+26
12+50	+29	-27	+2		+30
11+50	+30	-28	+2		+34

J. S. BROCK
E. RICHARDS

Lo	Helper	Result	Null Width	NOTES.
	-16	-4		
	-23	-3		
	-24	0		
	-29	-1		
	-31	-1		
	-32	-2		
	-30	0		
	-24	+2		break in slope
	-22	-2		top of slope
	-21	-2		
	-20	+4		
	-24	+1		
	-29	0		
	-30	0		
	-29	+1		
	-28	+2		
	-27	+3		
	-26	0		
	-25	+1		
	-26	+4		
	-24	+10		

Lo.	Helper	Result
	+26	+1
	+27	+2
	+28	+2
	+30	0
	+30	-1
	+27	-1
	+27	0
	+31	+1
	+32	-1
	+33	-2
	+30	-1



1750
1650
1550
1450
1350
1250
1150

mg Ti^c amyg basalt

(1A)

amyg basalt

alteration dk

500'

150'

amyg basalt,
350[?]/50[±]E

amyg b. N1500E

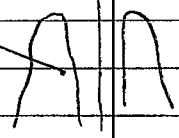
colours dk. purple
↑ dk gn.

100'

2A amyg b.
w. py 1% + anhyd.?

dk purple
amyg (gn) basalt
345 / 25[±]E

(3A)



