

JT

827797

Hoodoo

104B/14

"Rite in the Rain"

WEATHERPROOF
LEVEL BOOK

No. 310

NCI

NEVILLE CROSBY INC.

325 WEST SIXTH AVENUE • VANCOUVER, B.C. V5Y1L1

TELEPHONE 604/USE-4343 TELEX 04-507762

MINING, FORESTRY AND DRAFTING SUPPLIES

July 5/84

Traverse (Reconiter)

Start at Pioneer extension

1618 Apparent trail off to the right
check out later: road good to
this point.

19+86 Dump on left

31+90 Road to left up hill

32+50 old camp with square poles

32+96 Bridge over major creek (Hawthorn?)

33+00 chain popped its numbers

6+00 (33+00) started back at zero again

24+5 (35+5) Road to right

17+50 (50+50) mud hole passable

28+44 (61+44) claim post

legal corner post

No 50992

50993

Donna #

Locator Nibecker

Apr 13 1980

Number of claim units

N 4 50 E 5 W 0

31+34 (64+34) Road to Right (old)
34+08 66+08 Ran out of thread
100 paces old camp
(75 m)

Rope bridge intact

(near chism creek)

3300

3408

75

6783 Kilometers from Pioneer extension

Road twisty so probably straight line
distance less by several hundred meters

DD

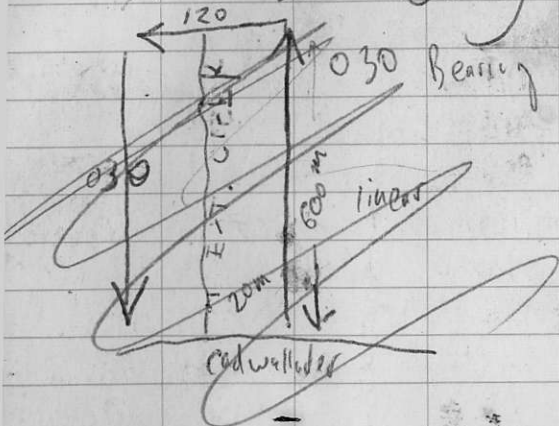
check

61.7

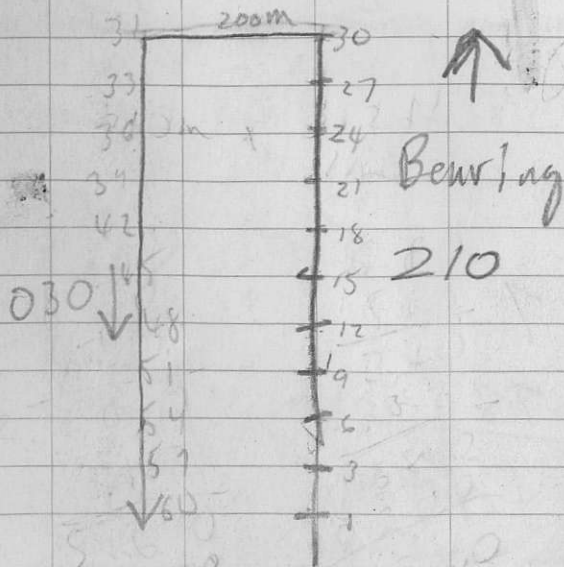
6.78

68.48

Traverse July 11/84



30 meter samples interval
 30 samples up
 ← Bearing 120



Station	elevation	soil colour	dip slope direction	slope degree	remark outcrop etc
NR1	540	Brown	N	25	
NR2	550	No soil	N	25	humus cobble
NR3	560	Dark greyish Brown	N	25	
NR4	570	Brown greyish	N	25	cross road
NR5	585	Brown	N	25	
NR6	590	Brown	N	30	fine sand
NR7	600	Brown	N	30	
NR8	620	Brown greyish	N	30	horse track
NR9	630	Brown	N	30	
NR10	640	Brown	N	25	
NR11	650	"	N	25	
12	660	missed it	N	25	missing
13	670	Brown	N	25	
14	680	↓	N	30	
15	700		N	30	
16	710		N	30	
17	720		N	30	
18	730		N	30	
19	740		N	30	
20	750		N	30	
21	770		N	30	
22	780		N	30	
23	800		N	30	
24	810	N	30		
25	820	N	30		

	elev. m.	Soil colour	Dip direction	degrees slope	
NR 26	830	↓ Brown	N	30	
27	840		N	30	
28	860		N	30	
29	870		N	30	
30	880		N	30	
NR 31	890	Brown	N	35	
32	880	Reddish	N	35	
33	870	Reddish	N	35	
34	860	Brown	N	75	
35	840	↓	N	35	
36	820		N	35	
37	810		N	35	
38	800		N	30	
39	790		↓		30
40	770	Brown			30
41	760	Reddish			30
42	750	Brown			30
43	750				30
44	730	↓		30	
45	720				30
46	710				30
47	700				30
48	680				30

← cross horse trail

	elev m	soil colour	Dip Direct.	degree slope	
49	660	Brown	N	30	
50	650	Reddish	↓	30	
51	660	Brown		30	
52	620	↓	↓	30	
53	610			30	
54	610	Shilly	deep	10	Blackish
55	610	↓	↓	10	
56	600	Brown	↓	15	
57	590	Reddish		20	
58	580	Brown		10	
59	580	↓		5	
60	570	↓	↓	10	

530 elevation at truck

Start Hoodoo

July 24

84

J.T. Sunny w clouds

line	Station	Angle	slope dist	Correct	No 2 dist
1+50w	0+25N	+21°	25	+1.75	23.3
N	0+50N	+24	20	1.9	18.3
		0	6.7	0	6.7
	0+75N	0	25	0	25
	1+00N	0	5	0	5
		0	20	0	20
	1+25N	0	25	0	25
	1+50N	0	12	0	12
		-17°	13.6	-0.6	13
	1+75N	-10°	25.4	0.4	25
	2+00N	0	25	0	25
	2+25N	0	17	0	17
		-15.5	8.3	-0.3	8
	2+50N	0	25	0	25

1+00w	0+25S	0	11	0	11
S		0	14	0	14
	0+50S	-16	26	-1	25
	0+75S	-11	25.5	-0.5	25
	1+00S	0	25	0	25
	1+25S	0	17	0	17
		-17	13.6	-0.6	13
	1+50S	+34	17		14.1
		0	10.9	0	10.9

		angle degree slope	Slope dist	corr	Hor map dist
1+00W	1+75S	23	27.2	-2.2	25
S	2+00S	+21	26.8	-1.8	25
	2+25S	+14	25.8	0.8	25
	2+50S	0	13	0	13
		-22	12.9	-0.9	12.5

1+00W	0+25N	+19	22	-0.2	21.82
N		0	3.2	0	3.2
	0+50N	+19	26.4	-1.4	25
	0+75N	0	25	0	25
	1+00N	0	25	0	25
	1+25N	0	25	0	25
	1+50N	+19	26.5	-1.5	25
	1+75N	0	25	0	25
	2+00N	0	25	0	25
	2+25N	+16	26	-1	25
	2+50N	+23	20	-1.6	18.42
		0	6.6	0	6.6

