

DIETZGEN

006710

Field Gravity Observations

by

United Geophysical Company of America

for

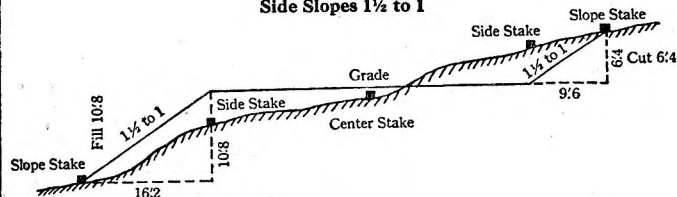
Kerr Addison Mines Limited

A GR

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

Roadway of any Width

Side Slopes 1½ to 1



In the figure above: Opposite 6 under "Cut or Fill" and under .4 read 9.6 the distance from the side stake to the slope stake at right. Opposite 10 under "Cut or Fill" and under .8 read 16.2, the distance from the side stake to the slope stake at the left.

Cut or Fill	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	Cut or Fill
	Distance out from Side or Shoulder Stake										
0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	0
1	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	1
2	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.4	2
3	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.7	5.9	3
4	6.0	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.4	4
5	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7	8.9	5
6	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.1	10.2	10.4	6
7	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.6	11.7	11.9	7
8	12.0	12.2	12.3	12.5	12.6	12.8	12.9	13.1	13.2	13.4	8
9	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.6	14.7	14.9	9
10	15.0	15.2	15.3	15.5	15.6	15.8	15.9	16.1	16.2	16.4	10
11	16.5	16.7	16.8	17.0	17.1	17.3	17.4	17.6	17.7	17.9	11
12	18.0	18.2	18.3	18.5	18.6	18.8	18.9	19.1	19.2	19.4	12
13	19.5	19.7	19.8	20.0	20.1	20.3	20.4	20.6	20.7	20.9	13
14	21.0	21.2	21.3	21.5	21.6	21.8	21.9	22.1	22.2	22.4	14
15	22.5	22.7	22.8	23.0	23.1	23.3	23.4	23.6	23.7	23.9	15
16	24.0	24.2	24.3	24.5	24.6	24.8	24.9	25.1	25.2	25.4	16
17	25.5	25.7	25.8	26.0	26.1	26.3	26.4	26.6	26.7	26.9	17
18	27.0	27.2	27.3	27.5	27.6	27.8	27.9	28.1	28.2	28.4	18
19	28.5	28.7	28.8	29.0	29.1	29.3	29.4	29.6	29.7	29.9	19
20	30.0	30.2	30.3	30.5	30.6	30.8	30.9	31.1	31.2	31.4	20
21	31.5	31.7	31.8	32.0	32.1	32.3	32.4	32.6	32.7	32.9	21
22	33.0	33.2	33.3	33.5	33.6	33.8	33.9	34.1	34.2	34.4	22
23	34.5	34.7	34.8	35.0	35.1	35.3	35.4	35.6	35.7	35.9	23
24	36.0	36.2	36.3	36.5	36.6	36.8	36.9	37.1	37.2	37.4	24
25	37.5	37.7	37.8	38.0	38.1	38.3	38.4	38.6	38.7	38.9	25
26	39.0	39.2	39.3	39.5	39.6	39.8	39.9	40.1	40.2	40.4	26
27	40.5	40.7	40.8	41.0	41.1	41.3	41.4	41.6	41.7	41.9	27
28	42.0	42.2	42.3	42.5	42.6	42.8	42.9	43.1	43.2	43.4	28
29	43.5	43.7	43.8	44.0	44.1	44.3	44.4	44.6	44.7	44.9	29
30	45.0	45.2	45.3	45.5	45.6	45.8	45.9	46.1	46.2	46.4	30
31	46.5	46.7	46.8	47.0	47.1	47.3	47.4	47.6	47.7	47.9	31
32	48.0	48.2	48.3	48.5	48.6	48.8	48.9	49.1	49.2	49.4	32
33	49.5	49.7	49.8	50.0	50.1	50.3	50.4	50.6	50.7	50.9	33
34	51.0	51.2	51.3	51.5	51.6	51.8	51.9	52.1	52.2	52.4	34
35	52.5	52.7	52.8	53.0	53.1	53.3	53.4	53.6	53.7	53.9	35
36	54.0	54.2	54.3	54.5	54.6	54.8	54.9	55.1	55.2	55.4	36
37	55.5	55.7	55.8	56.0	56.1	56.3	56.4	56.6	56.7	56.9	37
38	57.0	57.2	57.3	57.5	57.6	57.8	57.9	58.1	58.2	58.4	38
39	58.5	58.7	58.8	59.0	59.1	59.3	59.4	59.6	59.7	59.9	39
40	60.0	60.2	60.3	60.5	60.6	60.8	60.9	61.1	61.2	61.4	40

EUGENE DIETZEN CO.

SWIM GROUP

RECEIVED
AUG 17 1966

KERR ADDISON

MINES LTD.

Per.....
Property of KERR ADDISON MINES.

Address VANCOUVER BC.

Phone

page 38
(Estimated) instrument
constant = 0.1022191 mgal/dw.

This Field Book is manufactured of a High Grade 100% Rag Paper Having a WATER RESISTING SURFACE, and is sewed with RUST PROOF wire.

Made in U. S. A.

AUG. 22 NO '64.

STA.	TIME	READING	DRIFT	OBS. GRAV	H.I. above hub
BASE A	12 ⁵⁶	1645.6			+0.92
BASE B	1 ¹²	1524.0	-0.16 A.		+0.90
BASE C	1 ²⁷	1443.6	-0.32 A. -0.19 B.		+1.65
BASE D	1 ³⁸	1410.4	-0.44 A. -0.33 B. -0.22 C.		+0.20
BASE E	1 ⁵²	1374.8	-0.57 A. -0.51 B. -0.49 C. -0.22 D.		+0.33
BASE D	2 ⁰⁴	1410.8	-0.69 A. -0.67 B. -0.72 C. -0.02 E.	-4/26: 184	
BASE C	2 ¹³	1444.5	-0.79 A. -0.78 B. -0.04 E. -0.04 D.	-9/46: 196	
BASE B	2 ²²	1524.9	-0.66 A. -0.06 E. -0.07 D. -0.02 C.	-9/70: 179	
BASE A	2 ³⁴	1646.6	-0.08 E. -0.12 D. -0.04 C. -0.07 B.	-10/98: 102	
BASE B	2 ⁵⁶	1525.1	-0.13 E. -0.21 D. -0.06 C. -0.04 A.	-2/34: 586	
BASE C	3 ⁰⁸	1444.6	-0.15 E. -0.26 D. -0.07 A. -0.02 B.	-1/55: 182	
BASE D	3 ¹⁹	1411.1	-0.17 E. -0.09 A. -0.03 B. -0.05 C.	-3/75: 4	

At intersection of Main St. & Camp Road.

Line 18 W.

32 W

Stand 8' SE
away from tree roots.Line 22 W
42 W.

Main St.

Line 65 W
1 58 W.

STA.	TIME	READING	DRIFT	OBS. GRAV.	H. I.
BASE E	3 ³³	1375.0	-0.11 A. -0.05 B. -0.10 C. -0.03 D.	-2/121.198	
BASE D	3 ⁴⁶	1411.2	-0.14 A. -0.07 B. -0.16 C.	-1/27.37	
BASE C	3 ⁵⁶	1444.8	-0.16 A. -0.09 B.	-2/43.147	
BASE B	4 ⁰⁵	1525.2	-0.17 A.	-1/69.145	
BASE A	4 ¹⁸	1646.8		-2/104.192	

B	121.74	TABLE 1			
	121.59				
C	202.32	80.59			
	202.06	80.28			
	202.07	80.38			
	201.96	80.52			
D	235.64	113.93	33.42		
	235.68	113.87	33.52		
	235.59	114.03	33.66		
	235.54	114.09	33.54		
E	271.37	149.71	69.29	35.82	
	271.72	150.04	69.66	35.98	
	271.71	150.17	69.65	36.13	
		150.15	69.70	36.15	
A		B	C	D	

TABLE 2.					
B	121.6(2)	BASE DIFFERENCES			
[IN METER (DIAL) SCALE DIVS.]					
C	202.0(9)	80.4(7)			
D	235.6(2)	114.0(0)	33.5(3)		
E	271.6(4)	150.0(2)	69.5(5)	36.0(2)	
A		B	C	D	

TABLE 3.

