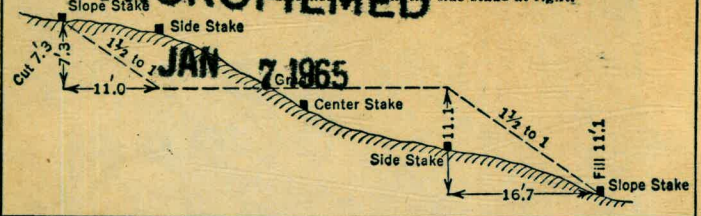
DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

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. Opposite 11 under "Cut or Fill" and under .1 read 16.7, the distance out from the corresponding 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.

BOOK # 34

179 "ABC"
"CDE" 110-111-120-118
130 "FGH"

S 74° 40' 02" W

CAU — 10.83

Hill - 10.80

133 - 2.39 = 8.41
134 - 2.42 = 8.38
135 - EL = 8.36. (2.44)
136 - 5.16 = 7.62
137 - 4.75 = 8.03
138 - 3.92 = 8.86

139+00 - 4.21 = 8.51

12.78
5.16
7.62

12.78
4.75
8.03

12.78
3.92
8.86

12.78
4.21
8.57

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

#34

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ORIGINAL SOUNDINGS OF PROJECT

SECTION "ABC"

PX

BATTAGLIA SHERRY STANLEY #9

3-23-78 CLEAR COOL MOD. WIND

STA- W-170+00

0+00 = STA-W-170+00 "ABC" B/L; SOUND SOUTH AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	3.4	+2.5	1+50	3.5	+2.4
+10	3.4	+2.5		3.4	+2.5
10:13	3.4	+2.5	(5.9)	3.4	+2.5
(5.9)	3.4	+2.5		3.4	+2.5
	3.4	+2.5		3.4	+2.5
50	3.4	+2.5	2+00	3.4	+2.5
	3.5	+2.4	10:15	3.3	+2.6
	3.5	+2.4		3.3	+2.6
	3.5	+2.4		3.3	+2.6
	3.5	+2.4		3.3	+2.6
1+00	3.5	+2.4	50	3.3	+2.6
	3.5	+2.4		3.3	+2.6
	3.5	+2.4		3.3	+2.6
	3.4	+2.5		3.3	+2.6
1+40	3.4	+2.5	2+90	3.3	+2.6

STA- W-170+00 3-23-78 (1)

DIST	SOUND		DIST	SOUND	PX
3+00	3.3	+2.6	5+00	13.3	-7.4
	3.3	+2.6		13.5	-7.6
(5.9)	3.3	+2.6		13.5	-7.6
	3.2	+2.7		13.5	-7.6
	3.2	+2.7		14.0	-8.1
50	3.2	+2.7	50	13.7	-7.8
	3.4	+2.5	(5.9)	13.6	-7.7
	4.7	+1.2	(5.8)	13.6	-7.8
	8.8	-2.9		13.6	-7.8
	13.0	-7.1		13.5	-7.7
4+00	13.6	-7.7	6+00	13.5	-7.7
	13.4	-7.5		13.5	-7.7
	12.5	-6.6		14.0	-8.2
	12.7	-6.8		14.6	-8.8
	13.5	-7.6		14.6	-8.8
50	13.8	-7.9	50	14.6	-8.8
	13.6	-7.7		14.4	-8.6
	13.2	-7.3		14.1	-8.3
10:18	13.0	-7.1		13.7	-7.9
4+90	13.2	-7.3	6+90	13.2	-7.4

STA- 170+00 W 3-23-48

PX

DIST	SOUND		DIST	SOUND
7+00	12.8	-7.0		
(5.8)	12.0	-6.2		
	10.8	-5.0		
	9.9	-4.1		
	9.2	-3.4		
50	9.0	-3.2		
	7.9	-2.1		
	7.0	-1.2		
	4.8	+1.0		
	3.1	+2.4		
8+00	2.4	+3.4		
	1.5	+4.3		

STA- 169+00W 3-23-48 PX (2)

0+00 = STA- 169+00W "ABC" B/L: SOUND SOUTH AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	3.4	+2.3	1+90	3.1	+2.3
+10	3.4	+2.3	2+00	3.3	+2.4
	3.4	+2.3	10:32	3.3	+2.4
(5.7)	3.4	+2.3	(5.7)	3.3	+2.4
	3.4	+2.3		3.3	+2.4
50	3.4	+2.3		3.3	+2.4
	3.4		50	3.3	+2.4
	3.4			3.2	+2.5
	3.4			3.2	+2.5
	3.4			3.2	
1+00	3.4			3.2	
	3.4		3+00	3.2	
	3.4			3.2	
	3.4			3.2	
	3.4			3.2	
50	3.4			3.2	
	3.3	+2.4	50	3.2	
	3.3	+2.4		3.2	
1+80	3.3	+2.4	3+70	3.1	+2.3

