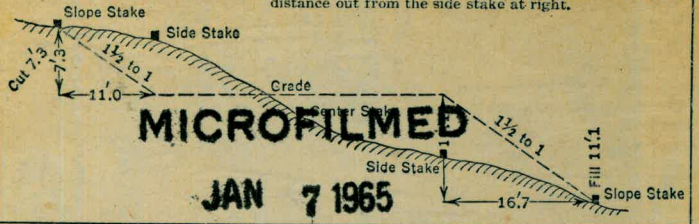
MISSION DIARY

35

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.



Cut or Fill	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	Cut or Fill
	Distance out from Side or Shoulder Stake										
0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	0
1	1.5	1.7	1.8	2.0	2.1	2.3	2 4	2.6	2.7	2.9	1
2	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.4	2
3	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.7	5.9	3
4	6.0	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.4	4
5	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7	8.9	5
6	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.1	10.2	10.4	6
7	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.6	11.7	11.9	7
8	12.0	12.2	12.3	12.5	12.6	12.8	12.9	13.1	13.2	13.4	8
9	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.6	14.7	14.9	9
10	15.0	15.2	15.3	15.5	15.6	15.8	15.9	16.1	16.2	16.4	10
11	16.5	16.7	16.8	17.0	17.1	17.3	17.4	17.6	17.7	17.9	11
12	18.0	18.2	18.3	18.5	18.6	18.8	18.9	19.1	19.2	19.4	12
13	19.5	19.7	19·8	20.0	20.1	20.3	20.4	20.6	20.7	20.9	13
14	21.0	21.2	21.3	21.5	21.6	21.8	21.9	22.1	22.2	22.4	14
15	22.5	22.7	22.8	23.0	23.1	23.3	23.4	23.6	23.7	23.9	15
16	24.0	24.2	24.3	24.5	24.6	24.8	24.9	25.1	25.2	25.4	16
17	25.5	25.7	25.8	26.0	26.1	26.3	26.4	26.6	26.7	26.9	17
18	27.0	27.2	27.3	27.5	27.6	27.8	27.9	28.1	28.2	28.4	18
19	28.5	28.7	28.8	29.0	29.1	29.3	29.4	29.6	29.7	29.9	19
20	30.0	30.2	30.3	30.5	30.6	30.8	30.9	31.1	31.2	31.4	20
21	31.5	31.7	31.8	32.0	32.1	32.3	32.4	32.6	32.7	32.9	21
22	33.0	33.2	33.3	33.5	33.6	33.8	33.9	34.1	34.2	34.4	22
23	34.5	34.7	34.8	35.0	35.1	35.3	35.4	35.6	35.7	35.9	23
24	36.0	36.2	36.3	36.5	36.6	36.8	36.9	37.1	37.2	37.4	24
25	37.5	37.7	37.8	38.0	38.1	38.3	38.4	38.6	38.7	38.9	25
26	39.0	39.2	39.3	39.5	39.6	39.8	39.9	40.1	40.2	40.4	26
27	40.5	40.7	40.8	41.0	41.1	41.3	41.4	41.6	41.7	41.9	27
28	42.0	42.2	42.3	42.5	42.6	42.8	42.9	43.1	43.2	43.4	28
29	43.5	43.7	43.8	44.0	44.1	44.3	44.4	44.6	44.7	44.9	29
30	45.0	45.2	45.3	45.5	45.6	45.8	45.9	46.1	46.2	46.4	30
31	46.5	46.7	46.8	47.0	47.1	47.3	47.4	47.6	47.7	47.9	31
32	48.0	48.2	48.3	48.5	48.6	48.8	48.9	49.1	49.2	49.4	32
33	49.5	49.7	49.8	50.0	50.1	50.3	50.4	50.6	50.7	50.9	33
34	51.0	51.2	51.3	51.5	51.6	51.8	51.9	52.1	52.2	52.4	34
35	52.5	52.7	52.8	53.0	53.1	53.3	53.4	53.6	53.7	53.9	35
36	54.0	54.2	54.3	54.5	54 6	54.8	54.9	55.1	55.2	55.4	36
37	55.5	55.7	55.8	56.0	56.1	56.3	56.4	56.6	56.7	56.9	37
38	57.0	57.2	57.3	57.5	57.6	57.8	57.9	58.1	58.2	58.4	38
39	58.5	58.7	58.8	59.0	59.1	59.3	59.4	59.6	59 7	59.9	39
40	60.0	60.2	60.3	60.5	60.6	60.8	60.9	61.1	61.2	61.4	40

KEUFFEL & ESSER CO., N. Y.

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12,321-4. kh, c, yx. chss.

#35

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ORIGINAL

4-6-48

SOUNDINGS OF PROJECT # 9 SECTION "ABC"

PK

STA- W-175+00

0+00 = STA-W-175+00 "ABC" B/L. SOUND SOUTH AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	2.2	+2.8	1+50	1.9	+3.1
+10	2.2	—		1.9	—
09:40	2.2	—	(5.0)	1.9	—
(5.0)	2.3	+2.7		1.9	—
	2.3	—		1.7	+3.3
50	2.3	—	2+00	1.7	—
	2.1	+2.9		1.7	—
	2.1	—		1.7	—
	2.1	—		1.7	—
	2.1	—	09:43	1.7	—
1+00	2.0	+3.0	50	1.7	—
	2.0	—		1.7	—
	2.0	—		1.6	+3.4
	1.9	+3.1		1.6	—
				1.6	—
1+10	1.9	—	3+00	1.6	—

STA-W-175+00

4-6-48

(1)

PK

DIST	SOUND		DIST	SOUND	
3+10	1.7	+3.3	5+10	13.2	-8.2
	1.7	—		13.1	-8.1
(5.0)	1.7	—	(5.0)	12.5	-7.5
	1.7	—		12.5	—
50	1.6	+3.4	50	12.8	-7.8
	1.6	—		12.9	-7.9
	1.6	—		12.6	-7.6
	1.6	—		12.3	-7.3
	2.7	+2.3		12.1	-7.1
4+00	3.8	+1.2	6+00	12.0	-7.0
—	6.0	-1.0	09:47		
09:45	10.9	-5.9			
	12.3	-7.3			
	12.5	-7.5			
50	12.5	—			
	12.9	-7.9			
	13.2	-8.2			
	13.2	—			
	13.2	—			
5+00	13.2	—			

4-6-48

TX

STA- W-176+00

0+00 = STA- W-176+00

DIST	SOUND
0+00	1.9
+10	1.9
09:53	1.9
	1.9
(4.8)	1.9
50	1.8
	1.8
	1.8
	2.3
	2.0
1+00	1.8
	1.6
	1.5
	1.4
	1.4
50	1.4
	1.4
1+70	1.3

"ABC" B/L.

SOUND
+2.9
—
—
—
—
+3.0
—
—
+2.5
+2.8
+3.0
+3.2
+3.3
+3.4
—
—
—
+3.5

SOUTH AT 30° TO C/L

DIST	SOUND
1+80	1.3
	1.3
2+00	1.4
	1.3
(4.8)	1.2
	1.2
09:57	1.1
50	1.1
	1.1
	1.2
	1.2
	1.1
3+00	1.2
	1.1
	1.1
	1.0
	0.9
3+50	0.9

SOUND
+3.5
—
+3.4
+3.5
+3.6
—
+3.7
—
—
+3.6
—
+3.7
+3.6
+3.7
—
—
+3.8
+3.9
—

4-6-48

(2)

STA- W-176+00

PX

DIST	SOUND
3+60	0.9
	0.8
	0.8
(4.8)	0.8
4+00	0.7
	3.0
10:00	4.1
	6.7
	10.0
50	11.1
	11.1
	11.2
	11.2
	11.3
5+00	11.5
	11.4
	11.1
	11.1
	11.3
5+50	11.5

SOUND
+3.9
+4.0
—
—
+4.1
+1.8
+0.7
- 1.9
- 5.2
- 6.3
—
- 6.4
—
-6.5
-6.7
-6.6
-6.3
—
-6.5
-6.7

DIST	SOUND
5+60	11.8
	11.8
(4.8)	11.6
	11.8
6+00	12.0
10:03	

SOUND
-7.0
—
-6.8
-7.0
-7.2

4-6-18

STA-W-177+00

0+00 = STA-W-177+00 "ABC" B/L: SOUND SOUTH AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	1.4	+3.1	1+80	1.2	+3.3
+10	1.4	—		1.2	—
10:18	1.4	—	2+00	1.2	—
(4.5)	1.4	—	(4.5)	1.3	+3.2
	1.4	—		1.3	—
50	1.4	—		1.3	—
	1.4	—		1.5	+3.0
	1.4	—	5:0	1.5	—
	1.4	—		1.6	+2.9
	1.4	—		1.6	—
1+00	1.4	—	10:20	1.6	—
	1.4	—		1.6	—
	1.4	—	3+00	1.6	—
	1.3	+3.2		1.5	+3.0
	1.2	+3.3		1.5	—
50	1.1	+3.4		1.5	—
	1.1	—		2.0	+2.5
1+70	1.2	+3.3	3+50	2.9	+1.6

DIST	SOUND		DIST	SOUND	
3+60	2.2	+1.6	5+60	11.1	-6.6
	2.4	+2.1		11.0	-6.5
	2.1	+2.4		11.0	—
(4.5)	2.2	+2.3	(4.5)	11.0	—
4+00	3.0	+1.5	6+00	10.8	-6.3
	3.5	+1.0		10.5	-6.0
	5.1	-0.6		10.9	-6.4
	9.4	-4.9		10.7	-6.2
	10.8	-6.3		10.7	—
50	10.8	—	50	10.8	-6.3
	10.9	-6.4		11.0	-6.5
	11.2	-6.7		11.1	-6.6
	11.4	-6.9		11.1	—
	11.5	-7.0		11.3	-6.8
5+00	11.5	—	7+00	11.3	—
	12.0	-7.5	10:25		
	12.0	—			
	11.8	-7.3			
	12.0	-7.5			
5+50	11.4	-6.9			

4-6-48

PX

STA-W-178+00

0+00 = STA-W-178+00 "ABC" B/L; SOUND SOUTH AT 90° TO B/L

DIST	SOUND		DIST	SOUND	
0+00	2.0	+2.4	1+80	2.8	+1.6
+10	1.9	+2.5		2.8	—
10:33	2.3	+2.1	2+00	2.9	+1.5
(4.4)	2.4	+2.0	(4.4)	2.9	—
	2.5	+1.9		2.9	—
50	2.5	—		2.9	—
	2.5	—		3.0	+1.4
	2.6	+1.8	50	2.9	+1.5
	2.7	+1.7		2.7	+1.7
	2.7	—		2.7	—
1+00	2.7	—		2.6	+1.8
	2.8	+1.6		2.6	—
	2.8	—	3+00	2.5	+1.9
	2.8	—		2.5	—
	2.9	+1.5		2.5	—
50	2.9	—		2.4	+2.0
	2.8	+1.6		2.2	+2.2
1+70	2.8	—	3+50	2.1	+2.3

STA-W-178+00

4-6-48

(4)

DIST	SOUND		DIST	SOUND	
3+60	1.9	+2.5	5+60	12.0	-7.6
	1.8	+2.6		12.3	-7.9
10:35	1.8	—	(4.4)	12.1	-7.7
	1.8	—		12.3	-7.9
4+00	1.9	+2.5	6+00	12.3	—
(4.4)	2.6	+1.8	10:38		
	3.4	+1.0			
	4.7	-0.3			
	9.8	-5.4			
50	10.0	-5.6			
	10.4	-6.0			
	10.3	-5.9			
	10.5	-6.1			
	10.8	-6.4			
5+00	11.2	-6.8			
	11.2	—			
	11.0	-6.6			
	11.3	-6.9			
	11.3	—			
5+50	11.3	—			

4-6-48

PX

STA-W-179+00

0+00 = STA-W-179+00 "ABC" B/L: SOUND SOUTH AT 90° TO B/L

DIST	SOUND		DIST	SOUND	
0+00	1.3	+3.0	1+80	1.3	+3.0
+10	1.3	—		1.3	—
	1.2	+3.1	2+00	1.3	—
(4.3)	1.3	+3.0	(4.3)	1.3	—
	1.3	—		1.3	—
50	1.3	—		1.2	+3.1
	1.3	—		1.2	—
	1.3	—	50	1.1	+3.2
	1.4	+2.9		1.1	—
	1.4	—		1.1	—
1+00	1.4	—		1.1	—
	1.4	—		1.1	—
	1.4	—	3+00	1.1	—
	1.2	+3.1		1.1	—
10:47	1.2	—		1.1	—
50	1.3	+3.0		1.0	+3.3
	1.3	—		1.0	—
1+70	1.3	—	3+50	1.0	—

STA-W-179+00

4-6-48

(5)

DIST	SOUND		DIST	SOUND	
3+60	1.0	+3.3	5+60	11.0	-6.7
	1.0	—		11.0	—
	1.0	—	(4.3)	11.0	—
(4.3)	1.0	—		11.0	—
4+00	1.0	—	6+00	11.0	—
	2.1	+2.2	10:53		
	2.9	+1.4			
10:50	3.5 / ~~2.9~~ 3.5	+0.8			
	7.1	-2.8			
50	10.0	-5.7			
	10.5	-6.2			
	10.8	-6.5			
	10.8	—			
	11.2	-6.9			
5+00	11.2	—			
	11.3	-7.0			
	11.3	—			
	10.9	-6.6			
	11.3	-7.0			
5+50	11.0	-6.7			

ORIGINAL

4-6-48

SOUNDINGS OF PROJECT #9 SECTION "CDE"

STA - N-110+00

0+00=STA- N110+00 "CDE" B/L: SOUND WEST AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	2.0	+2.0	1+70	2.0	+2.0
+10	2.0	—		2.0	—
11:09	2.0	—	(4.0)	2.0	—
(4.0)	2.0	—	2+00	2.0	—
	2.0	—		2.0	—
50	2.0	—	11:12	2.0	—
	2.0	—		2.0	—
	2.0	—		2.0	—
	2.0	—	50	2.0	—
	2.0	—		2.0	—
1+00	2.0	—		2.0	—
	2.0	—		2.0	—
	2.0	—		2.0	—
	2.0	—	3+00	2.0	—
	2.0	—		2.0	—
50	2.0	—		1.9	+2.1
1+60	2.0	—	3+30	1.9	—

STA - N-110+00

4-6-48

(6)

DIST	SOUND		DIST	SOUND	
3+40	1.9	+2.1	5+40	2.0	+1.9
50	1.9	—	50	2.0	—
	1.9	—		2.0	—
	1.9	—	(3.9)	2.0	—
(4.0)	1.8	+2.2		2.0	—
	1.8	—		1.9	+2.0
4+00	1.8	—	6+00	1.9	—
	1.8	—		1.9	—
	1.8	—		1.9	—
	1.8	—		1.9	—
	1.9	+2.1		1.9	—
50	1.9	—	50	1.9	—
(4.0)	1.9	—		1.9	—
11:15	1.9	—		1.9	—
(3.9)	1.9	+2.0		1.9	—
	1.8	+2.1		1.9	—
5+00	1.8	—	7+00	1.9	—
	1.8	—		1.9	—
	1.9	+2.0		1.9	—
5+30	1.9	—	7+30	1.9	—

STA - N-110+00 — 9-6-48

DIST	SOUND		DIST	SOUND	
7+10	1.9	+2.0	9+40	11.9	-8.0
50	1.9	—	50	12.0	-8.1
	1.9	—		12.3	-8.4
(3.9)	1.9	—	(3.9)	12.6	-8.7
	1.9	—		12.6	—
	1.9	—		13.2	-9.3
8+00	1.9	—	10+00	13.4	-9.5
	1.9	—	11:26		
	1.9	—			
	2.0	+1.9			
	2.7	+1.2			
50	2.7 5.0	—			
	5.0	-1.1			
	9.5	-5.6			
	11.6	-7.7			
	11.8	-7.9			
9+00	11.8	—			
	11.7	-7.8			
	11.8	-7.9			
9+30	11.9	-8.0			

2 PAGES NUMBERED 7

9-6-48 — ⑦

STA - N-111+00

0+00 = STA - N-111+00 "CDE" B/L: SOUND WEST AT 30° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	1.9	+1.8	1+80	2.0	+1.7
+10	1.9	—		2.0	—
11:28.	1.9	—	2+00	2.0	—
(3.7)	1.9	—	(3.7)	2.0	—
	1.9	—		2.0	—
50	1.9	—		2.0	—
	1.9	—		2.0	—
	1.9	—	50	1.9	+1.8
	1.9	—		1.9	—
	1.9	—		1.9	—
1+00	1.9	—		1.9	—
	1.9	—		1.9	—
	1.9	—	3+00	1.9	—
	1.9	—		1.9	—
	1.9	—		1.9	—
50	1.9	—		1.9	—
	1.9	—		1.8	+1.9
1+70	2.0	+1.7	14:32 3+50	1.8	—

STA- N-111+00 — 9-6-98

DIST	SOUND		DIST	SOUND	
3+60	1.7	+2.0	5+60	1.7	+2.0
	1.7	—		1.7	—
(3.7)	1.7	—	(3.7)	1.7	—
	1.7	—		1.7	—
4+00	1.7	—	6+00	1.7	—
	1.7	—		1.7	—
	1.8	+ 1.9		1.7	—
	1.8	—		1.7	—
	1.8	—		1.7	—
50	1.8	—	50	1.7	—
	1.8	—		1.7	—
	1.8	—		1.7	—
	1.7	+2.0		1.7	—
	1.7	—		1.7	—
5+00	1.7	—	7+00	1.7	—
	1.7	—		1.7	—
	1.7	—		1.7	—
	1.7	—		1.7	—
	1.7	—	11:35	1.6	+2.1
5+50	1.7	—	7+50	1.6	—