A	B	C	D	E	RELATIVE GRAVITY OF BASES.
100.000	87.56(8)	79.34(2)	75.91(5)	72.23(3)	

The results of this Base Run are Tabulated in TABLE 1
 - they were then averaged - the resulting table
 permuted, averaged & adjusted to give TABLE 2

TABLE 3 gives the gravity of B, C, D & E with
 respect to A which is given an arbitrary value
 of 100.00(0). milli gals

AUGUST 21st 1964

STA	TIME	READING	DRIFT	OBS. GRAVITY	H.I.
<u>LINE 1E</u>					
BASE A	5 ²⁸	1646.9		100.00	+0.90
16 S	5 ³³	1641.8		99.48	+1.00
17 S	5 ³⁶	1638.9		99.18	+0.80
18 S	5 ³⁸	1631.0		✓ 98.38	+0.50
19 S	5 ⁴²	1632.7		98.55	+0.65
20 S	5 ⁴⁵	1630.0		98.27	+0.40
21 S	5 ⁴⁸	1627.7		98.04	+0.40
22 S	5 ⁵¹	1621.4		97.39	+0.00
23 S	5 ⁵³	1620.2		97.27	+0.75
24 S	5 ⁵⁷	1615.0		96.74	-0.70
25 S	5 ⁵⁹	1615.4		96.78	+0.30
26 S	6 ⁰²	1609.6	-0.1	96.18	+0.40
27 S	6 ⁰⁶	1598.1	-0.1	95.00	+0.50
28 S	6 ⁰⁸	1586.1	-0.1	93.78	+0.30
29 S	6 ¹¹	1574.2	-0.1	92.56	+0.40
BL 3/30'S	6 ¹⁶	1566.5	-0.1	91.77	+1.10
25 S-R	6 ²³	1615.4	-0.1	96.77	
19 S-R	6 ²⁸	1632.8	-0.1	✓ 98.55	
BASE A	6 ³³	1647.0	-0.1	100.00	

Elevation		
3227.55		
235.98		
242.35		
255.62		
254.29		
259.39		Vibration due to tree
264.98		
275.22		
277.99		
288.06		Poor Sta location
286.49		
3296.76		Small creek - poor reading
3314.01		
332.59		
351.73		
3363.55		Beside claim post - shift 4' S.

AUG. 22ND '64.

LINE S.E.

STA.	TIME	READING	DRIFT	OBS GRAV	H.I.
BASE A.	4 ²¹	1646.8			
BL. 2	4 ⁴⁶	1679.9	+0.3	103.41	+0.25
165	4 ⁵⁴	1675.6	+0.4	102.98	+0.0
175	4 ⁵⁸	1672.4	+0.4	102.62	+0.25
185	5 ⁰¹	1666.7	+0.5	102.09	+0.30
195	5 ⁰⁴	1664.7	+0.5	101.88	+0.15
205	5 ⁰⁷	1661.4	+0.5	101.54	+0.40
215	5 ¹⁰	1664.1	+0.6	✓101.83	+0.26
225	5 ¹³	1663.2	+0.6	101.74	+0.00
235	5 ¹⁶	1661.5	+0.6	101.56	+0.22
245	5 ²⁰	1652.6	+0.7	100.66	+0.13
255	5 ²³	1643.3	+0.7	99.71	+0.13
265	5 ²⁷	1633.5	+0.8	98.72	+0.67
275	5 ³¹	1624.9	+0.8	97.84	-0.12
285	5 ³⁶	1613.1	+0.9	96.65	+0.34
295	5 ⁴⁰	1603.9	+0.9	✓95.71	-0.13
BL. 3.	5 ⁴⁵	1593.2	+1.0	94.62	+0.06
25R	5 ⁵⁰	1643.2	+1.0	99.73	
17R	5 ⁵⁹	1671.6	+1.1	102.65	
BASE A.	6 ⁰⁵	1645.6	+1.2 11538		

ELEVATION.

Shaky set up - at intersection with Main St	3169.58
V. -	3175.11
	3181.78
	3189.82
	3194.51
	3200.36
	3194.58
	3196.05
	3198.21
	3212.88
	3229.11
Shield 1' south	3246.08
V. Shaky set up.	3261.22
Poor reading V. poor set up.	3279.69
	3298.69
	3316.54

AUG. 22ND '64.

LINE S.E.

STA.	TIME	READING	DRIFT	OBS GRAV	H.I.
BASE A.	4 ²¹	1626.8			
BL. 2	4 ⁴⁶	1679.9	+0.3	103.41	+0.25
165	4 ⁵⁴	1675.6	+0.4	102.98	+0.0
175	4 ⁵⁸	1672.4	+0.4	102.62	+0.25
185	5 ⁰¹	1666.7	+0.5	102.09	+0.30
195	5 ⁰⁴	1664.7	+0.5	101.88	+0.15
205	5 ⁰⁷	1661.4	+0.5	101.54	+0.40
215	5 ¹⁰	1664.1	+0.6	✓101.83	+0.26
225	5 ¹³	1663.2	+0.6	101.74	+0.00
235	5 ¹⁶	1661.5	+0.6	101.56	+0.22
245	5 ²⁰	1652.6	+0.7	100.66	+0.13
255	5 ²³	1643.3	+0.7	99.71	+0.13
265	5 ²⁷	1633.5	+0.8	98.72	+0.67
275	5 ³¹	1624.9	+0.8	97.84	-0.12
285	5 ³⁶	1613.1	+0.9	96.65	+0.34
295	5 ⁴⁰	1603.9	+0.9	✓95.71	-0.13
BL. 3.	5 ⁴⁵	1593.2	+1.0	94.62	+0.06
25R	5 ⁵⁰	1643.2	+1.0	99.73	
17R	5 ⁵⁹	1671.6	+1.1	102.65	
BASE A.	6 ⁰⁵	1625.6	+1.2/104 11538		

ELEVATION.

Shaky set up - at Intersection with Main St 3169.58

V. - - 3175.11

3181.78

3189.82

3194.51

3200.36

3194.58

3196.05

3198.21

3212.88

3229.11

Shd 1' south 3246.08

V. Shaky set up. 3261.22

Poor reading V. poor set up. 3279.69

3298.69

3316.58

AUG 23, '64

STA	TIME	READING	DRIFT	OBS GRAV	H I.
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LINE TW

BASE A	4 ¹⁵	1647.1			
TW/BL 2	4 ²²	1609.1		96.12	+0.23
16S	4 ²⁷	1607.8		95.68	+0.10
17S	4 ³⁶	1597.7		✓ 94.95	-0.05 +0.19
18S	4 ⁴³	1589.9	+0.1	94.16	+0.10
19S	4 ⁴⁸	1583.9	+0.1	93.55	+0.00
20S	4 ⁵¹	1578.0	+0.1	92.95	-0.70
21S	4 ⁵⁴	1573.2	+0.1	92.46	+0.30
22S	4 ⁵⁷	1566.5	+0.1	91.77	+0.23
23S	5 ⁰¹	1561.0	+0.1	91.21	+0.30
24S	5 ⁰⁴	1556.5	+0.1	90.75	+0.45
25S	5 ⁰⁸	1554.6	+0.1	90.55	+0.30
26S	5 ¹²	1554.4	+0.1	90.53	+0.22
27S	5 ¹⁵	1552.3	+0.1	90.32	+0.15
28S	5 ¹⁸	1551.0	+0.1	90.19	-0.04
29S	5 ²²	1545.6	+0.2	89.65	+0.15
L7W/BL 3	5 ²⁶	1541.4	+0.2	✓ 89.22	+0.40

LINE 18W

BL 3.	5 ³⁸	1495.9	+0.2	84.56	-0.20
28	5 ⁴⁹	1496.1	+0.2	84.59	+0.20
27	5 ⁵³	1496.4	+0.2	84.62	+0.20
26	5 ⁵⁵	1498.1	+0.2	84.79	+0.15

ELEVATION

3296.83
3304.80
3315.65
3330.33
3340.66
3350.47
3357.84
3370.01
3380.55
3387.50
3391.35
3393.27
3396.59
3399.77
3408.89
3415.29

Sta skid 5' SE still ✓ unsteady.

Lost time trying to determine if on right line

Shaky

✓

3496.21
3493.85
3492.70
3488.46

STA	TIME	READING	DRIFT	OBS. GRVITY	H I
BASE B	7 ²⁰	1525.4			
BL2/TWR	7 ²⁹	1609.1		96.12.	
BASE A	7 ³⁷	1647.0	0.0		
	7 ⁴¹	1658.2			

AUGUST 24th '64.

LINE 24 W.

BASE B	11 ⁰³	1522.9		87.56(8)	
20SR	11 ¹⁵	1462.2	-0.1	81.35	
21	11 ¹⁹	1458.9	-0.1	✓81.02	+0.25
22	11 ²²	1455.1	-0.2	80.62	+0.00
23	11 ²⁵	1450.4	-0.2	80.19	+0.40
24	11 ²⁸	1447.4	-0.2	79.83	+0.30
25	11 ³¹	1448.1	-0.2	79.90	+0.65
26	11 ³⁴	1446.8	-0.3	79.76	+0.65
27	11 ³⁸	1448.1	-0.3	79.89	+0.40
28	11 ⁴¹	1446.3	-0.3	79.71	+0.45
BL3	11 ⁴⁵	1446.4	-0.4	✓79.71	+0.40

BASE LINE #3

25 W	11 ⁵⁰	1438.5	-0.4	78.90	+0.80
26 W	11 ⁵³	1432.0	-0.4	78.24	+0.55

ELEVATION.

