841540
Huston
1981

Aug 28 BC + TS

Huston Regional

all samples labelled HR-TS

□ - rock
○ = soil
× - silt

overlay for airphoto

BC 7841 - 100

Assays: Cu Au As Ag

HR-TS-1 - silicified volcanic?
intense disseminated pyrite
small plastic bag sample plus
hand sample

elevation - 700', W of saddle

HR-TS-2 - hand sample only
silicified basalt? intense
fracture controlled pyrite

HR-TS-3 - soil sample
depth - 15 inches
dark brown soil, 20% gravel
25% org
50% sand
≈5% clay

taken from E side of open
rock face

other rocks seen between
sample locations -
a definite andesite lapilli tuff
several rhyolite outcrops
with possible flow banding
some with disseminated euhedral
pyrite. TS-2 was in fault
contact with porphyritic quartz
bearing rhyolitic? rock
interbedded limestone, arg. silt
chert and green sandstone
bedding 020/04 E

this area is right on the edge and just off the edge of the air photo, located SE of camp below and to W of saddle at 700 - 750' elevation

the rocks in this area are generally silicified and appear to be offset by faults since the rhyolite (flows?) do not appear to bear any stratigraphic relationships to the sediments the country rock encountered so far is the silicified basalt like TS-1 and TS-2 all are loaded with pyrite

crossed western side of saddle about 950 feet level angled SW into cirque

A no sample taken - hbl basalt outcrop - vhy float, any float clear 1000'

B - various rhyolites, argillites and basalts - some in float some in OC

R.D. PENHALL LTD. MADE IN VANCOUVER, CANADA
DURABRAK WATERPROOF

METRIC
FIELD (S)

HR - TS-4 - mottled gray rhyolite
with dis. py and int rust
in frac.
assay sample, hand samples
elev 1000'

L - rhyolite cut by basalt
dykes - large exposure
in slide

TS-5 - silt - creek in relatively
flat bottom of N side of
cirque - elev 950'

TS-6 - silt from major creek
in valley bottom 900'
elevation

OC in valley walls -
porph dacite lapilli tuff
cut by basalt dykes

TS-7 soil light brown 50% clay
1100' 200 m SSE
of creek
depth 1'

1150' same bearing -
cherty textured rhyolite
with mod rust in fractures
dark grey colour, frac py

1200' S of creek
white rhyolite, thinly
bedded, cherty
060 / 40 SE
white weathering, gray
green inside

top of small knoll
elev 1650'

HR-TS-8 - banded green tuff
free py - assay sample,
and hand sample
also small blebs of py
35 m N of ridge top

HR-TS-9 - same location but
float - hand sample
andesite lapilli tuff
HR-TS-10 - same loc - soil
grey clay

HR-TS-11 - red clay
200 m (corrected)
N of 10 elev 1150'

HR-TS-12 - 100m N of 11
red clay
elev 900'

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF

METRIC
FIELD (S)

HR-TS-13 - red clay 130 m @ 12
creek elev 800'
OC in creek - limestone xtalline
coarse grained black with
intense calcite veining

5 m downstream from
1 mstn - porph andesite
1 mstn approx 6 or 7 m wide
upstream - green cherty
dacite?

on N bearing passed directly
through Christie's Landing

HR-TS-14 - rock sample
near waterfall below
camp - location unflagged
taken from outcrop in small
cave formed by large
boulder

- definite Cu!

silicified basalt
with ep veins

METRIC FIELD (S)

5 Aug. 18/81

BL - 38E to 41E.

ROSS Watson

+

~~Clarence~~.

Clary

~~RW-3~~

RW-3

RW-54.

RW-37. 136

RW-27.

RW-34

RW-84.

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF

BL - 38 to 41 R

38 - Gr (1)



slightly clearing

39 - Wd (2)

(2)

40 - Mag (3)









- Bo (4)

41

37, 36

METRIC FIELD (S)

(1) ~~Dio~~ Grana-diorite wf.

(2) Grana-dio - wf. white mat. largely black crystals.

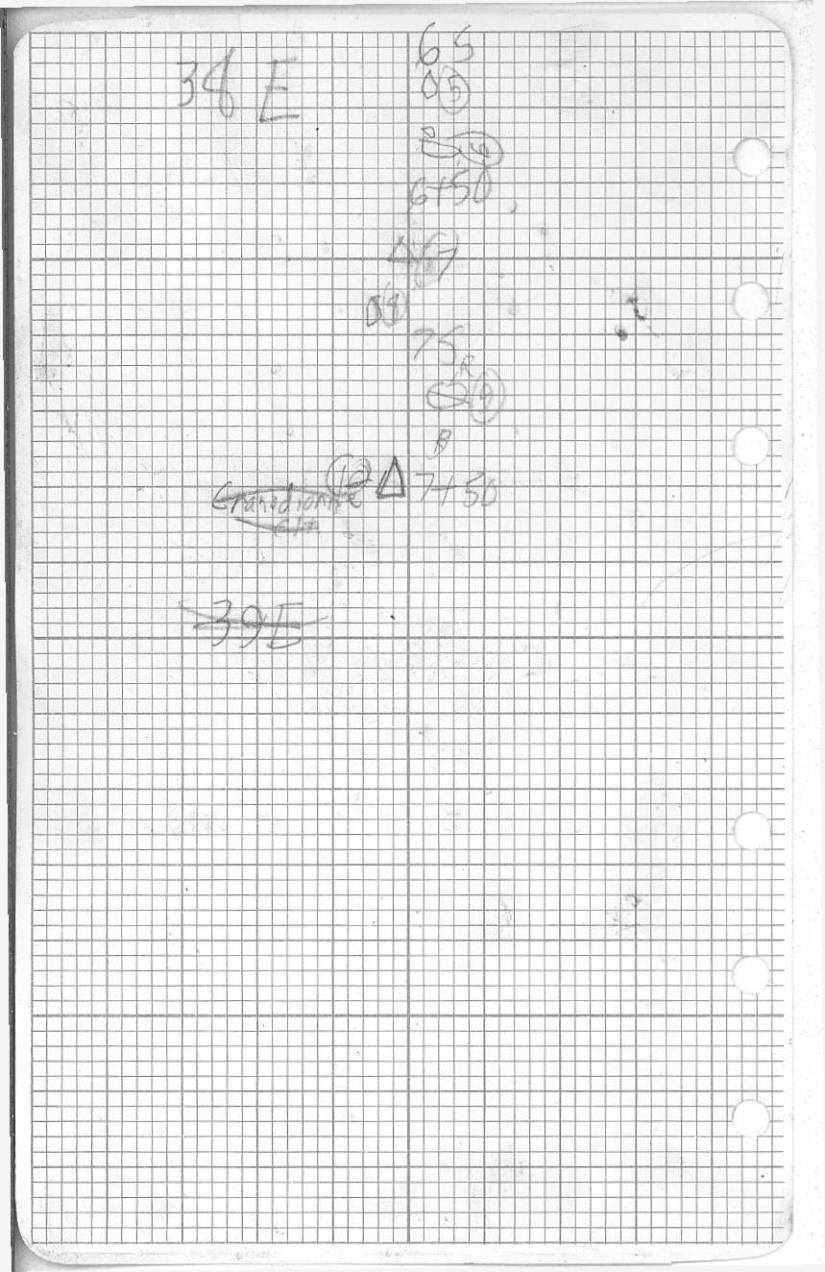
(3) RW-3 - magnetite flt? - very small-dark, large quartz crystals in amy boulder

(4) flt - Bas., Gr-Di.

H-3 - 15

H-RW - 17

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF



38 E

65

5

6+50

7

8

75

9

B

~~Granodiorite~~ 12 Δ 7+50

~~39E~~

METRIC FIELD (S)

Aug. 19/81

6 → 7+50 S

(5) Silicified Basalt wpyr, w calcite, wq vn, wr, outcrop (?)
wf

RW-5

(6) RW-6 Rhy - massive calc. vn, also in immed. area - silicified
Bas - wpyr, m. cal. vn wep
wf

(7) Breccia → conglomerate in flt
pebbles brown matrix

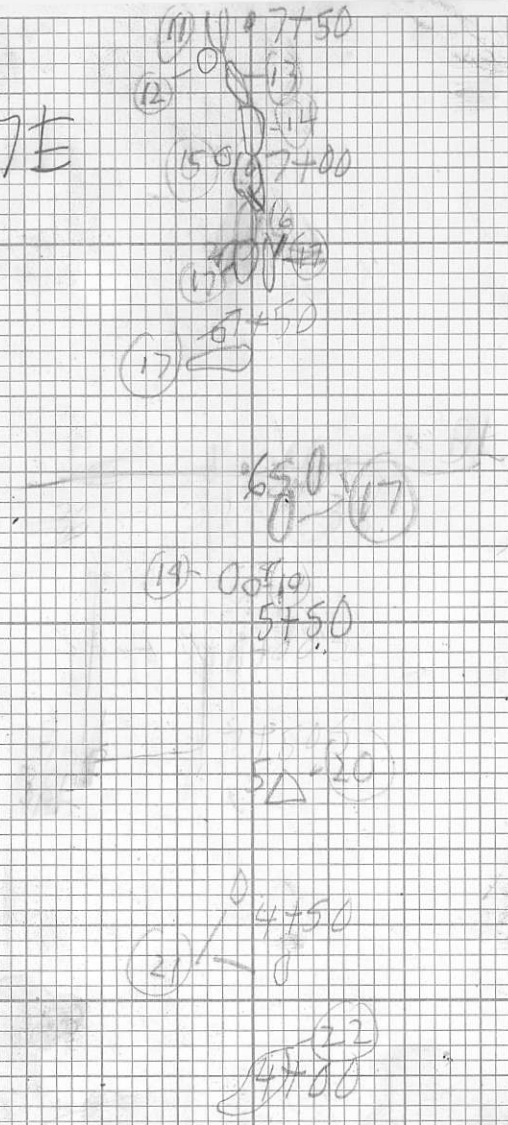
(8) Rhy - ~~dyke~~ flow? mass.

(9) Diorite wf.
~~Silicified Basalt~~ wpyr
Rhy ~~dyke~~ flow? contact 16 4/85°W
wf m. cal. vn.

(10) - large boulders of granodio.

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF

37E



METRIC FIELD (S)

Aug 19 continued -

39 E 7+50 to 0+00 S.

(11) Basalt - massive.

(12) Rhy - RW-12 (2) ~~filled vesicles~~ w ccl. nodules

wf.

(13) Rhy - B. wf, B dyke - ~2' w ~160/90 massive, m cal. vn.

(c. m. cal. vn, (w ~~sm~~ pyr

(14) like 13 - BW-14 3 - Rhy (wf, pyr filled vscles with B. dyke - 2' w 160/90

w pyr, pyr

(15) Rhy - ~~sulfide~~ filled vscles, wf.

(16) Rhy - mass. w pyr. c. wn

(17) - Grana diorite, lots of quartz in matrix, wf.

(18) Rhy wf, ~~any filled vscles~~ pyr - vscles

(19) Conglomerate? - claystone matrix small pebbles mass.

(20) breccia, fit q matrix

(21) Granadio. wf

(22) " q matrix

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF

37E continued

3+50
23 Δ-Granodio, Bas.
3+00

24 2+50
2
2
25 1+50
0
0 1+00
0+50 mass.
0 mass
BL
0+20

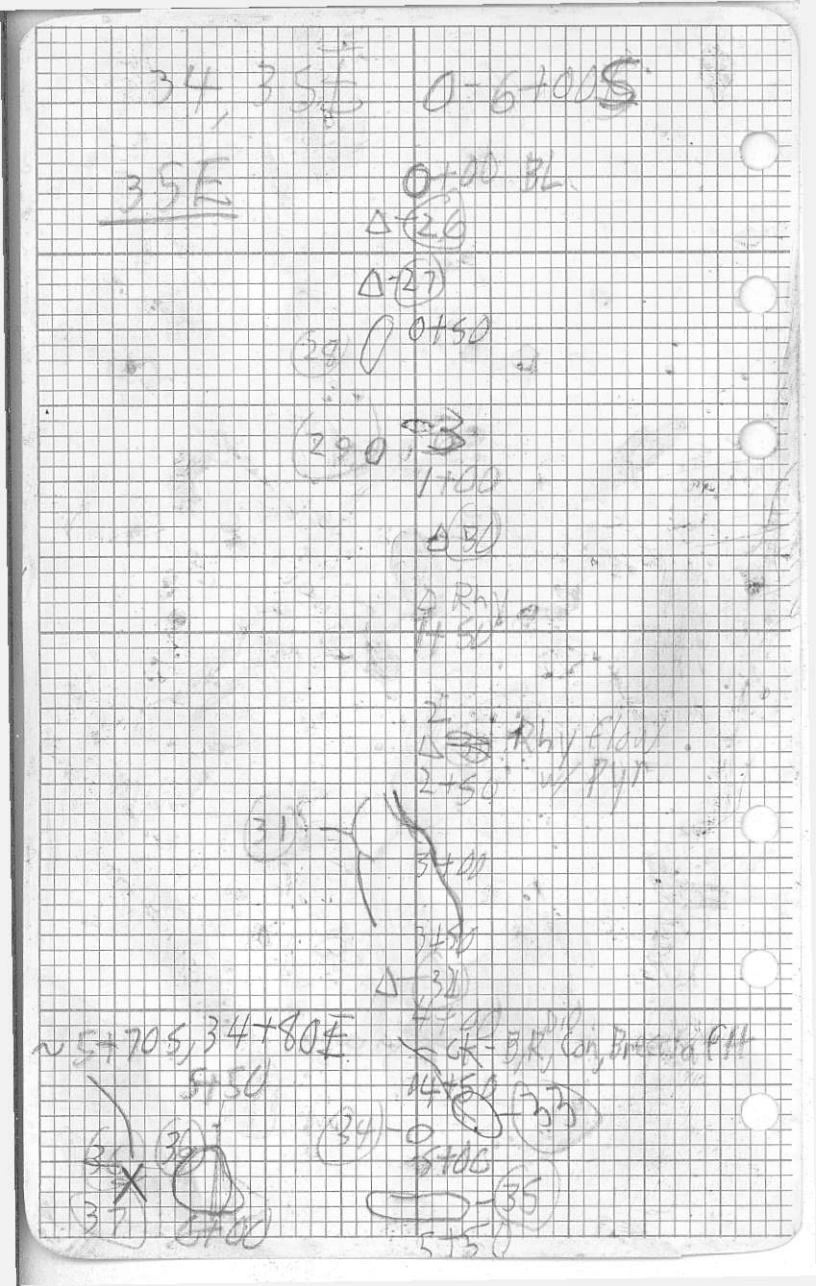
METRIC FIELD (S)

(24) B wf wet cal. vn.

(25) Granadio wf → mass
white weathered surface

Hit BL at 0+20S,
36+20E.

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF



34, 35E 0-6+00S

35E

0+00 BL

Δ-26

Δ-27

28 0+50

29 0 3

1+00

Δ 30

Δ Rhy

1+50

2

Δ Rhy flow

2+50 w/ Pyr

31

3+00

3+50

Δ-32

4+00

~5+70S, 34+80E

5+50

CK - B, R, Con, Breccia Fill

4+50 33

34 0

5+00

35

5+50

36 36

37

6+00

METRIC FIELD (S)

Aug. 20

Start at 35E ~~BL~~ BL 0+00S to 6+00S

(26) - B. Flt - w cal, wep vn, wf

(27) Magnetite flt - few large ~~bo~~ mass boulders. - RW-27

(28) Bas - And - wf, (vscles & wcl.

(29) Grano-dio wf → mass

(30) Quartz in altered (gongy) rock flt

(31) Assorted flt along ck bed mainly granodio, bas, rhy, mpyr some sil, Bwh mpyr, conglo-breccia, rhy with flow banding, magnetite

(32) Silicified Bas with pyr - flt

(33) RW-33 - Rhy with i vescles many pyr filled, wf (minute geyes

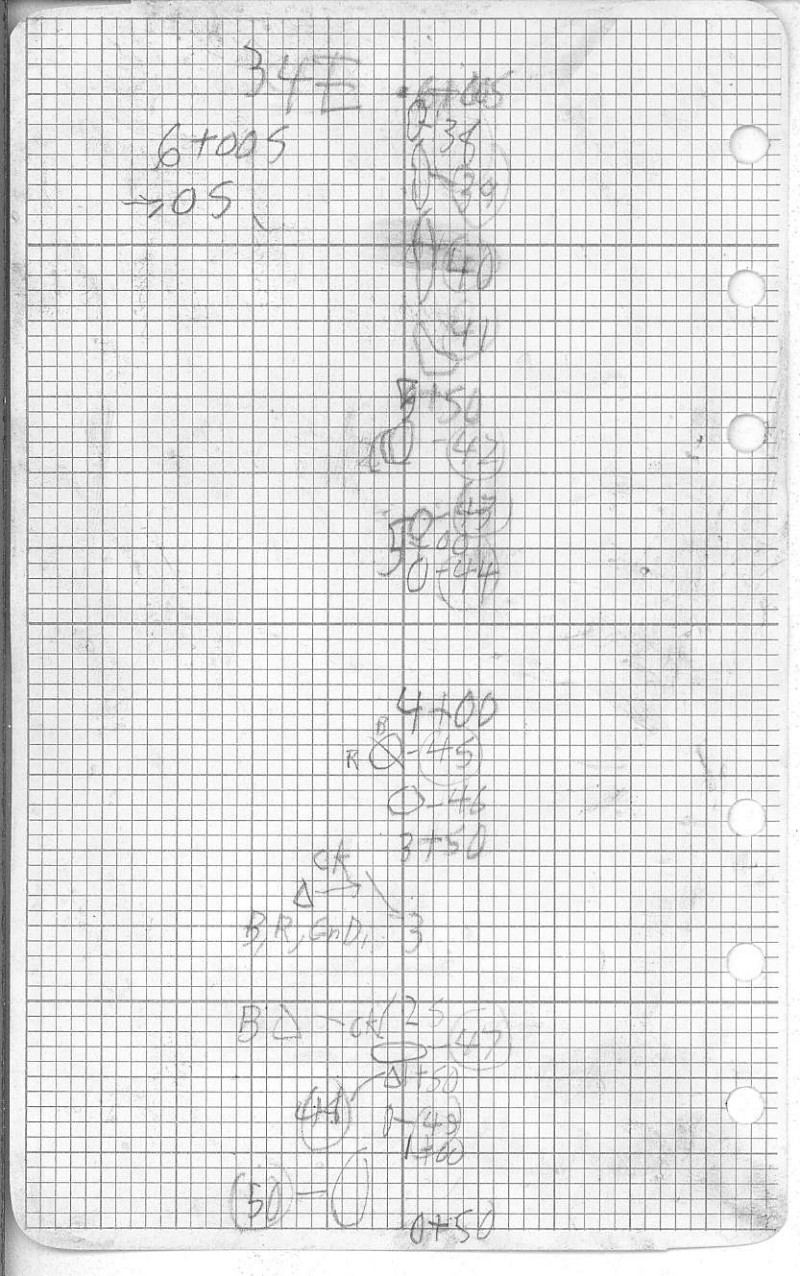
34 - ~~Rhy~~ Dio ~~with vscles~~ wf, wpyr

35 - Bas → And wpyr mass (wcl.