PX

STA. W-169+00 3-23-18

DIST	SOUND		DIST	SOUND	
3+80	5.0	+ 0.7	5+80	13.8	- 8.2
		-4.0			
	9.7	-4.7		14.0	- 8.4
4+00	13.1	- 7.4	6+00	14.5	- 8.9
	14.1	- 8.4	(5.6)	14.0	- 8.4
(5.7)	14.2	- 8.5		13.9	- 8.3
	14.0	- 8.3		13.5	- 7.9
	13.9	- 8.2		13.0	- 7.4
50	13.9	- 8.2	50	12.7	- 7.1
	14.2	- 8.5		12.0	- 6.4
	14.2	- 8.5		10.3	- 4.7
	14.1	- 8.4		9.1	- 3.5
	14.1	- 8.4		8.3	- 2.7
5+00	14.0	- 8.3	7+00	7.2	- 1.6
(5.7)	14.0	- 8.3		6.0	- 0.4
10:35	14.0	- 8.3		6.0	- 0.4
(5.6)	13.7	- 8.1		4.8	+ 0.8
	13.1	- 7.8		3.0	+ 2.6
50	13.1	- 7.5	50	2.0	+ 3.6
	13.2	- 7.6	10:38		
5+70	13.2	- 7.6			

3-23-18

STA- W-168+00

0+00 = STA-W-168+00 "ABC" B/L: SOUND SOUTH AT 90° TO B/L.

DIST	SOUND	
0+00	3.5	+ 2.0
+10	3.5	+ 2.0
10:12	3.5	+ 2.0
(5.5)	3.4	+ 2.1
	3.4	+ 2.1
50	3.4	
	3.4	
	3.4	
	3.4	
	3.4	
1+00	3.4	
	3.4	
	3.4	
	3.4	
	3.4	
50	3.4	
	3.4	
	3.4	
1+80	3.3	+2.2

PX (3)

DIST	SOUND	
1+90	3.3	+ 2.2
2+00	3.3	+ 2.2
	3.3	
(5.5)	3.3	
10:45	3.3	
	3.1	+ 2.4
50	3.1	+ 2.4
	3.2	+ 2.3
	3.2	+ 2.3
	3.2	+ 2.3
	3.1	+ 2.4
3+00	3.1	+ 2.4
	3.1	+ 2.4
	3.0	+ 2.5
	3.0	+ 2.5
	3.1	+ 2.4
50	3.1	+ 2.4
	4.2	+ 1.3
3+70	5.5	- 2.0

PX

STA- W: 168+00 — 3-23-78

DIST	SOUND		DIST	SOUND	
3+80	11.0	-5.5	5+80	14.0	-8.5
	13.5	-8.0		14.0	-8.5
4+00	13.5	-8.0	6+00	13.8	-8.3
	13.6	-8.1		13.5	-8.0
(5.5)	13.5	-8.0	(5.5)	13.0	-7.5
	13.6	-8.1		13.6	-8.1
	13.6	-8.1		11.1	-5.6
50	13.5	-8.0	50	10.1	-4.6
	13.5	-8.0		9.2	-3.7
	13.5	-8.0		8.2	-3.2
10:47	13.5	-8.0		7.4	-1.9
	14.0	-8.5		6.6	-1.1
5+00	14.4	-8.9	7+00	5.1	+0.4
	14.1	-8.6		3.0 / ~~3.0~~	+2.5
	14.2	-8.7	7+20	1.8	+3.7
	14.6	-9.1	10:50		
	14.5	-9.0			
50	14.4	-8.9			
	14.1	-8.6			
5+70	14.1	-8.6			

STA- W: 167+00 — 3-23-78 — PX. (7)

0+00 = STA- W-167+00 DIST	SOUND	"ABC" B/L:	SOUTH AT 90° TO B/L. DIST	SOUND	
0+00	3.5	+1.9	1+90	3.0	+2.4
+10	3.5	+1.9	2+00	3.0	+2.4
10:57	3.5	+1.9		3.1	+2.3
(5.1)	3.5	+1.9	(5.4)	3.1	+2.3
	3.3	+2.1	(5.3)	3.1	+2.2
50	3.3	+2.1		3.1	+2.2
	3.3		50	3.1	+2.2
	3.3			3.0	+2.3
	3.3			3.0	+2.3
	3.3		11:00	3.0	+2.3
1+00	3.3			3.0	
	3.3		3+00	3.0	
	3.3			3.0	
	3.2	+2.2		3.0	
	3.2	+2.2		3.0	
50	3.2	+2.2		3.0	
	3.2	+2.2	50	3.0	
	3.1	+2.3		5.1	+0.2
1+80	3.0	+2.4	3+70	9.3	-4.0

PX

STA - W-167+00 — 3-23-48

DIST	SOUND		DIST	SOUND	
3+80	13.5	-8.2	5+80	14.1	-8.8
	13.9	-8.6		14.0	-8.7
4+00	14.0	-8.7	6+00	13.7	-8.4
(5.3)	13.7	-8.4	(5.3)	13.2	-7.9
	13.5	-8.2		12.7	-7.4
	13.5	-8.2		11.5	-6.2
	13.6	-8.3		10.8	-5.5
50	13.5	-8.2	50	9.4	-4.1
	13.5	-8.2		8.4	-3.1
	13.3	-8.0		8.4	-3.1
	13.0	-7.7		5.5	-0.2
	13.0	-7.7		3.4	+1.9
5+00	13.0	-7.7	7+00	2.0	+3.3
	13.0	-7.7	11:05		
	12.7	-7.4			
11:03	12.7	-7.4			
	13.1	-8.1			
50	14.0	-8.7			
	14.0	-8.7			
5+70	14.0	-8.7			

STA - W-166+00 — 3-23-48 — PX. (5)

