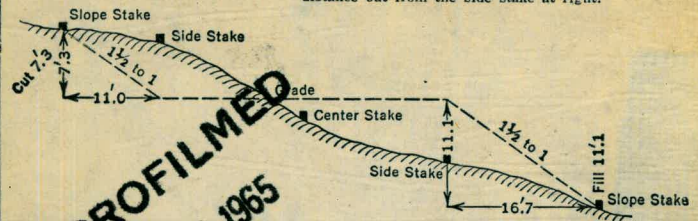


M.B.105

MB No 105

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING
 Roadway of any Width. Side Slopes 1½ to 1.

In the figure below: opposite 7 under "Cut or Fill" and under .3 read 11.0, the distance out from the side stake at left. Also, opposite 11 under "Cut or Fill" and under .1 read 16.7, the distance out from the side stake at right.



MICROFILMED
JAN 8 1965

Cut or Fill	Distance out from Side or Shoulder Stake									Cut or Fill	
	.1	.2	.3	.4	.5	.6	.7	.8	.9		
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

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PAGES

INDEX

DATE

1-77 SOUNDINGS NELY. AREA MISSION BAY

2-7-58

(See MB102)
" " " 96
1-24-58 W.O. 64501
W123+00: 0+00=N.14.400; SOUND SOUTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00	2.4	+2.5	(49)	3.0	+1.9
(49)	2.4		2+00	4.0	+0.9
<u>9.50</u>	2.4			5.1	0.2
~	2.4			7.1	2.2
	2.4			9.8	4.9
50	2.4	+2.5		11.2	6.3
	2.5	+2.4	50	11.6	6.7
	2.5	~		11.8	6.9
	2.5	+2.4		11.9	7.0
	2.3	+2.6		12.3	7.4
1+00	2.2	+2.7		12.8	7.9
	2.5	+2.4	3+00	13.0	8.1
	2.4	+2.5		13.5	8.6
	2.4	+2.5		14.2	9.3
	2.3	+2.6		14.3	9.4
50	2.3	~		14.9	10.0
	2.3	+2.6	50	15.2	10.3
	2.4	+2.5		15.5	10.6
	2.4	+2.5		15.7	10.8

W123+00 SOUTH ①

Dist	Sound	Elev	Dist	Sound	Elev
(49)	15.9	11.0			
	15.7	10.8	0+10	2.4	+2.6
4+00	15.3	10.4	(50)	2.3	+2.7
	14.8	9.9	<u>9.58</u>	2.7	+2.3
	14.7	9.8	~	2.6	+2.4
	14.4	9.5	50	2.6	
	13.4	8.5		2.6	
50	12.6	7.7		2.6	+2.4
	11.1	6.2		2.7	+2.3
<u>9.55</u>	9.9	5.0		2.7	
~	7.7	2.8	1+00	2.7	+2.3
	6.7	1.8		2.6	+2.4
5+00	5.8	0.9		2.5	+2.5
	5.2	0.3		2.5	
	5.2	0.3		2.5	+2.5
	5.0	0.1	50	2.6	+2.4
	5.2	0.3		2.4	+2.6
50	5.0	0.1		2.3	+2.7
				2.3	
				2.3	+2.7

W. 123+00 CONTD NORTH			NORTH		
Dist	Sound	Elev	Dist	Sound	Elev
2+00	2.2	+2.8	4+00	2.7	+2.3
(50)	2.2		(50)	2.8	+2.2
<u>1000</u>	2.2			2.8	
	2.2			2.8	+2.2
	2.2	+2.8		3.0	+2.0
50	2.3	+2.7	50	3.1	+1.9
	2.3			3.0	+2.0
	2.3			3.0	
	2.3			3.0	
	2.3	+2.7		3.0	
3+00	2.4	+2.6	5+00	3.0	+2.0
	2.4			3.1	+1.9
	2.4			3.2	+1.8
	2.4	+2.6		3.2	+1.8
	2.3	+2.7		3.3	+1.7
50	2.4	+2.6	50	3.3	+1.7
	2.4	+2.6		3.4	+1.6
	2.5	+2.5		3.4	+1.6
	2.6	+2.4		3.3	+1.7
	2.7	+2.3		3.5	+1.5

W. 123+00; NORTH 1-24-58			②		
Dist	Sound	Elev	Dist	Sound	Elev
6+00	3.6	+1.4	8+00	3.9	+1.1
(50)	3.8	+1.2	(50)	3.9	+1.1
	3.8			3.8	+1.2
	3.8		<u>1003</u>	3.7	+1.3
	3.8		<u>1003</u>	3.7	+1.3
50	3.8	+1.2	50	3.8	+1.2
	3.9	+1.1		3.8	+1.2
	3.9	+1.1		3.8	+1.2
	3.8	+1.2		3.8	+1.2
	3.8			3.7	+1.3
7+00	3.8	+1.2	9+00	3.7	+1.3
	3.9	+1.1		3.6	+1.4
	3.9			3.5	+1.5
	3.9	+1.1		3.5	+1.5
	3.8	+1.2		3.4	+1.6
50	3.8	+1.2	50	3.4	+1.6
	3.9	+1.1		3.4	+1.6
	3.9			3.5	+1.5
	3.9			3.4	+1.6
	3.9	+1.1		3.4	+1.6

W. 123+00; NORTH			1-24-58		
Dist	Sound	Elev	Dist	Sound	Elev
10+00	3.4	+1.6	12+00	3.1	+1.9
(50)	3.4	+1.6	(30)	3.0	+2.0
	3.4	+1.6		3.0	
	3.4	+1.6		3.0	
	3.3	+1.7		3.0	+2.0
50	3.3		50	2.9	+2.1
	3.3	+1.7		2.8	+2.2
	3.2	+1.8		2.9	+2.1
	3.2			2.9	+2.1
	3.2			2.8	+2.2
11+00	3.2		13+00	3.0	+2.0
	3.2	+1.8		2.9	+2.1
	3.1	+1.9		2.9	
	3.1			2.9	
	3.1			2.9	+2.1
50	3.1		50	2.8	+2.2
	3.1	+1.9		2.8	+2.2
	3.0	+2.0		2.7	+2.3
	3.0			2.7	
	3.0	+2.0		2.7	+2.3

W. 123+00 NORTH			(3)
Dist	Sound	Elev	
14+00	2.6	+2.4	
(50)	2.5	+2.5	
	2.4	+2.6	
<u>10.05</u>	2.3	+2.7	
	2.2	+2.8	
50	2.1	+2.9	
	2.0	+3.0	
	2.0	+3.0	
	1.8	+3.2	
	1.1	+3.9	
15+00	0.9	+4.1	
	0.7	+4.3	
Lath N15920	0.5	+4.5	
(Cont'd N. M.B. 102, P. 924)			

1-24-58
W122+00; 0+00 = N14, 400; SOUND SOUTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00	2.9	+2.1	(50)	5.3	0.3
(50)	3.0	+2.0	2+00	8.2	3.2
<u>10/15</u>	2.9	+2.1		10.0	5.0
	2.7	+2.3		11.8	6.8
	2.7	+2.3		12.8	7.8
50	3.0	+2.0		12.8	7.8
	2.9	+2.1	50	13.0	8.0
	3.0	+2.0		13.0	8.0
	3.0	+2.0		13.4	8.4
	2.8	+2.2		13.9	8.9
1+00	2.8	+2.2		14.5	9.5
	2.9	+2.1	3+00	15.1	10.1
	2.7	+2.3		15.3	10.3
	2.7			15.6	10.6
	2.7			16.0	11.0
50	2.7			16.1	11.1
	2.7	+2.3	50	16.1	11.1
	3.3	+1.7		15.0	10.0
	4.2	+0.8		14.8	9.8

W122+00; SOUTH
Dist Sound Elev Dist Sound Elev

Dist	Sound	Elev	Dist	Sound	Elev
(5)	14.5	9.4		SOUND NORTH	
	14.3	9.2	0+10	3.0	+2.1
4+00	13.9	8.8	(5)	3.0	-
	13.5	8.4	<u>10:25</u>	3.0	+2.1
	12.7	7.6		2.9	+2.2
<u>10:20</u>	11.3	6.2	50	2.8	+2.3
	10.2	5.1		2.8	+2.3
50	9.9	4.8		3.0	+2.1
	9.7	4.6		3.0	
	9.1	4.0		3.0	
	9.0	3.9	1+00	3.0	
	9.0	3.9		3.0	
5+00	8.9	3.8		3.0	
	8.8	3.7		3.0	
	8.8	-		3.0	
	8.8	3.7	50	3.0	+2.1
	7.9	2.8		2.8	+2.3
50	6.7	1.6		3.1	+2.0
	6.0	0.9		3.0	+2.1
	5.8	0.7		3.0	+2.1
	5.8	0.7		3.0	+2.1

W. 122+00 NORTH			1-24-58		
Dist	Sound	Elev	Dist	Sound	Elev
2+00	3.0	+2.1	4+00	3.3	+1.8
(5)	3.0	}	(5)	3.2	+1.9
	3.0		<u>1027</u>	3.4	+1.7
	3.0			3.6	+1.5
	3.0			3.9	+1.2
50	2.8		+2.3	50	3.7
	2.8	}		3.9	+1.2
	2.8			3.8	+1.3
	2.8		+2.3	3.9	+1.2
	3.0	+2.1		4.1	+1.0
3+00	3.1	+2.0	5+00	4.0	+1.1
	3.1	~		4.0	+1.1
	3.1	+2.0		4.3	+0.8
	3.0	+2.1		4.4	+0.7
	3.2	+1.9		4.4	}
50	3.2	+1.9	50	4.4	
	3.0	+2.1		4.4	+0.7
	3.2	+1.9		4.3	+0.8
	3.3	+1.8		4.3	~
	3.3	+1.8		4.3	+0.8

W. 122+00 NORTH			⑤		
Dist	Sound	Elev	Dist	Sound	Elev
6+00	4.6	+0.5	8+00	4.0	+1.1
(5)	4.5	+0.6	(5)	4.0	}
	4.4	+0.7		4.0	
	4.4	~		4.0	
	4.4	+0.7		4.0	
50	4.3	+0.8	50	4.0	
	4.6	+0.5		4.0	
	4.6	+0.5		4.0	+1.1
	4.7	+0.4		3.8	+1.3
	4.5	+0.6		4.1	+1.0
7+00	4.3	+0.8	9+00	4.0	+1.1
	4.2	+0.9		4.0	}
	4.2	+0.9		4.0	
	4.0	+1.1		4.0	
	4.0	+1.1		4.0	+1.1
50	4.2	+0.9	50	3.8	+1.3
	4.3	+0.8		3.8	}
	4.2	+0.9		3.8	
	4.0	+1.1		3.8	
	4.0	+1.1		3.8	

W. 122+00 NORTH			1-24-58		
Dist	Sound	Elev	Dist	Sound	Elev
10+00	3.8	+1.3	12+00	3.2	+1.9
(51)	3.8	~	(51)	3.1	+2.0
1030	3.8	+1.3		3.0	+2.1
	4.0	+1.1		3.0	+2.1
	3.6	+1.5		3.1	+2.0
50	3.5	+1.6	50	3.1	
	3.7	+1.4		3.1	
	3.7	+1.4		3.1	+2.0
	3.6	+1.5		3.0	+2.1
	3.7	+1.4		3.0	~
11+00	3.6	+1.5	13+00	3.0	+2.1
	3.7	+1.4		2.9	+2.2
	3.4	+1.7		2.8	+2.3
	3.4	+1.7		2.8	+2.3
	3.2	+1.9		3.0	+2.1
50	3.1	+2.0	50	3.0	+2.1
	3.1	+2.0		2.9	+2.2
	3.2	+1.9		2.8	+2.3
	3.0	+2.1		3.0	+2.1
	3.3	+1.8		3.0	+2.1

W. 122+00 NORTH			⑥		
Dist	Sound	Elev	Dist	Sound	Elev
14+00	3.0	+2.1			
(51)	2.8	+2.3			
	2.7	+2.4			
	2.4	+2.7			
	2.4	+2.7			
50	2.7	+2.4			
	2.8	+2.3			
	2.4	+2.7			
	2.3	+2.8			
	2.3	+2.8			
15+00	2.2	+2.9			
	2.0	+3.1			
	2.0	+3.1			
1033	1.8	+3.3			
	1.5	+3.6			
50	1.0	+4.1			
	0.5	+4.6			
	0.3	+4.8			
Lot # N15980	0.0	+5.1 (cont'd N. N.B. 102, Pg. 24)			

1-24-58
 W121400; 0+00=N14400; SOUND SOUTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00	3.5	+1.7	(52)	11.0	5.8
(52)	3.4	+1.8	2+00	11.9	6.7
10.45	3.4	+1.8		12.7	7.5
<u> </u>	3.3	+1.9		14.2	9.0
	3.3			15.1	9.9
50	3.3			15.2	10.0
	3.3	+1.9	50	15.2	10.0
	3.5	+1.7		15.3	10.1
	3.4	+1.8		15.7	10.5
	3.3	+1.9		16.0	10.8
1+00	3.4	+1.8		16.2	11.0
	3.3	+1.9	3+00	16.2	11.0
	3.2	+2.0		15.8	10.6
	3.2	+2.0		15.8	10.6
	3.3	+1.9		15.8	10.6
50	4.5	+0.7		15.6	10.4
	5.6	0.4	50	15.2	10.0
	8.1	2.9		14.9	9.7
	9.8	4.6		14.8	9.6

W121400 SOUTH
 Dist Sound Elev

Dist	Sound	Elev	Dist	Sound	Elev
(52)	14.6	9.4			
	13.8	8.6	0+10	3.5	+1.7
4+00	11.9	6.7	(52)	3.4	+1.8
	9.7	4.5	10.53	3.3	+1.9
	8.3	3.1	<u> </u>	3.4	+1.8
	8.1	2.9	50	3.4	
	8.0	2.8		3.4	
50	8.0	—		3.4	
	8.0	2.8		3.4	+1.8
	9.2	4.0		3.5	+1.7
	9.9	4.7	1+00	3.5	
	10.1	4.9		3.5	
5+00	10.0	4.8		3.5	
				3.5	+1.7
				3.4	+1.8
			50	3.4	+1.8
				3.3	+1.9
				3.3	+1.9
				3.2	+2.0
				3.3	+1.9

W/21+00 SOUTH			1-24-58			W/21+00 NORTH			⑧		
Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev
2+00	3.7	+1.5	4+00	4.2	+1.0	6+00	4.7	+0.5	8+00	4.1	+1.1
(5.2)	3.5	+1.7	(5.2)	4.3	+0.9	(5.2)	4.7	~	(5.2)	4.0	+1.2
<u>10:56</u>	3.5	~		4.4	+0.8		4.7	+0.5		4.0	+1.2
	3.5	+1.7		4.5	+0.7		4.6	+0.6		3.9	+1.3
	3.8	+1.4		4.6	+0.6		4.4	+0.8		3.9	~
50	3.7	+1.5	50	4.7	+0.5	50	4.4		50	3.9	+1.3
	3.6	+1.6		4.7	+0.5	11:00	4.4			4.0	+1.2
	3.5	+1.7		4.8	+0.4		4.4			4.0	
	3.5			4.9	+0.3		4.4	+0.8		4.0	
	3.5			4.9	+0.3		4.3	+0.9		4.0	+1.2
3+00	3.5	+1.7	5+00	4.7	+0.5	7+00	4.3		9+00	3.9	+1.3
	3.4	+1.8		4.7	+0.5		4.3			3.8	+1.4
	3.4	+1.8		4.7	+0.5		4.3			3.8	
	3.8	+1.4		4.8	+0.4		4.3			3.8	
	3.9	+1.3		4.8	+0.4		4.3	+0.9		3.8	
50	3.9	+1.3	50	4.8		50	4.4	+0.8	50	3.8	+1.4
	4.0	+1.2		4.8			4.3	+0.9		3.7	+1.5
	4.0	+1.2		4.8			4.2	+1.0		3.6	+1.6
	4.1	+1.1		4.8	+0.4		4.1	+1.1		3.3	+1.9
	4.1	+1.1		4.7	+0.5		4.0	+1.2		3.3	+1.9

W121+00 NORTH			1-24-58		
Dist	Sound	Elev	Dist	Sound	Elev
10+00	3.4	+1.8	12+00	3.1	+2.1
(52)	3.5	+1.7	(52)	3.1	+2.1
	3.6	+1.6		3.0	+2.2
	3.5	+1.9		3.0	+2.2
	3.5	~	1103	2.9	+2.3
50	3.5	+1.7	50	2.9	+2.3
	3.6	+1.6		2.9	+2.3
	3.5	+1.7		2.9	+2.3
	3.6	+1.6		3.0	+2.2
	3.6	+1.6		3.0	+2.2
11+00	3.5	+1.7	13+00	3.0	+2.2
	3.4	+1.8		2.9	+2.3
	3.3	+1.9		2.9	+2.3
	3.3			2.8	+2.4
	3.3			2.8	~
50	3.3		50	2.8	+2.4
	3.3			2.7	+2.5
	3.3	+1.9		2.6	+2.6
	3.2	+2.0		2.7	+2.5
	3.1	+2.1		2.8	+2.4

W121+00 NORTH			⑨		
Dist	Sound	Elev	Dist	Sound	Elev
14+00	2.8	+2.4			
(52)	2.8	~			
	2.8	+2.4			
	2.7	+2.5			
	2.7	+2.5			
50	2.6	+2.6			
	2.5	+2.7			
	2.4	+2.8			
	2.4	+2.8			
	2.6	+2.6			
15+00	2.6	+2.6			
	2.4	+2.8			
	2.3	+2.9			
	2.2	+3.0			
	2.1	+3.1			
50	2.0	+3.2			
	1.7	+3.5			
	1.1	+4.1			
	0.8	+4.4			
	0.5	+4.7			

Lat N15990 (cont'd. N. NB102, Pg. 25)