36 - Dio wf (wep vn ?), At - ~550' B-host rock

scarn. → 37 - Cave - Bas - mpyr mr - RW-37 - magnetite mquartz

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF



METRIC FIELD (S)

R. D. PENHALL LTD. MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF

m→h r, mag.

(38) RW-38 Bsyr rich Bas, mcl mpyr in contact with calcite rich rock (black limestone) — no discernible strike/dip

(39) B (wcl, wepvn rhy dyke ~3 1m. wide 320/90

(40) B (wcl, wepvn, (iepvn, wpyr

(41) B (w→mcl (wepvn, wcal vn

(42) B silicified - w→mpyr wcal, wr.

(43) B wf with a finger of Rhy running through

(44) Rhy wf

(45) B - And - wcl, wf, R - contact wf. 140/80 SW.

(46) B. mass.

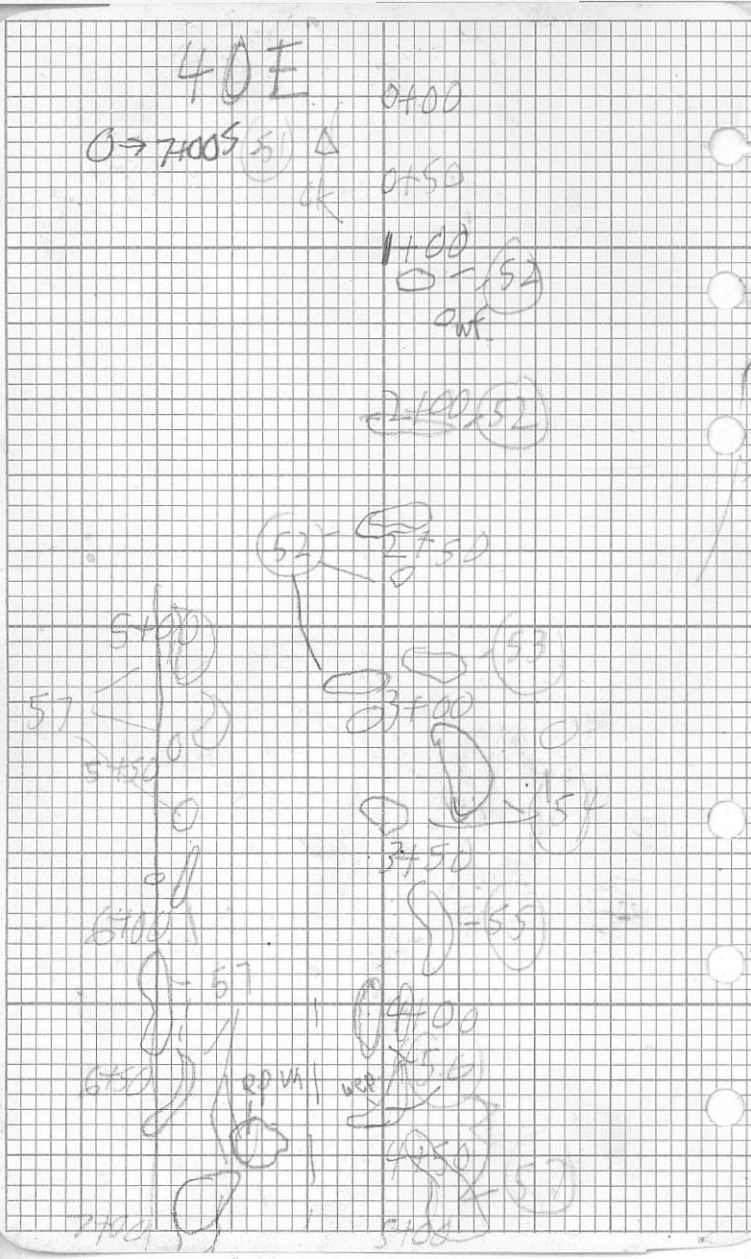
(47) mass granodio

(48) - large boulder - white limestone

(49) - B. mass

(50) - Rhy. Cpyr ms wf

Hit BC at 1+15S, 33+80E


40E
0+00
0→7+00S
51
ok
0+50
1+00
52
wf
2+00
52
52
2+50
5+00
53
57
3+00
5+50
54
3+50
6+00
55
57
4+00
6+50
RD VA
wep
4+50
57
7+00
5+00

METRIC FIELD (S)

Aug. 22

Clarence

40E 0 → 7+00S

~~42E 7+00S~~ → ?

(51) large qmt flt along ck bed ~granadio.

(52) granadio, wf ~~ep vn~~ → mass.

(53) Granadio with finger of black limestone.

(54) granadi - mass.

(55) - RW-55 granadi - mass

(56) granadi - mass - more orange + green (~epidote) in matrix

(57) granadio mass

~~cro~~ ~7+30S, 41+75E

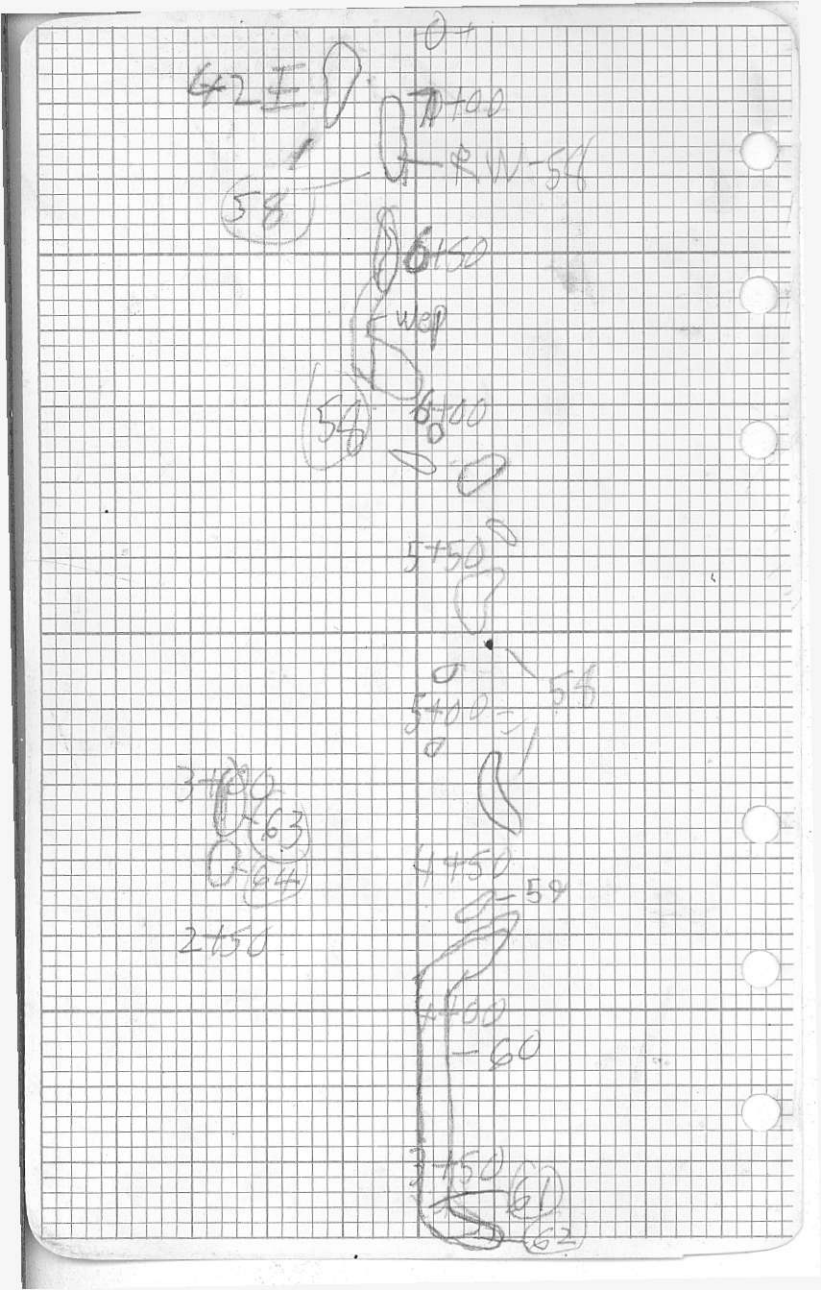
Unit Post - HAMMER

Tag 64814

2N 4W

Nov 1980

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF


0+
42E
7+00
RW-58
58
6+50
wep
58
6+00
5+50
58
5+00
3+00
63
64
4+50
59
2+50
4+00
60
3+50
61
62

METRIC FIELD (S)

(58) Granadi wf, w epvn
RW-58 mass.

(59) B. - RW-59 wf (wep)

(60) Granadi - ~~wep~~, mass.
cliff

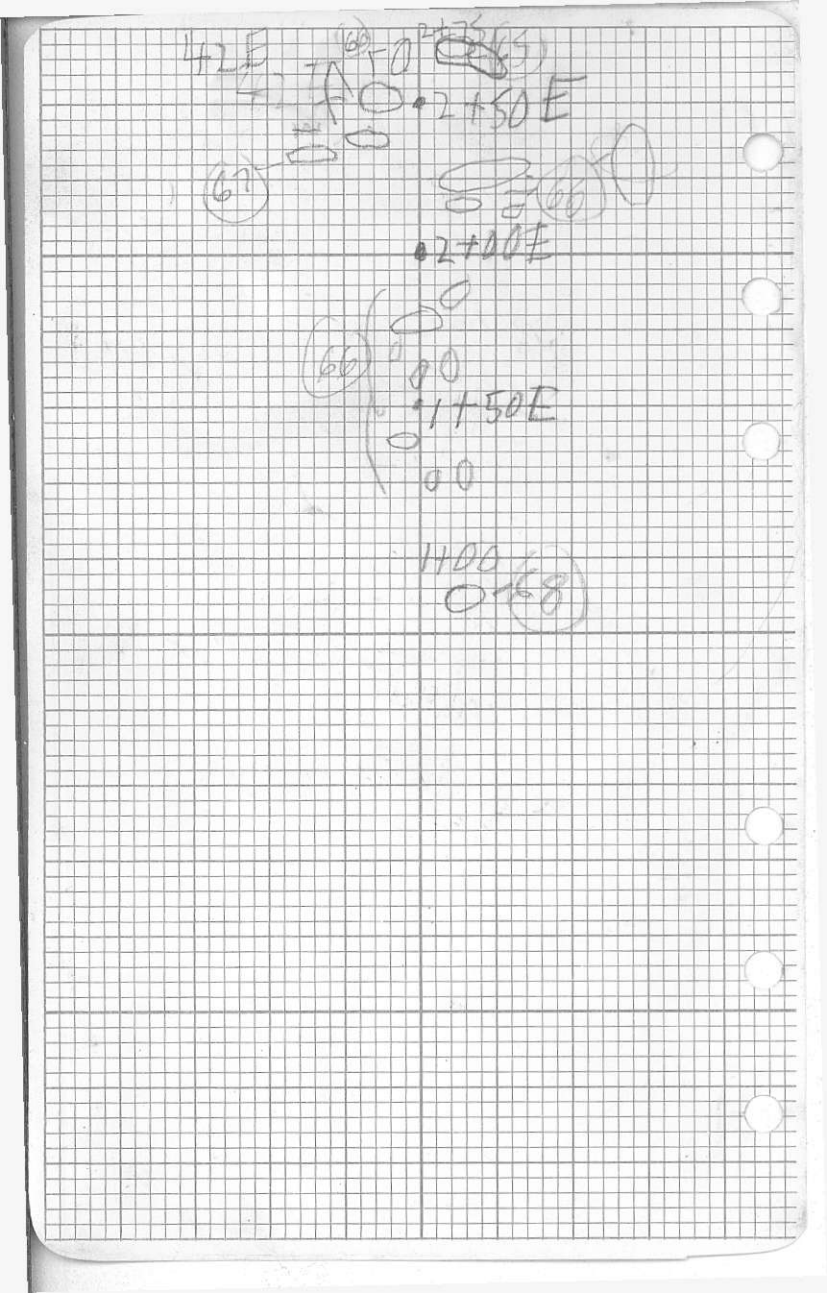
(61) RW-61 fine gr B, wpyr
wf - slippage down cliff (60)
140/70 SW - (?) - slipped
maybe float ing.
w → mcl

(62) fine gr B mass, wcl, flush with
cliff of mass granadio
wcl vn. 130/75° NE
+ fingers in B wcl

(63) contact - wf med gr B-And
mass granadio
180/75 E

(64) B dyke in granadio mass
~2' w
~80/60 S
med gr
wcl
wpyr.

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF


42+50E
42+00E
11+50E
1100

Aug. 23

42 E 2+50 N to 0+00 N

42 E 0+00 N to 6+00 N

(65) fine gr B dyke ~ 2' W
~140/75NE
in mass → wf granadio.

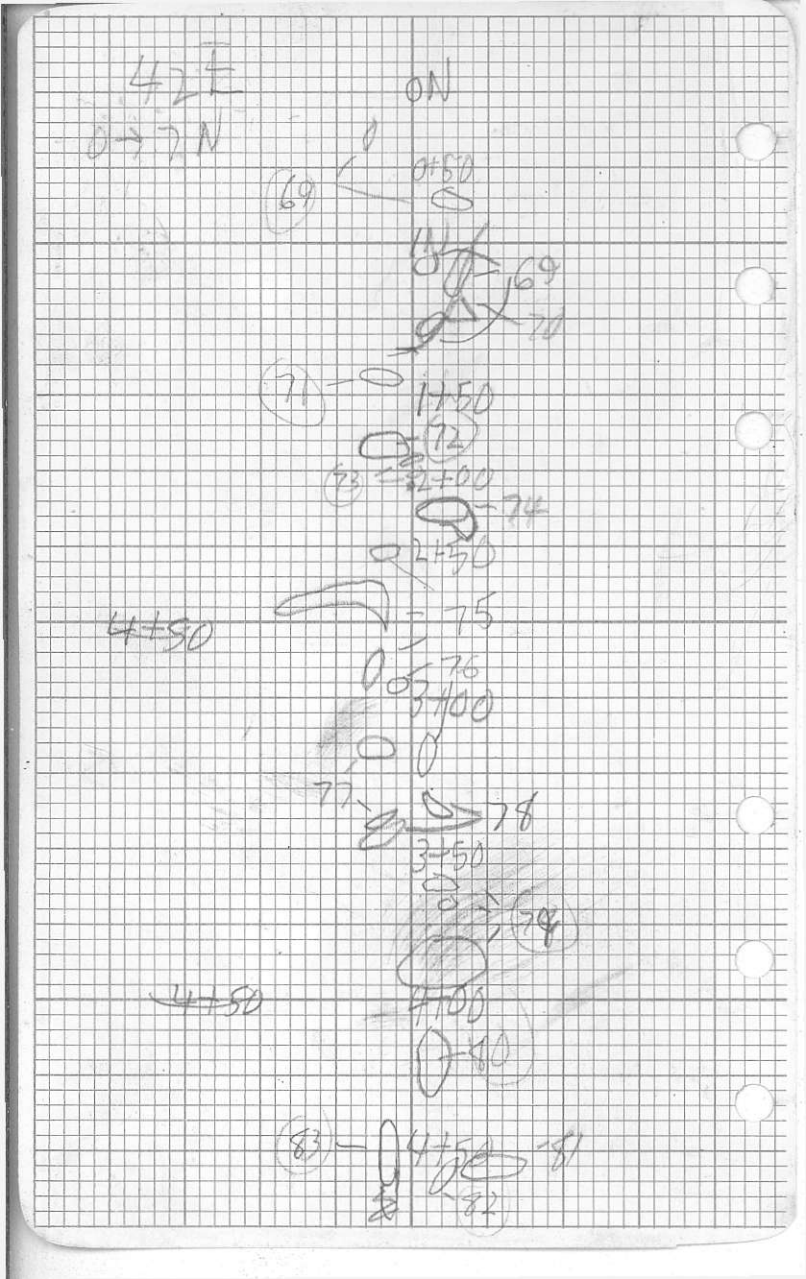
(66) granadio → mass.

(67) B. - wf (w cal.

(68) And-B. - (med gr), mass,
wpyr ~~f~~ outcrop? - could be
sage boulder.

HIT BL at 0+70S,
42+18E

METRIC FIELD (S)
R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF



42E

0→7N

0N

0+50

69

69

70

71

1+50

72

73

2+00

74

2+50

4+50

75

76

3+00

77

78

3+50

79

4+50

4+00

80

83

4+50

81

82

METRIC FIELD (S)

(69) - granadio. ~~mas~~ wf.

(70) - lots of B Elt in ck bed

(71) B RW-71 mass, wcal vn, wcl?

(72) B m cal vn (silicification, wep, WQ pods/vn's, wf

(73) B fine gn, si, wf.

(74) B-And med gn, wep, cal. vn. wf, wpyn, ~~si~~.

(75) B-And med gn, wf, (wca.

(76) Black limestone - marble mass.

wf

(77) RW-77 Bl. lime fmass.

(78) B - wf, fine gn amy.