0+00 = STA - W-166+00 "ABC" B/L; SOUND SOUTH AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	3.2	+1.9	1+90	3.0	+2.1
+10	3.2	—	2+00	3.0	—
11:10	3.3	+1.8		3.0	—
(5.1)	3.5	+1.6	(5.1)	3.0	—
	3.4	+1.7		3.0	—
50	3.3	+1.8		3.0	—
	3.2	+1.9	50	3.0	—
	3.2	—		3.0	—
	3.2	—		3.0	—
	3.2	—		2.9	+2.2
1+00	3.2	—	10:13	2.9	—
	3.1	+2.0	3+00	2.9	—
	3.0	+2.1		2.9	—
	3.0	—		2.9	—
	3.0	—		2.9	—
50	3.0	—		2.9	—
	3.0	—	50	9.4	+0.7
	3.0	—		9.3 ~~8.3~~	-4.2
1+80	3.0	—	3+70	12.3	-7.2

STA. W-166+00 — 3-23-18

DIST.	SOUND		DIST	SOUND	
3+80	13.3	-8.2	5+80	13.7	-8.6
	13.2	-8.1		13.3	-8.2
4+00	13.2	—	6+00	13.0	-7.9
	13.0	-7.9		12.5	-7.4
(5.1)	13.0	—	(5.1)	11.8	-6.7
	13.0	—		11.5	-6.4
	13.0	—		10.7	-5.3
50	13.0	—	50	9.6	-4.5
11:15	13.0	—		8.7	-3.6
	13.0	—		7.2	-2.1
	13.1	-8.0		5.3	-0.2
	13.1	—		2.1	+3.0
5+00	13.1	—	7+00		
	12.9	-7.8	11:18		
	13.1	-8.0			
	13.0	-7.9			
	13.5	-8.4			
50	14.0	-8.9			
	14.4	-9.3			
5+70	14.0	-8.9			

STA. W-165+00 — 3-23-18 — (6)

0+00 = STA. W-165+00 "ABC" B/L; SOUND SOUTH AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	3.2	+1.7	1+90	2.9	+2.0
+10	3.2	—	2+00	2.9	—
11:25	3.2	—		2.8	+2.1
	3.3	+1.6		2.8	—
(4.9)	3.3	—	(4.9)	2.8	—
50	3.3	—		2.8	—
	3.1	+1.8	50	2.8	—
	3.1	—		2.7	+2.2
	3.0	+1.9		2.7	—
	3.0	—	11:27	2.7	—
1+00	3.0	—		2.7	—
	2.9	+2.0	3+00	2.7	—
	2.9	—		2.7	—
	2.9	—		2.7	—
	2.9	—		2.7	—
50	2.9	—		2.7	—
	2.9	—	50	4.3	+0.6
	2.8	+2.1		8.0	-3.1
1+80	2.9	+2.0	3+70	11.5	-6.6

STA- 165+00 3-23-18

PX

DIST	SOUND		DIST	SOUND	
3+80	13.0	-8.1	5+80	13.5	-8.7
	13.0	—		13.0	-8.2
4+00	13.0	—	6+00	12.5	-7.7
(4.9)	13.0	—	(4.8)	12.0	-7.2
	13.0	—		10.2	-5.4
	13.0	—		9.6	-4.8
	13.0	—		9.6	—
50	12.9	-8.0	50	8.7	-3.9
	12.9	—		7.7	-2.9
	12.9	—		5.3	-0.5
	13.1	-8.2		2.7	+2.1
	13.0	-8.1		1.5	+3.3
5+00	13.1	-8.2	7+00		
(4.9)	13.5	-8.6	11:32		
(4.8)	13.7	-8.9			
11:30	13.8	-9.0			
	13.9	-9.1			
50	13.8	-9.0			
	13.8	—			
5+70	13.5	-8.7			

STA-W-164+00 3-24-18 BARRAGAN SHERRY STANLEY (7)

0+00=STA-164+00 "ABC" B/L: SOUND SOUTH AT 90° TO B/L.

PX

DIST	SOUND		DIST	SOUND	
0+00	4.2	+1.5	1+90	3.9	+1.8
+10	4.2	—	2+00	3.9	—
09:18	4.1	+1.6		3.9	—
(5.7)	4.0	+1.7	(5.7)	3.8	+1.9
	4.0	—		3.8	—
50	4.0	—		3.8	—
	4.0	—	50	3.8	—
	3.9	+1.8		3.8	—
	3.9	—		3.8	—
	3.9	—		3.8	—
1+00	3.9	—		3.8	—
	3.9	—	3+00	3.8	—
	3.9	—		3.8	—
	3.9	—		3.8	—
	4.0	+1.7		3.8	—
50	3.9	+1.8		4.0	+1.7
	3.9	—	50	4.4	+1.3
	3.9	—		2.5	-1.8
1+80	3.9	—	3+70	11.5	-5.8

STA- W-164+00 3-29-48

DIST	SOUND		DIST	SOUND	
3+80	13.7	-7.7	5+80	14.5	-8.8
	13.2	-7.5		14.2	-8.5
4+00	13.7	-7.7	6+00	13.9	-8.2
(5.7)	13.8	-8.1	09:25	13.4	-7.7
	14.1	-8.4	(5.7)	12.7	-7.0
	14.0	-8.3		9.0	-3.3
	14.0	—		9.8	-4.1
50	14.5	-8.8	50	8.7	-3.0
	14.5	—		8.0	-2.3
	14.4	-8.7		7.5	-1.8
	14.2	-8.5		5.0	+0.7
	14.0	-8.3		2.8	+2.9
5+00	14.0	—	7+00	2.0	+3.7
	14.0	—	09:27		
	14.5	-8.8			
	14.6	-8.9			
	14.8	-9.1			
50	14.8	—			
	14.8	—			
5+70	14.9	-9.2			