3547.36

3555.13

3562.14

3567.82

3568.30

3572.38

3572.64

3577.31

3579.51

3592.59

3603.72

STA	TIME	READING	DRIFT	OBS. GRAV	H.I.
27W	11 ⁵⁶	1427.3	-0.5	77.79	+0.25
28W	12 ⁰⁰	1421.4	-0.5	77.14	+0.05
Line 26W.	12 ⁰³	1416.9	-0.5	76.68	-0.10
29W	12 ⁰⁷	1415.3	-0.6	76.51	+0.15
30W	12 ⁰⁹	1410.8	-0.6	76.05	+0.05
31W	12 ¹⁴	1405.6	-0.6	✓ 75.52	+0.00
<u>LINE 32W.</u>					
BL3	12 ²²	1397.1	-0.7	74.64	-0.10
27S	12 ²⁵	1399.6	-0.7	74.89	+0.45
26S	12 ²⁸	1401.5	-0.7	75.09	+0.30
25S	12 ³¹	1403.4	-0.8	75.27	+0.10
24S	12 ³³	1404.0	-0.8	75.33	+0.60
23S	12 ³⁶	1407.3	-0.8	75.67	+0.40
22S	12 ³⁸	1410.2	-0.8	75.97	+0.35
21S	12 ⁴¹	1413.7	-0.9	76.31	+0.00
20S	12 ⁴⁴	1418.6	-0.9	76.81	+0.15
19S	12 ⁴⁷	1424.8	-0.9	77.45	+0.00
18S	12 ⁵⁰	1431.3	-0.9	78.12	+0.20
17S	12 ⁵³	1437.4	-1.0	✓ 78.73	-0.60
BASE C	12 ⁵⁷	1443.4	-1.0/114 8772		
		1442.4			

[illegible]

STA	TIME	READING	DRIFT	OBS. GRAVITY	H I
10 S	3 ²¹	1466.8		81.71	-0.40
9 S	3 ²⁷	1479.5		83.01	+1.05
8 S	3 ³²	1500.8		85.18	+0.00
7 S	3 ³⁴	1515.0		86.6 ⁶³ 64	+0.70
6 S	3 ³⁷	1530.2		88.19	+0.40
5 S	3 ⁴⁰	1545.8		89.78	+0.15
4 S	3 ⁴⁶	1558.0	+0.1	91.04 ✓	+0.65
3 S	3 ⁴⁹	1572.1	+0.1	92.48	+0.15
2 S	3 ⁵²	1581.9	+0.1	93.48	-0.30
1 S	3 ⁵⁵	1594.9	+0.1	94.81 ✓	-0.40
BL 1	3 ⁵⁸	1609.7	+0.1	96.33	+0.65

BASE	LINE #1
------	---------

66W	4^{02}	1602.8	+0.1	95.62
67W	4^{05}	1594.0	+0.1	94.72 ✓
66W	4^{07}	1589.7	+0.1	94.28

LINE	65W.
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65W/B/L1	4 ¹⁰	1583.6	+0.1	93.66	+0.10
25	4 ¹³	1572.1	+0.1	92.48 ✓	+0.20
35	4 ¹⁶	1559.3	+0.1	91.17	+0.40
45	4 ¹⁹	1545.2	+0.1	89.73	+0.20

	ELEVATION
	352895
Bad set up - too close to trees. Skid 4's	350311
	346403
Shaky	343712
	341083
	338309
<u>Very Shaky.</u>	336013
✓	333449
	331677
	329173
	326232
	327782
	329335
	330269
	331452
	333734
	336068
	338698

STA	TIME	READING	DRIFT	OBS. GRAVITY	HI
55	4 ²²	1531.7	+0.1	88.35✓	+0.46
65	4 ²⁷	1518.7	+0.1	87.02✓	+0.30
75	4 ³⁵	1503.5	+0.1	85.47✓	-1.20
85	4 ³⁸	1488.2	+0.1	83.91✓	+0.10
98 S	4 ⁴¹	1475.7	+0.1	82.63✓	+0.210
10 S	4 ⁴⁴	1469.2	+0.1	81.96✓	-0.45
11 S	4 ⁴⁷	1460.4	+0.1	81.06✓	-0.60
12 S	4 ⁵¹	1447.7	+0.1	79.77✓	-0.40
13 S	4 ⁵³	1426.3	+0.1	77.78✓	+0.00
14 S	4 ⁵⁶	1412.5	+0.1	76.17✓	-0.35
BASE E	5 ⁰⁰	1374.0	+0.1/154		
145 R	5 ⁰⁵	1412.5		76.17	
155	5 ¹⁰	1399.6		74.85	+0.00
16 S	5 ¹⁴	1386.9		73.55	+0.00
BASE E	5 ¹⁸	1374.0	±0.0		
BASE E	5 ¹⁶	1374.0		72.23(3)	
22 S	5 ²⁹	1340.5		68.81	-0.65
21 S	5 ³¹	1345.0		69.27	+0.00
20 S	5 ³⁴	1348.7		69.65✓	-0.40
19 S	5 ³⁷	1351.6		69.94	-0.20

[illegible]

STA	TIME	READING	DRIFT	OBS. GRAVITY	HZ
18 S	5 ⁴⁰	1352.7		70.06	+0.65
17 S	5 ⁴²	1356.9		70.49✓	+0.40
16 ^S TS	5 ⁴⁶	1363.1		71.12	-0.90
BASE E	5 ⁴⁸	1374.0	6.0		
BASE LINE #2					
BASE E	5 ⁴⁹	1374.0		72.23	
LINE 690/BLZ	5 ⁵⁴	1400.8		74.97	+0.60
64 W	5 ⁵⁸	1394.6		74.34	+0.00
63 W	6 ⁰¹	1390.1		73.88✓	+0.15
62 W	6 ⁰³	1385.4		73.45	
61 W	6 ⁰⁷	1380.6	+0.1	72.92	+0.20
60 W	6 ¹¹	1377.4	+0.1	72.64	
59 W	6 ¹⁴	1374.4	+0.1	72.28✓	
BASE E	6 ¹⁷	1373.9	+0.1/28		
72.23(3)					
BASE E	6 ¹⁷	1373.9			+0.33
57 W	6 ²⁰	1370.8		71.92	+0.55
56 W	6 ²³	1372.1		72.05	
55 W	6 ²⁷	1373.4	+0.1	72.19✓	
54 W	6 ²⁹	1375.8	+0.1	72.44	
53 W	6 ³³	1378.2	+0.1	72.68✓	
52 W	6 ³⁶	1381.0	+0.1	72.97	+0.35
57 W/BLZ	6 ³⁹	1385.4	+0.1	73.42	+0.20

										ELEVATION
										3721.01
										3712.11
										3699.81
</										

STA	TIME	READING	DIFT	OBS. GRAVITY	H.F.
50W	6 ⁴²	1387.7	+0.1	73.65	
49W	6 ⁴⁷	1388.1	+0.2	73.70 ✓	+0.25
48W	6 ⁴⁹	1391.5	+0.2	74.05	+0.30
47W	6 ⁵²	1391.6	+0.2	74.06	
46W	6 ⁵⁴	1395.0	+0.2	74.41 ✓	
45W	6 ⁵⁷	1400.0	+0.2	74.92	
44W	7 ⁰⁰	1403.0	+0.3	75.24	
43W	7 ⁰²	1404.9	+0.3	75.43 ✓	
BASE D	7 ⁰⁷	1409.6 ⁻ 1409.9 ⁺	+0.3/50 500		

										ELEVATION
No Hub										3667.13
Hub 2.5' E of Sta.										3664.67
										3660.13
No Hub										3659.90
✓										3655.24
✓										3648.86
✓										3643.84
✓										3640.11