0+50W	0+25S	0	8	0	8
S		-28	19.25	2.25	17
	0+50S	-33	29.8	4.8	25
	0+75S	0	25	0	25
	1+00S	+19	25	1.4	23.6
		0	1.4	0	1.4

line	Sta	angle	slope dist	Correc	Hor dist
0+50w	1+25S	0	25	0	25
S	1+50S	0	25	0	25
	1+75S	-11	25.5	0.5	25
	2+00S	0	25	0	25
	2+25S	0	8	0	8.2
		-24	18.6	1.6	17.3
	2+50S	-7	25.2	0.2	25

0+50w	0+25N	0	25	0	25
N	0+50N	0	25	0	25
	0+75N	0	25	0	25
	1+00N	-11	25.5	0.5	25
	1+25N	0	25	0	25
	1+50N	+14	25.8	0.8	25
	1+75N	+31	20	1.4	8.62
		0	16.4	0	16.45
	2+00N	0	25	0	25
	2+25N	+27	28	3.0	25
	2+50N	+11	25.5	0.5	25

BL	0+00	0+25N	0	25	0	25
N		0+50N	0	25	0	25
		0+75N	+12	15	-0.3	14.7
			0	10.3	0	10.3
		1+00N	0	25	0	25

line	Sta	angle	dist Slope	Correct	Ho ^z dist
0+00	1+25 N	0	25	0	25
N	1+50 N	+20	20	1.2	18.8
		0	6.2	0	6.2
	1+75 N	0	25	0	25
	2+00 N	+27	28.1	3.1	25
	2+25 N	0	25	0	25
✓	2+50 N	+26	27.8	2.8	25

July 28 84

Sunny ... clouds J.T.

line	station	angle	slope dist	correction	Horz dist
S ↓	0+000	-15	14	0.5	13.5
		-45	16.3	4.9	11.5
	0+50S	20	26.6	1.6	25
	0+75S	0	25	0	25
	1+00S	0	25	0	25
	1+25S	0	25	0	25
	1+50S	-15	25.9	0.9	25
	1+75S	0	25	0	25
	2+00S+12		25.6	0.6	25
	2+25S	0	9	0	9
	-31	17.5	1.5	16.5	
	2+50S+11		25.5	0.5	25
<hr/>					
0+50E	0+25S	-19	26.4	1.4	25
S ↓		-13	15.5	0.4	15.1
		-42	13.3	3.4	9.9
	0+75	0	25	0	25
	1+00	0	25	0	25
	1+25	-34	30.3	5.3	25
	1+50	-22	27.0	2.0	25
	1+75	0	25	0	25
	2+00	0	25	0	25
	2+25	0	25	0	25
	2+50	14.3	25.8	0	25

July 28

line	station	angle	slopedist	correct	Horz dist
0150E	N 0+25	+31	14	2	12.2
N		0	13	0	13
	0+50	0	25	0	25
	0+75	+12	25.6	0.6	25
	1+00	+41	14	3.4	10.6
		0	14.4	0	14.4
	1+25	+24	27.4	2.4	25
	1+50	+10	19		18.7
		0	6.3	0	6.3
	1+75	+18	18	0.4	17.6
		0	7.4	0	7.4
	2+00	0	25	0	25
	2+25	+32	6	0.9	5.1
		0	20.9	0	20.9
	2+50	+42	23		17.12
		0	7.9	0	7.9

1+00E	S 0+25	0	8	0	8
1+ S		-21	18.2	1.2	17
	0+50	0	4	0	4
	0+75	-29	24.0	3.6	2.4
	0+75	-16	26	1.7	25
	1+00	0	25	0	25
	1+25	-23	27.2	2.2	25
	1+50	-11	25.5	0.5	25

28

line	Station	Angle	Slopedist	Correct.	Horz dist.
HOSE	1+75	0	25	0	25
rewalks	2+00	+13	25.7	0.7	25
Joc	2+25	+37	5		4.82
		-11°	20.6	0.4	20.2
of top angles up or down	2+50	0	8	0.1	8
		-30	19.6	2.6	17

N

1+00E	N 0+25	+14	25.8	0.8	25
N	0+50	+18	26.3	1.3	25
	0+75	+18.5	26.4	1.4	25
	1+00	+39	30	6.9	23.32
	1	0	1.7	0	1.73
	1+25	0	25	0	25
	1+50	0	25	0	25
	1+75	+13	25.7	0.7	25
	2+00	+17	21	0.9	20.13
		0	4.9	0	4.91
	2+25	15	16		15.52
		0	9.5	0	9.55
N	2+50	0	25	0	25

July 29 Rain + fog

line	Station	Angle	Slopedist	Correct	Horz Dist
1+50 E	0+255	-16	26	1.0	25
	0+505	-9/0	25	0	25
	0+75	-10/0	25	0	25
	1+00	79	26.4	1.4	25
	1+25	-9/0	25	0	25
	1+50	0	25	0	25
	1+75	-3/0	25	0	25
	2+00	-7/0	25	0	25
	2+25	-14	25.8	0.8	25
	2+50	-4/0	25	0	25

2+00 E	0+255	+12	25.6	0.6	25
<u>(2+25)</u>	0+50	+25	19	1.8	17.2
		0	5	0	5
		-10	2.8	0	2.8
	0+75	-15	25.9	0.9	25
	1+00	0	4	0	4.3
		-39.5	27.2	6.2	2.15
	1+25	-5/0	25	0	25
	1+50	+14	25.8	0.8	25
	1+75	0	25	0	25
	2+00	+20	26.6	1.6	25
	2+25	+4/0	25	0	25
	2+50	-30	28.9	3.9	25

check

line	Sta	Angle	slope dist	cross	Ho ² dist
2+50 E	0+255	+21	16	1.1	24.92
		+6/0	10.1	0	10.1
	0+50	+13.5	25.7	0.7	25
	0+75	+10/0	6.5	0	6.5
		-30	21.4	2.9	18.55
	1+00	-6/0	25	0	25
	1+25	-14	25.8	0.8	25
	1+50	+8/0	25	0	25
	1+75	+22.5	23	1.8	21.0
		0	3.8	0	3.8
	2+00	+15.5	20	0.6	19.42
		0	5.6	0	5.6
	2+25	-7/0	25	0	25
	2+50	-24	19	1.6	17.47
Cliff		-80-90	3.8?		7.65

line	Sta	Revert Sun Angle	mixed slope dist	correct	HoZ dist.
2+00E	0+25S	1/0	25	0	25
	0+50	+11	25.5	0.15	25
	0+75	-8	12	0.1	11.9
		+5	13.6	0.5	13.1
	1+00	-16	10	0.4	9.6
		-31.5	18.0	3.2	15.4
	1+25	-12	25.6	0.16	25
	1+50	+13	25.7	0.7	25
	1+75	+7	24	0.2	23.8
		0	1.2	0	1.2
	2+00	-11	25.5	0.5	25
	2+25	+17.5	22	1.0	21.0
		0	4	0	4.0
	2+50	0	11	0	11
-24		15.3	1.3	14	
2+00E	0+25N	+12.5	25.6	1.6	25
	0+50	+29	28.6	3.6	25
	0+75	+37	31.3	6.3	25
	1+00	+41	33.1	8.1	25
	1+25	+66	6.1	3.6	2.4
		+39	12		9.3
		+9	13.5		13.3
	1+50	+6/0	25	0	25
	1+75	+11	26.1		25
	2+00	+12	25.6		25