1-24-58						W120+00 NORTH					
W120+00: 0+00 = N. 14400: SOUND SOUTH						Dist Sound Elev Dist Sound Elev					
						(52)	11.0	5.8	(32)	4.5	+0.7
0+00	4.4	+0.8	(52)	15.9	10.7	11/20	9.3	4.1		4.5	~
(52)	4.5	+0.7	2+00	15.7	10.5	4+00	8.8	3.6		4.5	+0.7
11/16	4.5			15.2	10.0		8.3	3.1	1+00	4.7	+0.5
~	4.5			15.4	10.2		8.1	2.9		4.7	+0.5
	4.5			15.8	10.6		8.1	~		4.8	+0.4
50	4.5	+0.7		16.0	10.8		8.1	2.9		4.8	+0.4
	4.6	+0.6	50	16.2	11.0	50	8.0	2.8		4.9	+0.3
	4.7	+0.5		16.1	10.9		7.9	2.7	50	5.0	+0.2
	5.1	+0.1		16.1	~		7.9	~		4.9	+0.3
	5.0	+0.2		16.1	10.9		7.9	2.7		4.7	+0.5
1+00	5.0	~		16.0	10.8		8.1	2.9		4.7	+0.5
	5.0	+0.2	3+00	16.0	10.8	5+00				5.2	0.0
	5.1	+0.1		15.8	10.6	SOUND NORTH		2+00	5.2	~	
	5.9	0.7		15.5	10.3	0+10	4.3	+0.9		5.2	0.0
	8.4	3.2		15.1	9.9		4.4	+0.8		5.3	0.1
50	13.5	8.3		15.1	9.9	14.23	4.4			5.6	0.4
	14.6	9.4	50	14.9	9.7		4.4	+0.8		5.4	0.2
	15.8	10.6		14.7	9.5	50	4.5	+0.7	50	5.3	0.1
	16.3	11.1		12.1	6.9		4.7	+0.5		5.5	0.3

W. 120+00 NORTH			1-24-58		
Dist	Sound	Elev	Dist	Sound	Elev
(52)	5.5	0.3	(52)	5.0	+0.2
11:25	5.4	0.2		5.0	
<u> </u>	5.4	0.2		5.0	
3+00	5.4	0.2	5+00	5.0	
	5.4	0.2		5.0	
	5.4	0.2		5.0	
	5.0	+0.2		5.0	+0.2
	5.0			4.9	+0.3
50	5.0		50	4.9	~
	5.0			4.9	+0.3
	5.0	+0.2		4.7	+0.5
	4.8	+0.4		4.8	+0.4
	4.8	+0.4		4.8	~
4+00	5.0	+0.2	6+00	4.8	+0.4
	5.0			4.9	+0.3
	5.0			4.5	+0.7
	5.0			4.8	+0.4
	5.0			4.7	+0.5
50	5.0		50	4.5	+0.7
	5.0	+0.2		4.4	+0.8

W. 120+00 NORTH			①		
Dist	Sound	Elev	Dist	Sound	Elev
(52)	4.5	+0.7	(52)	3.9	+1.3
	4.4	+0.8		3.9	
	4.1	+1.1		3.9	
7+00	4.5	+0.7	9+00	3.9	
	4.7	+0.5		3.9	+1.3
	4.0	+1.2	11:30	4.0	+1.2
	4.2	+1.0	<u> </u>	3.9	+1.3
	4.2	+1.0		3.9	
50	4.3	+0.9	50	3.9	
	4.3	~		3.9	+1.3
	4.3	+0.9		3.5	+1.7
	4.5	+0.7		3.6	+1.6
	4.2	+1.0		3.6	+1.6
8+00	4.0	+1.2	10+00	3.6	+1.6
	3.9	+1.3		3.4	+1.8
	4.4	+0.8		3.7	+1.5
	4.1	+1.1		3.2	+2.0
	4.1	+1.1		3.2	+2.0
50	4.1	+1.1	50	3.3	+1.9
	3.9	+1.3		3.3	+1.9

W120+00 NORTH			1-24-58			W120+00 NORTH		
Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev
(52)	3.3	+1.9	(52)	2.8	+2.4	(52)	2.5	+2.7
	3.3			2.8			2.5	~
	3.3			2.8			2.5	+2.7
11+00	3.3	+1.9	13+00	2.8	+2.4	15+00	2.7	+2.5
	3.2	+2.0		2.7	+2.5		2.3	+2.9
	3.2			2.7			2.1	+3.1
	3.2			2.7	+2.5	11:35	2.1	~
	3.2	+2.0		2.6	+2.6		2.1	+3.1
50	3.4	+1.8	50	2.5	+2.7	50	2.3	+2.9
	3.0	+2.2		2.5	+2.7		2.1	+3.1
	3.0	+2.2		2.2	+3.0		2.0	+3.2
	3.2	+2.0		2.2	+3.0		1.8	+3.4
	3.0	+2.2		2.4	+2.8		1.0	+4.2
12+00	3.0		14+00	2.5	+2.7	16+00	1.0	+4.2
	3.0			2.4	+2.8		0.9	+4.3
	3.0			2.4	~	Lath	0.1	+5.1
	3.0			2.4	+2.8	N16020		
	3.0			2.3	+2.9	(cont'd N. MB 102, Pg 25)		
50	3.0		50	2.5	+2.7			
	3.0	+2.2		2.5	+2.7			

W119+00
1-24-58
W119+00; 0+00 = N15, 200; SOUND SOUTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00	3.4	+1.7	(5)	4.4	+0.7
(5)	3.9	+1.2	2+00	4.5	+0.6
<u>1145</u>	4.0	+1.1		4.5	
<u> </u>	4.1	+1.0		4.5	
	4.1			4.5	+0.6
50	4.1			4.6	+0.5
	4.1	+1.0	50	4.7	+0.4
	4.2	+0.9		4.7	~
	4.2	+0.9		4.7	+0.4
	4.1	+1.0		4.8	+0.3
1+00	4.1	+1.0		4.8	~
	4.2	+0.9	3+00	4.8	+0.3
12	4.3	+0.8		4.9	+0.2
	4.3			4.9	
	4.3			4.9	
50	4.3			4.9	
	4.3	+0.8	50	4.9	+0.2
	4.4	+0.7		5.0	+0.1
	4.4	+0.7		5.0	+0.1

W119+00 SOUTH
Dist Sound Elev

Dist	Sound	Elev	Dist	Sound	Elev
(5)	5.0	+0.1	(5)	5.5	0.4
	5.0			5.6	0.5
4+00	5.0		6+00	5.9	0.8
	5.0	+0.1		5.4	0.3
	5.2	0.1	<u>1150</u>	5.5	0.4
	5.2		<u> </u>	5.5	0.4
	5.2			5.6	0.5
50	5.2		50	5.7	0.6
	5.2			5.8	0.7
	5.2			5.8	0.7
	5.2			5.9	0.8
	5.2	0.1		6.1	1.0
5+00	5.3	0.2	7+00	6.0	0.9
	5.3	0.2		6.1	1.0
	5.4	0.3		6.1	1.0
	5.4			6.2	1.1
	5.4			6.3	1.2
50	5.4		50	6.4	1.3
	5.4			6.4	1.3
	5.4	0.3		6.5	1.4

W119+00 SOUTH 1-24-58					
Dist	Sound	Elev	Dist	Sound	Elev
(5)	6.5	1.4	(3)	15.7	10.6
	6.5	1.4		16.0	10.9
8+00	6.5	(10+00	16.2	11.1
	6.5)		16.1	11.0
	6.5	1.4		15.9	10.8
	6.6	1.5		15.7	10.6
	6.8	1.7		15.4	10.3
50	7.2	2.1	50	15.2	10.1
	7.7	2.6		15.1	10.0
	6.7	1.6		15.1	~
	7.2	2.1		15.1	10.0
	7.3	2.2		15.2	10.1
9+00	7.4	2.3	11+00	15.4	10.3
	8.2	3.1		15.5	10.4
	9.9	4.8	1155	15.6	10.5
	12.2	7.1		15.2	10.1
	14.1	9.0		14.5	9.4
50	15.0	9.9	50	10.9	5.8
	15.3	10.2		9.2	4.1
	15.4	10.3		8.7	3.6

W119+00; SOUTH					
Dist	Sound	Elev	Dist	Sound	Elev
(5)	8.3	3.2	(5)	3.7	+1.4
	8.2	3.1		3.8	+1.3
12+00	8.0	2.9		3.5	+1.6
	7.9	2.8	1+00	3.5	+1.6
	7.9	2.8		3.5	+1.6
	8.1	3.0		3.5	+1.6
	8.1	3.0		3.7	+1.4
50	8.0	2.9		3.6	+1.5
			50	3.7	+1.4
				3.7	+1.4
				3.5	+1.6
				3.1	+2.0
				3.1	+2.0
			13+00		
			5000 NORTH	2+00	3.2 +1.9
			0+10	3.4	+1.7
			(5)	3.4	+1.7
			1200	3.5	+1.6
				3.7	+1.4
			50	3.8	+1.3
			50	3.2	+1.9
				3.7	+1.4
				3.1	+2.0

W. 119+00; NORTH 1-24-58

Dist	Sound	Elev	Dist	Sound	Elev
(31)	3.1	+2.0	(50)	2.5	+2.5
	3.1			2.4	+2.6
	3.1		<u>1203</u>	2.4	
3+00	3.1	+2.0	5+00	2.4	
	2.9	+2.2		2.4	
	2.8	+2.3		2.4	
	2.8	+2.3		2.4	+2.6
	2.9	+2.2		2.3	+2.7
50	2.8	+2.3	50	2.3	+2.7
	3.0	+2.1		2.2	+2.8
	2.8	+2.3		2.1	+2.9
	2.8	~		2.1	+2.9
	2.8	+2.3		2.0	+3.0
4+00	2.7	+2.4	6+00	1.9	+3.1
	2.7	+2.4		1.8	+3.2
	2.6	+2.5		1.7	+3.3
	2.7	+2.4		1.7	+3.3
	2.7	~		1.7	
50	2.7	+2.4	50	1.7	
	2.6	+2.5		1.7	+3.3

W. 119+00 NORTH

Dist	Sound	Elev	Dist	Sound	Elev
(50)	1.7	+3.3			
	1.7	+3.3			
	1.6	+3.4			
7+00	1.5	+3.5			
	1.5	+3.5			
	1.4	+3.6			
<u>1205</u>	1.5	+3.5			
	1.4	+3.6			
50	1.2	+3.8			
	1.2	+3.8			
	1.0	+4.0			
	0.7	+4.3			
	1.0	+4.0			
8+00	0.5	+4.5			
^{24th} 116010	0.4	+4.6			
(cont'd N. MB 102, P. 25)					
50			50		

2-4-58

W118+00; 0+00 = N15,200; SOUND SOUTH

W118+00; SOUTH

(16)

DIST	SOUND	ELEV	DIST	SOUND	ELEV	DIST	SOUND	ELEV	DIST	SOUND	ELEV
			(73)	6.8	+0.5	(73)	7.1	+0.2	(73)	8.2	0.9
0+00	6.1	+1.2	(73)	6.8	+0.5		7.2	+0.1		8.2	0.9
(73)	6.1	+1.2	2+00	6.8	+0.5	4+00	7.2	+0.1	6+00	8.3	1.0
<u>9:48</u>	6.1	+1.2		6.9	+0.4		7.3	0.0		8.4	1.1
	6.2	+1.1	<u>9:50</u>	7.0	+0.3		7.4	0.1		8.8	1.5
	6.5	+0.8		6.9	+0.4		7.4	0.1		8.9	1.6
50	6.5	+0.8		6.9	+0.4		7.4	0.1		8.9	1.6
	6.4	+0.7	50	7.0	+0.3	50	7.6	0.3	50	8.9	1.6
	6.4			7.0	+0.3		7.6			8.9	1.6
	6.4			7.0	+0.3		7.6			9.0	1.7
	6.4			7.1	+0.3		7.6	0.3		9.1	1.8
1+00	6.4			7.0	+0.3		7.7	0.4		9.2	1.9
	6.4	+0.7	3+00	7.1	+0.2	5+00	7.9	0.6	7+00	9.3	2.0
	6.7	+0.6		7.1			7.9			9.4	2.1
	6.8	+0.5		7.1			7.9			9.5	2.2
	6.8	+0.5		7.1			7.9			9.6	2.3
50	6.7	+0.6		7.1			7.9	0.6		9.6	2.3
	6.7	+0.6	50	7.1		50	8.0	0.7	50	9.7	2.4
	6.8	+0.5		7.1			8.0	0.7		9.7	2.4
	6.8	+0.5		7.1	+0.2		8.1	0.8		9.7	2.4

W. 118+00 SOUTH			2-4-58		
Dist	Sound	Elev	Dist	Sound	Elev
(72)	9.8	2.6	(72)	17.3	10.1
	9.8		9.55	17.2	10.0
8+00	9.8		10+00	17.1	9.9
	9.8	2.6		17.0	9.8
	9.9	2.7		16.9	9.7
	9.9	2.7		17.0	9.8
	10.0	2.8		17.0	
50	10.2	3.0	50	17.0	
	10.3	3.1		17.0	9.8
	10.4	3.2		16.8	9.6
	11.3	4.1		16.9	9.7
	12.4	5.2		16.7	9.5
9+00	15.0	7.8	11+00	16.7	9.5
	16.1	8.9		16.6	9.4
	16.4	9.2		12.7	5.5
	16.7	9.5		11.0	3.8
	17.3	10.1		10.3	3.1
50	17.9	10.7	50	9.1	1.9
	18.0	10.8		8.3	1.1
	17.7	10.5		8.0	0.8

W. 118+00 SOUTH					
Dist	Sound	Elev	Dist	Sound	Elev
(72)	7.9	0.7	(70)	5.5	+1.3
	7.9	0.7		5.5	+1.5
12+00	7.9	0.7		5.4	+1.6
	7.8	0.6	50	5.4	+1.6
	7.7	0.5		5.4	+1.6
	7.7	0.5		5.3	+1.7
	8.2	1.0	10205	5.2	+1.8
50	8.0	0.8		5.3	+1.7
SOUND NORTH			2+00	5.3	+1.7
	0+10	5.9 +1.1		5.2	+1.8
(70)	5.9			5.1	+1.9
10103	5.9			5.1	
	5.9			5.1	
50	5.9	+1.1	50	5.1	+1.9
	5.8	+1.2		5.0	+2.0
	5.7	+1.3		5.1	+1.9
	5.7	+1.3		5.0	+2.0
	5.6	+1.4		5.0	
1+00	5.5	+1.5	3+00	5.0	
	5.5	+1.5		5.0	+2.0

W. 118+00 CONTO NORTH 2-4-58

Dist Sound Elev. Dist Sound Elev.

(70)	5.0	+2.0	(70)	4.5	+2.5
	5.0	+2.0		4.4	+2.6
	5.0	+2.0		4.3	+2.7
50	4.9	+2.1	50	4.3	
	4.9	+2.1		4.3	
	5.0	+2.0		4.3	+2.7
	4.9	+2.1		4.2	+2.8
	4.9	+2.1		4.3	+2.7
4+00	4.9	+2.1	6+00	4.3	
	4.8	+2.2		4.3	
	4.8	+2.2		4.3	+2.7
	4.7	+2.3		4.2	+2.8
	4.7			4.1	+2.9
50	4.7		50	4.0	+3.0
	4.7	+2.3		4.0	
	4.6	+2.4		4.0	
	4.6			4.0	
	4.6			4.0	+3.0
5+00	4.6		7+00	3.9	+3.1
	4.6	+2.4		3.8	+3.2

W. 118+00 NORTH

Dist Sound Elev. Dist Sound Elev. (28)

(70)	3.7	+3.3			
	3.7				
	3.7				
50	3.7	+3.3	50		
	3.4	+3.6			
	3.3	+3.7			
	3.3	+3.7			
	3.3	+3.7			
8+00	3.2	+3.8	10+00		
	3.2	+3.8			
	3.1	+3.9			
	2.9	+4.1			
	2.4	+4.6			
50	1.6	+5.4	50		
	1.4	+5.6			
	1.2	+5.8			
	1.2	+5.8			
	1.1	+5.9			
11+00	1.0	+6.0	11+00		

(cont'd N.M.B. 102, P. 25)

2-4-58
 W.117+00; 0+00 = N.15,200; SOUND SOUTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00	5.2	+1.6	(68)	6.1	+0.7
(68)	5.5	+1.3	2+00	6.2	+0.6
<u>1018</u>	5.6	+1.2	<u>1020</u>	6.1	+0.7
	5.6	+		6.2	+0.6
	5.6	+		6.3	+0.5
50	5.6	+1.2		6.3	
	5.9	+0.9	50	6.3	
	6.1	+0.7		6.3	+0.5
	6.0	+0.8		6.4	+0.4
	6.0			6.4	+0.4
1+00	6.0			6.4	+0.4
	6.0		3+00	6.6	+0.2
	6.0	+0.8		6.5	+0.3
	5.9	+0.9		6.6	+0.2
50	5.9	+0.9		6.6	+0.2
50	5.9	+0.9		6.8	0.0
	6.0	+0.8	50	6.7	+0.1
	6.0	+0.8		6.9	0.1
	6.1	+0.7		6.8	0.0

W.117+00 SOUTH (19)

Dist	Sound	Elev	Dist	Sound	Elev
(68)	6.8	0.0	(68)	8.1	1.3
	6.9	0.1		8.0	1.2
4+00	7.0	0.2	(barge) 6+00	8.1	1.3
	6.9	0.1		8.1	1.3
	6.9	0.1		8.2	1.4
	7.0	0.2		8.3	1.5
	7.0	0.2		8.6	1.8
50	7.0	0.2	50	8.6	1.8
	7.1	0.3		8.5	1.7
	7.1	0.3		8.6	1.8
	7.2	0.4		8.8	2.0
	7.4	0.6		8.8	
5+00	7.5	0.7	7+00	8.8	
	7.5	0.7		8.8	
	7.7	0.9		8.8	2.0
	7.7	0.9		8.9	2.1
	7.9	1.1		8.9	2.1
50	7.8	1.0	50	9.0	2.2
	7.8	1.0		9.0	2.2
	7.9	1.1		9.1	2.3

W. 117+00 CONTD SOUTH 2-4-58

DIST	Sound	Elev	DIST	Sound	Elev
(67)	9.1	2.4	(67)	15.6	8.9
	9.5	2.8		15.8	9.1
8+00	9.6	2.9	10+00	15.8	9.1
<u>10:25</u>	10.0	3.3		15.8	9.1
	10.0	3.3		16.0	9.3
	10.3	3.6		15.5	8.8
	10.5	3.8		15.4	8.7
50	11.1	4.4	50	15.2	8.5
	12.3	5.6		15.2	8.5
	13.9	7.2		15.2	8.5
	15.0	8.3		15.0	8.3
9+00	15.4	8.7		14.5	7.8
9+00	15.9	9.2	11+00	12.3	5.6
	16.1	9.4		9.1	2.4
	16.1	9.4		7.8	1.1
	16.0	9.3		7.0	0.3
	15.9	9.2		6.9	0.2
50	15.9	9.2	50	6.8	0.1
	15.7	9.0			
	15.7	9.0			