STA- W-163+00 3-15-48 CLEAR WARM LIGHT WIND BARRAGAN SHERRY STANDS (8)

0+00=STA-W-163+00 "ABC" B/L; SOUND SOUTH AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	7.3	-1.8	1+90	3.2	+2.3
+10	7.4	-1.9	2+00	3.2	—
09:55	7.5	-2.0	09:58	3.2	—
	7.5	—		3.3	+2.2
	7.5	—		3.3	—
50	7.4	-1.9		3.3	—
	7.3	-1.8	50	3.4	+2.1
(5.5)	6.0	-0.5	(5.5)	3.5	+2.0
	5.1	+0.4		3.5	—
	4.4	+1.1		3.5	—
1+00	4.0	+1.5		3.5	—
	3.5	+2.0	3+00	3.8	+1.7
	3.3	+2.2		3.9	+1.6
	3.3	—		4.0	+1.5
	3.3	—		4.0	—
50	3.2	+2.3		4.0	—
	3.2	—	50	5.5	0.0
	3.2	—	10:00	11.1	-5.6
1+80	3.2	—	3+70	15.1	-9.9

STA-W-163+00 3-25-98

PX

DIST	SOUND		DIST	SOUND	
3+80	14.1	-8.6	5+80	14.2	-8.6
	13.5	-8.0		13.8	-8.2
4+00	13.3	-7.8	6+00	13.4	-7.8
	13.3	—		13.5	-7.9
	13.3	—		12.0	-6.4
	13.3	—	5.6	11.5	-5.9
5.5	13.3	—		9.7	-4.1
50	13.3	—	50	8.8	-3.2
	13.3	—		6.4	-0.8
	13.3	—		6.1	-0.5
	13.3	—		4.6	+1.0
	13.4	-7.9		2.4	+3.2
5+00	13.2	-7.7	7+00	1.5	+4.1
	13.1	-7.6	10:04		
	13.1	—			
	13.0	-7.5			
	13.1	-7.6			
50	13.4	-7.9			
	13.5	-8.0			
5+70	14.0	-8.5			

STA-162+00W PX (3)

0+00=STA-162+00W-"ABC" B/L: SOUND SOUTH AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	7.7	-2.1	~~4+90~~ 5.6	4.0	+1.6
+10	7.5	-1.9	2+00	4.0	—
10:10	7.5	—	10:13	4.5	+1.1
	6.4	-0.8		4.5	—
	6.0	-0.4		4.2	+1.4
50	6.0	—		4.2	—
	6.0	—	50	4.4	+1.2
5.6	7.7	-2.1	5.7	4.4	—
	9.0	-3.4		4.4	—
	9.4	-3.8		4.0	+1.6
1+00	9.4	—		4.0	—
	9.4	—	3+00	3.8	+1.8
	9.4	—		3.5	+2.1
	9.0	-3.4		3.5	—
	7.5	-1.9		3.3	+2.3
50	5.8	-0.2		4.3	+1.3
	4.7	+0.9	50	7.5	-1.9
	4.6	+1.0		12.0	-6.4
1+80	4.2	+1.4	3+70	12.8	-7.2

STA- W-162+00

DIST	SOUND		DIST	SOUND	
3+80	12.9	-7.2	5+80	14.3	-8.6
	13.1	-7.4		14.1	-8.4
4+00	13.1	—	6+00	14.0	-8.3
	13.1	—		14.0	—
10:15	13.1	—		14.5	-8.8
	13.1	—		13.2	-7.5
	13.2	-7.5	10:18	12.8	-7.1
50	13.1	-7.4	50	12.5	-6.8
	13.2	-7.5		11.0	-5.3
5.7	13.0	-7.3	5.7	8.8	-3.1
	13.0	—		7.2	-1.5
	13.0	—		5.1	+0.6
5+00	13.0	—	7+00	3.1	+2.3
	12.9	-7.2		1.7	+4.0
	12.8	-7.1			
	12.8	—			
	12.7	-7.0			
50	12.7	—			
	12.7	—			
5+70	14.1	-8.4			

STA- 161+00 W 3-25-18 (10)

0+00 = STA- W-161+00 "ABC" B/L: SOUND SOUTH AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	8.5	-2.8	1+90	10.0	-4.3
+10	8.6	-2.9	2+00	10.1	-4.4
10:25	8.7	-3.0		10.6	-4.9
	8.5	-2.8		10.4	-4.7
	8.5	—		10.1	-4.4
50	8.6	-2.9		9.7	-4.0
	8.5	-2.8	50	8.8	-3.1
	8.2	-2.5		7.1	-1.4
5.7	8.3	-2.6	5.7	5.0	+0.7
	8.0	-2.3		4.2	+1.5
1+00	8.5	-2.8		4.0	+1.7
	7.5 ~~8.5~~	-1.8	3+00	4.0	—
	7.0	-1.3		4.0	—
	6.5	-0.8		4.0	—
	6.2	-0.5		3.9	+1.8
50	6.1	-0.4		5.1	+0.6
	6.0	-0.3	50	10.0	-4.3
	8.7	-3.0		13.5	-7.8
1+80	10.1	-4.4	3+10	14.4	-8.7

