

MISSION BAY

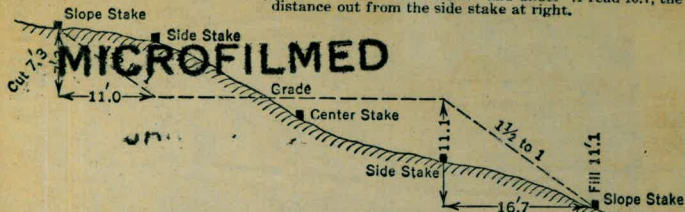
No. 21

LEVEL

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

Roadway of any Width. Side Slopes 1/2 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.



BOOK #2

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

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1-11	ORIGINAL SOUNDINGS OF PROPOSED EAST BAY CHANNEL SECT. "E" (BASIN)	8-25-47
11-12	SOUNDINGS ALONG W. SIDE OF N. CAUSEWAY BRIDGE: EAST BAY CHANNEL SECTION "A"	8-27-47
12	SOUNDINGS AT CENTER OF EACH SPAN OF N. CAUSEWAY BRIDGE BENT 35' 0/0	8-27-47
13-20	ORIGINAL SOUNDINGS - DE ANZA COVE PROJ 3-1	9-24-47
21-30	ORIGINAL SOUNDINGS SECT. "D" OF PROPOSED EAST BAY CHANNEL PROJ 3-1	9-26-47
32	LAPATERA ISLAND BASELINE	10-8-47
33-69	ORIGINAL SOUNDINGS LAPATERA ISLAND PROJECT # 3-1	10-10-47 10-15-47
77-78	X-SEC. OF EAST SLOPES - YACHT POOL	10-13-47

8-25-47

ORIGINAL SOUNDINGS OF
PROPOSED EAST BAY CHANNEL
SECTION "E" (BASIN)

Indexed

STA - 118119.47 TO 125169.12

ALL SECTIONS ARE AT 90° TO B/L.

RX *revised*

125+64.12

8-25-

RX
DIST SOUND

125+64.12

8-25-47

0

0+00=STA-125+64.12 ON 3/4: SOUND NORTH,

3+60 2.3 +1.1 5+60 1.8 +1.6

DIST SOUND DIST SOUND

2.3 1.8

0+00 2.5 +0.9 1+00 2.4 +1.0

2.3 1.8

09:55 2.6 +0.8 09:58 2.4

2.3 1.8 +1.6

2.6 +0.8 2+00 2.4

4+00 2.3 +1.1 6+00 1.7 +1.7

2.6 +0.8 2.4

2.2 +1.2 1.6 +1.8

2.5 +0.9 2.4

(3.4) 2.1 +1.3 10:05 1.6

50 2.5 (3.4) 2.4 +1.0

2.1 +1.3 1.6

2.5 +0.9 2.5

2.1 +1.3 1.6

(3.4) 2.5 50 2.5 +0.9

50 2.0 +1.4 50 1.6

2.5 +0.9 2.4 +1.0

2.0 1.6 +1.8

2.8 +0.6 2.4

2.0 (3.3) 1.5 +1.8

1+00 2.5 +0.9 2.4

2.0 1.5

2.5 2.4

2.0 1.5

2.5 3+00 2.4

5+00 2.0 7+00 1.5 +1.8

2.5 +0.9 2.4 +1.0 10:03

2.0 +1.4 1.4 +1.9

2.4 +1.0 10:00 2.5 +0.9

1.9 +1.5 1.4

50 2.7 +0.7 2.5 +0.9

1.9 1.4

2.5 +0.9 2.4 +1.0

1.9 1.4 +1.9

1+70 2.5 +0.9 3+50 2.3 +1.5

5+50 1.9 +1.5 7+50 1.3 +2.0

PX
 125+ 64.12
 8-25-47

DIST	SOUND	DIST	SOUND
7+60	1.3	+2.0	
	1.3		
(3.3)	1.3		
	1.3		
8+00	1.3	+2.0	
10:08	1.2	+2.1	

PX
 125+00
 8-25-47 (3)

0+00 = STA-125+00 ON B/L: SOUND NORTH.

DIST	SOUND	DIST	SOUND
0+00	2.6	+0.7	1+80 2.5 +0.8
10:15	2.6		2.5
	2.6		2+00 2.5
	2.6		2.5
	2.6	+0.7	10:02 2.5
50	2.5	+0.8	2.5 +0.8
	2.6	+0.7	2.4 +0.9
(3.3)	2.6	+0.7	50 2.4
	2.5	+0.8	2.4
	2.5		(3.3) 2.4
1+00	2.5		2.4
	2.5		2.4
	2.5		3+00 2.4
	2.5		2.4
	2.5		2.4
50	2.5		2.4
	2.5		19:05 2.4
1+70	2.5	+0.8	3+50 2.4 +0.9

PX

125+00

8-25-47

YX

125+00

8-25-47

③

DIST SOUND

DIST SOUND

DIST SOUND

DIST SOUND

7+40

1.2

+2.1

3+60

2.4

+0.9

5+50

1.9

+1.4

50

1.2

2.3

+1.0

1.9

1.2

2.3

1.9

3.3

1.2

2.3

1.9

+1.4

1.2

4+00

2.3

1.8

+1.5

1.2

2.3

+1.0

6+00

1.6

+1.7

8+00

1.2

+2.1

2.2

+1.1

10:28

1.6

10:25

3.3

2.2

1.6

2.2

3.3

1.6

50

2.2

+1.1

1.6

2.1

+1.2

50

1.6

2.1

+1.2

1.6

+1.7

2.1

+1.2

1.5

+1.8

2.0

+1.3

1.5

5+00

2.0

1.5

2.0

+1.3

7+00

1.5

+1.8

~~1.9~~

+1.4

1.4

+1.9

1.9

+1.4

1.4

5+40

1.9

+1.4

7+30

1.4

+1.9

PX 124+00 8-25-47
 0100=STA-124+00 ON 3/4: SOUND NORTH.

DIST	SOUND	DIST	SOUND
0+00	2.5 +0.8	1+80	2.5 +0.8
<u>10:33</u>	2.5		2.4 +0.9
	2.5	2+00	2.4
	2.5		2.4
	2.5		2.4
50	2.5		2.4
	2.5	(3.3)	2.4
(3.3)	2.5	50	2.4 +0.9
	2.5 +0.8		2.2 +1.1
	2.6 +0.7		2.3 +1.0
1+00	2.6 +0.7		2.2 +1.1
	2.5 +0.8		2.2
<u>10:35</u>	2.5 +0.8	3+00	2.2
	2.4 +0.9		2.2
	2.3 +1.0		2.2
50	2.4 +0.9	<u>10:38</u>	2.2
	2.4 +0.9		2.2 +1.1
1+70	2.5 +0.8	3+50	2.1 +1.2

PX 124+00 8-25-47 (2)
 DIST SOUND DIST SOUND

DIST	SOUND	DIST	SOUND
3+60	2.1 +1.2	5+60	1.8 +1.5
	2.1	<u>10:40</u>	1.8 +1.5
	2.1		1.8 +1.5
	2.1		1.7 +1.6
4+00	2.1	6+00	1.7
	2.1		1.7
	2.1		1.7
(3.3)	2.1	(3.3)	1.7
	2.1		1.7
50	2.1 +1.2	50	1.7 +1.6
	2.0 +1.3		1.6 +1.7
	2.0		1.6
	2.0		1.6
	2.0		1.6
5+00	2.0	7+00	1.6 +1.7
	2.0 +1.3		1.5 +1.8
	1.9 +1.4		1.5 +1.8
	1.9		1.4 +1.9
	1.9		1.4 +1.9
5+50	1.9 +1.4	7+50	1.4 +1.9

PX 124+00 8-25-47
 DIST SOUND DIST SOUND
 7+60 1.3 +2.0
 1.2 +2.1
 (3.3) 1.2 +2.1
 1.2 +2.1
 8+00 1.0 +2.3
 10:43

PA 123+00 8-25-47
 0+00 STA-123+00 on R/L SOUND NORTH
 DIST SOUND DIST SOUND DIST SOUND (5)
 0+00 2.5 +0.8 2+00 2.3 +1.0
 10:52 2.5
 2.5
 2.5
 2.5
 2.5
 50 2.5 50 2.3
 2.5
 2.5
 (3.3) 2.3
 2.3 +1.0
 2.5
 2.2 +1.1
 1+00 2.5 +0.8 3+00 2.2
 2.4 +0.9
 2.4
 2.4
 2.4
 2.4
 50 2.4 50 2.2
 2.4
 2.4
 2.4
 2.4
 +90 2.4 +0.9 5+90 2.2 +1.1

PX, 123+00			8-25-47			PX 122+00			8-25-47		
DIST	SOUND		DIST	SOUND		DIST	SOUND		DIST	SOUND NORTH	
4+00	2.2	+1.1	6+00	1.8	+1.5	4+00	2.5	+0.8	2+00	2.4	+0.9
	2.1	+1.2		1.8	+1.5	11:10	2.5			2.4	
	2.1			1.7	+1.6		2.5			2.4	
	2.1			1.7	+1.6		2.5			2.4	+0.9
	2.1			1.7	+1.6		2.5			2.3	+1.0
50	2.1		50	1.6	+1.7	50	2.5		50	2.3	
	2.1			1.6			2.5		(3.3)	2.3	
(3.3)	2.1			1.6		(3.3)	2.5			2.3	
	2.1	+1.2	(3.3)	1.6	+1.7		2.5			2.3	
	2.0	+1.3		1.5	+1.8		2.5			2.3	
5+00	2.0		7+00	1.5		1+00	2.5		3+00	2.3	
	2.0			1.5			2.5		11:13	2.3	
	2.0			1.5			2.5			2.3	
	2.0	+1.3		1.5	+1.8		2.5			2.3	
	1.9	+1.4		1.4	+1.9		2.5			2.3	
50	1.9		50	1.2	+2.1	50	2.5		50	2.3	
	1.9			1.2			2.5			2.3	
	1.9			1.2			2.5			2.3	
	1.9	+1.4		1.2			2.5	+0.8		2.3	
5+90	1.8	+1.5	11:00	1.2		1+90	2.4	+0.9	3+90	2.3	+1.0
			8+00	1.2	+2.1						

P.V.		122+00		8-25-47		P.V.		121+00		8-25-47	
DIST SOUND		DIST SOUND		DIST SOUND		DIST SOUND		DIST SOUND		DIST SOUND	
4+00	2.2	+1.1	6+00	1.7	+1.6	16+00	2.5	+0.8	2+00	2.5	+0.8
	2.2	{		1.7	{	11:27	2.5	{		2.5	+0.8
	2.2	{		1.7	{		2.5	{		2.4	+0.9
	2.2	+1.1		1.7	{		2.5	{		2.4	{
	2.0	+1.3		1.7	+1.6		2.5		2.4	2.4	{
50	2.0	{	50	1.6	+1.7	50	2.5		50	2.4	{
	2.0	{		1.6	+1.7		2.5			2.4	{
(3.3)	2.0	{	(3.3)	1.6	+1.7	(3.3)	2.5			2.4	{
	2.0	{		1.5	+1.8		2.5		(3.3)	2.4	+0.9
	2.0	{		1.5	{		2.5			2.2	+1.1
5+00	2.0	{	7+00	1.5		1+00	2.5		3+00	2.3	+1.0
11:15	2.0	{		1.5			2.5			2.3	{
	2.0	{		1.5			2.5		11:30	2.3	{
	2.0	+1.3		1.5			2.5			2.3	{
	1.9	+1.4		1.5			2.5			2.3	{
50	1.9	{	50	1.5	+1.8	50	2.5		50	2.3	{
	1.9	{		1.4	+1.9		2.5			2.3	{
	1.9	{		1.4	{		2.5			2.3	{
	1.9	{		1.4	{		2.5			2.3	+1.0
5+90	1.9	+1.4	11:23	1.4		1+90	2.5	+0.8	3+90	2.1	+1.2
			8+00	1.4	+1.9						

PX			121+00			120+00			SOUND NORTH				
DIST	SOUND		DIST	SOUND		DIST	SOUND		DIST	SOUND			
4+00	2.1	+1.2	6+00	1.8	+1.5	4+00	2.8	+0.5	2+00	2.7	+0.6		
	2.1	}		1.8	}		2.8	}		2.6	+0.7		
	2.1			1.8		+1.5			2.8			2.6	}
	2.1			1.7		+1.6			2.8			2.6	
	2.1		+1.2			1.7			2.8			2.6	
50	2.0	+1.3	50	1.7		50	2.8		50	2.6			
	2.0	}		1.7	}		2.8	}		2.6	+0.7		
(3.3)	2.0		(3.3)	1.7		(3.3)			2.8			2.5	+0.8
	2.0			1.7					2.8		(3.3)	2.5	+0.8
	2.0			1.7					2.8			2.5	+0.8
5+00	2.0			7+00		1.7	+1.2		4+00	2.8		3+00	2.7
	2.0	}		1.6	+1.1		2.8	}		2.5	+0.8		
	2.0			1.6			2.8				2.5	}	
	2.0			1.6			2.8				2.5		
	2.0			1.6	+1.1		2.8				2.5		
50	2.0	+1.3	50	1.5	+1.9	50	2.8	+0.5	50	2.5	+0.8		
	1.9	+1.4		1.5	+1.9		2.7	+0.6		2.4	+0.9		
	1.9	}		1.5	+1.9		2.7	}		2.4	}		
	1.9			1.4	+1.9		2.7					2.4	
5+90	1.9	+1.4	8+00	1.2	+2.0	4+90	2.7	+0.6	3+90	2.4	+0.9		

8-25-47

120+00 ON B/L.

8-25-47

(8)

PX		120+00		8-25-41		PX		119+00		8-25-41	
DIST	SOUND		DIST	SOUND		DIST	SOUND		DIST	SOUND	
4+00	2.4	+1.0	6+00	2.0	+1.4	0+00	2.8	+0.6	2+00	2.6	+0.8
<u>12:43</u>	2.3	+1.1		2.0		<u>12:54</u>	2.8			2.6	+0.8
	2.3			2.0			2.8			2.5	+0.9
	2.3			2.0			2.8			2.5	
	2.3			2.0			2.8			2.5	
50	2.3		50	2.0		50	2.8		50	2.5	+0.9
	2.3			2.0			2.8			2.6	+0.8
(3.4)	2.3			2.0			2.8			2.6	
	2.3		(3.4)	2.0		(3.4)	2.8		(3.4)	2.6	
	2.3			2.0	+1.4		2.8			2.6	
5+00	2.3	+1.1	7+00	1.7	+1.7	1+00	2.8		3+00	2.6	
	2.2	+1.2		1.7	+1.7		2.8			2.6	
	2.2			1.7	+1.7		2.8	+0.6		2.6	
	2.2			1.6	+1.8		2.7	+0.7		2.6	
	2.2			1.6			2.7			2.6	
50	2.2	+1.2	50	1.6		50	2.7		50	2.6	+0.8
	2.1	+1.3		1.6			2.7			2.5	+0.9
	2.1	+1.3		1.6	+1.8		2.7	+0.7		2.5	
	2.0	+1.4		1.5	+1.9		2.6	+0.8		2.5	
5+90	2.0	+1.4	<u>14:46</u>	1.5	+1.9	4+90	2.6	+0.8	3+90	2.5	+0.9
			8+00	1.5	+1.9						

D. X, 119+00		118+13.00		8-25-47		8-25-47		8-25-47		(10)		
DIST	SOUND	DIST	SOUND	DIST	SOUND	DIST	SOUND	DIST	SOUND			
4+00	2.5	+0.9	6+00	2.0	+1.4	2+00	2.8	+0.7	2+00	2.7	+0.8	
	2.5	}		2.0	}		2.8	}		2.7	}	
	2.5			2.0			2.8			2.7		
	2.5		+0.9	2.0			2.8			2.7		
	2.4		+1.0	2.0			2.8			2.7		
50	2.4		50	2.0		50	2.8		50	2.7		
	2.4	}		2.0	}		2.8	}		2.7	}	
(3.4)	2.4			2.0			2.8			(3.5)		2.7
	2.4		(3.4)	2.0		(3.5)	2.8			2.7		
	2.4			2.0		+1.4	2.8			2.7		
	2.4			2.0		+1.4	2.8			2.7		
5+00	2.4		7+00	1.9	+1.4	4+00	2.8		3+00	2.7		
<u>12:58</u>	2.4	+1.0		1.6	+1.4		2.8			2.7		
	2.3	+1.1		1.6			2.8			2.7	+0.8	
	2.3	+1.1		1.6			2.8			2.6	+0.9	
	2.1	+1.3		1.6			2.8			2.6	+0.9	
50	2.1	}	50	1.6	}	50	2.8	}	50	2.6	+0.9	
	2.1			1.6			2.8			2.5	+1.0	
	2.1		+1.3	1.6			2.8			2.5	}	
	2.0		+1.4	1.6			2.8			2.5		
	2.0		+1.4	1.6		+1.4	2.8			2.5		
5+90	2.0	+1.4	<u>13:00</u>	1.6	+1.4	4+90	2.8	+0.7	3+90	2.5	+1.0	

PX. 118+13.00
 DIST SOUND

DIST SOUND

B-25

PX 8-27-47 Indexed ①
 SOUNDINGS ALONG WEST SIDE OF NORTH

4+00 2.5 +1.0
 2.5 +1.0
 2.4 +1.1
 2.4
 2.4
 50 2.4
 2.4
 2.4
 (3.5) 2.4
 2.4
 5+00 2.4
 2.4 +1.1
 2.3 +1.2
 2.3
 2.3
 50 2.3
 2.3
 2.3
 2.3 +1.2
 5+90 2.2 +1.3

6+00 2.1 +1.0
 2.1 +1.0
 2.1 +1.0
 2.0 +1.5
 2.0
 50 2.0
 2.0
 2.0 +1.5
 (3.3) 1.9 +1.6
 1.9 +1.6
 7+00 1.9 +1.0
 1.8 +1.0
 13+13 1.8
 1.8
 1.8
 50 1.8 +1.0
 1.7 +1.0
 1.6 +1.0
 1.5 +2.0
 1.5 +2.0
 8+00 1.5 +2.0

CAUSEWAY BRIDGE: EAST BAY CHANNEL SECT "A"
 0+80
 100 FT. S. NORTH OF STA 0+80 ON 100' OFFSET LINE.