(79) B-And wf, wcal vn, ~~wcl~~ wcal, (wq

pds

(80) B-And wf, wcal vn wcl RW-80, med gn

(81) B And wf

82 - Bl. limest wf

(83) granadio. wf

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF

42E

077N (continued)

4+50

84

85

5+00

85

86

5+50

85

86

6+00



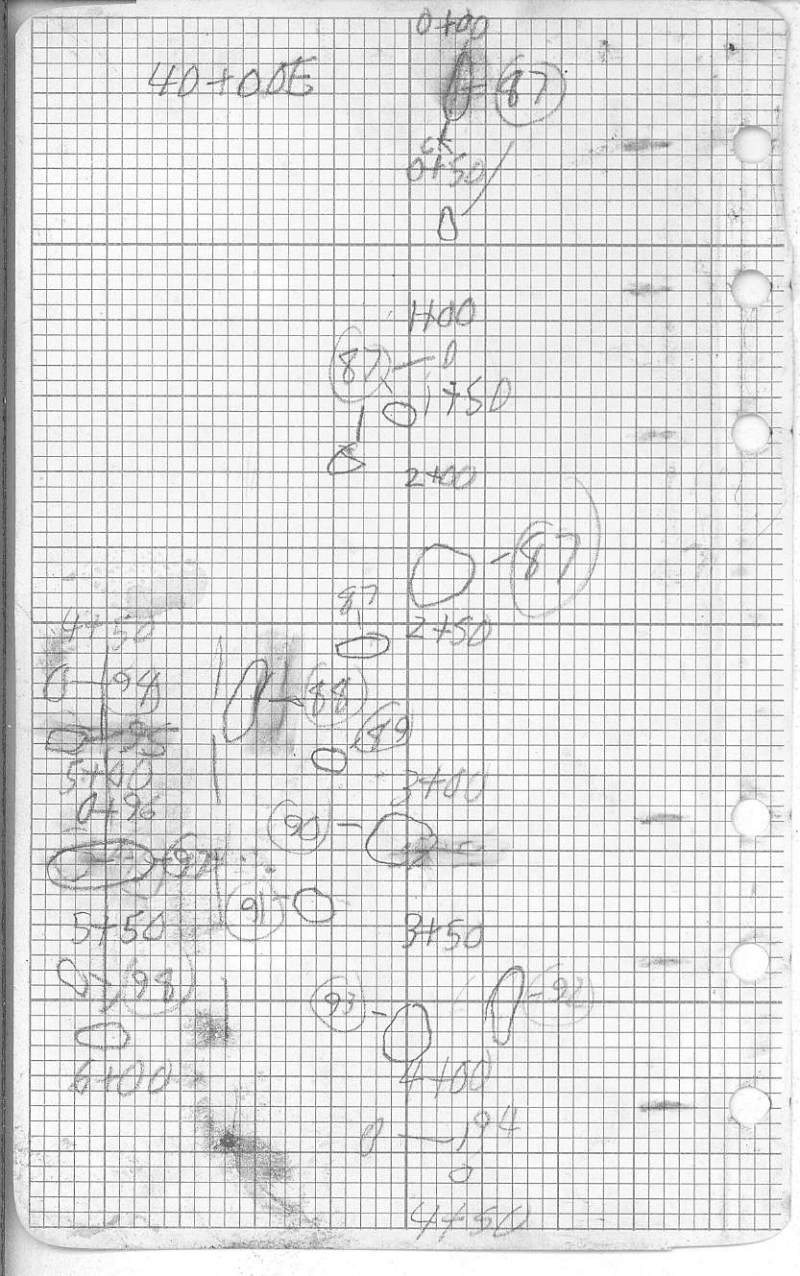
RW - 84

84) Showing in mass B of magn, m→ir B, iq vn. RW-84

85) granadio, si mass

86) B, wf ~~fine gr~~ fine gr, wcal vn

METRIC FIELD (S)
R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF



40+00E

0+00

87

0+50

1+00

87

1+50

2+00

87

87

2+50

4+50

0 94

88

89

5+00

0+96

3+00

90

92

91

5+50

3+50

98

93

92

6+00

4+00

0 94

4+50

Aug 24

40+00E 0+00→6+00N

87 granadio ~~m.wf~~ mass-
88 Bl. limestone wf ~~mf~~

89 B w>mf w cal
90 Bl. limestone wf
91 B si, wf, w cal, w cal vn.
RW-91
92 B m cal vn wf.

93 Black lime mass.
94 B wf → mass v fine gr
wcl?

95 - RW-95. B - ~~very obvious~~
~~flow banding~~ - m→i cal vn, wq.
96 B-And wf
97 - B (~~flow banding~~ (med→i
cal, cal. vn ~~f~~ si. wpyr,
RW-97. (m q vn.
98 - like RW-97 - B m-h cal
vn.

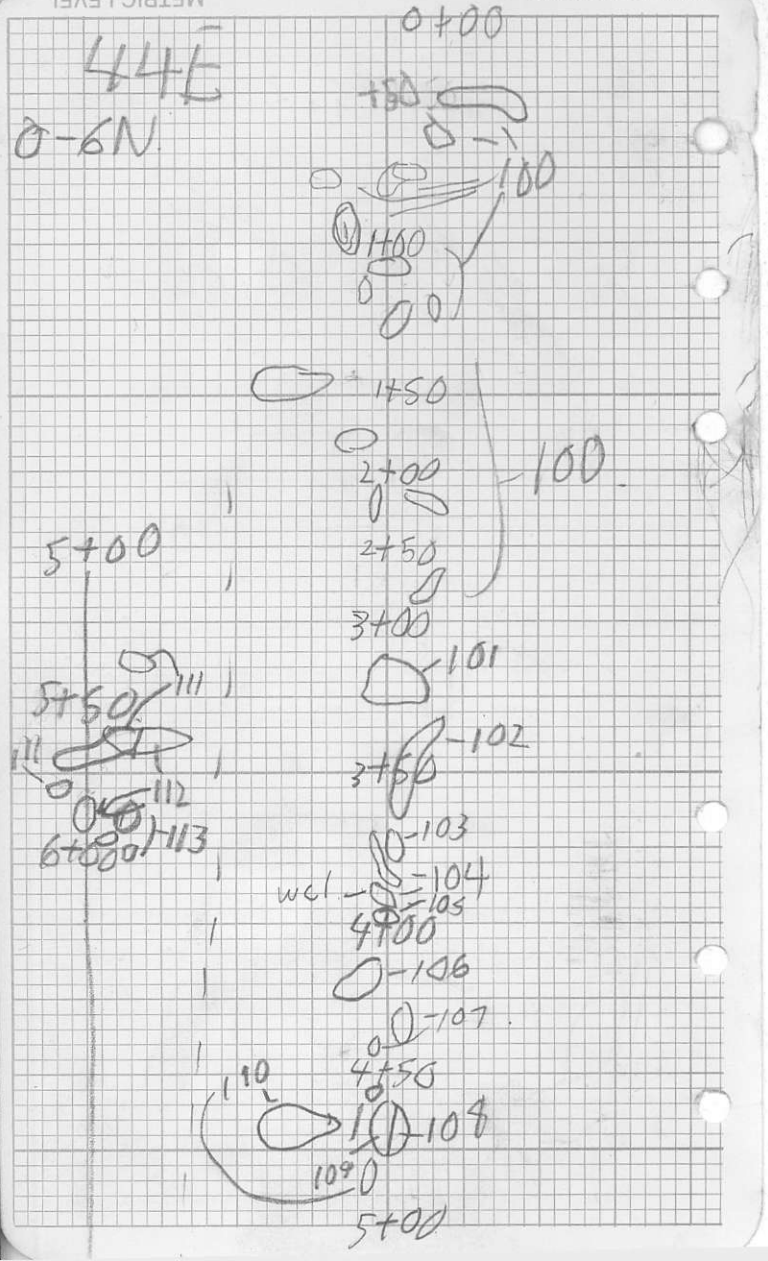
Aug. 26.

44E 0 → 6+00N

46E 6+00N → 2+00N

100 to 126

METRIC LEVEL
NEVILLE CROSBY INC.



100 Granadio. mass.

101 B mass, w → m cal vn, wcl.

102 RW-102 - B mass, wcal, w cal vn, wr.

103 - Diorite - mass

104 B wf, w cal vn, (wcl.

105 B mass, ~si

106 B mass

107 Coarser grain (porphoritic?) B. harder ~si wcal vn wq, (wr.

108 - Dacit porphry wf / contact - 320/~90

109 - B v fine gr. wcl, wcal vn

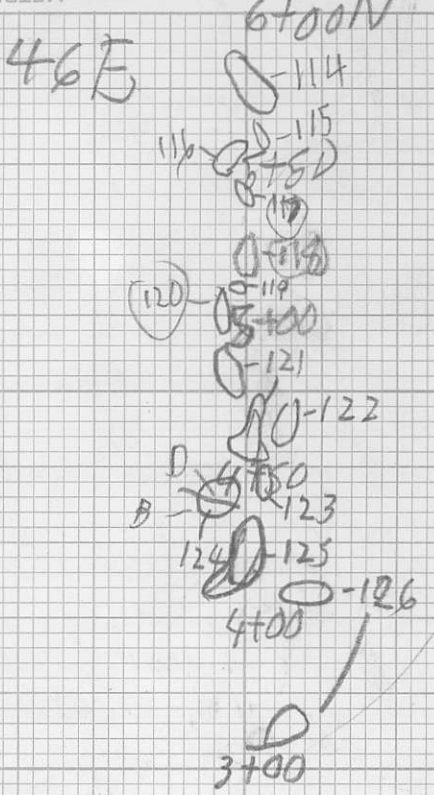
110 - Black limestone - mass.

111 B wpyr, wcal, wf RW-111

112 - Dacit Por. wr? - contact not visible

113 B wpyr, wf, wcal vn.

METRIC LEVEL
NEVILLE CROSBY INC



46E 6+00N to 2+00N

(114) RW-114 B- wr, very shiny metallic compared to usual. wq pds, vns.

(115) B wcl, wcal.

(116) Dac. por. massive.

(117) B mass.

~~118~~ (118) B mq vns-pds

(119) courser gr And-B

(120) fine gr B ~ wcal vn wcl, Cwp vn. Cwr, wf

(121) B ~~wf~~, wcal vn, mass, Cwr

(122) Dp. mass.

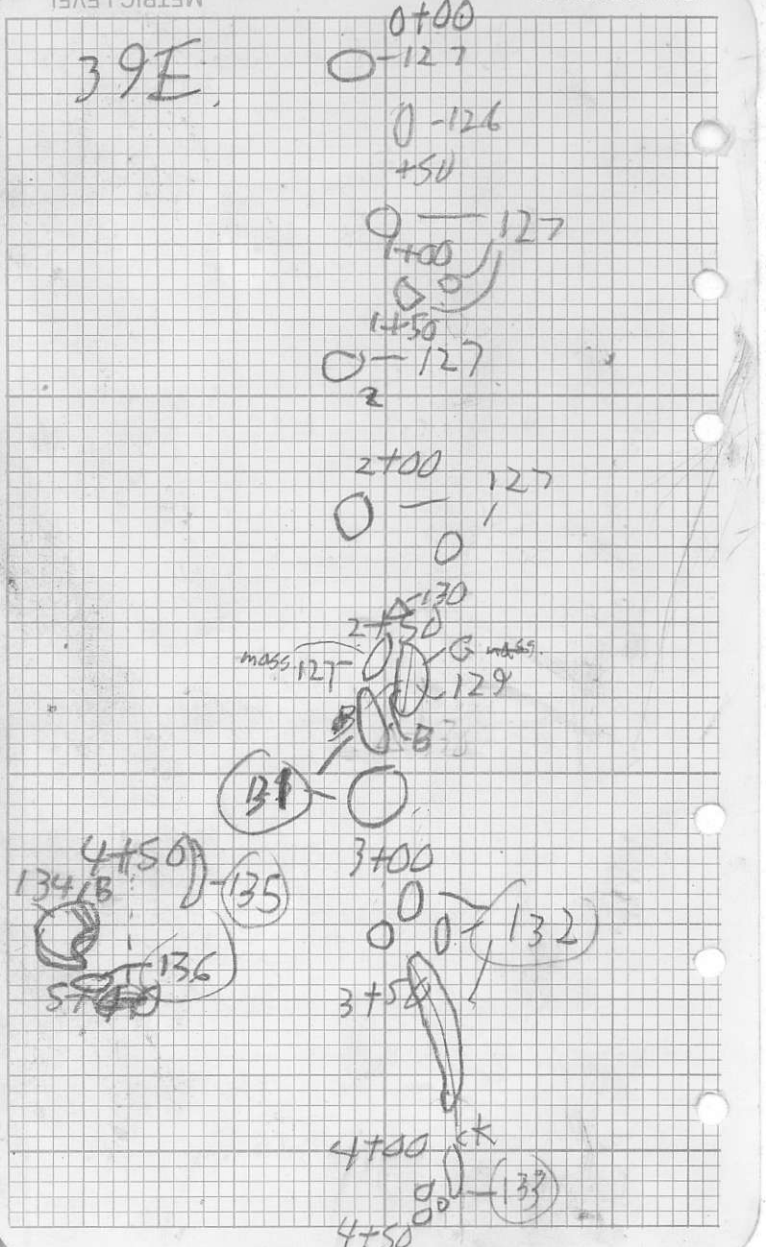
(123) B mass with pebbles of various kinds embedded in it.

(124) Contact: 270/90 - mass Dp, B mcal, wcal vn.

(125) B-amy. W-m cal. vn, Cwr, Cwep.

(126) Gr. Di. mass.

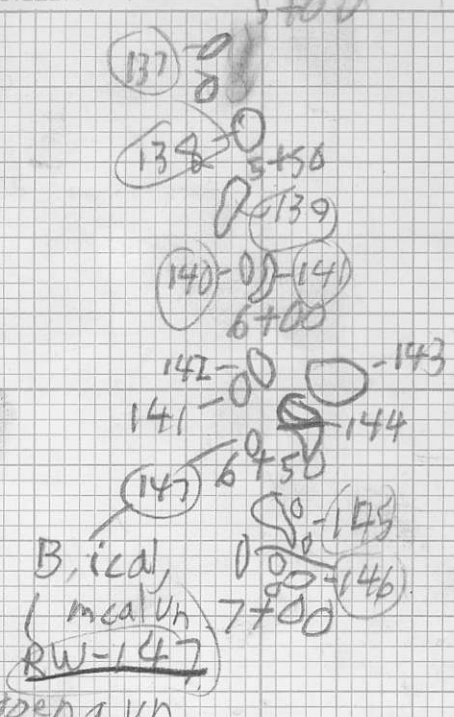
METRIC LEVEL NEVILLE CROSBY INC



39E 0+00 → 7+00 N
aug 28 /81

(127) Gr-Di mass wf.
(128) B mass wcl. outcrop?
RW-129 (wpyr, (si
(129) contact B-wcl, ~~e~~ mcal
vn. 310/90 (m → iq
m → ical in B. Granadio wep
+
RW-129

small
(130) Mflt. and open qvns in flt.
(131) Gr-Di, wf.
(132) Gr-Di - mass - wf - areas - stof Dp like in pods, like etc. stringer-like areas.
(133) Gr-Di - mass
(134) B m-ical dyke - 3m ≥ w
70/60 S in bl. limestone
(135) B w-mcal vn. wcl.
(136) ~~scarn~~? B wf - iq, cal vn. - scarn q open veins. mjr frac, vn plain 40/45 NW. B-si, ≥ mr wpyr iq integrated in matrix. - some Magnetite. RW-136.



NEVILLE CROSBY INC.
METRIC LEVEL

5+00

137

138

5+50

139

140 141

6+00

142 143

141 144

147 6+50

145

146

7+00

B, ical,
1 mcal vn
RW-147
open q vn

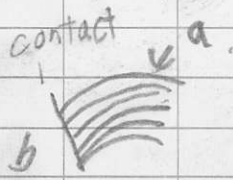
(137) Granadio wf.

(138) m-if B, a imbedded in sediments in ~~fract~~ curving fracture pl. ~~mr~~ w→m pyr.

RW-138. mq vn along frac. pl.

contact - 70/80S with wf B. wq pds, vns, wcal vn.

b w→m cal



(139) B mass, m cal vn

(140) B ~~ma~~ wf, wcal vn, wcl

(141) - Sed. interbedded.

(142) - B mcal vn (q vns, pds

(143) Dp wf. - w→m cal vn.

(144) below - Sed. - 1-2" layers - Silt St. Clay St. etc

contact - 90/25N

above Dp wf, wcal vn

145 - Sed in layers

146 - Dp. wf wcal vn

Aug 18th/81

BC4 DF

58E GOING SOUTH

BC- HUSTON

AUG/81

K spars are usually pink

Plug wiles are often absolute turned

BC-1 to 3

AUG 18 BC + DF

38E-05 to 65

① Grano-diorite w/ wep w. chlor alt and some of the white ponderous seracite

② Dacite porphy weathered white on surface and w/ weak rust feldspar + biotite

③ Grano diorite w/ patches of scarn matter?
(a) dark almost basaltic $1\frac{1}{2}$-$2\frac{1}{2}$ mm pebbles through sandy background. q eyes? or is this the garnet? mod. rust.

BC-1

④ Andesitic-Basalt with w. dies. py in very small cubes (mostly) and very wc. vesicular infilling w. quartz-round vesicals h. rust on weathered surface.

⑤ Very rusty rock layered and w/ lots of py. found from soil location 1+50 S is float. Sedimentary Argillites + sands

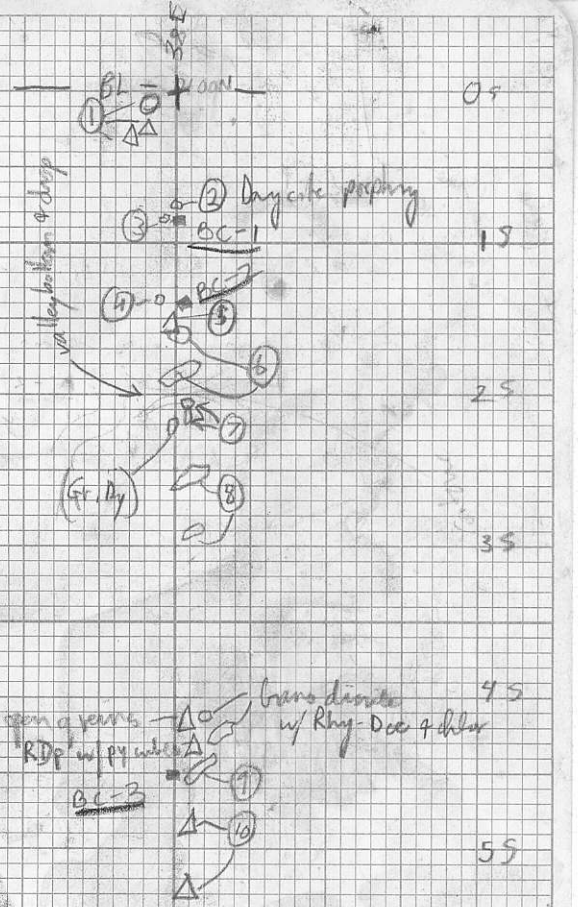
BC-2

⑥ Grano-diorite clean unalt no rust

⑦ Grano diorite clean w chlor unalt no rust cut by Rhyo-dacite very hard w/ chlor in it blocky and hard and translucent blue w/ w. ep veinlets or stringers through-out
GrDy & Rhy Dac. continues out to south w/ w-m rust in fracture surfaces no visible py

R. D. PENHALL LTD. MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF

METRIC
FIELD (S)



38E
BL
0 S
1 S
2 S
3 S
4 S
5 S
6 S
7 S
valley bottom & drop
Dry cake porphyry
BC-1
BC-2
(Gr. Dy)
open q veins
RDp w/ py cubes
BC-3
Grano diorite
w/ Rhy-Dce & chlor

AUG 18th

(8) Rhy-Dacite porphyry w/ chlor alt and grano-diorite in some OC. again w/ w. ep. veinlets

(9) Rhy-Dac. and Gran-diorite w/ chlor alt and cut by some Andesitic Basalt Dikes carrying dis-py. The Rhy Dac. is heavy in fracture controled py

BC-3

the basalt is very siliceous in places and even small veins present.

(10) Predominantly Basaltic float w/ w-mod ep. in veinlets and sometimes patches up to 3 or 4 cm across.

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF

METRIC
FIELD (S)

AUG 19th

BC + DF

Extending B.L.

