

PACIFIC
WATERPROOF

841610
M-459

FIELD BOOK

No. 301

SENECA

Agassiz M459

1977

D.A.

BOOK 1

27 June

And. bx (agglom) over pit is similar to that in upper showing as well as to that in DH 38 (bx - 85% - subrounded)

"Wispy" chlorite in DH 38 actually a splashy texture.

Welded tuffs quite distinctive - along with the and. bx & sed. hors.

Kutcho deposit seems similar to Seneca. Has epid & hema above it.

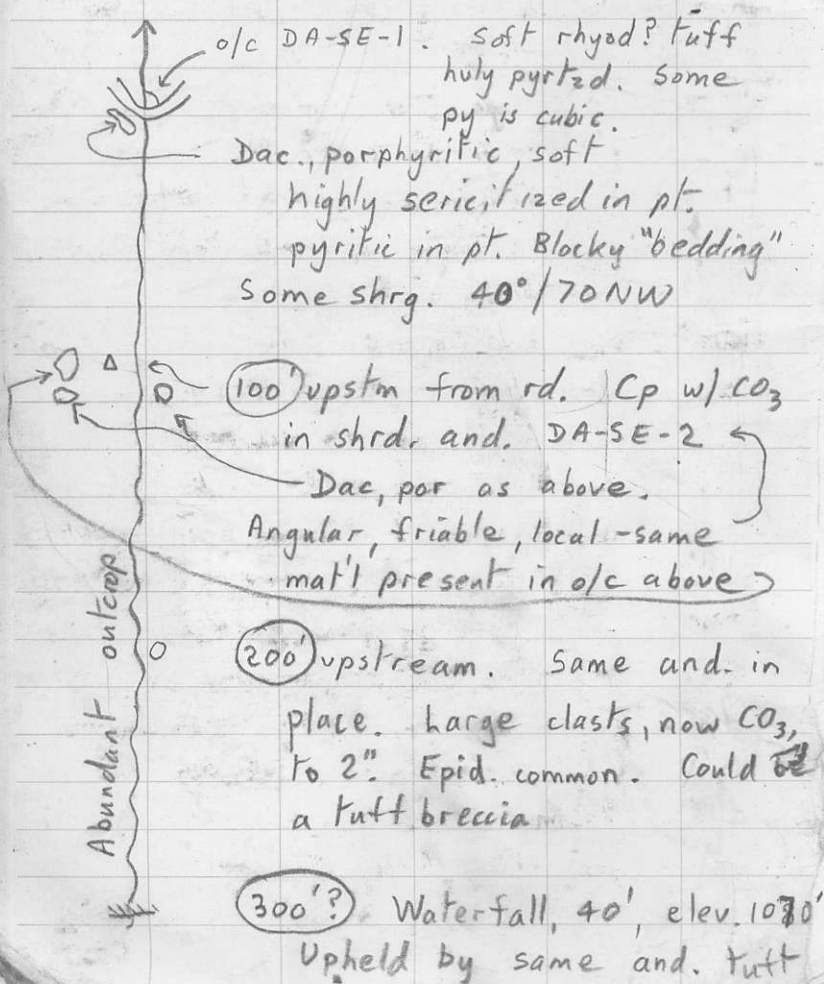
Q - check all coarse and, esp hole 20 - 180'

In S. U.S. ash flow sheets & calderas are closely related.

12 July

S2 CREEK

7000' from camp turn off
8000' NE to end claim block
Truck @ S2/rd. jct. "1000" elev.



o/c DA-SE-1. soft rhyod? tuff
huly pyrtzd. Some
py is cubic.

Dac., porphyritic, soft
highly sericitized in pt.
pyritic in pt. Blocky "bedding"
Some shrg. 40°/70NW

100' upstm from rd. Cp w/ CO₃
in shrd. and. DA-SE-2
Dac, por as above.
Angular, friable, local - same
mat'l present in o/c above

200' upstream. Same and. in
place. Large clasts, now CO₃,
to 2". Epid. common. Could be
a tuff breccia

300'? Waterfall, 40', elev. 1070'
Upheld by same and. tuff

Abundant outcrop

Elev.

breccia, but w/ up to 40% felsic
subrounded clasts.

- 1080 And t.b. & perfect por. ^{rhyo} dacite Δ 's
40% fld phenos 5% g. \uparrow
- 1110 Δ wh., hvly. seritized 10% py^{diss.},
rddd.
- 1160 Δ Rhyo. t.b. py rims. py 7% dis.
rddd & resistant
Gearly as @ 1080. Also rare
strongly banded fels. tufts.
Still little - no o/c
- 1180 o/c por. rhyod. in ck.
- 1290 o/c " " in ck. side
(still none in slopes)
 Δ Rhyo bx - (wh, rusty)
- 1330 Δ Rhyo. por, rhyodac por., and t.b.
1- Rhyo. bx, packed, rounded frags
pale gy, some epid.
- 1440 Δ Felsic stockw., pyritic, as in N.
pit o/c. Py dis to coarse.
No other sulphides.
No more and t.b.
- 1520 Δ 's Rhyo, wh, 5% diss py
incl. one 3' across. & of bx
text.