STA- N-110+00 — 9-6-98 — (7)

DIST	SOUND		DIST	SOUND	
7+60	1.6	+2.1	9+60	12.0	-8.3
	1.6	—		12.5	-8.8
(3.7)	1.6	—	(3.7)	12.9	-9.2
	1.6	—		13.4	-9.7
8+00	1.6	—	10+00	13.5	-9.8
	1.6	—	11:43		
	1.6	—			
	1.6	—			
	1.7	+2.0			
50	2.4	+1.3			
	3.6	+0.1			
	8.1	-4.4			
	10.8	-7.1			
	11.3	-7.6			
9+00	11.3	—			
	11.2	-7.5			
	11.1	-7.4			
	11.2	-7.5			
	11.4	-7.7			
9+50	11.5	-7.8			

2 PAGES NUMBERED 7

PX

STA - N-120+00

4-6-48

0+00 = STA - N-120+00 "CDE" B/L: SOUND WEST AT 90° TO B/L

DIST	SOUND		DIST	SOUND	
0+00	2.4	+0.3	1+80	2.1	+0.6
+10	2.4	—		2.2	+0.5
12:50	2.4	—	2+00	2.2	—
(2.7)	2.4	—	(2.7)	2.3	+0.4
	2.3	+0.4		2.3	—
50	2.3	—		2.3	—
	2.3	—		2.5	+0.2
	2.2	+0.5	50	2.5	—
	2.1	+0.6	12:53	2.5	—
	2.1	—		2.5	—
1+00	2.0	+0.7		2.5	—
	2.1	+0.6		2.5	—
	2.1	—	3+00	2.5	—
	2.1	—		2.5	—
	2.1	—		2.5	—
50	2.1	—		2.6	+0.1
	2.1	—		2.6	—
1+70	2.1	—	3+50	2.5	+0.2

STA - N-120+00

4-6-48

PX (8)

DIST	SOUND		DIST	SOUND	
3+60	2.5	+0.2	5+60	2.6	+0.1
	2.5	—		2.6	—
	2.5	—	(2.7)	2.6	—
(2.7)	2.4	+0.3	12:57	2.6	—
4+00	2.4	—	6+00	2.6	—
	2.5	+0.2		2.5	+0.2
12:55	2.5	—		2.5	—
	2.5	—		2.5	—
	2.5	—		2.5	—
50	2.5	—	50	2.4	+0.3
	2.5	—		2.4	—
	2.5	—		2.3	+0.4
	2.5	—		2.3	—
	2.5	—		2.3	—
5+00	2.5	—	7+00	2.3	—
	2.5	—		2.1	+0.6
	2.5	—		2.1	—
	2.7	0.0		2.1	—
	2.6	+0.1		2.1	—
5+50	2.6	—	7+50	2.4	—

STA - N-120+00 — 4-6-48

DIST	SOUND		DIST	SOUND	
7+60	2.1	+0.6	9+60	2.0	+0.6
	2.1	—		2.0	—
(2.7)	2.0	+0.7	(2.6)	2.1	+0.5
	2.0	—		2.1	—
8+00	2.0	—	10+00	2.1	—
	2.0	—		2.2	+0.4
	2.0	—		2.4	+0.2
	2.0	—		2.4	—
	2.0	—		2.4	—
50	2.0	—	50	2.4	—
(2.7)	2.0	—		2.5	+0.1
13:00	2.0	—		2.6	0.0
(2.6)	2.0	+0.6		2.6	—
	2.0	—		3.1	-0.8
9+00	2.0	—	11+00	7.5	-4.9
	2.0	—		9.8	-7.2
	1.9	+0.7		10.0	-7.4
	1.9	—		10.1	-7.5
	1.9	—	13:03	10.1	—
9+50	1.9	—	11+50	10.0	-7.4

STA - N-120+00 — 4-6-48 — (3)

DIST	SOUND		DIST	SOUND
11+60	10.0	-7.4		
	9.8	-7.2		
(2.6)	9.9	-7.3		
	10.0	-7.4		
12+00	9.8	-7.2		
	9.7	-7.1		
	9.5	-6.9		
	9.3	-6.7		
	7.7	-5.1		
50	5.0	-2.4		
	5.0	—		
	4.7	-2.1		
12+80	4.0	-1.4		
13:05				

PX

STA-N-119+00

7-6-78

0+00 = STA-N-120+00 "CDE" B/L; SOUND WEST AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	1.9	+0.5	1+80	1.8	+0.6
+10	1.9	—		1.9	+0.5
13:13	1.8	+0.6	2+00	1.9	—
	1.8	—	13:15	1.9	—
(2.4)	1.8	—	(2.4)	1.9	—
50	1.8	—		1.9	—
	1.8	—		1.9	—
	1.8	—	50	2.0	+0.4
	1.8	—		2.0	—
	1.8	—		2.0	—
1+00	1.7	+0.7		2.1	+0.3
	1.7	—		2.1	—
	1.7	—	3+00	2.1	—
	1.7	—		2.2	+0.2
	1.7	—		2.2	—
50	1.8	+0.6		2.2	—
	1.8	—		2.2	—
1+90	1.8	—	3+50	2.2	—

STA-N-119+00

7-6-78

(10)

PX

DIST	SOUND		DIST	SOUND	
3+60	2.3	+0.1	5+60	2.3	+0.1
	2.3	—		2.1	+0.3
(2.4)	2.3	—	(2.4)	2.1	—
	2.3	—		2.1	—
4+00	2.3	—	6+00	2.1	—
	2.3	—		2.1	—
	2.3	—		2.1	—
	2.3	—		2.1	—
	2.3	—		2.1	—
	2.3	—		2.0	+0.4
50	2.3	—	(2.4) 50	2.1	+0.3
	2.3	—	13:20	2.0	+0.4
	2.3	—	(2.3)	2.1	+0.2
	2.2	+0.2		2.1	—
	2.2	—		2.0	+0.3
5+00	2.2	—	7+00	2.0	—
	2.2	—		2.0	—
13:18	2.2	—		2.0	—
	2.2	—		2.0	—
	2.3	+0.1		2.0	—
5+50	2.2	+0.2	7+50	1.9	+0.4

STA-119+00

DIST	SOUND		DIST	SOUND	
7+60	1.9	+0.4	9+60	1.7	+0.6
	1.8	+0.5		1.7	—
(2.3)	1.8	—	(2.3)	1.7	—
	1.8	—		1.8	+0.5
8+00	1.8	—	10+00	1.8	—
	1.7	+0.6		1.9	+0.4
	1.7	—		1.9	—
	1.7	—		1.9	—
	1.7	—		1.9	—
50	1.7	—	50	2.1	+0.2
	1.7	—		3.0	-0.7
	1.7	—		6.9	-4.6
	1.7	—		9.0	-6.7
	1.7	—	13:25	9.4	-7.1
9+00	1.7	—	11+00	9.7	-7.4
	1.7	—		10.0	-7.7
	1.7	—		10.0	—
	1.7	—	50	10.0	—
13:23	1.7	—		9.8	-7.5
	1.7	—		9.7	-7.4
	1.7	—	12+00	9.6	-7.3
9+50	1.7	—		9.6	—
				9.7	-7.4
				9.7	—
				7.0	-4.7
				6.7	-4.4
				4.0	-1.7

STA-N-118+00

0+00 = STA-N-118+00 "CDE" B/L: SOUND WEST AT 90° T. B/L.

DIST	SOUND		DIST	SOUND	
0+00	1.2	+1.0	1+80	1.4	+0.8
+10	1.2	—		1.5	+0.7
13:35	1.2	—	2+00	1.6	+0.6
(2.2)	1.2	—	(2.2)	1.6	—
	1.2	—		1.6	—
50	1.2	—		1.6	—
	1.2	—		1.7	+0.5
	1.2	—	50	1.7	—
	1.2	—		1.8	+0.4
	1.2	—		1.8	—
1+00	1.2	—		1.8	—
	1.2	—		1.8	—
	1.2	—	3+00	1.9	+0.3
	1.3	+0.9	13:38	1.9	—
	1.3	—		1.9	—
50	1.3	—		1.9	—
	1.3	—		1.9	—
1+70	1.4	+0.8	3+50	1.9	—

STA - N-118+00 — 4-6-48

DIST	SOUND		DIST	SOUND	
3+60	1.9	+0.3	5+60	1.8	+0.3
	1.9	—		1.7	+0.4
(2.2)	1.9	—	(2.1)	1.7	—
	1.9	—		1.7	—
4+00	1.9	—	6+00	1.7	—
	1.9	—		1.7	—
	1.8	+0.4		1.6	+0.5
	1.8	—		1.6	—
	1.9	+0.3		1.6	—
50	1.9	—	50	1.6	—
	1.8	+0.4		1.6	—
(2.2)	1.8	—		1.6	—
13:40	1.8	—		1.6	—
(2.1)	1.9	+0.2		1.5	+0.6
5+00	1.9	—	7+00	1.5	—
	1.9	—		1.4	+0.7
	1.9	—		1.4	—
	1.9	—		1.4	—
	1.9	—		1.4	—
5+50	1.8	+0.3	7+50	1.3	+0.8

STA - N-118+00 — 4-6-48 — (12)

DIST	SOUND		DIST	SOUND	
7+60	1.3	+0.8	9+60	1.2	+0.9
13:43	1.3	—	13:45	1.3	+0.8
	1.3	—		1.4	+0.7
(2.1)	1.2	+0.9	(2.1)	1.4	—
8+00	1.2	—	10+00	1.6	+0.5
	1.2	—		1.8	+0.3
	1.2	—		1.8	—
	1.1	+1.0		1.9	+0.2
	1.1	—		4.0	−1.9
50	1.1	—	50	6.7	−4.6
	1.1	—		8.5	−6.4
	1.1	—		9.0	−6.9
	1.1	—		9.0	—
	1.0	+1.1		9.0	—
9+00	1.1	+1.0	11+00	9.4	−7.3
	1.1	—		9.1	−7.0
	1.1	—		9.1	—
	1.1	—		9.1	—
	1.1	—	50	9.1	—
	1.1	—		9.2	−7.1
	1.1	—		9.0	−6.9
	1.1	—		9.0	
	1.1	—		7.8	−5.7
	1.1	—		7.0	−4.9
9+50	1.1	—	12+00	6.8	−4.7
			13:50	6.4	−4.3

ORIGINAL 7-8-47

SOUNDINGS OF PROJECT #9 SECTION "ABC"

PX

STA-W-185+00

0+00=STA-W-185+00 "ABC" B/L.: SOUND SOUTH AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	1.4	+3.0	1+70	5.4	-1.0
+10	1.4	-		7.2	-2.8
09:16	1.4	-		9.3	-5.9
(4.4)	1.4	-	2+00	10.7	-6.3
	1.4	-	(4.4)	11.7	-7.3
50	1.4	-	09:20	11.9	-7.5
	1.4	-	(4.5)	12.5	-8.0
	1.5	+2.9		12.3	-7.8
	1.5	-	50	12.5	-8.0
	1.6	+2.8		13.2	-8.7
1+00	1.9	+3.1		12.7	-8.2
	2.3	+2.1		13.0	-8.5
	2.6	+1.8		13.0	-8.5
	2.9	+2.1	3+00	13.2	-8.7
	3.2	+1.7	10 20	13.0	-8.5
1+50	3.5	+0.9	20	13.0	-
			30	13.0	
1+60	4.2	+0.2	09:23 40	12.9	-8.4
			3+50	12.7	-8.2

STA-W-184+00 7-8-48 (13)

PX

0+00=STA-W-185+00 "ABC" B/L.: SOUND SOUTH AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	1.8	+2.7	1+90	1.8	-
+10	1.8	-	2+00	1.8	-
09:31	1.8	-		1.8	-
(4.5)	1.8	-	(4.5)	1.9	+2.8
	1.8	-		1.9	-
50	1.8	-		1.9	-
	1.9	-	50	1.9	-
	1.8	-		2.1	+2.4
	1.8	-		2.3	+2.2
	1.8	-		2.4	+2.1
1+00	1.8	-		2.8	+1.7
	1.8	-	3+00	3.4	+2.1
	1.8	-		5.5	-1.0
08:33	1.8	-		8.5	-4.0
	1.8	-		11.4	-6.9
50	1.8	-		11.5	-7.0
	1.8	-	50	12.0	-7.5
	1.8	-		12.0	-7.5
1+80	1.8	-	3+70	11.9	-7.8

STA-W-184+00 — 7-8-18

DIST	SOUND		DIST	SOUND
3+80	11.9	-7.4		
	11.9	-7.4		
4+00	11.9	-7.4		
(4.5)	12.0	-7.5		
	12.2	-7.7		
	12.5	-8.0		
	12.7	-8.2		
50	13.0	-8.5		
	13.1	-8.6		
	13.3	-8.8		
	13.0	-8.5		
	13.5	-9.0		
5+00	12.3	-8.8		
09:37				

7-8-18 (19)

STA-W-183+00

0+00 = STA-W-183+00 "ABC" B/L: SOUND SOUTH AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	1.8	+2.8	1+80	1.8	—
+10	1.8	—		1.8	—
09:43	1.8	—	2+00	1.8	—
(4.6)	1.8	—	(4.6)	1.8	—
	1.8	—		1.8	—
50	1.8	—		1.8	—
	1.7	+2.9		1.8	—
	1.7	—	50	1.8	—
	2.2	+2.4		1.8	—
	1.8	+2.8		1.9	+2.7
1+00	1.7	+2.9		1.9	—
	1.7	+2.9		1.9	—
	1.7	+2.9	3+00	1.9	—
09:45	1.8	+2.8		1.9	—
	1.8	—		1.9	—
50	1.8	—		1.9	—
	1.8	—		1.9	—
1+70	1.8	—	3+50	2.5	+2.1

STA-W-183+00 1-8-18

DIST	SOUND	
3+60	3.0	+1.6
	3.6	+1.0
(4.6)	5.0	-0.4
	9.8	-5.2
4+00	12.0	-7.4
	12.1	-7.5
09:48	12.0	-7.4
	11.9	-7.3
	11.7	-7.1
50	12.0	-7.4
	12.0	-7.4
	11.9	-7.3
	12.0	-7.4
	12.0	-
5+00	12.0	
	12.0	-
	12.0	-
	12.0	-
	12.0	-
5+50	12.1	-7.5

STA-W-182+00 1-8-18 (5)

0+00=STA-W-183+00 "ABC" B/L: SOUND SOUTH AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	1.8	+2.9	1+90	1.8	+2.9
+10	1.8	-	2+00	1.8	-
09:58	1.8	-		1.8	-
(4.7)	1.8	-	(4.7)	1.8	-
	1.8	-		1.8	-
50	1.8	-		1.8	-
	1.8	-	50	1.8	-
	1.9	+2.8		1.8	-
	1.8	+2.9		1.8	-
	1.8	-		1.8	-
1+00	1.8	-		1.8	-
	1.8	-	3+00	1.8	-
	1.8	-		1.9	+2.8
	1.8	-		1.9	-
	1.8	-		1.9	-
50	1.8	-		1.9	-
10:00	1.8	-	50	1.9	-
	1.8	-		2.0	+2.7
1+80	1.8	-	3+70	2.5	+2.2

1-8-18

STA-W-182+00

DIST	SOUND		DIST	SOUND
3+80	3.5	+1.2		
	4.4	+0.3		
4+00	9.0	-4.3		
(4.7)	12.0	-7.3		
	12.2	-7.5		
	12.0	-7.3		
10:03	11.8	-7.1		
50	11.8	-7.1		
	11.2	-6.5		
	11.6	-6.9		
	11.7	-7.0		
	12.0	-7.3		
5+00	12.2	-7.5		
	12.4	-7.7		
	12.5	-7.8		
	12.3	-7.6		
	12.1	-7.4		
50	12.2	-7.5		
10:04				

1-8-18

(16)

STA-W-181+00

0+00 = STA-W-181+00 "ABC" B/L: SOUND SOUTH AT 90° T.O.L.