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STA	TIME	READING	DRIFT	OBS. GRAVITY	H.I.
BASE LINE #2.				100,000	
BASE A	1 ³⁸	1648.9			
OW	1 ⁴¹	1642.3		99.33	+0.75
1W	1 ⁴⁵	1637.8		98.87	+0.80
2W	1 ⁴⁸	1633.9		98.47✓	+0.15
3W	1 ⁵⁰	1631.8		98.25	+0.45
4W	1 ⁵²	1628.0		97.86	+0.35
5W	1 ⁵⁵	1623.0	-0.1	97.34✓	+0.20
6W	1 ⁵⁸	1618.5	-0.1	96.88	+0.50
7W R	2 ⁰⁰	1610.3	-0.1	96.04	
8W	2 ⁰⁶	1599.1	-0.1	94.90✓	-0.15
9W	2 ⁰⁸	1586.6	-0.1	93.62	+0.20
10W	2 ¹¹	1577.5	-0.1	92.69	+0.20
11W	2 ¹⁵	1570.2	-0.1	91.95✓	+0.30
12W	2 ²⁰	1565.0	-0.2	91.90	1
13W	2 ²³	1557.0	-0.2	90.59	+0.30
14W	2 ²⁶	1548.9	-0.2	89.76✓	+0.30
15W	2 ²⁸	1540.1	-0.2	88.86	+0.20
16W	2 ³¹	1533.8	-0.2	88.21 ²² ✓	+0.70
BASE B	2 ³³	1527.5	-0.2/55 3636		
		1527.3			
BASE B					

										ELEVATION
Rain										3238.58
										3247.21
										3254.38
										3257.87
										3265.45
Erratic - due to proximity to creeklet										3273.60
										3281.42
										3296.83
										3317.06
										3337.77
										3353.88
										3364.76
No Hub Shaky										3374.60
										3386.62
										3399.84
										3414.29
										3425.79
										3435.73

STA	TIME	READING	DRIFT	OBS. GRAVITY	H I.
<u>LINE 57W.</u>					
BASE D	3 ¹⁶	1414.3			
BL2/57W ^R	3 ²⁵	1390.1 ⁺		73.44	
55	3 ³⁵	1497.0		84.37	
65	3 ³⁸	1481.3	-0.1	82.75 ✓	
75	3 ⁴²	1470.7	-0.1	81.67	
85	3 ⁴⁶	1464.0	-0.1	80.99	
95	3 ⁴⁹	1448.6	-0.1	79.41 ✓	
105	3 ⁵³	1436.5	-0.1	78.17	-0.20
115	3 ⁵⁶	1422.9	-0.1	76.78	+0.30
125	3 ⁵⁸	1413.3	-0.1	75.80 ✓	+0.15
135	4 ⁰¹	1407.7	-0.1	75.23	+0.20
145	4 ⁰⁴	1400.3	-0.1	74.47	+0.00
155	4 ⁰⁷	1393.0	-0.1	73.73 ✓	+0.20
BL2/57W ^R	4 ¹⁰	1389.9	-0.1	73.41	
175	4 ¹³	1385.4	-0.1	72.95	
185	4 ¹⁶	1382.7	-0.2	72.66 ⁶⁷ ✓	-0.15
195	4 ¹⁸	1381.3	-0.2	72.52	+0.45
205	4 ²⁰	1375.9	-0.2	71.97	+0.20
215	4 ²⁴	1370.8	-0.2	71.45 ✓	-0.20
BASE D	4 ³³	1414.5	-02/77		

	ELEVATION.
No Hub	3481.38
✓	3508.91
✓	3527.82
✓ Shaky	3543.75
✓ -	3568.38
✓	3589.01
	3609.06
	3625.03
	3635.28
	3648.37
	3663.08
	3671.16
No Hub	3678.64
	3684.73
	3687.38
	3697.52
	3706.64

STA	TIME	READING	DRIFF	OBS. GRAVITY	H.I.
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LINE 57 W

BASE D	4 ⁴⁰	1414.6		75.91(5)	
215 R	4 ⁵²	1371.1	+0.0	71.47 ✓	
22 S	4 ⁵⁵	1370.2	+0.1	71.39 ✓	-0.50
23 S	4 ⁵⁸	1367.3	+0.1	71.09	-0.60
24 S	5 ⁰⁰	1358.4	+0.1	70.18	+0.10
25 S	5 ⁰²	1347.0	+0.1	69.02 ✓	-0.65
26 S	5 ⁰⁵	1353.4	+0.1	69.67	+0.40
27 S	5 ⁰⁸	1361.0	+0.1	70.45	-1.20
28 S	5 ¹¹	1359.3	+0.1	70.27 ✓	+0.25
29 S	5 ¹³	1359.1	+0.1	70.25	-0.10
BL3	5 ¹⁶	1358.7	+0.2	70.22	+0.00

BASE LINE #3

46 W	5 ²⁰	1364.7	+0.2	70.83 ⁸⁴ ✓	+0.00
Line 49 W	5 ²³	1370.8	+0.2	71.46	-0.75
44 W	5 ²⁷	1377.4	+0.2	72.11	-0.15
Line 42 W	5 ³¹	1379.3	+0.2	72.33 ✓	+0.00
42 W	5 ³⁴	1383.0	+0.2	72.71	+0.00
41 W	5 ³⁶	1385.5	+0.2	72.96	+0.10
40 W	5 ³⁸	1385.3	+0.2	72.94 ✓	+0.05

ELEVATION

3706.64

3709.74

3715.02

3728.50

3746.58

3738.06

3727.55

3730.17

3732.22

3733.18

Shady 2' E

3724.39

3717.25

3707.30

3704.12

3698.21

3694.68

3693.42

Shady too close to tree

AUGUST 27th

STA TIME READING DRIFT OBS. GRAVITY H.E.

BASE LINE 3 E

BASE A	4 ²⁸	1650.5		100.60(0)	
225 R	4 ³⁵	1625.1	-0.1	97.39	-0.35
L 8E/BL3 ^R	4 ⁴⁷	1599.4	-0.2	94.76	+0.06
7E	4 ⁵¹	1594.9	-0.2	94.30 ✓	+0.15
6E	4 ⁵³	1590.2	-0.3	93.81	+0.00
5E	4 ⁵⁶	1589.1	-0.3	93.69	+0.10
4E	4 ⁵⁸	1590.2	-0.3	93.81 ✓	+0.30
3E	5 ⁰²	1590.4	-0.4	93.82	-0.25
2E	5 ⁰⁵	1582.6	-0.4	93.02 ✓	+0.70
BL3. 1E ^R	5 ⁰⁸	1571.6	-0.4	91.87 ⁹⁰	+0.50

LINE 1E

39 S	5 ¹⁹	1525.4	-0.5	87.16	+0.50
38 S	5 ²²	1516.5	-0.6	86.24 ✓	-0.10
37 S	5 ²⁴	1513.0	-0.6	85.88	+0.50
36 S	5 ²⁷	1517.6	-0.6	86.35	+0.65
35 S	5 ³⁰	1524.6	-0.6	87.07 ✓	+0.40
34 S	5 ³³	1532.0	-0.7	87.82	+0.70
33 S	5 ³⁶	1537.9	-0.7	88.42	+0.45
32 S	5 ³⁸	1550.5	-0.7	89.71	+0.05
31 S	5 ⁴²	1559.5	-0.8	90.62 ✓	-0.70
30 S	5 ⁴⁶	1564.7	-0.8	91.15	-0.20

ELEVATION

3315.57 Too wet to use a pen.

3323.71

3331.40

3334.27

3331.87

3333.41 Very Shaky

3344.85

3363.55

3446.68

460.63

465.67

458.10

446.57

433.84

421.68 Shaky

400.55

386.75

3375.15

STA	TIME	READING	DRIFT	OBS GRAVITY	H.I
<u>BASE LINE 3</u>					
L 1E/BL3.	5 ⁴⁸	1571.8	-0.8	91.87	
OE/W	5 ⁵¹	1567.5	-0.9	91.42	-0.65
1W	5 ⁵⁴	1565.6	-0.9	91.23	-0.55
2W	5 ⁵⁷	1562.1	-0.9	90.87	-0.15
LINE 3W	5 ⁵⁹	1559.5	-0.9	90.61	+0.40
4W	6 ⁰²	1559.5	-1.0	90.60	+0.00
5W	6 ⁰⁴	1556.1	-1.0	90.25	+0.15
6W	6 ⁰⁶	1553.2	-1.0	89.95	+0.30
7W	6 ⁰⁸	1551.7	-1.0	89.80	+0.00
LINE 7W ^R	6 ¹²	1546.1	-1.1	89.22	+0.10
9W	6 ¹⁵	1545.6	-1.1	89.16	-0.15
LINE 11W	6 ¹⁸	1538.6	-1.1	88.45	+0.10
11W	6 ²⁰	1532.9	-1.2	87.86	-0.10
12W	6 ²³	1529.4	-1.2	87.50	+0.35
13W	6 ²⁶	1529.3	-1.2	86.98	+0.35
14W	6 ²⁸	1518.0	-1.3	86.32 ³³	+0.00
15W	6 ³²	1511.6	-1.3	85.67	+0.00
16W	6 ³⁶	1506.0	-1.3	85.10	-0.45
LINE 18W ^R	6 ⁴⁰	1500.3	-1.4	84.50 ³¹	-0.35
L 18W 225 ^R	6 ⁴⁷	1509.0	-1.4	85.39	+0.35
BASE B	6 ⁵²	1539.4	-1.5/144 1041.67		
		1528.9			

Too wet to use a pen.

