

MB 121



MICROFILMED
JAN 8 1965

MB No 121

THIS BOOK INDEXED

2/8/62

11-20-59

STA. N. 120+00; 0+00=W19,200; SOUND EAST

Dist Sound Elev Dist Sound Elev

0+00			(51)	14.6	9.5
(50)			50	14.6	9.5
	1.0	+4.0		14.4	9.3
<u>9:18</u>	2.2	+2.8		14.1	9.0
	3.4	+1.6		14.0	8.9
50	4.3	+0.7		14.0	
	5.6	0.6	3+00	14.0	
	6.4	1.4		14.1	9.0
	9.7	4.7		14.1	9.0
	13.5	8.5		13.9	8.8
1+00	13.5	8.5		14.0	8.9
	13.8	8.8	50	14.3	9.2
	14.1	9.1	<u>9:25</u>	14.4	9.3
	14.3	9.3		13.9	8.8
	14.4	9.4		12.5	7.4
50	14.0	9.0		12.3	7.3
<u>9:20</u>	14.2	9.2	4+00	12.9	7.8
	14.6	9.6		12.8	7.7
	14.5	9.5		12.7	7.6
	14.3	9.3		12.8	7.7
2+00	14.2	9.2		12.9	7.8
	14.3	9.3	50	12.9	7.8
	14.3	9.3		12.8	7.7
	14.3	9.3		13.0	7.9
				13.0	7.9
				13.2	8.1
			5+00	13.3	8.2

11-20-59

STA. N. 120+50; 0+00=W19,190; SOUND EAST

Dist Sound Elev Dist Sound Elev

0+00			(51)	14.0
(51)			50	13.8
	1.2			13.8
<u>9:30</u>	2.2			14.1
	3.1			14.1
50	4.1			14.2
	4.3		3+00	13.8
	6.2		<u>9:35</u>	14.1
	10.2			14.2
	14.1			14.3
1+00	14.1			13.5
	13.2		50	13.7
	13.9			14.3
	14.2			14.1
	14.0			13.2
50	13.1			12.1
	12.9		4+00	12.2
	13.2			12.2
	13.3			12.2
	13.5			12.3
2+00	13.6			12.2
	13.7		50	12.2
	13.8			12.3
	14.1			12.5
			90	12.4
				12.3

11-20-59

STA. N. 121+00; 0+00=W. 19, 170; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(5.2)	13.6	
(5.2)	0.2		50	13.8	
	1.6			13.9	
<u>9.40</u>	2.6			13.9	
	3.2			14.0	
50	3.8			13.6	
	5.0		3+00	13.6	
	8.1			13.7	
	11.2	6.0		13.5	
	11.2	6.0		13.5	
1+00	12.0	6.8		13.4	
	12.3	7.7	50	13.4	
	12.4			12.9	
	12.4			14.2	
	13.1			13.2	
50	12.8			14.2	
	13.2		4+00	14.2	
	13.3		<u>9.45</u>	14.0	
	13.0			13.8	
	13.3		? →	11.4	6.2
2+00	13.6			12.1	6.9
	13.5		50	13.6	
	13.5			14.0	
	13.5		70	13.9	

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STA. N. 121+50; 0+00=W. 19, 150; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(5.2)	14.6	
(5.2)	1.0		50	14.8	
	2.1			15.1	
<u>9.53</u>	3.5			15.1	
	4.2			15.1	
50	5.0			15.1	
	6.3		3+00	15.3	
	8.2			15.2	
	10.1			15.2	
	12.3			15.3	
1+00	12.5			15.5	
	12.5		50	15.3	
	13.0			15.3	
	13.0			14.9	
	13.3			14.5	
50	13.5			14.2	
	13.3		4+00	14.3	
	13.7			14.3	
	13.6			14.4	
	14.0		<u>9.58</u>	14.2	
2+00	14.0			14.1	
	13.9		50	13.9	
	14.1				
	14.3				

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STA. N. 122+00; 0+00 = W. 19,140; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(5.2)	15.3	10.1
(5.2)			50	15.4	10.2
	1.1	+4.1		15.4	10.2
<u>10.05</u>	2.5	+2.7		15.7	10.5
	4.3	+0.9		15.6	10.4
50	5.2	0.0		15.5	10.3
	6.7	1.5	3+00	15.5	10.3
	7.9	2.7		15.5	10.3
	8.6	3.4		15.7	10.5
	10.7	5.5		15.7	10.5
1+00	11.3	6.1		15.8	10.3
	12.9	7.7	50	15.8	10.3
	13.2	8.0		16.0	10.8
	13.3	8.1		16.0	10.8
	14.0	8.8		16.2	11.0
50	14.0	8.8		16.4	11.2
	14.1	8.9	4+00	16.5	11.3
	14.3	9.1		14.0	8.8
	14.9	9.7		13.8	8.6
	15.0	9.8		13.3	8.1
2+00	15.2	10.0		12.9	7.7
	15.2	10.0	50	12.8	7.6
	15.3	10.1			
	15.3	10.1			

11-20-59

STA. N. 124+00; 0+00 = W. 19,080; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(5.3)	15.2	9.9
(5.3)			50	15.2	9.9
	1.3	+4.0		15.1	9.8
	2.1	+3.2		15.4	10.1
<u>10.18</u>	3.2	+2.1		15.3	10.0
	4.2	+1.1		15.8	10.5
50	4.2	?	3+00	15.9	10.6
	4.2	?		15.7	10.4
	4.9	+0.4		15.8	10.5
	12.2	6.9		15.9	10.6
	14.9	9.6		15.7	10.4
1+00	14.4	9.1		15.8	10.5
	14.9	9.6	50	16.0	10.7
	15.0	9.7		15.7	10.4
	14.8	9.5		15.3	10.0
	14.8	9.5		15.1	9.8
50	14.8	9.5		14.8	8.5
<u>10.20</u>	14.7	9.4	4+00		
	15.1	9.8			
	15.0	9.7			
	15.0	9.7			
2+00	15.2	9.9			
	15.2	9.9			
	15.1	9.8			
	15.1	9.8			

③

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STA. N. 124+50; 0+00 = W. 19,100; SOUND EAST

Dist Sound Elev Dist Sound Elev

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(53)	15.4	
(53)			50	15.4	
	1.2			15.7	
<u>1030</u>	2.1			16.1	
	3.1			16.2	
50	4.1			16.3	
	4.2		3+00	16.3	
	4.4				
	4.4				
	7.3				
1+00	14.0				
	15.0		50		
	14.8				
	14.4				
	14.8				
50	14.9				
	14.4				
	14.7				
	14.9				
	15.0				
2+00	15.1				
	15.6		50		
	15.9				
	15.7				

11-20-59

STA. N. 125+00; 0+00 = W. 19,130; SOUND EAST

Dist Sound Elev Dist Sound Elev

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(53)	15.7	
(53)	0.5		50	16.0	
	1.4			16.0	
<u>1040</u>	2.1			15.7	
	2.7			15.0	
50	3.5			15.0	
	3.9		3+00	15.0	
	4.1				
	4.2				
	4.3				
1+00	4.5				
	4.7				
	5.0				
	5.3				
	8.2				
50	12.0				
	14.0				
	14.9				
	15.0				
	14.7				
2+00	15.1				
	15.0				
	15.1				
	15.5				

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STA. N. 125+50; 0+00 = W. 19210; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(54)	14.6	
(54)			50	14.7	
	0.4			14.7	
10:50	0.8			14.8	
	1.1			15.0	
50	2.0			15.5	
	2.5		3+00	16.0	
	3.9				
	4.0				
	3.2				
1+00	2.9				
	2.9		50		
	4.5				
	11.4				
	14.5				
50	15.4				
	15.9		1+00		
	16.0				
	16.0				
	15.9				
2+00	14.5				
	14.6				
	14.2				
	14.5				

NLY. END SEC'S SANTA CLARA EXT. (3)

11-20-59

STA. W. 191+00; 0+00 = N. 12,450; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(54)		
11:00	1.0	+4.4			
	1.7	+3.7			
50	2.5	+2.9			
	3.0	+2.4			
	3.0	+2.4			
	3.0	+2.4			
	3.0	+2.4			
1+00	3.0	+2.4			
	4.1	+1.3			
	7.0	1.6			
	13.0	7.6			
	14.5	9.1			
50	15.0	9.6			
	14.7	9.3			
	15.0	9.6			
	15.3	9.9			
	15.6	10.2			
2+00	15.5	10.1			

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STA. W. 191+50; 0+00 = N. 12,510; SOUND NORTH

Dist Sound Elev Dist Sound Elev

0+00

(54)

0.8 +4.6

11:10 2.1 +3.3

3.0 +2.4

50 4.0 +1.4

4.0 +1.4

2.9 +2.5

4.0 +1.4

7.2 1.8

1+00 12.5 7.1

13.7 8.3

13.5 8.1

13.5 8.1

13.5 8.1

50 13.5 8.1

13.7 8.3

14.2 8.8

14.1 8.7

14.2 8.8

2+00 14.2 8.8

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(6)

STA. W. 192+00; 0+00 = N. 12,540; SOUND NORTH

Dist Sound Elev Dist Sound Elev

0+00

(53)

1.2 +4.1

11:15 2.3 +3.0

3.4 +1.9

50 4.2 +1.1

2.9 +2.4

3.9 +1.4

8.3 3.0

12.7 7.4

1+00 13.7 8.4

14.0 8.7

14.2 8.9

14.3 9.0

14.4 9.1

50 14.3 9.0

14.3 9.0

14.2 8.9

14.4 9.1

14.5 9.2

2+00 15.0 9.7

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5 STA. W. 192+50; 0+00=N. 12,560 ; SOUND NORTH

Dist Sound Elev

0+00

(5.3) 0.1 +5.2

1.4 +3.9

11:25 2.5 +2.8

3.2 +2.1

50 2.3 +3.0

2.9 +2.9

4.5 +0.8

12.2 6.9

14.3 9.0

11+00 14.7 9.4

14.8 9.5

15.0 9.7

15.0 9.7

15.0 9.7

50 14.9 9.6

14.9 9.6

14.9 9.6

15.0 9.7

15.1 9.8

2 2+00 15.3 10.0

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5 STA. W. 193+00; 0+00=N. 12,570 ; SOUND NORTH

Dist Sound Elev

0+00

(5.2)

1.4 +3.8

11:35 2.3 +2.9

3.1 +2.1

50 2.9 +2.3

2.6 +2.6

4.3 +0.9

10.3 5.1

13.8 8.6

1+00 15.0 9.8

15.0 9.8

15.0 9.8

15.0 9.8

14.7 9.5

50 14.7 9.5

14.3 9.1

14.3 9.1

14.4 9.2

14.4 9.2

2+00 1

⑦

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5 STA. W. 193+50; 0+00 = N. 12,580; SOUND NORTH

L Dist Sound Elev

0+00

(52)

1.4 +3.8

1145 2.5 +2.7

3.3 +1.9

50 3.4 +1.8

4.0 +1.2

9.1 3.9

13.6 8.4

14.1 8.9

1+00 14.3 9.1

14.6 9.4

14.7 9.5

14.9 9.7

14.9 9.7

50 14.9 9.7

15.0 9.8

15.1 9.9

15.2 10.0

15.1 9.9

2+00 15.2 10.0

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⑧

5 STA. W. 194+00; 0+00 = N. 12,580; SOUND NORTH

Dist Sound Elev

0+00

(52)

1.5 +3.7

1150 2.6 +2.6

3.4 +1.8

50 4.0 +1.2

4.3 +0.9

8.4 3.2

12.2 7.0

12.5 7.3

1+00 12.6 7.4

12.8 7.6

13.0 7.8

13.0 7.8

13.0 7.8

50 13.1 7.9

13.1 7.9

13.3 8.1

13.9 8.7

14.0 8.8

2+00 14.4 9.2

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5 STA. W. 194+50; 0+00 = N. 12,570; SOUND NORTH

Dist Sound Elev

0+00

(52)

1.0 +4.2

11:55

1.7 +3.5

2.5 +2.7

50

3.3 +1.9

3.6 +1.6

10.9 5.7

11.5 6.3

12.8 7.6

1+00

12.9 7.7

13.0 7.8

13.3 8.1

13.5 8.3

13.5 8.3

50

13.6 8.4

13.6 8.4

13.7 8.5

13.9 8.7

14.1 8.9

2+00

14.2 9.0

11-20-59

②

5 STA. W. 195+00; 0+00 = N. 12,550; SOUND NORTH

Dist Sound Elev

0+00

(51)

0.5 +4.6

12:05

1.5 +3.6

2.4 +2.7

50

3.0 +2.1

3.0 +2.1

3.1 +2.0

4.5 +0.6

10.4 5.3

1+00

13.0 7.9

13.1 8.0

13.2 8.1

13.6 8.5

13.7 8.6

50

13.8 8.7

13.8 8.7

13.9 8.8

14.0 8.9

14.0 8.9

2+00

14.0 8.9

11-20-59

5 STA. W. 195+50; 0+00=N. 12,520 ; SOUND NORTH

Dist Sound Elev

0+00

(51)

0.0 +5.1

0.9 +4.2

12.15

1.6 +3.5

2.3 +2.8

50

3.0 +2.1

2.5 +2.6

2.5 +2.6

3.3 +1.8

6.3 1.2

1+00

11.2 6.1

12.3 7.2

12.7 7.6

13.0 7.9

13.0 7.9

50

13.0 7.9

13.0 7.9

13.0 7.9

13.2 8.1

13.2 8.1

2+00

13.3 8.2

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STA. W. 196+00; 0+00=N. 12,450 ; SOUND NORTH

Dist Sound Elev

0+00

(50)

0.2 +4.8

0.5 +4.5

12.20

1.1 +3.9

1.5 +3.5

50

2.2 +2.8

2.4 +2.6

2.9 +2.1

3.2 +1.8

3.3 +1.7

1+00

4.5 +0.5

9.3 4.3

11.5 6.5

12.6 7.6

12.8 7.8

50

12.5 7.5

13.1 8.1

13.3 8.3

13.2 8.2

12.0 7.0

2+00

12.4 7.4

(10)

11-30-59

5 STA. N. 117+50; 0+00=W. 19,180 ; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(7.1)	14.0	
<u>9:38</u>			50	14.2	7.1
	1.3		<u>9:40</u>	14.1	7.0
(7.1)	2.5			14.1	7.0
	3.4			14.2	
50	4.0			14.2	
	4.7		3+00	14.3	
	5.1			14.3	
	6.0			14.3	
	6.9			14.2	
1+00	8.2			14.3	
	11.7		50	14.3	
	12.9			14.7	
	13.2			14.3	
	13.4			14.2	
50	13.8			14.0	6.9
	13.7		4+00	14.1	
	13.6			14.1	
	13.4			14.2	
	13.5			14.7	
2+00	13.7			14.9	
	13.7		50	15.1	
	13.6			15.0	
	13.9			15.0	

STA. N. 117+50-EAST

Dist Sound Elev Dist Sound Elev

Dist	Sound	Elev	Dist	Sound	Elev
(7.0)	14.8		(7.0)	15.1	
	14.8			15.2	
5+00	14.9		50	15.1	
	14.8			15.0	
	14.9			14.8	
	15.0			14.8	
	14.8			14.9	
50	14.9		8+00	15.0	
	14.9			15.1	
	14.8			15.2	
	14.5			15.2	
	14.1			15.2	
6+00	14.5		50	15.2	
	16.9			15.2	
<u>9:45</u>	16.8			15.2	
	16.3			15.3	
	16.2			15.6	
50	16.1		9+00	15.7	
	16.0			15.6	
	15.5			15.7	
	15.1			15.3	
	15.0			15.3	
7+00	14.9		50	15.3	
	14.8			15.2	
	14.9			15.1	