W. 117+00; SOUND NORTH (20)

DIST	Sound	Elev	DIST	Sound	Elev
0+10	5.1	+1.5	(66)	4.5	+2.1
(66)	5.0	+1.6		4.5	+2.1
<u>1032</u>	5.1	+1.5		4.5	+2.1
	5.3	+1.3		4.4	+2.2
50	5.1	+1.5	50	4.4	+2.2
	5.0	+1.6		4.6	+2.0
	5.0			4.7	+1.9
	5.0			4.7	+1.9
	5.0			4.3	+2.3
1+00	5.0		3+00	4.2	+2.4
	5.0			4.2	+2.4
	5.0			4.2	+2.4
	5.0	+1.6		4.4	+2.2
	4.9	+1.7		4.6	+2.0
50	4.9	+1.7	50	4.5	+2.1
	4.9	+1.7		4.1	+2.5
	4.8	+1.8		4.2	+2.4
	4.9	+1.7		4.1	+2.5
	4.7	+1.9		4.1	+2.5
2+00	4.8	+1.8	4+00	4.1	+2.5

W. 117+00 CONTD. NORTH 2-4-58

Dist	Sound	Elev	Dist	Sound	Elev
65	4.1	+2.4	65	3.5	+
	4.0	+2.5		3.6	+
10+35	4.0	+2.5		3.4	+
	4.1	+2.4		3.4	+
50	4.0	+2.5	50	3.4	+
	4.0			3.3	+
	4.0			3.3	+
	4.0	+2.5		3.2	+
	3.9	+2.6		3.1	+
5+00	3.8	+2.7	7+00	3.1	+
	3.9	+2.6		3.2	+3.3
	3.7	+2.8		3.1	+3.4
	3.8	+2.7		3.1	+3.4
	3.8			3.0	+3.5
50	3.8		50	3.0	
	3.8	+2.7		3.0	
	3.7	+2.8		3.0	
	3.9	+2.6		3.0	+3.5
	4.0	+2.5		2.9	+3.6
6+00	3.6	+2.9	8+00	3.0	+3.5

W. 117+00 NORTH

Dist	Sound	Elev	Dist	Sound	Elev
65	3.0	+3.5			
	2.8	+3.7			
	2.7	+3.8			
	2.5	+4.0			
50	2.3	+4.2	50		
	2.2	+4.3			
	1.7	+4.8			
	1.0	+5.5			
Left	1.0	+5.5			
116+00					
9+00	0.9	+5.6	11+00		
(Contd. N. MB 102 P 926)					
50			50		
10+00			12+00		

NOTE: See MB92, for Additional Soundings
 W. 716+00; 0+00 = 15,200; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
7+00	3.0	+3.1	(61) 7+00	2.4	+3.7
(61)	3.0	+3.1	<u>10:50</u>	2.4	+3.7
<u>10:48</u>	2.9	+3.2		1.9	+4.2
	2.7	+3.4	N16130 Lath	1.2	+4.9
	2.6	+3.5	(cont'd) N.M.B. 102 P. 20		
50	2.6	+3.5	50		
	2.6	+3.5			
	2.8	+3.3			
	2.8	+3.3			
	2.5	+3.6			
8+00	2.2	+3.9	10+00		
	2.6	+3.5			
	2.7	+3.4			
	2.7	+3.4			
	2.4	+3.7			
50	2.6	+3.5	50		
	2.4	+3.7			
	2.4	+3.7			
	2.4	+3.7			

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W. 115+00; 0+00 = N. 15,200; SOUND SOUTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00	5.6	+1.2	(68)	6.2	+0.6
(68)	5.6		2+00	6.2	+0.6
<u>10:23</u>	5.6			6.1	+0.7
	5.6	+1.2		6.3	+0.5
	5.4	+1.4		6.2	+0.6
50	5.4	+1.4		6.1	+0.7
	5.3	+1.5	50	6.4	+0.4
	5.3	+1.5		6.3	+0.5
	5.7	+1.1	<u>10:25</u>	6.5	+0.3
	5.8	+1.0		6.4	+0.4
1+00	5.9	+0.9		6.4	+0.4
	6.0	+0.8	3+00	6.4	+0.4
	5.8	+1.0		6.3	+0.5
	6.0	+0.8		6.3	+0.5
	5.8	+0.9		6.4	+0.4
50	5.9	+0.9		6.6	+0.2
	6.0	+0.8	50	6.5	+0.3
	6.1	+0.7		6.5	+0.3
	6.1	+0.7		6.5	+0.3

W.115+00 CONTD SOUTH 2-5-58

Dist	Sound	Elev	Dist	Sound	Elev
(68)	6.5	+0.2	(68)	11.0	42
	6.6	+0.2		11.0	42
4+00	6.8	0.0	6+00	11.0	42
	6.9	0.1		11.1	43
	7.0	0.2		10.9	41
	7.1	0.3		10.9	41
	8.0	1.2		10.8	40
50	9.0	2.2	50	10.9	41
	10.0	3.2		10.5	37
	10.9	4.1		9.9	3.1
	10.7	3.9		9.6	2.8
	10.9	4.1		9.7	2.9
5+00	10.8	4.0	7+00	9.7	2.9
	10.9	4.1		9.6	2.8
	11.0	4.2		9.5	2.7
	11.0			9.6	2.8
	11.0			10.0	3.2
50	11.0		50	9.9	3.1
	11.0			10.2	3.4
	11.0	4.2		10.3	3.5

W.115+00 SOUTH (23)

Dist	Sound	Elev	Dist	Sound	Elev
(67)	10.4	3.7	(67)	14.8	8.1
<u>1030</u>	10.6	3.9		14.7	8.0
8+00	11.2	4.5	10+00	14.6	7.9
	13.0	6.3		14.3	7.6
	14.0	7.3		13.8	7.1
	15.0	8.3		11.5	4.8
	15.8	9.1		10.3	3.6
50	15.6	8.9	50	7.2	0.5
	15.3	8.6		6.8	0.1
	15.2	8.5		6.5	+0.2
	15.0	8.3	<u>1033</u>	6.1	+0.6
	14.8	8.1		6.0	+0.7
9+00	14.8	8.1	11+00	6.0	+0.7
	14.9	8.2	SOUND NORTH		
	14.8	8.1	0+10	5.0	+1.7
	15.0	8.3	(67)	5.0	+1.7
	14.9	8.2	<u>1037</u>	5.1	+1.6
50	15.0	8.3	<u>~~~~</u>	5.1	+1.6
	14.8	8.1	50	5.1	+1.6
	14.7	8.0		5.2	+1.5

W/115+00 CONTD NORTH 2-5-58

DIST	Sound	Elev	DIST	Sound	Elev	
(66)	5.1	+1.5	(66)	4.7	+1.9	
	4.9	+1.7		4.5	+2.1	
	5.0	+1.6		4.5		
1+00	5.0	}	3+00	4.5		
	5.0			4.5		
	5.0		+1.6		4.5	
	4.9		+1.7		4.5	
	4.8	+1.8		4.5		
50	4.8	+1.8	50	4.5		
	5.0	+1.6		4.5	+2.1	
	5.0	+1.6		4.2	+2.4	
	4.9	+1.7		4.2	+2.4	
	4.9	+1.7		4.1	+2.5	
2+00	4.8	+1.8	4+00	4.2	+2.4	
	4.8	+1.8		4.1	+2.5	
	4.8	+1.8		4.1	+2.5	
	4.7	+1.9		4.1	+2.5	
	4.6	+2.0		4.2	+2.4	
50	4.6	+2.0	50	4.2	+2.4	
	4.6	+2.0		4.2	+2.4	

W/115+00 NORTH (29)

DIST	Sound	Elev	DIST	Sound	Elev
(66)	4.1	+2.5	(66)	3.6	+3.0
10+00	4.0	+2.6		3.4	+3.2
	4.0	+2.6		3.5	+3.1
5+00	4.1	+2.5	7+00	3.3	+3.3
	4.1	+2.5		3.2	+3.4
	4.1	+2.5		3.2	+3.4
	4.0	+2.6		3.1	+3.5
	4.0	+2.6		3.2	+3.4
50	3.8	+2.8	50	3.2	+3.4
	3.8	+2.8		3.1	+3.5
	4.0	+2.6		3.3	+3.3
	3.9	+2.7		3.3	+3.3
	4.0	+2.6		3.1	+3.5
6+00	4.0	+2.6	8+00	3.1	+3.5
	3.9	+2.7		3.2	+3.4
	3.9	+2.7		2.9	+3.7
	3.8	+2.8		2.9	
	3.7	+2.9		2.9	
50	3.7	+2.9	50	2.9	
	4.0	+2.6		2.9	+3.7

W115+00 NORTH

DIST SOUND ELEV

(66) 2.8 +38

2.8 +38

3.1 +35

9+00 3.1 +35

2.9 +37

2.9 +37

2.8 +38

2.7 +39

50 2.1 +45

2.0 +46

1.2 +54

1.1 +55

Lath 1.1 +55

N16200 1.0 +56

(Contd N. MB 102 P. 26)

2-5-58

W114+00; 0+00-N. 15.2.00; SOUND NORTH

DIST SOUND ELEV DIST SOUND ELEV

4+00 3.8 +2.5 (63) 3.6 +27

(63) 3.9 +24 6+00 3.5 +28

1053 4.0 +2.3 3.5

3.9 +24 3.5

3.9 +24 3.5

50 4.0 +2.3 3.5

4.0 +2.3 50 3.5

3.9 +24 3.5 +28

3.9 +24 3.4 +29

3.8 +2.5 3.4 +29

5+00 3.7 +2.6 3.3 +3.0

4.0 +2.3 7+00 3.2 +3.1

4.0 +2.3 3.1 +3.2

3.8 +2.5 3.1 +3.2

3.9 +2.4 3.2 +3.1

50 3.8 +2.5 3.1 +3.2

3.7 +2.6 50 3.1

3.7 +2.6 3.1

3.7 +2.6 3.1 +3.2

W.114+00 NORTH

DIST SOUND ELEV

(63)	2.9	+3.4
	2.8	+3.5
8+00	2.8	+3.5
1055	2.8	+3.5
	2.7	+3.6
	2.7	+3.6
	2.8	+3.5
50	2.8	+3.5
	2.7	+3.6
	2.7	+3.6
	2.6	+3.7
	2.4	+3.9
9+00	2.3	+4.0
	3.0	+3.3
	2.5	+3.8
	2.3	+4.0
50	2.4	+3.9
50	2.3	+4.0
	2.2	+4.1
	2.1	+4.2

DIST SOUND ELEV

(63)	2.2	+4.1
	2.2	+
10+00	2.2	+
	2.2	+4.1
	2.1	+4.2
	1.8	+4.5
	1.8	+4.5
	0.6	+5.7

Lot 4
N16250
50

(Cont'd N.N.B. 102, P. 20)

Cont'd from NB 96 2-5-58

W.127+00; 0+00 = N14,400; SOUND NORTH

DIST	SOUND	ELEV	DIST	SOUND	ELEV
1+10	2.7	+4.5	3+00	2.8	+4.4
(72)	3.9	+3.3	(72)	2.8	+4.4
2+18	5.6	+1.6		2.7	+4.5
	4.3	+2.9		2.8	+4.4
50	4.2	+3.0		2.7	+4.5
	4.3	+2.9	50	2.7	
	3.2	+4.0		2.7	
	3.0	+4.2		2.7	+4.5
	3.0			2.6	+4.6
2+00	3.0			2.4	+4.8
	3.0		4+00	2.3	+4.9
	3.0			2.3	+4.9
	3.0			2.7	+4.5
	3.0	+4.2		2.5	+4.7
50	2.9	+4.3		2.5	+4.7
	2.9	+4.3	50	2.3	+4.9
	3.2	+4.0		2.9	+4.8
	2.8	+4.4		2.4	+4.8
	2.8	+4.4		2.3	+4.9

(26)

W.127+00 CONTD NORTH 2-5-58

Dist	Sound	Elev	Dist	Sound	Elev
(72)	2.4	+4.8	(72)	3.2	+4.0
5+00	2.5	+4.7	7+00	3.2	+4.0
9:20	2.6	+4.6		3.2	+4.0
<u> </u>	2.7	+4.5		3.3	+3.9
	2.7			3.3	+3.9
	2.7			3.2	+4.0
50	2.7	+4.5	50	3.2	+4.0
	2.8	+		3.4	+3.8
	3.0	+4.2		3.5	+3.7
	3.2	+4.0		3.9	+3.3
	3.0	+4.2		4.2	+3.0
6+00	3.0		8+00	4.3	+2.9
	3.0			4.2	+3.0
	3.0			4.2	+3.0
	3.0			4.3	+2.9
	3.0			4.7	+2.5
50	3.0	+4.2	50	4.8	+2.4
	3.1	+4.1		4.8	+2.4
	3.1	+4.1		4.8	+2.4
	3.2	+4.0		4.9	+2.3

W.127+00 NORTH

Dist	Sound	Elev	Dist	Sound	Elev
(72)	4.9	+2.3	(72)	4.9	+2.3
9+00	4.7	+2.5	11+00	4.8	+2.4
	4.7	+2.5	9:55	4.8	+2.4
	4.7	+2.5	<u> </u>	5.0	+2.2
	4.8	+2.4		5.0	+2.2
	4.8	+2.4		4.9	+2.3
50	4.9	+2.3	50	4.8	+2.4
	4.9	+2.3		4.7	+2.5
	5.0	+2.2		4.7	+2.5
	5.0	+2.2		4.8	+2.4
	4.8	+2.4		4.9	+2.3
10+00	5.0	+2.2	12+00	4.8	+2.4
	4.9	+2.3		4.7	+2.5
	5.0	+2.2		4.7	+2.5
	5.0	+2.2		4.7	+2.5
	5.0	+2.2		4.8	+2.4
50	4.9	+2.3	50	4.5	+2.7
	4.9			4.3	+2.9
	4.9			4.1	+3.1
	4.9	+2.3		3.9	+3.3

W127+00 NORTH 2-5-58

Dist Sound Elev

(72)	3.8	+3.4
13+00	3.8	+3.4
	3.8	+3.4
	3.5	+3.7
	3.5	+3.7
	3.2	+4.0
50	3.0	+4.2
	2.9	+4.3
	2.4	+4.8
	1.8	+5.4
	1.7	+5.5
14+00	1.6	+5.6
	1.6	+5.6
	1.4	+5.8
	1.4	+5.8
	1.3	+5.9
N15860 50	1.2	+6.0

(Cont'd N. MB102 Pg 23)

(Cont'd from MB.96 Pg 72)

W. 126+00: 0+00 = N. 14, 400: SOUND NORTH

Dist	Sound	Elev.	Dist	Sound	Elev
1+00	2.9	+4.3	(72)	2.7	+4.5
(72)	2.9	+4.3		2.7	+4.5
2+00	3.0	+4.2		2.7	+4.5
9+00	3.0	+4.2	4+00	2.8	+4.4
	2.9	+4.3		2.9	+4.3
	2.8	+4.4		2.8	+4.4
	3.0	+4.2		2.8	+4.4
50	2.8	+4.4		2.9	+4.3
	2.8		50	3.0	+4.2
	2.8			3.2	+4.0
	2.8			3.5	+3.7
	2.8	+4.4		3.3	+3.9
3+00	2.7	+4.5		3.3	+3.9
	2.8	+4.4	5+00	3.3	+3.9
	2.7	+4.5		3.3	+3.9
	2.7	+4.5		3.6	+3.6
	2.8	+4.4		3.8	+3.4
50	2.6	+4.6		3.8	+3.4
	2.7	+4.5	50	4.0	+3.2

W. 126+00 CONTD NORTH 2-5-58

Dist	Sound	Elev	Dist	Sound	Elev
(72)	4.0	+3.2	(72)	4.5	+2.5
	4.1	+3.1	<u>9.45</u>	4.6	+2.6
	4.3	+2.9		4.6	+2.6
	4.4	+2.8		4.7	+2.5
6+00	4.3	+2.9	8+00	4.6	+2.6
	4.5	+2.7		4.9	+2.3
	4.4	+2.8		5.0	+2.2
	4.7	+2.5		5.0	
	4.7	+2.5		5.0	
50	4.7	+2.5	50	5.0	+2.2
	4.2	+3.0		5.1	+2.1
	4.1	+3.1		5.0	+2.2
	4.1	+3.1		4.9	+2.3
	4.2	+3.0		4.9	+2.3
7+00	4.0	+3.2	9+00	5.0	+2.2
	4.1	+3.1		4.9	+2.3
	4.2	+3.0		5.0	+2.2
	4.2	+3.0		5.1	+2.1
	4.3	+2.9		5.0	+2.2
50	4.8	+2.4	50	5.1	+2.1

W. 126+00 NORTH

Dist	Sound	Elev	Dist	Sound	Elev
(72)	5.0	+2.2	(72)	4.9	+2.3
	5.2	+2.0		4.9	+2.3
	5.0	+2.2		5.2	+2.0
	5.3	+1.9		5.1	+2.1
10+00	5.1	+2.1	12+00	5.1	+2.1
	5.2	+2.0		4.9	+2.3
	5.0	+2.2		4.9	+2.3
	5.1	+2.1		4.9	+2.3
	5.0	+2.2		4.8	+2.4
50	5.0		50	4.7	+2.5
	5.0			4.9	+2.3
	5.0	+2.2		4.8	+2.4
	5.2	+2.0		4.7	+2.5
	5.0	+2.2		4.9	+2.3
11+00	5.0	+2.2	13+00	4.9	+2.3
	5.1	+2.1		4.4	+2.8
	5.0	+2.2		4.2	+3.0
	5.0			4.2	+3.0
	5.0			4.1	+3.1
50	5.0	+2.2	50	4.0	+3.2

W. 126+00 CONTD NORTH 2-5-58
 DIST SOUND ELEV

(72)	3.8	+3.4
<u>9:50</u>	3.4	+3.8
	3.1	+4.1
	2.8	+4.4
14+00	2.0	+5.2
	2.0	+5.2
	1.9	+5.3
	1.7	+5.5
	1.7	+5.5
50	1.3	+5.9
	1.3	
	1.3	
	1.3	+5.9
Lath	1.2	+6.0
N15900	1.2	+6.0
15+00	1.2	+6.0

(Contd N. MB 102, P. 23)

(Contd from MB 96, P. 73)