ELEVATION

3372.11

3377.04

3382.65

3388.03

3390.92

3396.89

3402.82

3406.07

3415.99

3418.14

In stream bed - shaky

3430.08

3439.16

3446.19

3455.89

3466.07

3476.45

Beside claim post

3486.77

Very Shaky - deep moss

3496.92

[illegible]

BASE D	785	1417.4	75.91(5)
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BASE D	4 ⁸⁵	1417.4		15.11.2017	
225 R	4 ⁵²	1392.8	-0.1	73.39	
215	4 ⁵⁵	1396.4	-0.1	73.76	-0.25
205	4 ⁵⁸	1401.3	-0.1	74.26 ✓	-0.30
195	5 ⁰¹	1406.5	-0.2	74.78	+0.00
185	5 ⁰³	1412.3	-0.2	75.37	-0.40
BASE D	5 ⁰⁶	1417.6	02/21		

BASE D	5^{06}	1417.6		75.91(5)	
115	5^{12}	1456.2		79.86	
125	5^{15}	1446.0		78.82	-0.65
135	5^{19}	1437.3		77.93	+0.00
145	5^{22}	1432.8		77.47	-0.70
155	5^{24}	1426.0		76.77	-0.80
165	5^{26}	1419.8		76.14	+0.15
BASE D	5^{31}	1417.6	± 0.0		

[illegible]

BASE LINE	# 2				
STA	TIME	READING	DRIFT	OBS. GRAVITY	HI.
BASE D	5 ³¹	1417.6		75.91(5)	+0.20
41W	5 ³⁴	1419.8		76.14	-0.25
40W	5 ³⁷	1421.6		76.32✓	-0.10
39W	5 ³⁹	1423.7		76.54	-0.10
38W	5 ⁴²	1424.9		76.66	+0.10
LINE 38W	5 ⁴⁵	1427.5		76.93✓	+0.30
36W	5 ⁴⁷	1431.7	-0.1	77.35	+0.30
35W	5 ⁵⁰	1433.1	-0.1	77.49	-0.40
LINE 34W	5 ⁵²	1439.0	-0.1	78.09✓	+0.20
33W	5 ⁵⁶	1442.6	-0.1	78.46	-0.15
32W	5 ⁵⁸	1447.3	-0.1	78.94✓	+0.20
BASE C	6 ⁰²	1451.2	-0.1/31		
		1451.1			
BASE C.	6 ⁰²	1451.2		79.34(2)	+1.65
30W	6 ⁰⁴	1455.4		79.77	+0.35
29W	6 ⁰⁷	1457.6	+0.1	80.01✓	+0.00
28W	6 ¹⁰	1462.4	+0.1	80.50	+0.40
Line 27W	6 ¹³	1465.2	+0.1	80.78	-0.25
26W	6 ¹⁶	1468.0	+0.2	81.08✓	+0.50
25W	6 ¹⁹	1473.9	+0.2	81.68	+0.00
24W	6 ²²	1476.8	+0.2	81.98	+0.60
L 24W R	6 ²⁴	1484.9	+0.2	82.81✓	+0.05
22W	6 ²⁸	1490.6	+0.3	83.40	+0.00
21W	6 ³⁴	1497.5	+0.3	84.11	-0.45

ELEVATION	
3633.04	
3629.81	
3625.41	
3622.45	
3618.91	
3614.99	
3607.52	
3604.35	
3595.05	Shaky
3589.69	
3581.21	
3573.90	
3567.01	
3562.75	
3554.94	
3549.65	
3543.76	
3535.15	
3528.01	
3515.27	
3506.14	
3493.99	• skid south from trees

[illegible][illegible]

AUGUST 30th 64

STA	TIME	READING	DRIFT	OBS. GRAVITY	HT
BASE LINE 3					
BASE 8	4 ³²	1533.2		8756(8)	
LINE 24W ^R	4 ⁴⁵	1456.1		79.69	+0.40
23W	4 ⁴⁹	1462.8		80.37✓	+0.15
22W	4 ⁵²	1468.0		80.90	+0.15
21W	4 ⁵⁵	1473.6		81.48	+0.50
LINE 19W	4 ⁵⁸	1478.9		82 ⁰¹ 02.4	+0.15
19W	5 ⁰¹	1489.1		83.06	-0.20
18W	5 ⁰³	1494.9		83.65	+0.20
LINE 18W ^R	5 ⁰⁷	1503.3		84.51✓	
	5 ¹⁰	1503.0			-0.50

LINE 18 W.

30S.	5 ¹⁰	1503.0		84.48	-0.50
31S	5 ¹³	1502.5		84.43.	-0.20
32S	5 ¹⁵	1498.0		83.97✓	+0.20
33S	5 ²¹	1500.8		84.26	± 0.00
34S	5 ²⁶	1501.6		84.34	-0.25
35S	5 ²⁹	1498.4		84.01✓	-0.25
36S	5 ³²	1490.2		83.17	-0.80
37S	5 ³⁵	1483.0		82.44	± 0.00
38S	5 ³⁷	1477.5	+0.1	81 ⁸⁴ 98.4	+0.10
39S	5 ⁴⁰	1475.9	+0.1	81.72	+0.70

ELEVATION

3580.37

3568.84

3557.92

3547.87

3537.54

3521.10

3509.68

3497.10

3499.25

3507.25

3504.69

3506.73

3511.16

3525.04

3536.85

3545.93

3547.58

In stream bed very jumpy not a reliable value
still predominantly schist in stream bed

STA	TIME	READING	DRIFT	OBS. GRAVITY	HI
505	5 ²⁶	1481.4	+0.1	82.28	
415	5 ⁴⁹	1489.5	+0.1	83.11	
425	5 ⁵²	1495.5	+0.1	83.73 72	
435	5 ⁵⁶	1496.5	+0.1	83.83	
445	5 ⁵⁸	1493.3	+0.1	83.50	
455	6 ⁰¹	1489.7	+0.1	83.13	✓
465	6 ⁰³	1486.9	+0.1	82.85	
475	6 ⁰⁶	1484.7	+0.1	82.62	
395 ^R	6 ²¹	1476.1	+0.1	81.74	✓
BL3-5W ^R	6 ³⁰	1559.5	+0.1	90.27	
BASE A	6 ⁴¹	1654.7	+0.1/129		
		8			

3540.16	
3528.20	
3519.30	
3518.60	20' S of Creek - less schist in float
3523.98	Shaky
3530.49	
3534.54	
3538.27	Outcrop dip 37° strike 48°

SEPT. 3RD 1964

STA	TIME	READING	DRIET	OBS. GRAVITY	H.I.
LINE	42. W.				
BASE D	3 ³⁸	1420.2		75.91(5)	
115. R	3 ⁴⁵	1459.0	-0.1	79.07.	
105	4 ⁵¹	1466.7	-0.2	80.65✓	-0.30
95	4 ⁵⁴	1476.9	-0.2	81.69	-0.15
85.	4 ⁵⁸	1489.0	-0.2	82.93	-0.00
75.	5 ⁰⁵	1502.3	-0.3	84.28 ²⁷	-0.15
65	5 ⁰⁸	1513.8	-0.4	85.44	
55	5 ¹²	1523.7	-0.4	86.45	
45	5 ¹⁶	1534.9	-0.5	87.59✓	
35	5 ²²	1545.6	-0.5	88.68	
25.	5 ²⁷	1556.8	-0.6	89.82	
15	5 ³⁰	1566.6	-0.6	91.02✓	
B.L. 1/42W.	5 ³³	1586.5	-0.7	92.84	

BASE LINE 1.