STA. N. 117+50 CONTD EAST 11-30-59

Dist	Sound	Elev	Dist	Sound	Elev
(69)	15.2		(69)	14.8	
	15.1			14.8	
10+00	14.7		50	14.8	
	14.3			14.7	
	14.6			14.4	
9:50	15.0			14.4	
	15.0			14.3	
50	15.0		13+00	14.3	
	14.9			14.1	
	14.7			14.1	
	14.8			14.2	
	14.8			14.2	
11+00	14.8		50	14.7	
	14.7			14.8	
	14.7			14.9	
	14.4			15.0	
	14.4			15.1	
50	14.6		14+00	15.1	
	14.6			15.1	
	14.6			15.0	
	14.7			14.9	
	15.0			15.0	
12+00	15.1		50	15.0	
	15.1			14.9	
	14.9			14.5	

STA. N. 117+50 - EAST

(12)

Dist	Sound	Elev	Dist	Sound	Elev
(68)	14.4		(68)	14.2	
	14.7			14.3	
15+00	14.8		50	14.3	
	14.7			14.3	
	14.6			14.6	
	14.6			14.7	
	14.7			14.7	
50	14.7		18+00	14.7	
	14.8			14.5	
	14.8			14.5	
9:55	14.7			14.2	
	14.7			14.2	
16+00	14.7		50	14.3	
	14.6			14.3	
	14.6			14.2	
	14.5			14.3	
	14.2			14.8	
50	14.1		19+00	14.9	
	14.1			15.0	
	14.0			15.1	
	14.0			15.1	
	14.0			15.2	
17+00	14.0		50	15.2	
	14.1			15.2	
	14.1			15.0	

STA. N. 117+50 - CONTD EAST 11-30-59

Dist	Sound	Elev	Dist	Sound	Elev
(67)	15.0		(67)	13.8	7.1
	15.0			13.5	6.8
20+00	15.0		50	13.1	6.4
	14.9			12.9	6.2
	14.8			13.0	6.3
	14.8			13.2	6.5
	14.8			13.3	6.6
50	14.7		23+00	13.3	6.6
	14.6			13.4	6.7
	14.4			13.5	6.8
10:00	14.4			13.4	6.7
	14.3			13.3	6.6
21+00	14.4		50	13.2	6.5
	14.6			13.3	6.6
	14.3			13.3	6.6
	14.3			13.5	6.8
	14.3			13.1	6.4
50	14.2		24+00	13.6	6.9
	14.3			14.9	
	14.2			15.2	
	13.9			15.1	
	14.0			14.9	
22+00	13.9		50	15.7	
	13.9			15.1	
	13.9			15.5	

STA. N. 117+50 - EAST

(13)

Dist	Sound	Elev
(66)	15.4	
	15.5	
25+00	15.4	
	15.3	
10:05	15.3	
	15.7	
	15.7	
50	15.4	
	15.4	
	15.1	
	15.1	
	15.1	
26+00	15.0	
	W16580	

11-30-50

5 STA. N. 117+00; 0+00 = W. 19, 160, SOUND EAST

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00			(6.3)	13.5	
(6.3)	0.7		50	13.7	
	2.0			13.9	
<u>10:18</u>	2.9			13.9	
	3.4			14.0	
50	4.0			14.0	
	4.4		3+00	14.0	
	5.1			14.0	
	5.6			14.0	
	6.9			14.2	
1+00	10.0			13.9	F
	12.0		50	13.7	0
	12.5			13.4	
	12.9			13.6	
	13.1			13.7	
50	13.1			13.7	
	13.2		4+00	13.9	
	13.6	7.3		13.5	
	13.3	7.0		13.7	
	13.2	6.9		13.9	
2+00	13.2	6.9		14.0	
	13.3	7.0	50	14.1	
	13.4	7.1		14.2	
	13.4	7.1		14.2	

STA. N. 117+00 - EAST

DIST	SOUND	ELEV	DIST	SOUND	ELEV
(6.1)	14.0		(6.0)	14.0	
	13.9			13.9	
5+00	13.9		50	13.9	
<u>10:25</u>	14.0			14.0	
	14.1			14.0	
	13.9			14.0	
	13.7			14.0	
50	13.6		8+00	14.0	
	14.0		<u>10:30</u>	14.0	
	14.3			13.9	
	15.9			14.0	
	16.0			14.0	
6+00	16.0		50	14.1	F
	15.5			14.1	0
	15.5			14.1	
	15.0			14.0	
	14.8			14.1	
50	14.6		9+00	14.0	
	14.2			14.1	
	14.0			14.1	
	13.9			14.0	
	14.0			13.8	
7+00	14.1		50	13.9	
	14.2			13.8	
	14.4			13.8	

STA. N. 117+00 CONTD EAST 11-30-59

Dist	Sound	Elev	Dist	Sound	Elev
(59)	13.7		(59)	14.0	
	13.7			14.0	
10+00	14.1		50	13.9	
	14.0			13.9	
	14.0			13.9	
	13.9			14.0	
	14.0			14.0	
50	14.0		13+00	14.1	
	14.0			14.2	
	14.0			14.2	
	13.7			14.3	
	13.4			14.2	
11+00	13.2		50	14.3	
	13.4			14.3	
<u>1035</u>	13.5			14.2	
	13.6			14.3	
	13.9			14.3	
50	14.0		14+00	14.4	
	14.0			14.4	
	14.0			14.5	
	14.1			14.4	
	14.2			14.0	
12+00	14.2		50	14.1	
	14.0			14.1	
	14.0			14.1	

STA. N. 117+00-EAST

Dist	Sound	Elev	Dist	Sound	Elev
(58)	14.1		(58)	14.0	
	14.1			14.0	
15+00	14.2		50	13.9	
	14.2			13.9	
	14.2			13.8	
	14.2			13.6	
	14.1			13.6	
50	13.9		18+00	13.4	
	13.9			13.4	
10+40	13.9			13.4	
	13.9			13.5	
	14.0			13.6	
16+00	14.0		50	13.8	
	14.0			13.9	
	13.9			13.9	
	13.8			14.0	
	13.5			14.0	
50	13.5		19+00	14.0	
	13.6			14.0	
	13.8			13.9	
	13.8			13.7	
	13.8			13.7	
17+00	13.9		50	13.6	
	14.0			13.4	
	14.0			13.3	

STA. N. 117400 - CONTD EAST 11-30-59

STA. N. 117400 - EAST

Dist	Sound	Elev
(57)	13.4	
	13.5	
20+00	13.7	
<u>10:45</u>	13.8	
	13.9	
	13.9	
	13.9	
50	14.0	
	13.8	
	13.8	
	13.8	
	13.8	
21+00	13.8	
	13.7	
	13.6	
	13.5	
	13.4	
50	13.5	
	13.5	
	13.5	
	13.5	
22+00	13.5	
	13.3	
	12.1	6.4

Dist	Sound	Elev
(56)	12.2	6.6
	12.3	6.7
50	12.3	6.7
	12.3	6.7
	12.3	6.7
	12.5	6.9
	12.6	7.0
23+00	12.7	
	12.9	
	13.0	
	13.0	
	13.0	
50	13.0	
	13.0	
	13.0	
	13.0	
<u>10:50</u>	13.1	
24+00	13.0	
	12.9	
	13.0	
	13.0	
	13.0	
50	14.0	
	14.0	
	14.0	

Dist	Sound	Elev
(56)	14.0	
	14.0	
25+00	13.0	
	13.0	
	13.0	
	13.0	
	13.0	
50	14.3	
	14.9	
	15.0	
<u>10:53</u>	15.1	
	14.9	
26+00	13.3	
W16560		

11-30-59

STA. N. 116+50; 0+00 = W. 19.150; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(49)	12.9	
(49)			50	12.8	
	0.4		11:10	12.4	
11:08	1.4			12.5	
	2.2			12.4	
50	2.6			12.4	
	3.1		3+00	12.5	
	3.5			12.3	
	6.2			12.1	
	6.8			12.2	
1+00	11.6			12.3	
	10.1		50	12.7	
	11.6			12.8	
	11.7			12.8	
	11.9			12.4	
50	11.9			12.4	
	12.0		4+00	13.1	
	11.9			13.2	
	12.0			13.0	
	12.0			13.0	
2+00	12.0			13.0	
	11.8	6.9	50	12.9	
	12.7			12.9	
	12.8			12.8	

STA. N. 116+50 - EAST

(17)

Dist	Sound	Elev	Dist	Sound	Elev
(48)	12.8		(48)	12.7	
	12.4			12.7	
5+00	12.6		50	12.6	
	12.6			12.6	
	12.3			12.3	
	12.1			12.3	
	12.1			12.2	
50	12.1		8+00	12.1	
	13.1			12.1	
	14.6			12.1	
	14.1			12.1	
	14.1			12.3	
6+00	14.1		50	12.4	
11:15	14.0			12.3	
	14.0			12.5	
	14.0			12.4	
	13.8			12.6	
50	13.2		9+00	12.7	
	13.1			12.7	
	13.0			12.7	
	13.0			12.8	
	13.0			12.8	
7+00	13.0		50	12.1	
	12.8			12.1	
	12.7			12.1	

57A. N. 116+50 CONTD EAST 11-30-59

57A. N. 116+50 - EAST

Dist	Sound	Elev	Dist	Sound	Elev
(47)	12.3		(46)	13.0	
	12.4			13.0	
10+00	12.3		50	13.0	
	12.6		11/20	12.9	
	12.8		<u>11/20</u>	13.1	
	12.7			13.0	
	12.6			13.1	
50	12.7		13+00	12.9	
	12.5			13.0	
	12.0			13.0	
	12.0	F		13.1	
	12.0	0		13.1	
11+00	12.0		50	13.1	
	12.1			13.1	
	12.1			13.0	
	12.2			12.9	
	12.3			12.8	
50	12.5		14+00	12.7	
	12.6			12.9	
	12.8			12.8	
	12.8			12.8	
	12.9			12.5	
12+00	13.1		50	12.5	
	13.1			12.6	
	13.1			12.8	

Dist	Sound	Elev	Dist	Sound	Elev
(46)	12.4		(45)	12.1	
	12.5			12.1	
15+00	12.5		50	12.1	
	12.5		11/25	11.9	
	12.3		<u>11/25</u>	11.9	
	12.2			12.0	
	12.2			12.0	
50	12.2		18+00	12.0	
	12.2			12.0	
	12.3			12.0	
	12.3			12.1	
	12.3			12.2	
16+00	12.2		50	12.2	
	12.2			12.1	
	12.1			12.1	
	12.1			12.1	
	12.0			12.1	
50	12.2		19+00	12.0	
	12.2			12.0	
	12.2			11.8	
	12.2			11.9	
	12.2			11.9	
17+00	12.2		50	11.5	7.0
	12.2			11.6	
	12.3			11.6	

OK

OK

OK

OK

STA. N. 116+50 CONTD EAST 11-30-59

Dist	Sound	Elev	Dist	Sound	Elev
(44)	11.6		(44)	11.1	6.7
	11.6			11.1	6.7
20+00	11.7		50	11.1	6.7
	11.8		<u>11:30</u>	11.2	6.8
	11.7			11.2	6.8
	11.7			11.3	6.9
	12.0			11.3	6.9
50	11.9	X	23+00	11.3	6.9
	11.9	0		11.3	6.9
	12.0			11.3	6.9
	11.8			11.3	6.9
	11.9			11.4	7.0
21+00	11.9		50	11.4	7.0
	11.8			11.5	
	11.8			11.6	
	11.9			11.8	
	11.4	7.0		11.9	
50	11.6		24+00	12.0	
	11.7	X		12.0	
	11.8			12.0	
	11.4	7.0		12.1	
	11.1	6.7		11.9	
22+00	10.9	6.5	50	12.1	
	11.1	6.7		12.1	
	11.1	6.7		12.1	

STA. N. 116+50 - EAST

Dist	Sound	Elev
(43)	12.1	
	12.0	
25+00	11.8	
	11.8	
	11.7	
	11.7	X
	11.8	0
50	11.8	
	12.0	
<u>11:33</u>	11.9	
	11.9	
	11.9	
26+00	11.9	
W16550		

11-30-59

STA. N. 116+00; OHOO=W. 19, 140; SOUND EAST

	DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00				(3.5)	11.9	8.4
(3.7)				50	12.1	8.6
				11.55	11.7	8.2
11.50	0.2	+3.5			12.0	8.5
	0.9	+2.8			11.5	8.0
50	1.2	+2.5			11.8	8.3
	1.9	+1.8	3+00		11.9	8.4
	2.5	+1.2			11.9	8.4
	3.0	+0.7			11.5	8.0
	3.5	+0.2			11.5	8.0
1+00	6.0	2.3			11.5	8.0
	9.1	5.4	50		11.5	8.0
	10.0	6.3			11.5	8.0
	10.2	6.5			11.3	7.8
	10.7	7.0			11.2	7.7
50	10.0	6.3			11.1	7.6
	10.2	6.5	4+00		11.2	7.7
	10.5	6.8			11.1	7.6
	10.3	6.6			11.1	7.6
	10.3	6.6			11.2	7.7
2+00	10.3	6.6			11.3	7.8
	10.5	6.8	50		11.5	8.0
	10.9	7.2			11.5	8.0
	11.3	7.6			11.5	8.0

STA. N. 116+00 - EAST

(20)

	DIST	SOUND	ELEV	DIST	SOUND	ELEV
	(3.4)	11.4	8.0	(3.4)	11.1	7.7
		11.3	7.9		11.2	7.8
5+00	11.2	7.8		50	11.1	7.7
	11.3	7.9			11.0	7.6
	11.2	7.8			10.7	7.3
	11.2	7.8			10.5	7.1
	11.2	7.8			11.0	7.6
50	11.6	8.2	8+00		11.3	7.9
	11.4	8.0			11.4	8.0
	12.5	9.1			11.3	7.9
	13.0	9.6			11.4	8.0
	13.3	9.9			11.5	8.1
6+00	13.5	10.1	50		11.5	8.1
12+00	13.4	10.0			11.1	7.7
	13.3	9.9			11.0	7.6
	13.0	9.6			11.0	7.6
	13.0	9.6			11.1	7.7
50	12.9	9.5	9+00		11.0	7.6
	12.8	9.4			12.5	9.1
	12.1	8.7			12.6	9.2
	12.0	8.6			12.6	9.2
	12.0	8.6			12.8	8.8
7+00	11.9	8.5	50		12.5	9.1
	11.5	8.1			12.0	8.6
	11.3	7.9			12.3	8.9

STA. N. 116+00; CONTD EAST 11-30-59

DIST	Sound	Elev	DIST	Sound	Elev
(33)	12.0	8.7	(32)	11.4	8.2
	10.9	7.6		11.1	7.9
10+00	12.1	8.8	50	11.0	7.8
	13.0	9.7		11.2	8.0
	12.2	8.9		11.3	8.1
	12.6	9.3		11.2	8.0
	12.9	9.6		11.3	8.1
50	10.8	7.5	13+00	11.4	8.2
	10.7	7.4		11.4	8.2
	10.6	7.3		11.2	8.0
	10.5	7.2	12:10	11.3	8.1
	10.7	7.4		11.3	8.1
11+00	10.8	7.5	50	11.3	8.1
12:05	10.8	7.5		11.3	8.1
	10.9	7.6		11.2	8.0
	11.0	7.7		11.1	7.9
	11.1	7.8		11.0	7.8
50	11.1	7.8	14+00	11.0	7.8
	11.2	7.9		11.0	7.8
	11.5	8.2		10.9	7.7
	11.6	8.3		10.8	7.6
	11.5	8.2		10.8	7.6
12+00	11.6	8.3	50	10.8	7.6
	11.5	8.2		10.9	7.7
	11.5	8.2		10.8	7.6