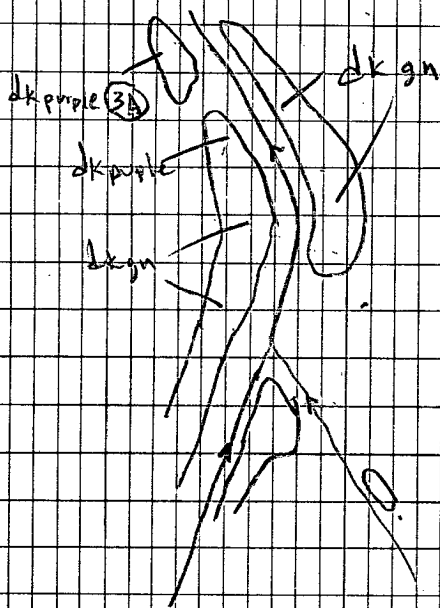
G. Richards

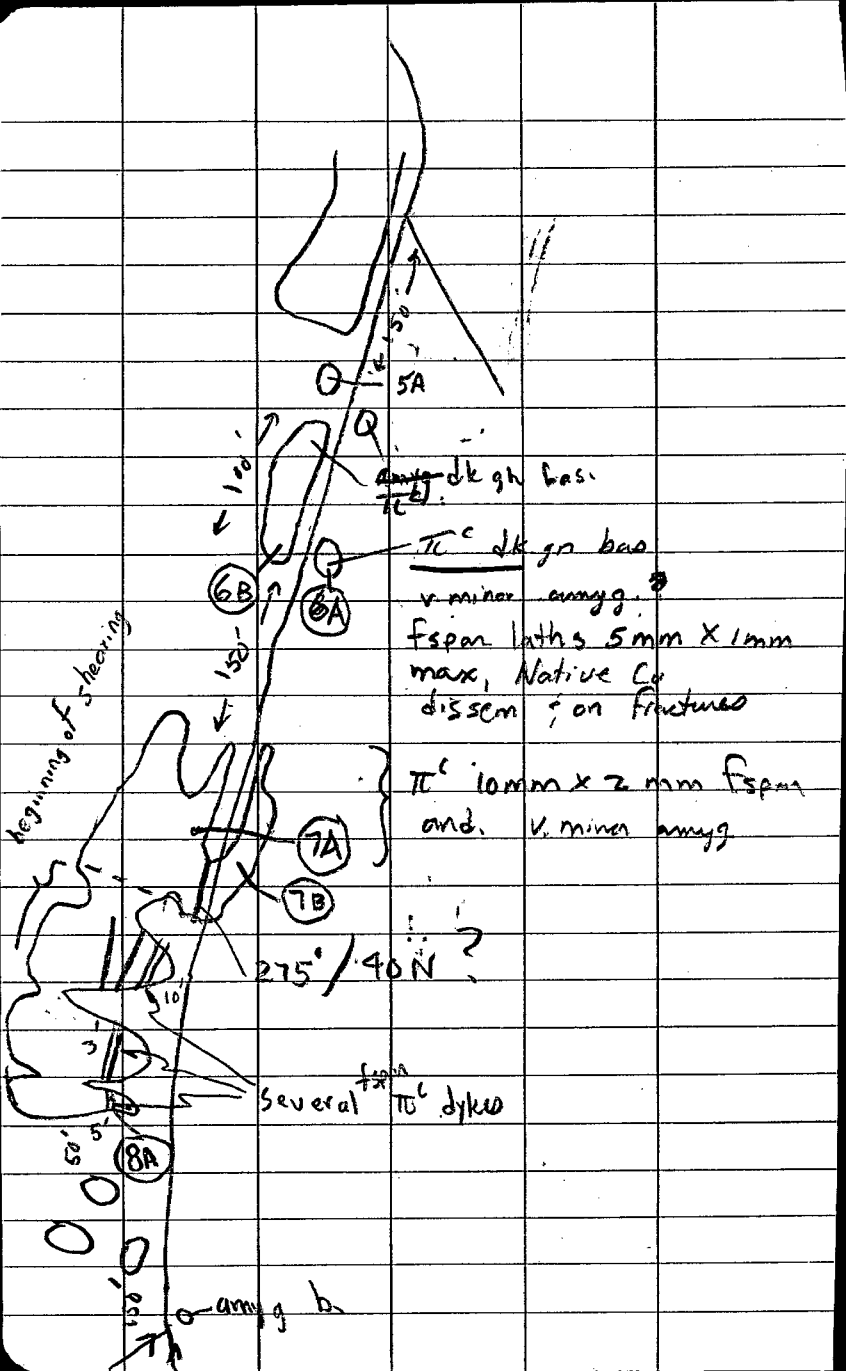
July 5/70

D. Jones

(3A) 18" gn π^c and dyke containing
 $\frac{1}{4}$ \leq .1% native Cu.
Cu min + Mc also on epidote fractures

(4A) 100' below junction of dks
ep Patches of this up to
5' diam. occur in amygd basalt.
Alt = Volcanics.





5A

amygdaloidal bas.

TC^c dk gn bas

v. minor amygd.

fspan laths 5mm x 1mm max, Native Co dissem. on fractures

TC^c 10mm x 2mm fspan and v. minor amygd.

275° / 40N ?

Several f^x TC^c dykes

amygdaloidal bas.

beginning of shearing

100

150

50

100

8A

7A

7B

6B

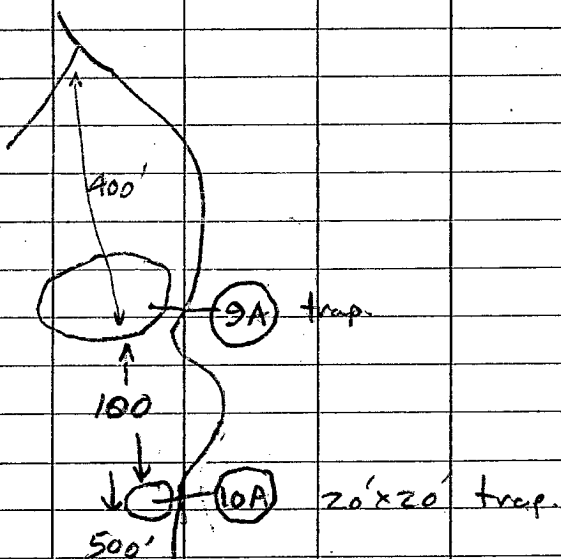
6A

(5A) F par T_C fspars 2mm
< .5% ham. 2% 0.5mm nodules
> 50' wide < 200'
Flow? dyke?