43W	5 ³⁷	1580.6	-0.7	92.29 ✓	
44W	5 ⁴¹	1579.1	-0.7	92.09	-0.40
45W	5 ⁴⁵	1576.0	-0.8	91.76	
46W	5 ⁴⁹	1573.2	-0.8	91.47 ✓	
47W	5 ⁵³	1568.7	-0.9	91.00	
48W	5 ⁵⁶	1566.8	-0.9	90.81	
LINE 49W	5 ⁵⁹	1566.7	-1.0	90.79 ✓	-0.30

28

ELEVATION				
356301				
357878	✓			
3531.50				
3510.96	✓			
348841	✓	V Shady	No Hub	
3468.17			✓	
3450.00		✓	✓	In creek.
3429.79			✓	
3410.38	Sta too close to trees.	✓	✓	
3390.33	✓	-	-	✓
3368.11			✓	
3337.33			✓	
3346.68			-	
3349.34			-	
3354.44			-	
3358.44			-	
3365.24			-	
3368.02			-	
3370.96			-	

STA	TIME	READING	DRIFT	OBS GRAVITY	HI.
<u>LINE 49 W.</u>					
15.	5 ⁰³	1550.2	-1.0	89.10 ✓	-0.90
25	5 ⁰⁶	1532.2	-1.0	87.26	-0.80
35	5 ⁰⁹	1517.6	-1.1	85.76	-0.30
45	5 ¹⁴	1507.4	-1.1	84.72 ⁷¹ ✓	-0.45
55	5 ¹⁷	1500.4	-1.2	83.99	-0.64
65	5 ²²	1491.7	-1.2	83.10	± 0.00
75	5 ²⁶	1480.4	-1.3	81.94	-0.15
85.	5 ³⁰	1469.0	-1.3	80.77 ✓	± 0.00
95	5 ³³	1459.8	-1.4	79.82	-0.10
105	5 ³⁶	1450.1	-1.4	78.83	-0.20
115	5 ³⁹	1440.8	-1.4	77.88 ✓	-0.80
BASE E	5 ⁵³	1385.8	-1.6/135 1185.	72.23(s)	
		1384.2			

<u>LINE 61 W.</u>					
BASE E	6 ⁰⁰	1383.9		72.23(3)	
LINE 61 W/BLE	6 ⁰⁴	1383.6		72.20	-0.10
155	6 ⁰⁸	1392.1		73.07 ✓	± 0.00
145	6 ¹¹	1399.5		73.83.	± 0.25
135	6 ¹⁴	1409.4	+0.1	74.85. ✓	-0.25
125	6 ¹⁹	1420.5	+0.1	75.98.	± 0.00
115	6 ²²	1431.7	+0.1	77.13	-0.25

ELEVATION	
3400.13	
3431.08	V Shaky
3456.42	✓ Not a good reading - too close to trees
3476.36	These stations are spotted far closer than necessary to trees.
3490.56	Whoever spotted these stations is a confirmed idiot
3504.84	✓
3524.17	✓
3543.29	Blondy idiot D (who spotted the stations)
3558.62	✓
3575.92	Too close to trees
3593.05	Good Lord! someone goofed - this sta is at least 5 feet from a tree
Meter shaken down.	
3685.29	
3669.27	
3657.07	
3641.12	
3624.26	
3607.84	

SEPT. 4th 1964

STA	TIME	READING	DRIFT	CBS GRAVITY	HI
BASE D.	4 ¹⁰	1423.5		75.91(5)	
LINE 49-135 ^R	4 ¹⁷	1429.2		76.50	
✓ - 115 ^R	4 ²²	1442.8	+0.1	77.90 ✓	
- - 55 ^R	4 ³⁰	1502.2		83.97	
LINE 49-161 ^R	4 ³⁸	1568.7		90.77	

BASE LINE 1

50W	4 ⁴¹	1568.8		77 90.78	-0.20
51W	4 ⁴⁴	1567.8		90.68	-0.30
52W	4 ⁵⁰	1568.0	+0.2	90.71	-0.55
53W	4 ⁵²	1570.5		90.96 ✓	+0.10
54W	4 ⁵⁵	1574.2		91.34	+0.10
55W	4 ⁵⁸	1577.1		91.64	-0.70
56W	5 ⁰⁰	1579.4		91.87 ✓	-0.30
LINE 57-161	5 ⁰⁴	1579.2		91.85	-0.90

LINE 57W.

55 ^R	5 ¹⁴	1505.7	+0.3	84.35	
48	5 ¹⁸	1522.6		86.08 ⁰⁷ ✓	
35	5 ²⁴	1540.6		87.92	
25	5 ²⁸	1553.8		89.26	
15	5 ³¹	1566.5		90.56 ✓	

ELEVATION

Windy - Shaky

3370.46

3368.89

3369.77

3368.62

3363.94

3359.21

3355.71

3352.88

3352.73

3481.50

3451.49

3420.92

3396.64

3374.64

No Hub. Windy. V Shaky

✓ Changed Batteries - Shaky. Soisy Creek

✓ Creek beside

STA	TIME	READING	DRIFT	OBS GRAVITY	H.T.
BASE E	6 ³⁵	1386.9			
LINE 61 W / 145 ^R	6 ³⁹	1403.0			
BASE D	6 ⁴⁰	1423.0			
SEPT. 5th 1964.					
LINE 34 W.					
			1456.1 33.5 1422.6		
BASE C	2 ⁵⁵	1456.1		79.34	
L. 34 W / 61.2	3 ⁰³	1443.8	+0.1	78.09	+0.20
175	3 ⁰⁶	1450.8	+0.1	78.81	-0.65
165	3 ⁰⁹	1457.0	+0.2	79.45	-0.15
155	3 ¹²	1465.5	+0.2	80.32	-0.15
145	3 ¹⁴	1474.6	+0.2	81.25	-0.30
135	3 ¹⁷	1483.5	+0.3	82.17	+0.00
125	3 ²⁰	1495.2	+0.3	83.37	-0.50
115	3 ²³	1505.2	+0.4	84.40	-0.15
105	3 ²⁷	1516.0	+0.4	85.50 85.54	-0.75
95	3 ³¹	1526.9	+0.5	86.63	-0.30
85	3 ³³	1538.4	+0.5	87.80 87.81	-0.40
75	3 ³⁷	1550.7	+0.5	89.06	-0.65
65	3 ⁴⁰	1562.8	+0.6	90.31	-0.25
55	3 ⁴³	1572.5	+0.6	91.30	-0.75
45	3 ⁴⁹	1584.6	+0.7	92.54 92.55	-0.40

[illegible]

STA	TIME	READING	DRIFT	OBS. GRAVITY	H. I.
35	3 ⁵²	1595.5	+0.7	93.66.✓	±0.00
25	3 ⁵⁶	1605.6	+0.8	^{94.70} 94.71	-0.10
15	3 ⁵⁹	1617.8	+0.8	95.95.✓	+0.50
<u>BASE LINE 1.</u>					
LINE 34W	4 ⁰³	1635.0	+0.9	97.72.	-0.70
35W	4 ⁰⁶	1628.1	+0.9.	97.02.	-0.40
36W	4 ¹⁰	1620.9	+0.9	96.28	-0.50.
37W	4 ¹³	1616.0	+1.0.	95.79.	-0.20
38W	4 ¹⁶	1612.2	+1.0.	95.40	-0.50
39W	4 ²⁰	1605.0	+1.1	94.68.	-1.05
40W	4 ²²	1597.7	+1.1.	93.93.	±0.00
41W	4 ²⁵	1593.0	+1.1	93.45.	+0.10
LINE 42W ^R	4 ²⁸	1587.0	+1.2.	92.85.	-0.10
	4 ³³	1586.8	+1.2.	92.82.	
65 ^R	4 ⁴¹	1514.4	+1.3.	85.43.	
115 ^R	4 ⁴⁸	1459.4	+1.4.	79.82	
BASE D	4 ⁵⁵	1421.1	+1.5/120 125	75.91(8)	
		1422.6			

3327.98	
3308.53	Good Outcrop
3285.98	
3257.56	
3268.77	
3280.70	
3289.34	
3296.47	20' W of Creek
3309.00	Rain
3319.35	
3327.16	
3337.33	

SEPT 6th 1964

STA	TIME	READING	DRIFT	OBS GRAVITY	HI
<u>LINE 61 W</u>					
BASE D	4 ⁰⁴	1421.4	-10.22	75.92	
LINE 61 W/BLE	4 ¹²	1385.6	-0.1	72.25	-0.10
175	4 ¹⁷	1381.1	-0.1	71.79	-0.15
185	4 ¹⁹	1376.4	-0.2	71.29	+0.05
195	4 ²¹	1373.2	-0.2	70.97	-0.55
205	4 ²⁴	1368.6	-0.2	70.50	-0.15
215	4 ²⁶	1364.6	-0.2	70.09	+0.00
225	4 ²⁹	1362.2	-0.3	69.83	-0.20
235	4 ³²	1357.7	-0.3	69.37 ³⁸	-0.25
245	4 ³⁴	1351.4	-0.3	68.73	+0.00
255	4 ³⁷	1346.6	-0.4	68.23	-0.30
265	4 ³⁹	1339.6	-0.4	67.51	+0.10
275	4 ⁴¹	1343.9	-0.4	67.95	-0.25
285	4 ⁴³	1350.1	-0.4	68.59	-0.10
295	4 ⁴⁶	1359.0	-0.5	69.49	-0.30
305	4 ⁴⁹	1357.0	-0.5	69.28	+0.00
BL-3	4 ⁵²	1354.9	-0.5	69.07	-0.20
<u>BASE LINE 3</u>					
LINE 57 W	4 ⁵⁶	1367.1	-0.6	70.33	-0.15
48 W	4 ⁵⁹	1359.7	-0.6	69.55	+0.40
49 W	5 ⁰²	1358.2	-0.6	69.39	