Mapping between stations & sampling every 100m

BC - 4.5

BC+DF AUG 19th

BL 41E to 48E
and 130 meters south of 41E

(1) River Flt.

(2) Qfp. or Rhy. porphyry (ie) w/ q eyes BC-4
w rust no visible py

(3) Grano Diorite w/ no rust very slight chlor of maphics otherwise unaltered.

(4) Grano Diorite as above.

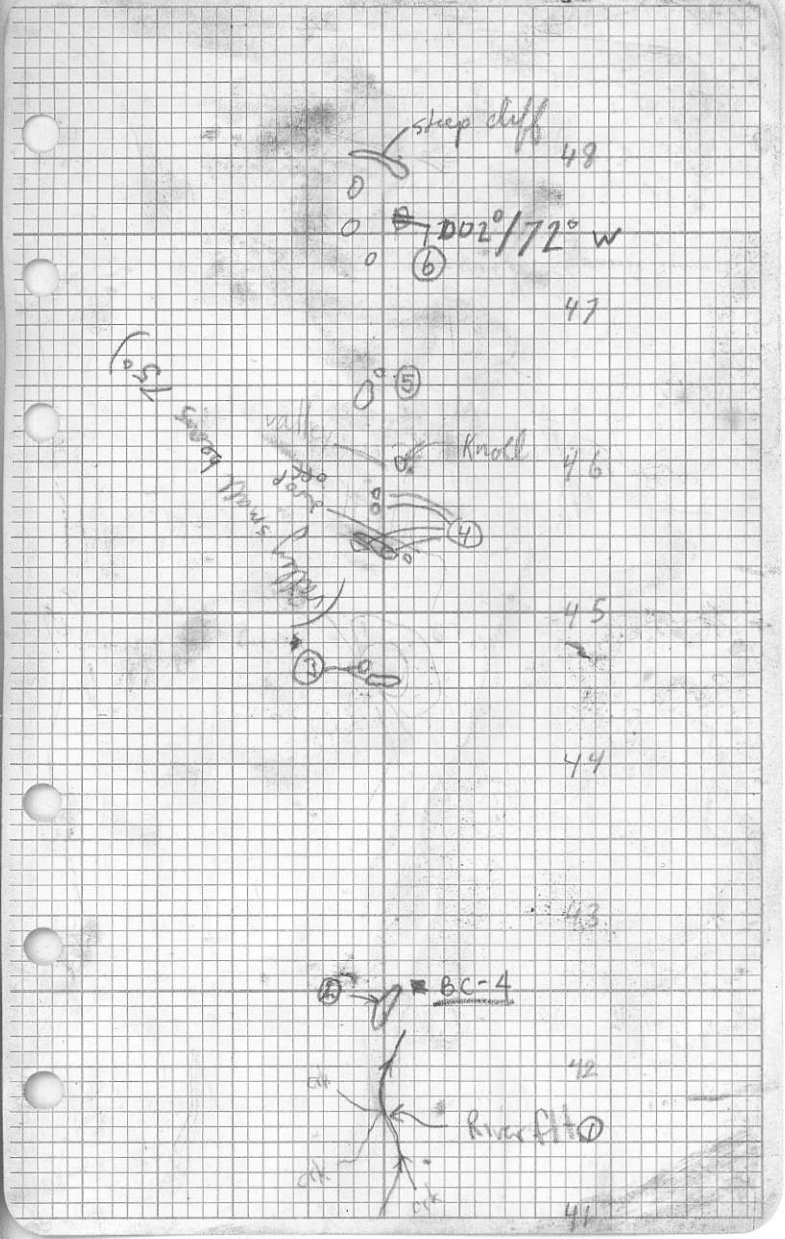
(5) As above in all respects.

(6) Grano diorite w/ andesite dike? approx 8" across

Otherwise all the same grano-diorite. w/ w rust (very weak)

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF

METRIC
FIELD (S)


steep cliff
48
DO2°/72° W
6
47
5
valley
Knoll
46
4
45
3
44
43
2
BC-4
42
River flt 1
41

① cliff O.C. bravo-diorite slight rust.

47 EAST INTO CAMP
TO THE B.L.

47E-	n	% org	% clay	% sand	% gravel	colour
-D+50S	4	15	25	55	5	grey!
1+00S	8	5	5	85	5	RED-OR

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF

METRIC
FIELD (S)

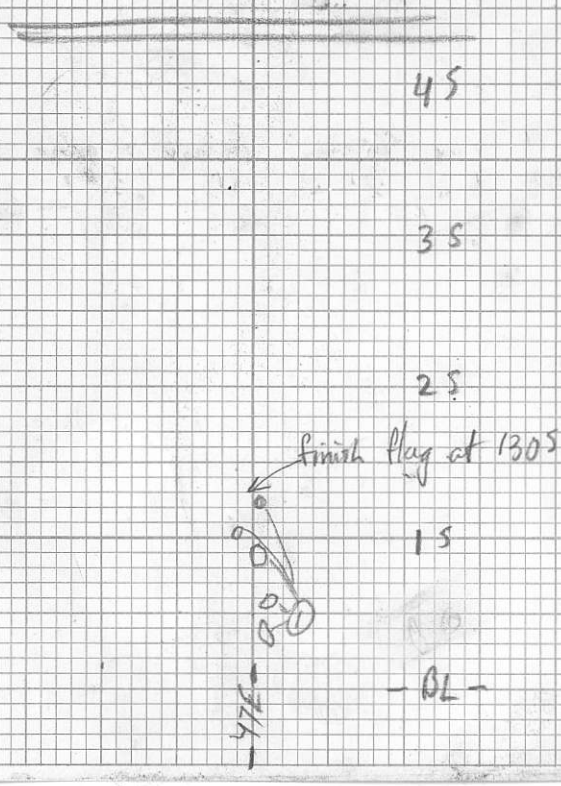
BC + DF Aug 19/81

Comments:

Sample # 0+50S is very poor from between rocks and leached seracite from surrounding granodiorite

from 0+50S contours fall rapidly toward camp

1+00 S Great sample!



BC-5 to 9 AUG 20th BC + DF.

On the way up to 36 E (north end)

passed: OC of solid Rhy very large at SW end of Knoll



Goes from E to W Basalt to Rhy to B to R to D
Largest Rhy dike approx 6' across and the smaller 2' // Sample BC-5 for ? analyses of Rhy

Rhy w/ beautiful flow banding
dike Runs 320°/80° to W.
is mod rusty and very weathered white
Basalt is mod-h rusty and h diss py
blue chlor inside and weakly vesicular

@ 1040 elevation on crk
contact w/ B on East and Grano D on on west Running 180°/85 to the East no rust
mod fract in B. m-h in G.D.

@ 1220 elevation 3+ ON and rust to crk

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
WASBAK WATERPROOF

METRIC
FIELD (S)

BC-6 for analyses very rusty loads of pyrite and q and even some magnetite throughout massive this is on line 35E exactly and just to East (no vis contact) is a Rhy dike standing out (subvert?) with vertical flow banding

25 m to the East of 5 N-35E are two pits or adit beginings that are lineated N-S and line up w/ my BC-6 the q veining however lines up E-West! obvious open q veins in all pits and at 3+50 N. Some epidote crystal in float. Grey Pumice like stuff is frequent backing for q veins. Heavy rust see notes of Helmut ~~Schmidt~~ Wober. Basically silicified basalt.

Hand spec # BC-35

AUG 20th (BC-1) DE

36E 0N to 7N

(1) 5+30 N. 1540' elevation
Silicified B. open q veining in M
to h amts. py associated w/ py
small pockets of massive manganese
to the N.W. BC-7
of the O.C. a magnetite seam the
q and py not visible there is much
calcite alteration through out area

(2) Magnet seam almost massive w/
Silic. Basalt float BC-8 is of the
Magnetite seam matter
also compass error noted over ridge
(the little one)

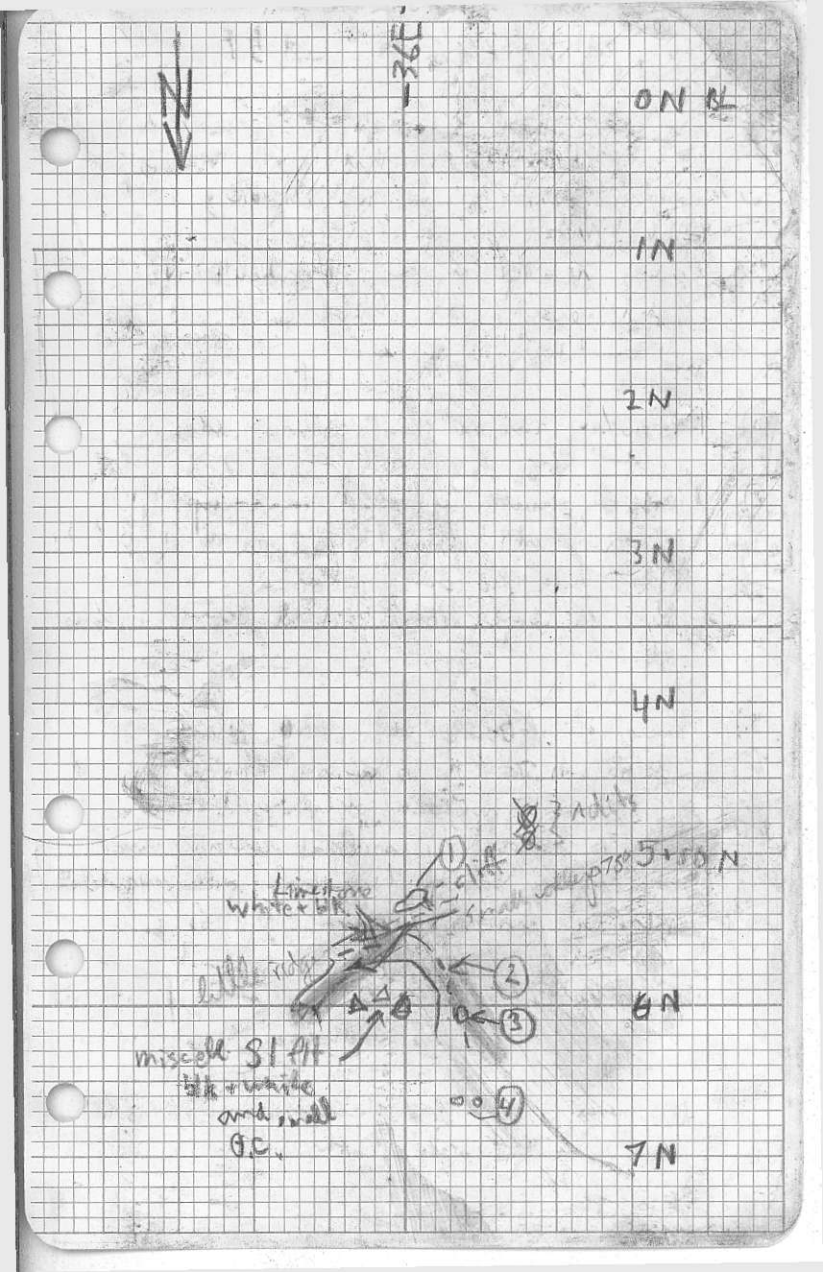
(3) Tiny O.C. edge of mag seam?
very silic B. almost Rhy. in
app. w/ mod calcite throughout
also a yellow stain and
some platy shiny mineral (non-magnetic)
(hem.) heavy mang. stain
BC-9

at elevation 17.50'

(4)
two small O.C.'s very weathered Silicified
B w/ m ep and mod - open q veins, mod
fracturing

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF

METRIC
FIELD (S)


N
-36E
0N
1N
2N
3N
4N
5+50N
6N
7N
Limestone
white + blk
cliff
1
2
3
4
miscell SI flt
blk + white
and small
O.C.

AUG. 22nd BC + DF

BC-10 to 12

(1) under fallen tree: Rhy w/ w rust and v.w. diss py
south Grano-dior. no rust and no visible
contact between them. small OC's of
G-Dior to West

(2) O.C. are becoming more Dioritic to N.
and are also have more chlor. alteration
(ie) up to mod at 2

(3) Rhy w/ w diss. py in very small OC

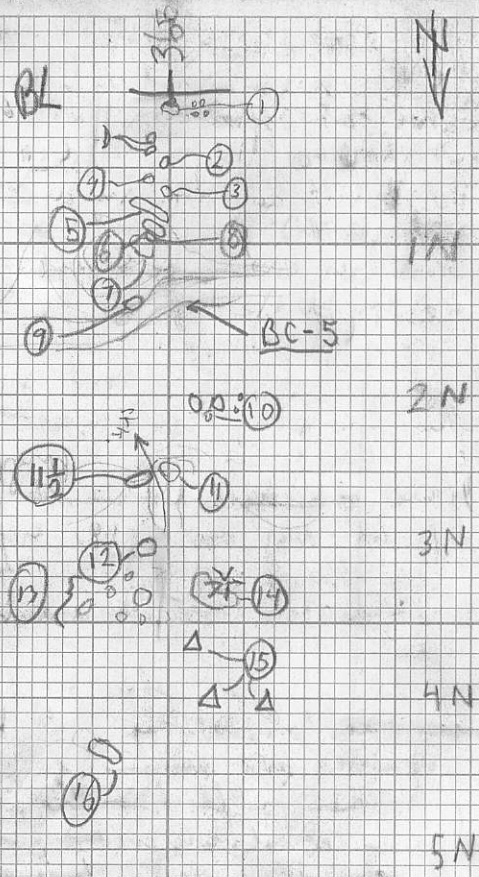
(4) Diorite w/ inclusions of Basalt up to 10cm.
in dia indicates large contact D & B?
also Basaltic float noted that is black
w/ clear cubic xtals and needle-like clear
xtals.

(5) Rhy dike 165°/ sub vert. BC-10
mod-h rust and w-m diss py w occasional
visible cubes. Fresh rock is greyish
in colour and has thin grey intensified
along fractures due to weathering.
the flow banding
in this Rhy is very obvious and when
broken it fractures into plates 3/4 cm thick

(6) Rhy dike as above different dike or same?
right above it on hill the two forming
steps 2/1 but the upper is blue
(ie) chlor. altered rather than grey.
and there is less rust and no visible py

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF

METRIC
FIELD (S)



(7) Basalt bluish rather than black fairly coarse grained w. rust

(8) Grano diorite definitely o.c. No contacts visible
(9)

(10) two O.C.'s w/ Rhy dykes bearing 155°/subvert what appears to be basalt along the edges or contacts w/ grano diorite. other O.C.'s of grano diorite in this area.

(10) the Rhy has w-m rust and w diss py
dykes are approx. 1' and 6-8' acron
and fracture platy. BC-11
The Basalt cuts both Rhy and GD at a
bearing of 035°/65° N.W is the blue
coarse grained dike stuff and carrys
mod. py (diss).

(11) Diorite slightly chloritized no rust
no diking

(11½) Black limestone unaltered

(12) Diorite and Grano-diorite cut by a
Basalt dike approx. 180° w/w diss py

(13) Grano-diorite unaltered and uncut

(14) An O.C. of very silic. basalt w/ epidote
veins and massive ep. and heavy chlor-
itization and massive q chlorite
pods. then in float below where tree
has fallen obvious evidence of scarn
w/ garnets xtals, quite rusty, heavy local
py q. xtals (open veins) etc, etc.
BC-12 is float of magnitite,
specularite, py and q xtals
magnitite is generally not very massive

(15) silicified Basalt w/ ep stringers in
w-m amts.

(16) Grano-diorite

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF

METRIC
FIELD (S)

BC-13 to 22

BRUCE + DANNY AUG 23rd / 81

TIED UP CLAIRANGES LINE:

From 34E-1N (Last years distance) to 34E-0+50S (Clairance) was 20m to the S.W.

33E 0+00 to 7 south

(1) Qfporphyry or a very light coloured granodiorite BC-14 no rust, very white inside and out.

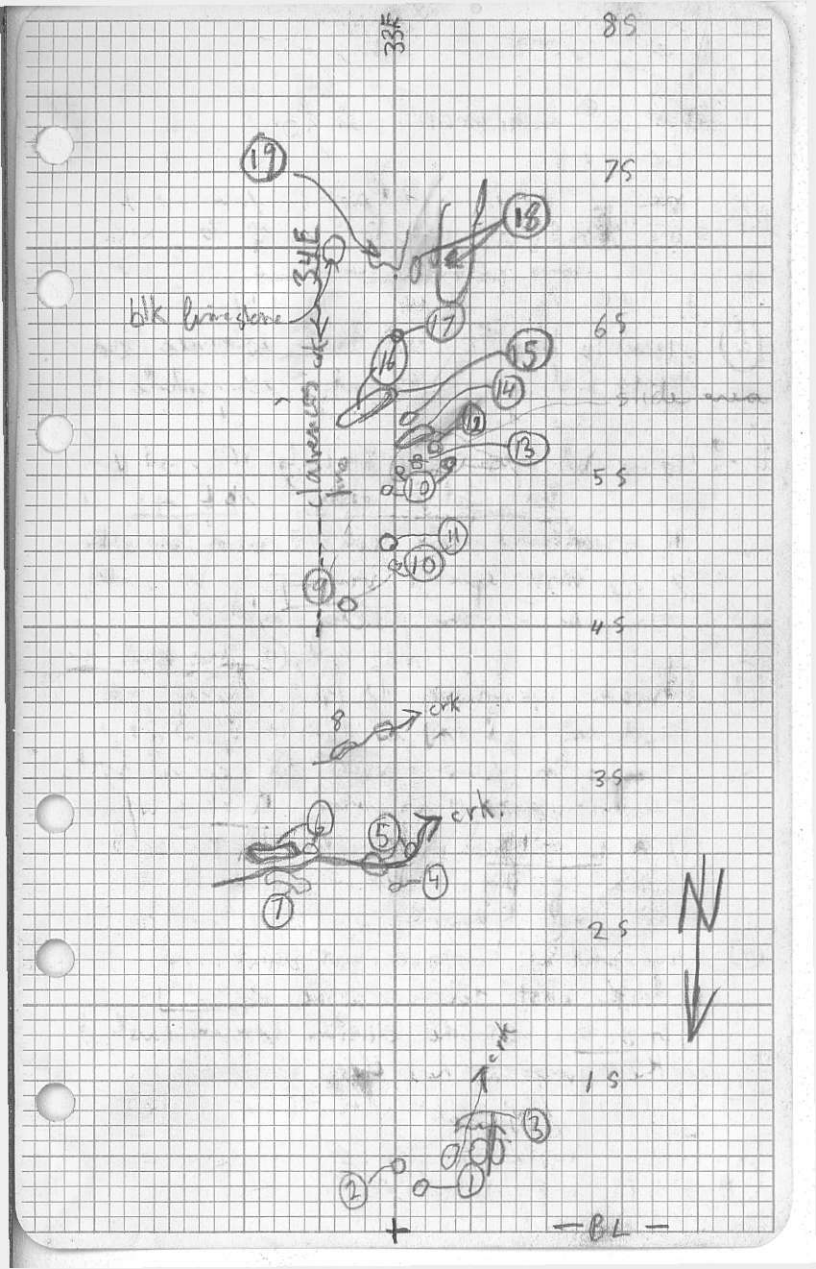
(2) Rhy w/ mod rust + flow banding: 165°/65°E BC-13 for assay. there is also a chlorite green dust in specks throughout and py blobs (small) that are quite rusty sample is probably quite leached.