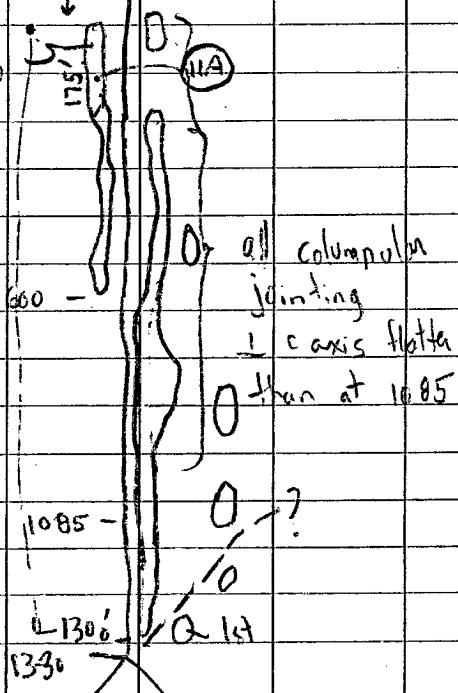
(6A:6B) notably diff. from other
preceding rx not as many
amygdalae. Matrix is more
dense; phenos. are more
lath like and regular size.
Phenos. not white as before

(7B) ~~dyke?~~ T_C phenos 2mm fspars in
dk on matrix. 2" chill? phenos
~~still~~ exist in "chill" border.
probly a flow
inclusions 1" dk 1"

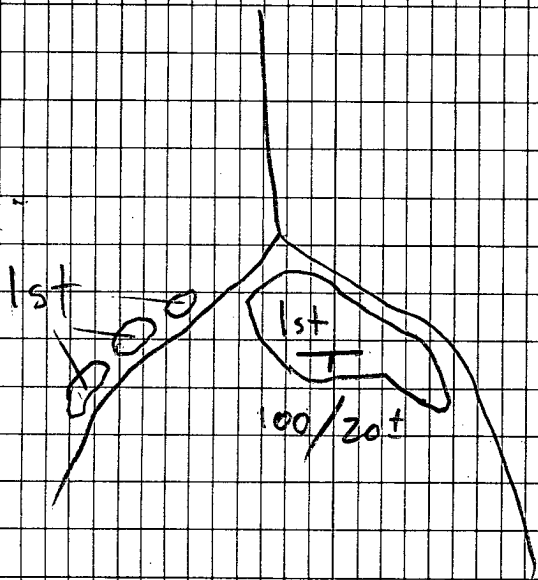
all rx in opposite diagrams
amyg? T_C basalt/andes

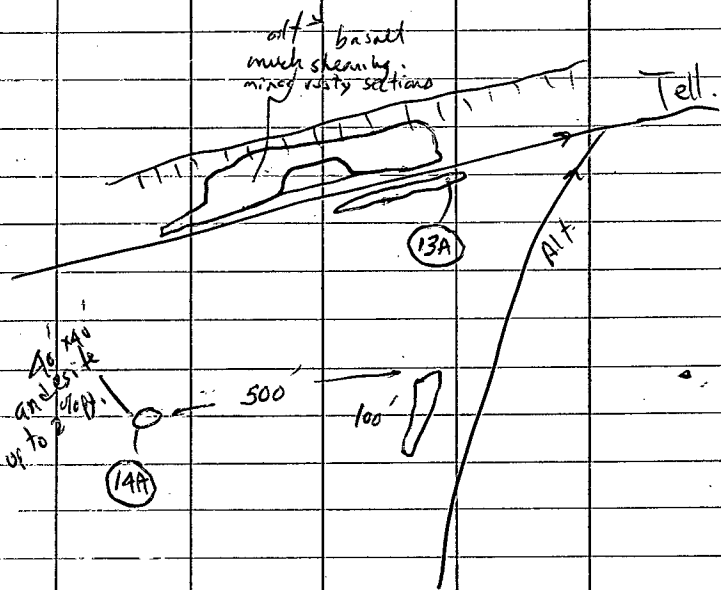


f.g. π^c blk and
 wt v. minor py.