W. 125+00; 0+00 = N14400. SOUND NORTH ⁽²⁾

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+60	3.8	+3.3	50	2.9	+4.2
(71)	3.8	+3.3	(71)	2.9	+4.2
<u>1000</u>	3.5	+3.6		2.9	+4.2
	3.1	+4.0		3.0	+4.1
1+00	3.0	+4.1		3.0	+4.1
	2.8	+4.3	3+00	3.0	+4.1
	3.0	+4.1		3.1	+4.0
	2.0	+4.1		3.1	+4.0
	2.9	+4.2		3.1	+4.0
50	2.9	+4.2		3.2	+3.9
	3.0	+4.1	50	3.2	+
	2.9	+4.2		3.2	+
	2.1	+4.0		3.2	+3.9
	3.0	+4.1		3.7	+3.4
2+00	3.0	+4.1		4.2	+2.9
	3.0	+4.1	4+00	3.8	+3.3
	2.9	+4.2		4.0	+3.1
	2.9	+4.2		3.8	+3.3
	2.9	+4.2		3.8	+3.3

W. 125+00 CONTD NORTH 2-5-58

Dist	Sound	Elev	Dist	Sound	Elev
(71)	3.8	+3.3	(71)	5.1	+2.0
50	4.0	+3.1	50	5.2	+1.9
	4.0	+3.1		5.2	+1.9
	4.1	+3.0		5.1	+2.0
	4.3	+2.8		5.1	
	4.2	+2.9		5.1	
5+00	4.1	+3.0	7+00	5.1	+2.0
	4.2	+2.9		5.0	+2.1
	4.3	+2.8		4.9	+2.2
	4.4	+2.7		4.9	
	4.6	+2.5		4.9	
50	4.7	+2.4	50	4.9	
	4.8	+2.3		4.9	+2.2
	4.9	+2.2		4.8	+2.3
	5.0	+2.1		4.8	
	5.0	+2.1		4.8	
6+00	5.0	+2.1	8+00	4.8	+2.3
	5.1	+2.0		4.9	+2.2
	5.1	+2.0		5.0	+2.1
	5.1	+2.0		5.1	+2.0

W. 125+00 NORTH (27)

Dist	Sound	Elev	Dist	Sound	Elev
(70)	5.1	+1.9	(70)	5.2	+1.8
50	5.1	+1.9	50	5.2	+1.8
	5.2	+1.8	1005	5.3	+1.7
	5.2	+1.8		5.2	+1.8
	5.2	+1.8		5.2	+1.8
	5.3	+1.7		5.1	+1.9
9+00	5.3	+1.7	11+00	5.3	+1.7
	5.3	+1.7		5.3	+1.7
	5.2	+1.8		5.2	+1.8
	5.2			5.1	+1.9
	5.2			5.0	+2.0
50	5.2		50	5.0	
	5.2			5.0	
	5.2	+1.8		5.0	
	5.1	+1.9		5.0	
	5.2	+1.8		5.0	
10+00	5.3	+1.7	12+00	5.0	
	5.1	+1.9		5.0	+2.0
	5.2	+1.8		5.1	+1.9
	5.2	+1.8		5.1	+1.9

W. 125+00 CONTD NORTH 2-5-58

Dist Sound Elev Dist Sound Elev

(70)	5.1	+1.9	(70)	2.9	+4.1
50	5.0	+2.0	50	2.3	+4.7
	5.0	+2.0		1.9	+5.1
	4.9	+2.1		1.1	+5.9
	4.9			1.1	
	4.9		Lat N	1.1	+
13+00	4.9	+2.1	N15900	1.1	+5.9
	4.7	+2.3	(contd N. MB. 102 P. 2A)		
	4.7	+2.3			
	4.8	+2.2			
	4.8	+2.2			
50	4.6	+2.4			
	4.6	+2.4			
	4.5	+2.5			
	4.4	+2.6			
	4.0	+3.0			
14+00	3.7	+3.3			
	3.3	+3.7			
	2.8	+4.2			
	2.9	+4.1			

(32)

W. 113+00. 0+00 = N. 15. 200; SOUND SOUTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00	4.4	+1.7	(60)	5.6	+0.4
(61)	4.7	+1.4	2+00	5.5	+0.5
1107	4.9	+1.2		5.6	+0.4
	4.9	+1.2		6.0	0.0
	5.1	+1.0		6.9	0.9
50	5.1	+1.0		8.0	2.0
	5.2	+0.9	50	9.5	3.5
	5.1	+1.0		10.0	4.0
	5.1	+1.0		10.0	4.0
	5.3	+0.8		9.9	3.9
1+00	5.3	+		9.9	3.9
	5.3	+	3+00	10.1	4.1
	5.3	+0.8		10.0	4.0
	5.4	+0.7		10.0	4.0
	5.4	+0.7		10.0	4.0
50	5.5	+0.6		10.1	4.1
	5.5	+0.6	50	10.0	4.0
	5.5	+0.6		10.0	4.0
	5.6	+0.5		10.0	4.0

W. 113+00; CONTD NORTH 2-5-58

Dist	Sound	Elev	Dist	Sound	Elev
(60)	10.0	4.0	(60)	11.0	5.0
4+00	10.0	4.0	6+00	11.0	5.0
4+00	10.2	4.2		10.9	4.9
<u>11:10</u>	10.0	4.0		10.9	4.9
	10.0			10.8	4.8
	10.0			10.7	4.7
50	10.0	4.0	50	10.6	4.6
50	10.2	4.2		10.6	4.6
	10.2	4.2		10.8	4.8
	10.3	4.3		11.0	5.0
	10.3			11.4	5.4
5+00	10.3		7+00	11.8	5.8
5+00	10.3			12.0	6.0
	10.3	4.3		12.1	6.1
	10.4	4.4		12.5	6.5
	10.5	4.5		12.9	6.9
50	10.6	4.6	50	13.2	7.2
50	10.8	4.8	50	13.9	7.9
	10.8			14.0	8.0
	10.8			14.1	8.1
	10.8	4.8			

W. 113+00 NORTH

Dist	Sound	Elev	Dist	Sound	Elev
(60)	14.0	8.0	(60)	6.7	0.7
8+00	14.0		10+00	5.6	+0.4
	14.0		<u>11:15</u>	5.1	+0.9
	14.0	8.0		4.9	+1.1
	13.9	7.9		4.9	+1.1
	13.8	7.8		5.0	+1.0
50	13.5	7.5	50	4.9	+1.1
	13.4	7.4	SOUND NORTH		
	13.3	7.3	0+0	4.5	+1.3
	13.0	7.0	(58)	4.5	+1.3
	13.0		<u>11:20</u>	4.6	+1.2
9+00	13.0			4.6	+1.2
	13.0		50	4.3	+1.5
	13.0	7.0		4.3	
	12.8	6.8		4.3	
	12.5	6.5		4.3	+1.5
50	12.2	6.2		4.2	+1.6
	12.0	6.0	1+00	4.1	+1.7
	11.4	5.4		4.3	+1.5
	9.4	3.4		4.3	+1.5

(33)

W. 113+00 CONTD NORTH 2-5-58

Dist	Sound	Elev	Dist	Sound	Elev
(58)	4.1	+1.7	(58)	3.3	+2.5
	4.0	+1.8		3.4	+2.4
50	4.2	+1.6	50	3.3	+2.5
	4.1	+1.7		3.2	+2.6
	4.2	+1.6		3.2	+2.6
	4.1	+1.7		3.2	+2.6
	4.0	+1.8		3.3	+2.5
2+00	4.0	+1.8	4+00	3.3	
	4.0	+1.8		3.3	
	3.9	+1.9		3.3	+2.5
	3.9	+1.9		3.4	+2.4
	3.9	+1.9		3.4	+2.4
50	4.0	+1.8	50	3.2	+2.6
	3.9	+1.9		3.3	+2.5
	3.8			3.3	+2.5
	3.8			3.1	+2.7
	3.8	+1.9		3.2	+2.6
3+00	3.5	+2.3	5+00	3.1	+2.7
	3.4	+2.4		3.2	+2.6
	3.4	+2.4		3.2	+2.6

W. 113+00 NORTH

Dist	Sound	Elev	Dist	Sound	Elev
(58)	3.0	+2.8	(57)	2.4	+3.3
	3.0			2.8	+2.9
50	3.0		50	2.8	+2.9
	3.0			2.5	+3.2
	3.0			2.2	+3.5
	3.0			2.6	+3.1
	3.0			2.6	+3.1
6+00	3.0		8+00	2.7	+3.0
	3.0	+2.8		2.5	+3.2
	2.9	+2.9		2.3	+3.4
	2.9	+2.9		2.0	+3.7
	2.9	+2.9		2.0	+3.7
50	3.0	+2.8	50	1.8	+3.9
	3.0	+2.8		1.8	
	2.8	+3.0		1.8	
	2.7	+3.1		1.8	+3.9
	2.9	+2.9		1.7	+4.0
7+00	2.7	+3.1	9+00	1.6	+4.1
	2.9	+2.9		1.6	+4.1
	2.6	+3.3		1.7	+4.0

W113+80 CONTD NORTH

Dist Sound Elev Dist Sound Elev

(57) 1.5 +4.2

11:25 1.4 +4.3

50 1.4 +4.3

2.5 +3.2

1.6 +4.1

1.5 +4.2

1.5 +4.2

10+00 1.4 +4.3

1.6 +4.1

1.5 +4.2

1.5 +4.2

1.5 +4.2

50 1.4 +4.3

1.2 +4.5

1.2

1.2

Lath 1.2 +4.5

N16300

11+00 1.1 +4.6

(Contd. N. MB 102, Pg 27)

(35)

W112+00; 0+00 = N. 15,200; SOUND NORTH

Dist Sound Elev Dist Sound Elev

4+00 2.7 +2.5 (52) 2.5 +2.7

(52) 2.7 +2.5 6+00 2.2 +3.0

11:46 2.8 +2.4 2.2 +3.0

2.8 +2.4 2.1 +3.1

2.5 +2.7 2.1

50 2.4 +2.8 2.1

2.4 +2.8 50 2.1 +3.1

2.5 +2.7 2.0 +3.2

2.8 +2.4 2.0

2.8 +2.4 2.0

5+00 2.8 +2.4 2.0

2.5 +2.7 7+00 2.0

2.5 2.0 +3.2

2.5 1.9 +3.3

2.5 +2.7 2.0 +3.2

50 2.4 +2.8 1.9 +3.3

2.4 +2.8 50 1.8 +3.4

2.4 +2.8 1.8 +3.4

2.5 +2.7 1.8 +3.4

W. 112+00 CONTD NORTH.
 DIST SOUND ELEV DIST SOUND ELEV

(51)	1.8	+3.3			
1150	1.7	+3.4			
8+00	1.7	+3.4	10+00		
	1.7	+3.4			
	1.9	+3.2			
	1.4	+3.7			
	1.5	+3.6			
50	1.2	+3.9			
	1.1	+4.0			
	1.2	+3.9			
	1.1	+4.0			
Latth	1.3	+3.8			
N16100					
3+00	1.1	+4.0			

(Contd N. MB 102, Pg. 27)

50

2-5-58
 W. 11+00; 0+00 = N. 15.200; SOUND SOUTH

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00	2.7	+2.2	(49)	3.0	+1.9
(49)	2.6	+2.3	2+00	3.0	+1.9
1158	2.6	+2.3	12+00	3.1	+1.8
	2.6	+2.3		3.5	+1.4
	2.7	+2.2		4.0	+0.9
50	2.8	+2.1		3.9	+1.0
	2.8	+2.1	50	4.1	+0.8
	2.8	+2.1		4.2	+0.7
	3.0	+1.9		4.3	+0.6
	2.9	+2.0		4.4	+0.5
1+00	2.9	+2.0		4.7	+0.2
	3.0	+1.9	3+00	4.8	+0.1
	3.0	+1.9		4.8	+0.1
	2.9	+2.0		5.0	0.1
	3.0	+1.9		5.1	0.2
50	3.0	+1.9		5.1	0.2
	3.1	+1.8	50	5.2	0.3
	3.1	+1.8		5.1	0.2
	3.0	+1.9		5.2	0.3

W. 111+00 CONTD SOUTH

Dist	Sound	Elev	Dist	Sound	Elev
(49)	5.2	0.3	(49)	9.1	4.2
	5.3	0.4		9.2	4.3
4+00	5.4	0.5	6+00	9.7	4.8
	5.5	0.6		10.2	5.3
	5.7	0.7		10.3	5.4
	5.7	0.7		10.4	5.5
	6.0	1.1		10.6	5.7
50	6.2	1.3	50	11.3	6.4
	6.3	1.4		11.9	7.0
	6.4	1.5		12.2	7.3
	6.5	1.6		12.6	7.7
	6.9	2.0		12.7	7.8
5+00	7.2	2.3	7+00	12.7	7.8
	8.1	3.2		12.6	7.7
	8.3	3.4		12.5	7.6
	8.4	3.5		12.4	7.5
	8.7	3.8		12.5	7.6
50	8.9	4.0	50	12.4	7.5
	8.9	4.0		12.3	7.4
	9.0	4.1		12.2	7.3

W. 111+00 SOUTH 2-5-58

Dist	Sound	Elev	Dist	Sound	Elev
(47)	12.1	7.4	(47)	4.2	+0.5
	12.0	7.3	12:05	4.2	?
8+00	11.9	7.2	10+00	4.2	
	11.7	7.0		4.2	+0.5
	11.6	6.9			
	11.9	7.2			
	11.7	7.0			
50	11.6	6.9	50		
	11.3	6.6			
	11.1	6.4			
	10.8	6.1			
	10.8	6.1			
9+00	10.1	5.4	11+00		
	10.0	5.3			
	9.4	4.7			
	8.3	3.6			
	6.3	1.6			
50	5.0	0.3	50		
	4.4	+0.3			
	4.3	+0.4			

W. 111+00; SOUND NORTH 2-5-58

Dist	Sound	Elev	Dist	Sound	Elev
0+10	2.3	+2.3	(46)	2.3	+2.3
(46)	2.2	+2.4		2.5	+2.1
<u>12/10</u>	2.2			2.5	+2.1
	2.2			2.4	+2.2
50	2.2		50	2.3	+2.3
	2.2			2.2	+2.4
	2.2			2.2	+2.4
	2.2			2.1	+2.5
	2.2	+2.4		2.0	+2.6
1+00	2.5	+2.1	3+00	2.2	+2.4
	2.2	+2.4		2.3	+2.3
	2.3	+2.3		2.2	+2.4
	2.2	+2.4		2.1	+2.5
	2.2	+2.4		2.2	+2.4
50	2.5	+2.1	50	2.1	+2.5
	2.3	+2.3		2.0	+2.6
	2.5	+2.1		2.0	+2.6
	2.4	+2.2		1.9	+2.7
	2.2	+2.4		1.7	+2.9
2+00	2.3	+2.3	4+00	1.9	+2.7

W. 111+00 NORTH

Dist	Sound	Elev	Dist	Sound	Elev
(45)	1.8	+2.7	(45)	1.3	+3.2
	1.7	+2.8		1.3	
	1.7			1.3	
	1.7			1.3	
50	1.7	+2.8	50	1.3	
	1.6	+2.9		1.3	+3.2
	1.7	+2.8		1.2	+3.3
	1.7	+2.8		1.0	+3.5
	1.6	+2.9	<u>12/15</u>	1.1	+3.4
5+00	1.6	+2.9	<u>7+00</u>	1.2	+3.3
	1.6	+2.9		0.9	+3.6
	1.5	+3.0		0.9	+3.6
	1.4	+3.1		0.9	+3.6
	1.3	+3.2		1.1	+3.4
50	1.3		50	1.1	+3.4
	1.3			1.1	+3.4
	1.3		Lot 4 N 15970	1.0	+3.5
	1.3		(Const N. MB 102, P 927)		
	1.3				
6+00	1.3	+3.2	8+00		

2-6-58

W. 110+00; 0+00=N. 15,200; SOUND NORTH

W. 109+00; 0+00=N. 15,200; SOUND SOUTH

Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev
6+00	2.3	+4.0	(63)	1.8	+4.5	0+00	3.2	+3.2	(64)	4.0	+2.4
(63)	2.4	+3.9	8+00	1.8		(64)	3.4	+3.0	2+00	4.1	+2.3
<u>9+20</u>	2.4	+3.9		1.8		<u>9+32</u>	3.2	+3.0		4.1	
	2.5	+3.8		1.8			3.3	+3.1		4.1	
	2.4	+3.9		1.8			3.4	+3.0		4.1	
50	2.8	+3.5		1.8		50	3.3	+3.1		4.1	
	2.8	+3.3	50	1.8	+4.3		3.3	+3.1	50	4.1	+2.3
	2.9	+3.4		1.7	+4.6		3.5	+2.6		4.2	+2.2
	2.8	+3.5		1.6	+4.7		3.5	+2.6		4.7	+1.7
	2.3	+4.0		1.4	+4.9		3.7	+2.7		4.7	+1.7
7+00	2.2	+4.1		1.5	+4.6	1+00	3.8	+2.6		4.9	+1.5
	2.2	+4.1	9+00	1.5	+4.8		3.8	+2.6	3+00	4.9	+1.5
	2.1	+4.2		1.4	+4.9		4.0	+2.4		5.0	+1.4
	2.6	+3.7		1.4	+4.9		3.9	+2.5		5.2	+1.2
	2.1	+4.2		1.4	+4.9		4.1	+2.3		5.5	+0.9
50	2.0	+4.3		1.5	+4.8	50	4.0	+2.4		5.5	+0.9
	1.9	+4.4	50	1.5	+4.8		3.9	+2.5	50	5.7	+0.7
	1.9	+4.4		1.5	+4.8		3.9	+2.5		5.8	+0.6
	1.9	+4.4		1.6	+4.7		4.0	+2.4		6.0	+0.4
	1.9	+4.4		1.5	+4.8						

(cont'd N. NB. 102, 1928)

Lath
N/6200
10+00

1.6 +4.7
1.5 +4.8
1.5

W. 109+00 CONTD SOUTH 2-6-58

Dist	Sound	Elev	Dist	Sound	Elev
(6.4)	6.0	+0.4	(6.4)	8.0	1.6
<u>9.35</u>	6.1	+0.3		8.4	2.0
4+00	6.1	+0.3	6+00	8.5	2.1
	6.1	+0.3		8.8	2.4
	6.2	+0.2		9.2	2.8
	6.3	+0.1		11.0	4.6
	6.3	+0.1		12.5	6.1
50	6.4	0.0	50	13.8	7.4
	6.4	0.0		14.6	8.2
	6.4	0.0		15.0	8.6
	6.6	0.2		15.1	8.7
	6.6	0.2		15.0	8.6
5+00	6.7	0.3	7+00	14.9	8.5
	6.6	0.2		14.7	8.3
	6.6	0.2		14.7	8.3
	6.8	0.4		14.5	8.1
	6.9	0.5		14.5	8.1
50	7.0	0.6	50	14.2	7.8
	7.3	0.9		14.1	7.7
	7.9	1.5		13.8	7.4