N

200 E	2425	-4	25.1	0.1	25
	2450	+8.5	25.3	0.3	25

15.93 0425N

15.02 0450N

25.00 0475N

8.86 048515

64.81 m OVER 35.5 m

37.2° Average slope

July 30 cloudy w. Rain

line	Station	Angle	Slope dist	Correct	Horiz dist
1+50E N ↓	0+25N	+32.5	29.6	4.6	25
	0+50N	+31	29.2	4.2	25
	0+75	+45	35.4	10.4	25
	1+00N	+43	13	4.5	9.5
		+14	15.9	0.4	15.5
	1+25N	0	25	0	25
	1+50N	+17	12	0.5	11.5
		-6/0	13.5	0	13.5
	1+75N	+21	28.8	1.8	25
	2+00N	+5.5	25.1	0.1	25
2+25N	+2/0	25	0	25	
2+50N	+1/0	25	0	25	

3+00E S ↓	0+25S	+6	25.1	0.1	25
	0+50	-2.5/0	25	0	25
	0+75	-2/0	25	0	25
	1+00	0	3	0	3
		-1/0	22.9	0.9	22
	1+25	+2/0	25	0	25
	1+50	+15	25.2	0.2	25
	1+75	-7	25.7	0.2	25
	2+00	-14.5	25.8	0.8	25
	2+25S	-11.5	25.5	0.5	25

end line ; cliff

line	Base station	line angle	Darter slope dist	hor. dist
BL 00	W			
	25E	0	25	25
	50	0	25	25
	75	-30	6.9	67
	75	-15	19.7	185
	100	0	10	102
	100	-26	17	155
	125	-20	26.6	25
	150	-37	31.3	25
	175	-22	27	25
	200	-11	25.5	25
	225	-12	25.6	25
	250	-18	26.3	25
	275	-19	26.4	25
	300	-16	26	25
	325	-12	25.6	25
	350	-8	25.2	25
	375	-10	25	25

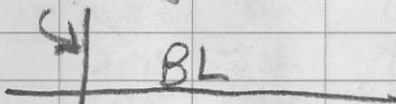
elevation at BL 00 1238

line	Station W	Angle	Slope dist	Horz dist
BE	25	-3	25	25
	50	+5	13	12.95
	50	0	12.05	12.05
	75	-12	25.6	25
	100	-19	26.4	25
	125	-8	25.2	25
	150	-5	25.1	25
	175	+3	28.9	25
	200	-2	25	25
	225	-4	12.5	9.6
	225	-16	16	15.2
	250	-21	26.8	25

line 3100W

(cross) wire at 250 + 203

3100 ~~line~~



25

50

75

100

125

150

175

200

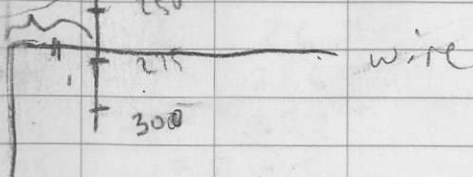
225

250

275

300

at 17° → 50W



Hoodoo west

Aug 10

D 83

HOP 7

APP

25 M pri

at 31° to

R 83

HO B 3

HWA 3



Score Bugs 2

Joel 300



Hoodoo Discovery Gossan Aug 14/88
 Magnetometer Survey Geometric C 816 Proton mag.

Station	Reading	Time	Comments
2 BL 00			
2+50W	57527	9:46AM	27 15 12
2+25W	57410	9:50	
2+00W	57378	9:51	
1+75W	57676	9:54	$\Delta t = 43 \text{ min}$
1+50W	57376	9:56	$\Delta x = 128$
1+25W	57378	9:57	
1+00W	57353	9:58	
0+75W	57377	9:59	
0+50W	57386	10:00	
0+25W	57470	10:01	
0+00BL	57402	10:02	
0+25E	57405	10:02	
0+50E	57398	10:04	
0+75E	57422	10:05	
1+00E	57421	10:06	
1+25E	57415	10:07	
1+50E	57404	10:09	
1+75E	57481	10:09	
2+00E	57418	10:10	
2+25E	57437	10:11	
2+50E	57380	10:12	
2+75E	57343	10:13	
3+00E	57358	10:14	
3+25E	57408	10:14	
3+50E	57244	10:15	