STA. N. 116+00 - EAST

DIST	Sound	Elev	DIST	Sound	Elev
(3.2)	10.8	7.6	(31)	11.0	7.9
	10.8	7.6		11.0	7.9
15+00	10.8	7.6	50	10.9	7.8
	10.9	7.7	12:15	10.9	7.8
	10.7	7.5		10.9	7.8
	10.7	7.5		10.9	7.8
	10.8	7.6		10.8	7.7
50	10.9	7.7	18+00	10.8	7.7
	10.9	7.7		10.9	7.8
	11.0	7.8		10.9	7.8
	10.9	7.7		11.0	7.9
	10.9	7.7		10.9	7.8
16+00	10.9	7.7	50	10.9	7.8
	10.9	7.7		10.9	7.8
	10.9	7.7		10.8	7.7
	10.9	7.7		10.7	7.6
	10.9	7.7		10.5	7.4
50	11.0	7.8	19+00	10.5	7.4
	11.0	7.8		10.4	7.3
	11.0	7.8		10.2	7.1
	10.9	7.7		10.2	7.1
	11.0	7.8		10.0	6.9
17+00	11.0	7.8	50	10.0	6.9
	11.0	7.8		10.2	7.1
	11.0	7.8		10.1	7.0

STA. N. 116+00 CONTD EAST 11-30-59					
DIST	Sound	Elev	DIST	Sound	Elev
(29)	10.1	7.2	(27)	9.9	7.2
	10.2	7.3		9.9	7.2
20+00	10.2	7.3	50	9.9	7.2
	10.3	7.4	1220	9.9	7.2
	10.3	7.4	5	9.9	7.2
	10.5	7.6		10.0	7.3
	10.4	7.5		10.0	7.3
50	10.4	7.5	23+00	10.0	7.3
	10.5	7.6		10.1	7.4
	10.5	7.6		10.2	7.5
	10.4	7.5		10.2	7.5
	10.4	7.5		10.2	7.5
21+00	10.3	7.4	50	10.2	7.5
	10.2	7.3		10.3	7.6
	10.2	7.3		10.3	7.6
	10.2	7.3		10.4	7.7
	10.1	7.2		10.8	8.1
50	10.1	7.2	24+00	10.9	8.2
	10.1	7.2		10.9	8.2
	10.0	7.1		11.0	8.3
	9.9	7.0		11.0	8.3
	9.5	6.4		10.8	8.1
22+00	9.5	6.4	50	10.9	8.2
	9.9	7.0		10.9	8.2
	10.0	7.1		10.9	8.2

STA. N. 116+00 - EAST					
DIST	Sound	Elev	DIST	Sound	Elev
(27)	10.7	8.0			
	10.2	7.5			
25+00	10.2	7.5			
	10.3	7.6			
	10.4	7.7			
	10.5	7.8			
	10.5	7.8			
50	10.5	7.8			
	10.4	7.7			
	10.5	7.8			
	10.4	7.7			
	10.4	7.7			
26+00	10.4	7.7			
	W. 16540				

STA. N. 117+50; 0+00 = W. 1

; SOUND WEST

STA. N. 117+00; 0+00 = W.

; SOUND WEST

DIST	SOUND	ELEV
0+00		

DIST	SOUND	ELEV
50		

DIST	SOUND	ELEV
0+00		

DIST	SOUND	ELEV
50		

50

3+00

50

3+00

1+00

50

1+00

50

50

2+00

2+00

STA. N. 116+50; 0+00=W. ; SOUND WEST

STA. N. 116+00; 0+00=W. ; SOUND WEST

Dist Sound Elev
0+00

Dist Sound Elev

Dist Sound Elev
0+00

Dist Sound Elev

50

50

50

3+00

50

3+00

1+00

50

1+00

50

50

2+00

2+00

12-1-59

STA. N. 113+00; 0+00 = W. 19, 110; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(64)	14.5	
(6.2)	0.7		50	14.6	
	2.0			14.4	
<u>11:08</u>	2.6			14.0	
	3.1			14.2	
50	3.3			14.0	
	3.6		3+00	13.8	
	4.1			14.0	
	4.3			14.2	
	5.0			14.3	
1+00	5.4			14.1	
	5.8		50	14.3	
<u>11:10</u>	7.3			14.4	
	10.2			14.0	
	11.4			13.2	
50	12.0			13.4	
	12.7		4+00	13.4	
	13.2	7.0		13.4	
	13.6			13.5	
	13.9			13.5	
2+00	14.0			13.6	
	14.1		50	13.6	
	14.2			13.6	
	14.3			13.6	

STA. N. 113+00 - EAST

(25)

Dist	Sound	Elev	Dist	Sound	Elev
(60)	13.6		(59)	12.3	6.4
	13.7			14.0	
5+00	14.0		50	14.5	
	14.0			14.4	
	14.0			14.3	
	14.0			14.5	
	13.5			14.5	
50	13.2		8+00	14.8	
	13.0	7.0		14.8	
	13.0	7.0		14.8	
	13.1			14.6	
	13.1			14.7	
6+00	13.0	7.0	50	14.7	
<u>11:15</u>	13.0	7.0		14.6	
	13.2			14.7	
	13.3			14.8	
	13.2			14.9	
50	13.2		9+00	14.9	
	13.2			15.0	
	13.1			16.5	
	13.0	7.0		16.2	
	13.0	7.0		17.0	
7+00	13.0	7.0	50	17.0	
	12.9	6.9		16.2	
	12.5	6.5		16.0	

STA. N. 113+00 CONTD EAST 12-1-59

Dist	Sound	Elev	Dist	Sound	Elev	
(58)	15.9	}	(7.6)	16.8		
	15.4				17.1	
10+00	15.3			50	17.3	
11:20	15.0				17.5	
	15.0				17.3	
	14.9				17.0	
	14.7				17.0	
50	14.7			13+00	17.0	
	14.7				17.0	
	14.7				16.9	
	14.9			17.1		
	14.8			16.8		
W 18.010 11+00	14.2		50	17.0		
(7.6)	15.5			16.5		
	15.2			16.6		
9:50	15.1			16.8		
	15.1			16.9		
50	15.3		14+00	17.2		
	15.3			17.2		
	15.0			17.2		
	14.7			17.2		
	14.5	6.9		17.1		
12+00	16.0		50	17.0		
	16.0			16.9		
	16.2			14.5	6.9	

STA. N. 113+00 - EAST 12-2-59 (26)

Dist	Sound	Elev	Dist	Sound	Elev
(7.6)	14.3	6.7	(7.6)	14.3	6.7
	14.6			14.9	
15+00	15.0		50	15.0	
	15.1			15.0	
	15.2			15.1	
	15.2			15.1	
	15.5			15.1	
50	15.4		18+00	15.1	
	15.4			15.1	
	15.3			15.2	
	15.3			15.2	
	15.3			15.2	
16+00	15.3		50	15.3	
9:55	15.3			15.4	
	15.3			15.6	
	15.3			16.0	
	15.3			16.2	
50	15.0		19+00	16.2	
	14.5			16.1	
	14.1	6.5		16.1	
	14.2	6.6		16.0	
	14.5	6.9		15.9	
17+00	14.9		50	14.8	
	15.0			14.9	
	14.8			14.8	

STA. N. 113+00 CONTD EAST 12-2-59

DIST	Sound	Elev	DIST	Sound	Elev
(7.6)	14.9		(7.6)	16.5	
	15.0			14.8	
20+00	15.1		50	14.0	6.4
<u>10+00</u>	15.1			14.3	6.7
	15.4			14.4	6.8
	15.3			14.6	7.0
	15.3			15.0	
50	15.4		23+00	15.5	
	15.3			15.4	
	15.3			15.4	
	15.5		<u>10+05</u>	15.5	
	15.5			15.5	
21+00	15.5		50	15.6	
	15.4			15.6	
	15.3			15.7	
	15.3			15.7	
	15.2			15.6	
50	15.3		24+00	15.7	
	15.3			15.8	
	15.5			15.8	
	15.6			15.8	
	15.8			15.5	
22+00	16.0		50	15.6	
	16.3			15.7	
	16.6			16.0	

STA. N. 113+00 - EAST

DIST	Sound	Elev
(7.6)	16.0	
	16.1	
25+00	16.1	
	16.0	
	16.0	
	15.5	
	15.4	
50	15.5	
	15.4	
	15.4	
	15.5	
	15.8	
26+00	15.9	

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(27)

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STA. N. 113+50; 0+00=W19,110; SOUND EAST

DIST	Sound	Elev	DIST	Sound	Elev
0+00			(56)	13.0	
(5.6)			50	12.9	
1.1				12.8	
1130	2.0			12.8	
<u>2.3</u>				12.7	
50	2.8			12.8	
3.2			3+00	12.9	
3.3				13.0	
4.0				13.1	
4.3				13.3	
1+00	4.9			13.2	
5.2			50	12.5	6.9
6.4				12.4	6.8
10.0				12.6	7.0
11.2				12.7	
50	12.0			13.1	
12.8			4+00	13.2	
13.0				13.3	
13.0				13.2	
13.1				13.2	
2+00	12.8			13.2	
13.0			50	13.0	
13.1				13.1	
12.9				12.9	

STA. N. 113+50-EAST

DIST	Sound	Elev	DIST	Sound	Elev
(55)	13.0		(55)	11.9	6.4
	13.0			12.0	6.5
5+00	13.2		50	12.3	6.8
	13.3			12.5	7.0
1135	13.5			12.5	7.0
<u>13.2</u>				12.5	7.0
	13.4			12.4	6.9
50	13.4		8+00	12.4	6.9
	13.9			12.4	6.9
	13.8			12.3	6.8
	13.8			12.3	6.8
	13.7			13.0	
6+00	13.7		50	13.8	
	13.6			14.1	
	13.3			14.0	
	13.2			14.0	
	13.3			14.1	
50	13.1		9+00	14.1	
	12.7			13.9	
	12.4	6.9		16.8	
	12.3	6.8		16.6	
	12.2	6.7		16.4	
7+00	12.2	6.7	50	15.6	
	11.8	6.3		15.2	
	11.6	6.1		15.1	

STA. N. 113+50 CONTD EAST 12-1-59

STA. N. 113+50 - EAST

Dist	Sound	Elev	Dist	Sound	Elev
(5.1)	14.7		(5.3)	13.1	
	14.8			12.9	
10+00	15.2		50	12.4	
	15.1			12.1	6.8
11:40	14.6			5.7	0.4
<u> </u>	14.7			3.9	+1.4
	14.3			3.9	+1.4
50	14.3		13+00	3.9	+1.4
	14.2			4.0	+1.3
	14.2		<u>See pg 43</u>	4.0	+1.3
	14.1			4.0	+1.3
	14.2			4.0	+1.3
11+00	14.1		50	4.0	+1.3
	14.1			4.0	+1.3
	14.1			4.0	+1.3
	14.0			9.3	4.0
	14.1			11.2	5.9
50	14.1		14+00	11.5	6.2
	14.1			12.1	6.8
	14.1			12.6	7.3
	14.0			12.7	
	13.9			13.0	
12+00	13.8		50	13.2	0.1
	13.4			13.4	
	13.2			13.5	

Dist	Sound	Elev	Dist	Sound	Elev
(5.2)	13.8		(5.1)	12.6	
	13.6			12.8	
15+00	13.6		50	12.8	
	13.5			12.9	
	13.5			13.1	
11:45	13.2			13.1	
<u> </u>	13.2			13.2	
50	13.1		18+00	13.3	
	13.0			13.2	
	13.0			13.2	
	13.0			13.2	
	13.1			13.2	
16+00	13.1		50	13.2	
	13.1			13.3	
	13.1			13.5	
	13.1			13.9	
	13.1			13.9	
50	12.8		19+00	13.8	
	11.5	6.3		13.8	
	11.5	6.3		13.5	
	11.9	6.7		13.9	
	12.1	6.9		12.9	
17+00	12.1	6.9	50	11.9	6.8
	12.6			12.1	7.0
	12.6			12.5	7.4

STA. N. 113+50 CONTD EAST 12-1-59

DIST	Sound	Elev	DIST	Sound	Elev
(30)	12.8		(49)	14.1	OK
	12.8			11.8	6.9
20+00	13.1		50	11.5	6.6
1150	13.1			11.8	6.9
~	13.2			12.0	
	13.1			12.1	
	13.1			13.0	
50	13.1		23+00	13.1	
	13.1			13.1	
	13.0			12.7	
	13.1			12.9	
	13.1	OK		12.9	
21+00	13.1		50	13.1	X
	13.1			13.1	0
	13.1			13.1	
	13.0			13.1	
	12.9			13.1	
50	12.8		24+00	13.0	
	12.8			13.0	
	13.2			13.0	
	13.3			13.0	
	13.6			13.0	
22+00	14.5		50	13.0	
	14.6			13.1	
	14.6			13.1	

STA. N. 113+50 -EAST (30)

DIST	Sound	Elev
(49)	13.2	
	13.3	
25+00	13.3	
	13.3	
	13.4	
1155	13.1	OK
~	13.0	
50	13.0	
	13.1	
	13.0	
	13.2	
	13.5	
26+00	13.4	
W165 TD		

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STA. N. 114+00; 0+00 = W. 19, 110 ; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(28)	10.5	7.7
2. (28)			50	10.7	7.9
				10.8	8.0
				10.9	8.1
				11.0	8.2
50	0.4	+2.4		11.0	8.2
	0.7	+2.1	3+00	11.0	8.2
<u>11.03</u>	1.0	+1.8		11.0	8.2
	1.5	+1.3		10.7	7.9
	2.0	+0.8		10.5	7.7
1+00	2.3	+0.5		10.4	7.6
	3.6	0.8	50	10.3	7.5
	7.4	4.6		10.5	7.7
	9.3	6.5		10.6	7.8
	10.0	7.2		10.4	7.6
50	10.3	7.5		10.3	7.5
	10.3	7.5	4+00	10.5	7.7
	10.5	7.7		10.3	7.5
	10.6	7.8		10.3	7.5
	10.7	7.9		10.3	7.5
2+00	10.8	8.0		10.4	7.6
	10.5	7.7	50	10.3	7.5
	10.5	7.7		10.5	7.7
	10.5	7.7		10.5	7.7

STA. N. 114+00-EAST

Dist	Sound	Elev	Dist	Sound	Elev
(27)	10.6	7.9	(27)	10.7	8.0
	10.6	7.9		10.5	7.8
5+00	10.5	7.8	50	10.4	7.7
	10.4	7.7		10.4	7.7
	10.8	8.1		10.4	7.7
	11.0	8.3		10.4	7.7
	10.9	8.2		10.6	7.9
50	11.0	8.3	8+00	10.7	8.0
	10.9	8.2		10.9	8.2
	11.1	8.4		10.4	7.7
	11.0	8.3		10.4	7.7
	11.1	8.4		10.3	7.6
6+00	11.2	8.5	50	10.3	7.6
11.0	11.2	8.5		10.3	7.6
	11.1	8.4		10.2	7.5
	11.0	8.3		10.3	7.6
	11.1	8.4		12.5	9.8
50	10.9	8.2	9+00	12.5	9.8
	10.5	7.8		12.5	9.8
	10.0	7.3		12.4	9.7
	10.5	7.8		12.2	9.5
	10.9	8.2		12.0	9.3
7+00	11.0	8.3	50	11.3	8.6
	10.9	8.2		11.0	8.3
	10.9	8.2		10.9	8.2