W. 109+00 SOUTH

Dist	Sound	Elev	Dist	Sound	Elev
(6.5)	13.4	6.9	(6.6)	3.4	+3.2
	13.2	6.7		3.5	+3.1
8+00	13.3	6.8		3.3	+3.3
	13.2	6.7	1+00	3.6	+3.0
	13.1	6.6		3.4	+3.2
	12.9	6.4		3.4	+3.2
	12.5	6.0		3.5	+3.1
50	12.6	6.1		3.5	
	12.0	5.5	50	3.5	
	10.2	3.7		3.5	+3.1
9+00	8.1	1.6		3.6	+3.0
	6.9	0.4		3.5	+3.1
9+00	6.3	+0.2		3.5	
	SOUND NORTH		2+00	3.5	
0+10	3.4	+3.1		3.5	+3.1
(6.5)	3.4	+3.1		3.7	+2.9
<u>7.02</u>	3.3	+3.2		3.7	+2.9
	3.4	+3.1		3.7	+2.9
50	3.4	+3.1	50	3.6	+3.0
	3.4	+3.1		3.6	+3.0

W.109+00 CONTD NORTH 2-6-58					
Dist	Sound	Elev	Dist	Sound	Elev
(66)	3.6	+3.0	(66)	3.4	+3.2
	3.6	+3.0		3.3	+3.3
	3.7	+2.9	9.45	3.3	+3.3
3+00	3.7		5+00	3.0	+3.6
	3.7			3.0	+3.6
	3.7	+2.9		3.1	+3.5
	3.6	+3.0		2.9	+3.7
	3.6	+3.0		2.9	+3.7
50	3.5	+3.1	50	2.8	+3.8
	3.5			3.0	+3.6
	3.5			2.8	+3.8
	3.5	+3.1		2.8	+3.8
	3.2	+3.4		2.8	+3.8
4+00	3.3	+3.3	6+00	2.9	+3.7
	3.3	+3.3		3.0	+3.6
	3.4	+3.2		3.0	
	3.4	+3.2		3.0	
	3.3	+3.3		3.0	+3.6
50	3.5	+3.1	50	3.2	+3.4
	3.4	+3.2		3.2	+3.4

W.109+00 NORTH					
Dist	Sound	Elev	Dist	Sound	Elev
(66)	2.8	+3.8	(66)	1.8	+4.8
	3.0	+3.6		1.8	
	2.7	+3.9		1.8	
7+00	2.7	+3.9	9+00	1.8	+4.8
	2.1	+4.5		1.7	+4.9
	2.2	+4.4		1.7	+4.9
	2.1	+4.5		1.8	+4.8
	2.0	+4.6		1.7	+4.9
50	2.0	+4.6	50	1.8	+4.8
	2.1	+4.5		1.8	
	2.0	+4.6		1.8	
	2.0			1.8	
	2.0			1.8	+4.8
8+00	2.0		10+00	1.9	+4.7
	2.0	+4.6		1.7	+4.9
	1.9	+4.7		1.7	+4.9
	1.9			1.8	+4.8
	1.9			1.9	+4.7
50	1.9	+4.7	50	1.7	+4.9
	1.8	+4.8		1.8	+4.8

W109+00 CONTD NORTH 2-6-58
Dist Sound Elev Dist Sound Elev

(66) 1.8 +4.8 (66) 1.2 +5.4

1.8 +4.8 1.2 +5.4

1.7 +4.9 1.2 +5.4

11+00 1.7 +4.9 13+00 1.1 +5.5

1.8 +4.8 1.1 +5.5

1.8 +4.8 1.2 +5.4

1.8 +4.8 1.2 +5.4

1.7 +4.9 1.2 +5.4

50 1.7 +4.9 50 1.1 +5.5

1.6 +5.0 1.2 +5.4

1.6 +5.0 1.3 +5.3

1.6 +5.0 1.2 +5.4

1.5 +5.1 9:50 1.0 +5.5

12+00 1.4 +5.2 14+00 1.0

1.4 1.0

1.4 1.0

1.4 +5.2 1.0

1.3 +5.3 1.0

50 1.3 +5.3 50 1.0 +5.5

1.3 +5.3 1.1 +5.5

W109+00; NORTH
Dist Sound Elev Dist Sound Elev

(66) 1.2 +5.4

1.2 +5.4

Lath 1.2 +5.4

116700 1.2 +5.4

15+00 1.2 +5.4

(Contd N.M.B 102, P923)

2-6-58
W. 108+00: 0+00 = N. 15:200; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00	3.3	+3.4	(67)	2.9	+3.8
(67)	3.3		2+00	3.1	+3.6
1005	3.3			3.1	+3.6
<u> </u>	3.3			2.9	+3.8
	3.3	+3.4		3.0	+3.7
50	3.2	+3.5		3.2	+3.5
	3.2	+3.5	50	3.1	+3.6
	3.4	+3.2		3.0	+3.7
	3.3	+3.4		2.9	+3.8
	3.3			2.9	+3.8
1+00	3.3			3.0	+3.7
	3.3		3+00	2.9	+3.8
	3.3	+3.4		2.8	+3.9
	3.2	+3.5		2.7	+4.0
	3.1	+3.6		2.7	+4.0
50	3.1	+3.6		2.7	+4.0
	3.0	+3.7	50	2.6	+4.1
	3.0	+3.7		2.6	+4.1
	3.0	+3.7		2.6	+4.1

W. 108+00 NORTH
Dist Sound Elev

(43)

Dist	Sound	Elev	Dist	Sound	Elev
(67)	2.6	+4.1	(67)	2.3	+4.4
	2.6	+4.1		2.2	+4.5
1+00	2.6	+4.1	6+00	2.2	+4.5
	2.5	+4.2		2.2	+4.5
	3.0	+3.7		2.1	+4.6
	2.7	+4.0		2.2	+4.5
	2.7	+4.0		2.1	+4.6
50	3.1	+3.6	50	2.1	
	3.2	+3.5		2.1	
	2.7	+4.0		2.1	
	2.7	+4.0		2.1	
	2.7	+4.0		2.1	
5+00	2.4	+4.3	7+00	2.1	
	2.3	+4.4		2.1	
	2.3			2.1	
	2.3			2.1	+4.6
	2.3			2.2	+4.5
50	2.3		50	2.7	+4.0
	2.3			2.9	+3.8
	2.3	+4.4		2.2	+4.5

W. 108+00 CONTD NORTH 2-6-58					
DIST	Sound	Elev	DIST	Sound	Elev
(67)	2.1	+4.6	(67)	1.7	+5.0
	2.1			1.6	+5.1
8+00	2.1		10+00	1.7	+5.0
10+00	2.1			1.7	+5.0
	2.1			1.5	+5.2
	2.1	+4.6		1.6	+5.1
	2.0	+4.7		1.5	+5.2
50	2.0	+4.7	50	1.6	+5.1
	1.9	+4.8		1.6	+5.1
	1.9			1.6	+5.1
	1.9			1.5	+5.2
	1.9			1.5	
9+00	1.9		11+00	1.5	
	1.9			1.5	+5.2
	1.9	+4.8		1.7	+5.0
	1.8	+4.9		1.7	+5.0
	1.8	+4.9		1.6	+5.1
50	1.7	+5.0	50	1.6	
	1.7	+5.0		1.6	
	1.7	+5.0		1.6	+5.1

W. 108+00 NORTH					
DIST	Sound	Elev	DIST	Sound	Elev
(67)	1.6	+5.1			
	1.5	+5.2			
12+00	1.5		14+00		
	1.5				
	1.5	+5.2			
	1.4	+5.3			
	1.4	+5.3			
50	1.3	+5.4	50		
	1.2	+5.5			
	1.2				
	1.2				
13+00	1.2	+5.5	15+00		
	1.1	+5.6			
	1.1	+5.6			
	1.1	+5.6			
	1.0	+5.7			
50	1.0	+5.7			

(cont'd N. MB 102, P92B)

2-6-58
 W. 107+00; 0+00 = N. 15, 200; SOUND SOUTH

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00	3.1	+3.6	(67)	3.9	+2.8
(67)	3.1	+3.6	2+00	3.9	+2.8
<u>1027</u>	3.2	+3.5		4.0	+2.7
	3.3	+3.4		4.0	+2.7
	3.4	+3.3		4.1	+2.6
50	3.6	+3.1	<u>1030</u>	4.1	
	3.4	+3.3	50	4.1	
	3.4	+3.3		4.1	+2.6
	3.7	+3.0		4.2	+2.5
	3.6	+3.1		4.3	+2.4
1+00	3.6	+3.1		4.3	+2.4
	3.7	+3.0	3+00	4.7	+2.0
	3.7	+3.0		4.9	+1.8
	3.9	+2.8		4.9	+1.8
	3.9			4.8	+1.9
50	3.9			4.9	+1.8
	3.9		50	5.1	+1.6
	3.9			5.1	+1.6
	3.9	+2.8		5.2	+1.5

W. 107+00 SOUTH
 DIST SOUND ELEV

(45)

DIST	SOUND	ELEV	DIST	SOUND	ELEV
(67)	5.2	+1.5	(67)	11.1	4.4
	5.2	+1.5		12.9	6.2
4+00	5.2	+1.5	6+00	14.3	7.6
	5.3	+1.4		14.5	7.8
	5.3	+1.4		14.7	8.0
	5.3	+1.4		14.7	8.0
	5.4	+1.3		14.7	8.0
50	5.5	+1.2	50	14.6	7.9
	5.5	+1.2		14.3	7.6
	5.8	+0.9		14.3	7.6
	6.0	+0.7		14.2	7.5
	6.1	+0.6		14.2	7.5
5+00	6.1	+0.6	7+00	14.1	7.4
	6.2	+0.5		14.0	7.3
	6.9	0.2		13.8	7.1
	7.3	0.6		13.6	6.9
	7.7	1.0		13.4	6.7
50	8.0	1.3	50	13.2	6.5
	8.7	2.0		13.1	6.4
	9.1	2.4		13.2	6.5

W. 107+00 CONTD SOUTH 2-6-58

DIST	SOUND	ELEV	DIST	SOUND	ELEV
(6.7)	13.3	6.6	(6.6)	3.0	+3.6
	13.2	6.5		3.1	+3.5
8+00	12.8	6.1		3.2	+3.4
	12.1	5.4	1+00	3.0	+3.6
	10.0	3.3		3.1	+3.5
<u>10.35</u>	8.3	1.6		3.1	+3.5
	7.1	0.4		3.0	+3.6
50	6.9	0.2		2.9	+3.7
	6.8	0.1	50	2.8	+3.8
	6.8	0.1		2.8	+3.8
	6.7	0.0		2.9	+3.7
	6.6	+0.1		2.8	+3.8
9+00	6.7	0.0		2.8	
SOUND NORTH			2+00	2.8	
0+10	3.0	+3.7		2.8	
	3.0	+3.7		2.8	
<u>10.38</u>	3.1	+3.6		2.8	+3.8
	3.0	+3.7		3.3	+3.3
50	3.0	+3.7	50	3.4	+3.2
	3.0	+3.7		3.4	+3.2

W. 107+00 NORTH

DIST	SOUND	ELEV	DIST	SOUND	ELEV
(6.6)	3.3	+3.3	(6.6)	2.1	+4.5
10.40	2.8	+3.8		2.1	+4.5
	2.7	+3.9		2.1	+4.5
3+00	2.4	+4.2	5+00	2.0	+4.6
	2.4	+4.2		2.0	
	2.3	+4.3		2.0	
	2.2	+4.4		2.0	
	2.2			2.0	
50	2.2		50	2.0	
	2.2			2.0	
	2.2			2.0	
	2.2	+4.4		2.0	+4.6
	2.6	+4.0		1.9	+4.7
4+00	2.9	+3.7	6+00	1.9	
	2.8	+3.8		1.9	
	2.4	+4.2		1.9	
	2.3	+4.3		1.9	
	2.3	+4.3		1.9	
50	2.3	+4.3	50	1.9	
	2.2	+4.4		1.9	+4.7

W107+00 CONTD NORTH 2-6-58

Dist	Sound	Elev	Dist	Sound	Elev
(66)	1.8	+4.8	(66)	1.8	+4.8
	1.8	+		1.8	+4.8
	1.8	+	<u>1045</u>	1.8	+4.8
7+00	1.8	+4.8	9+00	2.0	+4.6
	1.7	+4.9		1.9	+4.7
	1.7			1.9	+4.7
	1.7			1.8	+4.8
	1.7			1.8	
50	1.7		50	1.8	
	1.7			1.8	+4.8
	1.7			1.7	+4.9
	1.7			1.6	+5.0
	1.7			1.4	+5.2
8+00	1.7	+4.9	^{Lath} N16200 10+00	1.4	+5.2
	1.6	+5.0	(contd N16200 P429)		
	1.8	+4.8			
	1.8	+4.8			
	1.8	+4.8			
50	1.9	+4.7	50		
	2.0	+4.6			

(7)

W.106+00; 0+00 = N.15200; SOUND SOUTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00	2.8	+3.7	(65)	2.6	+3.9
(65)	2.9	+3.6	2+00	2.7	+3.8
<u>1055</u>	3.2	+3.3	50	3.0	+3.5
	3.1	+3.4		2.7	+3.8
	3.0	+3.5		2.4	+4.1
50	3.1	+3.4		2.2	+4.3
SOUND NORTH					
0+10	2.8	+3.7	2+00	2.1	+4.4
(65)	2.6			2.1	+4.4
<u>1057</u>	2.8			2.1	+4.4
	2.8			2.2	+4.3
50	2.8	+3.7	3+00	2.4	+4.1
	2.7	+3.8	50	2.3	+4.2
	2.8	+3.7		2.0	+4.5
	2.9	+3.6		2.0	
	3.0	+3.5		2.0	
1+00	2.9	+3.6	50	2.0	
	2.9	+3.6	3+00	2.0	
	2.8	+3.7		2.0	+4.5

W. 106 +00 CONTD NORTH 2-6-58

Dist	Sound	Elev	Dist	Sound	Elev
(64)	2.0	+4.4	(64)	1.9	+4.5
	2.0			1.9	+4.5
<u>11:00</u>	2.0			2.2	+4.2
50	2.0		50	1.9	+4.5
	2.0			1.8	+4.6
	2.0	+4.4		2.0	+4.4
	1.9	+4.5		2.0	+4.4
	1.9	+4.5		1.7	+4.7
4+00	2.1	+4.3	6+00	1.7	
	2.0	+4.4		1.7	
	2.0			1.7	
	2.0			1.7	
	2.0	+4.4		1.7	+4.7
50	1.9	+4.5	50	1.5	+4.9
	1.9	+4.5		1.5	+4.9
	1.8	+4.6		1.5	+4.9
	1.8			1.3	+5.1
	1.8			1.3	+5.1
5+00	1.8		7+00	1.3	+5.1
	1.8	+4.6		1.2	+5.2

W. 106 +00 NORTH

Dist	Sound	Elev	Dist	Sound	Elev
(64)	1.2	+5.2	(64)	1.1	+5.3
	1.1	+5.3		1.1	
	1.2	+5.2		1.1	
50	1.3	+5.1	50	1.1	+5.3
	1.1	+5.3	11:05	1.1	
	1.1	+5.3	<u>11:05</u>	1.1	
	1.2	+5.2		1.1	+5.3
	1.2	+5.2		1.0	+5.4
8+00	1.2	+5.2	10+00	1.0	
	1.1	+5.3		1.0	
	1.1			1.0	+5.4
	1.1			1.1	+5.3
	1.1			1.0	+5.4
50	1.1		50	1.1	+5.3
	1.1			1.0	+5.4
	1.1			3.2	+3.2
	1.1			3.9	+2.5
	1.1			3.6	+2.8
9+00	1.1		11+00	4.1	+2.3
	1.1	+5.3		4.1	+2.3

W106+00 CONTD NORTH 2-6-58

Dist	Sound	Elev	Dist	Sound	Elev
(64)	4.0	+2.4	(64)	3.4	+3.0
	3.9	+2.5		3.5	+2.9
	3.9			3.7	+2.7
50	3.9		50	4.0	+2.4
	3.9	+2.5		4.0	
	3.8	+2.6		4.0	
	3.5	+2.9		4.0	
	3.6	+2.8		4.0	
12+00	3.6	+2.8	14+00	4.0	
	3.7	+2.7		4.0	
	3.7	+2.7		4.0	+2.4
	3.7	+2.7		3.9	+2.5
	3.5	+2.9		3.9	+2.5
50	3.5	+2.9	50	3.5	+2.9
	3.3	+3.1		3.5	+2.9
	3.2	+3.2		3.5	+2.9
	3.2	+3.2		3.4	+3.0
	3.2	+3.2		3.2	+3.2
13+00	3.3	+3.1	15+00	3.1	+3.3
	3.3	+3.1		3.1	+3.3

W106+00 NORTH

Dist	Sound	Elev	Dist	Sound	Elev
(63)	3.1	+3.2	(63)	3.1	+3.2
	3.2	+3.0		2.7	+3.6
	3.2	+3.1		2.3	+4.0
50	3.3	+3.0	50	1.7	+4.6
<u>11/0</u>	3.2	+3.1		1.0	+5.3
	3.3	+3.0		0.9	+5.4
	3.5	+2.8		0.8	+5.5
	3.5	+2.8	Lath N16990	0.0	+6.3
16+00	3.5	+2.8	(Contd. N. MB102, p. 29)		
	3.2	+3.1			
	3.2	+3.1			
	3.2	+3.1			
	3.4	+2.9			
50	3.4	+2.9			
	3.8	+2.5			
	4.0	+2.3			
	4.0				
	4.0				
17+00	4.0				
	4.0	+2.3			

2-6-58

W105+00; 0+00=N. 15,200; SOUND SOUTH

W. 105+00 SOUTH

50

Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev
						(60)	3.9	+2.1	(60)	13.1	7.1
0+00	2.0	+4.0	(60)	3.0	+3.0		3.9			13.4	7.4
(60)	2.2	+3.8	2+00	3.0	+3.0	4+00	3.9		6+00	13.4	7.4
11:33	2.4	+3.6		3.1	+2.9		3.9			13.3	7.3
<u>2.7</u>	+3.3		<u>11:35</u>	2.9	+3.1		3.9	+2.1		13.5	7.5
	2.9	+3.1		2.9	+3.1		4.0	+2.0		13.6	7.6
50	3.0	+3.0		3.1	+2.9		4.0	+2.0		13.6	7.6
	3.0		50	3.0	+3.0	50	4.2	+1.8	50	13.4	7.4
	3.0			3.0			4.1	+1.9		13.0	7.0
	3.0			3.0			4.2	+1.8		13.2	7.2
	3.0			3.0	+3.0		4.8	+1.2		13.3	7.3
1+00	3.0			3.1	+2.9		5.0	+1.0		13.1	7.1
	3.0		3+00	3.9	+2.1	5+00	5.4	+0.6	7+00	13.1	7.1
	3.0			3.5	+2.5		6.4	0.4		13.0	7.0
	3.0			3.4	+2.6		8.1	2.1		12.9	6.9
	3.0			3.4	+2.6		10.0	4.0		12.9	6.9
50	3.0			3.4	+2.6		12.0	6.0		12.8	6.8
	3.0		50	4.0	+2.0	50	12.7	6.7	50	12.4	6.4
	3.0			3.8	+2.2		13.0	7.0		11.8	5.8
	3.0	+3.0		3.5	+2.5		13.1	7.1		8.2	2.2