DIST	SOUND		DIST	SOUND	
0+00	2.1	+2.7	1+80	1.8	+3.0
+10	~~2.1~~ 2.1	+2.7		1.8	–
10:10	2.1	+2.7	2+00	1.8	–
(4.8)	2.0	+2.8	(4.8)	1.7	+3.1
	2.0	+2.8		1.7	–
50	1.9	+2.9		1.7	–
	1.9	–		1.7	–
	1.9	–	50	1.7	–
	1.9	–		1.7	–
	1.9	–		1.7	–
1+00	1.9	–		1.7	–
	1.8	+3.0		1.8	+3.0
	1.8	–	3+00	1.9	+2.9
	1.8	–		1.9	–
	1.8	–		1.9	–
50	1.8	–		1.9	–
	1.8	–		1.9	–
1+70	1.8	–	3+50	1.9	–

1-8-98

STA-W-181+00

DIST	SOUND		DIST	SOUND	
3+60	1.9	+2.9	5+60	11.8	-7.0
RX 7.0	1.9	-		11.8	-7.0
	1.9	-	(4.8)	11.8	-7.0
10:13	2.9	+1.9		12.0	-7.2
4+00	3.6	+1.2	6+00	12.0	-7.2
(4.8)	4.0	+0.8	10:15		
	5.1	-0.3			
	8.5	-3.7			
	10.2	-5.4			
50	11.5	-6.7			
	12.0	-7.2			
	11.7	-6.9			
	11.8	-7.0			
	12.0	-7.2			
5+00	12.0	-7.2			
	12.2	-7.4			
	12.2	-7.4			
	12.0	-7.2			
	11.8	-7.0			
5+50	11.8	-7.0			

1-8-98

(17)

RX STA-W-180+00

0+00 = STA-W-180+00 "ABC" B/L: SOUND SOUTH AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	2.1	+2.7	1+80	1.9	+2.9
+10	2.1	+2.7		1.9	-
10:21	2.1	-	2+00	1.9	-
(4.8)	2.1	-	(4.8)	1.9	-
	2.1	-		1.8	+3.0
50	2.1	-		1.8	-
	2.1	-		1.8	-
	2.0	+2.8	50	1.8	-
	2.0	-	10:23	1.8	-
	2.0	-		1.8	-
1+00	2.0	-		1.8	-
	2.0	-		1.7	+3.1
	2.0	-	3+00	1.7	+3.1
	2.0	-		1.7	+3.1
	2.0	-		1.6	+3.2
50	2.0	-		1.6	+3.2
	1.9	+2.9		1.5	+3.3
1+70	1.9		3+50	1.5	+3.3

W- 180+00 4-8-48

DIST	SOUND		DIST	SOUND	
3+60	1.4	+3.4	5+60	12.3	-7.5
PX	1.4	-		12.3	-7.5
	1.4	-		12.3	-7.5
(4.8)	1.4	-	(4.8)	12.3	-7.5
4+00	1.2	+3.6	6+00	12.0	-7.2
	1.1	+3.7		12.0	-7.2
	3.2	+1.6		12.3	-7.5
	4.4	+0.4		13.0	-8.2
	7.5	-2.7		12.7	-7.9
50	10.8	-6.0	50	12.6	-7.8
10:25	11.0	-6.2	10:28		
	11.3	-6.5			
	11.5	-6.7			
	12.1	-7.3			
5+00	12.3	-7.5			
	12.3	-7.5			
	12.5	-7.7			
	12.0	-7.2			
	12.0	-7.2			
5+50	12.0	-7.2			

ORIGINAL 4-8-48 (18)

SOUNDINGS OF PROJECT #9 SECTION "CDE"

PX STA-N-112+00

0+00=STA-N-112+00 "CDE" B/L: SOUND WEST AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	3.0	+1.8	1+70	3.2	+1.6
+10	3.0	+1.8		3.2	-
10:38	3.1	+1.7	(4.8)	3.2	-
(4.8)	3.1	-	2+00	3.2	-
	3.1	-		3.2	-
50	3.1	-		3.2	-
	3.1	-		3.3	+1.5
	3.1	-		3.3	-
	3.1	-	50	3.3	-
	3.1	-		3.3	-
1+00	3.1	-		3.2	+1.6
	3.1	-		3.2	-
	3.1	-		3.2	-
	3.1	-	3+00	3.2	-
10:40	3.2	+1.6		3.2	-
50	3.2	-		3.2	-
1+60	3.2	-	3+30	3.2	-

STA - N-112+00 — 4-8-98

DIST	SOUND		DIST	SOUND	
3+40	3.3	+1.5	5+40	3.0	+1.8
PK 50	3.3	-	50	3.0	-
	3.3	-		3.0	-
(4.8)	3.3	-	(4.8)	2.9	+1.9
	3.3	-		2.9	-
	3.3	-	10:45	2.9	-
4+00	3.3	-	6+00	2.9	-
10:43	3.3	-		2.9	-
	3.2	+1.6		3.0	+1.8
	3.2	-		3.0	-
	3.2	-		3.0	-
50	3.1	+1.7	50	3.0	-
	3.1	-		3.0	-
	3.1	-		3.0	-
	3.1	-		3.0	-
	3.0	+1.8		3.0	-
5+00	3.0	-	7+00	3.0	-
	3.0	-		2.9	+1.9
	3.0	-		2.9	-
5+30	3.0	-	7+30	2.9	-

STA - N-112+00 — 4-8-98 — (19)

DIST	SOUND		DIST	SOUND	
7+40	2.9	+1.9	9+40	13.5	-8.7
PK 50	2.9	-	50	13.7	-8.9
	2.9	-		14.0	-9.2
(4.8)	2.9	-	(4.8)	14.3	-9.5
	2.9	-		14.3	-9.5
	2.9	-		14.0	-9.2
8+00	2.9	-	10+00	14.5	-9.7
	2.9	-		14.3	-9.5
	2.9	-		14.0	-9.2
	2.9	-		14.2	-9.4
	3.0	+1.8		14.2	-9.4
50	3.0	-	10+50	14.2	-9.4
10:48	3.0	-		14.3	-9.5
	3.2	+1.6		13.4	-8.6
	4.0	+0.8		12.0	-7.2
	7.6	-2.8		12.0	-7.2
9+00	11.5 ~~7.5~~	-6.7	11+00	10.8	-6.0
	13.0	-8.2		8.4	-3.6
	13.1	-8.3		6.5	-1.7
				5.3	-0.5
9+30	13.1	-8.3		3.8	+1.0
			11+50	3.0	+1.8

4-8-98

PX

STA-N-113+00

0+00 = STA-113+00 "CDE" B/L: SOUND WEST AT 90° TO B/L

DIST	SOUND		DIST	SOUND	
0+00	3.2	+1.5	1+80	3.2	+1.5
+10	3.2	+1.5		3.2	-
11:00	3.2	-	2+00	3.2	-
(4.7)	3.2	-	(4.7)	3.2	-
	3.1	+1.6	11:03	3.2	-
50	3.1	-		3.2	-
	3.1	-		3.2	-
	3.1	-	50	3.2	-
	3.2	+1.5		3.2	-
	3.2	-		3.2	-
1+00	3.2	-		3.3	+1.4
	3.2	-		3.3	-
	3.2	-	3+00	3.3	-
	3.2	-		3.4	+1.3
	3.2	-		3.3	+1.4
	3.2	-		3.4	+1.3
50	3.2	-		3.4	+1.3
	3.2	-		3.4	+1.3
1+70	3.2	-	3+50	3.4	+1.3

PA

STA-N-113+00

4-8-98

(20)

DIST	SOUND		DIST	SOUND	
3+60	3.4	+1.3	5+60	3.0	+1.7
	3.4	-		3.0	-
(4.7)	3.4	-	(4.7)	3.0	-
11:05	3.4	-		3.0	-
4+00	3.5	+1.2	6+00	3.0	-
	3.5	-		3.0	-
	3.5	-		2.9	+1.8
	3.4	+1.3		2.9	-
	3.4	-		2.9	-
50	3.4	-	50	2.9	-
	3.4	-		2.9	-
	3.3	+1.4		2.9	-
	3.3	-		2.9	-
	3.3	-		2.9	-
5+00	3.2	+1.5	7+00	2.9	-
	3.1	+1.6		2.9	-
	3.1	+1.6		2.9	-
	3.1	+1.6		2.9	-
	3.0	+1.7	11:08	2.9	-
5+50	3.0	+1.7	7+50	2.9	-

PX

STA - N-113+00

1-8-48

DIST	SOUND		DIST	SOUND	
7+60	2.9	+1.8	9+60	13.7	-9.1
	2.9	-		13.4	-8.8
(4.7)	2.9	-	(4.6)	14.0	-9.4
	2.9	-		14.0	-9.4
8+00	2.9	-	10+00	13.5	-8.9
	2.9	-		13.0	-8.4
	2.9	-		13.0	-8.4
	2.9	-		13.3	-8.7
	2.9	-		13.1	-8.5
50	3.0	+1.7	50	~~13.~~ 12.4	-7.8
	3.1	+1.6		11.8	-7.2
	3.1	-		11.5	-6.9
	3.1	-		10.2	-5.6
	3.4	+1.3		8.8	-2.2
9+00	3.5	+1.2	11+00	5.1	-0.5
	3.8	+0.9		3.5	+1.1
(4.7)	5.0	-0.3	11:12		
(4.6)	8.1	-3.5			
11:10	12.0	-7.4			
9+50	14.1	-9.5			

PX

1-8-48

(21)

STA - N-114+00

0+00 = STA - N-114+00 "CDE" B/L: SOUND WEST AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	3.4	+1.1	1+80	3.3	+1.2
+10	3.4	+1.1		3.3	-
11:19	3.4	+1.1	2+00	3.3	-
(4.5)	3.5	+1.0	(4.5)	3.3	-
	3.4	+1.1		3.3	-
50	3.4	-		3.4	+1.1
	3.4	-		3.4	-
	3.4	-	50	3.4	-
	3.4	-		3.4	-
	3.4	-		3.4	-
1+00	3.4	-		3.4	-
	3.4	-	11:22	3.4	-
	3.4	-	3+00	3.4	-
	3.4	-		3.4	-
	3.4	-		3.4	-
50	3.4	-		3.4	-
	3.4	-		3.4	-
1+20	3.4	-	3+50	3.4	-

PT STA - N-114+00 4-8-48

DIST	SOUND		DIST	SOUND	
3+60	3.4	+1.1	5+60	3.2	+1.3
	3.4	-		3.1	+1.4
(4.5)	3.4	-	(4.5)	3.3	+1.2
	3.4	-		3.5	+1.0
4+00	3.4	-	6+00	3.4	+1.1
	3.3	+1.2		3.2	+1.3
	3.3	-		3.1	+1.4
	3.3	-		3.1	+1.4
	3.3	-		3.0	+1.5
50	3.3	-	50	3.0	-
	3.3	-		3.0	-
	3.3	-		3.0	-
	3.3	-		3.0	-
	3.3	-		2.9	+1.6
5+00	3.3	-	7+00	3.0	+1.5
	3.3	-		2.9	+1.6
	3.3	-		2.9	-
	3.3	-		2.9	-
11:25	3.3	-		2.9	-
5+50	3.3	-	7+50	3.0	+1.5

PT STA - N-114+00 4-8-48 (22)

DIST	SOUND		DIST	SOUND	
7+60	3.0	+1.5	9+60	11.5	-7.0
	3.0	-		12.1	-7.6
(4.5)	3.0	-		12.2	-7.7
	3.0	-	(4.5)	12.3	-7.8
8+00	3.4	+1.1	10+00	12.3	-7.8
	3.2	+1.3	11:30	12.3	-7.8
	3.2	+1.3	(4.4)	12.0	-7.6
	3.1	+1.4		12.2	-7.8
11:28	3.0	+1.5		12.1	-7.7
50	3.0	-	50	12.0	-7.6
	3.0	-		11.8	-7.4
	3.0	-		12.0	-7.6
	3.2	+1.3		11.7	-7.3
	3.2	+1.3		11.0	-6.6
9+00	3.3	+1.2	11+00	10.2	-5.8
	3.4	+1.1		8.0	-3.6
	4.1	+0.4	11+20	4.2	+0.2
	4.4	+0.1	11:32		
	7.8	-4.3			
9+50	10.0	-5.5			

P.+ STA. N-115+00 4-8-48

0+00=STA. N-115+00 "CDE" B/L: SOUND WEST AT 90° T. B/L.

DIST	SOUND		DIST	SOUND	
0+00	3.2	+1.2	1+80	3.2	+1.2
+10	3.2	+1.2		3.2	-
11:37	3.1	+1.3	2+00	3.2	-
(4.4)	3.1	-	(4.4)	3.2	-
	3.1	-		3.3	+1.1
50	3.1	-		3.3	-
	3.1	-		3.3	-
	3.1	-	50	3.3	-
	3.1	-		3.3	-
	3.1	-		3.3	-
1+00	3.1	-		3.3	-
	3.2	+1.2		3.3	-
	3.2	-	3+00	3.3	-
	3.2	-		3.3	-
	3.2	-	(4.4)	3.4	+1.0
50	3.2	-	11:40	3.4	+1.0
	3.2	-	(4.3)	3.5	+0.8
1+90	3.2	-	3+50	3.4	+0.9

P.+ STA. N-115+00 4-8-48 (23)

DIST	SOUND		DIST	SOUND	
3+60	3.4	+0.9	5+60	3.2	+1.1
	3.4	-		3.2	-
(4.3)	3.4	-	(4.3)	3.2	-
	3.4	-		3.2	-
4+00	3.4	-	6+00	3.1	+1.2
	3.5	+0.8		3.5	+0.8
	3.4	+0.9		3.4	+0.9
	3.4	-		3.1	+1.2
	3.4	-		3.1	+1.2
50	3.4	-	50	3.1	+1.2
	3.4	-		3.0	+1.3
	3.4	-		3.0	-
	3.4	-		3.0	-
	3.4	-		3.0	-
5+00	3.4	-	7+00	3.0	-
	3.4	-		3.0	-
	3.4	-		3.0	-
	3.2	+1.1		3.0	-
11:43	3.2	+1.1	11:45	3.0	-
5+50	3.2	+1.1	7+50	3.0	-

PX STA-N-115+00 9-8-18

DIST	SOUND		DIST	SOUND	
7+60	3,0	+1.3	9+60	4,1	+0.1
	3,0	-		5,5	-1.3
(4.3)	3,0	-	(4.2)	9,0	-4.8
	3,0	-	11:48	11,0	-6.8
8+00	3,0	-	10+00	11,6	-7.4
	3,0	-		11,8	-7.6
	3,0	-		11,8	-7.6
	3,3	+1.0		11,7	-7.5
	3,1	+1.2		11,7	-7.5
50	3,3	+1.0	50	12,0	-7.8
	3,3	-		12,0	-7.8
	3,3	-		11,8	-7.6
	3,2	+1.1		11,5	-7.3
	3,3	+1.0		11,5	-7.3
9+00	3,3	+1.0	11+00	11,5	-7.3
(4.3)	3,5	+0.8		11,0	-6.8
(4.2)	3,7	+0.5		8,5	-4.3
	3,7	+0.5		5,0	-0.8
	3,8	+0.4	11+40	2,8	+1.4
9+50	3,9	+0.3	11:50		

ORIGINAL 9-8-18 (24)

SOUNDINGS OF PROJECT # 9

PX

STA-121+00-N

0+00 = STA-N-121+00 "FGH" B/L; SOUND WEST AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	3.4	-0.1	1+70	2,9	+0.4
+10	3,2	+0.1		2,9	-
12:03	3,2	+0.1	(3.3)	2,9	-
(3.3)	3,2	+0.1	2+00	2,9	-
	3,1	+0.2		2,9	-
50	3,1	-		2,8	+0.5
	3,1	-		2,8	-
	3,1	-		2,8	-
	3,1	-	50	2,8	-
	3,1	-		2,8	-
1+00	3,1	-		2,8	-
	3,1	-		2,8	-
	3,1	-		2,8	-
	3,1	-	3+00	2,7	+0.6
	3,0	+0.3		2,7	-
12:05 50	3,0	-		2,7	-
1+60	3,0		3+30	2,9	-

STA - N-121+00 — 4-8-18

DIST	SOUND		DIST	SOUND	
3+40	2.7	+0.6	5+40	3.0	+0.3
50	2.7	-	50	3.0	-
	2.7	-		3.0	-
(3.3)	2.7	-	(3.3)	3.0	-
	2.7	-		3.0	-
	2.7	-		2.9	+0.4
4+00	2.7	-	6+00	3.0	+0.3
	2.7	-		2.8	+0.5
	2.7	-		2.8	+0.5
13:08	2.7	-		2.8	+0.5
	2.7	-		1.0	-0.7
50	2.7	-	50	8.5	-5.2
	2.7	-	(3.3)	10.0	-6.7
	2.8	+0.5	13:10	10.2	-7.0
	2.8	+0.5	(3.2)	10.0	-6.8
	2.9	+0.4		10.1	-6.9
5+00	2.9	+0.4	7+00	10.2	-7.0
	3.0	+0.3		10.2	-7.0
	3.0	+0.3		10.3	-7.1
5+30	3.0	+0.3	7+30	10.8	-7.6

STA - N-121+00 — 4-8-18 — (25)

DIST	SOUND		DIST	SOUND	
7+40	10.5	-7.3	9+40	8.4	-5.2
50	10.5	-7.3	50	7.7	-4.5
(3.2)	10.4	-7.2	(3.2)	8.3	-5.1
	11.0	-7.8		8.3	-5.1
	11.0	-7.8		7.4	-4.3
	11.3	-8.1		8.8	-5.5
8+00	~~11.2~~ 11.2	-8.0	10+00	9.0	-5.8
	11.2	-8.0		9.5	-6.3
	11.0	-7.8		9.4	-6.2
	10.8	-7.6		8.8	-5.6
	10.4	-7.2		8.7	-5.5
50	10.0	-6.8	50	8.0	-4.8
	10.0	-6.8		7.6	-4.4
	9.7	-6.5		8.5	-5.3
	8.0	-4.8		10.7	-7.5
	7.8	-4.6		11.3	-8.1
9+00	8.2	-5.0	11+00	11.3	-8.1
	10.3	-7.1		11.3	-8.1
	9.8	-6.6	13:15	11.0	-7.8
9+30	9.8	-6.6	11+30	11.0	