(3) Rhy O.C. to East w/ mod-h diss and BC-16 fracture controled py very finely grains and also blotches and blobs of magnetite (massive) in it (ie) 10-20" across (perhaps the remnants of a contact no q around although the OC to the west of the scarn itself is a silicified Basalt. In the middle the magnetite scarn is solid and with little else in it. BC-15 this O.C. may be visible from the air.

(4) Rhy OC, mod-h, diss fine grained py BC-17

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF

METRIC
FIELD (S)



33E
8S
7S
6S
5S
4S
3S
2S
1S
34E
blk limestone
slide area
crk
crk.
crk
N
BL

AVG 2 3rd

(5) Basalts (both purple + green blue) "cut" or more accurately fill gaps, very irregularly in Rhy. there are clear needle like and rectangular tabs in the basalt and the Rhy is fairly clean w rust. Strike is ~E-W but trends N.N.W.

(6) Green to blue Basalts slightly calcified and not too rusty at all until the O.C. to the West where little py (ie w-m) observed, but lots of rust (streak) and some silvery grey metal? BC-18 also this O.C. has no calcite and does have a w-mod epidote veining in it & is in plates in places. Possibly Galena? Sphalerite? analysis of silver

calcite?

(7) Rhyolite porphyry. Q fp? There are nodules and a small % of small q eyes in this hard siliceous rock compare this stuff BC-19 w/ (1) on BC-14 note also the occasional clasts of pg.

(8) Rhy. and it has mod rust and w. py to the east there is some of BC-14 or BC-19 but the relation between this and the Rhy is not clear

(9) Silicified B/ w/ a little tiny bit of Calcite int mod rust.

(10) Rhy, w/ w. py + mod rust.

R. D. PENHALL LTD. MADE IN VANCOUVER, CANADA DUKSBAK WATERPROOF

METRIC FIELD (S)

(11) Rhy. w/ inclusions of Basalt? up to 2' across small and large. very weathered w. rust and no visible the basalt is of different types (ie) some very shiny jet blk others slightly greenish etc. Some rusty the jet blk ones not.

(12) As for (11) except much more obvious because smaller fragments its a Rhy, Basalt and a breccia but these doesn't seem to be one of these you could call a matrix. The Basalt looks like the last one to have formed though or does it have a lower remelting temp? ? ?

(13) Rhy w/ a basalt dyke cutting toward the N.E./ subvert and up hill are black limestones some of which have mod-heavy epidote stringers. The dike matter is quite silicified and weakly calcified. Black Limestones aren't fetid though!

(14) Rhy occ. trending N.E. w/ not only silic. Basalt fragments but epidote and ep. veins and even black limestone that is round so ∴ conglomerate?

... There are spots of pure Rhy however that have fine grained py. and in mod amts and the Basalts some of them have py. blobs as well.

(15) Silicified Basalt w/ hardly any py or rust.

(16) On top of Basalt some Rhy w/ vessels! (filled secondarily) with the normal silicated matrix and a grey dull matter mixed w/ py in the vessicals spotted effect heavy rust and a yellow stain arsenopy? (gimbo?)

BC-20
for assay

(17) Mag. Scarn 2 meters across visible massive magnetite, w-mod py w-mg esp. with the Basalt that is peripheral BC-21 for assay

(18) Basaltic breccia w/ milky quartz open uncrystalized pockets and epidote chunks Basalt itself seems to have been silicified separately but the whole mass overlays limestone black (except out crop to east)

(19) Basalt locally silicified and cut by dacite porphyry? BC-22 (w/ very w. diss py) in a W, S West direction.

R. D. PENHALL LTD. MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF

METRIC
FIELD (S)

BC – 23 to 28

BC + DF AUG 24th / 81

LINE 37E BL TO 7 North

① G. Diorite w/ mod chlor alteration cut by Basalt dyke (slightly amyg.) to the due N.W. approx. 3' dia

② G. Diorite as above same dike along western edge of O.C.? Diorite here has look of local alteration by Basaltic matter and unrelated pockets of py. occasionally. Some of the B dikes are as small as 1" across. Or is this fragments of B in the Diorite? BC-23 as well. $\frac{1}{3}$ K spar $\frac{1}{3}$ plag $\frac{1}{3}$ q.

③ G. Diorite w/ locally heavy chlor alt. and local w. rust also locally a plag colour of pink staining in the rock, associated w/ caoline? clayish white powder

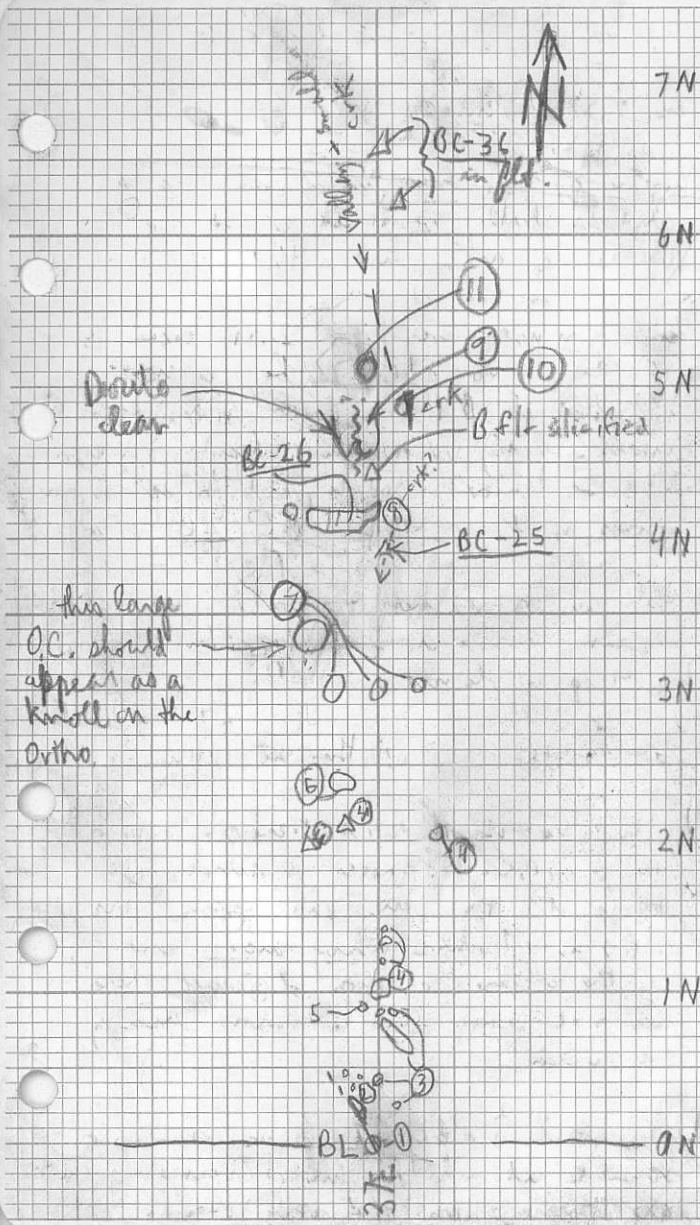
④ clean Diorite ⑤ Basalt. dike?

⑥ In a hill side of solid Grano-diorite float an O.C. of perhaps slightly silicified Basalt w/ w. py diss. and around this G.D. flt. w/ some fragments usually 6" a there abouts in dia of Basalt which seems to have been silicified heavily in the process.

⑦ Grano-diorite? BC-24 almost pure q. but obviously not a Rhy. just a little bit of chlor & epidote green colour in at. alt? and an even less amt. of calcite

R. D. RENHALL LTD. MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF

METRIC FIELD (S)



7N
6N
5N
4N
3N
2N
1N
0N
BC-36
in flt.
Diorite clear
B flt silicified
BC-26
BC-25
this large O.C. should appear as a knoll on the Ortho.
BL

BC-25 for thin section

(8) Huge Cliff face which seems to be the resistent portion of a mag. scarn. In the crk to east BC-25 are huge (up to 2' dia) boulders of mag. and garnet and a little weathered epidote but the whole area under the only torn up tree in the crk was made of these and compass went out 25m either side of this. Going east the actual oc. is silicified B (much open g xtals in this area as flt) w/ h. chlor. (wispy) and even massive chlor in xtals and h. ep again occasionally in xtals. BC-26 is a representation of the B. Then to the east of this a garnet & diopside rich area fading in to a pink q (white powder with plag coloured pink) dacite porphyry or what you'd call BC-24. The smaller o.c. to the east of this is Diorite-clean. The magnetite could possibly have worn easier and is therefore now only to be found under ground, the trees in this area are very large. Also in Magnetite heavy calcite and in the garnet or Diopside stuff there is malacite, azurite and calco-py. in w-m amts (more than trace)

not q
not ca

see BC-33 too

(9) Silicified B none of ep. py. or chlor visible at all magnetite and garnet are apparent but the very intense

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF

METRIC
FIELD (S)

weathering (up to 6" deep) prevented taking sample.

(10) Site B. open q crystals through-out in "veins" 3" wide BC-27

(11) Mag Scarn in another very large cliff face w/ more malacite around lots of rust garnets, open q in o.c. etc. BC-28 of magnitite + malacite

However! this is a Limestone / Basalt contact scarn and the rich stuff is the calcified Basalt there is a sort of black and white limestone conglomerate in the area as well no evidence of grano-diorite

BC-29 to 34

B.C + D.F. AUG 26th

LINE 38E GOING NORTH TO 7+00

(1) Grano-diorite w-mod chlor fairly massive no dikes mod fracturing w. rust

(2) Grano-diorite as above w/ a clean plane indicating possible fracturing or fault at 155°/subvert and a few clean blue Bas. dikes through it orient unknown. There are also clearly fragments of G.D included in the B! w rust and no vis. py anywhere

(3) D.C. of pure B quite blue soft rusty brown esterior above that (e) closer to LINE G.D. w/ no B dikes

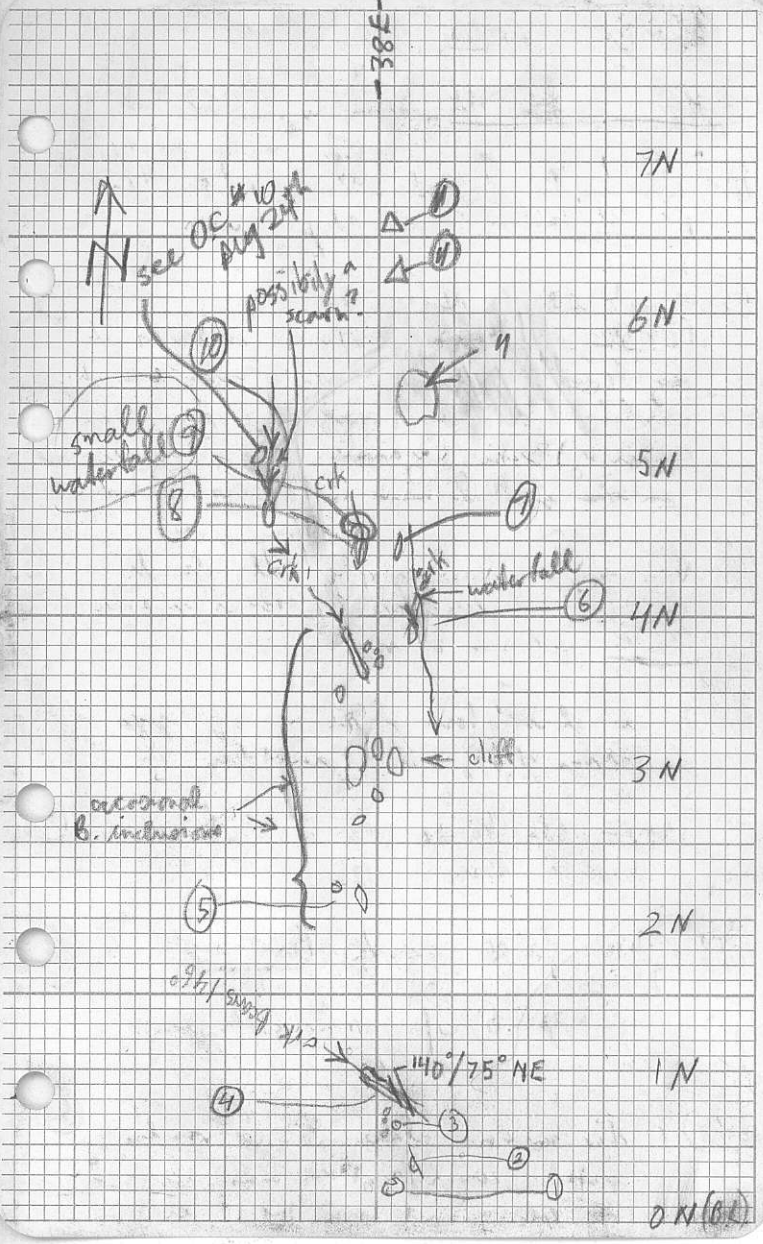
(4) 2'-2½' B dike (blue-green) cuts through am-heavy chlorit. G.D. m-h fract. in direction of creek. dike only w/fr. possible fault on 146°? no rust in B w rust in G.D.

(5) G-D w/w. chlor BC-29 from area to North w/ wpy (disseminated). occasional K-spar no noticable plag.

(6) Rough dike through G-D of BC-30 a chlorite (mod) blue Rhyolite looking stuff w/ py q. I think mag. cubes in it open q and py in silic-calc field (S)

P.D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF

METRIC
FIELD (S)



-38E-
7N
6N
5N
4N
3N
2N
1N
0N (B.L.)
N
see OC #10 pg 24
possibly a scarp?
small waterfall
crk
crk
crk
waterfall
cliff
occasional B. inclusions
crk basins/46°
140°/75° NE

and garnet flt
is in the area. further N and into the crk.
there are silic Basalts w. mod chlor and
w-m epidote veins through rusty veins
and specks of malacite here & there
BC-31 taken for analysis w/ some vein
matter and some of the Basalt.

BC-32 a combination of representation from the
calco mag & scarn itself ie very heavy calcite
q xtals magnetite (including some thats
purplish) spectrolarite and malacite
calco-pyrite massive epidote clusters
and same w chlorite huge calcite
Rhombs surrounding q xtals, etc etc.
limestone contact here (somewhere)?

BC-33 pinkish q veins in usually w-m
amounts again associated w/ scarn
as plag colour of pink at edges of
scarn (ie) past garnet in halos?

Above water fall more silic B in
flt and a small O.C.

(7) More of dike rock BC-30

(8) Silicified B w/ w. veining usually
through out is silica rich

(9) Another scarn calco and no visible
magnetite limestone & Basalt no
visible garnet and thats all BC-34

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF
METRIC
FIELD (S)

except wispy chlorite (ie blobs of it)
blobs of q and q stals. no epidote

to North and W. we see garnets and
specularite and ep. but still only
traces of mag. may have weathered out
of surface hence there is heavy mass
over entire area

(10) Silicified Basalts in crk bed next over
there is float indicating the
presence of a seam in this
crk bed as well (ie) q stals blobby
chlor etc. huge boulders of calcs
calcite (limestone) basaltic type mass

(M) BC-36 interbedded cherts and
silt stones some that seem basaltic
some that seem argillitic or silicious
bedding seems almost horizontal
dipping slightly to North East.

BC + TS AUG 27th

47E GOING SOUTH TO

SEE AUG 19th FOR 47E-0+50S and 47E-1S

47E	Colour	% clay	% org	% sand	% gravel	elevation
1+50	15 Pik Brn	0	70	10	10	530'
2	8 Grey	20	30	50	0	"
2+50	6 to	20	40	40	0	480'
3	6 lt brn	25	35	40	0	510'
3+50	10	20	40	40	0	590'
4S	2 lt brn-orange	30	30	40	0	660'

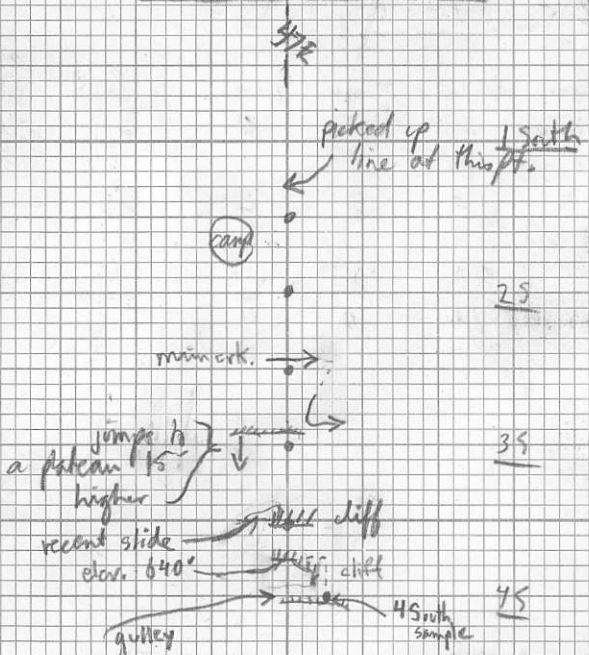
COMMENTS ON SAMPLES

Samples 2 & 2+50, 3 & 3+50 & 4 scraped from G Diorite are mostly granitic sand (ie) coarse and white.

R. D. PENHALL LTD. MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF

METRIC
FIELD (S)

COMMENTS ON ROUTE



No Cu	Cu	Cu and Ag
BC-5	BC-6	18
7	8	
10	9	
11	12	
13	15	
17	16	
20	21	
26	25	
27	28	
31	32	
	34	

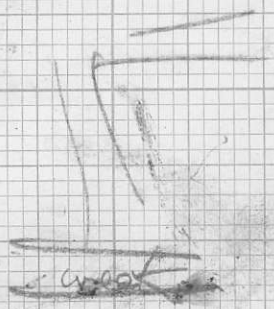
R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DURABAK WATERPROOF

METRIC
FIELD (S)

30.7

32 in water

66.9 fork



88

Clarence

Williams

4505 # 360

NEVILLE CROSBY INC. METRIC LEVEL

6+50

6 97 — dried river

big log.