STA. N. 114+00 CONTD EAST 12-1-59

Dist	Sound	Elev	Dist	Sound	Elev
(26)	11.1	8.5	(25)	1.4	+1.1
	11.2	8.6		1.3	+1.2
2 10+00	11.2	8.6	50	1.4	+1.1
<u>13.15</u>	11.2	8.6		1.4	+1.1
	11.5	8.9		1.6	+0.9
	11.5	8.9		1.5	+1.0
	11.6	9.0		1.5	+1.0
50	11.6	9.0	13+00	2.0	+0.5
	11.5	8.9		1.6	+0.9
	11.4	8.8		1.6	+0.9
	11.3	8.7		1.5	+1.0
	11.4	8.8		1.7	+1.2
11+00	11.4	8.8	50	1.5	+1.0
	11.2	8.6		6.0	3.5
	11.1	8.5		8.7	6.2
	11.0	8.4		9.0	6.5
	11.0	8.4		9.0	6.5
50	10.9	8.3	14+00	9.3	6.8
	10.6	8.0		9.5	7.0
	10.7	8.1		9.8	7.3
	10.3	7.7	11.20	9.9	7.4
	7.3	4.7	<u> </u>	10.1	7.6
12+00	2.5	+0.1	50	10.1	7.6
(See pg 43)	1.5	+1.1		10.2	7.7
	1.4	+1.2		10.5	8.0

STA. N. 114+00 - EAST

(32)

Dist	Sound	Elev	Dist	Sound	Elev
(24)	10.7	8.3	(23)	10.1	7.8
	10.6	8.2		10.1	7.8
15+00	10.6	8.2	50	10.1	7.8
	10.6	8.2		10.3	8.0
	10.6	8.2		10.2	7.9
	10.6	8.2		10.2	7.9
	10.7	8.3		10.2	7.9
50	10.8	8.4	18+00	10.4	8.1
	10.8	8.4	<u>11.25</u>	10.3	8.0
	10.8	8.4		10.4	8.1
	11.0	8.6		10.6	8.3
	11.0	8.6		10.7	8.4
16+00	11.0	8.6	50	11.0	8.7
	10.9	8.5		11.1	8.8
	10.5	8.1		11.1	8.8
	10.2	7.8		11.2	8.9
	10.0	7.6		11.2	8.9
50	9.1	6.7	19+00	11.2	8.9
	9.1	6.7		10.9	8.6
	9.2	6.8		9.0	6.7
	9.3	6.9		9.3	7.0
	9.5	7.1		9.8	7.5
17+00	9.8	7.4	50	9.9	7.6
	10.0	7.6		10.0	7.7
	10.1	7.7		10.1	7.8

STA. N. 114+00 CONTD EAST 12-1-59

STA. N. 114+00 - EAST

	DIST	SOUND	ELEV		DIST	SOUND	ELEV
	(23)	10.2	7.9		(22)	9.4	7.2
		10.2	7.9			9.6	7.4
20+00		10.2	7.9	50		9.8	7.6
		10.3	8.0	11.30		10.0	7.8
		10.3	8.0	=		10.4	8.2
		10.2	7.9			10.3	8.1
		10.2	7.9			10.3	8.1
50		10.2	7.9	23+00		10.3	8.1
		10.1	7.8			10.4	8.2
		10.1	7.8			10.4	8.2
		9.9	7.6			10.3	8.1
		9.8	7.5			10.9	8.7
21+00		9.5	7.2	50		10.9	8.7
		9.3	7.0			11.0	8.8
		9.2	6.9			10.8	8.6
		9.0	6.7			10.6	8.4
		9.0	6.7			10.6	8.4
50		7.5	5.2	24+00		10.5	8.3
		2.2	+0.1			10.5	8.3
		3.5	1.2			10.5	8.3
		6.0	3.7			10.5	8.3
		7.4	5.1			10.9	8.7
22+00		7.5	5.2	50		10.9	8.7
		8.2	5.9			11.0	8.8
		9.0	6.7			11.0	8.8

	DIST	SOUND	ELEV
	(20)	10.9	8.9
		10.5	8.5
25+00		10.2	8.2
	11.35	10.0	8.0
		9.9	7.9
		9.4	7.4
		9.6	7.6
50		9.7	7.7
		10.0	8.0
		10.1	8.1
		10.1	8.1
		10.2	8.2
26+00		10.2	8.2

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STA. N. 114+50; 0+00 = W. 19,020; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	1.1		(15)	9.7	
(15)	1.8		50	9.1	
	5.4		<u>11.55</u>	9.1	
<u>11.53</u>	8.0			9.0	
	8.5			8.8	
50	9.0			8.9	
	9.0		3+00	9.0	
	9.2			8.9	K
	9.2			9.0	0
	9.2			8.8	
1+00	9.3			8.7	
	9.2		50	9.1	
	9.2	K		9.4	
	9.2	0		9.3	
	9.2			9.3	
50	9.7			9.2	
	9.4		4+00	8.5	7.0
	9.5			8.1	6.6
	9.0			8.4	6.9
	9.2			8.1	6.6
2+00	8.8			8.1	6.6
	8.7		50	8.6	7.1
	8.8			8.7	
	9.2			8.8	OK

STA. N. 114+50 - EAST

(39)

Dist	Sound	Elev	Dist	Sound	Elev
(14)	8.9		(13)	9.4	
	8.9			9.3	
5+00	9.0		50	9.1	
	9.0		<u>2:00</u>	8.8	
	9.0	K		8.8	
	9.0	0		11.0	
	8.9			11.2	
50	8.8		8+00	11.3	
	8.7			11.2	
	8.3	6.9		10.6	
	8.3	6.9		10.3	
	9.2			10.3	K
6+00	9.3		50	10.3	0
	9.3			10.3	
	9.4			10.3	
	9.5			10.1	
	9.5	K		9.9	
50	9.4	0	9+00	9.8	
	9.3			9.3	
	9.3			9.6	
	9.4			9.3	
	9.8			9.4	
7+00	9.7		50	9.6	
	9.8			9.7	
	9.6			9.8	

STA. N. 114+50 CONTD EAST

STA. N. 114+50 - EAST

Dist	Sound	Elev	Dist	Sound	Elev
13	9.8				
	9.7				
210+00	9.6		50		
202	9.7		210	8.0	6.7
	9.3			8.3	7.0
	9.5		11	9.0	
	9.4			8.7	
50	9.3		13+00	8.3	
	9.3			8.3	
	8.6			8.5	

(See Pg 44)

11+00

HIGH GROUND

50	9.1	
	9.0	
	9.0	
	9.1	
	9.1	
14+00	9.1	
	9.1	
	9.3	
	9.2	
	9.2	
50	9.3	
	9.2	
	9.2	

12+00

Dist	Sound	Elev	Dist	Sound	Elev
0.9	9.3		0.9	9.2	
	9.4			9.6	
15+00	9.6		50	9.8	
	9.7			10.1	
2115	9.5			10.2	
	9.2			9.9	
	9.8			9.9	
50	9.1		18+00	9.8	
	8.1			9.1	
	8.0			7.9	7.0
	8.1			7.8	6.9
	8.1			8.0	
16+00	8.2		50	8.2	
	8.1			8.3	
	8.2			8.5	
	8.9			8.6	
	8.7			8.7	
50	8.7		19+00	8.9	
	8.7			9.1	
	8.8			9.1	
	8.9			9.1	
	9.1			9.1	
17+00	9.1		50	9.1	
	9.3			9.1	
	9.1			9.0	

STA. N. 114+50 CONTD EAST 12-1-59

Dist	Sound	Elev	Dist	Sound	Elev	
(08)	8.9	}	(08)	9.1	8.3	
	8.5			9.1	8.3	
20+00	8.3			50	9.1	8.3
	8.1				9.1	8.3
	7.9				9.1	8.3
21:20	7.7	6.9		9.1	8.3	
<u>50</u>	7.5	6.7		9.3	8.5	
50	7.5	6.7	23+00	9.3	8.5	
	5.3	4.5		9.2	8.4	
	0.2	+0.6		9.2	8.4	
	5.1	4.3		9.2	8.4	
	5.2	4.4		9.2	8.4	
21+00	6.0	5.2	50	9.2	8.4	
	6.3	5.5		9.3	8.5	
	7.0	6.2		9.5	8.7	
	7.1	6.3		9.8	9.0	
	7.3	6.5		9.3	8.5	
50	8.1	7.3	24+00	8.2	7.4	
	8.3	7.5		8.2	7.4	
	8.4	7.6		8.3	7.5	
	8.6	7.8		9.0	8.2	
	8.7	7.9		9.0	8.2	
22+00	8.9	8.1	50	9.0	8.2	
	9.0	8.2		8.9	8.1	
	9.0	8.2		9.2	8.4	

STA. N. 114+50 - EAST

Dist	Sound	Elev
(07)	9.7	9.0
	9.2	8.5
25+00	9.2	8.5
	9.1	8.4
2:23	8.9	8.2
<u>50</u>	8.9	8.2
	8.5	7.8
50	8.5	7.8
	9.0	8.3
	8.6	7.9
	8.7	8.0
	8.3	7.6
26+00	4.4	3.7

W16420

12-1-59

19110 80

STA. N. 115+00; 0+00=W. 19,030; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(0.3)	8.4	
(0.3)	0.9		50	8.5	
	4.0			8.5	
<u>245</u>	6.8			8.3	
	7.3			8.4	
50	7.6			8.3	
	7.6		3+00	8.2	
	7.8			8.1	
	7.7			8.0	
	8.0			8.1	
1+00	7.9			8.1	
	8.0		50	8.0	
	7.9			8.0	
	7.9			8.0	
	7.9			7.9	
50	7.5			8.0	
	7.5		4+00	8.1	
	8.1			8.0	
	8.2			8.1	
	8.2			8.0	
2+00	8.3			7.9	
	8.5		50	8.0	
	8.6			8.0	
	8.6			8.0	

STA. N. 115+00 - EAST

Dist	Sound	Elev	Dist	Sound	Elev
(0.2)	7.9		(0.2)	7.9	
	7.9			8.0	
5+00	7.9		50	8.0	
	7.8			9.5	
	7.6			11.0	
	7.5			11.4	
	7.3			10.2	
50	7.2		8+00	10.0	
	6.9	6.7		10.0	
	7.5			9.6	
	7.4			9.2	
	7.2			9.2	
6+00	7.3		50	9.0	
<u>2.50</u>	7.3			9.1	
	7.2			9.1	
	7.3			9.1	
	7.4			9.0	
50	7.6		9+00	9.2	
	7.8			9.1	
	7.9			9.1	
	7.9			9.0	
	8.0			9.0	
7+00	8.0		50	9.0	
	8.0			8.6	
	7.9			8.5	

STA. N. 115+00 CONTD EAST 12-1-59
Dist Sound Elev Dist Sound Elev

(0.2)	8.4				
	8.5				
10+00	8.4		50	5.8	
	8.3		300	9.1	
	8.0		(0.1)	9.3	
2,55	7.9			9.0	
	7.5			8.7	
50	5.9	5.7	13+00	8.6	

HIGH GROUND
(see Pg. 44)

			50	8.4	
				8.9	
				9.2	
			50	9.3	
11+00			50	9.4	
				9.3	
				9.2	
				9.0	
				8.9	
50			14+00	8.8	
				9.0	
				9.0	
				9.0	
12+00			50	9.2	
				9.2	
				9.1	

STA. N. 115+00 - EAST
Dist Sound Elev Dist Sound Elev

(0.1)	9.0		(0.0)	8.5	
	9.2			9.0	
15+00	9.1		50	9.1	
	9.1			9.4	
	9.1			9.5	
	9.0			9.5	
	8.8			9.2	
50	8.3		18+00	8.9	
	7.5			8.3	
	8.1			8.3	
	8.3			8.4	
	8.3			8.5	
16+00	8.3		50	8.5	
	8.3			8.2	
	8.3		305	8.2	
	8.2			8.0	
	8.1			8.6	
50	8.0		19+00	8.5	
	8.1			8.4	
	8.2			8.3	
	8.2			8.2	
	8.2			8.2	
17+00	8.2		50	8.2	
	8.2			8.2	
	8.3			8.2	

STA. N. 115+00 CONTD EAST 12-1-59

STA. N. 115+00 - EAST

Dist Source Elev Dist Source Elev

Dist Source Elev

(0.0)	8.2		(-0.1)	6.6	6.7
	8.1			6.8	6.9
20+00	8.1		50	6.9	7.0
	8.1			7.0	
	8.1		3110	7.0	
	8.2		<u> </u>	7.1	
	8.2			7.0	
50	9.4		23+00	7.0	
	9.4			7.1	
	7.8			7.2	
	6.4	6.4		7.2	
	6.5	6.5		7.2	
21+00	6.0	6.0	50	7.2	
	5.2	5.2		7.2	
	5.8	5.8		7.2	
	5.5	5.5		7.2	
	5.6	5.6		7.1	
50	5.9	5.9	24+00	6.9	7.0
	5.9	5.9		6.8	6.9
	6.0	6.0		6.9	7.0
	6.0	6.0		7.1	
	6.3	6.3		7.2	
22+00	6.3	6.3	50	7.2	
	6.5	6.5		7.3	
	6.6	6.6		7.5	

(-0.1)	7.6	
	7.5	
25+00	7.4	
	7.5	
	7.4	
	7.3	
	7.2	
50	7.2	
313	7.0	
<u> </u>	7.0	
	7.0	
	4.9	5.0
26+00	1.1	1.2

W16410

12-2-59

STA. N. 115+50; 0+00 = W. 19, 140 ; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(7.3)	14.2	6.9
(7.3)	0.7		50	14.9	
	1.9			15.4	
<u>9:03</u>	3.1			16.1	
	4.0			15.7	
50	4.4			15.3	
	4.9		3+00	15.2	
	5.3			15.5	
<u>9:05</u>	6.0			15.4	
	6.6			15.6	
1+00	7.1			15.3	
	8.0		50	16.0	
	11.1			15.7	
	13.3			16.0	
	13.9			15.3	
50	14.1	6.8		15.9	
	14.2	6.9	4+00	15.4	
	14.2	6.9		15.2	
	14.2	6.9		15.1	
	14.0	6.7		15.1	
2+00	14.1	6.8		15.1	
	14.2	6.9	50	14.9	
	14.3	7.0		14.9	
	14.2	6.9		14.4	

STA. N. 115+50 - EAST

Dist	Sound	Elev	Dist	Sound	Elev
(7.4)	14.4		(7.4)	15.2	
	15.0			15.0	
5+00	15.1		50	15.2	
<u>9:10</u>	15.2			15.3	
	15.2			15.6	
	15.3			15.7	
	15.3			15.6	
50	15.3		8+00	15.7	
	15.2			15.8	
	15.5			15.7	
	15.3			15.7	
	15.2			15.3	
6+00	17.3		50	16.3	
	17.8			16.8	
	17.4			17.1	
	17.2			18.3	
	17.2			17.9	
50	17.0		9+00	17.7	
	16.9			17.3	
	16.4			17.1	
	15.9			16.8	
	15.8			17.0	
7+00	15.7		50	17.3	
	15.6			17.2	
	15.3			17.3	