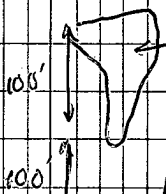
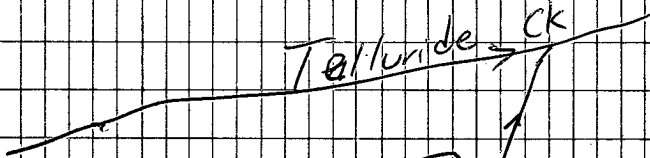
1085 Columnular jntg. Rk same as (1A)
⊥ C axis of columns
012/25 ± 5





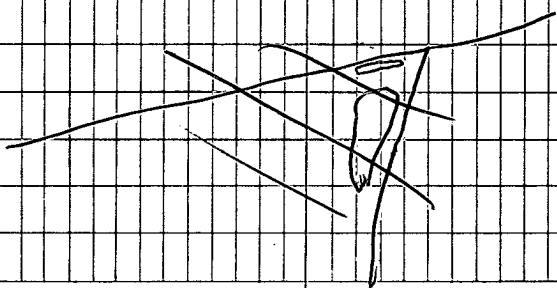
(13A) all amygd. in basalt. minor py (cp^s)

July 10/70



several faults
much shearing
mag chlaite,
FeS₂
basalt(?)
most
non-mag
rusty rx mag

rusty 2'x2'
chil. bas(?)



July 16/70

Water Sample No 1

100' S of camp. Spring water
which is water supply for camp.
Taken near at spring.

Water Sample No 2

N bank of alteration ck. Small
ck flowing along base of bank. Water from
seeps at foot of bank 150' above
upper end of o.c. of ~~sk~~ sample (1A)
~~est.~~ 36S 18E picket. Sample location
200SE of here

Water Sample No 3

38S 15-18E Small ck at
base of N bank Altⁿ ck. Water
seeping from bank.

Water Sample No 4

2750S 2700E Very slow seep,
water lies on moss & moves very slowly

I have been thinking about /
 the possibility of ...
 ...
 ...
 ...
 ...

I have been thinking about /
 the possibility of ...
 ...
 ...

I have been thinking about /
 the possibility of ...
 ...

Water Sample No 5

2350 S 2900 E Taken
from Stagnant water in
pond 100' x 30'. Same water
starts at 25 S 20 E 1A (under)
dry gully leading to pond.
Pond is drained at other end
very slowly

Water Sample No 6

2190 S 2750 E Seep, slow
pool 5' x 3' x 1' deep. Some
silt in bottom. Few springs
in bottom. ~~Very~~ Slow moving outlet.

Water Sample No 7

800 S 1800 E. Seep from
bank on S side of small creek.

Water Sample No 8

950 S 1200 E Small seep from
bank on S side of small creek.
Rusty deposit around seep 20' x 20'

... ..
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Water Sample No 9

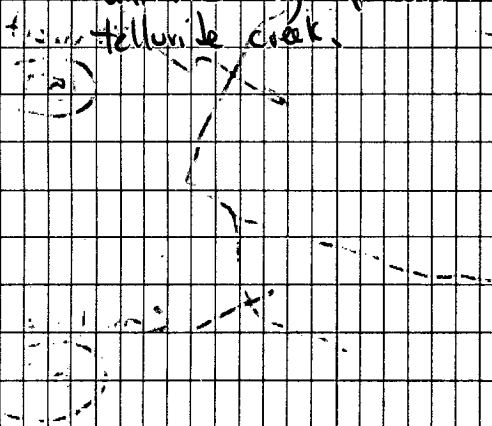
~~100~~ 10S 10E 60' above
water pump fan' drill. Seep
out of S. bank of small
creek.

Water Sample No 10

1550S 15E Small seep
from where cat was stuck. Uphill from

Water Sample No 11

Small stream flowing out of
bank 1/2 way up on SW side of
telluride creek.



travertine

bank

sub

Attention

N

(15A)

conglomerate

(15B)

Conglomerate - boulders up to
1' max. dimension. All boulders
- pebbles subangular to
sub rounded. All material
appears foreign i.e. no amyg
or amyg - tr^c basalts. Some
"travertine" within conglom.

Travertine - very porous. Has
distinct bedded appearance. Minor
cobbles.

Handwritten notes in the top section of the grid, including the number 111 and some illegible characters.

Handwritten notes in the middle section of the grid, including the number 11 and some illegible characters.