7+25 — little creek

7+35 — little creek

7+50

~~375+ 6+50~~

33 — creek

47 — logs

47 creek

logs

NEVILLE CROSBY INC. METRIC LEVEL

	color	Organic	Sand
6+50S	Red	20%	10%
7 S	Brown	40	30%
7+50S	Brown	40	20%
37E 7+50S	Brown	30%	organic
37E 7+00S	Brown	40% sand	20
37E 6+50	Red	40%	20%
37E 6+00	light brown	40% sand	20 organic
37E 5+50	dark brown	50%	organic
37E 5+00	light brown	40%	organic
37E 4+50	grey brown	30%	clay 20 organic
37E 4+00	brown	60	organic 20 % clay
37E 3+50	dark brown	50% organic sand	10% 25% clay
37E 3+00	greyish brown	40%	15% sand 20 organic
37E 2+50	red	50% sand	20% clay 15% clay
37E 2+00	dark Brown	40% clay	20% sand 15% clay
37E 1+50	light brown	40% org	20 sand 10 clay
37E 1+00	brown black	40% org	20 sand 10 clay
37E 0+50	light brown	80% org	2 clay
37E 0+00	36 S		

0+20 36+20 east.

37E 0 → 6+50S

Thursday 20th August

35+00E

	color	clay	organic	sand
35E 0+50S	greyish brown	40%	30%	10%
" 1+00S	black	30%	30%	15%
" 1+50S	light brown	10%	20%	20%
" 2+00S	beige	20%	20%	15%
" 2+50S	dark grey	40%	20%	10%
" 3+00S	light brown	30%	30%	30%
" 3+50S	brown	10%	30%	30%
" 4+00S	dark brown	40%	30%	10%
" 4+50S	greyish brown	40%	20%	20%
" 5+00S	black	50%	30%	10%
" 5+50S	dark brown	40%	30%	20%
" 6+00S	black			

35E 0 → 6S

Aug 20

0+50s
+28 log

1+48s log

2+80s
30 creek at

+
300s

4000s log

4+25s creek

NEVILLE CROSBY INC. METRIC LE

7+34E	color		organic	soil
6+00S	Brown	Grey Sand 30%	20%	30%
5+50S	Red	20%	40%	20%
5+00S	Red	20	40%	30%
4+50S	Brown	10%	40%	20%
4+00S	Brown Grey	30%	30%	20%
3+50S	light brown	20%	40%	30%
3+00S	light brown	30%	40%	10%
2+50S	dark brown	20%	60%	20%
2+00S	brown greyish	20	40%	30%
1+50S	dark brown	20	60%	30%
1+00S	dark brown	10%	60%	20%
0+50S	greyish brown	10%	40%	30%

Hit Base Line

At 1+75 south

33+80E

6+00 ℄ ||

creek

3032

NEVILLE CROSBY INC METRIC LE

40 42 Sat 22/81

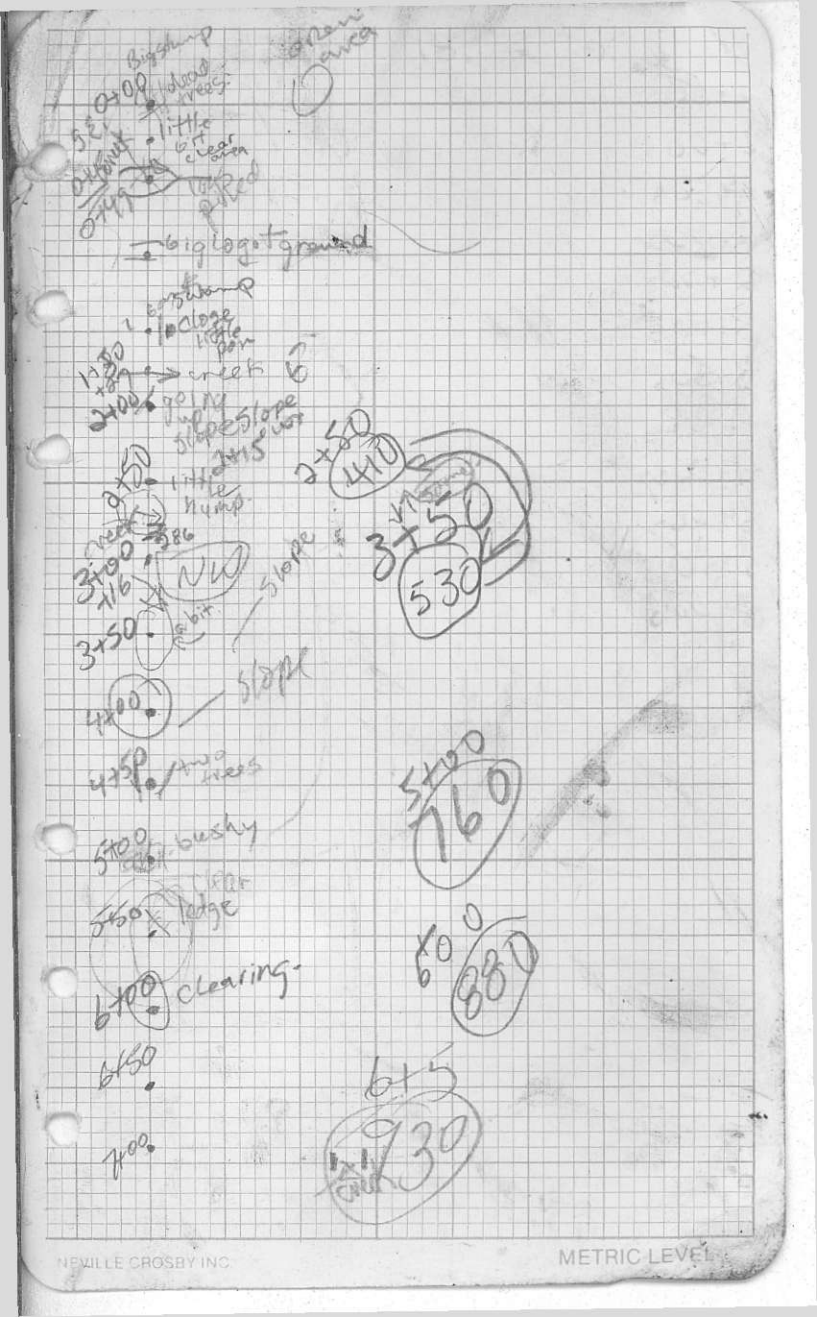
	color	organic	sand	clay
0+50s	brown	30%	20%	20%
1+00s	grey	20%	20%	40%
1+50s	dark brown	30%	10%	30%
2+00s	grey	20%	20%	40%
2+50s	brown	30%	10%	20%
3+00s	brown	30%	40%	20%
3+50s	light brown	20%	20%	30%
4+00s	brown	20%	40%	20%
4+50s	grey	20%	30%	40%
5+00s	brownish grey	30%	20%	30%
5+50s	brown grey	20%	20%	40%
6+00s	dark brown	30%	10%	40%
6+50	red	40%	10%	20%
7+00	brown	30%	10%	30%

Aug 22

40E 0s → 7S

Big stump
0+00 dead trees
little bit clear area
0+49 [illegible]
big log at ground
bigstump
1+50 close little pan
1+89 creek
2+00 going up slope
2+15 slope over
2+50 little hump
creek
3+00 +16 NW
3+50 bit
slope
4+00 slope
4+50 two trees
5+00 bushy
5+50 clear ledge
6+00 clearing
6+50
7+00

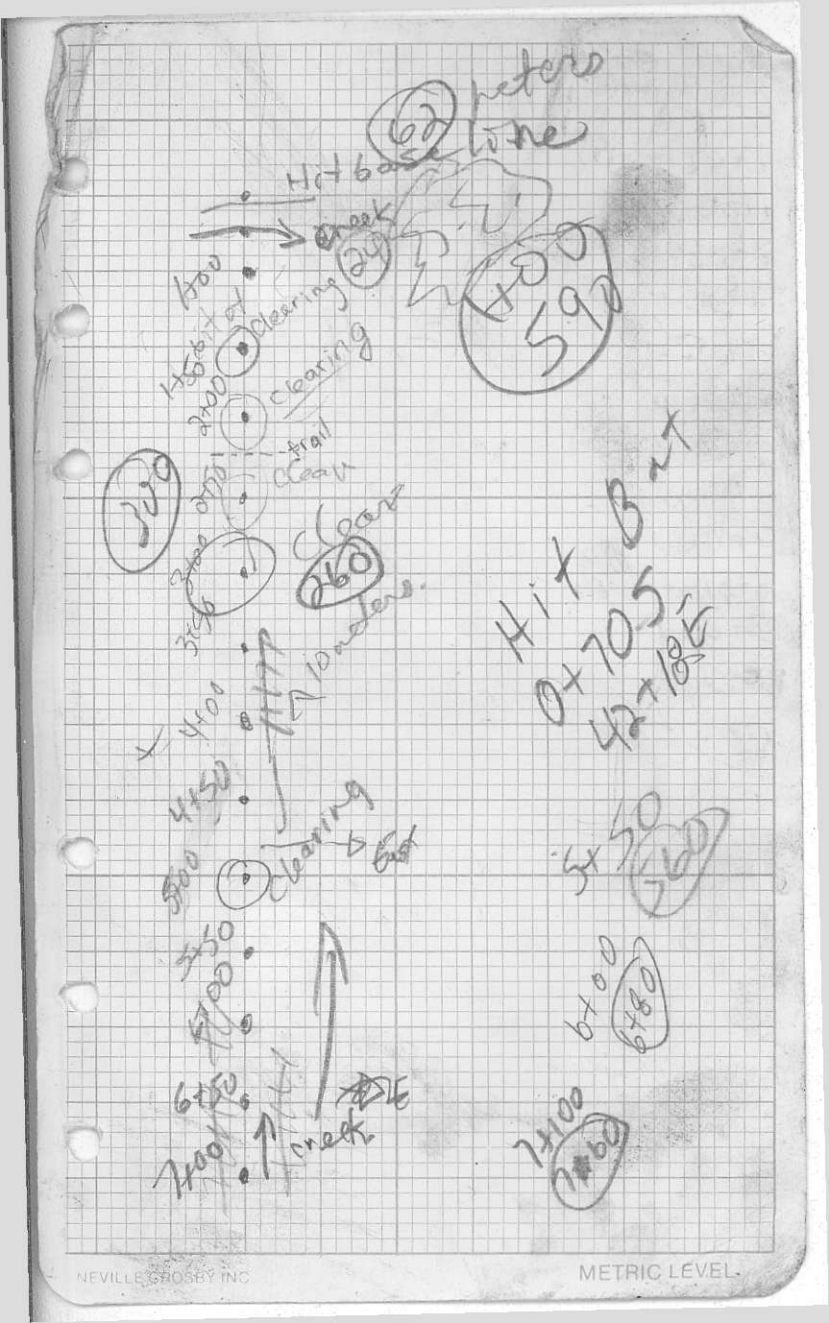
2+50 410
3+50 530
5+00 760
6+00 880
6+5 930



Sat 22.81 42.E

	Color	organic	sand	clay
0+50s				
1+00s	red brown	20%	20%	30%
1+50s	red grey	30%	20%	30%
2+00s	grey/tan brown	20%	20%	40%
2+50s	grey brown	30%	20%	30%
3+00s	Shitty brown	10%	20%	30%
3+50s	Brown	30%	20%	20%
4+00s	Brown shitty	40%	30%	5%
4+50s	grey	30%	20%	30%
5+00s	dark grey	40%	10%	30%
5+50	grey	30%	20%	40%
6+00s	dark brown	40%	10%	30%
6+50s	red	30%	15%	20%
7+00s	dark brown	30%	10%	30%

Aug 22
42E OS → 75

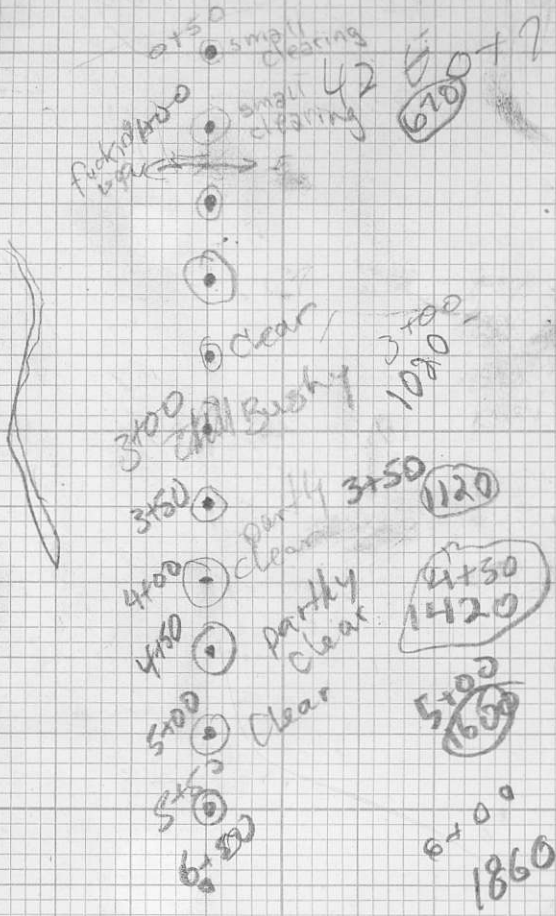


NEVILLE CROSBY INC
METRIC LEVEL

Sunday 23, 1981 42E

	color	organic	sand	
0+50N	greyish	30%	10%	30%
1+00N	greyish brown	30%	20%	40%
1+50N	black	50%	10%	30%
2+00N	dark brown to grey	30%	10%	30%
2+50N	black	40%	10%	20%
3+00N	pure grey	20%	20%	40%
3+50N	greyish black	40%	10%	30%
4+00N	brown	30%	10%	20%
4+50N	brown	40%	10%	30%
5+00N	light brown	30%	20%	30%
5+50N	brown	30%	10%	30%
6+00N	grey	30%	10%	40%
6+50N				
7+00N				

42E Aug 23



NEVILLE CROSBY INC METRIC LEVEL

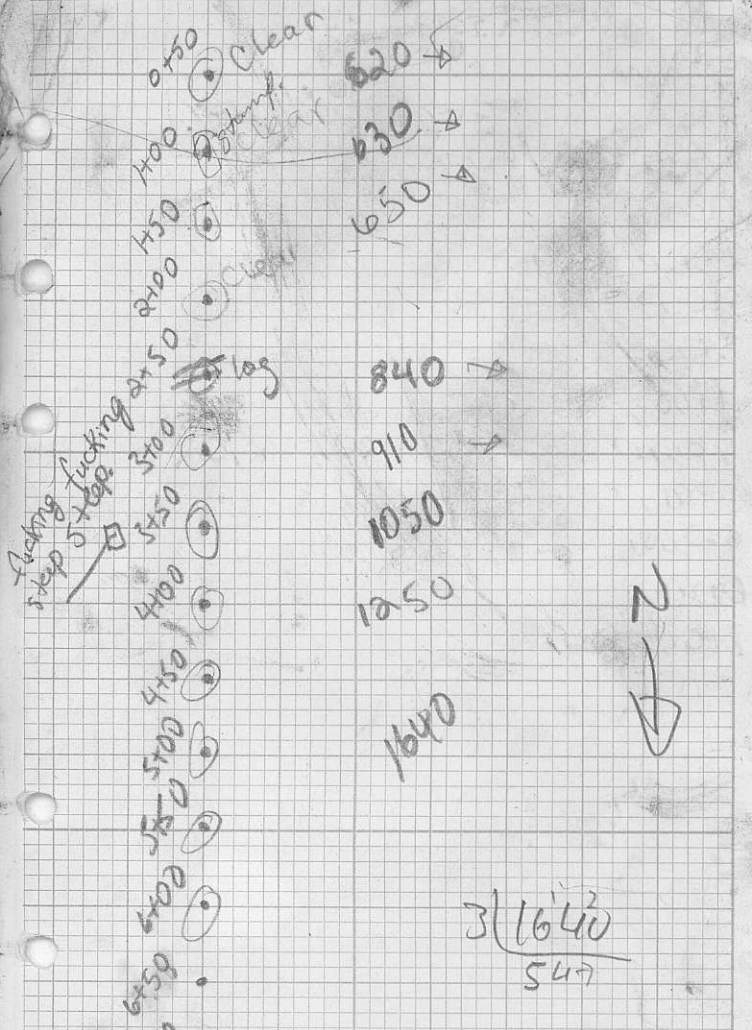
Sunday 23, 1981 40E

	color	organic	sand	clay
0+50N	grey brown	30%	10%	2%
1+00N	black brown	40%	10%	20%
1+50N	black	50%	10%	30%
2+00N	red	30%	20%	10%
2+50N	grey brown	30%	20%	30%
3+00N	black	40%	20%	20%
3+50N	black	60%	10%	20%
4+00N	black	50%	20%	20%
4+50N	red	30%	10%	20%
5+00N	brown	30%	10%	10%
5+50N	brown	30%	10%	20%
6+00N	brown	30%	10%	30%
6+50N				
7+00N				

40E Aug 23

0N → 7N

40E 0+00?


0450
Clean
0500
0520
0530
0550
0600
0630
0650
0700
0720
0750
0800
0820
0840
0850
0900
0910
0930
0950
1000
1030
1050
1100
1120
1150
1200
1230
1250
1300
1320
1350
1400
1420
1450
1500
1520
1550
1600
1620
1640
1650
1700
1720
1750
1800
1820
1850
1900
1920
1950
2000
2020
2050
2100
2120
2150
2200
2220
2250
2300
2320
2350
0000
0020
0050
0100
0120
0150
0200
0220
0250
0300
0320
0350
0400
0420
0450
0500
0520
0550
0600
0620
0650
0700
0720
0750
0800
0820
0850
0900
0920
0950
1000
1020
1050
1100
1120
1150
1200
1220
1250
1300
1320
1350
1400
1420
1450
1500
1520
1550
1600
1620

Wednesday 26 1981

	Color	Sand	Silt	Clay
0+50N	grey	20%	30%	20%
1+00N	greyish brown	30%	30%	20%
1+50N	grey brown	40%	20%	30%
2+00N	grey red	20%	20%	40%
2+50N	brown	10%	30%	20%
3+00N	black	40%	20%	30%
3+50N	brown	20%	20%	30%
4+00N	grey black	30%	20%	20%
4+50N	grey brown	30%	20%	20%
5+00N	brown	20%	30%	30%
5+50N	red	30%	10%	20%
6+00N				
6+50N				
7+00N				

44E 0+50N
0N → 7N

0+50 little slope → 780

1+00 kinda bushy → 820

1+50 bushy → 800

23 → creek SW.

2+00

2+50 kinda clear → 790

SW

3+00 slope

3+50 - falling tree slope → 950

150 SW → creek.

4+00 clear → 1040

4+50 clear → 1100

5+00 clear → 1160

5+50 → 1240

6+00

6+50

7+00

crossed creek 30 meters S.W lake.

Station 2+00N 15+020 meters west of lake.