DIST	SOUND	DIST	SOUND
1+50	11.0 -7.0	1+50	11.0 -7.0
2+05	5.4 -1.4	11.1	-7.1
2+10	4.3 -0.3	08:48	10.1 -6.1
2+15	4.6 -0.6	8.0	-4.0
2+20	6.0 -2.0	7.1	-3.1
2+25	6.3 -2.3	2+00	10.0 -6.0
50 2+30	5.3 -1.3	11.0	-7.0
2+35	6.8 -2.8	(4.0) 10.5	-6.5
(4.0) 2+40	7.4 -3.4	9.4	-5.4
2+45	6.7 -2.7	11.0	-7.0
2+50	7.6 -3.6	50 8.5	-4.5
2+55	8.1 -4.1	7.6	-3.6
2+58	8.2 -4.2	08:50	6.5 -2.5
2+59	8.2 -4.2	10.1	-6.1
2+60	11.0 -7.0	9.7	-5.7
2+65	12.5 -8.4	3+00	9.0 -5.0

P.X.

8-27-47

DIST	SOUND	DIST	SOUND
3+10	11.8	0+80	-7.8
	12.5		-8.5
	10.0		-6.0
	10.0		-6.0
50	10.4		-6.4
	8.8		-4.8
(4.0)	4.0		-0.0
	3.0		+1.0
	3.0		+1.0
4+00	1.8		+2.2
	0.4		+3.6
4+15	0.0		+4.0
<u>08:55</u>			

8-27-47

(12)

SOUNDINGS AT CENTER OF EACH SPAN OF NORTH CAUSEWAY BRIDGE. BENTS 35' o/c.

0+00 = 0+90 ON 100' OFFSET LINE: SOUND SOUTH.

DIST	SOUND	DIST	SOUND
0+15 ¹⁵⁷ 0348 240	7.0		-3.0
0+50 ³⁴³	6.1		-2.1
0+85 ⁴⁷²	7.8		-3.8
1+20 ⁵⁷⁴	8.5		-4.5
1+55 ⁶⁷⁴	8.5		-4.5
1+90 ⁷⁷⁴	6.8		-2.8
2+25 ⁸⁷⁴	5.0		-1.0
2+60 ⁹⁷⁴	5.0		-1.0
2+95 ¹⁰⁷⁴	5.0		-1.0
3+30 ¹¹⁷⁴	5.0		-1.0
3+65 ¹²⁷⁴	2.7		+1.3
4+00	1.5		+2.5
4+10	0.0		+4.0

Indexed

9-24-47
 ORIGINAL SOUNDINGS - DE-ANZA COVE
 PROJ-3-1

STA - N-157+00

0+00 = { N-157+00 } SOUND EAST AT 90° TO W-75+00 LINE

DIST	SOUND	DIST	SOUND
0+00	3.6 +0.6	1+70	3.5 +0.7
	3.6 —		3.5 —
09:34	3.7 +0.5	(4.2)	3.5 —
(4.2)	3.7 —	2+00	3.5 —
	3.6 +0.6		3.5 —
50	3.6 —		3.5 —
	3.6 —		3.5 —
	3.6 —	09:38	3.5 —
	3.6 —	50	3.5 —
	3.6 —		3.4 +0.8
1+00	3.6 —		3.4 —
	3.5 +0.7		3.4 —
	3.5 —		3.4 —
	3.5 —	3+00	3.3 +0.5
	3.5 —		3.3 —
50	3.5 —		3.3 —
1+60	3.5 —	3+30	3.3 —

N-157+00

9-24-47
 BARRAGAN
 SHERRY
 STANLEY
 HAZY
 47 WIND
 WARM

(13)

DIST	SOUND	DIST	SOUND	Indit
3+40	3.2 +1.0	5+40	2.9	+1.3
50	3.2 —	50	2.8	+1.4
	3.2 —		2.8	—
(4.2)	3.3 +0.9	(4.2)	2.7	+1.5
	3.3 —		2.6	+1.6
	3.3 —		2.5	+1.7
4+00	3.2 +1.0	6+00	2.4	+1.8
	3.2 —		2.4	—
	3.2 —		2.2	+2.0
	3.2 —		2.1	+2.1
	3.2 —		2.0	+2.2
50	3.2 —	50	1.9	+2.3
	3.1 +1.1		1.8	+2.4
	3.1 —		1.7	+2.5
	3.1 —		1.6	+2.6
	3.0 +1.2		1.5	+2.7
5+00	2.1 +1.1	7+00	1.5	—
	3.0 +1.2	+10	1.4	+2.8
	3.0 —	+20	1.3	+2.9
	3.0 —	+30	1.2	+3.0
	3.0 —	+40	1.1	+3.1
	2.9 +1.3	+50	0.7	+3.5
		+60	0.0	+4.2

09:45

N-156+00				9-24-11		N-156+00		9-23-17	
0+00 {N-156+00 W-75+00} SOUND EAST AT 90° T. W-75+00 LINE.				DIST	SOUND	DIST	SOUND	DIST	SOUND
				3180	3.1	+1.0	5780	2.6	+1.5
0+00	3.6	+0.5	1790	3.1	+0.7		2.5	+1.6	
09:53	3.6	—	2100	3.1	—	6+00	2.5	—	
	3.5	+0.6		4.1	—	4.1	2.4	+1.7	
4.1	3.5	—	4.1	3.1	—		2.4	—	
	3.5	—		3.1	—		2.2	+1.9	
50	3.5	—		3.1	—		2.1	+2.0	
	3.5	—	50	3.3	+0.7	50	2.0	+2.1	
	3.5	—		3.3	—		1.9	+2.2	
	3.5	—		3.3	—		1.9	—	
09:55	3.5	—		3.3	—		1.8	+2.3	
1+00	3.5	—		3.3	—		1.7	+2.4	
	3.4	+0.7	3+00	3.3	—	5+00	1.6	+2.5	
	3.4	—		3.3	—		1.4	+2.7	
	3.4	—		3.3	—		1.4	—	
	3.4	—		3.2	+0.5		1.3	+2.8	
50	3.4	—		3.2	—		1.2	+2.9	
	3.4	—	50	3.2	—	50	2.8	+1.3	
	3.4	—		3.2	—		2.8	—	
1+80	3.4	—	3+70	3.1	+1.0	5+70	2.7	+1.4	

+50 1.1
 +60 1.1
 +70 0.9
 7+78 0.0
 10:05

N- 155+00

9-21-17

0+00 = $\begin{cases} N-155+00 \\ W-75+00 \end{cases}$ SOUND EAST AT 90° TO W-75+00 LINE.

DIST	SOUND		DIST	SOUND	
0+00	3.5	+0.5	1+90	3.4	+0.6
	3.5	—	2+00	3.4	—
<u>10:13</u>	3.5	—		3.4	—
(4.0)	3.5	—	(4.0)	3.4	—
	3.5	—		3.4	—
50	3.5	—		3.4	—
	3.5	—	50	3.4	—
	3.4	+0.6		3.4	—
	3.4	—		3.3	+0.5
	3.4	—		3.3	—
<u>10:15</u>	3.4	—		3.3	—
1+00	3.4	—		3.2	+0.5
	3.4	—	3+00	3.2	—
	3.4	—	<u>10:18</u>	3.2	—
	3.4	—		3.2	—
	3.4	—		3.2	—
50	3.4	—		3.2	—
	3.4	—	50	3.2	—
	3.4	—		3.2	—
1+80	3.4	—	3+70	3.2	—

N- 155+00

9-21-17

(15)

DIST	SOUND		DIST	SOUND	
3+80	3.1	+0.9	5+80	2.7	+1.3
	3.1	—	PX	2.7	—
	3.1	—	6+00	2.6	+1.4
(4.0)	3.0	+1.0	(4.0)	2.5	+1.5
	3.0	—	<u>10:23</u>	2.4	+1.6
	3.0	—		2.4	—
	3.0	—		2.3	+1.7
50	3.0	—	50	2.1	+1.9
	3.0	—		2.0	+2.0
	3.0	—		2.0	—
	3.0	—		1.9	+2.1
	2.9	+1.1		1.7	+2.3
5+00	2.9	—	7+00	1.6	+2.4
	2.9	—		1.6	—
	2.9	—		1.6	—
	2.9	—		1.4	+2.6
	2.9	—	<u>10:25</u>	1.4	—
50	2.9	—	+50	1.3	+2.7
	2.8	+1.2	+60	1.3	—
	2.8	—	+70	1.0	+3.0
	2.8	—	+80	1.0	—
	2.8	—	+90	0.5	+3.5
	2.8	—	+10	0.0	+4.0

N-154+00 9-21-17
 0+00 (N-154+00) SOUND EAST AT 90° To W-75+00 LINE.

DIST	SOUND		DIST	SOUND	
0+00	3.5	+0.4	1+90	3.4	+0.5
	3.5	—	2+00	3.3	+0.6
10:35	3.5	—		3.3	—
(3.9)	3.5	—	(3.9)	3.3	—
	3.4	+0.5		3.3	—
50	3.4	—		3.3	—
	3.4	—	50	3.2	+0.7
	3.4	—	10:38	3.2	—
	3.3	+0.6		3.2	—
	3.3	—		3.2	—
1+00	3.3	—		3.2	—
	3.5	+0.4	3+00	3.2	—
	3.5	—		3.2	—
	3.4	+0.5		3.2	—
	3.4	—		3.2	—
50	3.4	—		3.2	—
	3.4	—	50	3.1	+0.8
	3.4	—		3.1	—
1+80	3.4	—	3+70	3.1	—

N-154+00 9-21-17 (16)

DIST	SOUND		DIST	SOUND	
3+80	3.1	+0.8	5+80	2.7	+1.2
	3.0	+0.9		2.6	+1.3
4+00	3.0	—	6+00	2.5	+1.4
	3.0	—	(3.9)	2.5	—
(3.9)	3.0	—	10:43	2.4	+1.5
	3.0	—		2.4	—
	3.0	—		2.2	+1.7
50	3.0	—	50	2.1	+1.8
	3.0	—		2.0	+1.9
	3.0	—		2.0	—
	3.0	—		2.0	—
2.9	+1.0			1.9	+2.0
5+00	2.9	—	7+00	1.7	+2.2
	2.9	—		1.5	+2.4
	2.9	—	10:45	1.5	—
	2.9	—		1.5	—
	2.9	—		1.4	+2.5
	2.8	+1.1	+50	1.4	—
	2.8	—	+60	1.4	—
50	2.8	—	+70	1.3	+2.6
	2.7	+1.2	+80	1.1	+2.8
			+90	1.0	+2.9
			8+00	1.0	—
			+10	1.0	—
5+70	2.7	—	+20	0.5	+3.4
			8+32	0.0	+3.9

N- 153+00 9-29-17
 0+00 {N-153+00
 W-75+00} SOUND EAST AT 90° TO W-75+00 LINE.

DIST	SOUND	DIST	SOUND
0+00	3.1 +0.4	1+90	3.2 +0.6
	3.1	2+00	3.2
11:05	3.1	(3.8)	3.1 +0.7
(3.8)	3.1	11:08	3.0 +0.8
	3.4		3.0
50	3.4		3.0
	3.3 +0.5	50	3.0
	3.3		3.0
	3.3		3.0
	3.3		3.0
1+90	3.3		3.0
	3.3	3+00	3.0
	3.3		3.0
	3.3		3.0
	3.2 +0.6		3.0
50	3.2	(3.8)	3.0
	3.2	50	3.0
	3.2	11:10	3.0
1+80	3.2	3+70	3.0 +0.7

N- 153+00 9-29-17 (7)
 DIST SOUND PX DIST SOUND

3+80	3.0 +0.7	5+80	2.6 +1.1
(3.7)	2.9 +0.8	11:13	2.5 +1.2
4+00	2.9	6+00	2.5
	2.9		2.5
	2.9	(3.7)	2.4 +1.3
	2.9		2.4
	2.9		2.1 +1.6
50	2.9	50	2.1
	2.9		2.1
	2.9		2.0 +1.7
	2.9		1.9 +1.8
	2.9		1.8 +1.9
5+00	2.8 +0.9	7+00	1.8
	2.8		1.6 +2.1
	2.8		1.5 +2.2
	2.8		1.4 +2.3
	2.8		1.4
	2.7 +1.0	+50	1.3 +2.4
	2.7	+60	1.2 +2.5
50	2.7	+70	1.2
	2.7	+80	1.0 +2.7
	2.7	+90	1.0
	2.7	8+00	1.0
5+70	2.6 +1.1	+10	1.0
		+20	0.9
		+30	0.9
		+40	0.7
		+50	0.5
			+2.8
			+3.0
			+3.2

N-152+00		9-24-47		N-152+00		9-24-47		(18)			
0+00 = { N-152+00 } { W-75+00 }		SOUND EAST AT 90° To W-75+00 LINE		DIST	SOUND	DIST	SOUND	DIST	SOUND		
DIST	SOUND	DIST	SOUND	3+80	2.9	+0.7	5+80	2.5	+1.1		
0+00	3.1	+0.2	1+90	3.0	+0.6		2.5				
	3.4	—	2+00	3.0	—	4+00	2.9	2.7	+1.2		
11:28	3.4	—		3.0	—		2.9	2.4	—		
(3.6)	3.4	—	(3.6)	3.0	—	(3.6)	2.9	2.3	+1.3		
	3.3	+0.3		3.0	—		2.8	+0.8	2.2	+1.4	
50	3.2	+0.4		3.0	—		2.8	—	2.1	+1.5	
	3.2	—	50	3.0	—	50	2.8	—	50	2.1	—
	3.2	—		3.0	—		2.8	—		2.1	—
	3.2	—		3.0	—		2.8	—		2.0	+1.6
	3.2	—		3.0	—		2.8	—		2.0	—
1+00	3.2	—		3.0	—	11:30	2.7	+0.9		1.9	+1.7
	3.2	—	3+00	3.0	—	5+00	2.7	—	7+00	1.8	+1.8
	3.2	—		3.0	—		2.7	—	+10	1.7	+1.9
	3.2	—		3.0	—		2.7	—	+20	1.6	+2.0
	3.1	+0.5		3.0	—		2.7	—	+30	1.5	+2.1
	3.1	—		3.0	—		2.6	+1.0	+40	1.4	+2.2
	3.1	—		3.0	—		2.6	+1.0	+50	1.2	+2.4
50	3.1	—	11:33	3.0	—		2.6	—	+60	1.1	+2.5
	3.1	—	50	3.0	—	50	2.6	—	+70	1.1	—
	3.1	—		3.0	—		2.6	—	+80	1.0	+2.6
1+80	3.1	—	3+70	2.9	+0.7	5+70	2.5	+1.1	+90	1.0	—
									+10	1.0	—
									+20	1.0	—
									+30	0.9	+2.7
									+40	0.8	+2.8
									+50	0.8	—
									+60	0.6	+3.0

N-151+00 9-27-77
 0+00 = { N-151+00 } SOUND EAST AT 90° TO W-75+00 LINE.