14
29
43

Reading time

Return to BLOO

57515

10:29

$$\Delta t = 43 \text{ min}$$

$$\Delta \delta = -12$$

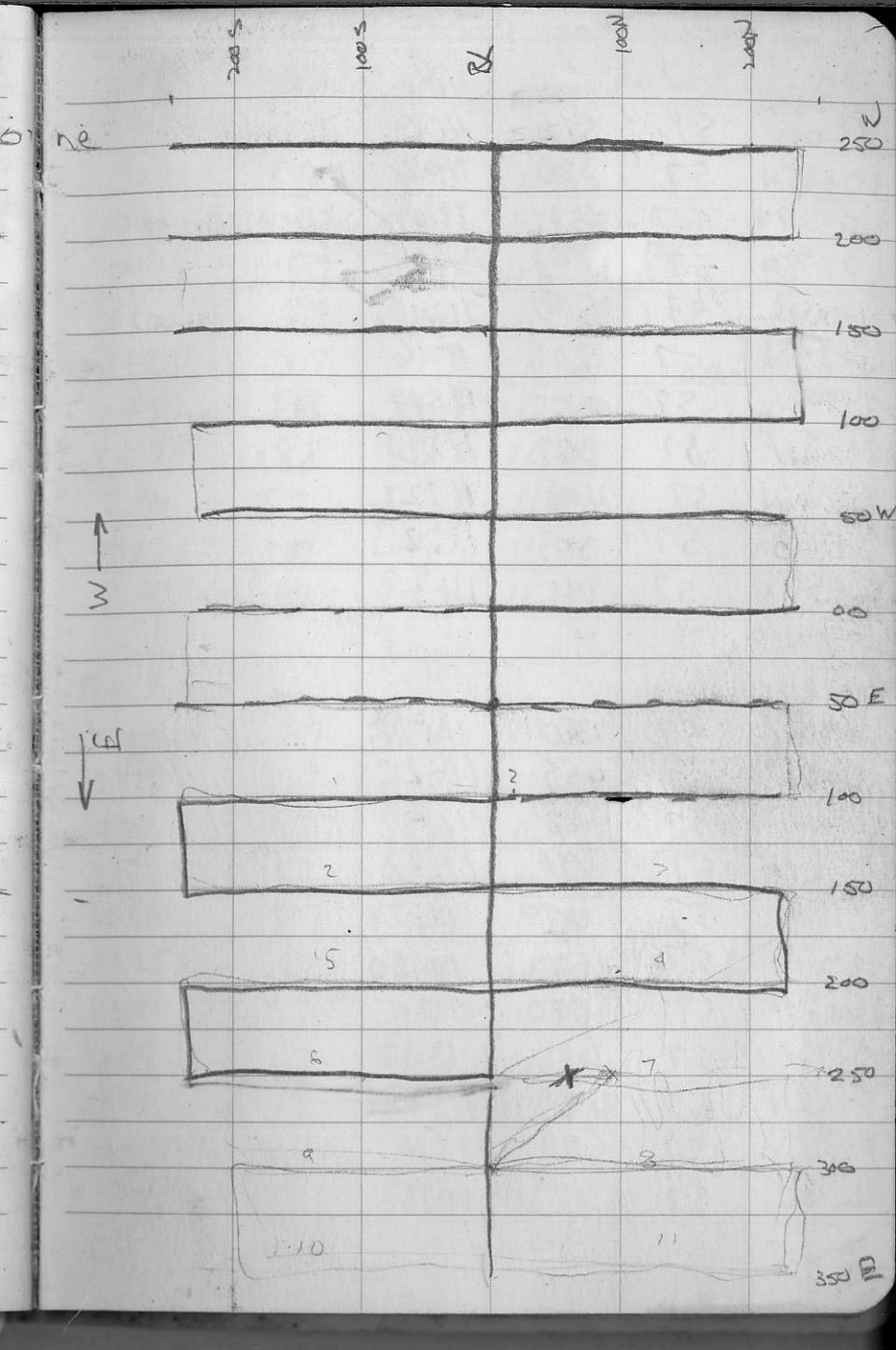
Magnetometer Survey

Hoodoo Claims - Discovery Zone

STN.	Reading	Time	Comments
Line 2+50W	-30		
B100	57 497	10:52	-8
0+25S	57 352	10:53	
0+50S	57 327	10:54	
0+75S	57 345	10:55	
1+00S	57 431	10:56	
1+25S	57 449	10:56	
1+50	57 403	10:57	
1+75	57 392	10:58	
2+00	57 478	10:59	
2+25	57 361	10:59	
2+50	57 355	11:00	
B100	57 510	11:06	+6
	-17		

$$\Delta t = 14 \text{ min}$$

$$\Delta x = 13$$



Discovery May Survey Cont

Stn. line 2+50W	Reading	Time	Comments
BL 00	57 510	11:06	$\frac{23}{-6}$ 27
0+25N	57 380	11:07	
0+50N	57 651	11:09	Serpentinized
0+75N	57 728	11:12	
1+00N	57 570	11:15	
1+25N	57 605	11:16	
1+50N	57 655	11:19	Nt = 29 mm
1+75N	57 362	11:21	bx = 12
2+00 N	57 408	11:22	
2+25N	57 385	11:23	
2+50N	57 391	11:23	

line 2+00W

2+50N	57 380	11:25	
2+25N	57 455	11:26	
2+00N	57 468	11:27	
1+75N	57 391	11:28	
1+50N	57 470	11:29	
1+25N	57 522	11:30	
1+00 N	57 620	11:30	
0+75N	57 686	11:32	
0+50N	57 483	11:33	
0+25N	57 694	11:34	
BL 00	57 377	11:35	

Sta	Reading	s	Time	Comments
line 2+00 ^{MBLoo}	57	373	11:35	
0+25 S	57	495	11:36	
0+50 S	57	391	11:37	
0+75 S	57	394	11:38	
1+00 S	57	389	11:38	
1+25 S	57	413	11:39	$\Delta t = 29 \text{ mm}$
1+50 S	57	425	11:40	$\Delta s = 11$
1+75 S	57	458	11:41	
2+00 S	57	439	11:41	
2+25 S	57	453	11:42	
2+50 S	57	612	11:43	

line 1+50w

2+50 S	57	484	11:44	
2+25 S	57	517	11:45	
2+00 S	57	554	11:47	
1+75 S	57	425	11:47	
1+50 S	57	384	11:48	
1+25 S	57	390	11:49	
1+00 S	57	364	11:49	
0+75 S	57	366	11:50	
0+50 S	57	367	11:51	
0+25 S	57	359	11:53	
0+00 BL	57	370	11:54	

Stn	Reading	time	Comments
line 1+50W			
BL 0+00	57	347	12:58 ⁻²
0+25 N	57	367	1:01
0+50 N	57	607	1:03
0+75 N	57	835	1:04
1+00 N	57	492	1:05
1+25 N	57	501	1:07
1+50 N	57	441	1:08
1+75 N	57	481	1:09
2+00 N	57	492	1:09
2+25 N	57	413	1:10
2+50 N	57	420	1:11
line 1+00W			
2+50 N	57	535	1:16
2+25 N	57	656	1:18
2+00 N	57	544	1:19
1+75 N	57	553	1:19
1+50 N	57	497	1:20
1+25 N	57	403	1:21
1+00 N	57	421	1:21
0+75 N	57	944	1:22
0+50 N	58	086	1:23
0+25 N	57	377	1:24
BL 001	57	383	1:25

$\Delta t = 27 \text{ min}$
 $\Delta x = 59$

x20

Sta	Reading	Time	Comments
line 1100W			
BL00	57 383 ⁺³⁰	1:25	
0+25 S	57 375	1:26	
0+50 S	57 373	1:27	
0+75 S	57 391	1:28	
1+00 S	57 422	1:28	$\Delta L = 23 \text{ mm}$
1+25 S	57 419	1:29	$\Delta X = 9 \text{ Y}$
1+50 S	57 440	1:31	
1+75 S	57 402	1:33	
2+00 S	57 565	1:34	
2+25 S	57 488	1:35	
2+50 S	57 573	1:36	
line 0150W	57 333	1:38	
2+50 S	57 333	1:38	
2+25 S	57 372	1:39	
2+00 S	57 393	1:39	
1+75 S	57 398	1:40	
1+50 S	57 455	1:41	
1+25 S	57 441	1:41	
1+00 S	57 440	1:42	
0+75 S	57 418	1:43	
0+50 S	57 388	1:43	
0+25 S	57 398	1:46	
BL00	57 425 ⁺³⁹	1:48	

Sta	Reading		Time	Comments
line 0+50W		+39		
0+25N	57	392	1:50	
0+50N	57	570	1:51	
0+75N	57	708	1:52	
1+00N	57	362	1:52	
1+25N	57	472	1:53	
1+50N	57	480	1:54	
1+75N	57	528	1:55	
2+00N	57	489	1:56	
2+25N	57	514	1:58	$\Delta t = 18 \text{ min}$
2+50N	57	538	1:58	$\Delta x = 58$

line 0+00

2+50N	57	540	1:59	
2+25N	57	490	2:01	
2+00N	57	512	2:02	
1+75N	57	539	2:03	
1+50N	57	579	2:03	
1+25N	57	528	2:04	
1+00N	57	535	2:05	
0+75N	57	480	2:06	
0+50N	57	482	2:07	
0+25N	57	444	2:07	
BL00	57	446	2:08	