STA- 161+00 — 3-25-48

DIST	SOUND		DIST	SOUND	
3+80	14.5	-8.7	5+80	14.7	-8.9
	14.4	-8.6		14.7	—
4+00	14.1	-8.3	6+00	14.7	—
	14.0	-8.2		14.7	—
10:20	14.2	-8.4		14.6	-8.8
	14.1	-8.3		14.7	-8.9
	14.0	-8.2		14.7	—
50	13.9	-8.1	50	14.7	—
(5.8)	13.5	-7.7		14.4	-8.6
	13.5	—	(5.8)	13.5	-7.7
	13.4	-7.6		13.5	—
	13.4	—		13.8	-8.0
5+00	13.6	-7.8	7+00	13.0	-7.2
	13.5	-7.7		13.0	—
	13.3	-7.5		13.2	-7.4
	13.1	-7.3		12.0	-6.2
	13.0	-7.2		12.2	-6.4
50	13.0	—	50	11.1	-5.3
	13.1	-7.3		9.5 7.2	-3.7 -1.4
5+70	13.5	-7.7	8+00	7.2 7.5 7.4	-1.7 -1.6

STA- W-161+00 — 3-25-48 — (11)

DIST	SOUND		DIST	SOUND	
8+10	6.4	-0.6	10+10	4.3	+1.5
	5.8	0.0		4.5	+1.3
	6.8	-1.0		6.0	-0.2
	8.0	-2.2		6.6	-0.8
50	8.9	-3.1	50	6.5	-0.7
	8.3	-2.5		5.0	+0.8
	7.9	-2.1	10:38	4.6	+1.2
(5.8)	7.8	-2.0	(5.8)	4.6	—
	7.4	-1.6		4.6	—
9+00	7.0	-1.2	11+00	4.5	+1.3
	7.5	-1.7		4.3	+1.5
	8.2	-2.4		4.0	+1.8
	8.8	-3.0		3.1	+2.7
	8.8	—		3.4	+2.4
50	8.1	-2.3	50	3.0	+2.8
	7.7	-1.9		2.0	+3.8
	7.5	-1.7	11+70	1.5	+4.3
	7.2	-1.4	10:40		
	6.6	-0.8			
10+00	5.2	+0.6			

STA-W-160+00 3-25-48

0+00 = STA-W-160+00 "ABC" B/L: SOUND SOUTH AZ 90° TO B/L

PX

DIST	SOUND		DIST	SOUND	
0+00	5.5	+0.4	1+90	7.0	-1.1
+10	5.6	+0.3	2+00	7.0	—
10:48	5.6 ~~6.4~~	—		6.9	-1.0
	6.4 ~~6.7~~	-0.5	10:51	6.7	-0.8
	6.7 ~~7.0~~	-0.8		6.7	—
50	7.0	-1.1		7.7	-1.8
	7.4	-1.5	50	8.4	-2.5
(5.9)	7.8	-1.9		9.1	-3.2
	8.0	-2.1	(5.9)	9.8	-3.9
	8.0	—		10.1	-4.2
1+00	7.9	-2.0		10.0	-4.1
	7.8	-1.9	3+00	9.6	-3.7
	8.0	-2.1		7.5	-1.6
	~~8.0~~	—		6.0	-0.1
	7.6	-1.7		6.4	-0.5
50	7.4	-1.5		7.4	-1.5
	7.2	-1.3	50	11.2	-5.3
	7.2	—		13.5	-7.6
1+80	7.0	-1.1	3+70	13.5	—

STA-W-160+00 3-25-48

PX (12)

DIST	SOUND		DIST	SOUND	
3+80	13.7	-7.8	5+90	13.0	-7.1
10:53	13.9	-8.0	6+00	13.0	—
4+00	13.9	—		13.0	—
	13.7	-7.8		13.0	—
	13.7	—		13.0	—
(5.9)	13.6	-7.7		13.0	—
	13.6	—	50	13.1	-7.2
50	13.7	-7.8	(5.9)	13.1	—
	14.0	-8.1		13.1	—
	13.9	-8.0	10:57	13.1	—
	13.8	-7.9		13.1	—
	13.6	-7.7	7+00	13.8	-7.9
5+00	13.6	—		14.5	-8.6
	13.5	-7.6		14.7	-8.8
	13.4	-7.5		15.0	-9.1
	13.1	-7.2		14.5	-8.6
	13.0	-7.1	50	13.7	-7.8
50	13.0	—	60	14.5	-8.6
	13.2	-7.3	70	14.0	-8.1
	13.0	-7.1	80	13.8	-7.9
5+80	13.0	—	90	13.4	-7.5
			8+00	13.8	-7.9