COATES
AUG 21/70

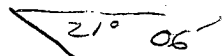
NOTES

CLUB GROUP

AUG - 20 → 23, 1970

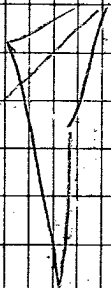
			± I.R.S		
STNA	B.S.	H.I.	F.S.	V. L	Hor L
MOUTH OF CUB CREEK	STNA "	3.5'			
Travertine outcrop			3.5'	+7° 14'	280° 35'
12 TON FLOAT Bould.			3.5'	+6° 51'	256° 25'
			3.5'	+7° 10'	257° 31'
FIRST EXPOSURE OF Voles	N. Side Tall Cr.		-	-1° 55'	91° 55'
STN B	3.5		3.5'	+7° 26'	245° 10'
STN C				-6° 43'	47° 39'
Travertine OC				-5° 55'	37° 24'
Gossan with Cu				-9° 00'	62° 00'
FIRST EXPOSURE OF Voles on N. side of Tall wash Cr.				-4° 11'	79° 30'
STN D	3.5		3.5'	+7° 8'	241° 22'
STN E Bl. & 200W	3.5			-11° 00'	64° 29'
FIRST EXPOSURE OF Voles EST. Creek Rill				-5° 40'	75° 01'
			3.5'	-8° 00'	160° 44'
DDH Colln.			3.5'	-6° 20'	177° 03'
ORE Bould.				-15° 22'	113° 21'
STN "C"		"		-9° 16'	63° 09'
SNOW Cape.				+15° 22'	208° 55'

3+10N
1



STADIA ELEV DIST TRUED

6.20 3.18 0.00	<u>+78.06</u>	620	615.04
2.00 1.40	+126.14	1060	1052.58
12.00 1.25 12.00 7.95	139.11 47.26	1075 405	1065.97 462.21
32-0'	- 54.74	350	
12.00 5.00 12.00 4.60	86.94 141.19	700 740	694.61 726.38
3.38 0.00 5.10 1.94 4.88 3.50 2.02	47.65 34.85 73.94	328 316 279	339.72 135.44 314.07 269.01



outcrops at 1450 S - 1400 E

Dark grey P.g. metachert with

numerous calc. coated fractures

many fine shaly water stained

rock in very thin to medium

slightly foliated. Some zones of

rock, slightly limy



tel

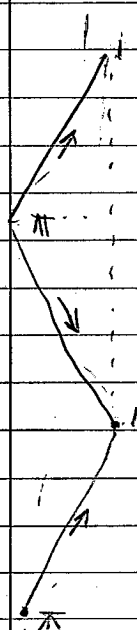
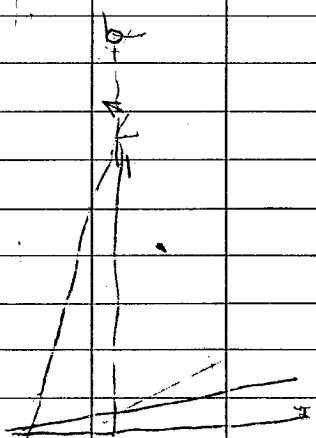
338°

7° 14'

15°

mev

a



$$\cos \theta = \frac{a}{H}$$

alt $a = H \cos \theta$

$$\sin \theta = \frac{b}{H}$$

$$b = H \sin \theta$$

$$a = \frac{620 \times 99200}{620} = 99200$$

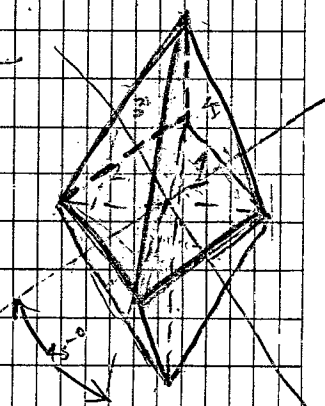
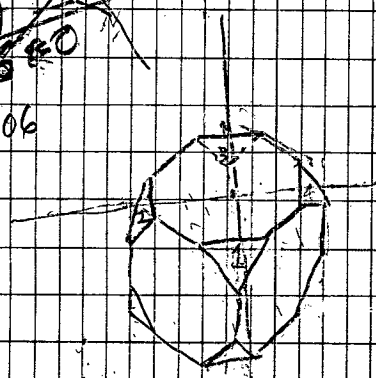
$$\frac{1984000}{595200} = 61504000$$

$$\begin{array}{r} 1259 \\ 620 \\ \hline 25180 \\ 7554 \\ \hline 78060 \\ 78.06 \end{array}$$

Sphere.