DIST	SOUND		DIST	SOUND	
0+00	3.2	+0.4	1+90	3.1	+0.5
	3.2	—	2+00	3.1	—
12:55	3.2	—	12:58	3.1	—
(3.6)	3.2	—		3.1	—
	3.2	—	(3.6)	3.1	—
50	3.2	—		3.1	—
	3.1	+0.5	50	3.1	—
	3.1	—		3.0	+0.6
	3.1	—		3.0	—
	3.1	—		3.0	—
1+00	3.1	—		3.0	—
	3.1	—		3.0	—
	3.0	—	3+00	3.0	—
	3.1	—		3.0	—
	3.1	—		3.0	—
	3.1	—		3.0	—
	3.1	—		3.0	—
50	3.1	—		3.0	—
	3.1	—	50	3.0	—
	3.1	—	13:00	3.0	—
1+80	3.1	—	3+70	3.0	—

N-151+00 9-24-77 (0.6, 0.5, 0.0) (19)

DIST	SOUND	PX	DIST	SOUND	
3+80	3.0	+0.6	5+80	2.9	+1.2
	3.0	—	13:03	2.9	—
4+00	3.0	—	6+00	2.9	—
	2.9	+0.7		2.3	+1.3
(3.6)	2.9	—	(3.6)	2.3	—
	2.8	+0.8		2.3	—
	2.8	—		2.1	+1.5
50	2.8	—	50	2.1	—
	2.8	—		2.1	—
	2.8	—		2.0	+1.6
	2.8	—		2.0	—
	2.7	+0.9		1.9	+1.7
5+00	2.7	—	7+00	1.8	+1.8
	2.7	—	10	1.7	+1.9
	2.7	—	20	1.5	+2.1
	2.6	+1.0	30	1.4	+2.2
	2.6	—	40	1.4	—
	2.6	—	50	1.4	—
	2.5	+1.1	60	1.3	+2.3
	2.5	—	70	1.1	+2.5
50	2.5	—	80	1.1	—
	2.5	—	90	1.0	+2.6
	2.5	—	8+00	1.0	—
	2.5	—	10	1.0	—
	2.5	—	20	1.0	—
	2.4	+1.2	30	1.0	—
5+70	2.4	+1.2	40	0.8	+2.8
			50	0.8	—
			8+90	0.0	+3.6

N-151+00 2-29-47
 N-150+00

0+00 (N-150+00) SOUND EAST AT 30° To W. 75+00 LINE.

DIST	SOUND	DIST	SOUND
0+00	3.2 +0.4	1+90	3.1 +0.5
	3.2	2+00	3.1
13:17	3.2	13:20	3.1
(3.6)	3.2		3.1
	3.2	(3.6)	3.1
50	3.2		3.1
	3.2	50	3.1
	3.2		3.1
	3.2		3.1
	3.2		3.1
1+00	3.2		3.1
	3.2	3+00	3.1
	3.1 +0.5		3.0 +0.
	3.1		3.0
	3.1		3.0
	3.1		3.0
50	3.1		3.0
	3.1	50	3.0
	3.1		3.0
1+80	3.1	3+70	3.0

N-150+00 2-29-47 (70)

DIST	SOUND	DIST	SOUND
3+80	3.0 +0.6	5+80	2.6 +1.0
	3.0	(3.6)	2.5 +1.1
4+00	3.0	6+00	2.5
13:23	3.0		2.1 +1.2
	2.9 +0.7	13:28	2.4
(2.6)	2.9	50	2.3 +1.3
	2.9		2.2 +1.4
50	2.9		2.2
	2.8 +0.8		2.1 +1.5
	2.8		2.1
	2.8		2.0 +1.6
	2.8	7+00	2.0
	2.8		1.9 +1.7
	2.8		1.7 +1.9
	2.8		1.6 +2.0
	2.8	50	1.5 +2.1
	2.8		1.5
	2.8		1.5
	2.8		1.2 +2.4
	2.8		1.2
	2.8		1.2
	2.7 +0.9	8+00	1.2
	2.7		1.2
	2.7		1.1 +2.5
	2.7	50	1.0 +2.6
	2.7		1.0
	2.6 +1.0		0.9 +2.7
	2.6		0.9
	2.6		0.8 +2.8
50	2.6		0.8
	2.6	9+00	0.7 +2.9
	2.6		0.6 +3.0
	2.6		0.5 +3.1
	2.6	9+40	0.4 +3.2
	2.6	9+45	0.2 +3.4
			0.0 +3.6

ORIGINAL SOUNDINGS OF PROPOSED EAST BAY CHANNEL

PROJECT-3-1 SECTION "D"

STA-50+00 "D"

0+00 = STA-50+00 ON 100' OFFSET LINE (B/L) SOUND SOUTH AT 90° TO B/L

DIST	SOUND	DIST	SOUND
0+00	2.2 +2.3	1+60	2.9 +2.1
	2.2 —		2.5 +2.0
<u>09:20</u>	2.2 —	(4.5)	2.6 +1.9
(4.5)	2.2 —		2.7 +1.8
	2.3 +2.2	2+00	2.9 +1.6
50	2.3 —		3.0 +1.5
	2.4 +2.1		3.0 —
	2.4 —		3.0 —
	2.4 —		3.1 +1.4
	2.5 +2.0	50	3.1 —
1+00	2.5 —	09:23	3.1 —
	2.4 +2.1		3.2 +1.3
	2.4 —		3.2 —
	2.4 —		3.2 —
	2.4 —	3+00	3.2 —
50	2.4 —	3+10	3.2 —

DIST	SOUND	DIST	SOUND
3+20	3.2 +1.3		
	3.2 —		
(4.5)	3.2 —		
50	3.2 —		
	3.2 —		
	3.2 —		
	3.2 —		
	3.2 —		
4+00	3.3 +1.2		
	3.3 —		
	3.4 +1.1		
	3.5 +1.0		
	3.5 —		
50	3.6 +0.9		
	3.6 —		
	3.6 —		
	3.8 +0.7		
	4.1 +0.4		
5+00	4.2 +0.3		
<u>09:25</u>			

Indexed

9-26-17

51+00

"D"

9-26-17

(22)

51+00

DIST SOUND

DIST SOUND

0+00 = STA-51+00 ON 100' OFFSET LINE (24) SOUND SOUTH AT 90° TO R

3+60 3.2 +1.2

DIST SOUND DIST SOUND

3.2 —

0+00 2.0 +2.4 1+80 2.5 +1.9

(1.1) 3.2 —

2.0 — 2.6 +1.8

3.2 —

09:30

2.0 — 2+00 2.6 —

4+00 3.2 —

(1.1) 2.0 — (1.1) 2.7 +1.7

3.3 +1.1

2.0 — 2.8 +1.6

3.5 +0.9

50 2.0 — 2.9 +1.5

3.5 —

2.0 — 3.0 +1.4

3.5 —

2.1 +2.3 50 3.1 +1.3

50 3.5 —

2.2 +2.2 3.1 —

3.5 —

2.2 — 3.1 —

3.5 —

1+00 2.3 +2.1 3.1 —

3.6 +0.8

2.3 — 3.2 +1.2

3.7 +0.7

2.2 +2.2 3+00 3.2 —

5+00 3.8 +0.6

2.2 — 3.2 —

09:35

2.2 — 3.2 —

50 2.2 — 3.2 —

2.3 +2.1 3.2 —

1+70 2.5 +1.9 3+50 3.2 —

9-26-47

52+00 "D"

0+60 = STA 52+00 ON 100' OFFSET LINE (2 1/2"): SOUND SOUTH AT 90° TO R

DIST	SOUND	DIST	SOUND
0+00	1.8 +2.5	1+80	2.5 +1.8
	1.9 +2.4		2.6 +1.7
09:40	1.9 —	2+00	2.7 +1.6
(1.3)	1.9 —	(4.3)	2.8 +1.5
	1.9 —		2.9 +1.4
50	1.9 —		3.0 +1.3
	1.9 —		3.0 —
	1.9 —	50	3.0 —
	1.9 —		3.1 +1.2
	2.0 +2.3		3.2 +1.1
1+00	2.0 —		3.2 —
	2.0 —		3.2 —
	2.1 +2.2	3+00	3.2 —
	2.1 —		3.2 —
	2.1 —		3.2 —
	2.3 +2.0		3.2 —
50	2.3 —		3.2 —
	2.3 —		3.2 —
1+70	2.1 +1.9	3+50	3.2 —

DIST SOUND

DIST	SOUND
3+60	3.2 +1.1
	3.3 +1.0
(4.3)	3.3 —
	3.3 —
4+00	3.3 —
	3.3 —
	3.5 +0.8
	3.6 +0.7
50	3.7 +0.6
	4.0 +0.3
	4.0 —
	4.1 +0.2
	4.5 -0.2
5+00	4.5 —

08:40

52+00 "D" 9-26-47

DIST SOUND

(23)

PX

9-26-47

53+00 "D"

60+00 = STA-53+00 ON 100' OFFSET LINE (R/L): SOUND SOUTH AT 90° TO T/L

DIST	SOUND		DIST	SOUND	
0+00	1.9	+ 2.4	1+80	2.3	+ 2.0
	1.9	—		2.4	+ 1.9
03:18	1.9	—	2+00	2.4	—
(4.3)	1.9	—	(4.3)	2.5	+ 1.8
	1.9	—		2.5	—
50	1.9	—		2.6	+ 1.7
	1.9	—		2.7	+ 1.6
	1.9	—	50	2.9	+ 1.4
	1.9	—		3.0	+ 1.3
	1.9	—		3.2	+ 1.1
	2.0	—		3.3	+ 1.0
1+00	2.0	+ 2.3	50	3.3	+ 1.0
	2.0	—	50	3.4	+ 0.9
	2.0	—	3+00	3.5	+ 0.8
	2.0	—		3.5	—
	2.0	—		3.5	—
50	2.1	+ 2.2		3.7	+ 0.6
	2.1	—		3.8	+ 0.5
1+70	2.2	+ 2.1	3+50	3.8	—

53+00 "D" 9-26-47

(39)

DIST	SOUND		DIST	SOUND	
3+60	3.9	+ 0.4			
	4.1	+ 0.2			
	4.3	0.0			
	4.3	—			
4+00	4.5	- 0.2			
(4.3)	4.7	- 0.4	(4.3)		
	4.8	- 0.5			
	5.2	- 0.9			
	5.9	- 1.6			
50	6.2	- 1.9			
	6.7	- 2.4			
	6.8	- 2.5			
	7.0	- 2.7			
	7.1	- 2.8			
5+00	7.4	- 3.1			
03:51					

9-26-47

85+00 "D"

85+00

9-26-47

(35)

40+00 = 85+00 ON 100' OFFSET LINE (8/4). SOUND SOUTH AT 90° TO IT

DIST SOUND

DIST SOUND

DIST SOUND

DIST SOUND

0+00 3.7 +0.2

1480 4.0 -0.1

(3.9) 4.4

3.8 +0.1

4.0

4.4

10:35

3.8

2+00 4.1 -0.2

4.4

(3.9)

3.8

(3.9) 4.1

4.4

3.8

4.1

4.4

50 3.8

4.1

4.4

3.8

4.2 -0.3

4.4

4.0 -0.1

50 4.2

50 4.4

4.0

4.2

4.4

4.0

4.2

4.4

1+00 4.0

10:38 4.2

4.4

4.0

4.2

4.4

4.0

3+00 4.2

5+00 4.4

4.0

4.2

10:40

4.0

4.2

50 4.0

4.2

4.0

4.3 -0.4

1+70 4.0

3+50 4.4 -0.5

9-26-17

84+00 "D"

0+00 = STA. 84+00 ON 100' OFFSET LINE (3/4) SOUND SOUTH AT 3:15

DIST	SOUND		DIST	SOUND	
0+00	3.6	+0.2	1+80	4.0	-0.2
	3.6	—		4.0	—
10:45	3.6	—	2+00	4.0	—
(3.8)	3.6	—	(3.8)	4.0	—
	3.7	+0.1		4.0	—
50	3.7	—		4.0	—
	3.7	—		4.0	—
	3.7	—	50	4.0	—
	3.8	0.0	10:48	4.0	—
	3.8	—		4.0	—
1+00	3.8	—		4.0	—
	4.1	-0.3		4.0	—
	4.0	-0.2	3+00	4.0	—
	4.0	—		4.0	—
	4.0	—		4.1	-0.3
50	4.0	—		4.1	—
	4.0	—		4.1	—
1+70	4.0	—	3+50	4.1	—

84+00

9-26-17

DIST SOUND

DIST SOUND

(26)

3+60 4.1 -0.3

4.1 —

(3.8) 4.1 —

4.1 —

4+00 4.1 —

4.1 —

4.1 —

4.1 —

4.2 -0.4

50 4.3 -0.5

4.4 -0.6

4.4 —

10:50 4.4 —

4.4 —

5+00 4.4 —

—

—

—

—

—

9-26-17

83+00 "D"

0+00=STA 83+00 ON 100' OFFSET LINE (1/4) SOUND SOUTH AT 90°

DIST	SOUND		DIST	SOUND	
0+00	3.5	+0.3	1+80	3.8	0.0
	3.5	—		3.9	-0.1
10:55	3.6	+0.2	2+00	3.9	—
(3.8)	3.6	—	(3.8)	3.9	—
	3.6	—		4.0	-0.2
50	3.6	—		4.0	—
	3.6	—		4.1	-0.3
	3.7	+0.1	50	4.0	-0.2
	3.7	—		4.0	—
	3.7	—		4.0	—
1+00	3.7	—		4.0	—
	3.7	—		4.0	—
	3.8	0.0	3+00	4.0	—
	3.8	—		4.0	—
	3.8	—	10:58	4.0	—
50	3.8	—		4.0	—
	3.8	—		4.0	—
1+70	3.8	—	3+50	4.0	—

83+00 "D" 9-26-17

DIST SOUND

DIST SOUND

(27)

3+60 4.0 -0.2

4.0 —

(3.8) 4.1 -0.3

4.3 -0.5

4+00 4.3 —

4.3 —

4.3 —

4.3 —

4.3 —

50 4.3 —

4.3 —

4.4 -0.6

4.5 -0.7

4.5 —

5+00 4.5 —

11:00

9-26-47

82+00 "D"

DIST SOUND

82+00 "D" 9-26-47

DIST SOUND

(28)

~~0100=STA-82+00 ON 100' OFFSET LINE (BL): SOUND SOUTH AT 90°~~

3+60 4.1 -0.4

DIST SOUND DIST SOUND

4.1 —

0+00 2.8 +0.9 1+80 4.0 -0.3

4.2 -0.5

2.9 +0.8 4.0 —

4.2 —

11:05

2.9 — 2+00 3.8 -0.1

4+00 4.2 —

(3.7) 3.0 +0.7 (3.7) 3.8 -0.1

(3.7) 4.2 —

3.0 — 3.9 -0.2

4.4 -0.7

50 3.1 +0.6 3.9 —

4.4 —

3.2 +0.5 3.8 -0.1

4.1 —

3.2 — 50 3.8 —

50 4.4 —

3.2 — 3.9 -0.2

4.1 —

3.2 — 3.9 —

4.4 —

1+00 3.2 — 3.9 —

4.4 —

3.2 — 3.9 —

4.4 —

3.3 +0.4 3+00 3.9 —

5+00 4.4 —

3.7 -0.0 4.0 -0.3

4.4 —

3.9 -0.2 4.0 —

4.4 —

50 4.3 -0.6 4.1 -0.4

4.4 —

4.3 — 4.1 —

4.4 —

1+70 4.3 — 3+50 4.1 —

4.4 —

9-26-57

81+00

DIST SOUND

81+00

9-26-57

DIST SOUND

(29)

0+00 = STA 81+00 ON 100' OFFSET LINE (R/L): SOUND SOUTH AT 90° TO 3/4"

3+60 4.1 -0.5

DIST SOUND

DIST SOUND

2.7

0+00

3.7

+1.2

1+80

3.8

-0.2

4.1

—

2.3

+1.3

—

4.0

-0.4

4.2

—

11:15

2.2

+1.4

2+00

3.8

-0.2

2+00

4.2

—

(3.6)

2.0

+1.6

(3.6)

3.8

—

(3.6)