- 1540 o/c Rhyod. por. in ck. side
- 1560 " " " " "
- 1690 " Dac " " " "
- 1700 Δ And. lapilli tuff
- o/c Rhyod. por. in ck. "
- 1770 " " " " " "
- 1775 " Slickensides $57^\circ/18SE$
 in Rhyod. por. Lupstm.
- 1780 o/c/cave flt X ck. @ $10/70E$
 not so sm. flts $128/80N$ (3-60')
 All very pyritic
 Semi-continuous o/c from here up.
- 1890 Mostly dac. por. in oles. Felsics
 (wh, pyritic) not uncommon in Δ 's
 40' waterfall
- 1980 Δ Andtb. as at beginning
- 2100 Trib. from N, shallow gully



$72N/18W$ on old grid. C.P. 40' to S
 ME 7/8 + 10i May 69
 M.E. Peters?

52 ck. summary

Predom. dac-rhyod porphyry
since v. resistant - all wtfls etc.

No sedls at all

No and exc. for the and t.b.

No wispy chlorite (welded tufts)

No cherts observed.

But occasional coarse felsic
pyritic fragmentals, and minor
Cu near road in and t.b.

Also and w/ felsic clasts

13 July 77

"LOWER" SHOWINGS

165/5W cp shown on map. Not found →

165/4+50W Rhyod. t-l.

~ 175/5W Andesite dyke

165/6W Dac, t (minor l)

↳ However located

some Dac, t, w/ rounded, py rimmed
frags (spec.)

~ 18+505/4+50W & 19+505/4W Felsic t-b,
in pls well packed and similar to typical
"FW-b", but chloritically altered.

501
225
616

19+755/4W , Bedding 65°/30S, blockly
 205/5+20W Δ Qtz eye, pale brn, rhyo w/
 diss. cubic py & rare stringlet
 of sp. SAM DA-SE-3.
 205/5W Rhyo t-b, 10% py, w/ Qtz-py
 veinlets. Gy. Good "FW-b",
 as in N end of pit. SPEC.

CHECK "Shwgs" continuity as per bedding
 found.

FW CORE STATS 13Jul77

<u>Hole #</u>	<u>Ft.</u>	<u>"D"</u>	<u>Ft.</u>	<u>"D"</u>
37	287	5'	306	24'
20	325	10'	346	31'
⁵³⁷ 41	541	4'	557	20'
43	755	8'	768	25'

~~225~~

Detail

21 July 77

Hole #	Ft.	D	Mxm. frag. - all section
591 & 632	45	600/617	2 1/2" D / 5 1/2" L @ 616
749?	16		
437-	32	459/	+4" L, +2" D.
338-	31	v. little shown bat try @?	+1" D, +2" L (upto 3 or 4" says log).
484	24 33		→ 0.7" / 0.9" @ 457 → +0.9" / +2.1" @ 493
407-	39		→ 1.6 / 2.1 @ 417 → 1.8 / 3.0 @ 443
282?	42		
PROF?	38	41 ✓	
21-181 ???		67 ✓	
		99 ✓	
		134	

38 clasts 1.7" D, 3" L @ 49
5" D? + 5" L @ 104
possible 2.7" D? 2.7" L? @ 119

591 45 ✓

668-15

~~484~~ 24 ✓ - @ ~ 477, detail

333-30 ✓ / 1.0" / 1.7" @ 343 / detail @ 340??

* 32 match 37, 20, 41, 43 as plotted?

NOTES - MISC.

Mass. py bedded lenses @ 42 / 164

And t-b @ 556 - in 75

FW bx in 38 only to 155.

Hence full section is 134'

Lower secs more chloritic &
more frags are rhyo.

DDH's - 38 - lowest 2 secs have f.g. and, as
well as pot. and.

Detail @ 38-134 not typical in
terms of no. of rhyo. clasts.
Much of this pt. has 20% of
clast area as pk, rhyo.

45 - FW frag - unusually coarse
& rhyolitic (brn).

McKinyre Camp.

22 - No true FW frag exc possibly
very short secs w/ up to 7mm
size pk rounded clasts. Mostly
looks rather different. A1td.

24 - Poorly developed. A lapille
at best. Red frags in greenish
matrix.

30 - Not much FW frag. section

lett. Very broken. Detail section
diff to read but app. high tuft
content is prob. correct.

33 - FW frag fairly well developed.
Rhyolitic to 496. Chloritic 496
to 405+. Detail @ 488.

Begins @ ~485'

34 - Very good typ. FW sec

26 - 240? - Not FW frag. ✓

27 - 0', 227-229 ✓

36 - 589 ✓

40 - 337

41 - 537

~~43 - 747~~

44 - 957-996

27 - sim to FW

but all rhyodac. frags & v. alt'd
(epidote). Also close packing
detail might be worth while
Taking piece @ 47'

Largest frag 1.5 or 3" L (1-1 or ?).

36 +2.3L +1.5D

Faily typical section but
more hematitic appearance.

40 Good devmt, but short, only
341-343 & 345-347

Rhyolitic predom. v. coarse.
+ 3.9"L

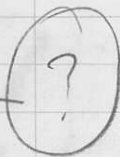
Wierd text. in unit above
welded tuft?

41 - Typ., chloritic (somewhat).

1.0D, 2.0L. Multicolored
sl. on rhyolitic side (50/50
?)

44 - +3.5"L but possibly as much
as 5-6"

* Check D's in holes 14, 15



DETAIL ON 36, 40?, 44

16, 8910, ~~11217~~, 4
34, 42, 23

Upp [14, 15, 16 - 19]
Shak [13, 12, 11, 7, 6 - 18]
1, 2, 5, 3, 4 - 17

4 - 700
16 - 749 → 790 ?