W105+00 SOUTH			2-6-58		
Dist	Sound	Elev	Dist	Sound	Elev
(60)	7.3	1.3	(59)	1.4	+4.5
<u>1140</u>	7.0	1.0		1.4	+4.5
<u>8+00</u>	6.8	0.8	<u>1145</u>	1.4	+4.5
SOUND NORTH			2+00	1.8	+4.1
0+10	2.0	+3.9		1.6	+4.3
(59)	2.5	+3.4		1.5	+4.4
<u>1143</u>	2.1	+3.8		1.4	+4.5
	2.0	+3.9		1.4	+4.5
50	2.0	+3.9	50	1.3	+4.6
	1.8	+4.1		1.3	
	1.7	+4.2		1.3	
	1.8	+4.1		1.3	
	1.7	+4.2		1.3	+4.6
1+00	1.7	+4.2	3+00	1.2	+4.7
	1.7	+4.2		1.2	
	1.6	+4.3		1.2	
	1.6	+4.3		1.2	
	1.5	+4.4		1.2	
50	1.5	+4.4	50	1.2	
	1.5	+4.4		1.2	+4.7

W105+00 NORTH			51		
Dist	Sound	Elev	Dist	Sound	Elev
(59)	1.2	+4.7	(58)	2.0	+3.8
	1.2	+4.7	<u>1148</u>	2.1	+3.7
	1.1	+4.8		2.1	
4+00	1.1		6+00	2.1	
	1.1			2.1	+3.7
	1.1	+4.8		2.2	+3.6
	1.2	+4.7		2.2	+3.6
	1.2	+4.7		2.4	+3.4
50	1.2	+4.7	50	3.1	+2.7
	1.1	+4.8		3.1	+2.7
	1.0	+4.9		3.9	+1.9
	0.9	+5.0		3.9	+1.9
	1.0	+4.9		3.6	+2.2
5+00	1.0	+4.9	7+00	3.4	+2.4
	1.0	+4.9		3.8	+2.0
	0.9	+5.0		4.0	+1.8
	1.0	+4.9		3.9	+1.9
	1.0	+4.9		3.9	+1.9
50	0.8	+5.1	50	3.9	+1.9
	0.9	+5.0		3.6	+2.2

W. 105+00 CONTD NORTH 2-6-58

DIST	Sound	Elev	DIST	Sound	Elev
(58)	3.6	+2.2	(58)	1.2	+4.6
	3.5	+2.3		1.1	+4.7
	3.2	+2.6		1.0	+4.8
8+00	3.2	+2.6	10+00	1.0	+4.8
11.50	3.2	+2.6		0.9	+4.9
	3.1	+2.7		0.9	+4.9
	3.1	+2.7		1.0	+4.8
	2.9	+2.9	Loth	1.0	+4.8
50	2.8	+3.0	N16250 50	0.8	+5.0
	2.4	+3.4			
	2.4	+3.4			
	2.2	+3.6			
	2.1	+3.7			
9+00	2.0	+3.8	11+00		
	2.0	+3.8			
	2.0	+3.8			
	1.7	+4.1			
	1.2	+4.6			
50	1.3	+4.5	50		
	1.2	+4.6			

W. 104+00; 0+00 = N15,200; SOUND SOUTH

DIST	Sound	Elev	DIST	Sound	Elev
0+00	1.0	+3.6	(47)	1.7	+3.0
(47)	1.0	+3.7	2+00	1.8	+2.9
12+00	1.0			1.8	
	1.0			1.8	
	1.0			1.8	
50	1.0	+3.7		1.8	+2.9
	1.2	+3.5	50	2.0	+2.7
	1.3	+3.4	50	1.9	+2.8
	1.7	+3.0		1.9	+2.8
	1.7	+3.0		1.9	+2.8
1+00	1.8	+2.9		2.0	+2.7
	1.7	+3.0	3+00	2.0	+2.7
	1.7			2.0	+2.7
	1.7			2.1	+2.6
	1.7			2.2	+2.5
50	1.7			2.5	+2.2
	1.7		50	2.2	+2.5
	1.7			2.4	+2.3
	1.7	+3.0		2.1	+2.6

W. 104+00 SOUTH 2-6-58					
Dist	Sound	Elev	Dist	Sound	Elev
(4.7)	2.3	+2.4	(5.5)	0.9	+4.6
<u>1245</u>	2.3	+2.4		0.9	
4+00	2.7	+2.0		0.9	
SOUND NORTH			2+00	0.9	+4.6
0+10	1.4	+4.1		0.8	+4.7
(5.5)	1.5	+4.0		0.8	+4.7
<u>12104</u>	1.5			0.7	+4.8
	1.5			0.8	+4.7
50	1.5		50	0.8	+4.7
	1.5			0.7	+4.8
	1.5			0.7	
	1.5	+4.0		0.7	
	1.7	+3.8		0.7	
1+00	1.4	+4.1	3+00	0.7	
	1.3	+4.2		0.7	+4.8
	1.2	+4.3		0.8	+4.7
	1.0	+4.5		1.1	+4.4
	0.9	+4.6		1.0	+4.5
50	0.9	+4.6	50	0.8	+4.7
	0.9	+4.6		1.0	+4.5

W. 104+00 NORTH					
Dist	Sound	Elev	Dist	Sound	Elev
(5.4)	1.0	+4.4	(5.4)	3.5	+1.9
	1.0			3.1	+2.3
	1.0			2.7	+2.7
4+00	1.0	+4.4	6+00	2.4	+3.0
	1.1	+4.3		2.1	+3.3
<u>12108</u>	1.2	+4.2		1.5	+3.9
	1.2	+4.2		1.3	+4.1
	1.6	+3.8	Loth	1.2	+4.2
50	2.8	+2.6	N158 50	1.0	+4.0
	3.9	+1.5	50		
	3.3	+2.1			
	3.0	+2.4			
	2.8	+2.6			
5+00	3.0	+2.4	7+00		
	3.0	+2.4			
	3.0	+2.4			
	3.2	+2.2			
	4.0	+1.4			
50	4.1	+1.3	50		
	4.0	+1.4			

2-6-58

W. 103+20; 0+00 = N 15, 200; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00	1.7	+3.5	(52)	2.0	+3.2
(52)	1.7		2+00	2.0	+3.2
<u>12:20</u>	1.7			2.3	+2.9
	1.7			2.5	+2.7
	1.7	+3.5		2.4	+2.8
50	1.8	+3.4		2.8	+2.4
	1.8	+3.4	50	3.0	+2.2
	1.9	+3.3		3.7	+1.5
	2.0	+3.2		4.2	+1.0
	2.0			4.0	+1.2
1+00	2.0			4.0	+1.2
	2.0		3+00	4.0	+1.2
	2.0			3.7	+1.5
	2.0			3.0	+2.2
	2.0			2.9	+2.3
60	2.0			2.8	+2.4
	2.0		50	2.7	+2.5
	2.0			2.7	+2.5
	2.0	+3.2		2.8	+2.4

W 103+00 NORTH

Dist	Sound	Elev	Dist	Sound	Elev
(52)	2.8	+2.4	(50)	1.6	+3.4
	2.9	+2.3		1.6	+3.4
4+00	3.9	+1.3		1.7	+3.3
	3.8	+1.4	50	1.7	+3.3
	3.0	+2.2		1.6	+3.4
	2.0	+3.2		1.7	+3.3
Lat	1.2	+4.0		1.7	
113650	1.0	+4.2		1.7	
(1000 N. MB 102 P. 29)				1.7	
SOUND SOUTH			2+00	1.7	
0+10	1.5	+3.5		1.7	+3.3
(50)	1.8	+3.2		1.8	+3.2
<u>12:28</u>	1.8	+3.2		1.7	+3.3
	1.4	+3.6		1.8	+3.2
50	1.3	+3.7	50	1.8	
	1.2	+3.8		1.8	
	1.2	+3.8		1.8	
	1.2	+3.8		1.8	
	1.3	+3.7		1.8	+3.2
1+00	1.4	+3.6	3+00	1.9	+3.1
	1.4	+3.6		2.1	+2.9

W. 103+00 SOUND SOUTH 2-6-58			W. 103+00 SOUND SOUTH		
Dist	Sound	Elev	Dist	Sound	Elev
(30)	2.0	+3.0	(50)	10.7	5.7
	2.0	+3.0		10.7	5.7
	2.1	+2.9		10.9	5.4
50	2.1	+2.9	50	10.3	5.3
	2.8	+2.2		10.5	5.5
1230	2.7	+2.3		10.9	5.9
<u>2</u>	2.5	+2.5		11.2	6.2
	2.5	+2.5		11.2	6.2
4+00	2.8	+2.2	6+00	11.3	6.3
	2.7	+2.3		12.1	7.1
	2.7	+2.3		12.3	7.3
	3.0	+2.0		12.8	7.8
	3.0	+2.0		12.4	7.4
50	3.8	+1.2	50	12.3	7.3
	4.8	+0.2		12.2	7.2
	6.1	1.1		12.0	7.0
	8.3	3.3		11.5	6.5
	9.4	4.4		11.0	6.0
5+00	10.0	5.0	7+00	10.2	5.2
	10.8	5.8		9.1	4.1

W. 103+00 SOUTH		
Dist	Sound	Elev
(40)	7.7	2.8
1235	6.8	1.9
<u>2</u>	6.1	1.2
50	5.9	1.0
	5.9	1.0
	5.9	1.0
	5.7	0.8
	5.6	0.7
8+00	5.9	1.0

2-7-50

N143+00; 0+00 = W14200; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	3.1	+1.6			
(47)	3.0	+1.7			
<u>9112</u>	2.8	+1.9			
<u> </u>	2.6	+2.1			
	2.2	+2.5			
50	1.8	+2.9			
	1.1	+3.6			
W14270	0.5	+4.2			

SOUND EAST

0+10	3.2	+1.5
(48)	3.3	+1.4
<u>915</u>	3.2	+1.5
<u> </u>	3.2	(
50	3.2)
	3.2	+1.5
	3.3	+1.4
	3.3	(
	3.3)
1+00	3.3	+1.4

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N142+00; 0+00 = W14200; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	3.7	+1.1	(48)	3.6	+1.2
(48)	3.7	+1.1		3.5	+1.3
<u>316</u>	4.0	+0.8		3.5	~
<u> </u>	4.0	+0.8	1+00	3.5	+1.3
	3.6	+1.2			
50	3.3	+1.5			
	3.1	+1.7			
	2.8	+2.0			
	2.2	+2.6			
	1.7	+3.1			
1+00	1.0	+3.8			
W14310	0.4	+4.4			

SOUND EAST

0+10	3.7	+1.1
	3.8	+1.0
<u>922</u>	3.7	+1.1
<u> </u>	3.6	+1.2
50	3.5	+1.3
	3.6	+1.2

2-7-58

N141+00; 0+00 = W. 14200; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00 11.1 6.2 SOUND EAST

(49) 10.5 5.6 0+10 11.2 6.3

9:22 10.0 5.1 (49) 11.2 6.39.0 4.1 9:30 11.3 6.4

8.6 3.7 11.2 6.3

50 7.7 2.8 50 11.2 ~

7.0 2.1 11.2 6.3

6.6 1.7 11.0 6.1

6.1 1.2 10.7 5.8

5.5 0.6 10.4 5.5

1+00 5.0 0.1 1+00 10.2 5.3

4.2 +0.7

3.8 +1.1

3.1 +1.8

2.6 +2.3

50 2.0 +2.9

1.4 +3.5

0.9 +4.0

W14380 0.1 +4.8

57

N140+00; 0+00 = W. 14200; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00 5.6 0.5 (51) 11.3 6.2

(51) 5.9 0.8 2+00 10.2 5.1

9:35 6.2 1.1 8.6 3.56.2 1.1 7.3 2.2

7.1 2.0 5.9 0.8

50 8.0 2.9 4.2 +0.9

9.2 4.1 50 3.4 +1.7

9.2 4.1 3.0 +2.1

10.3 3.2 2.4 +2.7

11.1 6.0 1.9 +3.2

1+00 12.0 6.9 1.4 +3.7

12.6 7.5 3+00 0.8 +4.3

12.9 7.8 W14510 0.3 +4.8

13.1 8.0 SOUND EAST

13.1 8.0 0+10 5.7 0.6

50 13.2 8.1 5.8 0.7

13.2 8.1 9:43 5.8 0.7

13.0 7.9 6.0 0.9

12.1 7.0 50 5.9 0.8

N140+00 SOUND EAST 2-7-58
 Dist Sound Elev Dist Sound Elev

(52)	5.8	0.6	(52)	10.6	5.4
	5.8	0.6	945	10.2	5.0
	5.9	0.7		10.1	4.9
	5.9	0.7		9.7	4.5
1+00	6.0	0.8	3+00	9.3	4.1
	6.1	0.9		8.8	3.6
	6.4	1.2		8.1	2.9
	6.8	1.6		7.2	2.0
	7.1	1.9		6.9	1.7
50	7.3	2.1	50	6.3	1.1
	8.0	2.8		5.9	0.7
	8.3	3.1		5.6	0.4
	8.7	3.5		5.3	0.1
	9.3	4.1		5.2	0.0
2+00	9.6	4.4	4+00	5.0	+0.2
	9.9	4.7		4.9	+0.3
	10.2	5.0		4.6	+0.6
	10.4	5.2		4.3	+0.9
	10.7	5.5		4.2	+1.0
50	10.8	5.6	50	4.2	+1.0

N140+00 EAST (58)
 Dist Sound Elev Dist Sound Elev

(52)	4.1	+1.1			
	4.0	+1.2			
	4.0	+1.2			
	3.9	+1.3			
5+00	3.8	+1.4	7+00		
	3.7	+1.5			
	3.9	+1.3			
	3.9	+1.3			
	4.1	+1.1			
50	4.3	+0.9	50		
	4.5	+0.7			
	5.1	+0.1			
	6.1	+0.9			
	11.3	6.1			
6+00	15.0	9.8	8+00		
	16.3	11.1			
	16.3	11.1			
	16.3	11.1			
	16.2	11.0			
50	16.1	10.9			

2-7-58

N139+00; 0+00 = W14, 200; SOUND WEST

N139+00 WEST

(59)

DIST	SOUND	ELEV	DIST	SOUND	ELEV	DIST	SOUND	ELEV	DIST	SOUND	ELEV
						(53)	2.7	+2.6	50	5.9	0.4
0+00	5.0	+0.3	(53)	8.3	3.0		2.1	+3.2	(55)	6.0	0.5
(53)	4.9	+0.4	2+00	9.8	4.5	4+00	1.7	+3.6		6.0	~
<u>9.53</u>	5.0	+0.3	<u>9.55</u>	10.6	5.3		1.2	+4.1		6.0	0.5
	4.8	+0.5		11.2	5.9	W14620	0.7	+4.6		6.1	0.6
	4.8			11.3	6.0	SOUND EAST			2+00	6.2	0.7
50	4.8			11.5	6.2	0+10	5.0	+0.5		6.2	0.7
	4.8	+0.5	50	11.5	6.2	(55)	5.2	+0.3		6.1	0.6
	4.6	+0.7		11.4	6.1	<u>1000</u>	5.1	+0.4		6.3	0.8
	4.5	+0.8		11.4	6.1		5.4	+0.1		6.3	~
	4.7	+0.6		11.1	5.8	50	5.6	0.1	50	6.3	0.8
1+00	4.5	+0.8		10.8	5.3		5.8	0.3		6.2	0.7
	4.6	+0.7	3+00	9.0	3.7		5.8	~		6.4	0.9
	4.6	+0.7		5.1	+0.2		5.8	0.3		6.8	1.3
<u>2+00</u>	4.9	+0.4		4.3	+1.0		5.9	0.4		7.2	1.7
	5.1	+0.2		3.8	+1.5	1+00	5.9		3+00	7.5	2.0
50	5.4	0.1		3.2	+2.1		5.9			8.0	2.5
	6.0	0.7	50	3.0	+2.3		5.9	0.4		8.6	3.1
	6.7	1.4		3.0	+2.3		6.0	0.5		9.0	3.5
	7.3	2.0		2.9	+2.4		6.0	0.5		9.3	4.8

N. 139+00; SOUND EAST 2-7-58

Dist Sound Elev Dist Sound Elev

50	9.9	4.4	50	5.7	0.2
(55)	10.4	4.9	(55)	5.9	0.4
	10.2	4.7	10.05	5.9	0.4
	10.3	4.8		6.8	1.3
	10.3	4.8		9.9	4.4
4+00	10.2	4.7	6+00	13.1	7.6
	10.3	4.8		15.8	8.3
	10.0	4.5		17.0	11.5
	9.8	4.3		16.9	11.4
	9.0	3.5		17.0	11.5
50	8.8	3.3	50	16.8	11.3
	8.2	2.7		16.6	11.1
	7.8	2.3		16.5	11.0
	7.3	1.8		16.6	11.1
	6.7	1.2		16.4	10.9
5+00	6.5	1.0	7+00	16.2	10.7
	6.4	0.9			
	6.1	0.6			
	6.0	0.5			
	6.0	0.5			

N. 138+00; 0+00 = W. 14200; SOUND WEST ⁽⁶⁰⁾

Dist Sound Elev Dist Sound Elev

0+00	5.2	+0.3	(55)	4.7	+0.8
(55)	5.0	+0.5	2+00	4.7	+0.8
10/10	5.0			4.6	+0.9
	5.0			4.8	+0.7
	5.0			4.8	+0.7
50	5.0	+0.5		5.0	+0.5
	4.9	+0.6	50	5.0	+0.5
	4.9			5.4	+0.1
	4.9			5.7	0.2
	4.9	+0.6		6.2	0.7
1+00	4.8	+0.7		7.1	1.6
	4.8		3+00	7.7	2.2
	4.8	+0.7		9.3	3.8
	4.9	+0.6		10.6	5.1
	4.8	+0.7		11.7	6.2
50	4.8			12.0	6.5
	4.8		50	12.5	7.0
	4.8	+0.7		12.7	7.2
	4.7	+0.8		12.7	7.2