STA-W-159+00 3-25-18

0+00 = STA-159+00W. "ABC" B/L: SOUND SOUTH AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	4.8	+1.1	1+90	6.2	-0.3
+10	4.8	—	2+00	6.0	-0.1
11:05	4.8	—		6.5	-0.6
	4.8	—		6.5	—
	4.9	+1.0		6.7	-0.8
50	5.1	+0.8		6.8	-0.9
	5.8	+0.1	50	6.8	—
(5.9)	6.7	-0.8		6.6	-0.7
	7.1	-1.2	(5.9)	6.8	-0.9
	7.0	-1.1		8.0	-2.1
1+00	6.8	-0.9		8.7	-2.8
	6.7	-0.8	3+00	8.7	—
	6.7	—	11:10	8.7	—
	6.5	-0.6		9.1	-3.2
	6.3	-0.4		9.5	-3.6
50	6.3	—		9.5	—
	6.2	-0.3	50	11.0	-5.1
	6.2	—		14.5	-8.6
1+80	6.2	—	3+70	14.5	—

STA-W-159+00 3-25-18 (13)

DIST	SOUND		DIST	SOUND	
3+80	14.2	-8.3	5+90	14.5	-8.6
	14.0	-8.1	6+00	14.5	—
4+00	14.0	—		14.2	-8.3
	14.0	—		14.0	-8.1
	13.9	-8.0	(5.9)	13.9	-8.0
	13.9	—		13.8	-7.9
(5.9)	13.9	—	50	13.6	-7.7
50	13.8	-7.9		13.8	-7.9
	13.8	—		13.8	—
	13.8	—	11:15	13.9	-8.0
	13.8	—		13.9	—
	13.6	-7.7	7+00	13.7	-7.8
5+00	13.5	-7.6		13.5	-7.6
	13.5	—		13.5	—
	13.3	-7.4		13.1	-7.2
11:13	13.3	—		13.1	—
	13.3	—	50	13.0	-7.1
			60	13.0	—
50	13.7	-7.8	70	13.0	—
	13.8	-7.9	80	13.0	—
	14.3	-8.4	90	13.0	—
5+80	14.4	-8.5	8+00	13.0	—
			11:17		

STA-W-158+00 3-25-48

0+00 = STA-W-158+00 "ABC" B/L; SOUND SOUTH AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	4.5	+1.3	1+90	5.8	0.0
+10	4.5	—	2+00	5.9	-0.1
11:24	5.0	+0.8		5.9	—
	5.0	—		5.8	0.0
	5.0	—		5.9	-0.1
50	4.8	+1.0		5.5	+0.3
(5.8)	4.8	—	50	5.5	—
	5.0	+0.8		5.9	-0.1
	6.1	-0.3		6.4	-0.6
	7.3	-1.5	(5.8)	6.8	-1.0
1+00	7.3	—		7.4	-1.6
	7.0	-1.2	3+00	7.9	-2.1
	6.5	-0.7		8.5	-2.7
	6.0	-0.2		8.0	-2.2
	6.0	—		7.6	-1.8
50	5.7	+0.1	11:28	12.3	-6.5
	5.5	+0.3	50	15.5	-9.7
	5.7	+0.1		15.3	-9.5
1+80	6.0	-0.2	3+70	15.1	-9.3

STA-W-158+00 3-25-48 (14)

DIST	SOUND		DIST	SOUND	
3+80	15.0	-9.2	5+90	13.4	-7.7
	15.0	—	6+00	13.4	—
4+00	15.0	—		14.0	-8.3
	15.0	—		14.0	—
	15.0	—		13.8	-8.1
	14.8	-9.0		13.7	-8.0
	14.4	-8.6	50	13.8	-8.1
50	14.3	-8.5		13.9	-8.2
(5.8)	14.1	-8.3	(5.7)	14.0	-8.3
	14.2	-8.4		14.0	—
	14.0	-8.2		14.1	-8.4
11:30	14.0	—	7+00	14.0	-8.3
5+00	14.0	-8.3		14.0	—
	14.0	—	11:33	14.0	—
(5.7)	14.0	—		14.0	—
	14.0	—		14.0	—
	14.0	—	50	14.0	—
			60	14.0	—
50	13.8	-8.1	70	14.0	—
	13.5	-7.8	80	13.8	-8.1
	13.5	—	90	13.4	-7.7
5+80	13.2	-7.5	8+00	13.1	-7.4
			11:34		

STA-W-157+00 3-25-48

0+00 = STA-W-157+00 "ABC" B/L: SOUND SOUTH AT 90° TO B/L

DIST	SOUND		DIST	SOUND	
0+00	2.1	+3.5	1+90	6.3	-0.7
+10	3.0	+2.6	2+00	5.5	+0.1
11:42	3.8	+1.8		5.3	+0.3
	4.2	+1.4		5.8	-0.2
	4.5	+1.1		6.0	-0.4
50	4.5	—		6.0	—
	4.8	+0.8	50	5.9	-0.1
(3.6)	4.8	—		7.1	-1.5
	5.0	+0.6	(5.6)	7.3	-1.7
	5.8	-0.2		7.0	-1.4
1+00	6.4	-0.8	11:45	6.8	-1.2
	6.8	-1.2	3+00	7.0	-1.5
	6.1	-0.5		7.0	—
	5.7	-0.1	(5.5)	6.9	-1.4
	5.4	+0.2		6.8	-1.3
50	5.6	0.0		10.1	-4.6
	6.0	-0.4	50	12.7	-7.2
	6.4	-0.8		13.8	-8.3
1+80	6.5	-0.9	3+70	14.0	-8.5

STA-W-157+00 3-25-48 (15)