11.2



$$\begin{array}{r} 8 \\ 6 \\ \hline 14 \end{array}$$

②

6° 51'

1060

V = H Sin θ .119

H = H Cos θ .993

V = 126.14

H = 1052.58

V

H

1060
 .119

 9540
 1060
 1060

 126.140

1060
 .993

 3180
 9540
 9540

 1052.580

Sta B

+ 7° 26'

1075

Sin θ = .1294

Cos θ = .99155

V

H

1294
 .1075

 6970
 9058
 12940

 139.1050

.99155
 1075

 49580
 69412
 99160

 1065.9700

V = 139.11

H = 1065.97

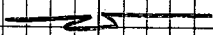
Stn C $6^{\circ} 43'$ 405
 $\sin \theta = .1167 \quad \cos \theta = .99314$

V = $\begin{array}{r} .1167 \\ \times 405 \\ \hline 5835 \\ 46680 \\ \hline 472635 \end{array}$

V = 47.26

H = $\begin{array}{r} .9931 \\ \times 405 \\ \hline 49655 \\ 397240 \\ \hline 4022635 \end{array}$

H = 402.2635



Gossan with Cu 1562
 $\begin{array}{r} 350 \\ \hline 78200 \\ 4692 \\ \hline 547400 \end{array}$

Stn D $7^{\circ} 08'$ 700
 $\sin \theta = .1242 \quad \cos \theta = .99226$

V $\begin{array}{r} .1242 \\ \times 700 \\ \hline 869400 \end{array}$

H $\begin{array}{r} .9923 \\ \times 700 \\ \hline 6946100 \end{array}$

Sta E

$11^{\circ} 00'$

740

SIN

.1908

COS

.9816

740

740

76320

392640

13356

68712

141.1920

726.3840

Rill

$8^{\circ} 00'$

338

Sin $\theta = .1392$

Cos $\theta = .9903$

338

338

11136

79224

4176

29709

4176

29709

47.6496

334.7214

One Boulder

$15^{\circ} 22'$

279

Sin .2650

Cos .9642

279

279

23850

86778

18550

67494

5300

19284

73.9350

269.0118

DDH Callan

Sun	41103
	<u>316</u>
	6618
	<u>1103</u>
	3309
	<u>348548</u>

316

6° 20'

Co.	.99390
	<u>316</u>
	59634
	<u>9939</u>
	29817
	<u>3140724</u>

—————
 Friday Callan Call
 Transit Survey

Field Notes Aug 22/70

#2 Outcrop opposite first exposure of mafic volcanic in Tertiary land
Volcanic highly altered and epidatized, occasional blocks of quartzite. Numerous small veins of carbonate

#2 Highly altered intermediate to mafic volcanic. Observed alteration along 052 fracture

Strongly epidatized along earlier 40 fractures

(C-203) at Ilkater Creek
Post # 2 - Reg 31 & 32
R. Dusk

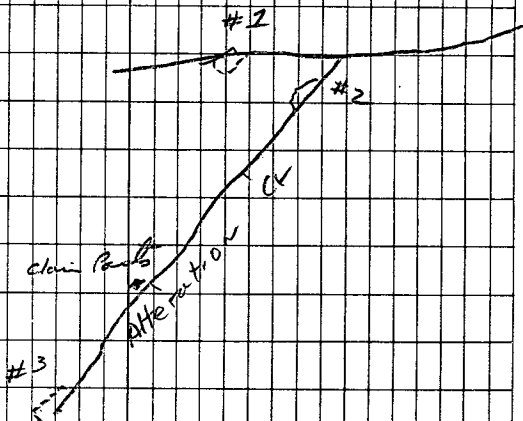
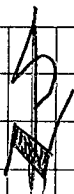
C-292 Dark green, highly altered volcanic with minor carbonate

Sample # A-1

appears to be a lens of quartz introduced along 310 foliation plane.