16 | | L | |
| | D | |

4 | | L | |
| | D | |

@ Detail + 3'

G.L. Truck mileage
4 Sep 77

16,582.

36 - 589 - 604 ✓

40 - 342 or 345 ✓

44 - 957 - 976 ✓

34 - 407 - 444

42 - X

23 - Not much @ end 247 - 257

but? 205 - 210? ← Tect. bx.

No

✓

10

APLX @ 755

36 Atypical FWbx - hem. a.
frags same?

10 Nothing to 136 (This end?).

40 - 342' spec

23 - not enough core.

44 - 966

B.C. Hydro & Abndmt?

46 Poss. 6" L @ 896, purp., por., rhyol.
Otherwise 2" L @ 869½. This hole
very, & variably green/pk. alt'd.
spec. taken from 887. Really
hard to guess if part or all true FW.

TO CHECK FOR L'S

- 9 - 110 to 129 ✓ 40 - 140 to 149 (not FW)
u 14 - 465 to 498 ✓ 43 - 747 to 767
u 15 - 668 to 687 ✓ 44 - 883 to 933
27 - 163 to 209 ✓
30 - 6 to 16 (not FW) ✓ wispy cl.
31 - 338-346 ✓
37 - 84 to 92 ✓
-

Compare 29 - 66 to 74 to spin
Chehalis hole.

- 31 - "rubbed". L appears to be 1.3"
37 - not FW @ 84 (whispy cl.)
43 - 2.2" L
44 - 2.5" L

TO SAMPLE

- 9 - 110 to 129 ✓
u 14 - 465 to 498 Box 23 1.3/1.6 ✓
u 15 - 668 to 687 Box 30 3/3.5? ✓
46 - 843 to 898 ✓

9 - only really typ. FW from 122 (Htd cl.)
to 129. spec. from 126

2 3/4" L @ 128'

27 - 2 3/4" L, possibly even 4"

- 532.7 Hem - T.O.
- 34.4 Core shack T.O.
- 36.7 A TO to L.
- 38.5 Turn R off H.V.R.
Two sharp lefts.
- 38.8 Nr. 1,2,34 IAM post corner.
Thy o bx & bx text. Min zn, cp,
well pytzd lt. gy - wh.
- L bend
- 39.0 on IAM #3
same mat'l sl. more sheeted
pretty det coarse bx vole
- 39.3 "upper levels"
second bag.
incl. and-hetero lapilli - ct.
& chert / & sed. all Δ
along 150' of road.