DIST	SOUND		DIST	SOUND	
3+80	14.2	-8.7	5+90	15.0	-9.5
	14.4	-8.9	6+00	14.6	-9.1
4+00	14.3	-8.8		14.0	-8.5
	14.1	-8.6		13.6	-8.1
	14.1	—		13.8	-8.3
	14.0	-8.5		13.6	-8.1
	14.0	—	50	13.1	-7.6
50	14.0	—		13.2	-7.7
11:47	14.0	—		13.8	-8.3
	14.0	—	(3.5)	13.7	-8.2
(5.5)	14.0	—		13.7	—
	13.8	-8.3	7+00	9.8	-4.3
5+00	14.2	-8.7		9.0	-3.5
	13.9	-8.4		8.1	-2.6
	14.0	-8.5		7.5	-2.0
	13.8	-8.3		7.0	-1.5
	13.7	-8.2	50	5.8	-0.3
			60	5.2	+0.3
50	13.5	-8.0	70	5.0	+0.5
			80	5.0	—
	13.7	-8.2	90	5.0	
	14.5	-9.0	8+00	5.5	0.0
5+80	15.1	-9.6	11:52	5.7	-0.2

3-31-48

ORIGINAL X-SECTIONS OF MISSION BAY

WEST SHORE LINE — PROJECT #9

PX

STA-133+00

0+00=STA-133+00 ON B/L: SECT. AT

DIST	+	H.I.	−	ELEV	To B/L
B.M.	2.39	10.79		8.40	STA 132+65 REV. B/L ⊗ IN WALK
W 0+02			4.8	6.0	
W 0+02			2.3	8.5	
0+00			4.9	5.9	
E 0+28			7.4	3.4	
E 0+46			8.6	2.2	
E					

STA-134+00

PX

0+00=STA-134+00 ON B/L: SECT. AT

DIST	+	H.I.	−	ELEV	To B/L
B.M.	1.67	10.08		8.41	STA 133+ REV. B/L ⊗ IN WALK
W 0+03.5			4.7	5.4	
W 0+03.5			1.7	8.4	
0+00			5.00	5.1	
E 0+23			6.4	3.7	
E 0+46			8.0	2.1	

STA-135+00

3-31-48 (16)

0+00=STA-135+00 ON B/L: SECT. AT

PX

DIST	+	H.I.	−	ELEV	To B/L
B.M.	4.97	13.35		8.38	STA 134+00 ⊗ IN WALK
0+00			5.1	8.2	
E 0+04			5.1	8.2	
E 0+04			7.5	5.8	
E 0+34			9.6	3.7	
E 0+56			11.3	2.0	

STA-136+00

0+00=STA-136+00 ON B/L: SECT. AT

PX

DIST	+	H.I.	−	ELEV	To B/L
B/M	4.46	12.82		8.36	STA-135+00 REV. B/L ⊗ IN WALK
0+00			5.2	7.6	
E 0+04			5.1	7.7	
E 0+04			6.3	6.5	
E 0+09			8.8	4.0	
E 0+34			10.8	2.0	
TP			9.06	3.76	

STA-137+00

0+00=STA-137+00 ON B/L: SECT. AT

DIST	+	H.I.	−	ELEV	To B/L.
T.P.	7.05	10.81		3.76	
W0+01			4.7	6.1	
W0+01			2.3	8.5	
E0+00			5.4	5.4	
E0+28			7.5	3.3	
E0+50			8.5	2.3	

STA-138+00

0+00=STA-138+00 ON B/L: SECT. AT.

DIST	+	H.I.	−	ELEV	To B/L.
BM	5.66	13.69		8.03	STA 137+00 TOP BURKHEAD
0+00			4.8	8.9	"
E0+04			3.7	10.0	
E0+06			8.0	5.7	
E0+18			10.0	3.7	
E0+38			11.5	2.2	

STA-139+00

0+00=STA-139+00 ON B/L: SECT. AT

DIST	+	H.I.	−	ELEV	To B/L
B.M	4.49	13.35		8.86	STA-138+00 REV. B/L.
0+00			4.8	8.5	
E0+12			4.0	9.3	
E0+34			8.1	5.2	TOP OF CULVERT
E0+34			10.3	3.0	BOTTOM OF CULVERT
E0+61			10.0	3.3	
E1+03			11.1	2.2	

ORIGINAL

BARRAGAN SHERRY STANLEY

4-5-18

SOUNDINGS OF PROJECT #9 SECTION "ABC"

STA- 172+00

0+00=STA-172+00 "ABC" B/L: SOUND SOUTH AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	2.2	+2.7	1+70	2.0	+2.9
+10	2.2	—		2.0	—
09:05	2.2	—	(4.9)	2.0	—
(4.9)	2.5	+2.4	2+00	2.2	+2.7
	2.2	+2.7		2.1	+2.8
50	2.2	—		2.1	—
	2.2	—	09:08	2.1	—
	2.8	+2.1		2.1	—
	3.1	+1.8	50	2.1	—
	3.0	+1.9		2.1	—
1+00	2.8	+2.1		2.0	+2.9
	2.4	+2.5		2.0	—
	2.0	+2.9		2.0	—
	2.0	—	3+00	2.0	—
	1.9	+3.0		2.0	—
50	1.9	—		2.0	—
1+60	1.9	—	3+30	1.9	+3.0

STA- 172+00

1-5-18

(18)