4.2

—

2.3

+1.3

—

4.1

-0.5

4.3

-0.7

50

2.3

—

—

4.0

-0.4

4.3

—

2.1

+1.5

—

4.0

—

4.3

—

2.1

—

50

3.9

-0.3

50

4.3

—

2.2

+1.4

—

3.9

—

4.1

-0.8

2.2

—

—

3.9

—

4.1

—

1+00

2.2

—

—

3.9

—

4.5

-0.9

2.3

+1.3

—

3.9

—

4.5

—

2.1

+1.2

3+00

4.0

-0.4

3+00

4.5

—

2.1

—

—

4.0

—

4+00

2.1

—

—

4.0

—

50

2.8

+0.8

—

4.0

—

2.8

—

—

4.0

—

1+70

3.5

+0.1

3+50

4.1

-0.5

E1+

9-26-17

80+00 "D" 9-26-17

(30)

80+00

DIST SOUND

DIST SOUND

80+00=STA-80+00 ON 100' OFFSET LINE (3/4) SOUND SOUTH AT 90°

3+60 1.0 -0.5

DIST SOUND

DIST SOUND

4.1 -0.6

0+00 2.1 +1.1 1+80 2.1 +1.1

4.1 —

2.2 +1.3 11:25 2.5 +1.0

4.1 —

11:23 2.1 +1.4 2+00 2.6 +0.9

4+00 4.1 —

(3.5) 2.1 — (3.5) 2.7 +0.8 (3.5) 4.1 —

2.1 — 2.9 +0.6

4.2 -0.7

50 2.1 — 3.0 +0.5

4.2 —

2.2 +1.3 3.0 —

4.3 -0.8

2.2 — 50 3.1 +0.4

50 4.1 -0.9

2.0 +1.5 3.2 +0.3

4.2 -0.7

2.0 — 3.3 +0.2

4.2 —

1+00 2.0 — 3.5 0.0

4.1 -0.9

2.0 — 3.8 -0.3

4.1 —

2.0 — 3+00 4.0 -0.5

4+00 4.1 —

2.0 — 4.0 —

11:30

2.0 — 4.1 -0.6

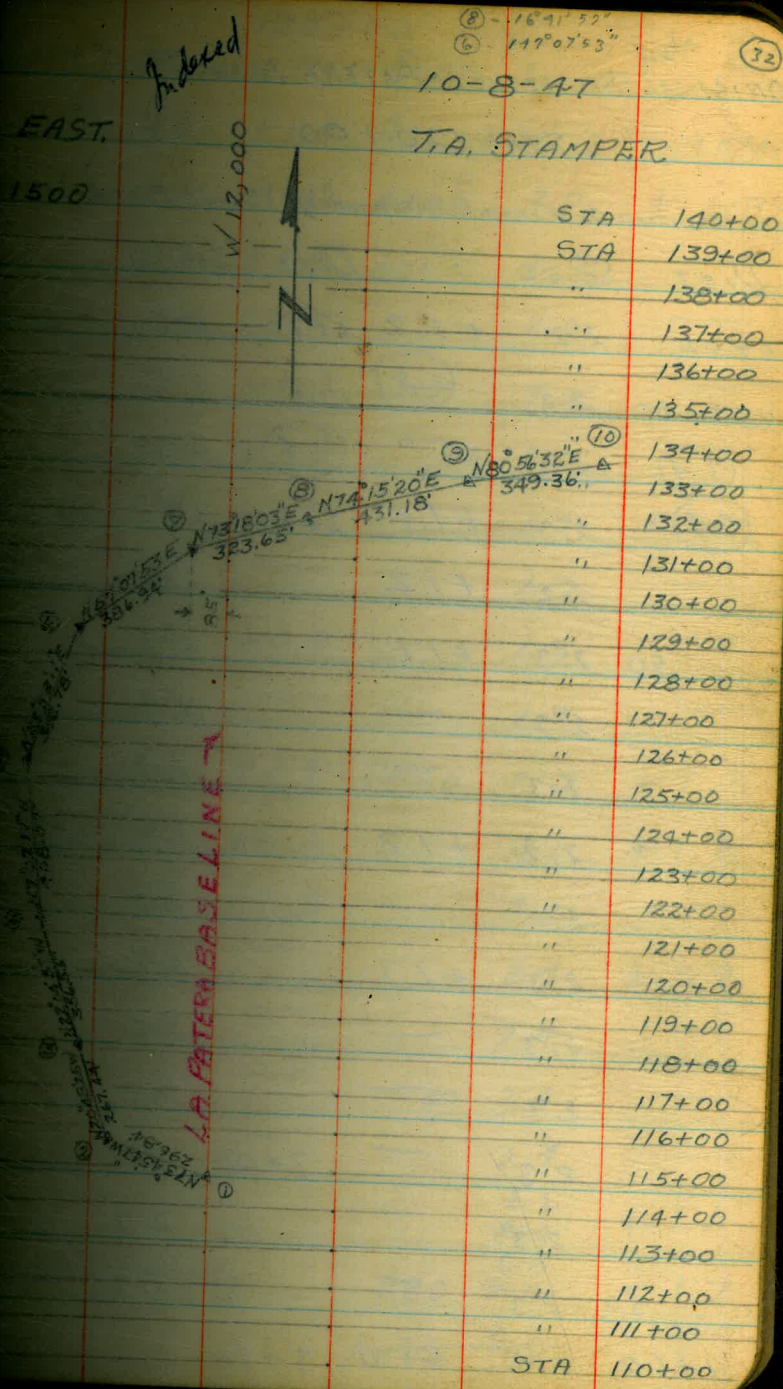
50 2.0 — 4.0 -0.5

2.1 +1.4 4.0 —

1+70 2.2 +1.3 3+50 4.0 —

BASELINE LAYOUT FOR
ORIGINAL X-SECTIONS OF
LA PATERA ISLAND PROJ. NO. 3-1

STA	NORTH	WEST	WEST	EAST
			1500	1700
				1600
①	11,467	12,000	300	1700
			400	1800
②	11,550	12,285	600	1900
			600	1700
③	11,800	12,380	700	1600
			700	1500
④	12,130	12,515	700	1500
			800	1500
⑤	12,535	12,565	900	1200
			1000	500
⑥	12,885	12,410	1100	1000
			1100	1000
⑦	13,095	12,085	1100	1000
			1100	1000
⑧	13,188	11,775	1100	1000
			1100	1000
⑨	13,305	11,360	1100	1000
			1100	1000
⑩	13,360	11,015	1000	2000
			1000	4000
			1000	5000
			900	6000
			900	7000
			900	7000
			900	7000
			800	6000
			800	5000
			800	6000
			700	5000
			600	5000



ORIGINAL SOUNDINGS - PATERA ISLAND PROJ. #3-1

~~DX~~

STA-120+00

0+00 = STA-120+00 ON W-13,000 LINE (CA PATERA B/L) SOUND EAST AT 30

DIST	SOUND	DIST	SOUND
0+00	2.2 +1.2	1+70	2.4 +1.1
11:08 +00	2.2 —	11:10	2.4 —
(3.4)	2.2 —	(3.4)	2.4 —
(3.4)	2.3 +1.1	2+00	2.4 —
	2.2 +1.2		2.4 —
50	2.3 +1.1		2.4 —
	2.3 —		2.4 —
	2.3 —		2.4 —
	2.2 +1.2	50	2.4 —
	2.2 —		2.4 —
1+00	2.3 +1.1		2.4 —
	2.3 —		2.4 —
	2.3 —		2.4 —
	2.3 —	3+00	2.4 —
	2.3 —		2.4 —
50	2.3 —		2.1 +1.1
1+60	2.4 +1.0	3+30	2.1 —

120+00

10-10-47

Indt (33)

DIST	SOUND	DIST	SOUND
2+10	2.0 +1.4	0+00	2.0 +1.3
50	2.1 +1.3	0+00	2.0 +1.3
	2.2 +1.2	11:22	2.0 —
(3.4)	2.2 —		2.0 —
	2.1 +1.3	(3.3)	2.0 —
	2.3 +1.1	50	2.0 —
2+00	2.4 +1.0		1.9 +1.4
	2.4 —		1.9 —
	2.5 +0.9		1.9 —
	2.5 —		1.9 —
	2.0 +1.4	1+00	2.0 +1.3
50	1.9 +1.5		2.1 +1.2
	1.8 +1.6		2.1 —
	1.8 —		2.1 +0.9
	1.8 —		2.1 —
	1.8 —	50	2.1 —
	1.8 —		2.4 —
	1.8 —		2.2 +1.1
	1.8 —		2.2 —
	1.8 —	1+80	5.0 -1.7
	1.8 —	1+90	5.0

10-10-97

DIST	SOUND	120+00	DIST	SOUND
1+90	6.7	-3.4	3+90	1.7 +1.6
2+00	8.0	-4.7	4+00	1.7 —
	8.7	-5.4		1.7 —
(3.3)	9.6	-6.3	(3.3)	1.7 —
	10.8	-7.5		1.6 +1.7
	11.7	-8.4		1.5 +1.8
50	12.6	-9.3	50	1.4 +1.9
	13.0	-9.7		1.5 +1.8
	12.3	-9.0		1.5 —
	10.8	-7.5		1.4 +1.9
	9.0	-5.7		1.5 +1.8
3+00	11.5	-8.2	5+00	1.5 —
	6.0	-2.7		1.5 —
	5.1	-1.8		1.4 +1.9
<u>11:25</u>	3.0	+0.3		1.3 +2.0
	2.1	+1.2		1.4 +1.9
50	1.9	+1.4	50	1.4 —
	1.8	+1.5		1.4 —
	1.8	—		1.3 +2.0
3+80	1.7	+1.6	5+80	1.3 —

10-10-97

DIST	SOUND	120+00	DIST	SOUND
5+90	1.1	+2.2	7+90	0.9 +2.3
6+00	1.1	—	8+00	0.9 —
(3.3)	1.1	—	(3.2)	0.9 —
11:30	1.1	—	11:33	0.9 —
(3.2)	1.1	+2.1		0.9 —
	1.4	+1.8		0.9 —
50	1.4	—	50	0.9 —
	1.3	+1.9		0.9 —
	1.2	+2.0		0.9 —
	1.4	+1.8		0.9 —
	1.3	+1.9		0.8 +2.4
7+00	1.3	—	9+00	0.8 —
	1.3	—		0.7 +2.5
	1.2	+2.0		0.7 —
	1.5	+1.7		0.6 +2.6
	1.2	+2.0		0.6 —
50	1.2	—	50	0.5 +2.7
	1.1	+2.1	<u>11:35</u>	
	1.0	+2.2	60	0.4 +2.8
			70	0.3 +2.9
			80	0.3 —
			90	0.2 +3.0
			10+00	0.2 —

(34)

PX

110+00

(PATERA 2/4)

0+00=STATION 110+00 ON W12,000 LINE: SOUND EAST AT 90° T. B/L

DIST	SOUND		DIST	SOUND	
0+00	4.8	+0.9	1+80	5.1	+0.6
09:05	1.8	—		9.0	-3.3
	4.8	—	2+00	9.4	-3.7
(5.7)	4.8	—		9.9	-4.2
	4.9	+0.8		10.2	-4.5
50	1.2	+1.5		10.3	-4.6
	1.2	—	(5.7)	10.3	—
	4.1	+1.6	50	10.5	-4.8
	4.0	+1.7		10.7	-5.0
	3.7	+2.0		11.0	-5.1
1+00	3.2	+2.5		11.0	—
	3.0	+2.7		11.3	-5.2
	2.7	+3.0	3+00	11.3	—
	2.4	+3.3		11.4	-5.7
	2.4	—		11.4	—
50	2.4	—		11.4	—
	2.8	+2.9		11.0	-5.3
1+70	4.0	+1.7	3+50	11.0	—

DIST SOUND

110+00

10-13-17

(35)

DIST SOUND

DIST	SOUND		DIST	SOUND	
3+60	10.8	-5.0	SOUND WEST AT 90° T. B/L		
	10.0	-4.2	0+10	4.5	+1.3
	9.3	-3.5	09:13	4.4	+1.4
	9.0	-3.2		4.3	+1.5
	9.0	—	4+00	4.1	+1.7
	9.0	—		4.0	+1.8
	9.0	—	50	3.0	+2.8
	8.6	-2.8	(5.8)	2.7	+3.1
	6.0	-0.2		2.7	—
50	4.8	+1.0		2.8	+3.0
	3.2	+2.6	1+00	2.9	+2.9
(5.8)	3.7	+2.1		3.0	+2.8
	3.2	+2.6		3.0	—
	2.1	+3.7		2.9	+2.9
	2.2	+3.6		2.9	—
			50	2.9	—
				2.8	+3.0
				2.8	—
				2.8	—
			1+90	2.8	—

110+00		10-13-17	
DIST	SOUND	DIST	SOUND
2+00	2.8	+3.0	4+00 2.7 +3.4
	2.7	+3.1	2.5 +3.3
	2.7	—	2.7 +3.4
	2.6	+3.2	2.9 —
	2.6	—	2.9 —
50	2.6	—	50 2.9 —
	2.5	+3.3	2.4 —
	2.4	+3.4	2.4 —
	2.4	—	(5.8) 2.4 —
	2.5	+3.3	2.5 +3.3
3+00	2.5	—	5+00 2.5 —
(5.8)	2.4	+3.4	2.4 +3.4
	2.4	—	2.7 —
	2.4	—	2.9 —
	2.4	—	2.5 +3.3
50	2.4	—	50 2.5 —
	2.4	—	2.5 —
09:17	2.4	—	2.5 —
	2.4	—	2.5 —
3+90	2.4	—	09:19 2.5 —
			6+00 2.5 —

111+00		10-13-17	
DIST	SOUND	DIST	SOUND
STATION 11000 PATTERNS #1: SOUND WERT AT 90° TO B/L.			
2+00	1.9	+0.9	1+80 3.0 +2.8
09:24	1.9	—	3.0 —
	1.5	+1.3	2+00 3.0 —
	1.2	+1.6	3.0 —
(5.8)	3.7	+2.1	3.0 —
50	3.2	+2.6	2.9 +2.9
	3.0	+2.8	2.9 —
	3.0	—	(5.8) 50 2.9 —
	3.0	—	2.9 —
	3.1	+2.7	2.9 —
1+00	3.0	+2.8	2.8 +3.0
	3.0	—	2.8 —
	3.0	—	3+00 2.8 —
	3.0	—	2.7 +3.1
	3.0	—	2.8 +3.0
50	3.0	—	2.7 +3.1
	3.0	—	09:30 2.7 +3.1
1+70	3.0	—	3+50 2.5 +3.3

111+00				10-13-17				111+00				10-13-17			
DIST	SOUND		DIST	SOUND		DIST	SOUND		DIST	SOUND		DIST	SOUND		(37)
3+60	2.5	+3.3	5+60	2.8	+3.0	0+50	5.0	+0.8	2+50	0.1	-4.3				
	2.5	—		2.8	—		4.8	+1.0	03:48	10.8	-5.0				
	2.5	—		2.8	—		4.1	+1.7		11.0	-5.2				
	2.5	—	09:33	2.8	—		3.2	+2.6		11.1	-5.3				
4+00	2.5	—	6+00	2.8	—		3.0	+2.8		11.3	-5.5				
	2.5	—		2.7	+3.1	1+00	2.8	+3.0	3+00	11.4	-5.6				
	2.5	—	(5.8)	2.7	—		2.8	—		11.5	-5.7				
	2.5	—		2.8	+3.2		2.6	+3.2		11.6	-5.8				
(5.8)	2.5	—		2.8	—	(5.8)	2.6	—	(5.8)	11.8	-6.0				
50	2.5	—	50	2.8	—		2.5	+3.3		11.8	—				
	2.5	—		2.8	—	50	2.5	—	50	11.8	—				
	2.5	—		3.0	+2.8		2.4	+3.4		11.8	—				
	2.5	—		3.0	—		2.4	—		11.8	—				
	2.6	+3.2		3.2	+2.8		2.4	—		11.7	-5.9				
	2.6	—	09:35	3.2	—		2.5	+3.3		11.5	-5.7				
5+00	2.6	—	7+00	3.2	—		2.5	+3.3		11.5	-5.7				
	2.6	—	SOUND EAST AT 90°	2+00	2.9	+2.9	4+00	11.0	-5.2						
	2.6	—	0+10	4.9	+0.8		4.5	+1.3		10.0	-4.2				
	2.7	+3.1	09:45	5.2	+0.8		5.6	+0.2		9.1	-3.3				
	2.7	—		5.2	—		8.0	-2.2		8.8	-3.0				
5+50	2.7	—	0+40	5.0	+0.8	2+40	3.1	-3.6	4+40	8.2	-2.4				

10-13-47

DIST	SOUND	111+00	DIST	SOUND
9+50	7.3	- 1.5		
	5.5	+ 0.3		
	4.7	+ 1.1		
(5.8)	3.8	+ 2.0		
	2.8	+ 3.0		
5+00	2.2	+ 3.6		

10-13-47

112+00 ON PATTERA B/L: SOUND WEST AT 90° TO B/L.