Back on pair T.O.'s @ 540.1

" " hairpin 540.7

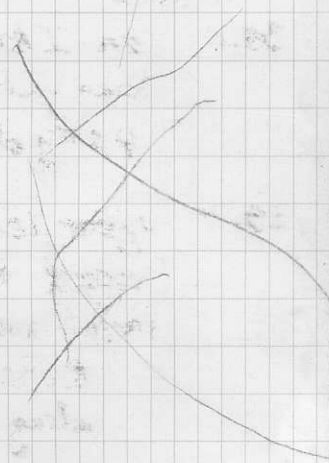
40.7

38.5

2.2

43.1

532.7



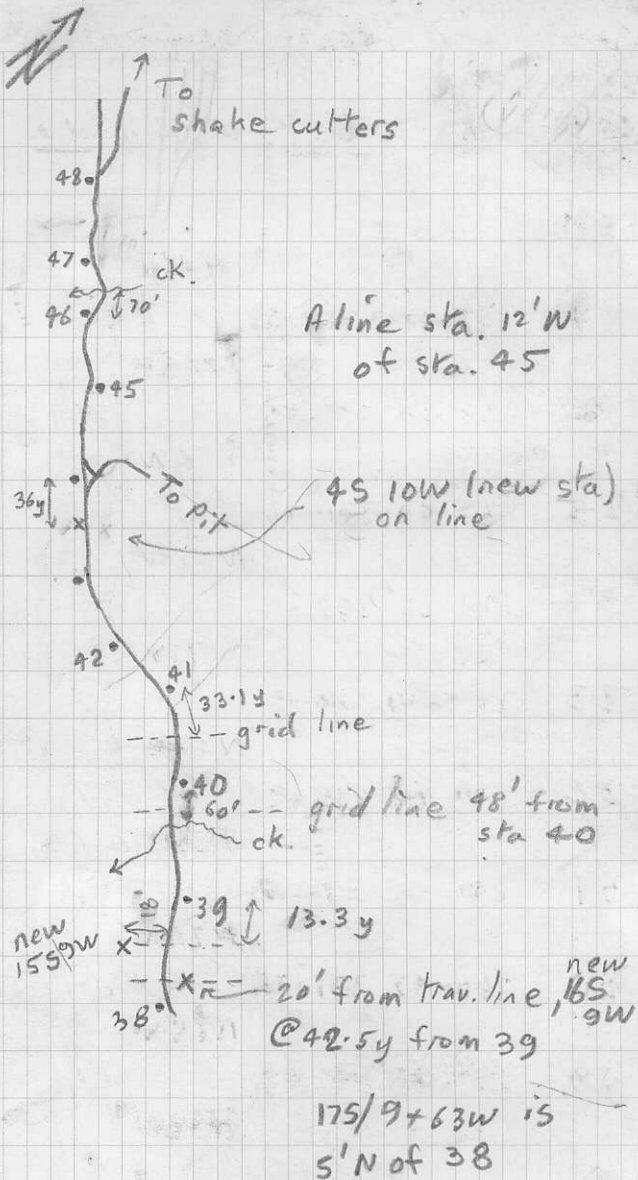
ROAD TRAVERSE

25 OCT 77

<u>STA</u>	<u>H.L</u>	<u>H.L (2)</u>	<u>H.L (mag)</u>	<u>V.L</u>	<u>S.D.</u>
S-48			N 46W		
47	181-40	363-20	N 45W	✓	
46	178-22	356-50	N 46W	✓	
45	199-53	399-46	N 27W	✓	94.1
44	171-08	342-17	N 35W	✓	
43	154-30	309-02	N 60W	✓	
42	153-04	306-07	N 88W	✓	
41	191-31	383-02	N 76W	✓	
40	190-47	381-36	N 65W	✓	
39	207-22 check 207-21	414-48	N 38W	✓	
38					

(Topofil)
 H.D. (yd)
 (ft.)

- 380.3
- 124.3
- 136.8
- 44.7
- 179.6
- 58.7
- 290.0
- 94.8
- 260.7
- 85.2
- 213.7
- 69.85
- 203.1
- 66.4
- 256.1
- 83.7
- 301.1
- 98.4
- 249.7
- 81.6



<u>STA</u>	<u>H.L.</u>	<u>H.L. (2)</u>	<u>H.L. (mag)</u>	<u>V.L.</u>	<u>S.D.</u>
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38

37 195-16 390-35

N 37° W

36 162-51 325-45

N 55 W

35 165-00 330-02

N 69½ W

34 199-00 398 -01

N 51 W

33 193-50 387-40

N 37 W

32 135-40 271-24

N 81 W

31 208-22 416-41

N 53 W

30 165-45 331-26 (checked - 165-41) ✓

N 68 W

29

(Yards)
H.D.

215.4

70.4

182.4

59.6

238.7

78.0

247.6

80.9

166.5

54.4

320.0

104.6

56.3

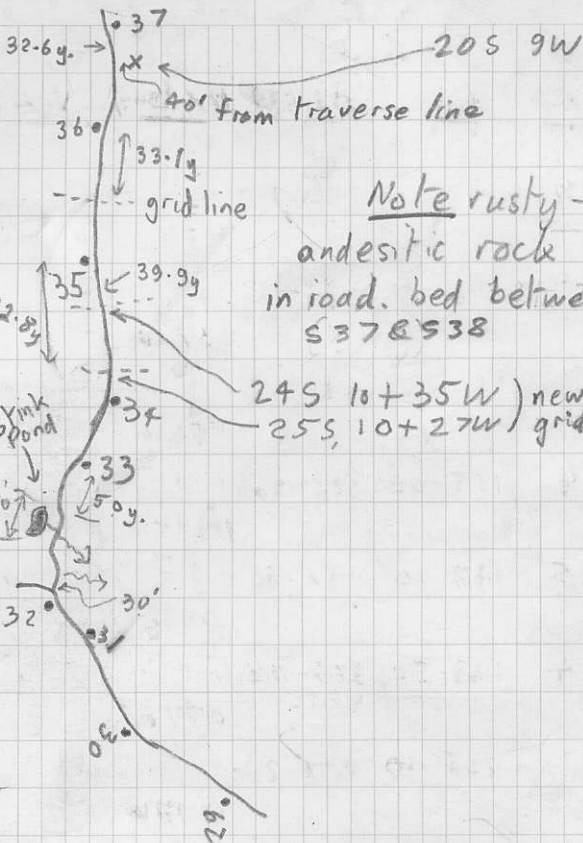
18.4

213.9

69.9

222.8

72.8



Note rusty -
andesitic rock
in road bed between
S37 & S38

24S 10 + 35W) new
25S, 10 + 27W) grid

3 min. ... on 2nd ...

26 Oct.

<u>STA</u>	<u>H_L</u>	<u>H_L (2)</u>	<u>H_L (mag)</u>	<u>V.L</u>	<u>S.D.</u>
S-29	164-21	328-43	N 84W	✓	
28	162-51	325-45	N 84W	✓	
	162-48	325-41	N 79E	✓	
27	224-24	448-52	N 56W	✓	
26	155-35	311-14	N 80W	✓	95.2
25	148-50	297-41	N 68E	✓	
24	185-58	377-56	N 77E	✓	71.13
	188-57	378-02	N 77E	✓	71.2
23	206-10	412-21	N 77W	✓	
22	148-33	297-06	N 72E	✓	
21	221-10	442-20	N 66W	✓	
20	146-19	292-36	N 80E	✓	
	146-16	292-36	N 80E	✓	
	130-11	"			
19	221-34	443-08		✓	To Power Tower
	221-36	443-08	N 58W	✓	

H. D.

313.3

102.4

434.2

141.9

142.0

46.4

138.3

45.2

98.7

29.0

217.7

71.13

204.1

66.7

375.1

122.6

31.5

C 154.1

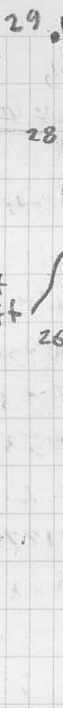
71.8

C 225.9

20.1

C 246.0

cutoff
turnoff



Cumul. chainage from S-22

Note: Seds. in road S24-S23

Yell. ribbon "2045" is 12' W. of S22
Blaze line also, 10' E of S22

96.4

Calibration: S-27 to S-26

219.7

Chainage = 140.9

Tape =

- 46.1 y.
- 46.2 y
- 46.3 y
- 46.0 y
- 46.1 y

61.5

STA H L H L (2) H L (mag) V L S. D.