STA - N-121+00

7-8-98

PX

DIST	SOUND		DIST	SOUND	
11+10	11.0	-7.8	13+10	11.3	-8.1
50	11.0	-7.8	50	11.0	-7.8
(3.2)	11.0	-7.8	(3.2)	11.0	-7.8
	11.1	-7.9		10.7	-7.5
	11.0	-7.8		10.7	-7.5
	11.1	-7.9		11.0	-7.8
12+00	11.0	-7.8	14+00	11.0	-7.8
	10.8	-7.6		11.0	-7.8
	10.8	-7.6		11.0	-
	10.7	-7.5		11.0	-
	10.7	-7.5		10.7	-7.5
50	10.7	-	50	10.5	-7.3
	10.7	-		10.3	-7.1
	10.7	-		10.0	-6.8
	10.7	-		9.8	-6.6
	10.7	-		9.0	-5.8
13:17					
13+00	10.8	-7.6	15+00		
	10.9	-7.7	13:20		
	11.2	-8.0			
13+30	11.5	-8.3			

STA N-122+00

7-8-97

PX

(26)

0+00 = STA - N-122+00 "FGH" B/L: SOUND WEST AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	3.0	0	1+80	2.9	0
+10	3.0	0		2.9	-
13:28	3.0	0	2+00	2.9	-
(3.0)	3.0	0	(2.9)	2.9	-
	3.0	0		2.8	+0.1
50	3.0	0		2.7	+0.2
	3.0	0		2.7	-
	3.0	0	50	2.7	-
	3.0	0		2.7	-
	2.9	+0.1		2.7	-
1+00	2.9	-		2.7	-
	2.9	-		2.6	+0.3
	2.9	-	3+00	2.5	+0.4
	3.0	0		2.5	-
(3.0)	3.0	0		2.5	-
(2.9) 50	3.0	-0.1		2.4	+0.5
13:30	2.9	0		2.4	+0.5
1+70	2.9	0	3+50	2.4	+0.5

N-122+00 — 7-8-18

DIST	SOUND		DIST	SOUND	
3+60	2.4	+0.5	5+60	2.5	+0.4
13:33	2.4	-		2.4	+0.5
(2.9)	2.4	-	(2.9)	2.4	+0.5
	2.4	-		2.3	+0.6
4+00	2.4	-	6+00	2.3	+0.6
	2.4	-		2.3	-
	2.4	-		2.3	-
	2.5	+0.4		2.3	-
	2.5	-		2.3	-
50	2.5	-	50	2.3	-
	2.6	+0.3		2.3	-
	2.7	+0.2		2.3	-
	2.7	-		2.3	-
	2.7	-		2.3	-
5+00	2.7	-	7+00	2.3	-
	2.7	-		2.3	-
	2.7	-		2.3	-
	2.6	+0.3		2.3	-
13:35	2.6	-		2.3	-
5+50	2.6	-	7+50	2.5	+0.4

N-122+00 — 7-8-18 — (27)

DIST	SOUND		DIST	SOUND	
7+60	3.1	-0.2	9+60	10.8	-8.0
	2.7 3.1	+0.2		10.5	-7.7
(2.9)	2.8	+0.1	(2.8)	10.5	-7.7
	5.3	-2.4		10.7	-7.9
8+00	8.0	-5.1	10+00	10.7	-7.9
13:38	11.0	-8.1		10.7	-7.9
	11.5	-8.6		10.2	-7.4
	11.6	-8.7		10.0	-7.2
	11.5	-8.6		9.7	-6.9
50	10.7	-7.8	50	9.4	-6.6
	10.7	-7.8		9.4	-6.6
	10.7	-7.8		9.4	-6.6
(2.9)	10.5	-7.6		9.4	-6.6
(2.8)	10.2	-7.4		9.8	-7.0
9+00	10.3	-7.5	11+00	9.8	-7.0
	10.1	-7.3		9.8	-7.0
13:40	10.1	-7.3		9.8	-7.0
	10.1	-7.3		9.8	-7.0
	10.5	-7.7		9.7	-6.9
9+50	10.5	-7.7	13:43 11+50	9.7	-6.9

N-122+00 — 9-8-18

DIST	SOUND		DIST	SOUND	
11+60	9.8	-7.0	13+60	9.8	-7.1
	9.7	-6.9		9.8	-7.1
(2.8)	9.4	-6.6	(2.7)	10.0	-7.3
	9.4	-6.6		10.0	-7.3
12+00	9.5	-6.7	14+00	10.8	-8.1
	9.5	-6.7		11.2	-8.5
	9.5	-6.7		11.3	-8.6
	10.1	-7.3		11.3	-8.6
	10.1	-		11.3	-8.6
50	10.1	-	50	11.3	-8.6
	10.1	-		11.0	-8.3
	10.1	-		10.0	-7.3
(2.8)	10.0	-		9.1	-6.4
(2.7)	10.0	-		6.7	-4.0
13+00	10.0	-	15+00	6.0	-3.3
13:45	10.1	-7.4		5.8	-3.1
	10.2	-7.5		4.7	-2.0
	10.6	-7.9	15+30	2.0	+2.0
	10.4	-7.7	13:48		
13+50	10.0	-7.3			

STA- N-123+00 — 9-8-18 — (28)

0+00 = STA-N-123+00 "FGH." B/L: SOUND WEST AT 90° TO B/L

DIST	SOUND		DIST	SOUND	
0+00 -	2.5	0.0	1+80	2.5	0.0
+10	2.5	—		2.5	-
13:55	2.5	-	2+00	2.5	-
(2.5)	2.5	-	(2.5)	2.5	-
	2.5	-		2.5	-
50	2.5	-		2.5	-
	2.5	-	13:58	2.6	-0.1
	2.5	-	50	2.6	-
	2.6	-0.1		2.6	-
	2.6	-		2.5	0.0
1+00	2.6	-		2.5	-
	2.5	0.0		2.5	-
	2.5	-	3+00	2.5	-
	2.5	-		2.4	+0.1
	2.5	-		2.4	-
50	2.5	-		2.4	-
	2.5	-		2.4	-
1+70	2.5	-	3+50	2.3	+0.2

DIST	SOUND	N-123	+00 DIST	SOUND	9-8-98
3+60	2.3	+0.2	5+60	1.9	+0.6
	2.3	-		1.9	-
(2.5)	2.3	-	(2.5)	1.8	+0.7
	2.3	-		1.8	-
4+00	2.4	+0.1	6+00	1.8	-
	2.4	-		1.8	-
	2.4	-		1.8	-
	2.4	-		1.8	-
14:00	2.4	-		1.8	-
50	2.4	-	50	1.8	-
	2.4	-		1.8	-
	2.2	+0.3	14:03	1.8	-
	2.1	+0.4		1.8	-
	2.0	+0.5		1.8	-
5+00	2.0	-	7+00	1.8	-
	2.0	-		1.8	-
	2.0	-		1.8	-
	2.0	-		1.8	-
	1.9	+0.6		1.8	-
5+50	1.9	-	7+50	1.8	-

DIST	SOUND	N-123	+00 DIST	SOUND	9-8-98
7+60	1.8	+0.7	9+60	1.7	+0.7
	1.8	-		1.7	-
(2.5)	1.8	-	(2.4)	1.7	-
	1.8	-		1.8	+0.4
8+00	1.8	-	10+00	1.8	-
	1.8	-		1.7	+0.7
(2.5)	1.8	-		1.6	+0.8
14:05	1.8	-		1.6	-
(2.4)	2.0	+0.4		1.5	+0.9
50	1.9	+0.5	50	1.7	+0.7
	1.8	+0.6		1.7	-
	1.8	-		1.9	+0.5
	1.8	-		1.8	+0.6
	1.8	-		1.8	-
9+00	1.8	-	11+00	1.6	+0.8
	1.8	-		1.6	-
	1.8	-		1.5	+0.9
	1.7	+0.7		1.5	-
	1.7	-		1.5	-
9+50	1.7	-	11+50	1.5	-

N-123+00

DIST	SOUND		DIST	SOUND	
PX					
11+60	2.0	+0.4	13+60	2.8	+1.7
13:08	1.8	+0.6		2.8	+1.7
	2.0	+0.4		2.7	+1.8
(2.4)	1.7	+0.7		2.6	+1.9
14:10					
12+00	1.4	+1.0	14+00	2.8	+1.7
		4-2-48			
10:38	4.1	+0.4		4.0	+0.5
	4.0	+0.5	(4.5)	5.7	-1.2
(4.5)	3.8	+0.7		6.1	-1.6
	3.7	+0.8		7.1	-2.6
50	3.6	+0.9	50	8.0	-3.5
	3.5	+1.0		8.2	3.7
	3.5	-		8.5	4.0
	3.5	-		8.5	-
	3.5	-		8.5	-
13+00	3.5	-	15+00	8.2	-3.7
	3.6	+0.9		8.0	-3.5
	3.5	+1.0		7.0	-2.5
	3.5	-		6.4	-1.9
	3.4	+1.1		6.0	-1.5
13+50	3.1	+1.4	15+50	5.5	-1.0

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72
196

4-8-48

STA-N-123+00

4-9-48

30

DIST	SOUND	
PX		
15+60	4.5	0.0
	3.5	+1.0
(4.5)	2.8	+1.7
	2.2	+2.2
16+00	1.8	+2.7
16+10	1.7	+2.8
10:42		

ORIGINAL

(31)

SOUNDINGS OF PROJECT #9 SECTION "EE"

STA-W-190+00

0+00 = STA-W-190+00 "EE" B/L: SOUND SOUTH AT 90° TO B/L

DIST	SOUND	DIST	SOUND
0+00	2.9	1+70	3.3
10	2.9		3.4
08:54	2.9		3.4
	2.9	2+00	3.4
	2.9		3.4
50	2.9		3.4
	3.0		3.4
	3.0		3.5
	3.0	50	3.5
	3.1		3.5
1+00	3.1		3.6
	3.2	08:57	3.8
	3.2		3.9
	3.2	3+00	3.8
	3.2		3.9
50	3.3		3.9
1+60	3.3	3+30	3.9

SEE PAGE (69) TO (74) THIS BOOK

STA - W - 190+00 4-9-18

DIST	SOUND
3+40	4.8
50	7.0
	8.1
	~~7.0~~ 11.0
	~~7.2~~ 11.2
	8.4
7+00	8.5
	8.3
	~~7.8~~ VOID
	8.0
	9.1
50	10.0
	10.4
	10.3
	10.3
	10.5
5+00	11.0
	10.5
	10.2
5+30	10.1

DIST	SOUND
5+40	10.7
50	10.8
	10.7
	10.7
	10.5
~~6+00~~	10.7
~~6+00~~ 6+03	~~10.0~~ 11.0
	11.4
	11.0
	11.0
~~50~~	11.0
50	11.0
	11.0
	10.8
	10.8
	10.8
7+00	10.9
	10.9
	10.9
7+30	10.9

STA - W - 190+00 4-9-18 (32)

DIST	SOUND
7+40	10.9
50	10.9
	10.9
	10.9
09:03	11.0
	11.0
8+00	11.1
	11.2
	~~7.2~~

VOID

1-9-18

STA-W-191+00

0+00 = STA-W-191+00 STA. N123 SOUND SOUTH AT 90° TO B/L

DIST	SOUND		DIST	SOUND	
0+00	3.1	+0.5	1+80	11.4	7.8
+10	3.1	-		11.5	7.9
09:12	3.2	+0.4	2+00	11.3	7.7
(3.6)	3.2	-	(3.6)	11.1	7.5
	3.2	-		11.4	7.8
50	3.2	-		11.8	8.2
	3.2	-	09:15	11.4	7.8
	3.1	+0.5	50	11.4	7.8
	3.1	-		11.4	7.8
	3.2	+0.4		12.0	8.4
1+00	3.2	-		11.7	8.1
	3.2	-		11.3	7.7
	3.3	+0.3	3+00		
	3.3	-			
	3.4	+0.2			
50	3.6	-0.0			
	5.0	-1.4			
1+70	9.1	-5.5			

STA-W-190+00

1-9-18

(33)

0+00 = STA-W-190+00 STA N123 SOUND SOUTH AT 90° TO B/L

DIST	SOUND		DIST	SOUND	
0+00	3.2	+0.6	1+90	3.7	+0.1
+10	3.2	+0.6	2+00	3.7	-
09:21	3.3	+0.5		3.7	-
(3.8)	3.3	+0.5	(3.8)	3.8	0.0
	3.7	+0.1		3.8	-
50	3.4	+0.4		3.8	-
	3.3	+0.5	50	3.9	-1.1
	3.4	+0.4		3.9	-
	3.4	+0.4		4.0	-0.2
	3.5	+0.3		5.8	-2.0
1+00	3.5	+0.3		8.4	-4.6
	3.5	-	3+00	10.1	-6.3
	3.5	-		10.9	-7.1
	3.6	+0.2		11.0	-7.2
	3.6	-		11.3	-7.5
50	3.7	+0.1		11.8	-8.0
	3.7	-	50	11.8	-
	3.7	-		11.7	-7.9
1+80	3.7	-	09:26 3+70	11.7	-7.9

1-9-48

RX

STA-W-192+00

0+00 = STA-W-192+00 STA. N 123 : SOUND SOUTH AT 90° TO B/L.

DIST	SOUND	
0+00	3.3	+0.6
+10	3.3	-
09:30	3.4	+0.5
(3.9)	3.5	+0.4
	3.6	+0.3
50	3.6	-
	3.8	+0.1
	3.6	+0.3
	3.7	+0.2
	5.2	-1.3
1+00	3.1	-5.2
	12.1	-8.2
	12.6	-8.7
	12.7	-8.8
	12.9	-9.0
50	13.0	-9.1
	13.0	-9.1
1+70	12.9	-9.0

DIST	SOUND	
1+80	12.8	-8.9
	12.6	-8.7
2+00	12.6	-8.7
09:33		
(3.9)		

VOID

1-9-48

(34)

DX

STA-W-193+00

0+00 = STA-W-193+00 STA N 123 : SOUND SOUTH AT 90° TO B/L.

DIST	SOUND	
0+00	3.4	+0.6
+10	3.4	+0.6
09:36	3.6	+0.4
(4.0)	3.5	+0.5
	3.5	-
50	3.8	+0.2
	5.5	-1.5
	11.6	-1.6
	12.0	-8.0
	11.8	-7.8
1+00	11.7	-7.7
	11.7	-7.7
	11.8	-7.8
	11.7	-7.7
	12.0	-8.0
50	12.0	-8.0
	12.3	+8.3
09:38		
1+70	12.3	-8.3

DIST	SOUND

VOID

4-9-18

Rx

STA-W-194+00

0+00 = STA-W-194+00 STA N 123 : SOUND SOUTH AT 90° TO B/L

DIST	SOUND		DIST	SOUND
0+00	3.7	+0.7		
+10	3.4	+0.7		
09:42	3.4	—		
(4.1)	3.4	—		
	3.4	—		
50	3.5	+0.6		
	6.0	-1.9		
	9.8	-5.7		
	11.4	-7.3		
	11.1	-7.0		
1+00	11.5	-7.4		
	12.3	-8.2		
	12.2	—		
	12.2	—		
	12.2	—		
50	12.0	-7.9		
	11.8	-7.7		
1+20	11.5	-7.6		

VOID

4-9-18

Rx

STA-W-195+00

0+00 = STA-W-195+00 STA N 123 : SOUND SOUTH AT 90° TO B/L

DIST	SOUND		DIST	SOUND
0+00	3.7	+0.6		
+10	3.7	—		
14:03	3.7	—		
(4.3)	3.7	—		
	3.6	+0.7		
50	3.6	—		
	3.6	—		
	6.5	-2.3		
	10.4 (11.1)	-6.1		
	11.1	-6.8		
1+00	11.3	-7.0		
10:05	11.4	-7.1		
	11.5	-7.2		
	11.6	-7.3		
	11.8	-7.5		
50	12.0	-7.7		
	12.3	-8.0		
1+70	12.6	-8.3		

VOID

4-9-18

STA-W-196+00

0+00 = STA-W-196+00 STA N 123 : SOUND SOUTH AT 90° TO B/L.

DIST	SOUND	
0+00	4.0	+0.3
+10	3.9	+0.4
10:10	3.9	—
(4.3)	3.8	+0.5
	3.6	+0.7
50	4.0	+0.3
	3.5	+0.8
	4.1	+0.2
	8.3	-4.0
	10.8	-6.5
1+00	11.4	-7.1
	11.4	—
	11.4	—
	11.4	—
	11.5	-7.2
50	11.5	—
	11.8	-7.5
1+70	12.0	-7.7

VOID

STA-W-197+00

0+00 = STA-W-197+00 STA N 123 : SOUND SOUTH AT 90° TO B/L.

DIST	SOUND	
0+00	3.4	+1.0
+10	3.5	+0.9
10:16	3.2	+1.2
(4.4)	3.1	+1.3
	3.3	+1.1
50	3.1	+1.3
	3.1	—
	3.1	—
	4.0	+0.4
	10.1	-5.7
1+00	11.8	-7.4
	12.0	-7.6
	12.0	—
	12.0	—
	12.0	—
50	12.0	—
	12.1	-7.7
10:18		
1+70	12.3	-7.9

VOID

7-9-48

STA-W=198+00

0+00 = STA-W=198+00 STA N 123 : SOUND SOUTH AT 90° TO B/L.