+44

S-n	Reading	Time	Comments
line 0100		+92	
BLOO	57	444	2:28
0125 S	57	447	2:30
0150 S	57	442	2:31
0175 S	57	455	2:31
1100 S	57	516	2:32
1125 S	57	443	2:32
1150 S	57	407	2:33
1175 S	57	416	2:34
2100 S	57	384	2:35
2125 S	57	383	2:36
2150 S	57	221	2:37
line 0150E	57		
2150 S	57	386	2:40
2125 S	57	392	2:41 -
2100 S	57	394	2:41
1175 S	57	409	2:42
1150 S	57	413	2:44
1125 S	57	407	2:45
1100 S	57	434	2:48
0175 S	57	434	2:49
0150 S	57	449	2:50
0125 S	57	488	2:51
BLOO	57	455	2:53
		+59	

$\Delta t = 25 \text{ min}$

$\Delta x = 158$

Station	Reading	Time	Comment
line 0+50E			
BL 00	57 455 ^{x51}	2:53	
0+25N	57 444	2:54	
0+50N	57 462	2:55	
0+75N	57 486	2:56	
1+00N	57 706	2:57	
1+25N	57 664	2:58	
1+50N	57 667	2:59	$\Delta t = 22 \text{ mm}$
1+75N	57 547	3:01	$\Delta x = 25$
2+00N	57 528	3:02	
2+25N	57 503	3:03	
2+50N	57 501	3:04	
line 1+00E			
2+50N	57 478	3:06	
2+25N	57 458	3:07	
2+00N	57 473	3:08	
1+75N	57 737	3:09	
1+50N	57 804	3:09	
1+25N	57 652	3:10	
1+00N	57 845	3:11	
0+75N	57 548	3:12	
0+50N	57 454	3:13	
0+25N	57 457	3:13	
BL 00	57 453 ^{x32}	3:15	

Aug. 19/84 Mag Survey Hoodoo mtn.

(20099)

Discovery Zone
Comment

Station	Reading		time	
line 1100E 0700BL	57	377	10:12	(-44)
0725 S	57	379	10:13	$\frac{377}{379}$ 4
0750 S	57	385	10:15	
0775 S	57	385	10:16	
1700 S	57	377	10:17	
1725 S	57	367	10:18	
1750 S	57	365	10:19	
1775 S	57	343	10:20	
2700 S	57	350	10:20	19
2725 S	57	350	10:21	
2750 S	57	338	10:22	$\Delta t = 9 \text{ min}$

line 1150 E

2750 S	57	399	10:24	
2725 S	57	363	10:24	
2700 S	57	356	10:25	
2775 S	57	360	10:26	
1750	57	371	10:27	
1725	57	342	10:27	
1700	57	360	10:28	
0775	57	331	10:29	
0750	57	357	10:30	$\frac{41}{16}$ 28
0725	57	392	10:31	
0700 BL	57	416	10:31	(-28)

Station	Reading	time	Comment
line 1+50E			
0+00 BL			
0+25 N	57 375	10:34	
0+50 N	57 385	10:36	
0+75 N	57 664	10:40	
1+00 N	57 678	10:42	
1+25	57 616	10:43	
1+50	57 273	10:44	
1+75	51 648	10:45	
2+00	57 419	10:46	$\Delta t = 26 \text{ min}$
2+25	57 445	10:47	
2+50	57 475	10:48	

line 2+00E

2+50 N	57 405	10:49	
2+25 N	402	10:49	
2+00 N	398	10:50	
1+75 N	323	10:51	
1+50	343	10:51	
1+25	540	10:52	
1+00	414	10:53	
0+75	616	10:55	
0+50	502	10:57	
0+25	455	10:59	
0+00 BL	397	11:00	(20)

Station	Reading	Time	Comment
Line 240E			
0400 BL S	57		
0725 S	366	11:02	
0750 S	381	11:03	
0775 S	381	11:05	
1400	366	11:06	
1425	400	11:07	
1450	353	11:09	
1475	414	11:09	
2100	449	11:10	DE = 20 min
2125	406	11:11	
2150	371	11:12	

Line 240E

2150 S	No Data		
2125 S	57	437	11:14
2100 S	57	343	11:15
1475 S	57	348	11:15
1450		360	11:16
1425		425	11:17
1400		370	11:18
0775		380	11:19
0750		375	11:20
0725		408	11:21
0400 BL		415	11:23

(425)

Station	Reading	Time	Comments
line 2150E			
0+00 BLN	57	410	11:51 (+30)
0+25 N		424	11:52
0+50 N		654	11:54 Bear Moved Picket
0+75 N		451	11:58
1+00			
1+25		446	1:38
1+50		481	1:55
1+75		517	2:03
2+00		525	2:11
2+25		550	2:14
2+50		729	2:18
		550	2:24

Tie in with
0+50E 2+50N

Aug
19/84

Station	Reading	Time	Comments
line 3100E			
2+50 N	620	12:20	
2+25 N	785	12:18	
2+00 N	582	12:16	
1+75 N	474	12:12	
1+50	454	12:10	
1+25	400	12:08	
1+00	386	12:06	
0+75	347	12:05	
0+50	387	12:03	
0+25	360	12:02	
0+00 BL	357	12:01	(-1)

Aug 17/84 Sampling Trenches
North zone (Hoodless)

Trench number

8

103
73
30
17

104 - 109

9

(110) (111)

110 - 111

10

112 - 119

120 - 121

grals

Station	Reading	time	comments
line 300E			
0+00 BL	57 365	12:53	58 60 7
0+25 S	57 383	12:52	(-7)
0+50 S	57 363	12:52	
0+75 S	57 377	12:51	
1+00 S	57 383	12:50	
1+25	57 389	12:49	
1+50	57 371	12:48	
1+75	338	12:48	
2+00	337	12:46	
2+25	345	12:45	
2+50			

MAG SURVEY CONT.
 HOODOO CLAIMS - DISCOVERY ZONE

STN	READING	TIME
LINE 3+50E		
1+75N	57 306	12:24
1+50	57 485	12:25
1+25	57 410	12:26
1+00	57 407	12:27
0+75	57 404	12:28
0+50	57 522	12:29
0+25	57 433	12:29
BL 00	57 347	12:31 (+3)
0+25S	57 360	12:31
0+50	57 373	12:32
0+75	57 376	12:33
1+00	57 348	12:34
1+25	57 345	12:34
1+50	57 346	12:35
1+75	57 338	12:36
2+00	57 310	12:37
2+25	57 327	12:38
2+50	57 325	12:40

Aug 19/84

Station	Angle	Slope dist	Horz dist	corr/ 100°
line 2+50E	(from 3+50E)			
1+25N			25	
1+50N	+16°		25m	
1+75N	+20°		25	
2+00N	+24°		25	109.5
2+25N	+9.5°		25	
2+50N	+11°		25	