STA. N. 115+50 CONTD - EAST 12-2-59

DIST	Sound	Elev	DIST	Sound	Elev
(74)	17.2		(74)	17.1	
	17.2			17.0	
10+00	17.1		50	16.8	
<u>9:15</u>	16.9			16.7	
	17.1			16.9	
	17.1			16.7	
	17.2			16.4	
50	17.1		13+00	16.2	
	17.1			16.2	
	17.0			16.1	
	17.0			16.2	
	17.3	OK		16.4	OK
11+00	17.3		50	17.1	
	17.6			17.2	
	17.4			17.2	
	16.3			17.2	
	15.3			17.1	
50	15.5		14+00	16.8	
	16.3			16.7	
	17.0			16.4	
	16.8			16.3	
	16.4			16.2	
12+00	16.5		50	16.3	
	16.6			16.3	
	17.0			16.3	

STA. N. 115+50 - EAST (4)

DIST	Sound	Elev	DIST	Sound	Elev
(74)	16.9		(74)	17.0	
	16.4			16.9	
15+00	16.7		50	16.9	
<u>9:20</u>	16.8			15.9	
	16.8			16.2	OK
	18.0			16.3	OK
	17.9			16.3	
50	17.7		18+00	16.3	
	17.7			16.3	
	17.6			16.2	
	17.9			15.2	
	17.6	OK		14.3	6.9
16+00	17.9		50	14.5	7.1
	18.1			15.3	
	18.0			18.6	
	17.6			18.9	
	16.9			18.7	
50	16.3		19+00	18.4	
	16.7			18.6	OK
	16.4			18.3	
	16.5			17.4	
	16.5			17.5	
17+00	16.3		50	17.3	
	16.3			17.3	
	16.8			17.6	

STA. N. 115+50 CONTD EAST 12-2-59

DIST	Sound	Elev	DIST	Sound	Elev
(75)	17.7		(75)	14.2	6.7
	17.6			14.3	6.8
20+00	17.7		50	14.5	7.0
<u>9.25</u>	17.8			14.6	7.1
	17.3			14.4	6.9
	17.2			14.5	7.0
	17.1			14.6	
50	17.0	0	23+00	14.6	0
	17.1			14.7	
	17.1			14.8	
	17.1			14.1	6.6
	17.2			14.1	6.6
21+00	17.6		50	14.1	6.6
	17.9			14.1	6.6
	17.9			14.1	6.6
	14.0	6.5		14.2	6.7
	14.2	6.7		14.2	6.7
50	14.2	6.7	24+00	14.2	6.7
	14.6	7.1		14.3	6.8
	14.6	7.1		14.5	7.0
	14.3	6.8		14.7	
	14.3	6.8		14.9	
22+00	13.9	6.4	50	14.9	0
	13.9	6.4		14.9	
	14.5	7.0		15.0	

STA. N. 115+50 - EAST

DIST	Sound	Elev
(75)	15.1	
	15.1	
25+00	15.1	
<u>9.30</u>	14.8	
	14.8	
	15.1	
	14.9	
50	15.0	
	15.0	
	15.1	
	15.1	
	15.1	
26+00	15.1	
W/16540		

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STA. N. 113+50; 0+00=W. 19, 110; SOUND EAST

Dist Sound Elev Dist Sound Elev

12+40 16.4

50 16.6

(7.1) 16.7

11:00 16.3 16.2

16.1

13+00 16.0

16.0

16.9

17.0

17.1

50 16.9

16.6

16.3

16.4

16.8

14+00 16.7

16.7

16.4

16.2

16.0

50 16.0

16.0

16.0

16.0

16.0

16.0

16.0

16.0

16.0

16.0

16.0

16.0

OK

(See Pg. 29)

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(13)

STA. N. 114+00; 0+00=W. 19, 110; SOUND EAST

Dist Sound Elev Dist Sound Elev

11+50 16.6 9.5

(7.1) 15.9 8.8

16.1 9.0

10:53 15.9 8.8 15.8 8.7

12+00 15.8

15.8

15.8

15.8

15.8

50 15.8

15.8

15.8

15.8

15.8 8.7

15.9 8.8

13+00 15.8 8.7

16.0 8.9

16.0

16.0

16.0

50 16.0

16.1 9.0

16.2 9.1

16.1 9.0

16.1 9.0

16.1 9.0

16.1 9.0

16.1 9.0

16.1 9.0

16.1 9.0

16.1 9.0

16.1 9.0

(See Pg 32)

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STA. N. 114+50; 0+00=W19, 110; SOUND EAST

Dist Sound Elev Dist Sound Elev

11+50 17.2 15.4 OK

(69) 17.1 14+00 14.3

16.4

11+10 16.3 (see Pg. 35)

15.8

12+00 15.5

15.2

15.1

15.1

15.1

50 15.3 OK

15.2

15.2

15.2

15.2

13+00 15.4

15.2

15.3

15.4

15.4

50 15.8

15.9

15.8

15.6

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49

STA. N. 115+00; 0+00=W19, 110; SOUND EAST

Dist Sound Elev Dist Sound Elev

11+00 15.4 16.3

(64) 15.0 50 16.9 OK

15.0 13+60 16.5

11+35 16.2 (see Pg. 38)

16.4

11+50 18.3

17.2

16.5

16.5

16.0

12+00 15.9 OK

16.0

16.0

16.0

15.8

50 15.6

15.3

15.2

15.3

15.3

13+00 15.3

15.5

15.8

16.2

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STA. N. 137+00; 0+00 = W/16,830 ; SOUND WEST

Dist Sound Elev

4+00 13.2

(39) 12.3

1:20 11.2

10.3

10.9

5 50 10.9

11.0

11.0

10.9

10.7

5+00 10.5

STA. N. 139+00; 0+00 = W.16,880 ; SOUND WEST

Dist Sound Elev

4+50 10.0

(35) 9.7

9.8

1:35 10.2

10.1

5+00 9.9

10.1

10.1

10.1

10.0

50 10.3

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(45)

STA. N. 137+50; 0+00 = W/16,840; SOUND WEST

Dist Sound Elev Dist Sound Elev

4+50 10.4

10.3

(37) 10.4

10.9

10.4

50 10.3

1:25 10.4

10.8

5+00 10.8

10.7

10.4

N. 138+50; 0+00 = W.16,860 ; SOUND WEST

Dist Sound Elev

4+30 12.0

(36) 10.3

50 10.0

10.2

10.3

1:30 10.4

10.4

5+00 10.1

10.2

10.3

10.4

10.5

50 10.5

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STA. N. 117+50; 0+00 = W. 16,390; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+50

1.7

3+00

50

1+00

8.9

10.2

1+00

12.4

13.8

50

6+00

15.1

15.3

15.6

50

15.7

15.3

4+00

50

15.8

15.8

15.3

2+00

15.7

15.2

50

7+00

15.4

15.1

15.7

50

14.8

14.6

5+00

14.2

14.8

STA. N. 117+50 - WEST

Dist Sound Elev

(46)

12-3-59

STA. N. 112+50; 0+00 = W16270; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00 (70) 15.1

50 14.9

14.6

14.3

14.2

14.2

50 4.9

5.4

3+00 14.2

7.0

14.8

8.9

15.0

10.2

15.0

1+00 10.4

15.0

12.2

50 14.9

15.1

14.9

15.3

14.9

15.5

14.9

50 15.7

14.8

15.8

4+00 14.4

15.8

1007 14.3

15.8

14.2

15.8

14.1

2+00 15.7

14.1

15.2

50 14.3

15.3

14.3

15.6

14.1

STA. N. 112 + 50 - WEST

Dist Sound Elev Dist Sound Elev

14.0 7.0 14.5

13.5 6.5 14.3

5+00 13.2 6.2 50 14.3

14.2 1000 14.4

15.0 15.2

15.1 14.7

15.0 14.6

50 14.9 8+00 14.7

15.1 14.3

15.2 14.2

15.2 14.2

15.2 14.1

6+00 15.1 50 14.0 7.0

15.2 14.0 7.0

15.7 14.0 7.0

15.3 13.9 6.9

15.3 13.8 6.8

50 15.4 9+00 15.1

15.4 15.2

15.6 15.2

15.7 15.4

14.8 15.4

7+00 14.1 50 15.3

14.2 15.2

14.3 15.1

STA. N. 112+50 CONTD WEST 12-3-59

Dist	Sound	Elev	Dist	Sound	Elev
	15.1			15.1	
	15.1			15.0	
10+00	15.1		50	15.2	
	14.9			15.0	
	15.1			15.1	
	14.7			15.0	0%
	15.2	0		14.6	0%
50	14.8	0	13+00	14.7	
10:15	14.7			14.3	
	14.7			14.3	
	14.6			14.3	
	14.3			14.2	
11+00	14.1		50	14.0	
	14.0			13.9	6.9
	14.0			16.0	
	13.9	6.9		16.1	
	13.7	6.7		16.2	
50	13.3	6.3	14+00	16.3	
	13.1	6.1		16.4	
	14.9			16.3	0%
	15.0			16.2	0%
	15.0			16.1	
12+00	15.0	0	50	16.0	
	15.0			16.0	
	15.0			15.8	

STA. N. 112+50 - WEST

(48)

Dist	Sound	Elev	Dist	Sound	Elev
	16.0			15.2	
	15.8			15.2	
15+00	16.2		50	15.2	
	16.0			15.2	
	16.1			15.2	
10:20	16.2			15.0	
	16.5			15.8	
50	16.5		18+00	16.1	
	16.5			15.9	
	16.5			15.8	
	16.2			15.9	
	16.1	0		16.0	0
16+00	15.7	0	50	16.3	0
	15.7			17.1	
	15.4			17.1	
	14.6			16.9	
	14.5			14.0	
50	14.3		19+00	14.1	
	14.7			14.3	
	15.2			14.5	
	15.2			14.6	
	15.3			14.8	
17+00	15.2		50	15.0	
	15.2			15.1	
	15.2			15.4	

STA. N. 112+50 CONTD WEST 12-3-59

Dist	Sound	Elev	Dist	Sound	Elev
	15.4			13.9	6.9
	15.3			13.7	6.7
20+00	15.3		50	14.1	
	15.3			14.2	
<u>1025</u>	15.8			14.2	
	15.7			14.1	
	15.7			14.7	
50	15.3	X	23+00	14.6	
	15.3	0		14.2	
	15.1			14.3	
	15.1			14.2	
	14.6			14.1	
21+00	14.3		50	14.1	X
	14.1			14.1	0
	13.5	6.5		14.1	
	13.7	6.7		14.2	
	14.0			14.4	
50	14.0	OK	24+00	14.4	
	13.9	6.9		14.3	
	13.8	6.8		14.4	
	13.9	6.9		14.6	
	13.9	6.9		14.5	
22+00	14.1	OK	50	14.6	
	14.2	OK		15.0	
	13.8	6.8		14.7	

STA. N. 112+50 - WEST

Dist	Sound	Elev
	14.5	
	14.6	
25+00	14.8	
	14.6	
<u>1030</u>	14.9	
	15.3	
	15.2	
30	15.1	OK
	15.3	
	15.3	
	15.3	
	15.4	
26+00	16.2	

12-3-59

STA. N. 112+00; 0+00=W16260; SOUND WEST

Dist Sound Elev Dist Sound Elev

0+00 15.1 8.1

50 15.0 8.0

14.9 7.9

14.9 7.9

14.9 7.9

14.7 7.7

3+00 14.7 7.7

14.9 7.9

15.0 8.0

15.2 8.2

15.4 8.4

50 15.3 8.3

15.2 8.2

15.3 8.3

15.3 8.3

50 15.2 8.2

15.2 8.2 4+00 15.4 8.4

15.2 8.2 15.3 8.3

10:50 15.3 8.3 15.2 8.2

15.4 8.4 15.0 8.0

2+00 15.3 8.3 15.0 8.0

15.2 8.2 50 15.1 8.1

15.2 8.2 14.5 7.5

15.1 8.1 14.5 7.5

STA. N. 112+00 - WEST

(50)

Dist Sound Elev Dist Sound Elev

(70) 14.4 7.4 (69) 14.9 8.0

14.0 7.0 15.0 8.1

5+00 15.0 8.0 50 15.1 8.2

15.0 8.0 15.0 8.1

15.0 8.0 15.1 8.2

15.0 8.0 15.0 8.1

14.9 7.9 14.9 8.0

50 14.9 7.9 8+00 14.9 8.0

14.8 7.8 14.7 7.8

10:55 14.5 7.5 14.5 7.6

14.7 7.7 14.5 7.6

14.6 7.6 14.6 7.7

6+00 14.8 7.8 50 14.5 7.6

14.6 7.6 14.4 7.5

14.7 7.7 11:00 14.2 7.3

15.0 8.0 14.2 7.3

15.1 8.1 15.3 8.4

50 15.2 8.2 9+00 15.3 8.4

15.5 8.5 15.5 8.6

15.7 8.7 15.7 8.8

15.4 8.4 15.6 8.7

14.7 7.7 15.5 8.6

7+00 14.9 7.9 50 15.3 8.4

14.9 7.9 15.1 8.2

14.9 7.9 15.0 8.1

STA. N. 112+00 CONTD WEST 12-3-59

STA. N. 112+00 - WEST

(5)

Dist	Sound	Elev	Dist	Sound	Elev
(69)	14.8	7.9	(69)	15.1	8.2
	15.0	8.1		15.0	8.1
10+00	14.8	7.9	50	15.0	8.1
	14.8	7.9		15.0	8.1
	14.8	7.9		15.1	8.2
	14.9	8.0		15.1	8.2
	15.0	8.1		15.0	8.1
50	14.9	8.0	13+00	14.9	8.0
	14.9	8.0		14.7	7.8
	14.8	7.9		14.5	7.6
	14.7	7.8	1105	14.2	7.3
	14.6	7.7		14.1	7.2
11+00	14.7	7.8	50	14.3	7.4
	14.5	7.6		15.3	8.4
	14.5	7.6		15.4	8.5
	14.4	7.5		15.6	8.7
XXXX	13.3	6.4		15.7	8.8
50	14.4	7.5	14+00	16.0	9.1
	14.6	7.7		15.9	9.0
	15.0	8.1		15.9	9.0
	15.1	8.2		15.5	8.6
	15.1	8.2		15.3	8.4
12+00	15.1	8.2	50	15.4	8.5
	15.1	8.2		15.3	8.4
	15.0	8.1		15.2	8.3

Dist	Sound	Elev	Dist	Sound	Elev
(69)	15.5	8.6	(69)	15.6	8.7
	15.3	8.4		15.5	8.6
15+00	15.6	8.7	50	15.3	8.4
	15.8	8.9	1110	15.3	8.4
	16.1	9.2		15.4	8.5
	16.2	9.3		15.4	8.5
	16.2	9.3		15.7	8.8
50	16.2	9.3	18+00	15.9	9.0
	16.1	9.2		16.0	9.1
	16.0	9.1		16.3	9.4
	16.0	9.1		17.0	10.1
	16.0	9.1		17.4	10.5
16+00	15.8	8.9	50	17.5	10.6
	15.5	8.6		15.3	8.4
	14.3	7.4		15.1	8.2
	14.3	7.4		15.2	8.3
	14.7	7.8		15.3	8.4
50	14.8	7.9	19+00	15.4	8.5
	15.0	8.1		15.6	8.7
	15.2	8.3		15.7	8.8
	15.3	8.4		16.0	9.1
	15.3	8.4		16.3	9.4
17+00	15.2	8.3	50	16.7	9.8
	15.2	8.3		17.0	10.1
	15.5	8.6		17.1	10.2