N

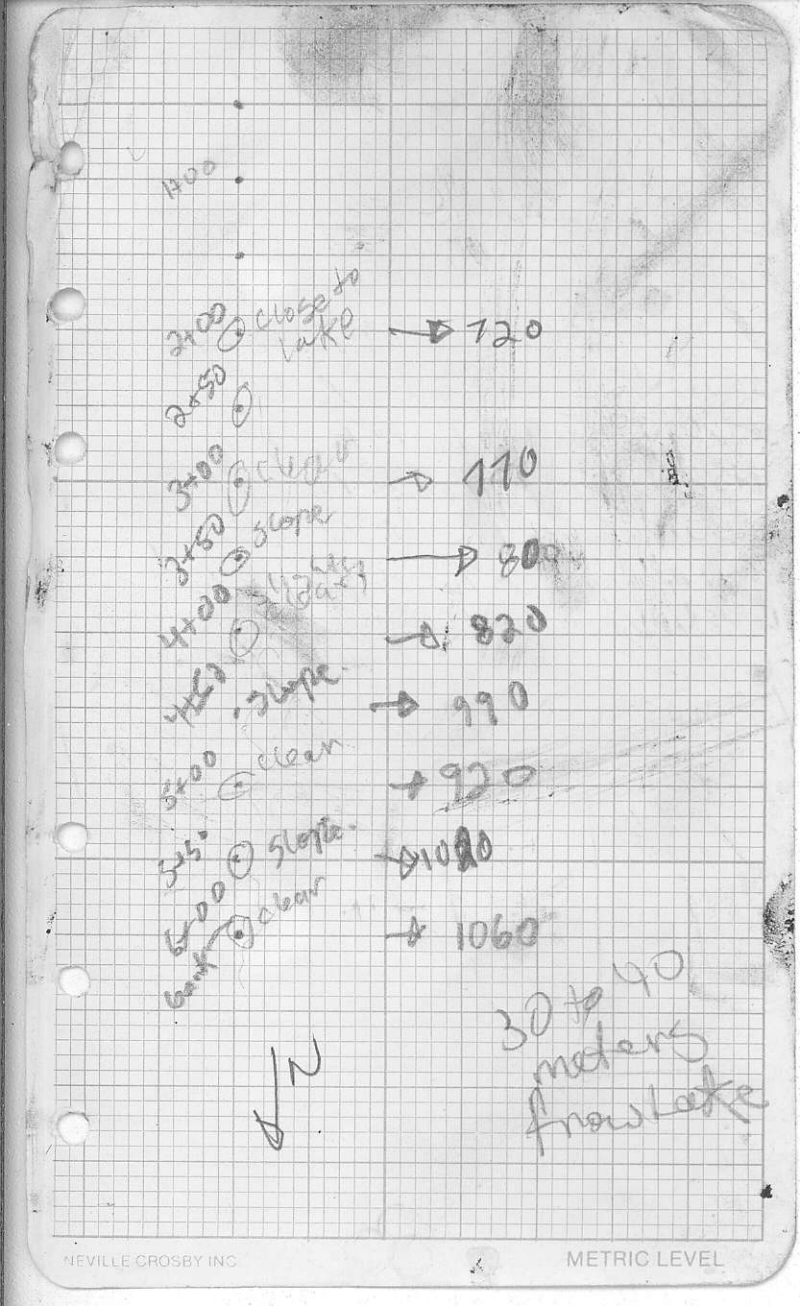
NEVILLE CROSBY INC METRIC LEVEL

	color	organic	sand	clay
0+50 N				
1+00 N				
1+50 N				
2+00 N	grey white	30%	20%	30%
2+50 N	dark grey	30%	20%	40%
3+00 N	dark brown	40%	10%	20%
3+50 N	greyish brown	30%	20%	40%
4+00 N	light grey	20%	30%	40%
4+50 N	grey	30%	20%	40%
5+00 N	dark brown	30%	10%	30%
5+50 N	dark orange	20%	30%	20%
6+00 N	black	40%	10%	20%

46E 0+52 N

Aug 26 46E

0N → 6N



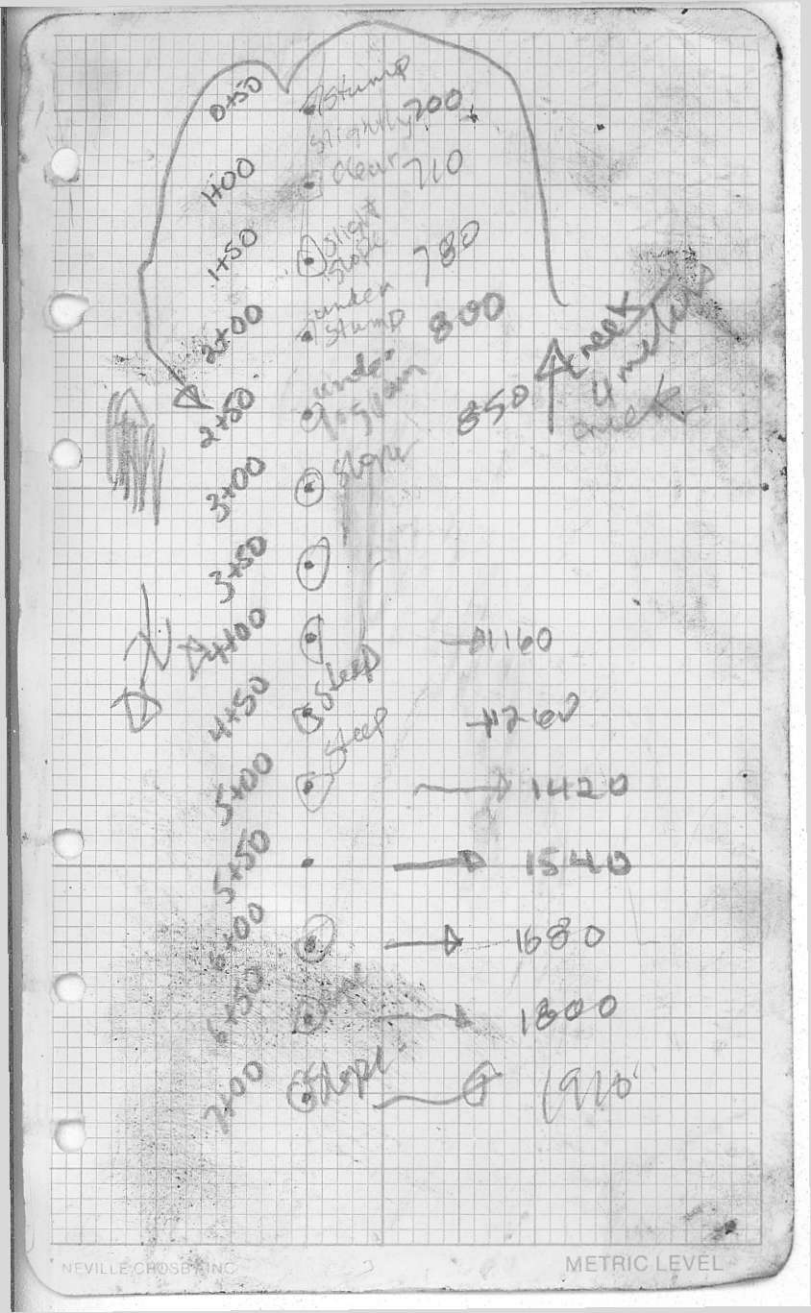
NEVILLE CROSBY INC METRIC LEVEL

Friday August 28 1981

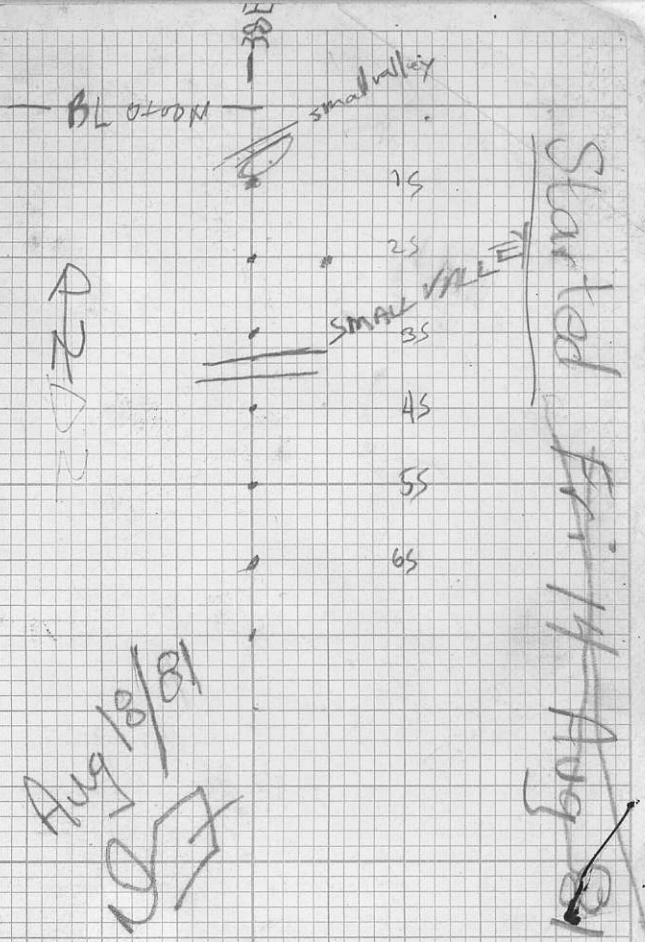
	Color	organic	sand	clay	
0+50N	black	40%	20%	20%	
1+00N	grey	20%	50%	30%	bits gravel
1+50N	grey	20%	30%	30%	
2+00N	light brown	20%	20%	30%	
2+50N	brown	20%	30%	20%	bits gravel
3+00N	brown	30%	20%	10%	
3+50N	black	40%	10%	10%	
4+00N	light brown	20%	20%	30%	
4+50N	light brown	20%	30%	30%	bits gravel
5+00N	brown	40%	10%	20%	
5+50N	brown black	30%	10%	20%	
6+00N	dark brown	30%	20%	20%	bits gravel
6+50N	dark grey	30%	30%	20%	bits gravel
7+00N	dark grey	30%	20%	40%	

13

39E 0+00N to 7N



NEVILLE CROSBY INC. METRIC LEVEL



NEVILLE CROSBY INC.
METRIC LEVEL

South

38 E	% clay	% org	% sand	% gravel	Color
0+50	5-30	25	25	20	Beige GRAY
1+00	5-75	25			
1+50	7-60	5	15	20	Beige
2+00	3-40	25	25	10	GRAY RED Gray
2+50	4-80	20			
3+00	3-50	25	5	20	Beige GRAY
3+50	5-90	10			
4+00	4-60	10	20	10	GR
4+50	12-35	20	25	20	Beige
5+00	4-40	20	20	20	Beige
5+50	3-30	20	20	20	Beige
6+00	5-10	10	65	15	RED TAN
6+50					
7+00					
7+50 S					

Avg. 18/81

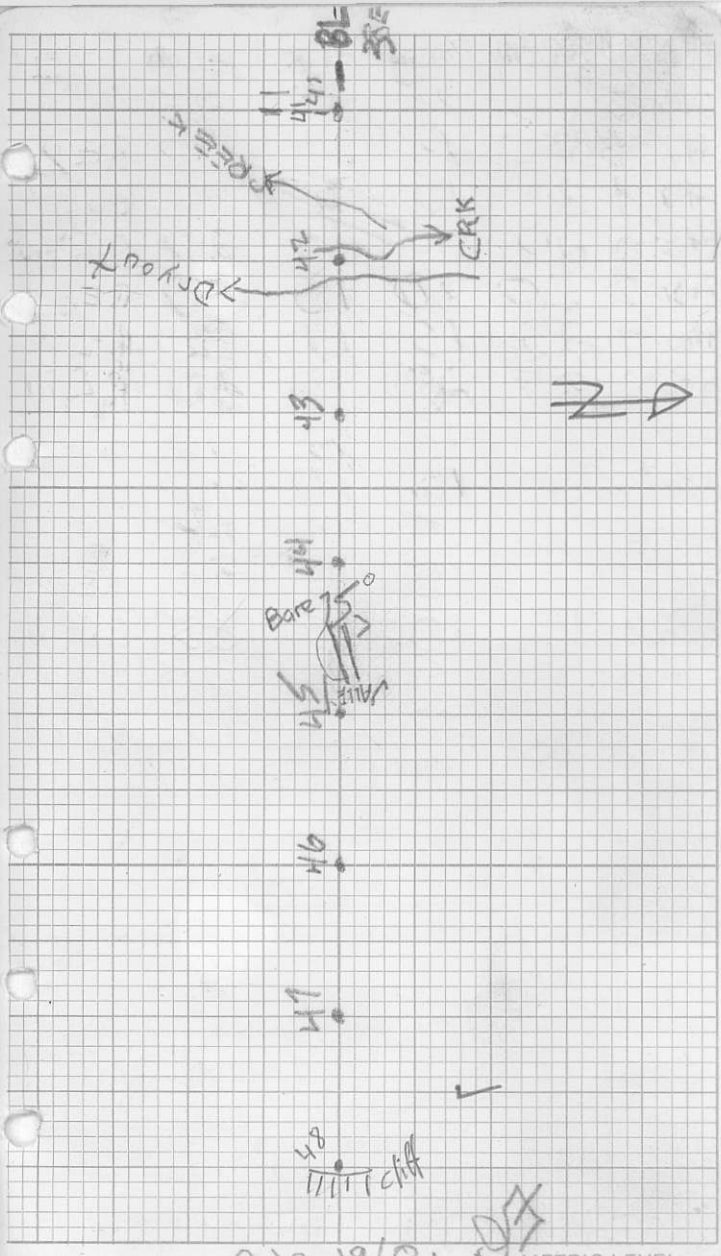
✓

B.H.	% CLAY	% ORG	% GRAVEL	% SAND	COLOUR
42 E		35	5	60	RUST
43 E-H-B	5	5		10	GRAY
44 E-H-B	80	10	5	5	GRAY
45-6	60	5	15	20	GRAY WHITE
46-5	30	10	15	45	GRAY
47-4	20	15	15	50	GRAY
48-5	30	40		30	DARK BROWN

Aug 19/81

There were two samples labeled H-BL-45 at the end of the day and going by the descriptions we relabeled one of them H-BL-46

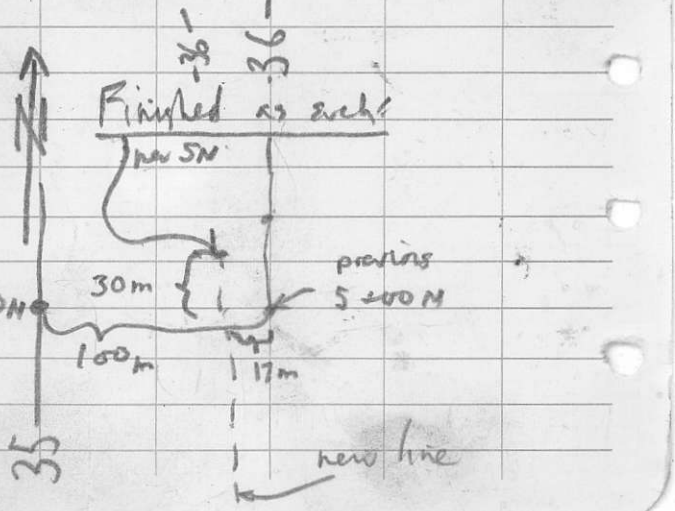
∴ there is a possibility that they could be switched!

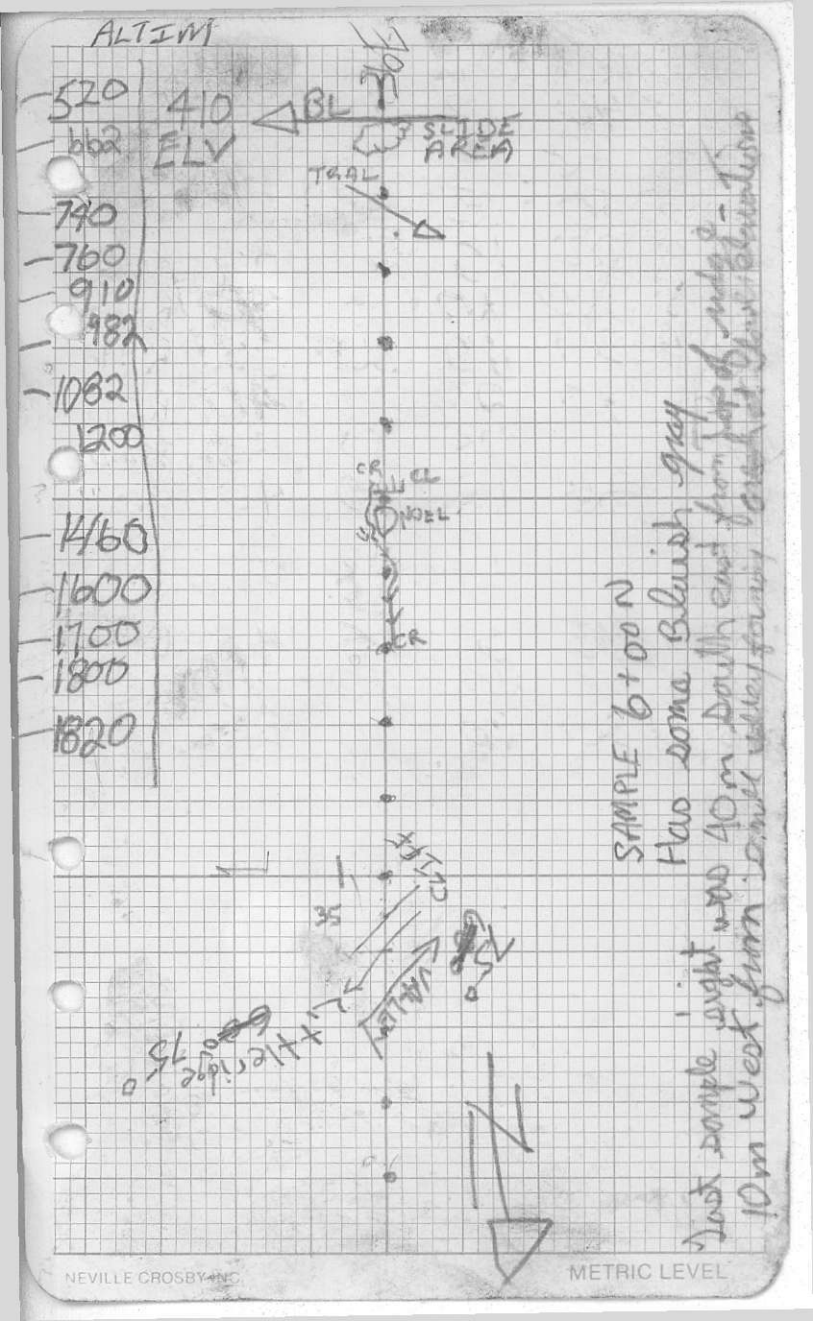


NEVILLE CROSBY INC AUG 19/81 METRIC LEVEL

36E	% CLAY	% Org	% Grav	% SAND	% Colour
0+50-S	25	15	35	25	Baige
1+00-6	20	5	35	30	RED
1+50-4	30	10	30	30	Baige
2+00-5	20	40		40	Brown
2+50-3	20	30	10	40	RED
3+00-4	25	20	25	30	RED
3+50	35	25		40	RED
4+00	25	10	35	30	BAIGE
4+50	30	15	15	40	RED
5+00-6		5	10	25	RED
5+50-7		15	15	70	RED
6+00 S	10	10	15	65	BROWN
6+50 6	5	5	20	70	GRANITE RED
7+00N S	25	30		45	Black