1+25N

25

1+50N +16°

25m

1+75N +20°

25

2+00N +24°

25

109.5

2+25N +9.5°

25

2+50N +11°

25

106.5

2150 E 2100 E

250 N
225 N
200 N
175 N
150
125
100



6° at slope dist
50:3
from
225 N on 2100 E
to 2125 N on 2150 E

← 1750

BL 115

MAGNETOMETER SURVEY

HOODS CLAIMS - NORTH ZONE

STN	READING	TIME	ANGLE
Bl 00			
3+00W	57 518	10:42	
2+75W	57 511	10:48	
2+50W	57 551	10:45	
2+00W	57 477	10:46	
1+50W	57 548	10:48	
1+00W	57 527	10:49	
0+50W	57 536	10:50	
0+00Bl	57 560	10:51	
0+50E	57 532	10:52	
1+00E	57 640	10:54	
1+50E	57 154	10:55	
2+00E	57 87	10:57	
3+00W	57 518	11:09	} BL lines
3+00W	543	4:14	

line 1+50E goes only 75m North
 line 2+00 goes only from 50m South
 to 300m South
 line 1+00 goes to 100 North

GEOMETRICS G-816

August 21, 1984

PROTON MAG.

PARTLY SUNNY

STN	READING	TIME	ANGLE	
LINE 3100W				
B100	57	499	12:19	+20 -18
0+25 S		514	12:22	+4.6 +4.6
50		519	12:23	+8 +3.48
75		463	12:26	-15 -6.47
1+00		545	12:29	+23 +9.77
25		528	12:30	+9 +3.91
50		526	12:32	+5 +2.18
75		495	12:33	+17 +7.31
2+00		500	12:34	+4 +1.74
25		486	12:36	-21 -8.96
50		486	12:37	-16 -6.89
75		511	12:38	-8 -3.48
3+00		443	12:39	-15 -6.47
Bh00		518	12:45	

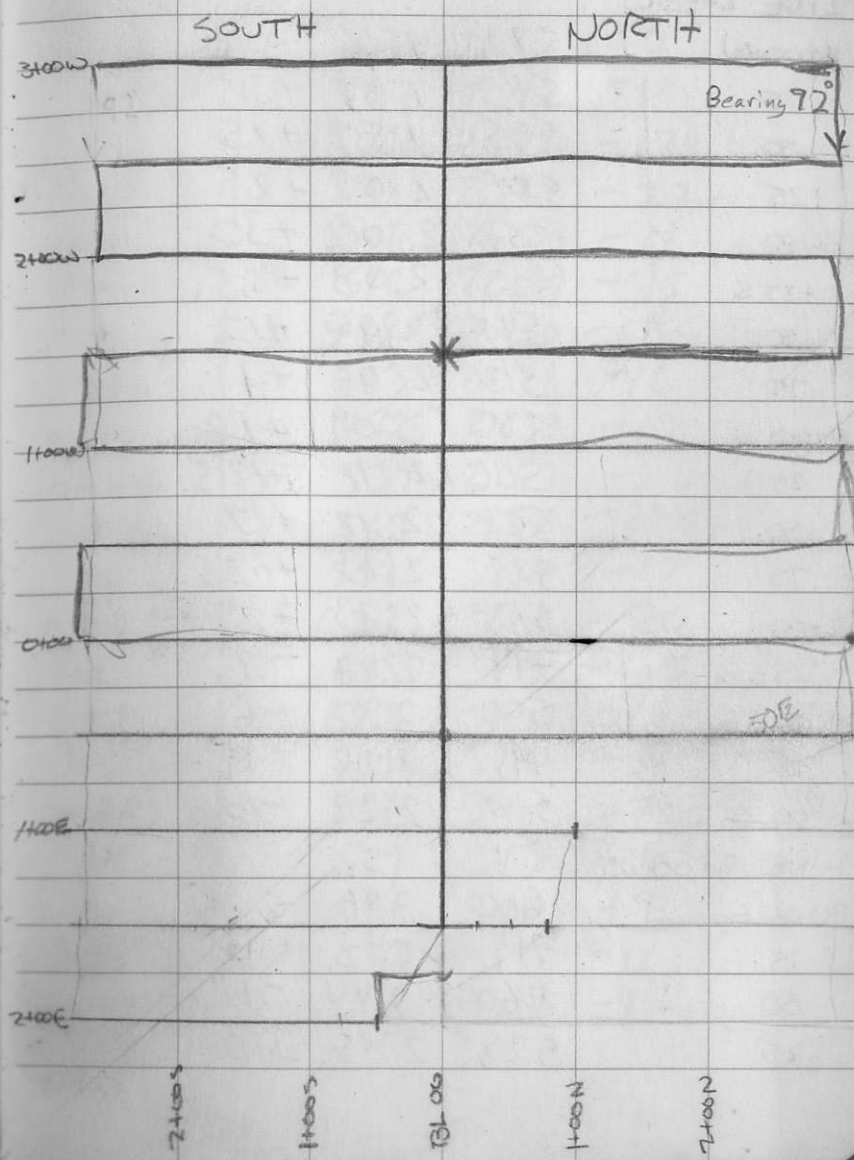
↑ Tie in

MAGNETOMETER SURVEY - NORTH ZONE

STN	READING	TIME	ANGLE
LINE 3+00 W			
BH00	57	496	12:53
0+25 N		506	12:54 -27 -11.35
50		510	12:56 -18 -7.73
75		569	12:57 -17 -7.31
1+00		534	12:58 -8 -3.48
25		567	12:59 -8 -3.48
50		553	1:00 +4 +1.74
75		677	1:01 -19 -8.14
2+00		624	1:03 +1 +.44
25		494	1:06 +8 +3.48
50		446	1:08 +4 +1.74
75		417	1:10 -1 -.44
3+00 N		365	1:12 -17 -7.31

LINE 2+50 W	BEARING	195
3+00 N	565	1:32
75	511	1:42 +1.5
50	505	1:46 +1.6
25	521	1:46 +3
2+00	518	1:49 +14 -11.5 at 17.5M at 9.4M
75	535	1:53 +14
50	612	1:53 -6
25	573	1:55 +15