STA. N. 112+00 CONTD WEST 12-3-59

Dist	Sound	Elev	Dist	Sound	Elev
(68)	17.2	10.4	(68)	14.0	7.2
	17.2	10.4		14.1	7.3
20+00	17.3	10.5	50	14.0	7.2
	17.5	10.7		14.1	7.3
	18.0	11.2		14.3	7.5
	18.1	11.3		14.3	7.5
	17.0	10.2		14.2	7.4
50	16.0	9.2	23+00	14.1	7.3
1115	16.0	9.2		14.0	7.2
<u> </u>	14.1	7.3		13.9	7.1
1115	13.3	6.5		14.0	7.2
	13.3	6.5		14.0	7.2
21+00	13.6	6.8	50	14.0	7.2
	13.6	6.8		14.0	7.2
	13.5	6.7		14.2	7.4
	13.7	6.9		14.7	7.9
	13.9	7.1		14.3	7.5
50	14.2	7.4	24+00	14.5	7.7
	14.5	7.7		14.3	7.5
	14.4	7.6		14.2	7.4
	14.3	7.5		14.1	7.3
	14.2	7.4		13.8	7.0
22+00	14.2	7.4	50	13.8	7.0
	14.0	7.2		14.2	7.4
	14.0	7.2		14.2	7.4

STA. N. 112+00 - WEST

Dist	Sound	Elev
(68)	14.1	7.3
	14.1	7.3
25+00	14.3	7.5
1120	14.4	7.6
<u> </u>	14.6	7.8
	14.5	7.7
	14.1	7.3
50	14.2	7.4
	14.1	7.3
	14.1	7.3
	14.0	7.2
	14.1	7.3
26+00	14.5	7.7

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STA. N. 111+50; 0+00 = W. 162AD ; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(66)	14.5	
(66)			50	14.5	
				14.9	
				14.9	
				14.4	
				14.1	
50	4.4			14.0	
	5.2		3+00	14.0	
	6.8			14.0	
	8.2			14.0	
	9.4			14.3	
1+00	10.4			14.0	
	11.0		50	14.2	
	10.8			14.2	
	11.0			14.2	
	12.3			14.2	
50	14.3			14.0	
	14.7		4+00	14.1	
	14.8			14.0	
	14.9			14.3	
	14.8			14.6	
2+00	14.8			14.6	
	14.4		50	14.5	
	14.5			14.2	
	14.4			14.1	

STA. N. 111+50 - WEST

Dist	Sound	Elev	Dist	Sound	Elev
(66)	13.9		(66)	14.0	
	13.9			14.1	
5+00	14.9		50	14.1	
	14.5			14.1	
	14.3			14.2	
1+05	14.2			14.3	
	14.2			14.3	
50	14.2		8+00	14.2	
	14.2			14.0	
	14.2			14.1	
	14.2			14.0	
	14.2			14.1	
6+00	14.2		50	14.0	
	14.2			13.4	6.8
	14.2			13.4	6.8
	14.2			13.3	6.7
	14.2			13.2	6.6
50	14.7		9+00	15.0	
	15.1			15.2	
	15.2			15.3	
	15.2			15.3	
	15.1			15.2	
7+00	14.1		50	14.9	
	13.6	7.0		14.8	
	13.7	OK.		14.8	

(33)

STA. N. 111+50 CONTD WEST 12-3-59

DIST	Sound	Elev	DIST	Sound	Elev
(65)	14.7		(65)	15.0	
	14.4			15.0	
10+00	14.3		50	14.7	
11:50	14.2			14.3	
—	14.3			14.7	
	14.2			14.4	
	14.1			14.4	
50	14.2		13+00	14.3	
	14.0			14.1	
	14.0			14.1	
	14.0			14.0	
	13.6			13.9	
11+00	13.7		50	13.7	
	13.3	6.8		13.3	6.8
	13.2	6.7		14.4	
	13.2	6.7		14.7	
	13.2	6.7		15.0	
50	13.2	6.7	14+00	15.3	
	14.0			15.4	
	14.7			15.6	
	15.1			15.4	
	15.1			15.2	
12+00	15.1		50	14.7	
	15.1			14.7	
	15.0			15.0	

STA. N. 111+50 - WEST (54)

DIST	Sound	Elev	DIST	Sound	Elev
(64)	14.8		(64)	15.1	
	15.1			15.1	
15+00	14.9		50	15.1	
11:55	15.0			15.1	
—	15.1			14.9	
	15.2			14.9	
	15.3			15.1	
50	15.3		18+00	15.1	
	15.3			15.3	
	15.2			15.7	
	15.1			15.9	
	15.0			16.2	
16+00	15.0		50	16.8	
	15.0			17.2	
	12.8	6.4		17.2	
	12.8	6.4		15.7	
	12.9	6.5		15.2	
50	13.0	6.6	19+00	15.2	
	13.3	6.9		15.3	
	13.4	7.0		15.9	
	13.5			16.1	
	13.6			16.1	
17+00	13.9		50	16.1	
	13.8			16.5	
	15.0			16.8	

STA. N. 111+50 CONTD WEST 12-3-59

STA. N. 111+50 - WEST

Dist	Sound	Elev	Dist	Sound	Elev
(64)	16.9		(64)	13.7	OK
	16.8			13.5	OK
120+00	16.8		50	13.3	6.9
12:00	17.2			13.2	6.8
	17.1			12.9	6.5
	16.3	OK		12.9	6.5
	13.9			13.2	6.8
50	13.8		23+00	13.7	
	13.8			14.0	
	13.9			13.6	
	14.2			13.5	
	13.9			13.6	
121+00	13.3	6.9	50	13.8	
	12.8	6.4		14.1	OK
	12.8	6.4		13.8	
	13.1	6.7		13.9	
	13.2	6.8		14.1	
50	13.3	6.9	24+00	14.1	
	13.3	6.9		13.6	
	13.2	6.7		13.8	
	13.4			14.0	
	13.5			13.9	
22+00	13.6	OK	50	13.2	6.8
	13.6			13.4	
	13.7			13.5	OK

Dist	Sound	Elev
(63)	13.7	
	13.7	
25+00	13.9	
	13.9	
12:05	14.1	
	13.7	
	13.6	OK
50	13.7	
	13.8	
	13.9	
	13.9	
	13.5	
26+00	14.2	

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STA. N. 111+00; 0+00 = W. 16, 250			SOUND WEST		
Dist	Sound	Elev	Dist	Sound	Elev
0+00			(40)	12.7	
(41)			50	12.6	
				12.3	
<u>1:50</u>				12.2	
			1:55	12.0	
50	4.1			12.1	
	5.9		3+00	12.0	
	7.5			12.0	
	8.0			12.1	
	8.3			12.5	
1+00	8.5			12.5	
	9.0		50	12.7	
	8.5			12.6	
	10.2			12.6	
	11.6			12.4	
50	12.7			12.2	
	12.2		4+00	12.0	
	12.2			11.9	
	12.1			11.4	
	12.3			11.4	
2+00	12.2			12.3	
	12.3		50	12.6	
	12.5			12.8	
	12.6			12.8	

STA. N. 111+00 - WEST

STA. N. 111+00 - WEST			SOUND WEST		
Dist	Sound	Elev	Dist	Sound	Elev
(40)	12.7		(39)	11.5	
	12.3			11.7	
5+00	12.3		50	11.9	
	12.2			11.9	
	12.2		2:00	12.0	
	12.2			12.0	
	12.3			11.9	
50	12.3		8+00	11.9	
	12.3			11.8	
	12.3			11.9	
	12.4			11.7	
	12.4			11.6	
6+00	12.6		50	11.5	
	12.8			10.6	6.7
	11.3			10.5	6.6
	11.9			12.4	
	12.0			12.5	
50	12.0		9+00	12.7	
	12.1			12.8	
	12.2			12.7	
	12.0			12.5	
	10.9			12.3	
7+00	11.0		50	12.0	
	11.0			11.7	
	11.3			11.5	

STA. N. 111+00 CONTD - WEST 12-3-59

DIST	Sound	Elev	DIST	Sound	Elev
(37)	11.5		(37)	11.8	
	11.4			11.7	
10+00	11.3		50	11.5	
	11.4			11.3	
	11.5			11.2	OK
	11.5			11.1	
	11.4			11.0	
50	11.5		13+00	11.0	
2:05	11.4			10.8	
	11.3			10.5	6.8
	11.5			10.3	6.6
	11.3	OK		10.2	6.5
11+00	11.3		50	12.0	
	11.2			12.2	
	11.0			12.2	
	10.9			12.6	
	10.9			12.8	
50	12.0		14+00	12.9	OK
	12.1			12.9	
	12.0			12.7	
	12.1			12.0	
	12.1			12.2	
12+00	12.0		50	12.0	
	11.9			12.1	
	11.8			12.1	

STA. N. 111+00 - WEST

DIST	Sound	Elev	DIST	Sound	Elev
(36)	12.2		(35)	11.2	
	12.5			11.3	
15+00	12.7		50	11.3	
	13.0			11.3	
2:10	13.1			11.3	
	12.7			12.6	
	12.6			13.4	
50	12.2		18+00	14.0	
	12.0			14.0	
	11.4			13.9	
	11.2			13.9	
	11.2	OK		13.8	
16+00	11.0		50	11.3	OK
	11.1		2:15	11.2	
	11.1			11.3	
	11.2			11.3	
	11.3			11.4	
50	11.2		19+00	11.3	
	11.1			11.3	
	11.4			11.3	
	11.0			11.2	
	11.0			11.4	
17+00	11.0		50	11.5	
	11.1			11.5	
	11.2			11.7	

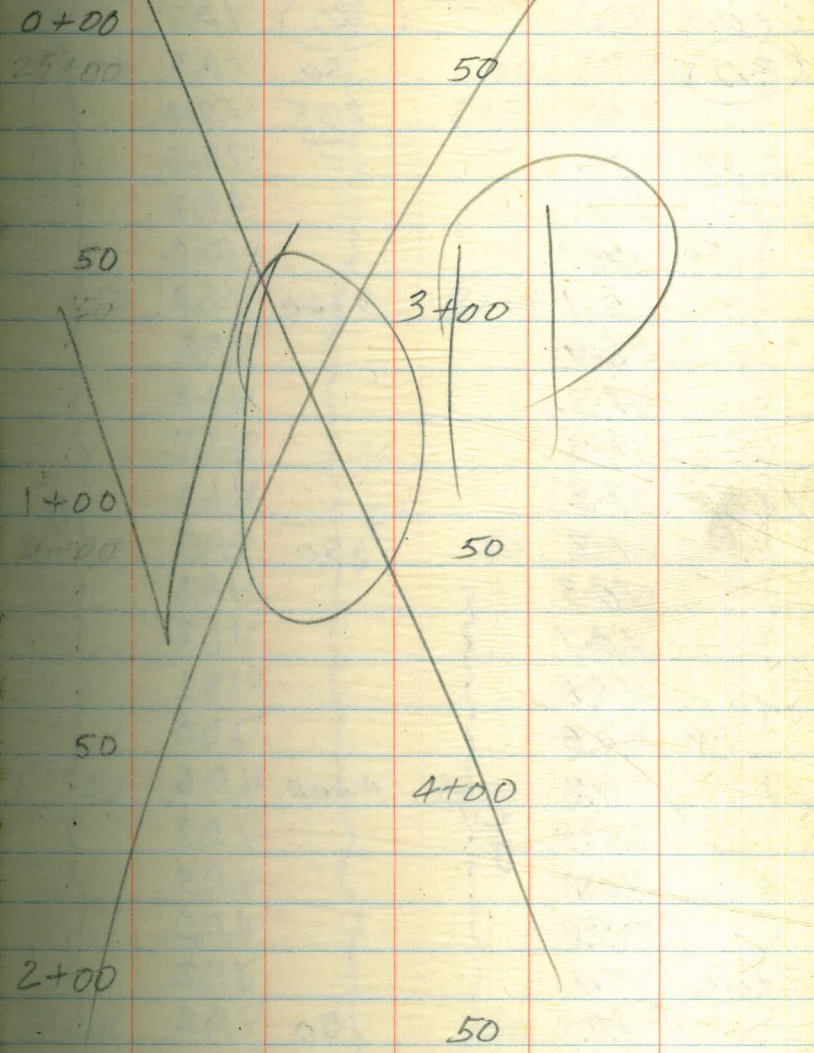
STA. N. 111+00 CONTD WEST 12-3-59

Dist Sound Elev Dist Sound Elev

33	11.9				
	12.0				
20+00	12.1				
	12.0				
	12.3				
	12.8	0'			
	13.4				
50	13.7		23+00		
	14.0				
	12.2				
	10.7				
	10.5				
21+00	10.0	6.5	50		
	10.0	6.5			
	10.0	6.5			
	10.2	6.7			
	10.5	6.5			
50	11.6		24+00		
	11.2				
	11.3				
	11.3	0'			
	11.1				
22+00	11.0		50		

STA. N. 110+50; 0+00 = W16, 230; SOUND WEST

Dist Sound Elev Dist Sound Elev



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STA. N. 110+50; 0+00=W. 16,240; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(30)	10.7	
(30)			50	10.5	
			2:35	10.4	
			<u> </u>	10.3	
				10.2	
50	5.7			10.2	
	6.1		3+00	11.0	
	6.9			11.2	
	7.2			11.2	
	7.2			11.2	
1+00	7.3			11.1	
	7.2		50	11.2	
	10.3			11.2	
	10.7			11.2	
	10.8			11.1	
50	10.8			11.0	
	10.8		4+00	10.6	
	10.9			10.7	
	10.8			11.3	
	10.8			11.2	
2+00	11.1			11.2	
	10.9		50	11.2	
	10.9			11.1	
	10.8			11.1	

STA. N. 110+50 - WEST

Dist	Sound	Elev	Dist	Sound	Elev
(29)	11.0		(29)	11.0	
	11.1			10.9	
5+00	11.1		50	10.9	
	11.1		2:40	10.9	
	10.9		<u> </u>	10.9	
	10.9			10.2	
	10.9			10.6	
50	10.9		8+00	10.5	
	10.9			10.7	
	11.0			10.8	
	11.0			10.6	
	11.4			10.2	
6+00	11.9		50	10.2	
	12.0			11.0	
	12.1			11.1	
	12.2			11.2	
	10.7			11.3	
50	10.4		9+00	11.3	
	10.2			11.2	
	10.4			11.2	
	10.4			11.2	
	10.5			10.9	
7+00	10.7		50	10.7	
	10.8			10.6	
	10.2			10.6	

STA. N. 110+50 CONTD WEST 12-3-59

Dist	Sound	Elev	Dist	Sound	Elev
(28)	10.6		(27)	10.8	
	10.6			10.8	
10+00	10.7		50	10.6	
	10.8			10.5	
	10.7		2:45	10.4	
	10.6	0.1	=	10.1	
	10.5			10.0	
50	10.6		13+00	10.0	
	10.6			9.9	
	10.2			9.6	6.9
	10.0			10.1	
	9.8	7.0		11.0	
11+00	9.8	7.0	50	11.2	
	9.8	7.0		11.2	
	9.7	6.9		11.3	
	10.0			11.3	
	10.3			11.4	
50	10.4		14+00	11.4	
	10.6			11.7	
	10.9	0.1		11.7	
	11.0			11.7	
	11.0			11.2	
12+00	10.9		50	11.9	
	10.8			11.7	
	10.9			11.9	

STA. N. 110+50 - WEST

Dist	Sound	Elev	Dist	Sound	Elev
(27)	11.9		(26)	10.8	
	12.1			11.0	
15+00	12.2		50	11.0	
	12.2			10.9	
	12.2			11.0	
	12.1			11.1	
	11.3			11.2	
50	11.1		18+00	11.2	
	10.2		2:50	11.2	
	10.0		=	11.2	
	10.0			10.2	
	10.3	0.1		9.9	0.1
16+00	10.2		50	10.2	
	10.3			10.3	
	10.4			10.2	
	10.4			10.4	
	10.6			10.3	
50	10.4		19+00	10.3	
	10.8			10.3	
	10.9			10.4	
	11.0			10.4	
	10.9			10.5	
17+00	10.9		50	10.6	
	10.9			10.7	
	10.8			11.0	