18	166-48	333-39	N 71 ⁵ W	✓	
	118-04	To power tower			
17	221-24	442-46	N 30W	✓	
16	156-41	313-23	N 53W	✓	
15	206-11	412-24	N 27W	✓	149.41
	206-08	412-20	3° 30'		(149.7)
14	199-00	398-01	N 08W	✓	149.7
	47-13	approx. To Power Tower			
13	151-45	303-33	N 36W	✓	
12	196-14	392-29	N 20W	✓	
	196-12	392-29			
11	258-34	507-08	N 53E	✓	321.8
			3° 40'		(36.1)
10	142-46	285-31	N 16E	✓	357.9
			5° 00'		(40.7)
9	132-26	265-48	N 31W	✓	398.6
			7° 45'		(50.6)
8	141-19	282-40	N 70W	✓	449.2
					(42.0)

52AS B.L.
12' N of 189.14 (c)

H.D.

246.0

at which
point tape
ran out.
∴ also 0

247.3 C

at 17 ← 16

(51.4)

157.3

51.4 C

, also back

(36.8)

112.6

at 15⁰

88.2 C

←

(149.4)

457.2

(69.1)

7 C

211.4

218.8 C

(34.3)

104.9

253.1 C

10. C

(68.7)

210.2

110.2 C

(36.02)

154.7 C

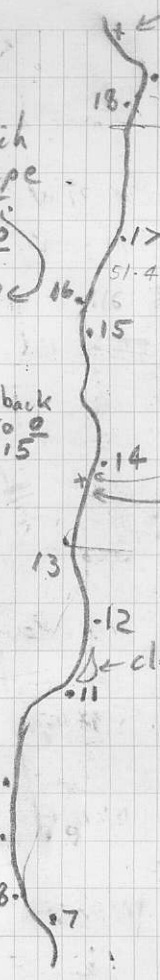
(50.54)

153.4 C

(50.13)

127.9 C

(41.79)



c stretch: maxⁿ normal diff.
is 6" in 210'
= 1/400 = .25%

<u>STA</u>	<u>H L</u>	<u>H L (2)</u>	<u>H L (mag)</u>	<u>V. L</u> 5°35'	<u>S. D.</u>	
7	212-59	425-55	N 55 W	✓	491.2 158.12 <u>160.2</u>	
6	167-53	335-46	N 36 W	9°06'	✓	651.4 62.44 <u>63.3</u>
	167-51	335-47	N 48 W	9°27'	✓	714.7 90.83 <u>91.8</u>
.5	154-16	308-31	N 75 W	8°21'	✓	806.5
			N 61 E			
4	136-22	272-45	N 74 E	✓		
3	191-47	383-35	N 7			
2	114-52	229-46	N 8 E			
			N 70 E			
1	243-07	486-14	N 20 1/2 W			
Reserv'n Marker (A)	88-12	175-24				
Reserv'n Marker (B)						

Yds to feet
x 3.06

H. D.

484.0
158.18

190.9
62.44

277.9
90.83

82.0
26.8

428.7
140.1

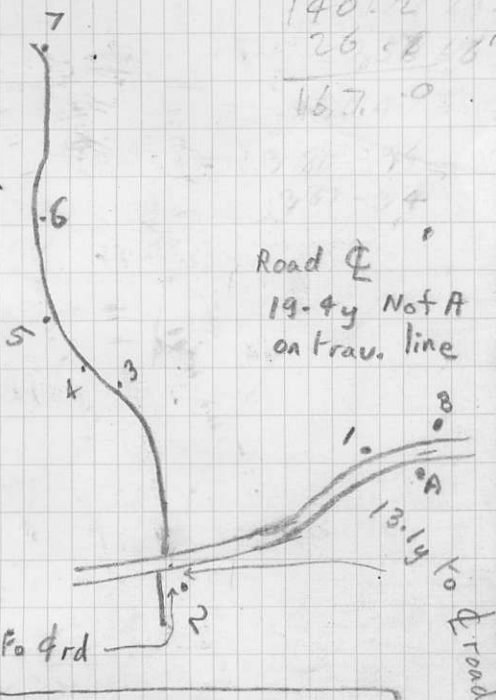
973.4
~~668.0~~
218.3

56.6
18.5

121.7
39.8

218.1
218.6
217.1
219.5
18.5
=56.73

140.2
26.8
167.0



S-2 is bronze BC
 Survey pin 5.14
 316 1973 A

(A) is 513 R A
 1973 I.R. 5
 316

(B) is white mon. marker
 may not be on line

26 Oct.

Accuracy of Topofil hipchain

End effect, estimate, = ± 0.1 yd.
(Max. total $28 \times 1 = 2.8$ yds).