DIST	SOUND	112+00	DIST	SOUND
1+00	5.1	+ 0.7	1+80	2.9 + 2.9
2+00	5.1	—		2.9 —
	5.0	+ 0.8	2+00	3.0 + 2.8
	3.5	+ 2.3		3.0 —
	3.0	+ 2.8		3.0 —
50	3.0	+ 2.8		3.0 —
	2.9	+ 2.9	(5.8)	2.9 + 2.9
(5.8)	2.8	+ 3.0	50	3.1 + 2.7
	2.7	+ 3.1		3.0 + 2.8
	2.7	—		3.0 —
4+00	2.7	—		3.0 —
	2.8	+ 3.0		2.9 + 2.9
	2.8	—	7+00	2.9 —
	2.8	—		2.9 —
	2.8	—		2.9 —
50	2.9	+ 2.9		2.9 —
	2.9	—	09:53	2.9 —
7+00	2.9	—	9+50	2.9 —

		112+00		10-13-17	
DIST	SOUND	DIST	SOUND	DIST	SOUND
3+60	2.7	+3.1	5+60	2.8	+3.0
	2.6	+3.2		2.8	—
	2.6	—		2.8	—
	2.6	—		2.8	—
4+00	2.6	—	6+00	2.9	+2.9
	2.6	—		2.9	—
	2.7	+3.1		2.9	—
(5.8)	2.8	+3.0	(5.8)	2.9	—
	2.8	—		2.9	—
50	2.8	—	50	2.9	—
	2.8	—		3.1	+2.7
	2.8	—		3.1	—
	2.8	—		3.1	—
	2.8	—		3.1	—
5+00	2.7	+3.1	7+00	3.1	—
	2.7	—		3.2	+2.6
	2.7	—		3.3	+2.5
	2.7	—		3.3	—
	2.8	+3.0		3.4	+2.4
5+50	2.8	—	7+50	3.5	+2.3

		112+00		10-13-17	
DIST	SOUND	DIST	SOUND	DIST	SOUND
7+00	3.5	+2.3	1750	2.7	+3.0
	3.5	—		2.6	+3.1
(5.8)	3.5	—		2.6	—
09:56	3.5	—		2.6	—
8+30	3.5	—		2.5	+3.2
SOUND EAST AT 90° TO BH.					
2+00	5.1	+0.6	2+00	2.5	—
07+10	5.1	—		2.4	+3.3
10:00	(5.7)	—		2.3	+3.4
	5.1	—		2.3	—
	5.0	+0.7		2.3	—
50	4.7	+1.0	50	3.0	+2.7
	4.0	+1.7	(5.7)	1.0	+1.7
	3.1	+2.6		4.8	+0.9
	2.8	+2.9		8.0	-2.3
	2.8	—		9.7	-4.0
1+00	2.8	—	3+00	10.2	-4.5
	2.8	—		10.5	-4.8
	2.8	—		11.1	-5.4
	2.7	+3.0		12.0	-6.3
1+40	2.7	—	3+40	12.3	-6.6

112+00		10-13-47	
DIST	SOUND	DIST	SOUND
3+50	12.6	5+50	2.2 + 3.5
	12.6		2.2
	12.6		2.0 + 3.7
	13.1		2.0 + 3.7
10:03	12.8	10:05	2.1 + 3.6
4+00	12.5	6+00	2.2 + 3.5
(5.7)	12.3	(5.7)	
	12.1		
	11.8		
	11.5		
50	10.8		
	10.1		
	9.2		
	8.0		
	5.0		
5+00	3.7		
	2.8		
	2.0		
	1.8		
5+10	2.0		

113+00		10-13-47	
DIST	SOUND	DIST	SOUND
+002570-113000 PATARA B/L: SOUND WEST AT 90° TO B/L.			
0+00	4.7	1+80	3.0 + 2.7
10:10	4.6	10:13	3.0
	3.8	2+00	3.0
(5.7)	3.0		3.0
	3.0	(5.7)	3.1 + 2.6
50	3.0		3.0 + 2.7
	2.9		3.0
	2.9		50 3.1 + 2.6
	2.9		3.1
	2.8		3.1
1+00	2.8		3.1
	2.9		3.1
	2.9		3+00 3.1
	3.0		3.1
	3.0		3.0 + 2.7
50	3.0	(5.6)	3.0 + 2.6
	3.0		2.9 + 2.7
1+70	3.0		3+50 2.9

		113+00		10-13-47	
DIST	SOUND	DIST	SOUND	DIST	SOUND
3+60	3.0	+2.6	5+60	2.8	+2.8
	3.0	—		2.8	—
	2.9	+2.7		2.8	—
	2.8	+2.8		2.8	—
1+00	2.9	+2.7	6+00	2.8	—
	2.9	—		2.9	+2.7
(5.6)	2.9	—		2.9	—
	2.8	+2.8		2.9	—
	2.9	+2.7		2.9	—
50	2.9	—	50	2.9	—
	2.9	—		2.9	—
	2.9	—		2.9	—
	2.9	—		2.9	—
	2.8	+2.8	(5.6)	3.0	+2.6
5+00	2.7	+2.9	7+00	3.0	—
	2.7	—		3.0	—
	2.7	—	10:18	3.1	+2.5
	2.8	+2.8		3.1	—
	2.8	—		3.2	+2.4
5+50	2.8	—	7+50	3.2	—

		113+00		10-13-47	
DIST	SOUND	DIST	SOUND	DIST	SOUND
7+60	3.3	+2.3	1+50	2.4	+3.2
	3.3	—		2.3	+3.3
	3.1	+2.2		2.4	+3.2
	3.4	—		2.4	—
8+00	3.4	—		2.2	+3.4
	3.4	—		2.3	+3.3
	4.7	+0.9		2.3	—
	4.8	+0.8		2.2	+3.4
(5.6)	4.7	+0.9		2.4	+3.2
	4.7	—		2.4	—
50	7.6	+1.0	50	2.4	—
	4.0	+1.6		2.4	—
	3.2	+2.4		2.4	—
	2.8	+2.8		2.4	—
	3.0	+2.6		2.4	—
1+00	2.8	+2.8	3+00	2.4	—
	2.6	+3.0	10:25	4.5	+1.1
	2.6	—	(5.5)	2.5	-2.0
	2.5	+3.1		9.4	-3.9
1+40	2.5	—	3+40	10.0	-4.5

113+00		10-13-17	
DIST	SOUND	DIST	SOUND
3+50	11.0	-5.5	5+50 2.0
	12.1	-6.6	2.6
	12.5	-7.0	2.0
	13.1	-7.9	1.8
	14.0		
	13.0	-8.5	6+00 1.8
4+00	14.0		
	13.0		
	14.0		
(5.5)	14.0		
	13.7	-8.2	
	14.1	-8.6	
50	12.8	-7.3	
	12.2	-6.7	
	12.0	-6.5	
	11.1	-5.6	
	10.5	-5.0	
5+00	9.7	-4.2	
	8.0	-2.5	
	5.5	0.0	
	5.5		
10	3.4	+2.1	
5+50	2.9	+2.8	

114+00				10-13-17	
DIST	SOUND	DIST	SOUND	DIST	SOUND
+ 3.5					
+ 2.9					
+ 3.5					
+ 3.7					
+ 3.8					
(5.4)	2.9	+2.0			
	3.0	+2.4			
50	3.0		(5.4)	3.2	
	3.0			3.2	
	3.0			3.2	
	3.0		50	3.2	
	3.0			3.1	+2.3
	3.1	+2.3		3.1	
1+00	3.0	+2.4		3.1	
	3.0			3.1	
	3.0			3.1	
	3.0		3+00	3.1	
	3.0			3.1	
	3.0			3.1	
50	3.1	+2.3		3.0	+2.4
	3.1			3.0	
1470	3.2	+2.2	3+50	3.0	

114+00 PATTERA B/L: SOUND WEST AT 90° T. B/L

		11A+00			10-13-17					11A+00			10-13-17		
DIST	SOUND	DIST	SOUND	DIST	SOUND	DIST	SOUND	DIST	SOUND	DIST	SOUND	DIST	SOUND	DIST	SOUND
3+00	3.0	+2.4	5+00	2.9	+2.5	7+00	8.0	-2.6	1+50	3.1	+2.2				
	3.0	—		2.9	—		8.5	-3.1		3.1	—				
	3.0	—		2.8	+2.6	(5.4)	8.8	-3.4		3.0	+2.3				
	3.0	—		2.8	—		8.8	—		3.0	—				
4+00	3.0	—	6+00	2.8	—	8+00	8.8	—		3.0	—				
	3.0	—		2.8	—		SOUND EAST AT 90° 2.8/4	2700	3.0	—					
	3.0	—		2.8	—		5+10	4.0	+1.3		3.2	+2.1			
(5.4)	3.0	—	(5.4)	2.8	—		5+10	3.8	+1.5		3.2	—			
	3.0	—		2.8	—	(5.3)	3.5	+1.8	(5.3)	3.2	—				
50	3.0	—	50	2.8	—		3.0	+2.3		3.0	+2.3				
	3.0	—		2.8	—	50	2.8	+2.5	50	3.0	—				
	3.0	—		2.8	—		2.6	+2.7		2.8	+2.5				
	3.0	—		2.9	+2.5		2.5	+2.8		2.8	—				
	3.0	—		2.9	—		2.5	—		2.8	—				
5+00	2.9	+2.5	7+00	2.9	—		2.5	—		2.7	+2.6				
	2.9	—		3.0	+2.4	1+00	2.5	—	3+00	2.7	—				
	2.9	—		3.3	+2.1		2.5	—	10:45	2.6	+2.7				
	2.9	—		4.0	+1.4		2.8	+2.5	(5.3)	2.6	—				
	2.9	—		5.1	+0.3		3.0	+2.3		2.6	—				
5+50	2.9	—	7+50	6.8	-1.4	1+40	3.1	+2.2	3+40	2.6	—				

DIST	SOUND	114+00	DIST	SOUND	10-13-47
3+50	2.6	+2.7	5+50	7.1 H.I.	-1.8
	3.7	+1.6		5.2	+0.1
	7.5	-2.2		3.6	+1.7
	9.4	-4.1	(5.3)	2.6	+2.7
	11.0	-5.7	10+00	2.0	+3.3
4+00	12.5	-7.2	6+00	1.7	+3.5
	13.0	-7.7			
(5.3)	13.0	—			
	13.1	-7.8			
	13.1	—			
50	13.0	-7.7			
	12.1	-6.8			
	12.5	-7.2			
	12.5	—			
	12.5	—			
5+00	12.4	-7.1			
	12.0	-6.7			
	11.1	-5.8			
	10.0	-4.7			
5+40	8.8	-3.5			

FINAL X-SECTIONS PROJECT # 8

STA-92+00

(R-98+00) SECTIONS AT 90° TO T.P./L.

STA	H.I.	ELEV
T.B.M	3.55	16.95
E 6+00		3.9
E 5+40		4.0
E 5+00		3.2
E 4+55		2.6
E 4+00		2.4
E 3+53		2.9
E 3+00		2.9
E 2+47		3.4
E 2+00		3.1
E 1+50		3.5
E 1+00		3.8
E 0+50		4.5
E 0+00		4.9
W 0+30		4.9
W 0+52		6.3
W 0+92		8.1
W 1+20		9.8
W 1+47		11.5
W 1+70		14.2
T.P.		2.61

30' W
574.92+00
R-109+00

15' W 93+00
R-98+00

10-13-17

PX
STA-91700

4.00

0+002 STA-91700 R-100700

STA	+	H.I.	-	ELEV
T.P		16.95	3.85	13.10
	4.38	17.98		13.10
5+00			4.9	12.5
W 0+50			5.1	12.3
W 1+05			5.1	—
W 1+63			7.1	10.3
W 2+20			9.8	7.6
W 2+70			13.4	4.0
E 0+55			4.9	12.5
E 1+10			4.7	12.7
E 1+65			4.3	13.1
E 2+22			4.4	13.0
E 2+95			4.5	12.9
E 3+45			4.4	13.0
E 4+00			3.8	13.6

10-13-17

75

PX
STA-93700

0+002 R-98700 STA 93700; SECTION AT 30° To R/L.

STA	+	H.I.	-	ELEV
T.B.M	4.00	18.34		14.34
W 210			13.7	4.6
W 1+87			11.8	6.5
W 1+39			9.8	8.5
W 1+25			7.0	11.3
W 0+35			6.4	11.9
W 0+50			5.5	12.8
0+00			5.0	13.3
E 0+45			4.3	14.0
E 0+95			4.1	14.2
E 1+55			3.5	14.8
E 2+05			3.3	15.0
E 2+70			3.0	15.3
E 3+30			3.1	15.2
E 4+10			3.6	14.7

20' N
R-98700
S93700

Sta 94+00

95+00

10-13-47 (26)

0+00 = R 98+00 Sta 94+00 Section at 90° to Bl

4+00 = STA-95+00 R-98+00

Sta	+ H.I.	-	ELEV	TR.M 20' Mark Sta 94+00	STA	+ H.I.	-	ELEV	Ad. NF 95+00
T.B.M	4.95	19.29	14.34		T.B.M	4.16	20.01	15.85	
E 4+25		5.5	13.7		W 2+50		13.9	6.1	
E 3+00		5.0	14.2		W 2+20		11.6	8.4	
E 3+45		4.4	14.8		W 1+35		9.7	10.3	
E 2+95		4.1	15.1		W 1+70		8.4	11.6	
E 2+45		3.6	15.6		W 1+40		2.6	12.4	
E 2+05		3.4	15.8		W 1+00		6.8	13.2	
E 1+60		3.6	15.6		W 0+50		5.8	14.2	
E 1+22		3.8	15.4		W 0+20		4.9	15.1	
E 0+85		3.7	15.5		E 0+60		4.0	16.0	
E 0+45		4.4	14.8		E 1+20		4.4	15.6	
0+00		4.9	14.3		E 1+75		4.3	15.7	
T.P.		3.44	15.85	40' NF Sta 95+00	E 2+30		4.7	15.3	
W 0+45		5.4	13.8		E 2+85		5.5	14.5	
W 0+85		5.8	13.4		E 3+50		6.4	13.6	
W 1+35		6.7	12.5		E 4+10		6.7	13.3	
W 1+70		8.2	11.0						
W 2+04		11.3	7.9						
W 2+40 STAKE		13.5	5.7						

PX

96+00

10-13-47

0700 = STA-26+00 - R-98+00

STA	+	H.I.	-	ELEV
T.B. M,	3.86	19.71		15.85 ^{40' H.I.}
E 4+30			5.2	14.5
E 3+70			3.9	15.8
E 3+20			3.6	16.1
E 2+65			3.2	16.5
E 2+10			3.3	16.4
E 1+65			2.9	16.8
E 1+08			3.4	16.3
E 0+45			3.9	15.8
0+00			4.9	14.8
W 0+50			5.7	14.0
W 1+08			6.6	13.1
W 1+72			8.0	11.7
W 2+35			11.6	8.1
W 2+60			13.6	6.1

14 SW

BARRISAN
SHEPARD
STANLEY

10-14-47

ORIGINAL SOUNDINGS - PATERA ISLAND PROJ - #3-1 (17)

STA - 115+00

PX

2+00 = STA-115+00 - PATERA B/L: SOUND EAST AT 90° To B/L.