DIAGRAM FOR MAG. SURVEY NORTH ZONE



MAG. SURVEY - NORTH ZONE

STN	READINGS	TIME	ANGLE	
LINE 2+50W				
1+00N	57	577	1:56	+22
75		555	1:57	+3.5
50		555	1:59	+15
25		505	2:02	+25
BL 00		558	2:02	+30
0+25S		523	2:03	+3.5
50		544	2:06	+12
75		512	2:06	+1
1+00		530	2:09	+12
25		506	2:11	+12.5
50		528	2:12	+17
75		525	2:13	+19.5
2+00		513	2:23	+38 -36
25		494	2:24	-7
50		500	2:25	-6
75		495	2:26	-11
3+00 S		510	2:28	-10
LINE 2+00W				
3+00S		606	2:41	
75		719	2:43	+16
50		460	2:44	-1
25		528	2:45	+10

at 11m
at 11.4
at 5.6

29.6

STN	READING	TIME	ANGLE
LINE 2+00W			
2+00 S	57	562	2:45 +6
75		501	2:46 -16
50		506	2:47 -17
25		508	2:48 -22
1+00		501	2:49 -12
75		516	2:49 -6.5
50		598	2:50 -6.5
25 S		523	2:52 -18
BL 00		472	2:53 -19
0+25 N		539	2:57 -22
50		563	2:58 -22.5
75		592	3:00 -17
1+00		627	3:05 -20
25		625	3:06 -0.5
50		585	3:07 -16
75		542	3:08 -6
2+00		536	3:11 +7
25		529	3:13 -6
50		531	3:14 +9
75		537	3:17 -18
3+00 N		555	3:17 -8

MAG SURVEY - NORTH ZONE

STN	READING	TIME	ANGLE
LINE 1+50W		Bearing 195°	
3+00N	57	579	3:37
75	↓	537	3:37 -6
50		520	3:43 +5
25		496	3:44 -12.5
2+00		514	3:45 +1
75		502	3:46 +3.5
50		561	3:47 +5.5
25		638	3:47 +5.5
1+00		561	3:48 +12
75		557	3:51 +25.5
50		536	3:53 +20
25N	↓	588	3:56 +32.5
BL 00		577	3:58 +14

Aug 23/84

line 1+50W

BL	57	533	9:52		
0+25S	↓	492	9:55	+22.5	
0+50		489	10:04	+27	
0+75		480	10:09	+14 +3	at 17m at 10.9m
1+00		479	10:11	+13.5	
1+25		482	10:12	+17	
1+50		482	10:13	+13.5	
1+75		↓	512	10:15	+20.5

STN	READING		TIME	ANGLE	
LINE 1+50W					+9
2+00S	57	516	10:17	-17.5	+23.5m -2.5m
25		490	10:20	-24.5	
50		268	10:21	+6	
75		766	10:23	+3	
3+00S		508	10:25	0	
LINE 1+00W					
3+00S	57	474	10:34		
75		537	10:36	+11	
50		520	10:42	+22 +7	for 18.1m for 7m
25		490	10:45	+17 -6.8	for 16.6m for 8.2m
2+00		570	10:47	+22.5	
75		606	10:50	+32 +1	for 13.6 11.3
50		611	10:53	-15	
25		566	10:54	-31	
1+00		410	10:56	-36	
75		486	11:01	-25	
50		492	11:03	-23	
25S		512	11:07	-15	
BL 00		536	11:08	-8	
0+25N		630	11:09	-4	
50		495	11:11	-8	
75		522	11:12	-13.5	

MAG. SURVEY - NORTH ZONE

STN	READING	TIME	ANGLE
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LINE	1+00 W	Bearing	190
1+00 N	57	524	11:13 -33
25		508	11:14 -22
50		485	11:15 -12
75		495	11:15 -10
2+00		529	11:16 -0.5
25		500	11:17 -4
50		502	11:20 +5
75		530	11:21 -1
3+00 N		530	11:22 -6.5

LINE	0+50 W	Bearing	193
------	--------	---------	-----

3+00 N		525	11:25 +13
75		516	11:28 +13
50		514	11:31 +12
25		486	11:35 +10
2+00		506	11:36 +12
75		533	11:37 +10
50		497	11:38 +7
25		491	11:39 +18.5
1+00		545	11:40 +22
75		515	11:41 +24
50		543	11:42 0
25 N		529	11:44 +4
B L 00		527	11:45 -10.5

STN	READING	TIME	ANGLE
LINE 0+50W	Bearing	192	
Blow	57 506	12:30	
0+25S	57 488	12:33	+14.5
50	491	12:38	+20 for 16.5m -5 for 9.7m
75	471	12:42	+8.5
1+00	457	12:44	+3
25	414	12:48	+18.5 B → 189°
50	533	12:50	+10
75	522	1:06	+21 Joy
2+00	503	1:10	+18
25	526	1:15	-10 for 17m -2.5 for 9.8
50	513	1:18	-11.5
75	465	1:20	-14
3+00S	482	1:22	-8
LINE 0+00	Bearing	015°	
3+00S	463	1:31	
75	540	1:33	+13
50	507	1:37	0
25	471	1:38	+4
2+00	468	1:39	-17
75	502	1:43	-5
50	479	1:45	-5
25	487	1:48	-16
1+00	441	49	-9

MAG. SURVEY - NORTH ZONE

STN	READING	TIME	ANGLE	
LINE 0+00				
1+00 S	441	1:49	-9	
75	507	1:51	+5	
50	498	1:55	-15	for 14m
25	527	1:58	-37	for 14.5m
B+00	550	2:01	-9	
0+25 N	542	2:05	+31	for 8m
50	509	2:09	-1	for 18m
75	484	2:11	0	
1+00	509	2:15	+16	for 20m
25	515	2:18	-36	
50	502	2:21	-20	B → 013°
75	505	2:22	-18	
2+00	515	2:24	-13	
25	547	2:26	+8	for 10.3m
50	515	2:27	-21	for 14.7m
75	489	2:28	-14	
3+00 N	600	2:29	-14	
LINE 0+50 E B → 190°				
3+00 N	627	2:34		
75	615	2:37	+4	
50	589	2:41	+15	for 19.5m
25	574	2:47	+13.5	28.6m

STN READING TIME ANGLE

LINE O+50 E

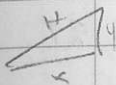
2+00 N	571	2:48	+10	
75	557	2:51	+21.5	
50	539	2:52	+17	
25	566	2:54	+25	
1+00	538	2:55	-1	
75	600	2:57	0	
50	528	2:58	-12	
25	634	2:59	+17	
BL 00	513	3:00	-7	B → 190°
25 S	561	3:01	-7	
50 S	544	3:02	+6	
75 S	596	3:06	+12	
1+00 S	550	3:07	+3.5	
25 S	530	3:08	+6	
50 S	528	3:10	+18	
75 S	544	3:11	+5.5	
2+00 S	520	3:12	+23	
25 S	524	3:16	+33	
50 S	525	3:17	+10	
75 S	519	3:22	-30	
3+00	525	3:24	+5	

Bearing from 3100 W - 3100 N
to 2750 W 3100 N
is 92° ; with slope angle -9°
for 7.8 m, then with slope angle
of -26.5° for 80.6 m.

Bearing from 2150 W - 3100 S
to 2100 W - 3100 S
is 105° ; with slope angle $+12.5^\circ$
for 50.6 m ; then with slope
angle -31° for 13.9 m.