CUB GROUP

Coates #
Aug 22/70



C-300 Dark green volcanic
legally epidotized almost
prominent fracture division

52
147

C-500 Maroon angular
volcanics with white
filled vesicles, lenses
and clots of gas
veinlets of epidotized
green carbonate
throughout.

80
147

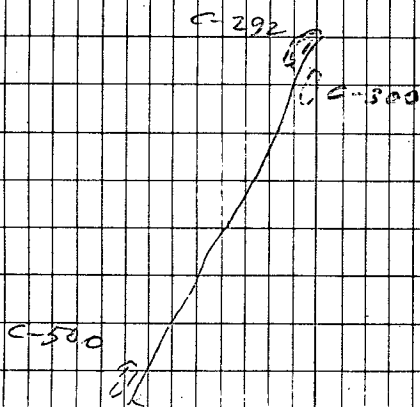
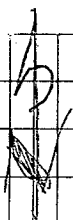
flow layers are
marked by layers of
abundant vesicles and
the occasional bomb (with
large angular) and layers
of pipe paralleling the
flow bedding

40
147
892

Tuff Plate

30
112

Conte
Aug 22 / 1930



C-569 Forks of Alteration
Creek Dark green Int to
massive volcanics.

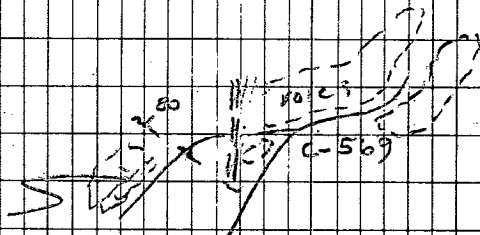
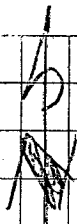
C-0 at Forks.

C-30 Feldspar porphyry dyke
green groundmass with white
subhedral plagioclase
of feldspar up to 3mm.
length. || 000°
||
|| Vertical
||
Sample A-3

C-60 Fault zone
- rock highly fractured for
5-6 feet on either side
of fault gouge zone N 14°
thick. Soil sample
zone 30' wide of rusty
alteration. Mud (epidote
and limonite in the
gouge.

C-120 Volcanics with
series of chlorite, serpentine
and calcite of the olivine
- set of slieve rusty altered
for 200' along north wall of Cr

Cooler
Aug 22/1970



Rusty
Altitude

540

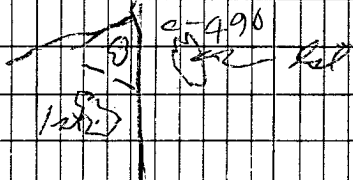
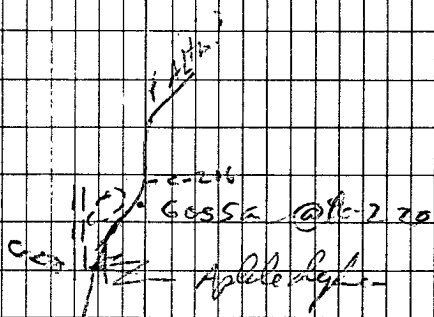
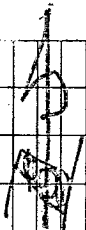
C-270 Aplite dyke near W.S.
almost no mafic pelites
up to 3mm lags
[Sample A-9]

C-346 Fine grained gray talc
with carbonate large fractures.

C-490 Fossils of Delta Creek
F. q. quartzite

10
197

Coates
Aug 22, 1970



Road Crossing

32 S - 17+25 W

28 S - 17+00 W

20 S - 15+50 W

16 S - 12+50 W

12+50 S - 4+00 W

12+30 S - 0+00 W

8+00 S - 6+00 E

9+00 S - 20+30 E

← Piece of limestone float
picked up by base. Similar
in texture to one on beach.

Outcrop of white to pink
anhydrite at 15+00/5 - 9+00

~~1~~
5 - 100