DIST	SOUND		DIST	SOUND
0+00	2.8	+1.6		
+10	2.6	+1.8		
10:23	2.7	+1.7		
(4.4)	2.5	+1.9		
	2.3	+2.1		
50	2.3	—		
	2.7	+1.7		
	3.4	+1.0		
	5.6	-1.2		
	9.5	-5.1		
1+00	11.9	-7.5		
	12.7	-8.3		
	13.0	-8.6		
	13.0	—		
	13.0	—		
50	13.2	-8.8		
	13.0	-8.6		
1+70	13.0	—		

VOID

STA-W=199+00

0+00 = STA-W=199+00 STA N 123 : SOUND SOUTH AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	7.8	-3.3	1+80	11.5	-7.0
+10	7.8	—		11.2	-6.7
10:30	8.0	-3.5	11:33		
(4.5)	8.0	—			
	8.0	—			
50	8.0	—			
	8.0	—			
	8.0	—			
	7.8	-3.3			
	7.8	—			
1+00	7.6	-3.1			
	7.4	-2.9			
	8.0	-3.5			
	8.4	-3.9			
	9.0	-4.5			
50	9.3	-4.8			
	11.5	-7.0			
1+70	11.5	—			

VOID

ORIGINAL

4-9-18

SOUNDINGS OF PROJECT #9 SECTION "FGH"

PX

STA-N-124+00

0+00 = STA-N-124+00 "FGH" B/L: SOUND WEST AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	4.5	0.0	1+70	4.8	-0.3
+10	4.6	-0.1		4.8	—
10:53	4.8	-0.3	10:55	4.8	—
(4.5)	4.8	—	2+00	4.7	-0.2
	4.8	—	(4.5)	4.7	—
50	4.8	—		5.0	-0.5
	4.8	—		4.9	-0.4
	4.8	—		4.9	—
	4.8	—	50	4.9	—
	4.8	—		5.0	-0.5
1+00	4.9	-0.4		4.9	-0.4
	4.9	—		4.9	—
	4.9	—		4.8	-0.3
	4.8	-0.3	3+00	4.8	—
	4.7	-0.2		4.8	—
50	4.8	-0.3		4.8	—
1+60	4.8	—	3+30	4.8	—

STA-N-124+00

4-9-18 (38)

PX

DIST	SOUND		DIST	SOUND	
3+40	4.8	-0.3	5+40	4.3	+0.2
50	4.7	-0.2	50	4.3	—
	4.7	—		4.3	—
(4.5)	4.7	—	11:00	4.3	—
	4.7 4.7	—	(4.5)	4.2	+0.3
	4.7	—		4.2	—
4+00	4.6	-0.1	6+00	4.2	—
	4.6	—		4.2	—
	4.5	0.0		4.2	—
10:58	4.5	—		4.2	—
	4.5	—		4.2	—
50	4.5	—	50	4.2	—
	4.5	—		4.2	—
	4.4	+0.1		4.1	+0.4
	4.4	—		4.1	—
	4.4	—		4.1	—
5+00	4.3	+0.2	7+00	4.1	—
	4.3	—		4.1	—
	4.3	—		4.0	+0.5
5+30	4.3	—	7+30	4.0	—

STA - N-12 7+00 — 7-9-48

DIST	SOUND		DIST	SOUND	
7+40	4.0	+0.5	9+40	4.0	+0.5
50	4.0	—	50	4.0	—
	4.1	+0.4		4.0	—
(4.5)	4.1	—	(4.5)	4.0	—
	4.1	—		4.0	—
	4.1	—		3.9	+0.6
8+00	4.1	—	10+00	3.9	—
	4.1	—		3.9	—
	4.1	—		3.9	—
11:03	4.1	—		3.9	—
	4.1	—		4.0	+0.5
50	4.1	—	50	4.0	—
	4.1	—		4.3	+0.2
	4.0	+0.5		4.3	—
	4.0	—		4.3	—
	4.0	—		4.5	0.0
9+00	4.0	—	11+00	4.4	+0.1
	4.0	—		4.4	—
	4.0	—		4.1	+0.4
9+30	4.0	—	11+30	4.1	—

STA - N-12 7+00 — 7-9-48 — (39)

DIST	SOUND		DIST	SOUND	
11+40	4.0	+0.5	13+40	3.4	+1.1
50	3.8	+0.7	50	3.5	+1.0
	3.7	+0.8		3.5	—
(4.5)	4.0	+0.5	(4.5)	3.5	—
	3.9	+0.6		3.5	—
	3.8	+0.7	11:10	3.4	+1.1
12+00	3.8	—	14+00	3.3	+1.2
	3.7	+0.8		3.3	—
	3.6	+0.9		3.4	+1.1
	3.5	+1.0		4.0 ~~3.~~	+0.5
	3.7	+0.8		5.2	-0.7
50	3.7	—	50	6.8	-2.3
	3.7	—		7.8	-3.3
	3.5	+1.0		8.0	-3.5
	3.4	+1.1		8.0	—
	3.3	+1.2		8.0	—
13+00	3.3	—	15+00	8.0	—
	3.4	+1.1		7.5	-3.0
	3.4	—		7.1	-2.6
13+30	3.5	+1.0	15+30	7.1	—

PX

STA - N-124+00

DIST	SOUND	
15+40	6.8	-2.3
50	6.5	-2.0
(4.5)	6.3	-1.8
	6.3	—
	5.3	-0.8
	4.0	+0.5
16+00	2.8	+1.7
16+10	2.0	+2.5
11:13		

4-9-18

(10)

PX

STA - N-125+00

0+00 = STA - N-125+00 "EGH" B/L: SOUND WEST AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	4.7	-0.2	1+80	4.5	0.0
+10	4.7	—	—	4.5	—
11:24	4.7	—	2+00	4.6	-0.1
(4.5)	4.7	—	(4.5)	4.6	—
	4.7	—		4.6	—
50	4.7	—		4.6	—
	4.7	—		4.6	—
	4.7	—	50	4.6	—
	4.7	—	11:28	4.6	—
	4.7	—		4.5	0.0
1+00	4.7	—		4.7	-0.2
	4.7	—		4.6	-0.1
	4.6	-0.1	3+00	4.6	—
	4.6	—		4.6	—
	4.7	-0.2		5.0	-0.5
50	4.6	-0.1		4.7	-0.2
	4.5	0.0		4.6	-0.1
1+70	4.5	—	3+50	4.5	0.0

P4

STA - N-125+00 — 4-9-18

DIST	SOUND		DIST	SOUND	
3+60	4.5	0.0	5+60	4.1	+0.3
	4.5	—		4.1	—
(4.5)	4.5	—	(4.4)	4.1	—
	4.5	—		4.1	—
4+00	4.5	—	6+00	4.1	—
	4.6	-0.1		4.1	—
	4.6	—		4.0	+0.4
	4.5	0.0		4.0	—
	4.4	+0.1		4.0	—
50	4.4	—	50	4.0	—
	4.5	0.0		4.0	—
	4.4	+0.1		4.0	—
	4.3	+0.2		4.0	—
	4.3	—		4.0	—
5+00	4.3	—	7+00	4.0	—
(4.5)	4.3	—		4.0	—
(4.4)	4.2	—		4.0	—
11:30	4.2	—		4.0	—
	4.2	—		4.0	—
5+50	4.2	—	7+50	4.0	—

PX

STA - N-125+00 — 4-9-18

DIST	SOUND		DIST	SOUND	
7+60	4.0	+0.4	9+60	4.5	-0.1
	4.0	—		4.0	+0.4
(4.4)	4.0	—	(4.4)	3.9	+0.5
	4.0	—	11:35	3.9	—
8+00	4.0	—	10+00	3.9	—
11:33	4.0	—		3.9	—
	4.0	—		3.9	—
	3.9	+0.5		3.9	—
	3.9	—		3.9	—
50	3.9	—	50	4.0	+0.4
	3.9	—		4.2	+0.2
	3.9	—		4.0	+0.4
	3.9	—		3.9	+0.5
	3.9	—		3.9	—
9+00	3.9	—	11+00	3.9	—
	3.9	—		3.9	—
	3.9	—		3.9	—
	3.9	—		3.8	+0.6
	4.1	+0.3		3.8	—
9+50	4.1	—	11+50	3.7	+0.7

PX

STA - N-125+00

3-9-48

DIST	SOUND		DIST	SOUND	
11+60	3.5	+ 0.9	13+60	2.0	+2.4
	3.5	—		2.0	—
(4.4)	3.4	+ 1.0	(4.4)	1.9 / 2.	+ 2.5
	3.4	—		1.9	—
12+00	3.4	—	14+00	1.9	—
	3.4	—		1.9	—
	3.4	—		1.9	—
	3.3	+ 1.1		1.8	+ 2.6
	3.2	+ 1.2		1.9	+ 2.5
50	3.0	+ 1.4	50	1.9	—
	3.0	—	11:40	2.3	+ 2.1
	3.0	—		3.1	+ 1.3
	3.0	—		5.0	- 0.6
11:38	3.0	—		6.7	- 2.3
13+00	3.0	—	15+00	2.5	- 3.1
	3.0	—		2.8	- 3.4
	2.9	+ 1.5		2.9	- 3.5
	2.7	+ 1.7		2.7	- 3.3
	2.1	+ 2.3		2.2	- 2.8
13+50	2.0	+ 2.4	15+50	2.4	- 3.0

STA - N-125+00

4-9-48

(43)

PX

DIST	SOUND		DIST	SOUND
15+60	2.3	- 2.9		
	2.5	- 3.1		
(4.4)	2.1	- 2.7		
	6.8	- 2.4		
16+00	2.1	- 2.7		
	2.0	- 2.6		
	6.0	- 1.6		
	4.8	- 0.4		
	4.4	0.0		
16+50	2.0	+ 2.4		
11:43				

PX

STA-129+00-N

4-9-78

0+00=STA-N-129+00 "EGH" B/L: SOUND WEST AT 90° TO B/L

DIST	SOUND		DIST	SOUND	
0+00	3.7	-0.3	1+90	4.1	-1.0
+10	3.7	—	2+00	4.5	-1.1
13:08	3.7	—		4.5	—
(3.4)	3.7	—	(3.4)	4.6	-1.2
	3.7	—		4.6	—
50	3.7	—		4.5	-1.1
	3.8	-0.4	50	4.5	—
	4.0	-0.6		4.5	—
	4.1	-0.7		4.6	-1.2
	4.1	—		4.6	—
1+00	4.1	—		4.6	—
	4.1	—	3+00	4.6	—
	4.2	-0.8	13:10	4.6	—
	4.2	—		4.6	—
	4.2	—		4.6	—
50	4.3	-0.9		4.6	—
	4.3	—	50	4.6	—
	4.3	—		4.6	—
1+80	4.3	—	3+70	4.6	—

STA-N-129+00

4-9-78

PX (43)

DIST	SOUND		DIST	SOUND	
3+80	4.6	-1.2	5+80	4.0	-0.6
	4.6	—		3.9	-0.5
4+00	4.6	—	6+00	3.9	—
(3.4)	4.6	—	(3.4)	3.9	—
	4.5	-1.1		4.0	-0.6
	4.5	—	13:13	3.9	-0.5
	4.5	—		3.9	—
50	4.6	-1.2	50	3.8	-0.4
	4.6	—		3.8	—
	4.5	-1.1		3.8	—
	4.4	-1.0		3.8	—
	4.4	—		3.8	—
5+00	4.3	-0.9	7+00	3.8	—
	4.3	—		3.7	-0.3
	4.3	—		3.7	—
	4.3	—		3.7	—
	4.3	—		3.7	—
50	4.3	—	50	3.7	—
	4.2	-0.8		3.7	—
5+70	4.2	—	7+70	3.7	—

STA - N-129+00 — 1-9-18 — PT

DIST	SOUND		DIST	SOUND	
7+80	3.7	-0.3	9+80	3.3	+0.1
	3.7	—		3.3	—
8+00	3.7	—	10+00	3.3	—
(3.4)	3.7	—	(3.4)	3.5	-0.1
13:15	3.5	-0.1		3.5	—
	3.5	—		3.5	—
	3.5	—		3.5	—
50	3.5	—	50	3.5	—
	3.4	0.0		3.5	—
	3.4	—		3.4	0.0
	3.4	—		3.4	—
	3.4	—		3.4	—
9+00	3.4	—	11+00	3.4	—
	3.4	—		3.3	+0.1
	3.4	—	13:18	3.3	—
	3.4	—		3.3	—
	3.4	—		3.3	—
50	3.4	—	50	3.3	—
	3.4	—		3.2	+0.2
9+70	3.3	+0.1	11+70	3.2	—

STA - N-129+00 — 1-9-18 — PX (44)

DIST	SOUND		DIST	SOUND	
11+80	3.2	+0.2	13+80	3.1	+0.2
(3.4)	3.2	—		3.1	—
12+00	3.2	—	14+00	3.1	—
	3.2	—	(3.3)	3.1	—
	3.2	—		3.0	+0.3
	3.2	—		3.0	—
	3.1	+0.3		3.0	—
50	3.1	—	50	3.0	—
	3.1	—		3.0	—
(3.4)	3.2	+0.2		3.0	—
(3.3)	3.2	+0.1		3.0	—
13:20	3.2	—		3.0	—
13+00	3.2	—	15+00	3.0	—
	3.2	—		2.9	+0.4
	3.1	+0.2		2.9	—
	3.1	—		2.9	—
	3.2	+0.1		2.9	—
50	3.1	+0.2	50	2.9	—
	3.0	+0.3	18:23	2.8	+0.5
13+70	3.0	—	15+70	2.8	—

PT

STA - N-129+00

4-9-18

DIST	SOUND		DIST	SOUND	
			17+80		
15+80	2.7	+0.6	~~17+80~~	7.5	-4.2
	2.7	—		5.2	-1.9
			1.8+00		
16+00	2.9	+0.4	~~18+00~~	4.0	-0.7
(3.3)	3.7	-0.4	(3.3)	3.1	+0.2
	4.5	-1.2		2.8	+0.5
	5.8	-2.5		2.3	+1.0
	6.0	-2.7		2.0	+1.3
50	5.8	-2.5	18+50	1.5	+1.8
	6.7	-3.4	13:27		
	5.4	-2.1			
	4.5	-1.2			
	5.0	-1.7			
17+00	5.0	—			
	5.4	-2.1			
	5.5	-2.2			
13:25	6.0	-2.7			
	2.1	-3.8			
50	2.8	-4.5			
	8.2	-4.9			
17+70	8.6	-5.3			

4-9-18

PX (45)

STA - N-128+00

1+00 = STA - N-128+00 "FGH" B/L: SOUND WEST AT 90° TO B/L

DIST	SOUND		DIST	SOUND	
0+00	3.1	0.0	1+80	3.4	-0.3
+10	3.1	—		3.6	-0.5
12:28	3.1	—	2+00	3.7	-0.6
(3.1)	3.3	-0.2	(3.1)	3.8	-0.7
	3.3	—		4.0	-0.9
50	3.3	—	13:40	4.0	—
	3.2	-0.1		4.0	—
	3.2	—	50	4.0	—
	3.2	—		4.0	—
	3.2	—		4.0	—
1+00	3.2	—		4.0	—
	3.1	0.0		4.0	—
	3.2	-0.1	3+00	4.0	—
	3.2	—		4.1	-1.0
	3.2	—		4.1	—
50	3.2	—		4.1	—
	3.3	—		4.2	-1.1
1+70	3.3	-0.2	3+50	4.1	-1.0

PX

STA- N-128+00

7-9-48

DIST	SOUND		DIST	SOUND	
3+60	4.1	-1.1	5+60	3.7	-0.7
	4.1	—		3.7	—
(3.0)	4.1	—	(3.0)	3.5	-0.5
	4.1	—		3.5	—
4+00	4.1	—	6+00	3.5	—
	4.1	—		3.4	-0.4
	4.1	—		3.4	—
	4.2	-1.2		3.4	—
	4.1	-1.1		3.3	-0.3
50	4.1	—	50	3.2	-0.2
	4.0	-1.0		3.1	-0.1
	4.0	—		3.1	—
	4.0	—		3.1	—
	4.0	—		3.1	—
5+00	4.0	—	7+00	3.1	—
	4.0	—		3.1	—
13:47	4.0	—		3.1	—
	3.9	-0.9		3.1	—
	3.8	-0.8		3.1	—
5+50	3.8	—	7+50	3.0	0.0

STA- 128+00

7-9-48

PX (2)

DIST	SOUND		DIST	SOUND	
7+60	3.0	0.0	9+60	2.9	+0.1
(3.0)	3.0	—		2.9	—
13:45	3.0	—	3.0	2.9	—
	3.0	—	(2.9)	3.0	-0.1
8+00	3.0	—	10+00	3.0	—
	3.0	—		2.9	0.0
	3.0	—		2.9	—
	3.0	—	13:48	2.9	—
	3.0	—		2.9	—
50	3.0	—	50	2.9	—
	3.0	—		2.9	—
	3.0	—		2.9	—
	3.0	—		2.9	—
	3.0	—		2.9	—
9+00	3.0	—	11+00	2.9	—
	3.0	—		2.9	—
	3.0	—		2.9	—
	3.0	—		2.9	—
	3.0	—		2.9	—
9+50	2.9	+0.1	11+50	2.9	—