35

ELEVATION

3685.29

3695.89

3704.72

3712.31

3720.54

3727.07

Shaky

3732.58

3740.12

3751.65

3759.66

3771.63

3766.30

3756.61

3743.97

) Swamp

3745.94

3749.83

* No Hub

STA	TIME	READING	DRIFT	OBS. GRAVITY	H. I.
50W	5 ⁰⁴	1358.0	-0.7	69.36	+0.00
LINE 61W R.	5 ⁰⁷	1355.0	-0.7	69.06 ✓	-0.20
52W	5 ¹⁰	1356.7	-0.7	69.23	+0.00
LINE 65W	5 ¹⁴	1358.4	-0.8	69.39	-0.85
<u>LINE 65 W</u>					
30S	5 ¹⁶	1355.7	-0.8	69.12 ✓	-0.20
29S	5 ²⁰	1346.8	-0.8	68.21	
28S	5 ²³	1337.1	-0.9	67.21	-0.40
27S	5 ²⁶	1331.1	-0.9	66.59 ⁶⁰ ✓	-0.35
26S	5 ²⁸	1335.7	-0.9	67.06	-0.60
24S	5 ³¹	1341.6	-1.0	67.66 ✓	+0.40
23S	5 ³³	1348.9	-1.0	68.40	-0.10
22S R.	5 ³⁶	1353.0	-1.0	68.82 ⁸³ ✓	-0.70
BASE E	5 ⁴³	1386.5	-1.1/99 1111	72.23(5)	
		1385.4			
<u>LINE 69 W.</u>					
BASE E	5 ⁴⁷	1386.5			
22SR	5 ⁵⁷	1349.3		68.43.	-0.80
23S	5 ⁵⁹	1349.3	-0.1	68.42 ✓	-0.75
24S	6 ⁰⁴	1348.2	-0.1	68.31	-0.40
25S	6 ⁰⁸	1343.7	-0.1	67.85 ✓	-0.40
36					

ELEVATION

3747.56

3750.58

3747.25 Shaky - edge of swamp.

) Swamp.

No Hub 0.95' below stump.

No Elevations

3749.58

3753.17 Tripod leg broke.

3759.96

STA	TIME	READING	DRIFT	OBS GRAVITY	H. I.
265	6 ¹¹	1338.5	-0.1	67.32	±0.00
275	6 ¹³	1332.0	-0.1	66.65	±0.00
285	6 ¹⁵	1329.5	-0.1	66.40	-0.25
295	6 ¹⁷	1329.0	-0.1	66.35	+0.10
B. LINE 3.	6 ²⁰	1332.8	-0.1	66.73	+0.30

BASE LINE 3.

60W	6 ²²	1334.5	-0.2	66.90	±0.00
59W	6 ²⁴	1335.9	-0.2	67.04	±0.00
58W	6 ²⁷	1342.4	-0.2	67.70	-0.60
57W	6 ²⁹	1346.0	-0.2	68.07	-0.40
56W	6 ³¹	1350.9	-0.2	68.57	-0.35
55W	6 ³³	1354.0	-0.2	68.89	+0.10
54W	6 ³⁶	1358.5	-0.2	69.35	-0.20
R LINE 650/BL3	6 ³⁸	1359.3	-0.2	69.43	
BASE E	6 ⁵³	1386.8	-0.3/66 4.545	72.23(3)	
		1386.5			

3768.25
3779.82
3785.90
3787.24
3783.95

3779.94
3771.32
3766.38
3759.24
3754.00

) In Swamp

72.23
69.43
2.80

BASE F

SEPT 7th 1964

STA	TIME	READING	DRIFT	OBS. GRAVITY	HT.
BASE F	2 ⁰⁶	1623.4			+0.20
BASE E	2 ³⁹	1388.2	-0.29		
BASE F	3 ⁰²	1623.9	+0.08		
BASE E	3 ³⁹	1388.0	+0.13		
BASE F	3 ⁵¹	1623.7			

235.7

At intersection of BL. 1 & Line 69W.

Marked with a tripod. & 3-pickets & a hub.

E-F differences in scale divisions :-

- 1) 235.4(9)
 - 2) 235.7(8)
 - 3) 235.7(1)
- 235.6(8)

It is planned to use this base either alone or with

Base E only.

$$\begin{aligned} \text{Relative Gravity of F: } & \frac{E}{F} = \frac{72.23(3)}{96.32(9)} \text{ milligals} \\ \Delta R = & 24.091 \end{aligned}$$

$$\text{Scale division difference E-F} = \frac{235.6(8)}{}$$

$$\Rightarrow \text{instrument } 1R = 1.022191 \text{ mgal/division}$$

STA	TIME	READING	DRIFT	CBS L'AV. 77	HI
<u>LINE 6 SW</u>					
10N	2 ⁵⁹	1804.9	-0.7	114.81	+0.20
9N	3 ²²	1782.9	-0.7	112.56 ⁵⁵⁴	-0.25
8N	3 ⁰⁶	1758.0	-0.8	110.00	+0.20
7N	3 ¹⁰	1730.8	-0.8	107.22	+0.10
6N	3 ¹⁴	1710.9	-0.9	105.17 ¹⁷ 105.184	-0.20
5N	3 ¹⁸	1686.6	-0.9	102.69	-0.50
4N	3 ²²	1665.8	-1.0	100.56✓	+0.30
3N	3 ²⁵	1644.5	-1.0	98.38	+0.00
2N	3 ²⁶	1626.1	-1.1	96.49	-0.10
1N	3 ³¹	1612.0	-1.1	95.05✓	-0.10
BL 1/16 SW ^R	3 ³⁴	1598.2	-1.1	93.64	
BASE F	3 ³⁹	1624.6	-12/97 1237	96.32(4)	

<u>BASE</u>	<u>LINE</u>	<u>1</u>			
BASE F	3 ⁷⁴	16246		96.32(4)	
LINE 73 W	3 ⁵¹	1679.0		101.89	-0.50
74	3 ⁵⁴	1691.2		103.13	-0.10
75	3 ⁵⁷	1702.0		104.24	-0.15
76	4 ⁰⁰	1714.9		105.55	+0.20
LINE 77 W	4 ⁰³	1733.9		107.50	+0.00

[illegible]

STA	TIME	READING	DRIFT	OBS. GRAVITY	H.E.
<u>LINE 77W</u>					
15	4 ⁰⁷	1716.3		105.70	+0.10
25	4 ¹⁰	1701.0		104.13 ✓	+0.10
35	4 ¹⁴	1663.5		102.34	+0.20
45	4 ¹⁷	1667.1		100.67	+0.20
55	4 ²⁰	1653.4		99.27 ✓	+0.10
65	4 ²³	1640.2		97.92	+0.50
75	4 ²⁶	1627.8		96.65	+0.20
85	4 ²⁹	1616.1		95.46	+0.10
95	4 ³²	1603.0		94.12 ✓	+0.50
105	4 ³⁴	1592.1		93.00	0.00
115	4 ³⁷	1578.4		91.60	-0.50
125	4 ⁴⁰	1565.5		90.28 ✓	0.00
135	4 ⁴⁶	1551.0		88.80	0.00
145	4 ⁵⁰	1536.9		87.36	-0.20
155	4 ⁵³	1524.4		86.08 ✓	0.00
BL-2	4 ⁵⁶	1518.1		85.44	0.10
<u>BASE LINE 2</u>					
74W	5 ⁰²	1497.7		83.35 ✓	-0.65
73W	5 ⁰⁵	1483.4		81.89	+0.10
72W	5 ⁰⁷	1476.0		81.13	-0.45

ELEVATION					
3107.46					
3134.37		Shaky	-	Trees	
3163.24					
3191.57					
3216.12					
3238.50					
3260.73					
3281.03					
3303.24					
3323.07					
3346.05					
3367.97		Tripod	probe		
3391.69					
3415.50					
3437.96					
3448.19					
3483.18					
3507.45					
3524.41		Shaky			

[illegible][illegible]

SEPT. 29th 1964

STA	TIME	READING	DRIPT	OBS GRAVITY	HI
<u>LINE 24W</u>					
BASE B	3 ¹⁶	1554.1		87.568	
12S	3 ²⁹	1531.3		85.24	+0.50
11S	3 ³⁰	1548.3		86.98	+0.30
10S	3 ³⁵	1562.8		88.46	+0.30
9S	3 ³⁷	1581.6		90.38 90.40	+0.40
8S	3 ³⁹	1596.4		91.89	+0.30
7S	3 ⁴²	1610.6		93.34	+0.10
6S	3 ⁴⁶	1619.6	-0.1	94.25	+0.70
5S	3 ⁴⁹	1631.2		95.40	+0.45
4S	3 ⁵²	1646.0		96.95	-0.10
3S	3 ⁵⁴	1659.9		98.37	-0.10
2S	3 ⁵⁷	1672.6		99.67	+0.20
1S	3 ⁵⁹	1688.8		101.33	-0.40
turn N BL	4 ⁰⁰	1705.1		102.99	-0.30