DIST	SOUND	DIST	SOUND
1+00	3.2 +2.5	1+70	2.8 +2.9
2+00	3.2	(5.7)	2.8
(5.7)	3.1 +2.6		2.9 +2.8
	3.1	2+00	2.9
	3.1		2.9
50	3.0 +2.7		2.9
	3.0		2.9
	3.0		3.0 +2.7
	3.0	50	3.0
03:20	2.8 +2.9		3.0
1+00	2.8		3.7 +2.0
	2.8		3.1 +2.6
	2.8		3.3 +2.4
	2.8	3+00	3.5 +2.2
	2.8		3.8 +1.9
50	2.8		4.1 +1.6
1+60	2.8	3+30	4.1

		115+00			
DIST	SOUND	DIST	SOUND	DIST	SOUND
4+30	4.0	+1.7	6+30	6.7	-1.0
	4.0	—		8.7	-3.0
50	4.0	—	50	9.3	-3.6
(5.7)	4.0	—	(5.7)	9.5	-3.8
	4.0	—		9.8	-4.0
	3.8	+1.9		10.0	-4.2
	3.5	+2.2		10.0	—
5+00	3.5	—	7+00	10.3	-4.5
	3.7	+2.0		10.5	-4.8
	3.8	+1.9		10.6	-4.9
	3.8	—		10.9	-5.2
	3.9	+1.8		11.0	-5.3
50	3.8	+1.9	50	11.0	—
	3.5	+2.2		10.8	-5.1
	3.5	—		10.6	-4.9
	3.5	—	09:33	10.2	-4.5
	3.5	—		10.4	-4.7
6+00	3.5	—	8+00	10.3	-4.6
	4.5	+1.2		10.1	-4.4
6+20	5.2	+0.5	8+20	10.0	-4.3

		115+00		10-14-47	
DIST	SOUND	DIST	SOUND	DIST	SOUND
8+30	10.0	-4.3			
	9.6	-3.9			
50	9.1	-3.4			
(5.7)	9.0	-3.3			
	8.7	-3.0			
	8.2	-2.5			
	8.0	-2.3			
9+00	7.8	-2.1			

10-14-47

116+00

~~0+00 = STA-116+00 ON PATTERA 1/4. SOUND EAST AT 90°~~

DIST	SOUND	DIST	SOUND
0+00	3.3 +2.5	1+00	3.4 +2.4
<u>09:41</u>	3.3	(5.8)	3.5 +2.3
	3.2 +2.6	2+00	3.8 +2.5
(5.8)	3.2	<u>09:43</u>	3.8
	3.2		3.9 +1.9
50	3.2		3.9
	3.2		3.9
	3.2	50	4.0 +1.8
	3.2		3.9 +1.9
	3.2		3.9
1+00	3.2		3.9
	3.2		4.1 +1.7
	3.2	3+00	4.1
	3.3 +2.5		4.0 +1.8
	3.3		4.0
50	3.3		4.0
	3.3		4.4 +1.4
1+70	3.4 +2.4	3+50	4.5 +1.3

10-14-47 (50)

116+00

DIST	SOUND	DIST	SOUND
3+60	4.5 +1.3	5+60	13.1 -7.3
	4.0 +1.8		13.0 -7.2
(5.8)	3.5 +2.3	(5.8)	13.0
	3.5		12.9 -6.9
4+00	3.5	6+00	11.8 -6.0
	3.5		10.7 -4.9
	3.5		10.0 -4.2
	3.5		8.8 -3.0
	3.5		7.6 -1.8
50	5.5 +0.3	50	6.0 -0.2
	9.0 -3.2		5.3 +0.5
	11.1 -5.3		3.7 +2.1
	12.0 -6.2		3.2 +2.6
	12.0 -7.2	<u>09:47</u>	3.1 +2.7
5+00	13.4 -7.6	7+00	3.0 +2.8
	13.5 -7.7	<u>SOUND WEST AT 90° TO 1/4.</u>	
	13.3 -7.5	0+10	3.3 +2.5
	13.2 -7.4	<u>09:50</u>	3.4 +2.4
	13.3 -7.5	(5.8)	3.5 +2.3
5+50	13.3	0+40	3.5

10-14-17

DIST	SOUND	116+00	DIST	SOUND	116+00
0+50	3.7	+2.1	2+50	4.0	+1.8
	4.3	+1.5		4.0	—
(5.8)	4.8	+1.0	(5.8)	4.0	—
	4.8	—		4.0	—
	4.6	+1.2		4.0	—
1+00	4.0	+1.8	3+00	4.0	—
	4.0	—		4.0	—
	4.0	—		4.0	—
	4.0	—		4.2	+1.6
	4.0	—		4.1	+1.7
	4.0	—	09:53	4.1	+1.7
50	4.0	—	50	4.0	+1.8
	4.1	+1.7		4.0	—
	4.2	+1.6		3.8	+2.0
	4.2	—		3.8	—
	4.2	—		3.8	—
2+00	4.2	—	4+00	3.8	—
	4.1	+1.7		3.9	+1.9
	4.0	+1.8		3.9	—
	4.0	—		3.9	—
2+40	4.0	—	4+40	3.8	+2.0

10-14-17 (5)

DIST	SOUND	116+00	DIST	SOUND	116+00
4+50	3.8	+2.0	6+50	12.1	-6.3
	3.8	—		12.0	-6.2
(5.8)	3.8	—	(5.8)	12.0	—
	3.9	+1.9		11.2	-5.4
	4.0	+1.8		9.5	-3.7
5+00	5.0	+0.8	7+00	8.4	-2.6
	5.0	—		7.1	-1.3
	6.0	-1.1		6.5	-0.7
	8.5	-2.7		6.5	—
	10.0	-4.2		5.2	+0.6
50	11.0	-5.2	50	4.8	+1.0
	12.0	-6.2		4.8	—
09:55	13.1	-7.3		4.8	—
	13.5	-7.7		5.1	+0.7
	13.0	-7.2		5.1	—
6+00	13.0	—	8+00	5.1	—
	13.5	-7.8		5.1	—
	13.2	-7.4	09:58	5.2	+0.6
	13.0	-7.2		5.3	+0.5
6+40	12.4	-6.6	8+40	5.6	+0.2

116+00

DIST	SOUND	DIST	SOUND
8+50	6.0	-0.2	
(5.8)	6.8	-1.0	
	7.5	-1.7	
	8.0	-2.2	
	7.5	-1.7	
9+00	7.5	—	

09:59

117+00

10-14-17 (52)

STATION 117+00 ON PATTERA B/L: SOUND EAST AT 90° T. B/L.

DIST	SOUND	DIST	SOUND
8+00	3.5	+2.3	1+80 4.0 +1.8
8:07	3.5	—	4.0 —
	3.5	—	2+00 4.0 —
(5.8)	3.6	+2.2	(5.8) 4.1 +1.7
	3.6	—	4.1 —
50	3.6	—	4.2 +1.6
	3.6	—	4.2 —
	3.7	+2.1	50 4.2 —
	3.7	—	4.2 —
	3.7	—	4.2 —
100	3.6	+2.2	4.3 +1.5
	3.6	—	4.3 —
	3.6	—	3+00 4.4 +1.4
	3.6	—	4.4 —
	3.7	+2.1	4.4 —
50	3.8	+2.0	<u>10:10</u> 4.5 +1.3
	3.8	—	4.5 —
1+70	3.9	+1.9	3+50 4.5 —

117+00				10-19-97				117+00				10-14-97			
DIST	SOUND	DIST	SOUND	DIST	SOUND	DIST	SOUND	DIST	SOUND	DIST	SOUND	DIST	SOUND	DIST	SOUND
7+50	9.5	+1.3	5+60	13.4	-7.6	0+50	4.0	+1.7	2+50	4.0	+1.7				
	9.5	—		13.5	-7.7		4.0	—		9.0	—				
(5.8)	4.3	+1.5	(5.8)	13.3	-7.5	(5.7)	4.2	+1.5	(5.7)	4.1	+1.6				
	4.2	+1.6		13.0	-7.2		4.5	+1.2		4.2	+1.5				
4+00	4.2	—	6+00	12.7	-6.9		4.5	—		4.1	+1.6				
	4.2	—		12.2	-6.5	1+00	4.3	+1.4	3+00	4.0	+1.7				
	4.2	—		11.8	-6.0		4.0	+1.7	10:20	3.7	+2.0				
	4.2	—		11.2	-5.4		4.0	—		3.7	—				
	4.2	—		10.3	-4.5		4.0	—		3.7	—				
50	4.2	—	50	9.5	-3.7		4.0	—		3.7	—				
	4.2	—		8.0	-2.2	50	4.0	—	50	3.7	—				
	4.2	—		7.5	-1.7		4.0	—		3.7	—				
	6.1	-0.3	(5.8)	5.0	+0.8		4.1	+1.6		4.2	+1.5				
	8.4	-2.6	10:14	4.4	+1.4		4.1	—		3.8	+1.9				
5+00	11.0	-5.2	7+00	5.0	+0.8		4.1	—		3.8	—				
	12.0	-6.2	SOUND WEST AT 30°			2+00	4.1	—	4+00	4.1	+1.6				
	12.8	-7.0	0+10	3.5	+2.2		4.1	—		5.2	+0.5				
	13.1	-7.3	10:17	3.5	—		4.1	—		6.5	-0.8				
	13.2	-7.4	(5.7)	3.7	+2.0		4.1	—		7.5	-1.8				
5+50	13.4	-7.6	0+10	3.8	+1.9	2+10	4.1	—	4+10	9.0	-3.3				

10-14-41

118+00

0+00 STA 118+00 ON FERRA B/L: SOUND EAST AT 90° T. B/L

	DIST	SOUND	DIST	SOUND
0+00	3.5	+2.2	1+80	4.0 +1.7
10:35	3.6	+2.1		4.0 —
	3.6	—	2+00	4.0 —
(5.7)	3.6	—	(5.7)	4.1 +1.6
	3.6	—		4.1 —
50	3.6	—		4.2 +1.5
	3.7	+2.0		4.3 +1.4
	3.7	—	50	4.3 —
	3.7	—	10:38	4.3 —
	3.8	+1.9		4.3 —
1+00	3.8	—		4.3 —
	3.9	+1.8		4.2 +1.5
	3.9	—	3+00	4.2 —
	3.9	—		4.2 —
	4.0	+1.7		4.2 —
50	4.0	—		4.2 —
	4.0	—		4.5 +1.2
1+70	4.0	—	3+50	4.5 —

10-14-41

118+00

(55)

DIST	SOUND	DIST	SOUND
3+60	4.5 +1.2	5+60	12.0 -6.4
	4.3 +1.4		11.8 -6.2
(5.7)	4.2 +1.5	(5.6)	11.5 -5.9
	4.0 +1.7	10:41	11.2 -5.6
4+00	4.0 —	6+00	11.2 —
	4.0 —		11.4 -5.8
	4.0 —		11.4 —
	3.8 +1.9		11.4 —
	3.7 +2.0		11.4 —
50	3.7 —	50	11.7 -6.1
	3.7 —		11.1 -5.5
	3.7 —		10.8 -5.2
	3.6 +2.1		10.0 -4.4
	3.5 +2.2	10:42	9.3 -3.7
5+00	3.5 —	7+00	8.3 -2.7
	6.0 -0.3	SOUND WEST AT 90° T. B/L	
(5.7)	7.7 -2.0	0+10	3.5 +2.1
(5.6)	10.2 -4.6	10:46	3.5 —
	11.3 -5.7	(5.6)	3.6 +2.0
5+50	12.0 -6.4	0+10	3.7 +1.9

		118+00		10-14-47		118+00		10-14-47		(56)	
DIST	SOUND	DIST	SOUND	DIST	SOUND	DIST	SOUND	DIST	SOUND		
0+50	3.9	+1.7	2+50	3.8	+1.8	4+50	10.5	-5.0	6+50	4.2	+1.3
	4.0	+1.6		4.0	+1.6		9.1	-3.6	4.0		+1.5
(5.6)	4.1	+1.5	(5.6)	3.7	+1.9	(5.5)	7.8	-2.3	(5.5)	3.8	+1.7
	4.1	—		3.6	+2.0		6.2	-0.7		3.7	+1.8
	4.0	+1.6		3.5	+2.1		5.9	+0.1		3.4	+2.1
1+00	3.9	+1.7	3+00	3.5	—	5+00	5.0	+0.5	7+00	3.9	—
	3.9	—		3.9	+1.7		5.0	—		4.0	+1.5
	3.9	—		4.1	+1.5		4.7	+0.8		3.5	+2.0
	3.9	—	(5.6)	5.1	+0.5		4.7	—		3.5	—
	3.9	—	<u>10:50</u>	8.5	-2.9		5.1	+0.4		3.7	+1.8
50	3.9	—	50	11.0	-5.5	50	5.1	—	50	3.7	—
	3.8	+1.8	(5.5)	11.1	-5.5		5.3	+0.2	<u>10:55</u>	3.5	+2.0
	3.8	—		12.0	-6.5		5.8	-0.3		3.6	+1.9
	3.8	—		12.0	—		5.0	+0.5		4.0	+1.5
	3.8	—		13.0	-7.5		4.8	+0.7		4.0	—
2+00	3.8	—	4+00	14.0	-8.5	6+00	4.6	+0.9	8+00	4.2	+1.3
	3.8	—		14.8	-8.5		4.5	+1.0		4.2	—
<u>10:18</u>	3.8	—		13.3	-7.5		4.6	+0.9		4.0	+1.5
	4.0	+1.6		13.0	-7.5		4.7	+1.1		4.0	—
2+40	4.0	—	4+40	14.0	-8.5	6+40	4.2	+1.3	8+40	4.0	—

10-14-47

		118+00			
DIST	SOUND	DIST	SOUND	DIST	SOUND
8+50	4.0	+1.5			
	4.1	+1.4			
(5.5)	4.0	+1.5			
	4.0	—			
10:58	4.5	+1.0			
9+00	4.8	+0.7			

10-14-47

(57)

119+00

~~119+00~~ STA-119+00 ON PATTERA B/L. SOUND EAST AT 90° TO B/L.

		119+00			
DIST	SOUND	DIST	SOUND	DIST	SOUND
10+00	3.8	+1.6	1+80	4.0	+1.4
11:06	3.8	—		4.0	—
	3.8	—	2+00	4.0	—
(5.4)	3.7	+1.7	(5.4)	4.0	—
	3.7	—		4.0	—
50	3.7	—		4.0	—
	3.8	+1.6		4.0	—
	3.8	—	50	4.0	—
	3.8	—	11:08	4.0	—
	3.8	—		4.0	—
1+00	3.8	—		4.0	—
	3.8	—		4.0	—
	3.8	—	3+00	4.0	—
	3.8	—		4.0	—
	3.8	—		4.0	—
50	3.8	—		4.0	—
	3.9	+1.5		3.9	+1.5
1+70	3.9	—	3+50	3.9	—

		119+00		10-14-47		119+00		10-14-47		(58)	
DIST	SOUND	DIST	SOUND	DIST	SOUND	DIST	SOUND	DIST	SOUND		
3+60	3.8	+1.6	5+60	10.1	-4.8	1720	3.9	+1.3	3+20	16.0	-10.8
	3.8	—		10.6	-5.3	(5.2)	3.9	—	(5.2)	16.5	-11.3
(5.4)	3.8	—	(5.3)	11.0	-5.7		3.9	—	11:18	16.6	-11.4
	3.8	—		11.0	—	50	3.9	—	50	16.0	-10.8
4+00	3.8	—	6+00	11.0	—		3.6	+1.6		14.1	-8.9
	3.8	—		11.0	—		3.9	+1.3		11.5	-6.3
	3.8	—		11.0	—		3.6	+1.6		9.5	-4.3
	3.8	—	11:12	11.0	—		3.6	—		8.0	-2.8
	3.7	+1.7	<u>SOUND WEST AT 90°</u>		4+00	3.6	—	4+00	6.8	-1.6	
(5.4) 50	3.7	—	0+10	3.8	+1.4		3.6	—		5.4	-0.2
11:10	3.6	+1.8	11:15	3.8	—		3.6	—		4.0	+1.2
(5.3)	3.6	+1.7	(5.2)	3.8	—		3.6	—		3.8	+1.4
	3.5	+1.8		3.9	+1.3		3.9	+1.3		3.8	—
	3.5	—	50	3.9	—	50	6.1	-0.9	50	4.0	+1.2
5+00	3.5	—		3.9	—		8.2	-3.0		4.0	—
	3.4	+1.9		3.9	—		9.5	-4.3		3.8	+1.4
	3.4	—		3.9	—		11.0	-5.8		3.9	+1.3
	3.5	+1.8		3.9	—		14.0	-8.8	0.3+4	4.0	+1.2
	1.5	+0.8	1+00	3.9	—	3+00	15.2	-10.0	5+00	4.0	—
5+50	9.0	-3.7	1+10	3.9	—	3+10	16.0	-10.8	5+10	4.0	—

10-19

119+00			121+00		
DIST	SOUND		DIST	SOUND	
5+20	4.0	+1.2	7+20	4.1	+1.0
11:20	4.0	—	11:23	3.7	+1.4
(5.2)	4.0	—		3.7	—
50	4.0	+1.1	50	4.0	+1.1
(5.1)	4.0	—	(5.1)	4.0	—
	4.0	—		4.0	—
	4.0	—		4.0	—
	3.8	+1.3		3.8	+1.3
6+00	3.8	—	8+00	3.8	—
	4.0	+1.1		3.7	+1.4
	4.0	—		3.5	+1.6
	4.0	—		3.6	+1.5
	3.7	+1.4		3.4	+1.7
50	3.9	+1.2	50	3.2	+1.9
	3.9	—		3.2	—
	4.0	+1.1		3.1	+2.0
	4.0	—		3.1	—
	4.1	+1.0		3.1	—
7+00	4.1	—	9+00	3.1	—
7+10	3.5	+1.6	11:26		

BARRAGAN SHERRY STANLEY 10-15-17 COOL WINDY PUGH

121+00 On PATERA B/L: SOUND EAST AT 90° To B/L.