PX

STA - N - 12 8+00 — 1-9-18

DIST	SOUND		DIST	SOUND	
11+60	2.9	0.0	13+60	2.7	+0.2
13:50	2.9	—		2.7	—
	2.8	+0.1		2.7	—
(2.9)	2.8	—	(2.9)	2.7	—
12+00	2.7	+0.2	14+00	2.6	+0.3
	2.7	—		2.5	+0.4
	2.7	—	13:53	2.4	+0.5
	2.7	—		2.4	—
	2.7	—		2.3	+0.6
50	2.7	—	50	2.2	+0.7
	2.7	—		2.2	—
	2.7	—		2.1	+0.8
	2.8	+0.1		2.0	+0.9
	2.8	—		2.0	—
13+00	2.7	+0.2	15+00	2.0	—
	2.7	—		1.9	+1.0
	2.7	—		1.8	+1.1
	2.7	—		1.7	+1.2
	2.7	—		1.5	+1.4
13+50	2.7	—	15+50	1.2	+1.7

STA - N - 12 8+00 — 1-9-18

PX (47)

DIST	SOUND		DIST	SOUND	
15+60	1.1	+1.8	17+60	7.1	-4.2
	1.1	—		5.0	-2.1
	1.3	+1.6	17+80	3.0	-0.1
(2.9)	1.5	+1.4	(2.9)		
16+00	1.5	—			
	2.7	+0.2			
17:55	2.8	+0.1			
	3.2	-0.3			
	5.1	-2.2			
50	5.8	-2.9			
	6.2	-3.3			
	6.0	-3.1			
	6.0	—			
	5.5	-2.6			
17+00	6.5	-3.6			
	7.0	-4.1			
	7.1	-4.2			
	7.2	-4.3			
	7.5	-4.6			
17+50	7.5	—			

PX

4-9-18

STA-N-131+00

0+00 = STA-N-131+00 "EOH" B/L: SOUND WEST AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	3.8	-1.1	1+80	4.1	-1.4
+10	3.8	—		4.1	—
14:10	3.9	-1.2	2+00	4.2	-1.5
(2.7)	3.9	—	(2.7)	4.2	—
	3.9	—		4.2	—
50	3.9	—		4.2	—
	3.9	—	14:13	4.1	-1.4
	3.9	—	50	4.1	—
	3.9	—		4.1	—
	4.0	-1.3		4.1	—
1+00	4.0	—		4.1	—
	4.0	—		4.1	—
	4.0	—	3+00	4.1	—
	4.0	—		4.0	-1.3
	4.0	—		4.0	—
50	4.0	—		4.0	—
	4.1	-1.4		4.0	—
1+70	4.1	—	3+50	4.0	—

STA-N-131+00

4-9-18

(98)

PX

DIST	SOUND		DIST	SOUND	
3+60	4.0	-1.3	5+60	3.8	-1.2
	4.0	—		3.8	—
	4.0	—		3.7	-1.1
(2.7)	4.0	—	(2.6)	3.6	-1.0
4+00	4.0	—	6+00	3.4	-0.8
	4.0	—		3.4	—
14:15	4.0	—		3.4	—
	4.0	—		3.2	-0.6
	4.0	—		3.1	-0.5
50	3.8	-1.1	50	3.2	-0.6
	3.8	—	14:23	3.2	—
	3.8	—		3.3	-0.7
	3.8	—		3.2	-0.6
	3.8	—		3.2	—
5+00	3.9	-1.2	7+00	3.2	—
	3.9	—		3.2	—
(2.7)	3.8	-1.1		3.2	—
(2.6)	3.8	-1.2		3.2	—
	3.8	—		3.4	-0.8
5+50	3.8	—	7+50	3.4	—

PX

STA-N-13+00

4-9-18

DIST	SOUND		DIST	SOUND	
7+60	3.2	-0.6	9+60	3.1	-0.5
	3.4	-0.8		3.1	—
(2.6)	3.5	-0.9	(2.6)	3.1	—
	3.5	—		3.1	—
8+00	3.5	—	10+00	3.0	-0.4
	3.5	—		2.9	-0.3
	3.5	—		2.9	—
	3.5	—		2.8	-0.2
	3.5	—		2.8	—
50	3.5	—	50	2.8	—
	3.6	-1.0		2.7	-0.1
	3.5	-0.9		2.7	—
14:20	3.7	-1.1		2.7	—
	3.7	—		2.7	—
9+00	3.5	-0.9	11+00	2.7	—
	3.5	—		2.7	—
	3.5	—		2.7	—
	3.4	-0.8		2.7	—
	3.4	—		2.7	—
9+50	3.2	-0.6	11+50	2.6	0.0

STA-N-13+00

4-9-18

PX (49)

DIST	SOUND		DIST	SOUND	
11+60	2.6	0.0	13+60	2.4	+0.2
	2.5	+0.1		2.4	—
(2.6)	2.5	—	(2.6)	2.4	—
14:23	2.6	0.0	(2.5)	2.3	+0.2
12+00	2.6	—	14+00	2.2	+0.3
	2.6	—	14:25	2.2	—
	2.6	—		2.2	—
	2.6	—		2.2	—
	2.6	—		2.2	—
50	2.7	-0.1	30	2.2	—
	2.7	—		2.2	—
	2.7	—		2.2	—
	2.6	0.0		2.1	+0.4
	2.6	—		2.1	—
18+00	2.6	—	15+00	2.1	—
	2.5	+0.1		2.1	—
	2.5	—		2.1	—
	2.5	—		2.1	—
	2.5	—		2.1	—
13+50	2.5	—	15+50	2.2	+0.3

PX

STA-N-131+00

1-9-18

DIST	SOUND		DIST	SOUND	
15+60	2.3	+0.2	17+60	3.3	-0.8
	2.5	0.0		5.5	-3.0
(2.5)	2.6	-0.1	(2.5)	6.5	-4.0
	2.7	-0.2		7.4	-4.9
16+00	2.8	-0.3	18+00	8.0	-5.5
	2.9	-0.4		8.0	—
	2.8	-0.3		~~7.4~~ 4.4	-4.9
	2.5	0.0		6.4	-3.9
	2.1	+0.4		3.5	-1.0
50	2.1	—	50	2.6	-0.1
	2.4	+0.1		2.1	+0.4
	2.8	-0.3		1.8	+0.7
	2.6	-0.1		1.8	—
14:28	2.5	0.0		2.1	+0.4
17+00	2.8	-0.3	19+00	2.0	+0.5
	3.0	-0.5	19+68	1.5	+1.0
	3.0	—	14:30		
	2.8	-0.3			
	2.8	—			
17+50	3.0	-0.5			

1-9-18

(50)

STA-132+00-N

0+00=STA-N-132+00 "FGH" B/L: SOUND WEST AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	4.1	-1.7	1+80	4.0	-1.6
+10	4.2	-1.8		4.0	—
14:10	4.3	-1.9	2+00	4.0	—
(2.4)	4.3	—	(2.4)	4.0	—
	4.2	-1.8		4.0	—
50	4.2	—		4.0	—
	4.2	—	14:13	4.0	—
	4.2	—	50	4.0	—
	4.2	—		4.0	—
	4.2	—		4.0	—
1+00	4.3	-1.9		4.0	—
	4.2	-1.8		4.0	—
	4.1	-1.7	3+00	4.0	—
	4.0	-1.6		4.0	—
	4.0	—		4.0	—
50	4.0	—		4.0	—
	4.0	—		4.0	—
1+70	4.0	—	3+50	4.0	—

PX

STA-132+00-N

4-9-18

DIST	SOUND		DIST	SOUND	
3+60	4.0	-1.6	5+60	3.7	-1.4
	4.0	—		3.7	—
(2.4)	4.0	—	(2.3)	3.7	—
	4.0	—		3.6	-1.3
4+00	4.0	—	6+00	3.5	-1.2
	4.0	—		3.4	-1.1
	4.0	—		3.4	—
	4.0	—		3.4	—
	4.0	—		3.4	—
50	3.9	-1.5	50	3.3	-1.0
	3.9	—		3.3	—
(2.4)	3.8	-1.4		3.3	—
(2.3)	3.8	-1.5		3.3	—
14:45	3.8	—		3.3	—
5+00	3.8	—	7+00	3.5	-1.2
	3.8	—		3.5	—
	3.8	—		3.5	—
	3.8	—		3.6	-1.3
	3.8	—	14:48	3.7	-1.4
5+50	3.7	-1.4	7+50	3.7	—

STA-N-132+00

4-9-18

PX (51)

DIST	SOUND		DIST	SOUND	
7+60	3.7	-1.4	9+60	3.3	-1.0
	3.7	—		3.2	-0.9
(2.3)	3.7	—	14:50	3.2	—
	3.7	—	(2.3)	3.1	-0.8
8+00	3.7	—	10+00	3.1	—
	3.6	-1.3		3.0	-0.7
	3.5	-1.2		3.0	—
	3.6	-1.3		3.0	—
	3.5	-1.2		2.9	-0.6
50	3.5	—	50	2.8	-0.5
	3.5	—		2.7	-0.4
	3.5	—		2.7	—
	3.5	—		2.7	—
	3.5	—		2.7	—
8+00	3.5	—	11+00	2.7	—
	3.5	—		2.6	-0.3
	3.5	—		2.6	—
	3.4	-1.1		2.6	—
	3.3	-1.0		2.6	—
8+50	3.3	—	11+50	2.6	—

PX

STA-N-132+00

4-9-18

DIST	SOUND		DIST	SOUND	
11+60	2.5	-0.2	13+60	2.0	+0.3
	2.5	—		2.1	+0.2
(2.3)	2.5	—	(2.3)	2.1	—
	2.5	—		2.1	—
12+00	2.5	—	14+00	2.2	+0.1
	2.5	—		2.5	-0.2
	2.5	—		2.5	—
	2.5	—		2.5	—
	2.5	—		2.5	—
50	2.5	—	50	2.5	—
	2.5	—	(2.3)	2.5	—
	2.5	—	(2.2)	2.5	-0.3
	2.5	—		2.5	—
	2.4	-0.1		2.7	-0.5
13+00	2.4	—	15+00	3.1	-0.9
	2.3	0.0		4.0	-1.8
	2.2	+0.1		5.0	-2.8
	2.2	—		5.5	-3.3
	2.1	+0.2		5.8	-3.6
13+50	2.0	+0.3	15+50	6.1	-3.9

STA-N-132+00

4-9-18

PX (52)

DIST	SOUND		DIST	SOUND	
15+60	6.5	-4.3	17+60	2.5	-0.3
14:55	6.7	-4.5		2.8	-0.6
	7.0	-4.8		3.0 ~~2.0~~	-0.8
(2.2)	7.3	-5.1	(2.2)	5.0	-2.8
16+00	7.4	-5.2	18+00	6.7	-4.5
	7.4	—		7.7	-5.1
	7.5	-5.3		7.8	-5.6
	7.4	-5.2		8.6	-6.4
	7.0	-4.8		8.6	—
50	6.5	-4.3	50	7.5	-5.3
	5.4	-3.2		6.8	-4.6
	4.0	-1.8		6.5	-4.3
	3.1	-0.9		5.8	-3.6
	2.7	-0.5		5.2	-3.0
17+00	2.7	—	19+00	4.1	-1.9
	2.8	-0.6		2.8	-0.6
	2.8	—	19+20	2.0	+0.2
	3.5	-1.3			
	3.3	-1.1			
17+50	2.8	-0.6	15:00 19+50		

1-21-18

STA-126+00

0+00 = STA-126+00 "FGH" B/L: SOUND WEST AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	5.5	-0.3	1+80	5.5	-0.3
+10	5.5	—		5.7	-0.5
08:58	5.5	—	2+00	5.7	—
	5.5	—		5.8	-0.6
	5.5	—		5.7	-0.5
50	5.5	—		5.7	—
	5.5	—	(5.2)	5.7	—
(5.2)	5.5	—	50	5.8	-0.6
	5.5	—		5.8	—
09:00	5.5	—		5.9	-0.7
1+00	5.5	—		5.9	—
	5.5	—		6.1	-0.9
	5.7	-0.5	3+00	6.1	—
	5.7	—		6.2	-1.0
	5.7	—		6.2	—
50	5.7	—		6.1	-0.9
	5.5	-0.3		6.0	-0.8
1+70	5.5	—	3+50	5.9	-0.7

STA-126+00

1-21-18

DIST	SOUND		DIST	SOUND	
3+60	5.8	-0.6	5+60	5.4	-0.1
	5.8	—		5.5	-0.2
	5.7	-0.5		5.4	-0.1
	5.7	—		5.4	—
4+00	5.7	—	6+00	5.4	—
	5.7	—		5.4	—
(5.2)	5.8	-0.6		5.4	—
	5.7	-0.5		5.1	+0.2
	5.7	—	(5.3)	5.1	—
50	5.7	—	50	5.1	—
09:03	5.5	-0.3		5.1	—
	5.6	-0.4		5.1	—
	5.4	-0.1		5.1	—
(5.3)	5.4	—	09:05	5.1	—
5+00	5.5	-0.2	7+00	5.1	—
	5.4	-0.1		5.1	—
	5.4	—		5.1	—
	5.4	—		5.1	—
	5.4	—		5.1	—
5+50	5.4	—	7+50	5.1	—

STA-126+00 4-21-48

DIST	SOUND		DIST	SOUND	
7+60	5.1	+0.2	9+60	5.2	+0.1
	5.1	—		5.2	—
	5.1	—		5.1	+0.2
	5.1	—		5.1	—
8+00	5.1	—	10+00	5.0	+0.3
	5.5	-0.2		5.0	—
	5.3	0.0	09:08	5.0	—
(5.3)	5.1	+0.2		5.3	0.0
	5.1	—	(5.3)	5.4	-0.1
50	5.1	—	50	5.1	+0.2
	5.1	—		5.1	—
	5.1	—		5.1	—
	5.0	+0.3		5.0	+0.3
	5.0	—		5.0	—
9+00	5.0	—	11+00	5.1	+0.2
	5.1	+0.2		5.0	+0.3
	5.1	—		5.0	—
	5.2	+0.1		5.0	—
	5.2	—		5.0	—
9+50	5.2	—	11+50	5.0	—

STA-126+00 4-21-48

DIST	SOUND		DIST	SOUND	
11+60	5.0	+0.3	13+60	4.1	+1.2
	5.0	—		3.9	+1.4
	4.9	+0.4		3.5	+1.8
	4.9	—		3.4	+1.9
12+00	4.9	—	14+00	3.4	—
	4.9	—		3.4	—
	4.9	—		3.2	+2.1
(5.3)	4.9	—		3.1	+2.2
	4.9	—	(5.3)	3.0	+2.3
50	5.3	0.0	50	3.0	—
09:10	5.2	+0.1		2.9	+2.4
	5.1	+0.2		2.9	—
	5.0	+0.3		2.9	—
	5.2	+0.1		2.9	—
13+00	5.2	—	15+00	3.6	+1.7
	5.0	+0.3		5.0	+0.3
	4.8	+0.5		5.3	0.0
	4.8	—		6.8	-1.5
	4.6	+0.7		7.4	-2.1
13+50	4.4	+0.9	15+50	8.2	-2.9

4-21-98

STA-126+00

DIST	SOUND		DIST	SOUND
15+60	8.8	-3.5		
PX	8.8	—		
09:13	8.2	-2.9		
	8.8	-3.5		
16+00	8.6	-3.3		
	8.7	-3.4		
	8.7	—		
(5.3)	8.6	-3.3		
	8.8	-2.7		
50	8.0	—		
	8.0	—		
	8.4	-3.1		
	8.0	-2.7		
	5.7	-0.4		
17+00	4.4	+0.9		
09:15				

4-21-98

STA-127+00

0+00=STA-127+00 "EGH" B/L: SOUND WEST AT 90° TO B/L.