N. 138+00 SOUND WEST 2-7-58			N. 138+00; SOUND EAST		
Dist	Sound	Elev	Dist	Sound	Elev
(56)	12.1	6.5	50	6.0	0.4
	11.8	6.2	(56)	6.0	0.4
4+00	10.7	5.1		5.9	0.3
10/15	9.3	3.7		5.8	0.2
<u> </u>	8.8	3.2		5.7	0.1
	8.0	2.4	1+00	5.5	+0.1
	7.2	1.6		5.4	+0.2
50	5.8	0.2		5.4	+0.2
	4.2	+1.4		5.5	+0.1
	3.2	+2.4		5.6	0.0
	2.9	+2.7	50	5.5	+0.1
	2.1	+3.5		5.6	0.0
5+00	1.7	+3.9		5.7	0.1
	1.0	+4.6		5.9	0.3
W/4720	0.2	+5.4		5.9	~
SOUND EAST			2+00	5.9	0.3
0+10	5.4	+0.2		6.0	0.4
	5.6	0.0		6.0	(
10/20	5.8	0.2		6.0)
<u> </u>	5.8	0.2		6.0	0.4

N. 138+00; SOUND EAST			SOUND EAST (6)		
Dist	Sound	Elev	Dist	Sound	Elev
50	6.2	0.6	50	7.9	2.2
(56)	6.1	0.5	(57)	8.0	2.3
	6.2	0.6		8.5	2.8
	6.5	0.5		9.2	3.5
	6.5	0.5		9.9	4.2
3+00	6.3	0.7	5+00	10.0	4.3
	7.0	1.4		10.0	4.3
	8.2	2.6		10.2	4.5
	9.8	4.2		10.4	4.7
	12.9	7.3		10.5	4.8
50	13.9	8.3	50	10.6	4.9
	13.7	8.1		10.8	5.1
	13.1	7.5		11.0	5.3
	10.0	4.4		11.7	6.0
	9.4	3.8		14.0	8.3
4+00	8.6	3.0	6+00	16.8	11.1
	8.0	2.4		18.5	12.8
	7.4	1.8		18.9	13.2
	7.5	1.9		18.7	13.0
	7.4	1.8		18.2	12.5

N. 138+00 SOUND EAST 2-7-58
 DIST SOUND Elev DIST SOUND Elev

50	183	12.6	50	16.5	10.8
(57)	183	12.6	(57)	16.8	11.1
<u>1025</u>	185	12.8		16.9	11.2
	182	12.5		16.9	11.2
	182	12.5		17.1	11.4
7+00	18.0	12.3	9+00	17.2	11.5
	17.9	12.2		17.7	12.0
	17.9	12.2		17.8	12.1
	17.7	12.0		17.8	12.1
	17.0	11.3		17.9	12.2
50	17.0	11.3	50	17.9	12.2
	17.1	11.4		18.0	12.3
	17.0	11.3		18.1	12.4
	17.1	11.4		17.8	12.1
	17.2	11.5		17.8	12.1
8+00	16.9	11.2	10+00	17.5	11.8
	16.9	11.2		17.1	11.4
	17.0	11.3		17.0	11.3
	16.8	11.1		16.9	11.2
	16.4	10.7		16.7	11.0

N. 138+00 EAST 62
 DIST SOUND Elev DIST SOUND Elev

50	16.9	11.2	50	19.7	13.9
(57)	16.8	11.1	(58)	19.9	14.1
	16.8	~	<u>1030</u>	19.2	13.4
	16.8	11.1		19.5	13.7
	16.9	11.2		19.9	14.1
11+00	16.8	11.1	13+00	20.0	14.2
	16.4	10.7		19.9	14.1
	16.5	10.8		19.3	13.5
	16.6	10.9		19.3	13.5
	16.6	10.9		19.0	13.2
50	17.1	11.4	50	19.1	13.3
	17.2	11.5		19.0	13.2
	17.3	11.6		19.2	13.4
	17.6	11.9		19.1	13.3
	17.9	12.2		18.9	13.1
12+00	19.0	13.3	14+00	18.8	13.0
	19.9	14.2		18.6	12.8
	20.3	14.6		18.7	12.9
	19.9	14.2		18.3	12.5
	19.3	13.6		18.1	12.3

N138+00 SOUND EAST 2-7-58
 DIST SOUND Elev DIST SOUND Elev

50	18.0	12.2	50	5.2	+0.6
(58)	17.8	12.0	(58)		
	17.5	11.7			
	16.9	11.1			
	16.4	10.4			
15+00	16.0	10.2	17+00		
	15.7	9.9			
	15.3	9.5			
	15.0	9.2			
	14.8	9.0			
50	14.3	8.5			
	14.3	8.5			
	14.0	8.2			
	13.0	7.2			
	8.0	2.2			
16+00	7.0	1.2			
	6.2	0.4			
	5.7	+0.1			
	5.4	+0.4			
	5.4	+0.4			

N137+00; 0+00 = N14,200; SOUND WEST (63)

DIST	SOUND	Elev	DIST	SOUND	Elev
0+00	5.2	+0.7	(59)	4.6	+1.3
(59)	5.2		2+00	4.5	+1.4
1043	5.2		1045	4.4	+1.5
<u>5.2</u>	+0.7		<u>4.4</u>		
	5.1	+0.8		4.4	
50	5.1	+0.8		4.4	
	5.0	+0.9	50	4.4	+1.5
	5.0			4.3	+1.6
	5.0			4.3	+1.6
	5.0	+0.9		4.3	+1.6
1+00	4.9	+1.0		4.3	+1.6
	4.9	+1.0	3+00	4.6	+1.3
	4.8	+1.1		4.8	+1.1
	4.8	+1.1		5.0	+0.9
	4.7	+1.2		5.2	+0.7
50	4.7			5.4	+0.5
	4.7		50	5.8	+0.1
	4.7			6.2	0.3
	4.7	+1.2		6.7	0.8

N. 137+00 SOUND WEST 2-7-58

	Dist	Sound	Elev	Dist	Sound	Elev
(59)	7.5	1.6	W14780	0.3		+5.6
	8.9	3.0	SOUND EAST			
4+00	10.3	4.3	0+10	5.2		+0.7
	12.0	6.1	(59)	5.3		+0.6
	12.5	6.6	<u>1053</u>	5.2		+0.7
	13.0	7.1	<u>50</u>	5.3		+0.6
	13.3	7.4	50	5.6		+0.3
50	13.4	7.5		5.8		+0.1
	13.2	7.3		5.8		
	13.1	7.2		5.8		
	12.7	6.8		5.8		+0.1
	12.1	6.2	1+00	5.9		0.0
5+00	10.6	4.7		6.0		0.1
	8.3	2.4		6.0		0.1
	6.0	0.1		6.1		0.2
	4.8	+1.1		6.1		0.2
	3.3	+2.6	50	5.8		+0.1
50	2.8	+3.1		5.6		+0.3
	1.9	+4.0		5.4		+0.5
	1.1	+4.8		5.3		+0.6

N. 137+00 EAST

	Dist	Sound	Elev	Dist	Sound	Elev
(59)	5.3	+0.6	(59)	16.2		10.3
2+00	5.3	+0.6	4+00	16.0		10.1
	5.9	0.0	<u>1055</u>	16.0		10.1
	6.3	0.4		15.7		9.8
	6.8	0.9		15.8		9.9
	8.0	2.1		15.9		10.0
50	10.3	4.4	50	15.6		9.7
	11.9	6.0		15.8		9.9
	13.7	7.8		15.3		9.4
	15.2	9.3		15.7		9.8
	17.0	11.1		15.8		9.9
3+00	17.3	11.4	5+00	16.0		10.1
	17.4	11.5		16.1		10.2
	17.5	11.6		16.4		10.5
	17.2	11.3		17.3		11.4
	16.7	10.8		18.1		12.2
50	16.3	10.4	50	18.0		12.1
	16.2	10.3		17.8		11.9
	16.2	10.3		17.4		11.5
	16.2	10.3		17.3		11.4

N. 137+00 SOUND EAST

DIST SOUND Elev DIST SOUND Elev

DIST	SOUND	Elev	DIST	SOUND	Elev
(59)	18.0	12.1			
6+00	18.0	12.1	8+00		
	18.0	12.1			
	18.0	12.1			
	17.9	12.0			
	17.6	11.7			
50	17.3	11.4			
7+00					
50					

2-7-58

(65)

N. 136+00; 0+00 = W. 14, 200; SOUND WEST

DIST SOUND Elev DIST SOUND Elev

DIST	SOUND	Elev	DIST	SOUND	Elev
0+00	5.2	+0.8	(60)	4.6	+1.4
(60)	5.0	+1.0	2+00	4.6	+1.4
1105	5.0	~		4.4	+1.6
✓	5.0	+1.0		4.5	+1.5
	4.9	+1.1		4.3	+1.7
50	4.9			4.3	~
	4.9		50	4.3	+1.7
	4.9			4.2	+1.8
	4.9			4.3	+1.7
	4.9	+1.1		4.3	+1.7
1+00	4.8	+1.2		4.2	+1.8
	4.8	+1.2	3+00	4.2	
	4.9	+1.1		4.2	
	4.9	+1.1		4.2	+1.8
	5.0	+1.0		4.4	+1.6
50	5.1	+0.9		4.6	+1.4
	5.0	+1.0	50	4.9	+1.1
	4.7	+1.3		5.2	+0.8
	4.5	+1.5		5.5	+0.5

W.136+00; SOUND WEST 2-7-58

Dist Sound Elev Dist Sound Elev

(60) 5.9 +0.1 (60) 2.0 +4.0

6.0 0.0 W14790 1.0 +5.0

4+00 6.2 0.2 6+00

6.7 0.7 SOUND EAST

7.3 1.3 0+10 5.0 +1.0

8.0 2.0 " 5.0 +1.0

9.5 3.5 11/15 5.2 +0.8

50 11.2 5.2 5.2 +0.8

12.3 6.3 50 5.3 +0.7

11/10 13.7 7.7 5.5 +0.5

14.0 8.0 5.5

13.9 7.9 5.5

5+00 13.8 7.8 5.5 +0.5

13.5 7.5 1+00 5.7 +0.3

12.6 6.6 5.6 +0.4

11.0 5.0 5.7 +0.3

8.2 2.2 5.7 +0.3

50 6.0 0.0 5.8 +0.2

4.0 +2.0 50 5.9 +0.1

3.0 +3.0 6.8 0.8

W.136+00; SOUND EAST (66)

Dist Sound Elev Dist Sound Elev

(60) 8.3 2.3 (60) 17.2 11.2

11.2 5.2 17.1 11.1

15.7 9.7 16.9 10.9

2+00 19.0 13.0 4+00 16.9 10.9

20.0 14.0 16.7 10.7

20.0 14.0 16.8 10.8

19.8 13.8 16.8 10.8

19.1 13.1 16.9 10.9

50 19.0 13.0 50 17.0 11.0

18.9 12.9 17.1 11.1

19.0 13.0 17.5 11.5

19.0 13.0 17.5 11.5

18.8 12.8 17.2 11.2

3+00 18.8 12.8 5+00 17.2 11.2

18.7 12.7 17.1 11.1

18.6 12.6 17.8 11.8

18.4 12.4 18.0 12.0

18.0 12.0 18.0 12.0

50 17.9 11.9 50 18.0 12.0

17.1 11.1 18.0 12.0

N. 136+00; SOUND EAST 2-7-58
 Dist Sound Elev Dist Sound Elev

(60)	17.0	11.0	(60)	18.5	12.5
11:20	16.5	10.5		17.9	11.9
—	16.5	~		13.8	7.8
6+00	16.5	10.5	8+00	14.0	8.0
	16.6	10.6		14.1	8.1
	16.6	10.6		14.4	8.4
	16.9	10.9		16.0	10.0
	17.0	11.0		17.0	11.0
50	16.9	10.9	50	18.1	12.1
	16.9	10.9		18.9	12.9
	17.0	11.0		19.0	13.0
	17.0	S		19.2	13.2
	17.0	S		19.1	13.1
7+00	17.0	11.0	9+00	19.5	13.5
	17.2	11.2		19.4	13.4
	17.5	11.5		19.6	13.6
	17.7	11.7		19.6	13.6
	18.0	12.0		19.8	13.8
50	18.1	12.1	50	19.8	13.8
	18.6	12.6		20.1	14.1

N 136+00 EAST (67)
 Dist Sound Elev Dist Sound Elev

(60)	20.5	14.5	(60)	17.0	11.0
11:25	21.0	15.0		17.0	~
—	21.0	15.0		17.0	11.0
10+00	21.0	15.0	12+00	16.8	10.8
	20.7	14.7		16.8	10.8
	20.4	14.4		16.5	10.5
	20.3	14.3		16.6	10.6
	20.1	14.1		16.7	10.7
50	19.8	13.8	50	16.9	10.9
	19.6	13.6		16.9	~
	19.1	13.1		16.9	10.9
	19.0	13.1		16.8	10.8
	18.8	12.8		16.5	10.5
11+00	18.3	12.3	13+00	16.5	~
	18.0	12.0		16.5	10.5
	17.8	11.8		16.6	10.6
	17.5	11.5		16.4	10.4
	17.3	11.3		16.7	10.7
50	17.4	11.4	50	16.8	10.8
	17.3	11.3		16.8	10.8

N. 136+00; SOUND EAST 2-7-58
 DIST SOUND ELEV DIST SOUND ELEV

DIST	SOUND	ELEV	DIST	SOUND	ELEV
(60)	16.8	10.8	(60)	16.1	10.1
	16.9	10.9	1130	16.0	10.0
	16.8	10.8	~	16.0	10.0
14+00	17.0	11.0	16+00	16.0	10.0
	17.1	11.1		16.1	10.1
	17.0	11.0		15.9	9.9
	17.1	11.1		15.2	9.2
	16.8	10.8		14.2	8.2
50	16.8	10.8	50	9.8	3.8
	17.0	11.0		9.5	3.5
	17.1	11.1		9.2	3.2
	17.1	11.1		9.0	3.0
	17.1	11.1		9.0	3.0
15+00	17.3	11.3	17+00	8.9	2.9
	17.0	11.0			
	17.0	11.0			
	16.7	10.7			
	16.4	10.4			
	16.3	10.3			
	16.0	10.0			

N. 135+00; 0+00-W. 14,200; SOUND WEST (68)
 DIST SOUND ELEV DIST SOUND ELEV

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00	4.5	+1.4	(59)	4.3	+1.6
(59)	4.6	+1.3	2+00	4.2	+1.7
11+40	4.6	§		4.2	+1.7
~	4.6	§		4.1	+1.8
	4.6	+1.3		4.2	+1.7
50	4.5	+1.4		4.2	~
	4.4	+1.5	50	4.2	+1.7
	4.5	+1.4		4.0	+1.9
	4.5	~		4.0	+1.9
	4.5	+1.4		4.1	+1.8
14+00	4.4	+1.5		4.1	§
	4.4	~	3+00	4.1	§
	4.4	+1.5		4.1	+1.8
	4.4	+1.5		4.0	+1.9
	4.3	+1.6		4.0	+1.9
50	4.3	+1.6		4.1	+1.8
	4.2	+1.7	50	4.2	+1.7
	4.2	+1.7		4.3	+1.6
	4.2	+1.7		4.7	+1.2

N135+00 SOUND WEST 2-7-58			N135+00 EAST		
Dist	Sound	Elev	Dist	Sound	Elev
(58)	5.2	+0.6	(58)	2.0	+3.8
	5.4	+0.4	1145	1.1	+4.7
4+00	6.0	0.2	^{W14800} 6+00	0.1	+5.7
	6.3	0.5	SOUND EAST		
	6.8	1.0	0+10	4.5	+1.3
	7.5	1.7	(58)	4.6	+1.2
	8.5	2.5	1148	4.7	+1.1
50	9.6	3.8	—	4.7	+1.1
	11.0	5.2	50	4.6	+1.2
	11.6	5.8		4.7	+1.1
	12.4	6.6		4.7	
	12.7	6.9		4.7	
5+00	12.4	6.6	7+00	4.7	
	12.0	6.2	1+00	4.7	
	11.3	5.5		4.7	
	10.2	4.2		4.7	
	7.9	2.1		4.7	
50	5.8	0.0		4.7	+1.1
	4.1	+1.7	50	5.3	+0.5
	3.0	+2.8		5.7	+0.1

N135+00 EAST			N135+00 EAST (69)		
Dist	Sound	Elev	Dist	Sound	Elev
(58)	6.4	0.6	(58)	16.6	10.8
0+00	8.9	3.1		16.5	10.7
	13.0	7.2	2+00	16.4	10.6
2+00	16.4	10.6	4+00	16.6	10.8
1150	18.0	12.2		16.6	10.8
—	18.5	12.7		16.5	10.7
	18.4	12.6		16.3	10.5
	18.4	12.6		16.2	10.4
50	18.3	12.5	50	16.2	10.4
	18.0	12.2		16.1	10.3
	17.8	12.0		16.0	10.2
	17.7	11.9		15.9	10.1
	17.5	11.7	5+00	16.0	10.2
3+00	17.4	11.6	5+00	15.9	10.1
	17.3	11.5		15.8	10.0
	17.2	11.4		15.7	9.9
	17.2	11.4		15.7	9.9
	17.2	11.4	50	15.8	10.0
50	17.0	11.2	50	16.0	10.2
	17.0	11.2			

2-7-58

N134+00: 0+00 = W. 14,200' SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	3.5	+1.5	(50)	3.2	+1.8
(50)	3.5	~	2+00	3.2	~
<u>12.50</u>	3.5	+1.5		3.2	+1.8
	3.4	+1.6		3.3	+1.7
	3.3	+1.7		3.3	+1.7
50	3.4	+1.6		3.2	+1.8
	3.4	+1.6	50	3.2	
	3.5	+1.5		3.2	
	3.4	+1.6		3.2	+1.8
	3.3	+1.7		3.1	+1.9
1+00	3.4	+1.6		3.1	
	3.4		3+00	3.1	
	3.4			3.1	
	3.4			3.1	
	3.4	+1.6		3.1	
50	3.2	+1.8		3.1	
	3.2		50	3.1	+1.9
	3.2			3.3	+1.7
	3.2	+1.8		3.9	+1.1