Bearing from 2150 W 3100 N
to 2100 W 3100 N is
 122° with slope angle $+7^\circ$
for slope dist 12.3 m

Bearing from 2100 W 3100 N
to 1750 W 3100 N is
 100° with slope angle -0.5°
for 43.7 m ; slope angle -10°
for 29.4 m



$$x = H \cos \alpha$$

$$y = H \sin \alpha$$

$$y_1 = 10.95$$

$$y_2 = -7.16$$

$$3.79$$

$$x_1 = 49.4$$

$$x_2 = 11.9$$

$$61.3$$

$$x_1 = 43.7$$

$$x_2 = 28.6$$

$$72.3$$

$$y_1 = 10.38$$

$$y_2 = -5.11$$

$$-5.49$$

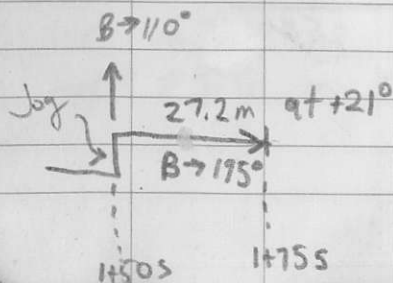
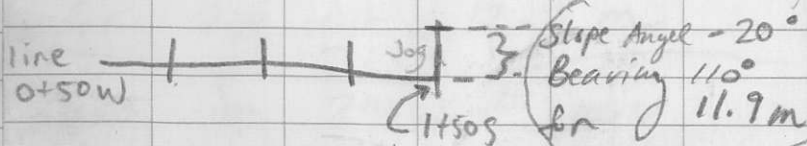
Aug 23/84

Bearing from 1450 W 3100 S
to 1400 W 3100 S
is 88° for 22.2 meters
at slope angle -11° ; then
Bearing 92° for 49.9 meters
at slope angle -37°

Bearing from 1400 W 3100 N
to 0450 W 3100 N is
 107° for 54.1 m at
 -29.5°

JOG

Jog around cliff face
for line 0450 W



Bearing from 0450 W 3400 S
to 0400 3400 S
is 075°
Slope angle -15.5°
for 31 m (Note: see JOG)

Bearing from 0400 3400 N
to 0150 E 3400 N
is 109°
Slope Angle is -11°
for 64.90 m

Bearing from 0450 E 3400 S
to 1400 E 3400 S
is 090°

Slope Angle is -12°
for 32.1 m

Station	Leading		Time	Angle	
Line 1400E		B →	015		
3+00S	57	521	3:27		
75		520	3:32	+2.5	for 14.2m
50		508	3:33	-20	for 10.0
25		523	3:36	-18	
2+00S		528	3:37	+22	
75		548	3:41	-26	
50		540	3:43	-19	
25		549	3:44	-12	
1+00S	-	576	3:44	-3	
75		526	3:47	-10	
50		600	3:49	-8	for 14.5m
25		555	3:50	-23.5	for 10.5m
B200	✓	630	3:51	-19	
				-14	
				+2.5	

Aug 24

line/Node					
B200	57	638	10:51		
0+25N		778	10:55	-15	for 17.6m
0+50N		671	10:57	-25	for 8.8m
0+75N		718	10:58	-5	
1+00N		707	11:00	+10	
				+8	

Station	Reading		Time	Angle	
ne 1+50E	B →	014°			
0+75N	57	401	11:04		
0+50N	↓	594	11:08	+1.5	
0+25N		309	11:13	-14	
00BL	↓	138	11:15	+20	
0+25 S	↗ 56 ↘	653	11:21	+18	for 16.3m for 10.5m
0+50 S	↗ 58 ↘	097	11:24	+12	
0+75 S	↗ 57 ↘	363	11:28	+24	
1+00	57	600	11:30	+35.5	
1+25	57	494	11:33	+15	
1+50	57	425	11:36	+19	
1+75	57	533	11:39	+15.5	
2+00	↗ 58 ↘	042	11:41	+4.5	
2+25	↗ 57 ↘	580	11:49	-31 -34	for 20m 7.5m
2+50		582	12:00	+23	
2+75		587	12:04	+13	
3+00		532	12:06	-6	

Station	Reading	time	Angle
line 2100E	B →	012°	
3+00 S	57 424	12:12	
2+75 S	431	12:19	+38
2+50 S	437	12:22	+3
2+25 S	451	12:25	-12
2+00 S	623	12:26	-18
1+75 S	435	12:29	-9
1+50 S	345	12:32	-14
1+25 S	353	12:33	-18.5
1+00 S	413	12:34	-16
0+75 S	392	12:35	-10
0+50 S	452	12:37	-7.5

19 m
7 m

Tie in

BL 123 12:41

Bearing from 1+00 E 1+00 N
to 1+50 E 0+75 N
is 129° with slope angle
 -28° for slope distance of
58.7 m

Bearing from 1+50 E 3+00 S
to 2+00 E 3+00 S
is 099° at slope angle -18°
for 29.3 m; then at
Bearing 110° at slope angle -25.5°
for 30.3 m

lines to 3N + 3S

3E 2E 1E 0

1W 2W 3W

each 25 m

Picket Marking
North Zone

line	N	S
0+00	N	S
1+00E	N	S
2+00E	N	S
3+00E	N	S

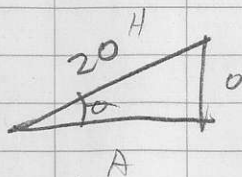
1+00W	N	S
2+00W	N	S
3+00W	N	S

$$\begin{array}{r}
 283 \\
 90 \\
 \hline
 373 \\
 360 \\
 \hline
 13
 \end{array}$$

105
90 -
195'

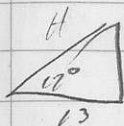
	grid	lines	comp	lefed	<u>Discovery</u>
L	2+50W	N	S		
	2+00W	N	S		
	1+50W	N	S		
	1+00W	N	S		
	0+50W	N	S		
	0+00BL	N	S		
	0+50E	N	S		
	1+00E	N	S		
	1+50E	N	S		
	2+00E	N	S		
	2+50		S		
	3+00		S		
	3+50E	N	S		

Calculations : July 24/88

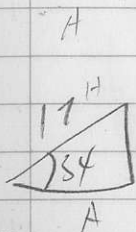


$$S = \frac{op}{H} \quad C = \frac{A}{H} \quad T = \frac{op}{A}$$

$$\theta = 24$$

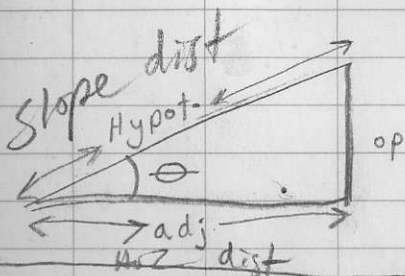


$$\frac{A}{\cos \theta} = H$$

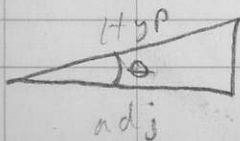


to find correct Hypot. dist.
for a given adj. Hoz. dist.

$$\frac{\text{Adj dist}}{\cos \theta} = \text{Hyp} \quad \text{Slope dist}$$



To find horizontal dist (adj) for a given Hypot



$$\cos \theta \text{ Hypot. dist}$$