PX

DIST	SOUND		DIST	SOUND	
0+00	5.6	-0.3	1+80	6.0	-0.7
+10	5.5	-0.2		6.0	—
09:25	5.5	—	2+00	6.0	—
	5.5	—		6.1	-0.8
	5.6	-0.3		6.2	-0.9
50	5.6	—	09:28	6.0	-0.7
	5.6	—		6.0	—
(5.3)	5.6	—	50	6.4	-1.1
	5.7	-0.4	(5.3)	6.4	—
	5.7	—		6.5	-1.2
1+00	5.7	—		6.6	-1.3
	5.8	-0.5		6.8	-1.5
	5.8	—	3+00	6.8	—
	5.6	-0.3		6.7	-1.4
	5.6	—		6.8	-1.5
50	5.7	-0.4		6.8	—
	5.6	-0.3		6.9	-1.6
1+70	5.7	-0.4	3+50	6.9	—

STA-127+00 1-21-18

DIST	SOUND		DIST	SOUND	
3+80	6.8	-1.5	5+60	6.0	-0.7
	6.8	—		6.0	—
	6.8	—		5.9	-0.6
	6.5	-1.2		5.9	—
4+00	6.7	-1.4	6+00	5.9	—
	6.7	—		5.8	-0.5
09:30	6.7	—		5.6	-0.3
	6.7	—		5.6	—
	6.7	—		5.5	-0.2
50	6.6	-1.3	50	5.5	—
5.3	6.5	-1.2		5.5	—
	6.4	-1.1	5.3	5.4	-0.1
	6.4	—		5.4	—
	6.4	—		5.3	0.0
5+00	6.4	—	7+00	5.3	—
	6.3	-1.0		5.3	—
	6.3	—		5.3	—
	6.2	-0.9		5.3	—
	6.1	-0.8		5.3	—
5+50	6.1	—	7+50	5.3	—

STA-127+00 1-21-18

DIST	SOUND		DIST	SOUND	
7+60	5.3	0.0	9+60	5.4	-0.1
	5.2	+0.1		5.4	—
	5.2	—		5.4	—
	5.2	—		5.4	—
8+00	5.2	—	10+00	5.3	0.0
	5.2	—	09:35	5.2	+0.1
	5.2	—		5.2	—
5.3	5.4	-0.1		5.2	—
	5.4	—	5.3	5.2	—
50	5.4	—	50	5.2	—
	5.4	—		5.2	—
	5.4	—		5.2	—
	5.4	—		5.2	—
	5.4	—		5.2	—
9+00	5.5	-0.2	11+00	5.1	+0.2
	5.4	-0.1		5.0	+0.3
	5.4	—		5.1	+0.2
	5.4	—		5.1	—
	5.4	—		5.1	—
9+50	5.4	—	11+50	5.1	—

STA-127+00 — 4-21-18

DIST	SOUND		DIST	SOUND	
11+68 PX	5.3	0.0	13+60	4.5	+0.8
	5.3	—		4.5	—
	5.1	+0.2		4.6	+0.7
	5.0	+0.3		4.5	+0.8
12+00	5.0	—	14+00	4.7	+0.6
	5.0	—		4.8	+0.5
	5.0	—		4.5	+0.8
(5.3)	5.0	—	(5.3)	4.2	+1.1
	5.0	—		4.0	+1.3
50	5.0	—	50	4.0	—
	5.0	—		3.8	+1.5
	5.0	—		3.8	—
	4.9	+0.4		3.6	+1.7
	5.0	+0.3		3.5	+1.8
13+00	5.0	—	15+00	3.4	+1.9
	5.0	—		3.1	+2.2
	5.1	+0.2		3.0	+2.3
	5.0	+0.3		3.0	—
	4.9	+0.4		3.0	—
13+50	4.7	+0.6	15+50	4.0	+1.3

STA-127+00 — 4-21-18 — (57)

DIST	SOUND		DIST	SOUND	
15+60	4.9	+0.4	17+60	2.8	+2.5 PX
09:40	6.5	−1.2		2.6	+2.7
	8.5	−3.2	(5.3)	2.5	+2.8
	8.5	—		2.5	—
16+00	8.7	−3.4	18+00	2.2	+3.1
	8.7	—	09:43		
	8.0	−2.7			
(5.3)	7.8	−2.5			
	7.8	—			
50	8.1	−2.8			
	8.7	−3.0			
	8.8	−3.5			
	8.8	—			
	8.9	−3.6			
17+00	9.2	−3.9			
	9.4	−4.1			
	9.0	−3.7			
	7.1	−1.8			
	4.0	+1.3			
17+50	3.1	+2.2			

7-21-78

STA. 134+00

0+00 = STA. 134+00 "EGH" B/L: SOUND WEST AT 90° T. B/L.

DIST	SOUND		DIST	SOUND	
0+00	7.2	-1.9	1+80	7.0	-1.7
+10	7.3	-2.0		7.0	—
09:58	7.5	-2.2	2+00	7.0	—
	7.3	-2.0		6.9	-1.6
	7.2	-1.9		6.8	-1.5
50	7.3	-2.0		6.8	—
(5.3)	7.3	—	(5.3)	6.8	—
	7.2	-1.9	50	6.8	—
	7.2	—		6.8	—
	7.1	-1.8	10:00	6.8	—
1+00	7.1	—		6.8	—
	7.1	—		6.8	—
	7.1	—	3+00	6.8	—
	7.1	—		6.9	-1.6
	7.0	-1.7		6.9	—
50	7.0	—		6.9	—
	7.0	—		7.0	-1.7
1+70	7.0	—	3+50	7.0	—

DIST	SOUND		DIST	SOUND	
3+60	7.0	-1.7	5+60	7.0	-1.7
	7.0	—		7.0	—
	7.1	-1.8		7.0	—
	7.0	-1.7		7.0	—
4+00	7.0	—	6+00	7.0	—
	7.0	—		7.0	—
	7.0	—		7.0	—
(5.3)	7.0	—		7.0	—
	7.0	—	(5.3)	6.9	-1.6
50	7.0	—	50	6.9	—
	7.0	—		6.9	—
	7.0	—		6.9	—
	7.0	—		7.0	-1.7
	7.0	—		7.0	—
5+00	7.0	—	7+00	6.9	-1.6
	7.0	—		6.9	—
	7.0	—		6.8	-1.5
10:03	7.0	—		6.8	—
	7.0	—		6.9	-1.6
5+50	7.0	—	7+50	6.9	—

STA - 134+00 — 4-21-18

DIST	SOUND		DIST	SOUND	
9+60	6.9	-1.6	9+60	6.7	-1.4
	7.0	-1.7		6.7	—
	7.0	—		6.7	—
10:05	7.0	—		6.7	—
8+00	7.0	—	10+00	6.7	—
	7.0	—		6.7	—
	7.0	—		6.6	-1.3
(5.3)	7.0	—		6.6	—
	6.9	-1.6	(5.3)	6.6	—
50	6.9	—	50	6.6	—
	6.9	—		6.6	—
	6.9	—		6.5	-1.2
	6.9	—		6.7	-1.4
	6.9	—		6.5	-1.2
9+00	6.8	-1.5	11+00	6.5	—
	6.8	—		6.4	-1.1
	6.8	—		6.4	—
	6.8	—	10:08	6.4	—
	6.7	-1.4		6.4	—
9+50	6.7	—	11+50	6.4	—

STA - 134+00 — 4-21-18 — (59)

DIST	SOUND		DIST	SOUND	
11+60	6.4	-1.2	13+60	6.0	-0.8
	6.3	-1.1	10:10	6.0	—
	6.2	-1.0		6.0	—
	6.1	-0.9		6.1	-0.9
12+00	6.1	—	14+00	6.1	—
	6.1	—		6.0	-0.8
	6.1	—		6.0	—
(5.2)	6.0	-0.8		6.0	—
	6.0	—	(5.2)	6.0	—
50	5.9	-0.7	50	7.1	-1.9
	5.9	—		8.3	-3.1
	5.9	—		8.8	-3.6
	5.9	—		9.4	-4.2
	5.9	—		9.4	—
13+00	6.0	-0.8	15+00	9.9	-4.7
	6.0	—		10.0	-4.8
	6.0	—		10.2	-5.0
	6.3	-1.1		10.8	-5.6
	6.4	-1.2		10.9	-5.7
13+50	6.3	-1.1	15+50	11.0	-5.8

STA-134+00 4-21-48

DIST	SOUND		DIST	SOUND	
15+60	11.0	-5.8	17+60	9.1	-4.0
	11.0	—		9.1	—
	11.4	-6.2		9.2	-4.1
	11.0	-5.8		9.1	-4.0
16+00	10.7	-5.5	18+00	9.3	-4.2
	10.4	-5.2		9.3	—
	10.1	-4.9		9.8	-4.7
(5.2)	10.0	-4.8		10.5	-5.4
	9.8	-4.6	(5.1)	10.2	-5.1
50	9.3	-4.1	50	10.2	—
	9.1	-3.9		10.0	-4.9
	9.4	-4.2		9.4	-4.3
	9.3	-4.1	10:15	9.0	-3.9
10:13	9.0	-3.8		9.0	—
17+00	9.0	-3.9	19+00	8.8	-3.7
	9.0	—		8.4	-3.3
(5.1)	9.0	—		8.0	-2.9
	9.0	—		8.5	-3.4
	9.7	-4.6		5.7	-0.6
17+50	9.7	—	50	5.0	+0.1

STA-134+00 4-21-48 (60)

DIST	SOUND	
19+60	4.4	+0.7
	4.0	+1.1
(5.1)	3.2	+1.9
	2.7	+2.4
20+00	2.0	+3.1
10:18		

4-21-48

STA-136+00

0+00=STA-136+00 "EGH" B/L: SOUND WEST AT 90° T.B/L

DIST	SOUND		DIST	SOUND	
0+00	6.8	-1.9	1+80	6.5	-1.6
+10	6.8	—		6.5	—
10:30	6.8	—	2+00	6.6	-1.7
	6.8	—		6.6	—
	6.7	-1.8		6.6	—
50	6.7	—	(4.9)	6.6	—
(4.9)	6.5	-1.6		6.7	-1.8
	6.5	—	50	6.7	—
	6.5	—		6.6	-1.7
	6.5	—		6.6	—
1+00	6.5	—		6.6	—
	6.5	—		6.5	-1.6
	6.5	—	3+00	6.5	—
	6.5	—		6.5	—
	6.5	—		6.5	—
50	6.5	—		6.7	-1.8
	6.5	—		6.7	—
1+70	6.5	—	3+50	6.6	-1.7

STA-136+00

4-21-48

(61)

DIST	SOUND		DIST	SOUND	
3+60	6.6	-1.7	5+60	6.5	-1.6
	6.6	—		6.5	—
	6.5	-1.6		6.5	—
	6.5	—		6.5	—
	6.5	—	6+00	6.5	—
4+00	6.5	—		6.5	—
10:35	6.5	—		6.5	—
	6.5	—		6.5	—
(4.9)	6.5	—	(4.9)	6.5	—
	6.5	—		6.5	—
50	6.5	—	50	6.5	—
	6.5	—		6.5	—
	6.5	—		6.4	-1.5
	6.5	—		6.5	-1.6
	6.5	—		6.5	—
5+00	6.5	—	7+00	6.5	—
	6.4	-1.5	10:38	6.5	—
	6.4	—		6.5	—
	6.4	—		6.5	—
	6.4	—		6.6	-1.7
5+50	6.5	-1.6	7+50	6.5	-1.6

STA-136+00 7-21-48

DIST	SOUND		DIST	SOUND	
7+60	6.5	-1.7	9+60	6.5	-1.7
	6.5	—		6.4	-1.6
	6.4	-1.6		6.3	-1.5
	6.4	—		6.3	—
8+00	6.4	—	10+00	6.3	—
	6.5	-1.7		6.3	—
	6.4	-1.6		6.3	—
	6.3	-1.5		6.3	—
4.8	6.3	—	4.8	6.3	—
50	6.4	-1.6	50	6.2	-1.4
	6.3	-1.5		6.2	—
	6.3	—		6.1	-1.3
	6.3	—		6.1	—
	6.3	—		6.1	—
9+00	6.3	—	11+00	6.1	—
	6.3	—		6.1	—
	6.4	-1.6		6.1	—
	6.5	-1.7		6.1	—
	6.4	-1.6		6.1	—
9+50	6.4	—	11+50	6.1	—

STA-136+00 7-21-48

DIST	SOUND		DIST	SOUND	
11+60	6.1	-1.3	13+60	6.0	-1.2
	6.1	—		5.9	-1.1
10:12	6.0	-1.2		5.9	—
	6.0	—		5.9	—
12+00	6.1	-1.3	14+00	6.2	-1.4
	6.1	—		6.0	-1.2
	6.1	—		5.7	-0.9
4.8	6.1	—		5.5	-0.7
	6.1	—	4.8	5.3	-0.5
50	6.1	—	50	5.2	-0.4
	6.0	-1.2		5.3	-0.5
	6.0	—		5.5	-0.7
	6.0	—		6.8	-2.0
	6.0	—		7.2	-2.4
13+00	6.0	—	15+00	8.0	-3.2
	6.0	—	10:15	8.4	-3.6
	6.0	—		9.5	-4.7
	6.0	—		9.8	-5.0
	6.0	—		9.8	—
13+50	6.0	—	15+50	9.8	—

4-21-48

STA-136+00

DIST	SOUND		DIST	SOUND	
15+60	9.8	-5.0	17+60	8.0	-3.3
	10.5	-5.7		8.3	-3.6
	10.4	-5.6	10:48	7.7	-3.0
	10.4	—		7.0	-2.3
16+00	10.4	—	18+00	6.0	-1.3
	10.2	-5.4		5.1	-0.4
	10.0	-5.2		4.8	-0.1
(4.8)	9.0	-4.2		4.2	+0.5
	8.7	-3.9	(4.7)	4.0	+0.7
50	8.4	-3.6	50	4.0	—
	8.0	-3.2		3.9	+0.8
	7.9	-3.1		4.1	+0.6
	7.0	-2.2		5.9	-1.2
	6.8	-2.0		6.7	-2.0
17+00	6.7	-1.9	19+00	6.8	-2.1
	6.8	-2.0		6.8	—
	7.0	-2.2		7.0	-2.3
	7.9	-2.1		6.7	-2.0
	8.0	-3.2	10:50	6.0	-1.3
17+50	8.0	—	19+ 50 60 70	4.0 2.7 1.8	+0.7 +2.0 +2.9

4-21-48 (63)

STA-135+00

0+00 = STA-135+00 "FGN" B/L: SOUND WEST AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	6.7	-2.2	1+80	6.2	-1.7
+10	6.5	-2.0		6.2	—
11:05	6.3	-1.8	2+00	6.2	—
	6.4	-1.9		6.2	—
	6.2	-1.7		6.2	—
50	6.2	—		6.1	-1.6
	6.2	—	(4.5)	6.1	—
(4.5)	6.2	—	50	6.1	—
	6.4	-1.9		6.1	—
	6.4	—		6.1	—
1+00	6.4	—		6.1	—
	6.3	-1.8		6.1	—
	6.3	—	3+00	6.1	—
	6.3	—		6.1	—
	6.3	—		6.1	—
50	6.3	—		6.1	—
	6.3	—		6.1	—
1+70	6.2	-1.7	3+50	6.1	—

STA-135+00 — 7-21-18

DIST	SOUND		DIST	SOUND	
3+60	6.1	-1.6	5+60	6.1	-1.6
11:08	6.1	—		6.1	
	6.1	—		6.1	
	6.1	—		6.1	
4+00	6.1	—	6+00	6.1	
	6.1	—		6.1	
	6.1	—	11:10	6.1	
(4.3)	6.1	—		6.1	
	6.2	-1.7	(4.5)	6.1	
50	6.1	-1.6	50	6.1	
	6.1	—		6.1	
	6.1	—		6.1	
	6.1	—		6.1	
	6.1	—		6.1	
5+00	6.1	—	7+00	6.1	
	6.1	—		6.1	
	6.1	—		6.1	
	6.1	—		6.1	
	6.1	—		6.1	
5+50	6.1	—	7+50	6.1	-1.6

STA-135+00 — 7-21-18 — (64)

DIST	SOUND		DIST	SOUND	
7+60	6.1	-1.6	9+60	6.1	-1.6
	6.1			6.1	—
	6.1		(4.5)	6.1	—
	6.1			6.1	—
8+00	6.1		10+00	6.0	-1.5
	6.1			6.0	—
	6.1		11:13	6.0	-1.6
(4.3)	6.1			6.0	—
	6.1		(4.4)	6.0	—
50	6.1	-1.6	50	6.0	—
	6.2	-1.7		6.0	—
	6.2	—		6.0	—
	6.1	-1.6		5.9	-1.5
	6.1	—		5.9	—
9+00	6.1	—	11+00	6.0	-1.6
	6.1	—		6.0	—
	6.1	—		5.9	-1.5
	6.1	—		5.9	—
	6.1	—		5.9	—
9+50	6.1	—	11+50	5.7	-1.3

STA-135+00 — 7-21-98

DIST	SOUND		DIST	SOUND	
11+60	5.5	-1.1	13+60	5.5	-1.1
	5.1	-1.0		5.5	—
	5.5	-1.1		5.5	—
	5.5	—		5.5	—
12+00	5.5	—	14+00	5.6	-1.2
	5.5	—		6.9	-2.5
(4.4)	5.5	—		7.4 / 6.4	-3.0
11:15	5.5	—	(4.4)	8.0	-3.6
	5.5	—		8.2	-3.8
50	5.4	-1.0	50	8.2	—
	5.4	—		8.8	-4.4
	5.1	—		9.3	-4.9
	5.4	—		9.7	-5.3
	5.5	-1.1		9.9	-5.5
13+00	5.5	—	15+00	10.1	-5.7
	5.5	—		10.1	—
	5.5	—		10.1	—
	5.5	—		10.1	—
	5.5	—		10.1	—
13+50	5.5	—	15+50	10.0	-5.6

STA-135+00 — 7-21-98 — (65)

DIST	SOUND		DIST	SOUND	
15+60	10.0	-5.6	17+60	8.9	-4.6
	10.0	—		8.7	-4.4
(4.4)	9.8	-5.4		8.8	-4.5
	9.6	-5.2	11:20	9.4	-5.1
16+00	9.4	-5.0	18+00	9.4	—
11:18	9.1	-4.7		9.9	-5.4
	9.5	-5.2		9.4	-5.1
	9.5	—		9.4	—
	9.1	-4.8		8.7	-4.4
50	9.0	-4.7	50	7.5	-3.2
	8.8	-4.5		6.0	-1.7
	8.5 / 7.5	-4.2	(4.3)	6.0	—
(4.3)	8.0	-3.7		6.7	-2.4
	8.0	—		6.8	-2.5
17+00	7.8	-3.5	19+00	7.0	-2.7
	7.5	-3.2		6.8	-2.5
	7.8	-3.5		6.8	—
	8.0	-3.7		6.5	-2.2
	8.5	-4.2		6.0	-1.7
			50	5.3	-1.0
			60	3.8	+0.5
			19+70	2.5	+1.8
17+50	8.8	-4.5	11:23		