STA. N.110+50 CONTD-WEST 12-3-59

Dist	Sound	Elev	Dist	Sound	Elev
(23)	10.9		(23)	10.3	
	11.1			10.2	
20+00	11.1		50	10.2	
2	11.4		2155	10.2	
	11.6		—	10.2	OK
	12.1			10.3	
	12.1	OK		10.4	
50	12.2		23+00	10.6	
	12.2				
	12.8				
	12.9				
	12.8				
21+00	8.5	6.0			
	9.2	6.7			
	9.3	6.8			
	9.2	6.7			
	9.4	6.9			
50	9.2	6.7			
	9.6				
	10.1	OK			
	9.7				
	9.3	6.8			
22+00	9.3	6.8			
	8.7	6.2			
	9.8	OK			

12-3-59 (6)

N.110+00:0+00-W16190; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(22)	10.2	8.0
(23)			50	10.2	8.0
				10.1	7.9
3107			3110	10.1	7.9
—			—	10.2	8.0
50	1.0	+1.3		10.3	8.1
	1.0	+1.3	3+00	10.3	8.1
	2.9	0.6		10.2	8.0
	5.0	2.7		10.2	8.0
	5.7	3.4		9.9	7.7
1+00	6.3	4.0		9.9	7.7
	7.2	4.9	50	10.5	8.3
	7.3	5.0		10.9	8.7
	7.4	5.1		11.0	8.8
	8.7	5.5		11.1	8.9
50	9.9	6.6		11.0	8.8
	10.1	7.8	4+00	11.0	8.8
	10.3	8.0		11.1	8.9
	10.2	7.9		11.1	8.9
	10.1	7.8		11.0	8.8
2+00	10.2	7.9		10.9	8.7
	10.2		50	10.5	8.3
	10.2			10.2	8.0
	10.2			10.1	7.9

STA. N. 110+00 CONTD WEST 12-3-59

DIST	Sound	ELEV	DIST	Sound	ELEV
(22)	10.2	8.0	(21)	10.4	8.3
	10.1	7.9		10.4	8.3
5+00	10.3	8.1	50	10.5	8.4
	10.2	8.0	3:15	10.5	8.4
	10.2		≡	10.5	8.4
	10.2			10.6	8.5
	10.2			10.7	8.6
50	10.1	7.9	6+00	10.8	8.7
	10.0	7.8		10.8	8.7
	10.0			10.9	8.8
	10.0			10.9	8.8
	10.0			10.5	8.4
6+00	10.1	7.9	50	10.3	8.2
	10.0	7.8		10.0	7.9
	10.1	7.9		9.9	7.8
	10.4	8.2		9.3	7.2
	10.5	8.3		10.1	8.0
50	10.3	8.1	7+00	10.4	8.3
	10.5	8.3		10.5	8.4
	10.4	8.2		10.7	8.4
	10.3	8.1		10.8	8.7
	10.2	8.0		10.9	8.8
7+00	10.2	8.0	50	10.9	8.8
	10.3	8.1		10.7	8.6
	10.2	8.0		10.6	8.5

STA. N. 110+00 - WEST

DIST	Sound	ELEV	DIST	Sound	ELEV
(21)	10.4	8.3	(20)	10.0	8.0
	10.3	8.2		10.0	
8+00	10.1	8.0	50	10.0	
	10.1	8.0	3:20	10.1	8.1
	10.2	8.1	≡	10.1	
	10.2	8.1		10.1	
	10.2	8.1		10.2	8.2
50	10.3	8.2	11+00	10.1	8.1
	10.2	8.1		10.0	8.0
	10.1	8.0		10.0	8.0
	10.1	8.0		10.0	8.0
	10.0	7.9		9.7	7.7
9+00	9.9	7.7	50	11.0	9.0
	9.9	7.7		11.0	
	9.7	7.6		11.0	
	9.3	7.2		11.0	
	9.0	6.9		11.0	
50	8.6	6.5	12+00	10.9	8.9
	8.5	6.4		10.9	
	9.3	7.2		10.9	
	9.7	7.6		10.8	8.8
	10.0	7.9		10.4	8.4
10+00	10.0	7.9	50	10.3	8.3
	10.0	7.9		10.2	8.2
	10.0	7.9		10.1	8.1

STA. N. 110+00 CONTD WEST 12-3-59

Dist	Sound	Elev	Dist	Sound	Elev
(19)	10.1	8.2	(19)	10.1	8.2
	10.1	8.2		10.1	}
13+00	10.4	8.5	50	10.1	}
	10.7	8.8		10.0	8.1
	11.0	9.1		10.0	8.1
	11.0	}		10.6	8.7
	11.0	}		11.0	9.1
50	11.0	}	16+00	11.1	9.2
	10.9	9.0		11.2	9.3
	10.9	9.0		11.0	9.1
	10.9	9.0		10.8	8.9
	10.8	8.9		10.5	8.6
(14+00	9.5	7.6	50	9.7	7.8
	9.3	7.4		9.5	7.6
	9.6	7.7		9.3	7.4
	9.8	7.8		9.6	7.7
	10.0	8.1		9.4	7.5
50	10.2	8.3	17+00	9.7	7.8
<u>3.25</u>	10.2	8.3		10.1	8.2
	10.3	8.4		10.0	8.1
	10.3	}		10.0	8.1
	10.3	}		10.1	8.2
15+00	10.3	}	50	10.0	8.1
	10.2	8.3		10.4	8.5
	10.1	8.2		10.3	8.4

STA. N. 110+00 - WEST

Dist	Sound	Elev	Dist	Sound	Elev
(18)	10.2	8.4	(18)	9.0	7.2
	10.1	8.3		9.0	7.2
18+00	10.1	}	50	8.8	7.0
	10.1	}		8.7	6.9
	10.3	8.5		8.4	6.6
	10.4	8.6		8.3	6.5
	10.5	8.7		8.8	7.0
50	10.5	8.7	21+00	8.7	6.9
	10.4	8.4		8.9	
3.25	10.5	8.7		9.0	
	10.3	8.5		9.3	
	10.5	8.7		9.5	
19+00	10.7	8.9	50	9.4	
	11.5	9.7		9.7	
	11.5	9.7		9.6	
	11.4	9.6		9.9	
	9.2	7.4		10.0	
50	8.3	6.5	22+00	10.0	
	8.4	6.6			
	8.4	6.6			
	9.0	7.2			
	7.9	6.1			
20+00	8.3	6.5			
	8.7	6.9			
	8.6	6.8			

(see M.B. 97, p. 14)

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STA. N. 109+50; 0+00 = W. 16, 190 ; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(31)	11.1	
(31)	0.5		50	11.1	
	1.0			11.0	
<u>9:45</u>	1.8			11.0	
	2.5			10.8	
50	4.3			10.3	
	5.4		3+00	10.3	
	5.2			10.1	
	7.0			10.1	
	7.6			11.0	
1+00	7.5			11.3	
	7.6		50	11.9	
	7.9			11.9	
	9.5			11.9	
	11.1			11.9	
50	11.1			11.7	
	11.1		4+00	11.5	
	11.1			11.7	
	11.2			11.4	
	11.3			11.3	
2+00	11.3			11.2	
	11.2		50	11.2	
	11.2			11.2	
	11.2			11.2	

STA. N. 109+50 - WEST

(64)

Dist	Sound	Elev	Dist	Sound	Elev
(31)	11.3		(31)	11.0	
	11.2			11.0	
5+00	11.3		50	10.9	
	11.3			10.9	
	11.4			10.9	
	11.3			10.9	
	11.3			10.9	
50	11.1		8+00	10.9	
	11.2			10.7	
<u>9:50</u>	11.1			10.6	
	11.1			10.4	
	11.1			10.5	
6+00	11.1		50	10.5	
	11.7			10.6	
	11.9			10.6	
	11.9			11.2	
	11.6			12.1	
50	11.7		9+00	12.0	
	11.1			12.0	
	11.1			12.0	
	11.1			12.0	
	11.0			12.0	
7+00	11.0		50	11.9	
	11.0			11.8	
	11.0			11.6	

STA. N. 109+50 CONTD WEST 12-7-59

Dist	Sound	Elev	Dist	Sound	Elev
(31)	11.4		(31)	10.7	
	11.3			10.5	
10+00	11.3		50	10.4	K
	11.2		9:50	10.3	0
	11.2			10.3	
	11.2			10.2	
	11.1			10.0	6.9
50	11.1		13+00	10.1	0
	11.1			10.2	0
	11.0			9.9	6.8
	10.8			10.2	
	10.5			11.9	
11+00	10.4	OK	50	11.8	
	10.4			11.9	
	10.4			12.0	
	10.4			12.1	
	10.0			12.1	K
50	10.8		14+00	11.9	0
	10.9			11.5	
	10.9			11.2	
	11.0			11.2	
	11.0			11.1	
12+00	11.0		50	11.4	
	10.8			11.2	
	10.7			11.3	

STA. N. 109+50-WEST

Dist	Sound	Elev	Dist	Sound	Elev
(31)	11.9		(31)	11.6	
	11.9			11.8	
15+00	11.7		50	12.1	
	11.6			12.2	
	11.8			12.4	
	11.8			12.3	
	11.5			12.0	
50	11.4		18+00	11.3	
	11.3		10:00	10.3	
	11.2			10.5	
	10.2			10.8	
	10.3			10.8	
16+00	10.3	OK	50	10.9	OK
	10.7			10.9	
	10.7			11.0	
	10.7			10.6	
	11.1			11.0	
50	11.2		19+00	11.2	
	11.0			11.7	
	11.0			11.5	
	11.1			11.4	
	11.2			11.6	
17+00	11.2		50	11.9	
	11.3			12.0	
	11.7			12.1	

STA. N. 109+50 - WEST 12-7-59

Dist Sound Elev

Dist	Sound	Elev
(3)	12.2	OK
	12.1	
20+00	12.1	
	12.1	
	12.1	
	12.1	
	12.0	
50	12.0	
	11.9	
	12.0	
	12.1	
	12.2	
21+00	12.0	

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(66)

STA. N. 109+00; 0+00 - W/6170; SOUND WEST

Dist Sound Elev Dist Sound Elev

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(3)	12.1	OK
(3)	0.2		50	12.1	
	0.8			12.1	
10/3	1.4			12.1	
	2.3			12.0	
50	3.2			12.0	
	5.1		3+00	12.0	
	6.0			11.8	
	6.9			11.0	
	7.9			10.9	
1+00	8.3			11.0	
	7.9		50	11.1	
	7.9			11.2	
	7.9			11.2	
	11.7			11.3	
50	12.0			11.4	
	12.1		4+00	11.4	
	12.2			11.5	
	12.2			11.5	
	12.3			11.5	
2+00	12.2			11.5	
	12.3		50	11.5	
	12.1			11.5	
	12.2			11.4	

STA. N. 109+00 CONTD. WEST 12-7-59

Dist	Sound	Elev	Dist	Sound	Elev
(3)	11.4		(3)	11.2	
	11.3			11.2	
5+00	11.5		50	11.1	
	11.7			11.1	
	11.8			11.1	
	11.3			11.0	
	11.2			11.1	
50	11.3		8+00	11.1	
	11.4			11.0	
<u>10+20</u>	11.3			11.1	
	11.3			11.1	
	11.3			11.1	
6+00	11.3		50	11.0	
	11.4			11.0	
	11.6			11.0	
	11.9			11.4	
	11.9			12.1	
50	11.9		9+00	12.2	
	12.0			12.3	
	12.0			12.4	
	12.0			12.4	
	11.8			12.4	
7+00	11.5		50	12.3	
	11.4			12.1	
	11.3			12.0	

STA. N. 109+00 - WEST

Dist	Sound	Elev	Dist	Sound	Elev
(3)	11.5		(3)	11.0	
	11.4			10.9	
10+00	11.3		50	11.0	
<u>10+25</u>	11.2			10.9	
	11.3			10.8	
	11.1			10.5	
	11.2			10.3	
50	11.2		13+00	10.3	
	11.2			10.1	
	11.2			10.0	6.9
	11.0			11.4	
	10.9			11.5	
11+00	10.9		50	11.7	
	10.8			12.0	
	10.5			12.1	
	10.3			12.1	
	10.2			12.1	
50	10.5		14+00	12.0	
	10.6			12.0	
	11.0			11.5	
	11.1			11.3	
	11.2			11.0	
12+00	11.2		50	11.0	
	11.2			11.0	
	11.0			11.0	

STA. N. 109+00 CONTD WEST 12-7-59

Dist	Sound	Elev	Dist	Sound	Elev
(3)	11.3		(3)	12.1	
	11.5			12.1	
15+00	11.6		50	12.4	
10.30	11.9			12.6	
	12.0			12.7	
	11.7			12.6	
	11.6			10.9	
50	11.6		18+00	11.0	
	11.7			11.0	
	11.3			11.0	
	10.0	6.9		11.1	
	9.9	6.8		11.0	
16+00	10.0	6.9	50	10.9	
	10.2			10.4	
	10.5			10.3	
	10.5			10.3	
	10.8		10.35	10.4	
50	11.0		19+00	10.3	
	11.2			10.3	
	11.2			10.3	
	11.1			10.5	
	11.3			10.6	
17+00	11.4		50	11.1	
	11.7				
	12.0				

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STA. N. 108+50; 0+00=W16145; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(3)	11.3	
(3)			50	11.7	
				11.3	
10.47	0.9			11.3	
	1.4			11.4	
50	2.1			11.6	
	3.5		3+00	11.6	
	4.1		10.50	11.2	
	5.2			11.2	
	6.4			11.2	
1+00	7.1			11.1	
1+00	7.4		50	10.9	
	8.0			10.8	
	7.8			11.2	
	9.4			11.2	
50	11.2			11.2	
	11.2		4+00	11.7	
	11.2			11.6	
	11.2			11.7	
	11.3			11.5	
2+00	11.3			11.4	
	11.3		50	11.5	
	12.0			11.5	
	11.2			11.5	

STA. N. 108+50 CONTD WEST 12-7-59

Dist	Sound	Elev	Dist	Sound	Elev
(31)	11.7		(31)	11.2	
	11.4			11.2	
5+00	11.2		50	11.2	
	11.1			11.2	
	11.1			11.2	
	11.2			11.2	
	11.5			11.2	
50	11.6		8+00	11.2	
	11.3			11.2	
	11.2			11.2	
	11.2	K		11.1	K
	11.2	D		11.1	D
6+00	11.1		50	10.9	
	11.3			10.6	
	11.3			10.4	
	11.3			10.3	
	11.3			10.3	
50	11.2		9+00	12.0	
	11.2			11.8	
	11.2			11.7	
	11.4			11.7	
	11.5			11.7	
7+00	11.8		50	11.8	
	11.7			11.8	
	11.5			11.8	

STA. N. 108+50 - WEST

(69)

Dist	Sound	Elev	Dist	Sound	Elev
(31)	11.6		(31)	11.3	
	11.3			11.2	
10+00	11.1		50	11.2	
10:55	11.1			11.2	
	11.1			11.2	
	11.1			11.2	
	11.1			11.1	
50	11.0		13+00	11.0	
	11.0			10.8	
	11.1			10.4	
	11.0			10.3	K
	11.2	K		11.2	D
11+00	10.9	D	50	12.8	
	10.8			12.7	
	10.9			12.9	
	10.9			12.9	
	10.6			12.9	
50	10.6		14+00	12.9	
	11.1			12.6	
	11.2			12.2	
	11.2			12.1	
	11.2			12.2	
12+00	11.2		50	11.9	
	11.2			11.5	
	11.2			11.4	