Stretch effect, estimate

Abs. max. of 1' in 600' length

Calibration

$$46.14 \text{ yds} = 140.9 \text{ ft.}$$

$$1 \text{ yd.} = \textcircled{3.05} \text{ ft.}$$

Sag Effect

Est. 100'	- 0
200'	- 1"
100y	- 1.5
150y	- 2"
200y	4"
+200y	4"

Max. sag. gain = 1' to 2'

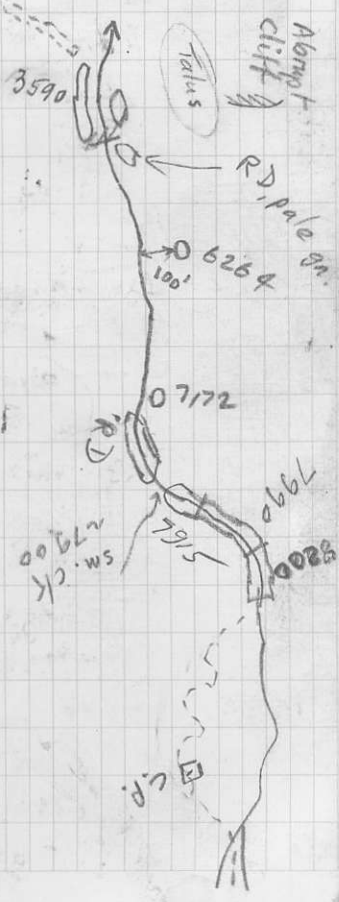
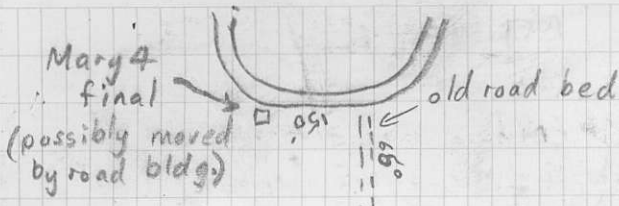
Error on 200 yd. run $\textcircled{.15\%}$ max.

Error on 46 yds run $\textcircled{0.3\%}$ max.

26 Oct. 77

MT. KEENAN TRAV.

- 0y on Hem. road
- 160 y. old grade $65 \rightarrow 40^\circ$
- 202.4 small ck @ 120° . grade $\rightarrow 55^\circ$
 Δ D, t., p. gn.
- 260.0 Δ 's D, l & 1 - wh rhyo, 5% dis. py
 Rd now 40° .
- 3369 End. rd. above large ck. &
 below/opposite talus patch
- 3590 A, l, occ. rhyo (purp, porph.)
 frags, subang to 1"
- 3824 A, l (same o/c, ck. level)
- 3830 In ck., below 15' wftl.
 Epid alt- Δ in ck. floor
 R. pths. in o/c
 Prom flt. thr. wftl, $138^\circ/65 S$
 Δ - pale gn - pksh. por. rhyo.
 - sim. but bndd (fuff)
 - A, w/ 10% subang. felsic clasts
 - Rhyed. por.
 - bxd, hena, pale gn. R.
- 4090 Wftl. Ck. downstrm is 95° for
 300', curving to L.
 Possible bdg. in A. $\approx 170^\circ$, 30 E
 Δ R, t, gy, 10 py



← huge blocks.
 (local)

- 5715 2nd w tfl., 20'
- 6264 L, pksh to^v. pale gn clasts, in
 chlor. matrix (40% of rock)
 fairly equigranular appnce.
 Whole series of 20' falls.
- 7172 Back in ck. Levels out a
 bit. Has been ~70'
- RD, pale gn, por.
- 7915 R, pale gn - wh., r. in part, minor
 py. V. "rugged" surface.
 prob. L-t.
- 7990 RD, f, por, pale gn.
- 8022 Δ , sim to 6264, but coarser,
 (lge) streaky, and w/ "stretched"
 py. SPEC
- In place 50' upstream (8200)
- 8274 RD, gn, med, sl. por.

From 8274 going ~ W up into
 quasi beach below broad
 talus slope.

- 1099 (Have zigged a bit)
 ~150' W of main ck., on Kree line
 nr. bott. outwash fan (Kagald'd)
 C.P. A60064 Final

A 60068 Initial

A 60065 Final

144° to app. plk. Mt. Keenan

Posts suggest 115° loc. line

358.1 Now @ app. jct in main
ck. Huge y. smooth surf etc
due S. ~ 300'

Δ in ck. pale gn. c.t., pyritic

A t w/ calc. "clasts"

Bx, felsic subrounded fragsto 5"
in ~~pale~~ andesitic matrix.

4407 C.P. GERI 37, 38 i.

Burnett for Dad son Sept 30/71

Easterly (Actually ~ 130°).

15952 ck. on S. now splits
3 cks only across 200'

16766 Δ under tree root
A, l?

17167 Back in R. fork ck

Δ RD por

2-wh. R, r.

7237 ^{several} Δ, A, pyritized (SPEC) = S.C.

has redd pale clasts.

This is 100' distant from double
15' falls

Δ and, bk, speckled.

Δ Also, nr. base falls, incredible
A w/ felsic splats (PHOTO)

Δ Banded, cherty sed, pale gy.

7514 A, b, epidotized

7865 now → ~ 50° NEarly.

9227 A, b speckled

RD (dyke) composes top of o/c
(+low)

0112 D, t, pale gn.

0892 Entering massive area of c

A l w/ 40% t size feld. frags.

↳ & bx - → to 25%

Now going ~ 20°

Also RD por, m. gn.