STA-133+00

0+00=STA-133+00 "FGH" B/L: SOUND WEST AT 90° TO B/L

DIST	SOUND		DIST	SOUND	
0+00	6.4	-2.4	1+80	5.8	-1.8
+10	6.4	—		5.8	—
11:39	6.4	—	2+00	5.7	-1.7
	6.4	—		5.7	—
	6.4	—		5.6	-1.6
50	6.4	—		5.6	—
	6.3	-2.3	4.0	5.7	-1.7
4.0	6.2	-2.2	50	5.7	—
	6.2	—		5.7	—
	6.2	—		5.7	—
	6.2	—		5.7	—
1+00	6.2			5.7	—
	6.1	-2.1		5.7	—
	6.0	-2.0	3+00	5.7	—
	6.0	—		5.7	—
	5.9	-1.9		5.7	—
50	5.9	—		5.7	—
	5.9	—		5.7	—
1+70	5.9	—	3+50	5.8	-1.8

STA-133+00 4-21-78 (66)

DIST	SOUND		DIST	SOUND	
3+60	5.8	-1.8	5+40	5.7	-1.7
	5.8	—		5.7	—
	5.7	-1.7		5.7	—
11:42	5.7	—		5.7	—
4+00	5.7	—	6+00	5.5	-1.5
	5.7	—		5.5	—
	5.7	—		5.5	—
4.0	5.7	—	4.0	5.5	—
	5.7	—		5.4	-1.4
50	5.7	—	50	5.4	—
	5.7	—		5.4	—
	5.7	—		5.5	-1.5
	5.8	-1.8		5.5	—
	5.9	-1.9		5.5	—
5+00	5.9	—	7+00	5.5	—
	5.9	—		5.5	—
	5.9	—		5.5	—
	5.9	—		5.5	—
	5.8	-1.8		5.6	-1.6
5+50	5.8	—	7+50	5.7	-1.7

STA - 133+00 4-21-18

DIST	SOUND		DIST	SOUND	
7+60	5.6	-1.7	9+60	5.1	-1.2
	5.6	—		5.1	—
	5.6	—		5.1	—
	5.6	—		5.1	—
8+00	5.5	-1.6	10+00	5.1	—
	5.5	—		5.1	—
3.9	5.6	-1.7		5.0	-1.1
	5.5	-1.6		4.9	-1.0
11:45	5.5	—	3.9	4.9	—
50	5.5	—	50	4.9	—
	5.5	—		4.9	—
	5.5	—		4.9	—
	5.5	—		4.9	—
	5.5	—		4.9	—
9+00	5.5	—	11+00	4.9	—
	5.5	—		4.9	—
	5.5	—		4.9	—
	5.4	-1.5		4.8	-0.9
	5.3	-1.4		4.8	—
9+50	5.1	-1.2	11+50	4.8	—

STA - 133+00 4-21-18 (67)

DIST	SOUND		DIST	SOUND	
11+60	4.8	-0.9	13+60	4.2	-0.3
	4.7	-0.8		4.2	—
	4.8	-0.9		4.3	-0.4
	5.0	-1.1		4.4	-0.5
12+00	5.0	—	14+00	4.4	—
	4.8	-0.9		4.4	—
3.9	4.8	—		4.4	—
	4.8	—	3.9	4.5	-0.6
	4.5	-0.6		4.5	—
50	4.5	—	50	4.6	-0.7
11:48	4.5	—		5.0	-1.1
	4.3	-0.4		6.0	-2.1
	4.1	-0.2		6.6	-2.7
	4.0	-0.1		6.9	-3.0
13+00	4.0	—	15+00	7.0	-3.1
	4.6	-0.7	11:50	7.0	—
	4.4	-0.5		8.1	-4.2
	4.2	-0.3		8.0	-4.1
	4.2	—		8.2	-4.3
		—			—
13+50	4.2		15+50	8.2	

STA - 133+00 4-21-48

DIST	SOUND		DIST	SOUND	
15+60	8.7	-4.9	17+60	6.2	-2.4
	8.7	—		6.0	-2.2
	8.5	-4.7		5.2	-1.4
	8.8	-5.0		4.6	-0.8
16+00	8.7	-4.9	18+00	4.8	-1.0
	8.5	-4.7		5.3	-1.5
	8.2	-4.4	11:53	7.0	-3.2
3.8	8.2	—		8.8	-5.0
	8.1	-4.3	3.8	9.5	-5.7
50	8.0	-4.2	50	9.5	—
	7.5	-3.7		9.5	—
	6.9	-3.1		9.0	-5.2
	6.7	-2.9		7.0	-3.2
	6.5	-2.7		6.1	-2.3
17+00	6.2	-2.4	19+00	5.4	-1.6
	6.5	-2.7		4.8	-1.0
	6.8	-3.0		4.4	-0.6
				3.9	-0.1
	7.0	-3.2		3.2	+0.6
			50	2.8	+1.0
	7.0	—	60	2.4	+1.4
			19+20	2.0	+1.8
17+50	6.7	-2.9	11:55		

STA - 130+00 4-21-48 (68)

0+00 = STA 130+00 ON WEST SHORE B/L: SOUND DUE EAST

DIST	SOUND		DIST	SOUND	
67					
0+~~80~~	0.0	+2.5	2+60	2.5	0.0
+80	0.7	+1.8		2.5	—
90	1.2	+1.3		2.1	+0.4
1+00	1.8	+0.7		2.5	0.0
13:22	1.8	—	3+00	1.5	+1.0
	2.0	+0.5		1.5	—
2.5	2.9	-0.4		1.6	+0.9
	4.1	-1.6		2.0	+0.5
50	5.0	-2.5	2.5	2.6	-0.1
	6.4	-3.9	50	3.4	-0.9
	6.9	-4.2		3.9	-1.4
	7.7	-5.2		4.2	-1.7
	7.5	-5.0		4.9	-2.4
2+00	7.5	-5.0		8.0	-5.5
13:25	~~7.4~~ 6.4	-4.1	4+00	9.1	-6.6
	~~7.4~~ 6.4	—		8.2	-5.7
	6.1	-3.6	13:28	7.1	-4.6
	4.0	-1.5		5.0	-2.5
2+50	2.5	0.0	4+10	3.0	-0.5

STA-130+00-N 7-21-98

DIST	SOUND		DIST	SOUND
4+50	1.9	+0.5		
	1.8	+0.6		
	1.8	—		
	2.0	+0.4		
	2.0	—	(1.7)	14:25
5+00	2.0	—		
	2.0	—		
	2.0	—		
(2.4)	2.2	+0.2		
	2.2	—		
50	2.3	+0.1		
	2.2	+0.2		
	2.2	—		
	2.3	+0.1		
	2.2	+0.2		
6+00	2.2	—		
13:30				

ORIGINAL

RAPPAGAN SWEPPER STANLEY 7-23-98

(69)

SOUNDINGS OF PROJECT #9 - N-123+00 B/L.

STA-190+00

0+00 = STA-W-190+00 - N-123+00 : SOUND SOUTH

DIST	SOUND		DIST	SOUND	
0+00	3.4	+0.7	1+70	3.9	+0.2
+10	3.7	—		3.9	—
12:58	3.7	—	13:00	3.9	—
	3.5	+0.6	2+00	3.9	—
(4.1)	3.7	+0.7	(4.1)	3.9	—
50	3.5	+0.6		3.9	—
	3.5	—		4.0	+0.1
	3.6	+0.5		4.0	—
	3.6	—	50	4.1	0.0
	3.6	—		4.4	-0.3
1+00	3.8	+0.3		4.4	—
	3.8	—		6.0	-1.9
	3.8	—		6.8	-2.7
	3.8	—	3+00	6.7	-2.6
	3.8	—		8.7	-4.6
50	3.8	—		10.5	-6.4
1+60	3.9	+0.2	3+30	11.3	-7.4

4-23-98

STA-190+00

DIST	SOUND		DIST	SOUND
3+40	11.7	-7.6		
50	11.5	-7.4		
	11.4	-7.3		
(4.1)	11.6	-7.5		
	11.5	-7.4		
	11.5	—		
4+00	11.5	—		

13:04

PX

4-23-98

(70)

PX

STA-191+00W

0+00=STA-W-191+00-N-123+00 ; SOUND SOUTH

DIST	SOUND		DIST	SOUND	
0+00	3.4	+0.6	1+80	11.4	-7.4
+10	3.4	—		11.3	-7.3
13:08	3.4	—	2+00	11.2	-7.2
	3.4	—		11.2	—
(4.0)	3.4	—	(4.0)	11.2	—
50	3.4	—	13:10	11.3	-7.3
	3.4	—		11.3	—
	3.4	—	50	11.4	-7.4
	3.4	—		11.5	-7.5
	3.4	—		11.5	—
1+00	3.4	—		11.4	-7.4
	3.5	+0.5		11.5	-7.5
	3.6	+0.4	3+00	11.5	—
	3.8	+0.2			
	4.0	0.0			
50	6.4	-2.4			
	9.1	-5.1			
1+70	10.8	-6.8			

4-23-48

DX STA- W-192+00

0+00=STA-W-192+00-N-123+00 : SOUND SOUTH

DIST	SOUND		DIST	SOUND	
0+00	3.3	+0.5	1+80	12.2	-8.4
+10	3.3	—	(3.8)	12.0	-8.2
13:17	3.3	—	2+00	11.9	-8.1
(3.8)	3.2	+0.6			
	3.3	+0.5			
50	3.3	—			
	3.3	—			
	3.3	—			
	3.6	+0.2			
	7.2	-3.4			
1+00	7.0	-3.2			
	12.1	-8.3			
	12.4	-8.6			
	12.5	-8.7			
	12.7	-8.9			
50	12.8	-9.0			
	12.6	-8.8			
1+70	12.4	-8.6			

4-23-48 (71)

PX STA-193+00-W

0+00=STA-W-193+00-N-123+00 : SOUND SOUTH

DIST	SOUND		DIST	SOUND
0+00	3.3	+0.5		
+10	3.3	—		
13:20	3.3	—		
	3.3	—		
(3.8)	4.0	+0.2		
50	7.5	-3.7		
	11.2	-7.4		
	11.5	-7.7		
	11.4	-7.6		
	11.4	—		
1+00	11.4	—		
	11.4	—		
	11.3	-7.5		
	11.3	—		
	11.7	-7.9		
50	11.9	-8.1		
1+60	11.9	-8.1		

PY STA-W-194+00

0+00 = STA-W-194+00-N-123+00 : SOUND SOUTH

DIST	~~3.0~~	~~+0.8~~			
0+00	3.0	—	1+80	11.2	-7.4
	3.0	—		10.9	-7.1
13:26	3.0	—	2+00	10.0	-6.2
	3.0	—	(3.8)		
(3.8)	3.5	+0.3			
50	7.8	-4.0			
	10.6	-6.8			
	10.8	-7.0			
	10.8	—			
	11.5	-7.7			
1+00	12.0	-8.2			
	11.8	-8.0			
	11.7	-7.9			
	11.6	-7.8			
	11.8	-8.0			
50	11.4	-7.6			
	11.0	-7.2			
1+70	11.2	-7.4			

PY STA-W-195+00

0+00 = STA-W-195+00-N-123+00 : SOUND SOUTH.

DIST	SOUND		DIST	SOUND	
0+00	2.8	+0.9	1+80	12.0	-8.3
+10	2.8	—		12.0	—
	2.8	—	2+00	12.0	—
13:33	2.8	—			
	2.8	—			
50	3.2	+0.5	(3.7)		
(3.7)	8.1	-4.4			
	10.3	-6.6			
	10.7	-7.0			
	10.4	-6.7			
1+00	10.5	-6.8			
	10.8	-7.1			
	10.8	—			
	10.8	—			
	11.0	-7.3			
50	11.5	-7.8			
	11.8	-8.1			
1+70	12.0	-8.3			

4-23-48

PK STA-W-196+00

0+00 = STA-W-196+00-N-123+00; SOUND SOUTH

DIST	SOUND		DIST	SOUND	
0+00	2.8	+0.8	1+80	10.6	-7.0
+10	2.8	—		11.1	-7.5
	2.8	—	2+00	11.5	-7.9
13:38	2.7	+0.9		11.8	-8.2
(3.6)	2.6	+1.0	(3.6)	11.8	—
50	2.8	+0.8		11.8	—
	4.9	-1.3		11.8	—
	9.2	-5.6	50	11.7	-8.1
	10.5	-6.8			
	10.4	-6.8			
1+00	10.4	—			
	10.5	-6.9			
	10.4	-6.8			
	10.4	—			
	10.4	—			
50	10.4	—			
	10.5	-6.9			
1+20	10.7	-7.1			

4-23-48 (73)

PK STA-W-197+00

0+00 = STA-W-197+00-N-123+00; SOUND SOUTH

DIST	SOUND		DIST	SOUND	
0+00	2.2	+1.3	1+80	11.0	-7.5
+10	2.2	—		11.0	—
	2.2	—	2+00	11.1	-7.6
13:45	2.1	+1.4			
	2.2	+1.3			
50	2.2	—			
(3.5)	2.4	+1.1	(3.5)		
	2.1	-3.6			
	10.0	-6.5			
	10.9	-7.4			
1+00	10.9	—			
	11.0	-7.5			
	10.9	-7.4			
	11.0	-7.5			
	11.1	-7.6			
50	11.1	—			
	11.0	-7.5			
1+70	11.0	—			

PX

1-23-48

STA-W-198+00

0+00 = STA-W-198+00-N-123+00 : SOUND SOUTH.

DIST	SOUND		DIST	SOUND	
0+00	1.4	+2.0	1+80	11.2	- 7.8
+10	1.4	—		11.1	- 7.7
	1.1	+2.3	2+00	11.1	—
14:00	1.0	+2.4			
(3.4)	1.0	—	(3.4)		
50	1.4	+2.0			
	2.0	+1.4			
	4.5	- 1.1			
	10.0	- 6.6			
	11.1	- 7.7			
1+00	11.1	—			
	11.4	- 8.0			
	11.4	—			
	11.5	- 8.1			
	11.1	- 7.7			
50	11.1	—			
	11.2	- 7.8			
1+70	11.4	- 8.0			

PX

1-23-48

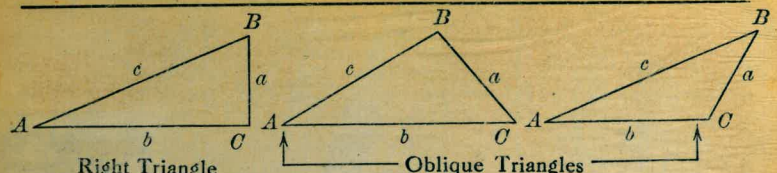
(74)

STA-199+00W

0+00 = STA-W-199+00-N-123+00 : SOUND SOUTH

DIST	SOUND		DIST	SOUND
0+00	6.5	- 3.4		
+10	6.5	—		
14:25	6.6	- 3.5		
	6.5	- 3.4		
(3.1)	6.5	—		
50	6.7	- 3.6		
	6.4	- 3.3		
	6.2	- 3.1		
	6.0	- 2.9		
	5.8	- 2.7		
1+00	6.1	- 3.0		
	6.6	- 3.5		
	7.2	- 4.1		
	2.0	- 5.9		
	9.8	- 6.7		
50	9.9	- 6.8		
	10.1	- 7.0		
1+90	10.1	- 7.0		

TRIGONOMETRIC FORMULÆ



Solution of Right Triangles

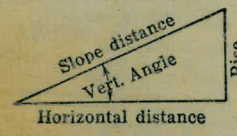
For Angle A. $\sin = \frac{a}{c}$, $\cos = \frac{b}{c}$, $\tan = \frac{a}{b}$, $\cot = \frac{b}{a}$, $\sec = \frac{c}{b}$, $\operatorname{cosec} = \frac{c}{a}$

Given	Required	
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	$B = 90° - A$, $b = a \cot A$, $c = \frac{a}{\sin A}$.
A, b	B, a, c	$B = 90° - A$, $a = b \tan A$, $c = \frac{b}{\cos A}$.
A, c	B, a, b	$B = 90° - A$, $a = c \sin A$, $b = c \cos A$,

Solution of Oblique Triangles

Given	Required	
A, B, a	b, c, C	$b = \frac{a \sin B}{\sin A}$, $C = 180° - (A + B)$, $c = \frac{a \sin C}{\sin A}$
A, a, b	B, c, C	$\sin B = \frac{b \sin A}{a}$, $C = 180° - (A + B)$, $c = \frac{a \sin C}{\sin A}$
a, b, C	A, B, c	$A + B = 180° - C$, $\tan \frac{1}{2}(A - B) = \frac{(a-b)\tan \frac{1}{2}(A+B)}{a+b}$, $c = \frac{a \sin C}{\sin A}$
a, b, c	A, B, C	$s = \frac{a+b+c}{2}$, $\sin \frac{1}{2}A = \sqrt{\frac{(s-b)(s-c)}{bc}}$, $\sin \frac{1}{2}B = \sqrt{\frac{(s-a)(s-c)}{ac}}$, $C = 180° - (A+B)$
a, b, c	Area	$s = \frac{a+b+c}{2}$, area $= \sqrt{s(s-a)(s-b)(s-c)}$
A, b, c	Area	area $= \frac{bc \sin A}{2}$
A, B, C, a	Area	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° 10′. From Table, Page IX. cos 5° 10′ = .9959. Horizontal distance = 319.4 × .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. Cosine 5° 10′ = .9959. 1 — .9959 = .0041. 319.4 × .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.