STA. N. 108+50 CONTD WEST 12-7-59

Dist	Sound	Elev.	Dist	Sound	Elev
(31)	11.5	}		11.9	}
	12.1			12.1	
15+00	12.2		50	12.3	
11.00	12.0		} 0	12.6	
	12.0			12.7	
	12.0			13.1	
	11.9			13.4	
50	11.8		18+00	13.2	
	11.7			12.6	
	11.7			12.0	
	11.1		11.9		
	10.0	6.9	11.9	} 0	
16+00	10.0	6.9	50		11.9
	10.1	6.9			12.0
	10.2	}			12.1
	10.3				12.2
	10.6				12.2
50	10.9		19+00		12.2
	10.9	} 0			12.3
	10.9				12.4
	10.9				12.6
	10.9			12.7	
17+00	11.0		50	12.1	
	11.1			12.1	
	11.3			11.3	

STA. N. 108+50-WEST (70)

Dist	Sound	Elev	
(32)	11.1	}	
	11.2		
20+00	11.5		
11.05	11.6		} 0
	12.0		
	12.4		
	12.8		
50	13.2		

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STA. N108+00; 0+00 = W16,120; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(32)	12.0	8.8
(32)			50	12.0	8.8
	0.5	+2.7		12.0	8.8
<u>11.15</u>	1.2	+2.0		12.0	8.8
	2.0	+1.2		11.9	8.7
50	2.9	+0.3		12.0	8.8
	4.0	0.8	3+00	11.9	8.7
	5.2	2.0		11.8	8.6
	5.2	2.0		11.8	8.6
	6.0	2.8		11.5	8.3
1+00	7.1	3.9		11.3	8.1
	7.2	4.0	50	11.3	8.1
	7.4	4.2		11.4	8.2
	7.7	4.5		11.3	8.1
	8.4	5.2		11.2	8.0
50	11.3	8.1		11.3	8.1
	11.7	8.5	4+00	11.5	8.3
	11.9	8.7		11.6	8.4
	11.9	8.7		11.7	8.5
	12.0	8.8		11.6	8.4
2+00	12.0			11.6	8.4
	12.0		50	11.5	8.3
	12.0			11.4	8.2
	12.0			11.5	8.3

STA N108+00 - WEST

(71)

Dist	Sound	Elev	Dist	Sound	Elev
(33)	11.5	8.2	(33)	12.0	8.7
	11.4	8.1		12.0	8.7
5+00	11.4	8.1	50	12.0	8.7
<u>11.20</u>	11.3	8.0		12.0	8.7
	11.4	8.1		11.9	8.6
	11.1	7.8		11.8	8.5
	11.0	7.7		11.8	8.5
50	10.9	7.6	8+00	11.9	8.6
	10.9	7.6		11.9	8.6
	10.8	7.5		11.6	8.3
	10.9	7.6		11.4	8.1
	11.0	7.7		11.3	8.0
6+00	11.2	7.9	50	11.2	7.9
	11.1	7.8		11.1	7.8
	11.2	7.9		11.0	7.7
	11.3	8.0		11.0	7.7
	11.6	8.3		11.0	7.7
50	11.7	8.4	9+00	11.2	7.9
	11.8	8.5		11.5	8.2
	12.0	8.7		11.9	8.6
	12.0			12.1	8.8
	12.0			12.2	8.9
7+00	12.0		50	12.5	9.2
	12.0			12.5	9.2
	12.0			12.3	9.0

STA. N. 108+00 CONTD WEST 12-7-59

Dist	Sound	Elev	Dist	Sound	Elev
(33)	12.1	8.8	(33)	12.1	8.8
	12.0	8.7		12.0	8.7
10+00	11.7	8.4	50	11.9	8.6
<u>11:25</u>	11.7	8.4		11.5	8.2
	11.5	8.2		11.6	8.3
	11.4	8.1		11.5	8.2
	11.3	8.0		11.5	§
50	11.3	8.0	13+00	11.5	§
	11.4	8.1		11.3	8.0
	11.3	8.0		11.1	7.8
	11.3	8.0		11.0	7.7
	11.0	7.7		11.2	7.9
11+00	10.9	7.6	50	12.1	8.8
	10.9	7.6		12.3	9.0
	10.7	7.4		12.7	9.4
	10.3	7.0		13.0	9.7
	10.3	7.0		13.0	9.7
50	10.5	7.2	14+00	13.2	9.9
	11.0	7.7		13.3	10.0
	11.1	7.8		13.3	§
	11.6	8.3		13.3	§
	12.0	8.7		13.1	9.8
12+00	12.1	8.8	50	13.1	9.8
	12.1	§		12.9	9.6
	12.1	§		12.9	9.6

STA. N. 108+00 - WEST

(78)

Dist	Sound	Elev	Dist	Sound	Elev
(33)	12.9	9.6	(33)	11.5	8.2
	12.7	9.4		12.0	8.7
15+00	12.6	9.3	50	12.2	8.9
<u>11:30</u>	12.6	9.3		12.4	9.1
	12.5	9.2		12.6	9.3
	12.9	9.6		13.1	9.8
	13.0	9.7		13.4	10.1
50	13.0	9.7	18+00	13.7	10.4
	12.9	9.6		14.0	10.7
	12.9	9.6		12.1	8.8
	12.0	8.7		12.0	8.7
	10.9	7.6		12.1	8.8
16+00	11.0	7.7	50	12.1	8.8
	11.1	7.8		12.3	9.0
	11.2	7.9		12.3	9.0
	11.3	8.0		12.5	9.2
	11.2	7.9		12.5	§
50	11.1	7.8	19+00	12.5	§
	11.2	7.9		12.5	§
	11.2	7.9		12.7	9.4
	11.3	8.0		12.8	9.5
	11.3	§		13.0	9.7
	11.3	§		13.0	9.7
17+00	11.3	§	50	13.0	9.7
	11.2	7.9		11.1	7.8
	11.4	8.1		11.2	7.9

STA. N. 108+00 CONTD WEST 12-7-59

Dist	Sound	Elev
(31)	11.7	8.3
	11.6	8.2
20+00	11.6	8.2
<u>11:35</u>	11.9	8.5
	12.1	8.7
	12.8	9.4
	12.9	9.5
50	12.9	9.5

(73)

12-7-59

STA. N. 107+50; 0+00 = W. 16,060; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(41)	12.1	
(40)			50	12.1	
			<u>1:25</u>	12.1	
<u>1:22</u>	0.7			12.1	
	1.0			12.2	
50	1.2			12.2	
	1.3		3+00	12.3	
	1.7			12.3	
	2.3			12.4	
	3.1			12.3	
1+00	4.3			12.3	
	5.6		50	12.3	
	6.2			12.3	
	6.9			12.2	
	7.4			12.2	
50	7.7			12.1	
	8.5		4+00	12.1	
	8.0			12.1	
	8.2			11.7	
	8.7			11.3	
2+00	11.3			11.5	
	12.2		50	11.7	
	12.2			12.1	
	12.2			12.1	

STA. N. 107+50 CONTD WEST 12-7-59

Dist	Sound	Elev	Dist	Sound	Elev
(4)	12.1		(4)	12.6	
	12.1			12.8	
5+00	12.2		50	12.4	
	12.3			12.4	
	12.4			12.1	
	12.3		1:30	12.0	
	12.5	0'		12.1	
50	12.4		8+00	12.1	
	12.4			12.0	0'
	12.4			12.1	0'
	12.0			12.0	
	11.9			12.0	
6+00	11.9		50	12.0	
	11.8			12.0	
	11.3			12.0	
	11.1	7.0		12.0	
	10.9	6.8		11.8	
50	10.8	6.7	9+00	11.7	
	10.9	6.8		11.6	
	10.8	6.7		11.3	
	10.3	6.2		11.2	
	12.2			11.1	7.0
7+00	12.4		50	11.9	
	12.6	0'		12.9	0'
	13.0			12.6	0'

STA. N. 107+50 - WEST

(74)

Dist	Sound	Elev	Dist	Sound	Elev
(4)	12.6		(4)	12.1	
	12.8			12.3	
10+00	12.8		50	12.3	
	12.7			12.2	
	12.4			12.1	
	12.5			12.1	
	12.4			12.1	
50	12.2		13+00	12.1	
	12.1			12.1	
	12.2			12.1	
	12.2			12.0	0'
	12.2	0'		12.0	0'
11+00	12.2		50	12.0	
	12.2			12.1	
	12.2			12.1	
	12.1			12.0	
	12.1			13.4	
50	12.1		14+00	13.5	
	11.8			13.6	
	11.7			13.8	
	11.5			13.8	
	11.1			13.9	
12+00	11.1		50	14.1	
	11.3			14.8	
	12.1			15.0	

STA. N. 107+50 CONTD WEST

Dist	Sound	Elev	Dist	Sound	Elev
(41)	15.1		(42)	12.7	
	15.0			12.5	
15+00	15.2		50	12.5	
<u>11.35</u>	15.1			12.6	
	14.9			12.9	
	14.5			13.1	
	14.2			13.3	
50	13.8		18+00	13.6	
	13.4			13.8	
	13.7			14.0	
	13.9			13.9	
	14.0			13.6	
16+00	14.0		50	13.3	
	14.0			12.1	
	14.0			12.7	
	13.4			12.6	
	12.7			12.6	
50	12.9		19+00	12.9	
	12.8			13.1	
	12.7		1.40	13.1	
	12.8		<u> </u>	13.2	
	12.4			13.3	
17+00	12.3		50	13.4	
	12.9			13.4	
	13.0			13.5	

STA. N. 107+50 - WEST

Dist	Sound	Elev
(42)	13.6	
	13.7	
20+00	12.7	
	12.1	
	12.0	
	12.0	
	12.3	
50	12.5	
	12.7	

12-7-59

STA. N. 107+00; 0+00 = W 16.020; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(43)	12.3	8.0
			50	12.5	8.2
(42)				12.5	8.2
<u>11.52</u>				12.5	8.2
	0.5	+3.7		12.6	8.3
50	1.0	+3.2		12.7	8.4
	1.3	+2.9	3+00	12.7	8.4
	2.2	+2.0		12.6	8.3
	2.5	+1.7		12.6	8.3
	2.8	+1.4		12.5	8.2
1+00	3.2	+1.0		12.5	8.2
	4.0	+0.2	50	12.5	8.2
	4.9	0.7		12.5	8.2
	6.2	2.0		12.6	8.3
	7.1	2.9		12.5	8.2
50	7.5	3.3		12.5	8.2
	8.1	3.9	4+00	12.5	8.2
	8.2	4.0		12.5	8.2
	8.2	4.0		12.5	8.2
	8.1	3.9		12.5	8.2
2+00	9.0	4.8		12.4	8.1
	12.1	7.9	50	12.5	8.2
	12.2	8.0		13.0	8.7
	12.3	8.1		13.1	8.8

STA. N. 107+00 - WEST

(76)

Dist	Sound	Elev	Dist	Sound	Elev
(43)	13.1	8.8	(43)	11.9	7.6
	13.1	8.8		11.7	7.4
5+00	13.1	8.8	50	11.6	7.3
	13.1	8.8		13.8	9.5
	13.1	8.8	<u>2:00</u>	14.4	10.1
	13.1	8.8		14.0	9.7
	13.1	8.8		14.0	9.7
50	13.1	8.8	8+00	14.2	9.9
	13.2	8.9		14.3	10.0
	13.2	8.9		14.2	9.9
	13.3	9.0		14.2	9.9
	13.3	9.0		14.3	10.0
6+00	13.3	9.0	50	14.5	10.2
	13.1	8.8		14.5	10.2
	13.0	8.7		14.7	10.4
	12.9	8.6		14.7	10.4
	12.8	8.5		14.4	10.1
50	12.7	8.4	9+00	14.8	10.5
	12.5	8.2		14.7	10.4
	12.4	8.1		14.5	10.2
	12.3	8.0		14.3	10.0
	12.2	7.9		13.2	8.9
7+00	12.2	7.9	50	13.0	8.7
	12.1	7.8		12.3	8.0
	12.0	7.7		12.0	7.7

STA. N. 107+00 CONTD WEST 12-7-59

Dist	Sound	Elev	Dist	Sound	Elev
(4.3)	12.0	7.7	(4.3)	13.0	8.7
	11.9	7.6		13.1	8.8
10+00	12.0	7.7	50	13.1	8.8
	12.2	7.9		13.2	8.9
<u>2:05</u>	12.3	8.0		13.0	8.7
	12.4	8.1		13.0	8.7
	12.5	8.2		12.7	8.4
50	12.5	8.2	13+00	12.5	8.2
	12.4	8.1		12.4	8.1
	12.2	7.9		12.3	8.0
	12.1	7.8		12.4	8.1
	12.0	7.7		12.1	7.8
11+00	12.1	7.8	50	12.3	8.0
	12.0	7.7		12.0	7.7
	12.1	7.8		12.0	7.7
	11.8	7.5		11.9	7.6
	11.8	7.5		11.9	7.6
50	11.6	7.3	14+00	12.0	7.7
	11.5	7.2		12.5	8.2
	11.5	7.2		13.6	7.3
	11.4	7.1		13.6	9.3
	11.5	7.2		14.0	9.7
12+00	11.5	7.2	50	14.0	9.7
	11.5	7.2		14.0	9.7
	12.0	7.7		14.3	10.0

STA. N. 107+00 - WEST

(77)

Dist	Sound	Elev	Dist	Sound	Elev
(4.4)	15.1	10.7	(4.4)	13.1	8.7
	15.2	10.8		13.1	8.7
15+00	15.3	10.9	50	13.3	8.9
<u>2:10</u>	15.3	10.9		13.4	9.0
	15.5	11.1		13.5	9.1
	15.3	10.9		13.8	9.4
	15.3	10.9		13.8	9.4
50	15.0	10.6	18+00	14.0	9.6
	14.5	10.1		13.9	9.5
	13.7	9.3		13.8	9.4
	13.8	9.4		14.5	10.1
	13.9	9.5		14.8	10.4
16+00	13.9	9.5	50	14.7	10.3
	14.0	9.6		14.2	9.8
	14.1	9.7		13.0	8.6
	14.0	9.6		12.9	8.5
	12.9	8.5		13.0	8.6
50	12.9	8.5	19+00	13.2	8.8
	12.3	7.9		13.3	8.9
	12.3	7.9		13.5	9.1
	12.9	8.5		13.7	9.3
	13.0	8.6		13.6	9.2
17+00	13.0	8.6	50	13.7	9.3
	13.1	8.7		13.7	9.3
	13.1	8.7		13.6	9.2

STA. N. 107400 CONTD. WEST 12-7-59

Dist Sound Elev Dist Sound Elev

(4.4) 13.8 9.4

14.0 9.6

20700 13.5 9.1

2:15

(78)

CONTD MB 122

INSTANCES FROM SIDE STAKES AND CROSS-SECTIONING

SECTIONAL AREA

$$\begin{array}{r} 19140 \\ 26 \\ \hline 16540 \end{array}$$

$$\begin{array}{r} 19110 \\ 26 \\ \hline 16510 \end{array}$$

$$\begin{array}{r} 19080 \\ 1 \\ \hline 18680 \end{array}$$

$$\begin{array}{r} 19170 \\ 430 \\ \hline 18740 \end{array}$$

$$\begin{array}{r} 19140 \\ 450 \\ \hline 11690 \end{array}$$