BASE LINE

LINE 34W ^R	4 ¹⁸	1654.8		97.76 97.85	-0.20
33W	4 ²⁰	1661.6		98.55	+0.10
L 32W	4 ²²	1669.5		99.35	0.00
31W	4 ²⁴	1673.1		99.72	-0.30
L 30W	4 ²⁷	1678.9		100.31	-0.50
29W	4 ³⁰	1685.9		101.03	0.00

ELEVATION

3386.86

3361.57

3335.96

3319.52

3297.09

3272.47

3247.64

3221.96

3192.98

3165.01

Windy Skies

3256.86

3245.25

3231.41

3224.27

3214.05

3204.20

[illegible]

ELEVATION		
3194.36		
3190.20		
3180.15		
3171.74		
3165.01		
3156.02		
3145.97	Too Close to trees.	
3135.52	Far	✓ ✓
3120.60		
3108.17		
3097.64		
3092.55	Too close to trees	
3080.84		✓
3063.84		bad study.
3052.20		

Base B 3435.73

HI .90

Base C 3573.90

HI 1.25

Temp Bases

Line	24 W	16 N
"	32 W	15 N
"	16 W	15 N
"	8 W	15 N
"	4 W	8 N

May 16	Time	Rds	diff	1-17	✓
(16N)	9:20	216.1		7"	95.49
"	9:28	215.7		7"	
"	9:38	215.4		7"	
"	9:51	214.6		7"	
"	9:54	214.6		7"	
"	9:57	214.6		7"	
17 N	10:06	224.3		12"	96.50
18 N	10:00	236.3	-1	11"	97.73
19 N	10:15	254.8	-1	6"	99.66
20 N	10:20	268.8	-1	14"	101.12
21 N	10:26	280.7	-1	17"	102.36
22 N	10:30	292.6	-1	16"	103.58
23 N	10:36	302.2	-2	15"	104.57
24 N	10:43	315.9	-2	13" 15"	105.99
25 N	10:49	330.1	-2	5"	107.47
26 N	10:53	339.6	-2	14"	108.46
27 N	11:00	352.3	-3	16"	109.77
28 N	11:06	363.8	-3	15"	110.96
29 N	11:12	375.7	-3	9"	112.20
25 N	11:19	330.2	-4	5"	107.46
(16N)	11:30	215.0	-4 4201	7"	

93

Reset dial, checked levels
S. adjusted levels

Drift rate far too high

Ground Very Shaky hard to read
tripod settling

Rough terrain
Very loose ground
Keep level
difficult to obtain rdgs
poor ground condition

Line no	Time	Rdg	Drift	HI	
(Line 24 16N)	11:36	215.0		7"	95.49
16N	11:44	219.8		9"	95.99
17A	11:51	228.7	Wrong sta.	17"	97.53
17N	11:55	234.2 +1		15"	97.53
18N	12:00	249.3 +1		14"	99.06
19N	12:05	263.0 +2		16"	100.50
20N	12:10	278.3 +2		14"	102.09
21N	12:16	289.1 +2		15"	103.21
22N	12:22	300.6 +2		15"	104.40
23N	12:26	313.9 +3		13"	105.80
24N	12:31	325.4 +3		14"	106.99
25N	12:36	337.9 +3		12"	108.29
26N	12:41	350.0 +3		14"	109.55
27N	12:46	361.8 +3		13"	110.77
28N	12:51	371.1 +4		7"	111.75
29N	12:56	382.5 +4		12"	112.93
25N	1:05	337.8 +5		12"	108.30
(16N)	1:20	214.5 +5 104		7"	

May 17					
Line 8	Time	Rdg	Dust	O.G.	O.
(15N)	9:24	244.4		98.31	6"
"	9:28	244.6		98.31	
16N	9:31	253.7		99.25	15"
17N	9:35	267.6		100.70	12"
18N	9:39	282.1		102.21	8"
19N	9:43	290.8	+1	103.12	12"
20N	9:47	297.9	+1	103.86	13"
21N	9:51	307.0	+1	104.80	12"
22N	9:55	317.3	+1	105.87	12"
23N	9:59	328.1	+1	107.00	14"
24N	10:04	345.2	+2	108.78	13"
25N	10:08	350.9	+2	109.79	13"
26N	10:11	360.6	+2	110.38	15"
27N	10:16	368.1	+2	111.16	15"
28N	10:20	372.5	+2	111.62	16"
29N	10:24	378.3	+2	112.22	13"
30N	10:27	381.8	+2	112.59	13"
23N	10:33	328.0	+3	107.01	14"
(15N)	10:40	244.1	+3 41.67 92	98.31	6"

5.0 Ground is very loose
Hard to level 314 to rd.

May 17	Time	Rdg	Drift	Alt	OC
Line 4					
(15m 48V)	10:44	244.1		6"	98.31
16 N	10:50	257.3	+1	10"	99.69
17 N	10:56	267.8	wrong std	15"	101.09
17 N	11:00	270.7	+2	8"	101.09
18 N	11:04	277.6	+3	10"	101.82
19 N	11:08	282.9	+4	10"	102.38
20 N	11:12	290.9	+5	14"	103.22
21 N	11:16	306.4	+6	12"	104.85
22 N	11:21	323.5	+7	7"	106.63
23 N	11:25	334.7	+8	12"	107.81
24 N	11:28	344.7	+9	15"	108.86
25 N	11:33	350.1	+10	12"	109.43
26 N	11:37	357.4	+10	16"	110.19
27 N	11:40	364.2	+10	14"	110.89
28 N	11:46	372.9	+11	13"	111.81
29 N	11:49	379.4	+12	14"	112.49
20 N	11:58	290.5	+13		103.26
(15m)	12:15	242.7	+14 11.4.1538	6"	98.31

Shaky
Windy

Shaky soft

10" 83

11" 92

5" 42

May 17

Line	Time	Rdg	Dist	HL	G.C.
(line 8) 15m	12:25	242.6		6"	98.31
16N	12:35	240.4		14"	98.08
17N	12:39	252.4		15"	99.33
18N	12:43	265.8		00	100.72
19N	12:47	277.9		13"	101.98
20N	12:51	287.9		14"	103.02
21N	12:55	299.4		14"	104.21
22N	12:58	312.9	-1	12"	105.52
23N	1:03	323.2	-1	8"	106.67
24N	1:07	334.3	-1	5"	107.83
25N	1:11	346.3	-1	13"	109.07
26N	1:15	354.7	-1	12"	109.90
27N	1:20	361.8	-1	12"	110.68
28N	1:24	367.7	-1	4"	111.30
29N	1:27	375.3	-1	8"	112.09
30N	1:31	382.8	-1	12"	112.87
(15m)	1:52	242.7	0.1 81	6"	98.31
(25N)	2:00	346.4		12"	109.08
(15m)	2:10	242.7	0	6"	98.31

May's	Time	Rds	Diff	45	O.G.
Liner 6	2:28				
(15N 20)	11:05	217.8		7"	95.49
16N	11:12	241.5	+1	12"	97.96
17N	11:16	257.0	+1	13"	99.57
18N	11:20	272.1	+1	7"	101.14
19N	11:24	284.9	+2	10"	102.48
20N	11:27	294.6	+2	6"	103.49
21N	11:32	307.6	+2	8"	104.84
22N	11:37	317.6	+2	12"	105.88
23N	11:41	328.3	+3	15"	107.00
24N	11:45	339.8	+3	12"	108.20
25N	11:49	348.7	+3	16"	109.12
26N	11:54	355.8	+4	16"	109.87
27N	11:58	365.5	+4	16"	110.88
28N	12:01	375.4	+4	12"	111.91
(15N)	12:23	217.2	+6, 7692 78	7"	
21N	12:31	307.5		8"	
(15N)	12:41	217.1		7"	95.49

Line 26	Time	Rdg	Drift	Alt	Obs
(15N)	12:41	217.1		7"	95.49
16N	12:46	223.5		12"	96.15
17N	12:50	232.8		8"	97.12
18N	12:56	250.9	+1	8"	99.01
19N	1:01	266.3	+1	8"	100.61
20N	1:05	278.7	+1	8" 12"	101.90
21N	1:10	290.2	+1	10"	103.10
22N	1:15	299.8	+2	12"	104.10
23N	1:20	312.2	+2	12"	105.39
24N	1:25	325.2	+2	15"	106.74
25N	unable to read				
26N	1:37	353.0	+3	13"	109.64
27N	1:42	369.8	+3	10"	111.39
28N	too	50 ft	unable to read		
22N	1:52	299.7	+3		
(15N)	2:02	216.7	⁴ 8' 4938		95.49

Very Soft
Aurora
82

Damn
Mosquitoes