22746 RD por, sheeted 160°/65E (+100' w?)

23105 gull/fault 140/~60W

Now head down ~ 60°

23780 Just slid ~ 100' down a
fault edge 150°/70E

24155 Leaving main o/c

All RD, gy-gn.

25047 Now going ~ 150°. D, t, pale
gn.

26043 sm. o/c RD, por, gn in w/lf

27515 o/c "wh. sphid" A

(X)

01120

9227

7237

Falls 7514

5047

3363

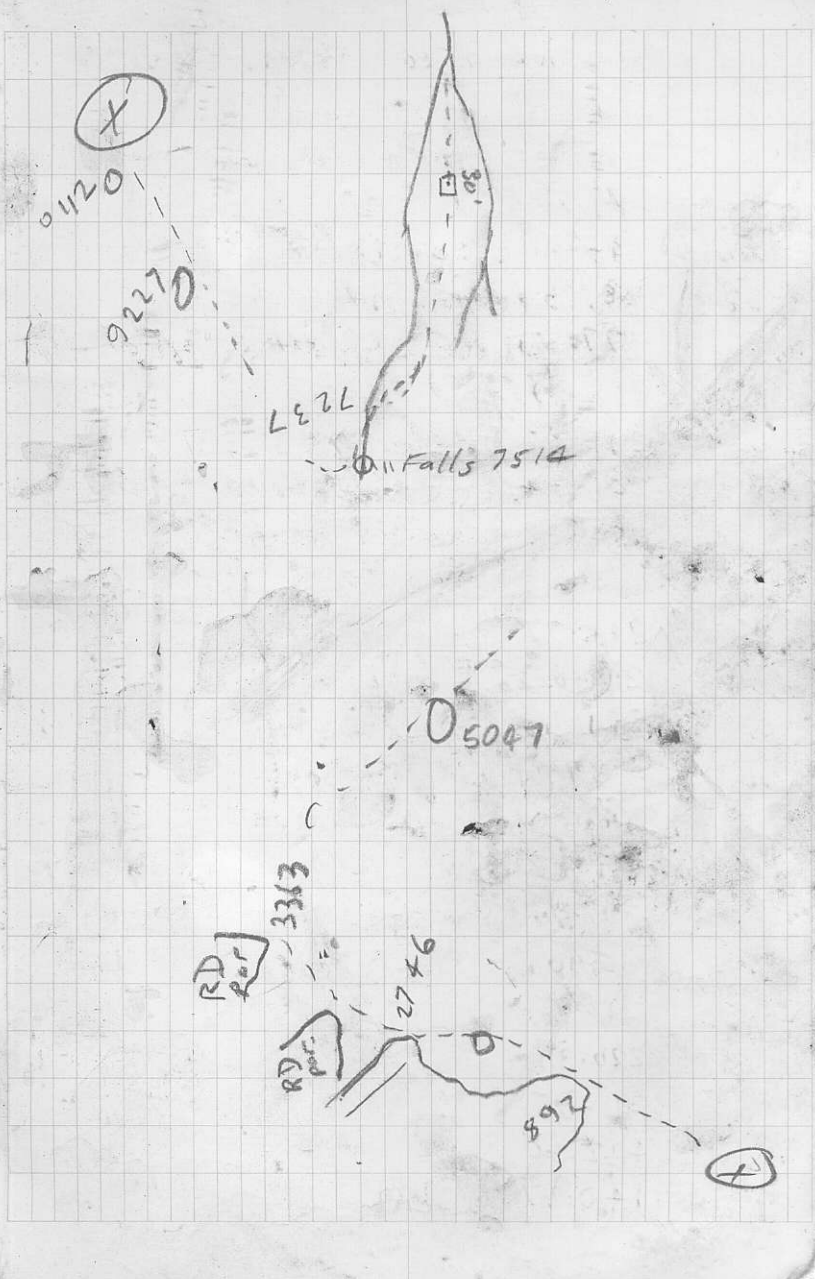
RD
per

RD
per

2746

892

(X)



5 Nov. 77

SENECA ROAD CHAINAGES

<u>STA</u>	<u>H</u>	<u>H</u>
48		
47	379.70	380.3
46	134.49	136.8
45	287.45 [✓]	179.6 ⁴⁶⁹
44	177.30 [✓]	290.0
43	258.29	260.7
42	211.80	213.7
41	201.34	203.1
40	254.38	256.1
39	297.86	301.1
38	246.77	249.7
37	213.08	215
36	179.95	182
35	239.18	239
34	244.80	248
33	164.85	166
32	317.64	320
31	55.90	56
30	212.95	214
29	220.89	223
28	311.85	313
27	432.40	434
26	140.87	142

26		
25	137.00	138
24	88.09	89
23	216.19	218
22	203.37	204
21	372.90	375
20	95.62	96
19	222.00	220
18	64.91	65
17	455.8	
16	156.13	157
15	112.71	113
14	453.49	457
13	209.49	211
12	104.35	105
11	208.18	210
10	109.10	110
9	122.98 ✓	154
8	152.23	153
7	127.47	127
6	482.69	484
5	190.85	191
4	278.42	278
3	81.98	82
2		428
1		668