121+00			121+00		
DIST	SOUND		DIST	SOUND	
0+00	3.9	+1.7	1+80	4.6	+1.0
50	3.9	—		4.6	—
	3.9	—	2+00	4.6	—
(5.6)	4.0	+1.6	(5.6)	4.6	—
	4.0	—		4.7	+0.9
50	4.2	+1.4		4.7	—
	4.3	+1.3		4.8	+0.8
	4.2	+1.4	50	4.8	—
	4.3	+1.3		4.8	—
	4.3	—		4.8	—
1+00	4.3	—		4.7	+0.9
	4.3	—		4.7	—
	4.3	—	3+00	4.6	+1.0
	4.3	—		4.3	+1.3
	4.4	+1.2		4.2	+1.4
50	4.4	—		4.1	+1.5
	4.5	+1.1		4.1	—
4+00	4.5	—	3+50	4.1	—

121+00			10-15-17			121+00			10-15-17		
DIST	SOUND		DIST	SOUND		DIST	SOUND		DIST	SOUND	
3+00	1.2	+1.4	1+50	9.7	-4.1	3+50	1.7	+1.0	5+50	3.1	+2.3
	5.2	+0.4		10.3	-4.7		1.1	+1.3		3.7	+2.0
(5.6)	5.2	—	(5.6)	11.0	-5.4	(5.7)	1.4	—	(5.7)	3.1	+2.3
<u>09:24</u>	4.5	+1.1		11.8	-6.2		1.9	—		3.5	+2.2
4+00	4.3	+1.3	<u>09:28</u>	12.2	-6.6		1.0	+1.7		3.1	+2.3
<u>SOUND WEST AT 90° TO B/L.</u>			2+00	12.7	-7.1	4+00	1.0	—	6+00	3.3	+2.4
0+10	4.0	+1.6		15.0	-9.4		3.9	+1.8		3.1	+2.3
<u>09:26</u>	4.0	—		12.3	-6.7		3.7	+2.0		3.5	+2.2
	4.0	—		11.4	-5.8		3.7	—		3.5	—
(5.6)	4.0	—		10.7	-4.1		3.7	—		3.5	—
50	3.9	+1.7	50	10.2	-4.6	50	3.7	—	50	3.5	—
	3.8	+1.8		9.8	-3.2		3.7	—		3.5	—
	3.8	—		9.0	-3.4		3.6	+2.1		3.5	—
	3.8	—	(5.6)	11.5	-5.9		3.7	+2.0		3.6	+2.1
	3.8	—	<u>09:30</u>	11.0	-5.4		3.6	+2.1	<u>09:35</u>	3.5	+2.2
1+00	3.8	—	3+00	5.7	-0.0	3+00	3.5	+2.2	7+00	3.5	—
	3.9	+1.7	(5.7)	5.0	+0.7	<u>09:33</u>	3.1	+2.3		3.5	—
	4.3	+1.3		4.9	+0.8		3.1	—		3.5	—
	4.9	+0.7		1.8	+0.9		3.4	—		3.5	—
1+40	8.8	-3.2	3+40	4.8	—	4+40	3.1	—	7+40	3.3	+2.4

121+00

DIST	SOUND	DIST	SOUND
7+50	3.3	+2.4	9+50 3.4
	3.3	—	3.3 +2.3
(5.7)	3.3	—	3.3 +2.4
	3.3	—	3.3 —
	3.3	—	3.3 —
8+00	3.3	—	3.3 —
	3.3	—	3.3 —
09:38	3.3	—	3.3 —
	3.3	—	3.3 —
	3.3	—	3.3 —
50	3.5	+2.2	10+00 3.3
	3.4	+2.3	09:40
	3.3	+2.4	
	3.1	+2.6	
	3.3	+2.4	
9+00	3.1	+2.6	
	3.1	—	
	3.1	—	
	3.5	+2.2	
9+40	3.5	—	

122+00

10-15-47

PX

DISTANCE 122+00 ON PATERA B/L: SOUND EAST AT 90° TO B/L.

DIST	SOUND	DIST	SOUND
07:00	3.7	+2.1	1+80 4.8
08:46	3.7	—	(5.8) 4.8
	3.7	—	09:49 5.0
(5.8)	3.8	+2.0	2+00 5.0
	4.0	+1.8	0+10 3.8
50	4.0	—	09:50 3.8
	4.0	—	3.8
	4.1	+1.7	(5.9) 3.8
	4.1	—	50 3.8
	4.0	+1.8	3.9
1+00	4.2	+1.6	4.1
	4.3	+1.5	4.2
	4.5	+1.3	4.5
	4.5	—	1+00 5.0
	4.5	—	5.1
50	4.5	—	8.0
	4.6	+1.2	9.1
1+70	4.7	+1.1	1+40 10.2

SOUND WEST AT 90° TO B/L.

		122+00		10-15-47		122+00		10-15-47		(62)	
DIST	SOUND	DIST	SOUND	DIST	SOUND	DIST	SOUND	DIST	SOUND		
1+50	11.0	-5.1	3+50	5.5	+0.4	5+50	4.0	+1.9	7+50	3.9	+2.1
	11.0	—	<u>09:55</u>	5.1	+0.5		3.8	+2.1		3.8	+2.2
(5.9)	11.4	-5.5		5.2	+0.7	(5.9)	3.8	—	(6.0)	3.8	—
	12.0	-6.1	(5.9)	5.0	+0.9		3.7	+2.2		3.7	+2.3
<u>09:53</u>	12.0	—		5.0	—		3.7	—		3.7	—
2+00	12.0	—	4+00	5.0	—	4+00	3.7	—	8+00	3.7	—
	11.5	-5.6		4.9	+1.0		3.8	+2.1		3.7	—
	11.0	-5.1		4.6	+1.3		3.9	+2.0		3.7	—
	10.7	-4.8		4.5	+1.4		3.9	—		3.8	+2.2
	10.0	-4.1		4.5	—		4.0	+1.9		3.8	—
50	8.1	-2.2	50	4.2	+1.7	50	4.0	—	50	3.9	+2.1
	7.8	-1.9		4.1	+1.8		3.9	+2.0		4.0	+2.0
	7.0	-1.1		4.1	—		3.9	—		3.9	+2.1
	7.0	—		4.0	+1.9	(5.9)	3.9	—		3.8	+2.2
	5.7	+0.2		4.0	—	<u>09:58</u>	3.9	—		3.8	—
3+00	5.1	+0.8	5+00	4.0	—	7+00	3.9	+2.1	9+00	4.0	+2.0
	5.3	+0.6		3.9	+2.0		4.0	+2.0		4.0	—
	5.5	+0.4		3.8	+2.1	(6.0)	4.0	—		3.9	+2.1
	5.5	—	<u>09:58</u>	4.0	+1.9		3.9	+2.1		3.9	—
3+40	5.5	—	5+40	4.0	—	7+40	3.9	—	9+40	3.9	—

12-15-47

DIST	SOUND	122+00	DIST	SOUND
9+50	3.9	+2.1		
	3.9	—		
(6.0)	3.9	—		
	3.9	—		
	3.9	—		
10+00	3.9	—		

10:05

10-15-47 (63)

123+00

~~SOUND EAST AT 90° TO B/L~~

DIST	SOUND	DIST	SOUND
0+00	3.8	+2.2	0+70 4.4 +1.6
10:11	3.9	+2.1	4.7 +1.3
	3.9	—	(6.0) 4.8 +1.2
(6.0)	3.9	—	1+00 5.0 +1.0
	3.9	—	6.0 0.0
50	3.9	—	10:15 9.2 -3.2
	3.9	—	9.8 -3.8
	3.9	—	10.4 -4.4
	4.0	+2.0	50 11.1 -5.1
	4.0	—	11.7 -5.7
1+00	4.1	+1.9	12.0 -6.0
SOUND WEST AT 90° TO B/L			
0+10	3.8	+2.2	12.5 -6.5
11:14	3.8	—	12.7 -6.7
(6.0)	3.8	—	2+00 12.5 -6.5
	3.9	+2.1	11.7 -5.7
50	4.0	+2.0	11.0 -5.0
0+60	4.2	+1.8	2+40 10.0 -4.0
			7.5 -1.5

		123+00		10-15-17	
DIST	SOUND	DIST	SOUND	DIST	SOUND
2+50	5.5	+0.5	4+50	5.0	+1.0
	5.0	+1.0		4.9	+1.1
(6.0)	1.8	+1.2	(6.0)	4.8	+1.2
	5.1	+0.9		4.6	+1.4
	5.0	+1.0		4.5	+1.5
3+00	5.0	—	5+00	4.5	—
	5.1	+0.9	<u>10:20</u>	4.4	+1.6
	6.0	0.0		4.4	—
	6.0	—		4.4	—
<u>10:18</u>	6.0	—		4.4	—
50	6.0	—	50	4.3	+1.7
	6.0	—		4.3	—
	6.0	—		4.2	+1.8
	6.0	—		4.2	—
	6.0	—		4.2	—
4+00	6.1	-0.1	6+00	4.2	—
	5.8	+0.2		4.3	+1.7
	5.7	+0.3		4.3	—
	5.6	+0.4		4.3	—
4+10	5.4	+0.6	6+10	4.3	—

		123+00		10-15-17	
DIST	SOUND	DIST	SOUND	DIST	SOUND
6+50	4.3	+1.7	8+50	4.5	+1.5
	4.3	—		4.4	+1.6
(6.0)	4.4	+1.6	(6.0)	4.4	—
	4.4	—		4.4	—
	4.4	—		4.4	—
7+00	4.4	—	9+00	4.4	—
	4.4	—		4.5	+1.5
	4.4	—		4.5	—
	4.4	—		4.5	—
	4.4	—		4.5	—
50	4.4	—	50	4.5	—
<u>10:23</u>	4.4	—		4.5	—
	4.4	—		4.5	—
	4.4	—		4.5	—
	4.4	—	<u>10:25</u>	4.5	—
	4.4	—		4.6	+1.4
8+00	4.4	—	10+00	4.6	—
	4.4	—		4.6	—
	4.4	—		4.7	+1.3
	4.5	+1.5		4.7	—
8+10	4.5	—	10+10	4.7	—

10-15-47

123+00		129+00	
DIST	SOUND	DIST	SOUND
10+50	4.7	+1.3	
	4.7	—	
(6.0)	4.7	—	
	4.8	+1.2	
	4.8	—	
11+00	4.8	—	

10:27

10-15-47

(65)

129+00

~~129+00 ON PATERA 2/4: SOUND EAST AT 90° T. B/L.~~

129+00		129+00	
DIST	SOUND	DIST	SOUND
0+00	3.8	+2.1	0+70 4.1 +1.8
1+35	2.8	—	4.4 +1.5
	3.8	—	(5.9) 4.5 +1.4
(5.9)	3.8	—	1+00 4.7 +1.2
	3.8	—	5.8 +0.1
50	3.8	—	9.0 -3.1
	3.8	—	10.7 -4.8
	3.9	+2.0	12.0 -6.1
	3.9	—	50 12.1 -6.2
	4.0	+1.9	12.7 -6.8
1+00	4.0	—	10:40 13.0 -7.1
SOUND WEST AT 90° T. B/L.			13.0 —
2+10	3.8	+2.1	12.7 -6.8
12:18	3.8	—	2+00 12.4 -6.5
	3.8	—	11.8 -5.9
(5.9)	3.8	—	10.0 -4.1
3+50	3.9	+2.0	8.0 -2.1
4+00	4.0	+1.9	2+10 6.9 -1.0

10-15-47

DIST	SOUND	129+00	DIST	SOUND	10-15-47
2+50	6.0	-0.1	4+50	5.9	0.0
	5.5	+0.4		5.7	+0.2
(5.9)	5.1	+0.8	(5.9)	5.5	+0.4
	5.0	+0.9		5.2	+0.7
	5.0	—		5.0	+0.9
3+00	5.0	—	5+00	5.0	—
	5.0	—		5.0	—
	5.0	—		5.0	—
	5.0	—		4.8	+1.1
	5.0	—		4.6	+1.3
50	5.2	+0.7	50	4.6	—
	5.4	+0.5	10:45	4.6	—
	5.8	+0.1		4.6	—
10:43	6.0	-0.1		4.6	—
	6.0	—		4.6	—
7+00	5.7	+0.2	6+00	4.6	—
	5.7	—		4.6	—
	5.9	0.0		4.5	+1.4
	5.9	—		4.5	—
4+40	5.9	—	6+40	4.5	—

10-15-47

DIST	SOUND	129+00	DIST	SOUND	10-15-47
6+50	4.5	+1.4	8+50	4.5	+1.4
	4.5	—		4.5	—
(5.9)	4.5	—	(5.9)	4.5	—
	4.5	—		4.5	—
	4.5	—		4.7	+1.2
7+00	4.5	—	9+00	4.7	—
	4.5	—		4.7	—
	4.5	—		4.6	+1.3
	4.5	—		4.6	—
	4.5	—		4.6	—
50	4.5	—	50	4.6	—
	4.5	—		4.8	+1.1
	4.7	+1.2	10:50	4.8	—
	4.5	+1.4		4.8	+1.0
	4.5	—	(5.8)	4.6	+1.2
	4.5	—	10+00	4.6	—
	4.5	—		4.6	—
	4.5	—		4.6	—
	4.5	—		4.6	—
4+40	4.5	—	10+40	4.6	—

10-15-47

124+00		DIST	SOUND
10+50	4.6	+1.2	
	4.7	+1.1	
(5.8)	4.7	—	
	4.7	—	
	4.7	—	
11+00	4.7	—	

10:52

10-15-47

125+00 PX

125+00 ON PATENA B/L: SOUND EAST AT 90° TO B/L.

DIST	SOUND	DIST	SOUND
2+00	3.6	+2.1	0+70 4.0 +1.7
11:52	3.6	—	4.1 +1.6
	3.6	—	(5.7) 4.1 —
(5.7)	3.6	—	1+00 4.2 +1.5
	3.6	—	5.2 +0.5
30	3.8	+1.9	8.0 -2.3
	3.7	+2.0	10.0 -4.3
	3.8	+1.9	11.0 -5.3
	4.0	+1.7	50 11.8 -6.1
	3.9	+1.8	12.1 -6.4
1+00	4.1	+1.6	12.4 -6.7
			SOUND WEST AT 90° TO B/L
2+10	3.6	+2.1	12.4 —
11:57	3.6	—	2+00 12.3 -6.6
	3.6	—	12.0 -6.3
	3.6	—	11.5 -5.8
(5.7)	3.6	—	10.0 -4.3
50	3.8	+1.9	8.2 -2.5
4+60	4.0	+1.7	2+10 7.0 -1.3

125+00			125+00		
DIST	SOUND		DIST	SOUND	
2+50	5.9	-0.2	4+50	5.7	-0.1
(5.7)	5.2	+0.5		6.0	-0.4
<u>11:10</u>	5.0	+0.7	(5.6)	6.0	—
	5.0	+0.6		6.0	—
(5.6)	5.0	—		6.0	—
3+00	5.0	—	5+00	6.0	—
	5.0	—		5.8	-0.2
	5.0	—		5.8	—
	5.0	—		5.8	+0.1
	5.1	+0.5		5.2	+0.4
50	5.1	—	50	5.2	—
	5.3	+0.3		5.1	+0.5
	5.2	+0.4		4.9	+0.7
	5.2	—		4.9	—
	5.3	+0.3	<u>11:13</u>	4.9	—
4+00	5.0	+0.6	6+00	5.0	+0.6
	4.9	+0.7		4.9	+0.7
	4.8	+0.8		4.8	+0.8
	5.0	+0.6		4.7	+0.9
4+40	5.0	—	6+40	4.6	+1.0

125+00			125+00		
DIST	SOUND		DIST	SOUND	
4+50	4.6	+1.0	8+50	4.5	+1.1
	4.5	+1.1		4.5	—
(5.6)	4.5	—	(5.6)	4.5	—
	4.5	—		4.5	—
	4.5	—		4.5	—
7+00	4.5	—	9+00	4.5	—
	4.5	—		4.5	—
	4.5	—		4.6	+1.0
	4.5	—		4.6	—
	4.5	—		4.6	—
<u>11:15</u>	4.5	—		4.6	—
50	4.5	—	50	4.6	—
	4.5	—		4.6	—
	4.5	—		4.6	—
	4.5	—		4.6	—
	4.5	—		4.6	—
8+00	4.5	—	10+00	4.6	—
	4.5	—		4.6	—
	4.5	—		4.6	—
	4.5	—	<u>11:18</u>	4.6	—
	4.5	—		4.6	—
4+40	4.5	—	10+40	4.5	+1.1

125+00 10-15-17
DIST SOUND DIST SOUND

~~10+50 7.5 +1.1~~

~~1.5 —~~

(5.6) 4.5 —

4.5 —

4.5 —

11+00 4.5 —

11:12

126+00 10-15-17 (9)

126+00 ON PATARA B/L: SOUND EAST AT 90° TO B/L.