N134+00 SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
(49)	4.2	+0.7	(49)	1.9	+3.0
	4.7	+0.2	W14790	1.0	+3.9
4+00	5.0	0.1	6+00		
	5.2	0.3	SOUND EAST		
	5.6	0.7	0+10	3.5	+1.4
	6.3	1.4	(49)	3.5	~
	7.2	2.3	<u>12.58</u>	3.5	+1.4
50	8.4	3.5	~	3.3	+1.6
	9.6	4.7	50	3.3	
	10.4	5.5		3.3	
	11.1	6.2		3.3	
	11.5	6.6		3.3	
5+00	11.5	6.6		3.3	
	11.2	6.3	1+00	3.3	+1.6
	10.7	5.8		3.2	+1.7
	9.9	5.0		3.2	
	8.0	3.1		3.2	
50	6.0	1.1		3.2	+1.7
	3.8	+1.1	50	3.3	+1.6
	2.8	+2.1		3.4	+1.5

N.134+00 SOUND EAST 2-7-58				
Dist	Sound	Elev	Dist	Sound Elev
(49)	33	+1.6	(49)	14.5 9.6
	33	~	1:00	16.1 11.2
	33	+1.6	—	16.8 11.9
2+00	3.9	+1.0	4+00	17.2 12.3
	3.7	+1.2		17.0 12.1
	3.5	+1.4		17.0 ~
	3.7	+1.2		17.0 12.1
	3.6	+1.3		16.5 11.6
50	4.0	+0.9	50	16.0 11.1
	3.5	+1.4		15.3 10.4
	3.7	+1.2		15.1 10.2
	3.8	+1.1		15.1 10.2
	4.2	+0.7		15.2 10.3
3+00	4.9	0.0	5+00	15.3 10.4
	5.9	1.0		15.4 10.5
	7.9	3.0		15.8 10.9
	9.5	4.6		15.9 11.0
	11.6	6.7		15.9 11.0
50	13.2	8.3	50	16.2 11.3
	13.2	8.3		16.4 11.5

N.134+00; EAST (7)				
Dist	Sound	Elev	Dist	Sound Elev
(49)	17.0	12.1	(48)	12.7 7.9
	17.1	12.2	1:05	12.9 8.1
	17.3	12.4	—	13.0 8.2
6+00	17.9	13.0	8+00	13.4 8.6
	18.0	13.1		13.3 8.5
	18.0	~		13.6 8.8
	18.0	13.1		13.9 9.1
	18.1	13.2		13.6 8.8
50	16.2	11.3	50	13.8 9.0
	14.9	10.0		14.0 9.2
	14.0	9.1		14.2 9.4
	12.6	7.7		14.4 9.6
	12.3	7.4		14.5 9.7
7+00	12.2	7.3	9+00	14.9 10.1
	12.3	7.4		15.2 10.4
	12.4	7.5		15.4 10.6
	12.4	7.5		15.5 10.7
	12.5	7.6		16.0 11.2
50	12.9	8.0	50	14.7 9.9
	12.8	7.9		14.7 9.9

N. 134+00, SOUND EAST 2-7-58					
Dist	Sound	Elev	Dist	Sound	Elev
(48)	14.7	9.9	(47)	15.3	10.6
	14.7	9.9	<u>1110</u>	15.4	10.7
	14.8	10.0	<u> </u>	15.6	10.9
10+00	14.9	10.1	12+00	15.4	10.7
	15.0	10.2		15.8	11.1
	15.1	10.3		16.0	11.3
	15.0	10.2		16.1	11.4
	15.0	10.2		16.3	11.6
50	15.3	10.5	50	16.3	(
	15.3	~		16.3)
	15.3	10.5		16.3	11.6
	15.6	10.8		16.0	11.3
	15.7	10.9		15.7	11.0
11+00	15.9	11.1	13+00	15.4	10.7
	15.2	10.4		15.5	10.8
	15.3	10.5		15.4	10.7
	15.3	10.5		15.5	10.8
	15.2	10.4		15.5	~
50	15.1	10.3	50	15.5	10.8
	15.3	10.5		15.2	10.5

N. 134+00 EAST			⑫		
Dist	Sound	Elev	Dist	Sound	Elev
(47)	15.2	10.5	(46)	17.3	12.7
	15.2	10.5	<u>1115</u>	17.2	12.6
	15.3	10.6	<u> </u>	17.7	13.1
14+00	15.2	10.5	16+00	17.6	13.0
	15.2	10.5		17.4	12.8
	15.5	10.8		17.4	12.8
	16.8	12.1		17.4	12.8
	17.6	12.9		17.5	12.9
50	18.1	13.4	50	17.8	13.2
	18.1	13.4		17.4	12.8
	18.1	13.4		16.1	11.5
	17.8	13.1		14.1	9.5
	17.7	13.0		10.8	6.2
15+00	17.3	12.6	17+00	7.3	2.7
	17.1	12.4		5.3	0.7
	17.0	12.3		5.0	0.4
	17.2	12.5		5.1	0.5
	17.3	12.6		5.1	~
50	17.4	12.7	50	5.1	0.5
	17.3	12.6			

2-7-58
N.133+00; 0+00 = W.14,200; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	2.9	+1.6	(45)	2.7	+1.8
(45)	3.0	+1.5	2+00	2.6	+1.9
<u>1.25</u>	3.0	+1.5		2.6	+1.9
	2.9	+1.6		2.7	+1.8
	2.9	+1.6		2.5	+2.0
50	2.8	+1.7		2.7	+1.8
	2.8		50	2.7	+1.8
	2.8			2.7	+1.8
	2.8	+1.7		2.6	+1.9
	2.9	+1.6		2.6	
1+00	2.8	+1.7		2.6	
	2.8	+1.7	3+00	2.6	
	2.7	+1.8		2.6	+1.9
	2.7	+1.8		2.8	+1.7
	2.6	+1.9		2.8	~
50	2.7	+1.8		2.8	+1.7
	2.8	+1.7	50	2.9	+1.6
	2.7	+1.8		3.3	+1.2
	2.7	+1.8		3.7	+0.8

N.133+00 WEST (23)

Dist	Sound	Elev	Dist	Sound	Elev
(43)	4.0	+0.5	(45)	1.1	+3.4
	4.2	+0.3	W/4790	0.3	+4.2
4+00	4.8	0.3	6+00		
	5.0	0.5	SOUND EAST		
	5.5	1.0	0+10	2.9	+1.3
	6.0	1.5	(42)	2.9	+1.3
	6.4	1.9	<u>135</u>	2.8	+1.4
50	7.4	2.9		2.8	+1.4
	8.2	3.7	50	2.9	+1.3
	9.1	4.6		2.9	+1.3
	10.0	5.5		3.0	+1.2
	10.6	6.1		3.0	+1.2
5+00	10.5	6.0		2.8	+1.4
	10.5	6.0	1+00	2.9	+1.3
	10.1	5.6		3.0	+1.2
	9.8	5.3		3.0	~
	9.0	4.5		3.0	+1.2
50	6.8	2.3		2.9	+1.3
	4.5	0.0	50	2.8	+1.4
	2.1	+2.4		3.0	+1.2

N.133+00; SOUND EAST 2-7-58

DIST	SOUND	ELEV	DIST	SOUND	ELEV
(42)	2.8	+1.4	(41)	13.5	9.4
	3.0	+1.2		13.4	9.3
	2.9	+1.3	<u>1140</u>	13.5	9.4
2+00	3.0	+1.2	<u>4+00</u>	13.2	9.1
	3.0			13.2	9.1
	3.0			13.3	9.2
	3.0			13.7	9.6
	3.0			14.0	9.9
50	3.0	+1.2	50	15.0	10.9
	3.2	+1.0		14.8	10.7
	3.5	+0.7		14.9	10.8
	3.1	+1.1		15.2	11.1
	3.2	+1.0		15.7	11.6
3+00	3.5	+0.7	3+00	15.9	11.8
	4.0	+0.2		16.4	12.3
	4.9	0.7		17.0	12.9
	6.0	1.8		17.0	12.9
	9.3	5.1		17.1	13.0
50	12.0	7.8	50	17.4	13.3
	13.2	9.0		17.2	13.1

N.133+00. EAST

DIST	SOUND	ELEV	DIST	SOUND	ELEV
(41)	17.2	13.1			
	16.5	12.4			
	12.6	8.5			
6+00	12.0	7.9			
	12.0	7.9			
	11.8	7.7			
	11.8	7.7			
	11.8	7.7			
50	11.8	7.7			
	11.5	7.4			
	11.9	7.8			
	12.0	7.9			
	12.0	7.9			
7+00	11.9	7.8			
50					

2-7-58

N. 132+00 WEST

⑦⑤

N. 132+00; 0+00 = W. 14200; SOUND WEST

Dist Sound Elev

Dist Sound Elev

Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev
			(39)	40	0.1	W. 14280 5+80	0.3	+3.6			
0+00	2.8	+1.2	(39)	2.2	+1.7		4.2	0.3	SOUND EAST		
(40)	2.8	—	2+00	2.2		4+00	4.5	0.6	0+10	2.8	+1.1
<u>1:47</u>	2.8	+1.2	<u>1:50</u>	2.2			5.0	1.1	(39)	2.8	
	2.9	+1.1		2.2			5.3	1.4	<u>1:55</u>	2.8	
	3.0	+1.0		2.2			6.5	2.6		2.8	+1.1
50	3.0			2.2			7.4	3.5	50	2.7	+1.2
	3.0		50	2.2		50	8.2	4.3		2.7	+1.2
	3.0			2.2			8.7	4.8		2.6	+1.3
	3.0			2.2			9.0	5.1		2.6	—
	3.0	+1.0		2.2			9.4	5.5		2.6	+1.3
1+00	3.0	+1.0		2.2			9.5	5.6	1+00	2.4	+1.5
	2.9	+1.1	3+00	2.2		5+00	9.5	5.6		2.6	+1.3
	2.9	+1.1		2.2			9.4	5.5		2.8	+1.1
	2.8	+1.2		2.2	+1.7		9.0	5.7		2.5	+1.4
	2.7	+1.3		2.4	+1.5		7.9	4.0		2.6	+1.3
50	2.5	+1.5		2.8	+1.1		6.0	2.1	50	2.6	—
	2.3	+1.7	50	3.1	+0.8	50	3.9	0.0		2.6	+1.3
	2.2	+1.8		3.4	+0.5		2.7	+1.2		2.5	+1.4
	2.2	+1.8		3.7	+0.2		1.5	+2.4		2.8	+1.1

N.132+00; SOUND EAST, 2-7-58					
Dist	Sound	Elev	Dist	Sound	Elev
(39)	2.7	+1.2	(37)	4.1	0.4
2+00	2.7	~	4+00	4.1	~
	2.7	+1.2	<u>2+00</u>	4.1	0.4
	2.6	+1.3		4.9	1.2
	2.5	+1.4		5.3	1.6
	2.6	+1.3		5.8	2.1
50	2.6	+1.3	50	6.5	2.8
	2.7	+1.2		7.7	4.0
	2.7	{		8.7	5.0
	2.7	}		9.6	5.9
	2.7	+1.2		9.9	6.2
3+00	2.9	+1.0	5+00	10.5	6.8
	3.0	+0.9		10.9	7.2
	3.1	+0.8		11.3	7.6
	3.2	+0.7		12.2	8.5
	3.2	+0.7		12.1	8.4
50	3.5	+0.4	50	11.8	8.1
	3.8	+0.1		11.5	7.8
	3.7	+0.2		11.4	7.7
	3.9	0.0		11.8	8.1

N.132+00; EAST			⑩		
Dist	Sound	Elev	Dist	Sound	Elev
(37)	11.5	7.8	(37)	12.2	8.5
6+00	11.7	8.0	8+00	12.3	8.6
	11.8	8.1		12.0	8.3
	11.8	8.1		12.0	8.3
	11.4	7.7		11.9	8.2
	11.5	7.8		11.9	8.2
50	11.4	7.7	50	11.5	7.8
	11.8	8.1		11.4	7.7
	11.7	8.0		11.2	7.5
	11.7	8.0		11.2	7.5
	11.4	7.7		11.1	7.4
7+00	11.5	7.8	9+00	11.1	7.4
	11.6	7.9		11.2	7.5
	11.9	8.2		11.0	7.3
	11.9	8.2		11.0	7.3
	12.0	8.3		11.0	7.3
50	12.1	8.4	50	11.2	7.5
	12.1	8.4		11.0	7.3
	12.2	8.5		11.1	7.4
	12.2	8.5		11.3	7.6

N. 132+00; SOUND EAST 2-7-58

Dist	Sound	Elev	Dist	Sound	Elev
(37)	11.7	8.0	(37)	11.6	7.9
10+00	12.0	8.3	12+00	10.5	6.8
2:05	11.8	8.1		8.9	5.2
<u> </u>	11.8			6.1	2.4
	11.8			4.8	1.1
	11.8			4.2	0.5
50	11.8		50	4.2	~
	11.8			4.2	0.5
	11.8	8.1		4.6	0.9
	11.7	8.0		4.5	0.8
	11.7	8.0		4.6	0.9
11+00	11.6	7.9	13+00	4.6	0.9
	11.5	7.8		4.7	1.0
	11.4	7.7		5.0	1.3
	11.3	7.6		5.0	1.3
	11.3	7.6		4.6	0.9
50	11.4	7.7	50	4.4	0.7
	11.8	8.1		4.4	~
	11.9	8.2		4.4	0.7
	12.0	8.3		4.6	0.9

N. 132+00; EAST (7)

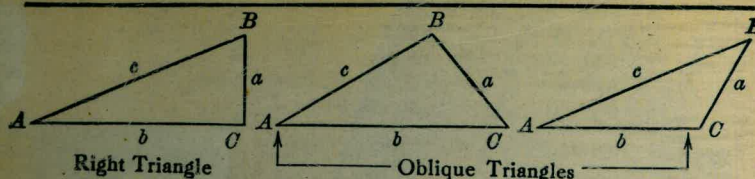
Dist	Sound	Elev	Dist	Sound	Elev
(36)	4.6	1.0	(36)	3.5	+0.1
14+00	4.6	1.0	16+00	3.5	+0.1
	4.6	1.0		3.5	+0.1
	4.4	0.8		3.4	+0.2
210	4.2	0.6		3.0	+0.6
<u> </u>	4.3	0.7		2.6	+1.0
50	4.3	0.7	50	2.5	+1.1
	4.3	0.7			
	4.2	0.6			
	4.0	0.4			
	3.9	0.3			
15+00	3.9	0.3	17+00		
	3.5	+0.1			
	3.5	+0.1			
	3.7	0.1			
	3.7	0.1			
50	3.8	0.2	50		
	3.9	0.3			
	3.5	+0.1			
	3.5	+0.1			

CONTD MB No 106

100	100	100	100	100
101	101	101	101	101
102	102	102	102	102
103	103	103	103	103
104	104	104	104	104
105	105	105	105	105
106	106	106	106	106
107	107	107	107	107
108	108	108	108	108
109	109	109	109	109
110	110	110	110	110
111	111	111	111	111
112	112	112	112	112
113	113	113	113	113
114	114	114	114	114
115	115	115	115	115
116	116	116	116	116
117	117	117	117	117
118	118	118	118	118
119	119	119	119	119
120	120	120	120	120
121	121	121	121	121
122	122	122	122	122
123	123	123	123	123
124	124	124	124	124
125	125	125	125	125
126	126	126	126	126
127	127	127	127	127
128	128	128	128	128
129	129	129	129	129
130	130	130	130	130

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TRIGONOMETRIC FORMULÆ



Solution of Right Triangles

For Angle A . $\sin = \frac{a}{c}$, $\cos = \frac{b}{c}$, $\tan = \frac{a}{b}$, $\cot = \frac{b}{a}$, $\sec = \frac{c}{a}$, $\operatorname{cosec} = \frac{c}{b}$

Given	Required	Formulas
a, b	A, B, c	$\tan A = \frac{a}{b} = \cot B, c = \sqrt{a^2 + b^2} = a \sqrt{1 + \frac{b^2}{a^2}}$
a, c	A, B, b	$\sin A = \frac{a}{c} = \cos B, b = \sqrt{(c+a)(c-a)} = c \sqrt{1 - \frac{a^2}{c^2}}$
A, a	B, b, c	$B = 90^\circ - A, b = a \cot A, c = \frac{a}{\sin A}$
A, b	B, a, c	$B = 90^\circ - A, a = b \tan A, c = \frac{b}{\cos A}$
A, c	B, a, b	$B = 90^\circ - A, a = c \sin A, b = c \cos A$

Solution of Oblique Triangles

Given A, B, a	Required b, c, C	$b = \frac{a \sin B}{\sin A}, C = 180^\circ - (A + B), c = \frac{a \sin C}{\sin A}$
A, a, b	B, c, C	$\sin B = \frac{b \sin A}{a}, C = 180^\circ - (A + B), c = \frac{a \sin C}{\sin A}$
a, b, C	A, B, c	$A + B = 180^\circ - C, \tan \frac{1}{2}(A - B) = \frac{(a - b) \tan \frac{1}{2}(A + B)}{a + b}, c = \frac{a \sin C}{\sin A}$
a, b, c	A, B, C	$s = \frac{a + b + c}{2}, \sin \frac{1}{2}A = \sqrt{\frac{(s - b)(s - c)}{bc}}, \sin \frac{1}{2}B = \sqrt{\frac{(s - a)(s - c)}{ac}}, C = 180^\circ - (A + B)$
a, b, c	Area	$s = \frac{a + b + c}{2}, \text{area} = \sqrt{s(s - a)(s - b)(s - c)}$
A, b, c	Area	$\text{area} = \frac{bc \sin A}{2}$
A, B, C, a	Area	$\text{area} = \frac{a^2 \sin B \sin C}{2 \sin A}$

REDUCTION TO HORIZONTAL

Horizontal distance = Slope distance multiplied by the cosine of the vertical angle. Thus: slope distance = 319.4 ft. Vert. angle = $5^\circ 10'$. From Table, Page IX. $\cos 5^\circ 10' = .9959$. Horizontal distance = $319.4 \times .9959 = 318.09$ ft. Horizontal distance also = Slope distance minus slope distance times (1 - cosine of vertical angle). With the same figures as in the preceding example, the following result is obtained. $\text{Cosine } 5^\circ 10' = .9959, 1 - .9959 = .0041, 319.4 \times .0041 = 1.31, 319.4 - 1.31 = 318.09$ ft. When the rise is known, the horizontal distance is approximately: - the slope distance less the square of the rise divided by twice the slope distance. Thus: rise = 14 ft. slope distance = 302.6 ft. Horizontal distance = $302.6 - \frac{14 \times 14}{2 \times 302.6} = 302.6 - 0.32 = 302.28$ ft.