3
2
1
A
B

56
427.12
667.09
56.92

54

340.6

53

215.65

52

157.49

51

112.10

50

49

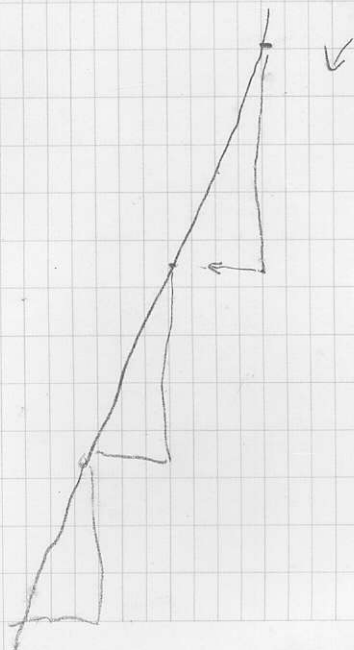
48

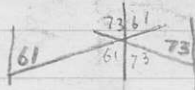
209.08

Ranjan McArthur 156671

Percy F. Cox 146767

~~W. A.~~ Ablett 146787

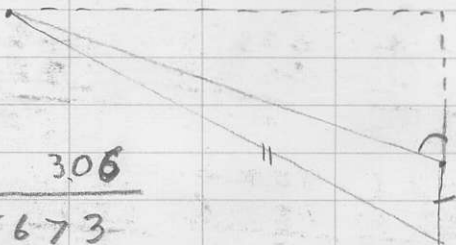




180
134

46
46
61
73
226

$$\frac{.3}{218} = \frac{.15}{100}$$



306
185) 5673
555
1200
925
155

$$\begin{array}{r} 360 \\ 154 \\ \hline 206 \end{array}$$

$$\begin{array}{r} 79 \\ 79 \\ \hline 158 \end{array}$$

$$\begin{array}{r} 61 \\ 73 \\ \hline 134 \end{array}$$

$$\begin{array}{r} 305 \\ 7 \\ \hline 312 \end{array}$$

$$\begin{array}{r} 61 \\ 73 \\ \hline 134 \end{array}$$

$$\begin{array}{r} 206 \ 4614 \) \ 14090 \\ \underline{13842} \\ 24800 \\ \underline{23070} \\ 17300 \\ \underline{13842} \\ 34580 \\ \underline{32298} \\ 2292 \end{array}$$

$$\begin{array}{r} 180 \\ -79 \\ \hline 101 \end{array}$$

$$\begin{array}{r} 180 \\ -56 \\ \hline 124 \\ \underline{101} \\ 225 \end{array}$$

$$\begin{array}{r} 973.4 \\ 806.5 \\ \hline 166.9 \end{array}$$

$$\begin{array}{r} 297.40 \\ 806.5 \\ \hline 714.7 \end{array}$$

$$\begin{array}{r} 714.7 \\ 651.4 \\ \hline 63.3 \end{array}$$

$$\begin{array}{r} 360 \\ 138 \\ \hline 222 \end{array}$$

$$\begin{array}{r} 651.4 \\ 491.2 \\ \hline 160.2 \end{array}$$

$$\begin{array}{r} 491.2 \\ 449.2 \\ \hline 42.0 \end{array}$$

$$\begin{array}{r} 449.2 \\ 398.6 \\ \hline 50.6 \end{array}$$

$$\begin{array}{r} 398.6 \\ 357.9 \\ \hline 40.7 \end{array}$$

$$\begin{array}{r} 357.9 \\ 321.8 \\ \hline 36.1 \end{array}$$

$$\begin{array}{r} 321.8 \\ 253.1 \\ \hline 68.7 \end{array}$$

$$\begin{array}{r} 218.8 \\ 149.7 \\ \hline 69.1 \end{array}$$

$$\begin{array}{r} 88.2 \\ 51.4 \\ \hline 36.8 \end{array}$$

$$\begin{array}{r} 225.9 \\ 154.1 \\ \hline 71.8 \end{array}$$

$$\begin{array}{r} 31 \\ -16 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 180 \\ -150 \\ \hline 30 \\ \underline{16} \\ 144 \end{array}$$

$$\begin{array}{r} 16 \\ 31 \\ \hline 47 \end{array}$$

$$\begin{array}{r} 360 \\ -47 \\ \hline 313 \end{array}$$

$$\begin{array}{r} 84 \\ 79 \\ \hline 163 \end{array}$$

$$\begin{array}{r} 61 \\ 73 \\ \hline 134 \end{array}$$

$$\begin{array}{r} 31 \\ 47 \\ \hline 78 \end{array}$$

$$\begin{array}{r} 180 \\ -47 \\ \hline 133 \end{array}$$

$$\begin{array}{r} 360 \\ 134 \\ \hline 226 \end{array}$$

Possible Option

N. of Sereca
on mtn top.

skorn??

105 16
145
390 32

not sure if Sen. enviro.

broad gravel I.P.
1000 x 1000.

1 sta. high

Bishop Mines in process
of being listed. (Also 1621

@ Gernensen). Korky Stanley
Paul Steverin, Doug Stalin
pptrs.

manager VBC stud.

Q's : The lower horizon showing
Agglom? in holes 40, - 125'
14, - 370' - 430'
1, 2, 3 - @ collars
38 - 200

Detail map intersections

1" = 5' over 40'

Assoc'd data:

Coarsest FW fragment

Size ranges

Angularity of frags.

% sulphides

Alteration

Initially ~~37-20-41-43~~
5, 6, 7-20-15-16
~~15~~-15-41-32-33-34

Process 0.

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