126+00

126+00
DIST SOUND

10-15-47

DIST SOUND

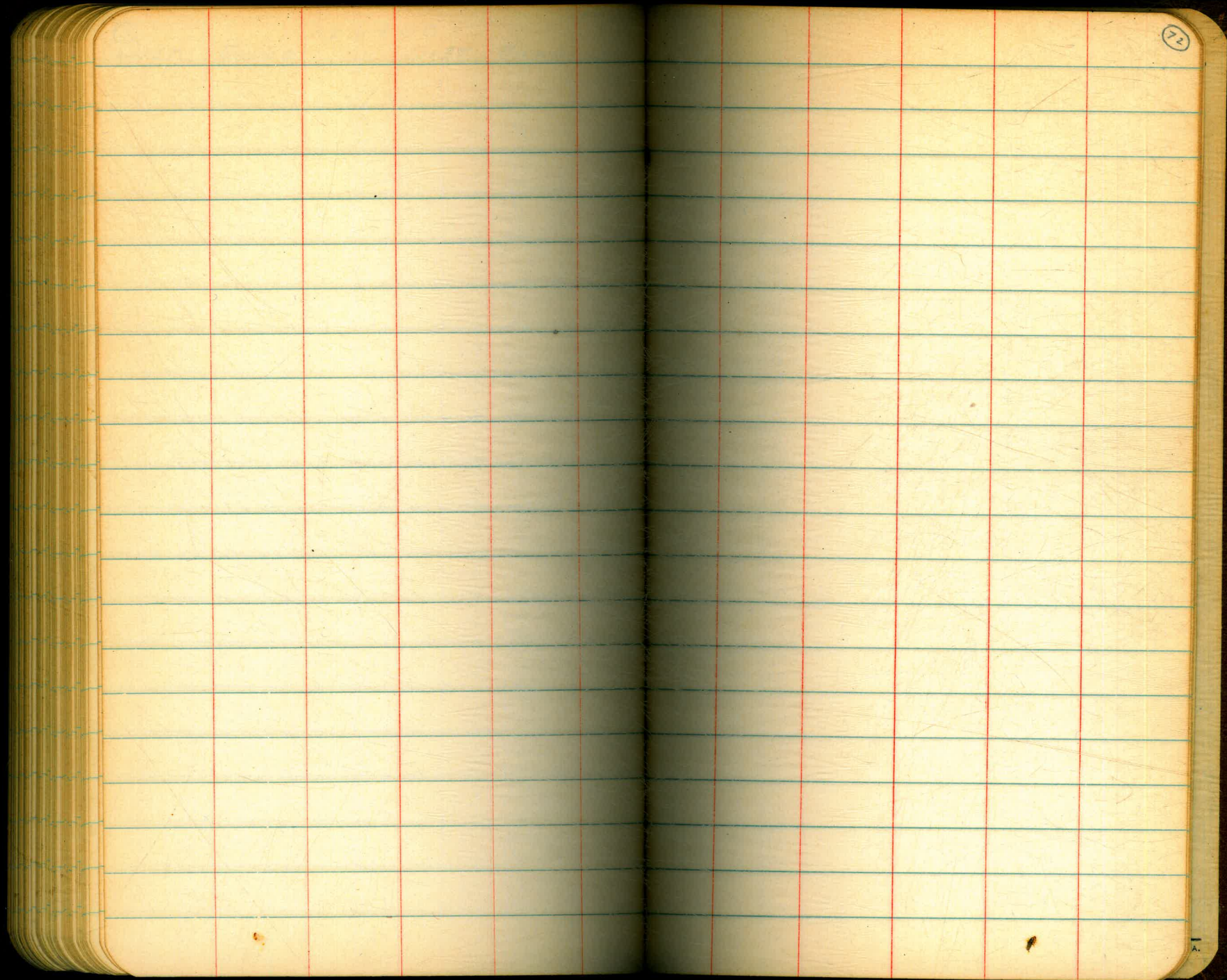
126+00

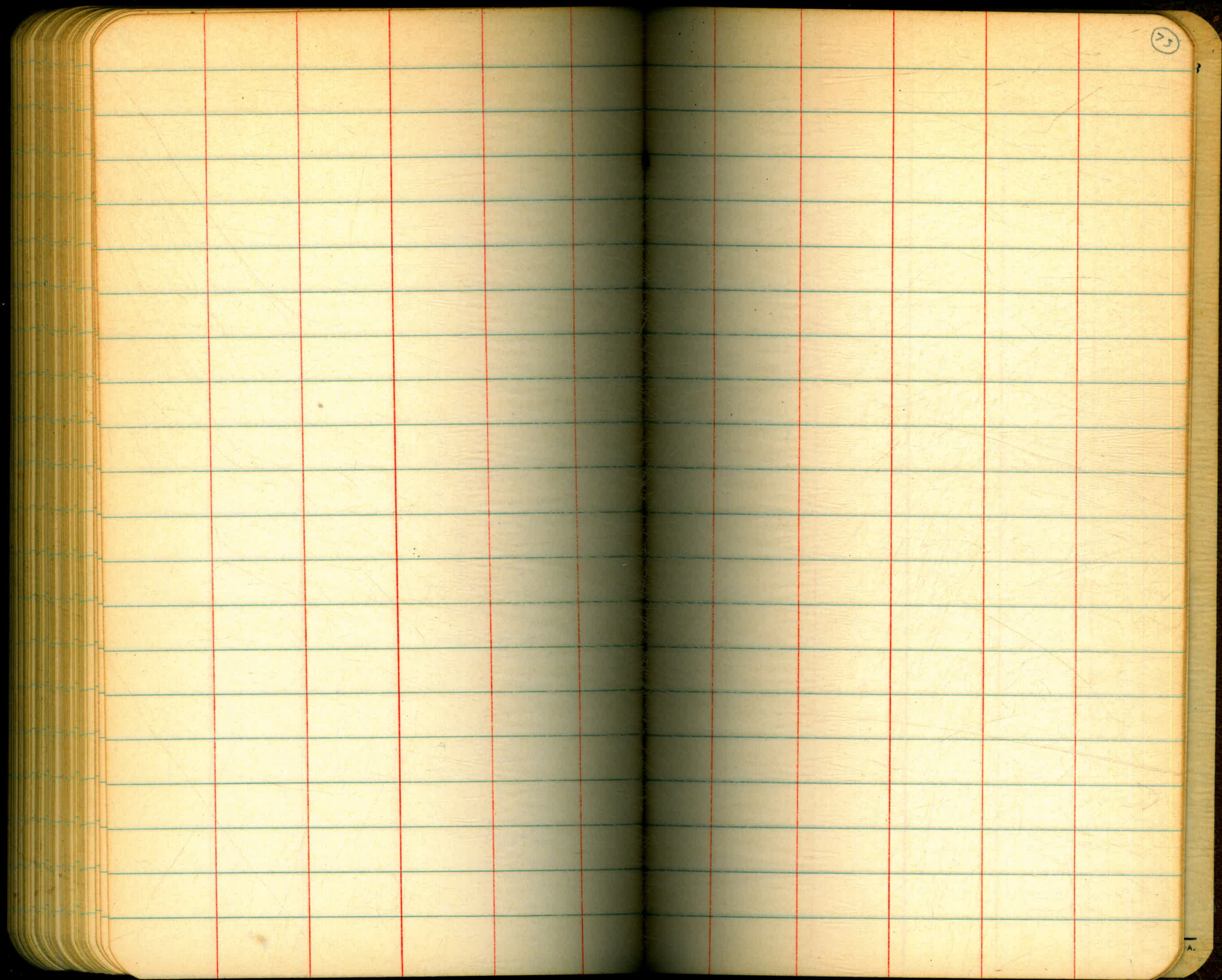
DIST SOUND

10-15-47

DIST SOUND

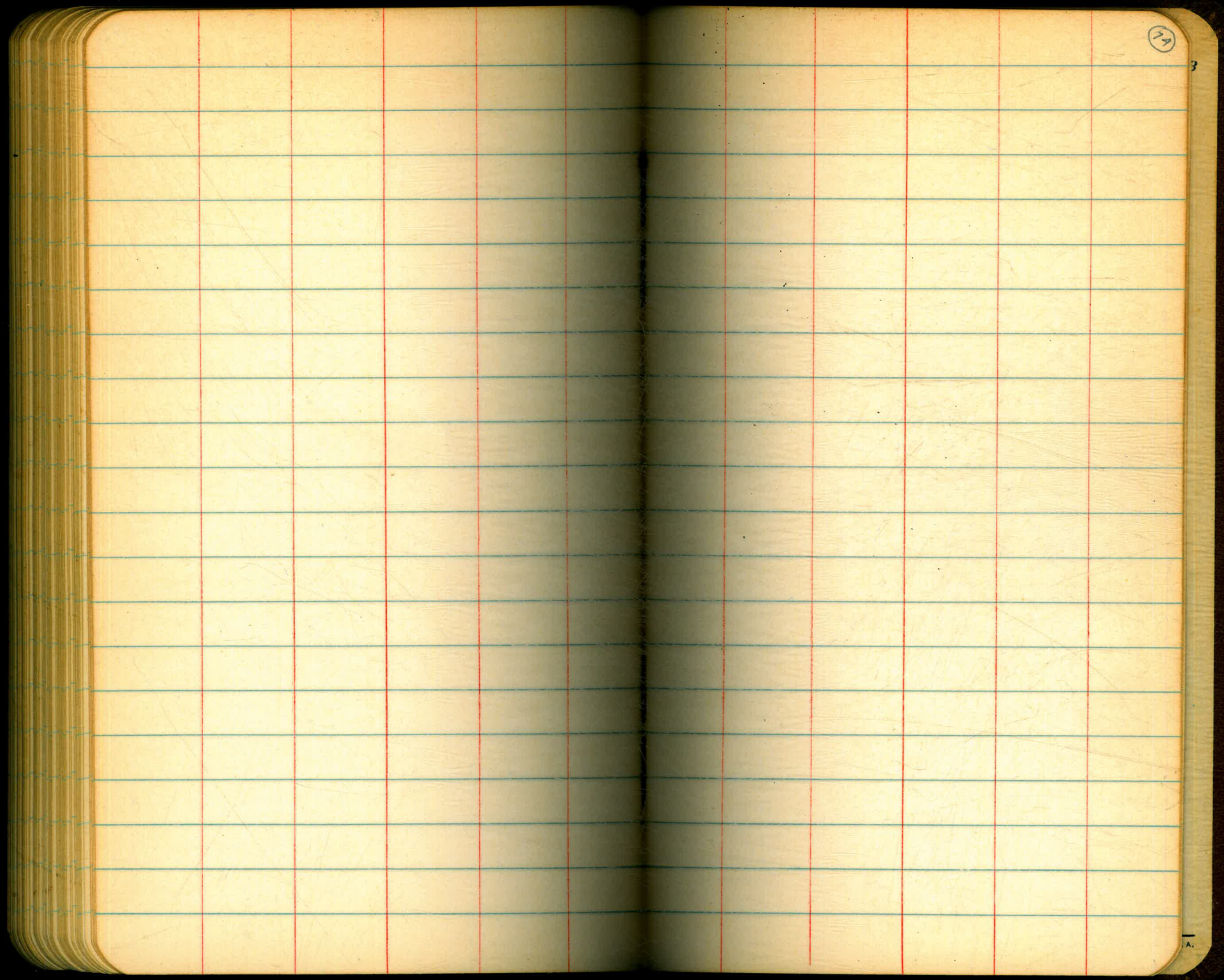
(70)





23

A.



74

3

A.

The image shows an open notebook with two facing pages. Both pages are cream-colored and feature light blue horizontal ruling. Each page is divided into two columns by two vertical red margin lines. The notebook has rounded corners and a dark, possibly black, cover. The pages are blank, with no writing or markings. In the top right corner of the right page, the number '26' is printed in a small circle, and the letter 'B' is printed below it. The left edge of the notebook shows the thickness of the pages.

X-SECTIONS OF EAST SACRES-YAMIT POOL
87+00

10-13-47

(57)

STA	+	H.I.	-	ELEV	
T.B.M.	4.95	16.29		11.34	86+00
W 295			5.2		
W 390			6.6		
W 385			7.8		
W 455			7.9		
W 542			7.6		
T.P.	5.17	16.14	5.32	10.97	
T.P.	5.30	17.59	3.85	12.29	
T.B.M.			5.46	12.13 =	2 v2 R-104+00 88+00
T.P.	4.76	18.16	4.19	13.90	30' W R-104+00 92+00

Indexed

85+00

STA	+	H.I.	-	ELEV
T.B.M	5.03			84+00
W 298			7.6	
W 332			6.3	
W 360			7.6	
W 376			9.6	
W 403			11.5	

86+00

STA	+	H.I.	-	ELEV
T.B.M	4.73			87+00
W 377			11.6	
W 360			9.7	
W 338			7.3	
W 310			5.9	
W 282			4.5	
W 230			3.8	
W 185			3.8	



$$\frac{c}{a}$$

$$\frac{a^2}{c^2}$$

$$\frac{C}{A+B}$$

+B)

by the
19.4 ft.
10' =

slope
h the
ollow-
=.0041.

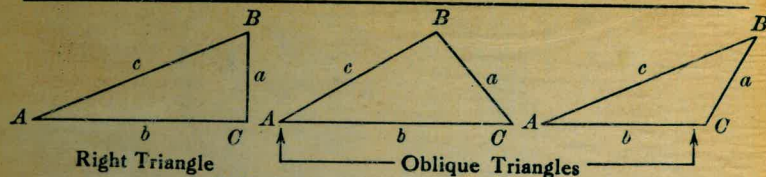
e dist-
=14 ft.
3 ft.

IN U. S. A.

88+00
92+00

107+00

TRIGONOMETRIC FORMULÆ



Solution of Right Triangles

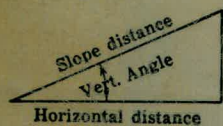
For Angle A. $\sin = \frac{a}{c}$, $\cos = \frac{b}{c}$, $\tan = \frac{a}{b}$, $\cot = \frac{b}{a}$, $\sec = \frac{c}{a}$, $\text{cosec} = \frac{c}{a}$

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

Solution of Oblique Triangles

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

REDUCTION TO HORIZONTAL



Horizontal distance = Slope distance multiplied by the cosine of the vertical angle. Thus: slope distance = 319.4 ft. Vert. angle = 5° 10'. From Table, Page IX. $\cos 5^\circ 10' = .9959$. Horizontal distance = $319.4 \times .9959 = 318.09$ ft. Horizontal distance also = Slope distance minus slope distance times (1 - cosine of vertical angle). With the same figures as in the preceding example, the following result is obtained. $\cosine 5^\circ 10' = .9959$. $1 - .9959 = .0041$. $319.4 \times .0041 = 1.31$. $319.4 - 1.31 = 318.09$ ft.

When the rise is known, the horizontal distance is approximately: - the slope distance less the square of the rise divided by twice the slope distance. Thus: rise = 14 ft., slope distance = 302.6 ft. Horizontal distance = $302.6 - \frac{14 \times 14}{2 \times 302.6} = 302.6 - 0.32 = 302.28$ ft.