AUG 22/81




ALTIM
520
662
740
760
910
982
1082
1200
1460
1600
1700
1800
1820
410
ELV
BL
SLIDE AREA
TRAL
CR
CL
NOEL
CR
CLIFF
35
VALLEY
75
Little ridge 75
SAMPLE 6+00 N
Has some Bluish gray
Last sample sight was 40m South east from top of ridge - 1
10m West from small valley forming creek at low elevations
NEVILLE CROSBY INC.
METRIC LEVEL

NORTH

STE "		%CLAY	%ORG	%GRAV	%SAND	COLORS
0+50	3	40	10	40	10	Gray
1+00	4	40	15	35	20	Beige
1+50	3	50	5	20	25	Gray
2+00	5	20	15	35	30	RED
2+50	5	20	25		55	RED
3+00	6	20	15	30	35	RED
3+50	7	10	20	30	40	RED
4+00	4		25	50	25	RED
4+50	4	20	10	30	40	Brown
5+00	3	10	10	40	40	RED
5+50	3	10	5	55	30	RED
6+00	4	35	5	15	45	Brown
6+50	3	20	10	40	30	RED
7+00	3	30	10	20	40	RED

AUG 24/81

✓

ALTIM

840

860

860

910

940

1080

1140

1240

1376

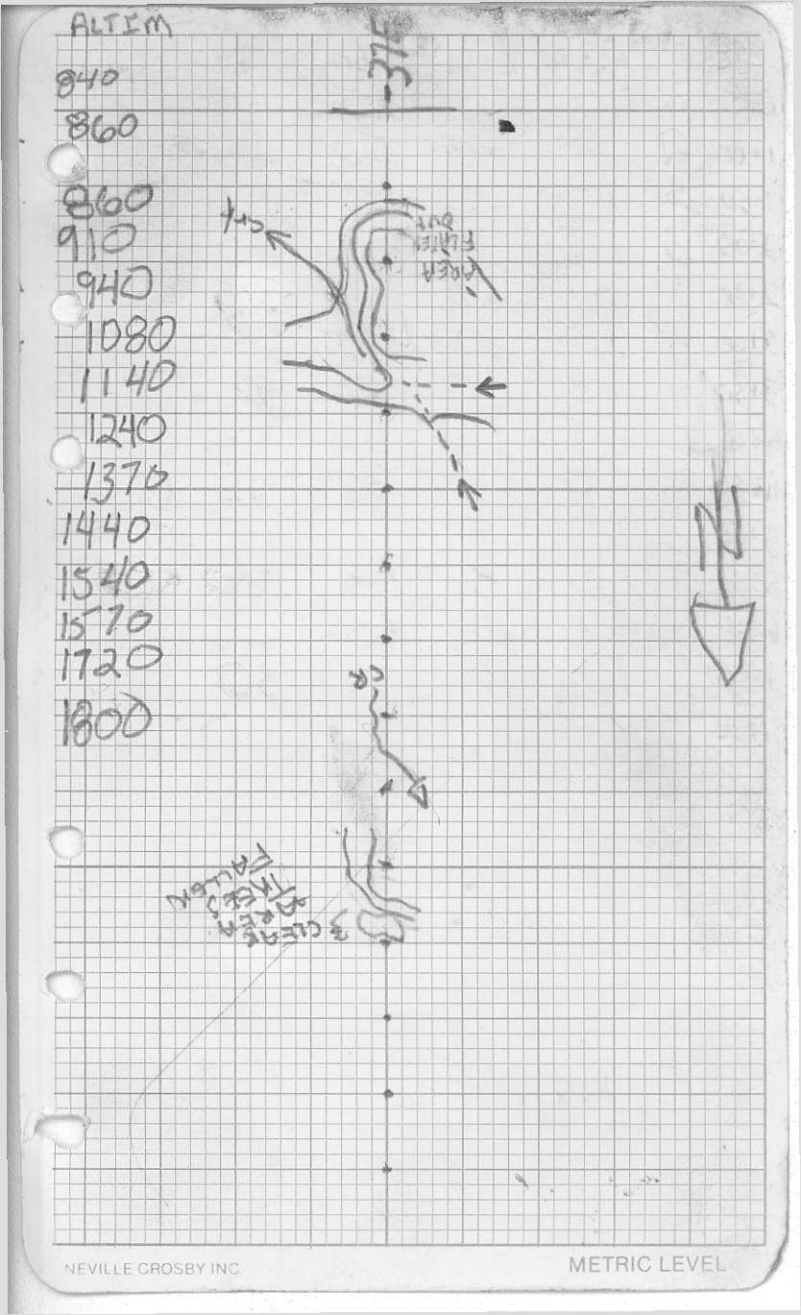
1440

1540

1570

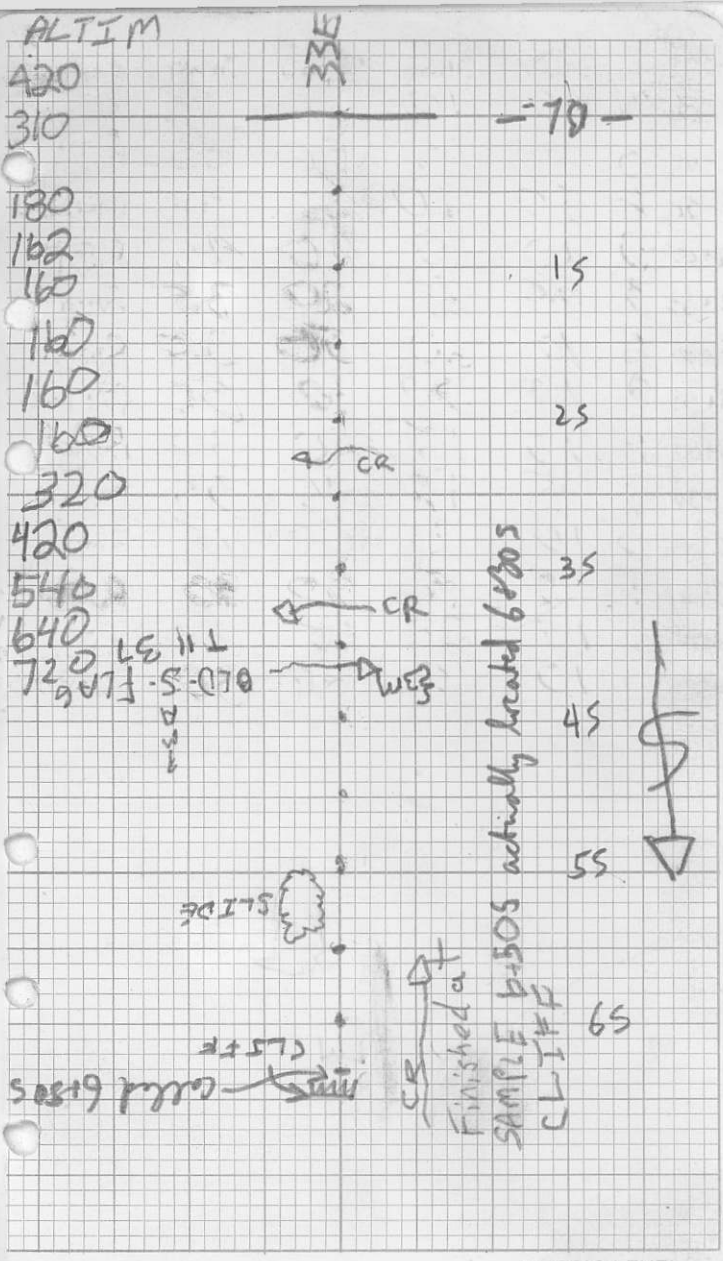
1720

1800



33E	"	% CLAY	% Org	% GRAV	% SAND	colours
0+50	3	10	40	5	45	RED
1+00	2		35	50	15	RED
1+50	3	15	20	55	10	BAIGE
2+00	3	15	5	40	40	RED
2+50	4	20	25	20	35	Baige
3+00	5	10	20	50	20	Rusty
3+50	4	10	30	10	50	Brown
4+00	5	25	15	25	35	Baige
4+50	6	30	20	30	20	Baige
5+00	6	10	5	50	35	RED
5+50	5	15	5	50	30	RED
6+00	4	10	10	55	25	RED
6+50		10	10	50	30	Baige
7+00						

AUG 23/22



NEVILLE CROSBY INC.
METRIC LEVEL

38E "		CLAY	ORG	GRAV	SAND	COLOURS
0+50	4	40	10	20	30	Baige
1+00	5	20	15	30	35	Baige
1+50	6	50	10	10	30	Gray
2+00	12	20	10	25	45	RED Brown
2+50	3	10	5	10	75	RED
3+00	6	10	20	35	35	RED
3+50	8	15	20	35	30	RED
4+00	6	15	15	40	30	Rusty
4+50	7	5	15	45	35	RED
5+00	5	10	25	50	15	Grayish
5+50	10	40	30	20	10	BROWN
6+00		15	20	45	20	RED
6+50		15	15	20	50	CHOCOLATE BROWN
7+00		15	20	25	40	RED

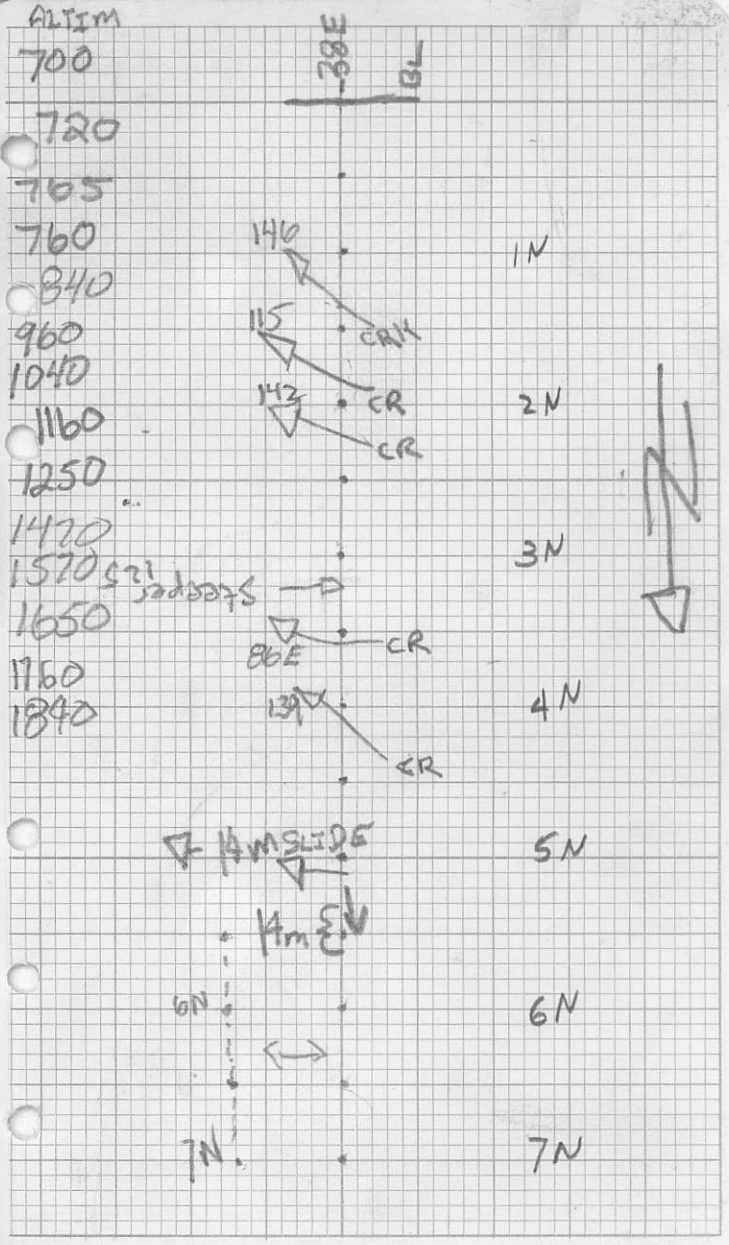
AUG 26/81

603

305 | 18400

1800

1000



NEVILLE CROSBY INC
METRIC LEVEL

HUSTON

Aug 81

T. Sandberg

Aug 18 1981

Huston Inlet

L33, 34, 35 South 600 m
pick up BL at 38E

declination 25°

Ross + Clarence - extend
BL from 38E → E
Bruce + Danny - 38E → S
700 m
Tim + Colin - set up Mag
elev at Colin + Ross's
tent - 530 feet

Early - radio sched
7 - 8 PM
Misty N7100 68
declination - 25°

METRIC FIELD (S)
R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DURABAK WATERPROOF

Aug 18

B+D - L38E 0S → 6S

R+CW - BL 38E → 41E

T+CB - set up mag

Aug 19

Helmut arrives, Dave visits
orders placed

B+D - BL

R+CW 38E - 6S → 7+50S

37E 7+50S → BL

T+CB - 27E 3N → 6+50

28E 6+N → BL

21E BL → 2N

B+5

2

2135

3 | 1168

1 3 2 8 6

305 | 42000

305

1150

915

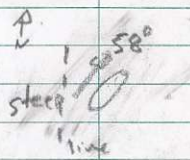
2350

21 23

METRIC
FIELD (S)

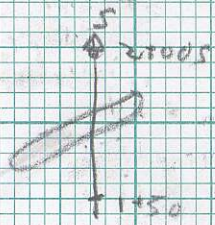
Topo notes
38E - 2S small creek
in EW gulley
3S - leaves sidehill - crosses
ledge
3+50S - sidehill
5+00S - valley / hill
elev 500'
check on return
6+50S - top of shoulder
580'
6+20 - 530' - center of
gulley
7+50S - S side of gulley
540'
chaining towards 37E:
creek - 85 m
elev 440
flows → 340°
37E - distance good
15 m E of creek
parallels creek along E bank
from 6+50S
4+25 - enter broad shallow
valley - 330'

2+50 → 2+00 line jogs → 350°
2+00 returns to 2° W of N
0+75 - starts to climb



R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF

40E - 1+50S adjacent
to swamp



2+75S - small creek EW
in clearing

3+50S - Bare rock + trees
lines starts hill about 3+25

6+00S - top of flat spot below
hill to S small gulley
trending slightly N of E



45m E of ridge NS
75 NS gulley
100 ridge

1+25 gorge 31°

42E 75 - 25m W of chasm
575 - jog to W.
4+75 - enters gulley // main Cr.
4+25 - base of cliff
3+2

METRIC FIELD (S)

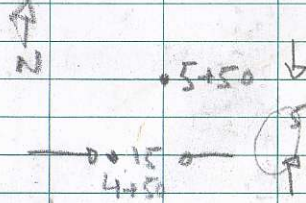
Tom notes
42E

Trail - 2+405
2+00 - E end of small clearing



42E with BL 42+20E
at junction of small cr
from N with main cr.

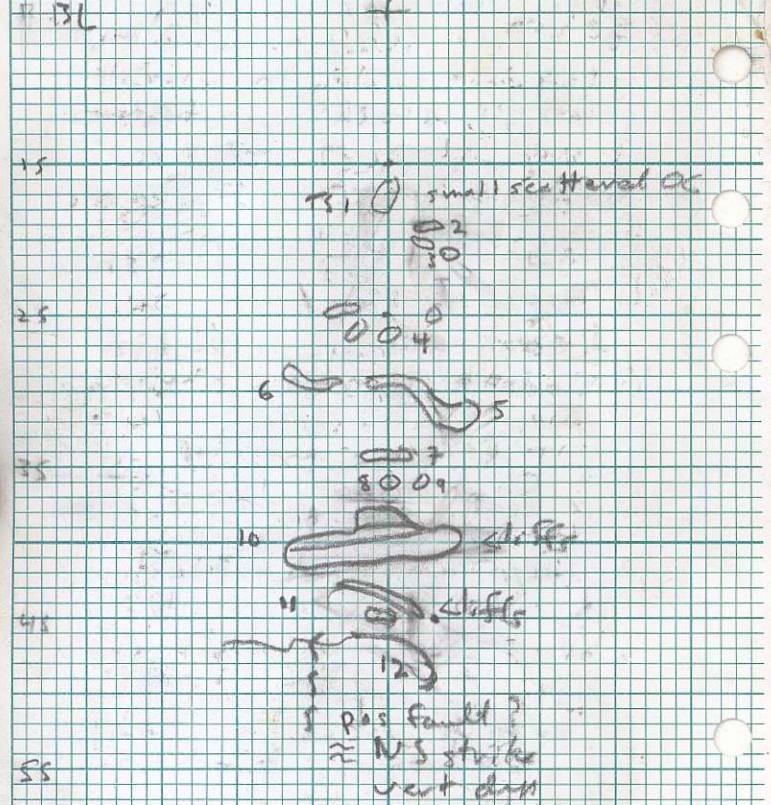
36E - stations are all short
50 m sta's approx 45
uncorrected meters
appear up to 3+50
correct after 3+50



340.
305 | 104000
915
1250
1220
300

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF

47E



Aug 27 TMS TSC
47E 1+30S

TS-1 small scattered OC - gr dte
w weak ep altn of fspars
w ep, clay altn in fractures

TS-2 plag hbl porph basalt
unaltered - relationship to
OC-3 uncertain - prob dyke?

3 - gr. drt - same as 1

4 - same as 1 and 3

5 - gdrt - same

6 - gdrt - prominent subhorizontal
jointing
- exposed along creek bed
some gdrt has only 10-15%
mafics - mod chlor - but
no vis kspar, so retain
gdrt name, rather than
qtz monz

7 gdrt - mafics heavily chloritized
w ep in frac mod
clay weathering to
depth of 3 mm
prominent subhorizontal
jointing

8 - qtz monz? - mod chlor mafics,
10%, feldspars extensively altered
to epidote, ep filling around
qtz and fspar grains

4 - pos basalt dyke? small OC
weathered to rounded clay
surface to depth 0.5 cm
no corners! greenish appearance
below clay

10 - granit? extensive epi alt'n segregated into blebs and stringers. noteworthy in that original texture appears to have been destroyed, possibly by shearing OC forms cliffs - pos block fault? movement appears to have occurred in pant along 2-3 foot thick basalt dyke 060/80NW basalt massive, rem porph, appears little altered

11 - granit, not so totally texturally destroyed, but still plentiful epi alt'n of feldspars, local pinkish staining of qtz and fspr along fractures
3+75 - elev 640'

12 - pretty much the same as previous
possible fault between two large blocks 11 & 12
≈ 120/70N
rather a neat fissure!

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DURABAK WATERPROOF

METRIC
FIELD (S)