DIST	SOUND		DIST	SOUND	
3+10	1.7	+3.2	5+50	13.2	-8.3
50	1.6	+3.3		13.2	—
	2.7	+2.2		13.5	-8.6
09:10	3.6	+1.3	(4.9)	14.0 +3.0	-9.1
(4.9)	2.0	-2.1	09:13	14.0	—
	10.9	-6.0	6+00	13.9	-9.0
4+00	13.0	-8.1		13.5	-8.6
	12.8	-7.9		13.1	-8.2
	13.0	-8.1		13.0	-8.1
	13.0	—		12.7	-7.8
	12.5	-7.6	50	12.5	-7.6
50	12.5	—		12.1	-7.2
	12.5	—		11.5	-6.6
	12.5	—		12.0	-7.1
	12.4	-7.5		12.0	—
	12.4	—	7+00	11.6	-6.7
5+00	12.8	-7.9		11.5	-6.6
	13.3	-8.4		11.5	—
	13.5	-8.6		11.5	—
	13.6	-8.7			
5+10	13.0	-8.1	7+40	11.3	-6.4

STA- 172+00

4-5-18

DIST	SOUND	
7+50	11.3	-6.4
	11.2	-6.3
(4.9)	11.2	—
	11.1	-6.2
	11.1	—
8+00	11.1	—
	11.1	—
	11.2	-6.3
	11.1	-6.2
	11.0	-6.1
50	10.5	-5.6
	10.0	-5.1
	9.1	-4.2
	8.2	-3.3
	8.0	-3.1
9+00	8.1	-3.2
	2.8	-2.9
	6.0	-1.1
	3.8	+1.1
9+10	2.9	+2.5

DIST	SOUND
9+50	1.9
09:18	

+3.0

0+00=STA-173+00W-"ABC" B/L: SOUND SOUTH AT 90° TO B/L.

DIST	SOUND
0+00	
+10	

NEXT PAGE

STA- 173+00W

4-5-18

(19)

DIST	SOUND

STA-W-173+00 1-5-18

DIST	SOUND		DIST	SOUND	
0+00	2.3	+2.4	2+10	2.0	+2.7
+10	2.2	+2.5		2.0	—
09:26	2.2	—		2.1	+2.6
(4.7)	2.1	+2.6	(4.7)	2.0	+2.7
	2.1	—	50	2.1	+2.6
50	2.1	—		2.1	—
	2.1	—		2.2	+2.5
	2.0	+2.7		2.3	+2.4
	2.1	+2.6		2.0	+2.7
	2.1	—	3+00	1.8	+2.9
1+00	2.0	+2.7		1.8	—
	2.0	—		1.7	+3.0
	1.9	+2.8		1.8	+2.9
	1.8	+2.9		1.9	+2.8
	1.8	—	50	1.4	+3.3
50	3.2	+1.5		3.0	+1.7
	2.0	+2.7		3.9	+0.8
	2.0	—		2.0	−2.3
	2.1	+2.6		9.1 ~~9.1~~	−4.4
	2.1	—	4+00	12.8	−8.1
2+00	2.1	—			

STA-W-173+00 4-5-18 (20)

DIST.	SOUND		DIST	SOUND	
4+10	12.5	−7.8	6+10	12.4	−7.7
09:30	12.5	—		12.3	−7.6
	12.5	—		12.3	—
(4.7)	12.3	−7.6	(4.7)	12.2	−7.5
50	12.4	−7.7	50	12.0	−7.3
	12.4	—		12.0	—
	12.4	—	09:33	11.9	−7.2
	12.2	−7.5		11.2	−6.5
	12.4	−7.7		11.5	−6.8
5+00	13.2	−8.5	7+00	11.5	—
	13.0	−8.3		11.4	−6.7
	12.5	−7.8		11.2	−6.5
	12.7	−8.0		10.8	−6.1
	12.5	−7.8		11.3	−6.6
50	12.2	−7.5	50	11.9	−7.2
	12.0	−7.3		11.8	−7.1
	12.0	—		11.8	—
	12.2	−7.5		11.7	−7.0
	12.6	−7.9		11.7	—
6+00	12.7	−8.0	8+00	12.0	−7.3

STA-W-173+00

4-5-18

DIST	SOUND		DIST	SOUND	
8+10	12.1	-7.4	10+10	9.0	-4.3
PX	12.4	-7.7		8.5	-3.8
(4.7)	12.5	-7.8	(4.7)	8.0	-3.3
	12.5	—		7.5	-2.8
50	12.5	—	50	7.6	-2.9
09:35	12.3	-7.6	09:38	8.0	-3.3
	12.1	-7.4		7.5	-2.8
	12.0	-7.3		7.2	-2.5
	12.0	—		7.5	-2.8
9+00	12.0	—	11+00	7.3	-2.6
	11.9	-7.2		6.6	-1.9
	11.9	—		7.0	-2.3
	11.8	-7.1		5.4	-0.7
	11.8	—		4.5	+0.2
✓ 50	11.5	-6.8	50	3.4	+1.3
	12.0	-7.3		2.6	+2.1
	10.4	-5.7	11+70	2.0	+2.7
	10.1	-5.4	09:40		
	10.0	-5.3			
10+00	9.7	-5.0			

STA-W-174+00

1-5-18

PX (31)

0+00=STA-W-174+00 "ABC" B/L: SOUND SOUTH AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	2.0	+2.4	1+90	1.8	+2.6
+10	2.0	—	2+00	1.8	—
09:38	2.0	—	09:50	1.8	—
(4.1)	2.0	—	(4.4)	1.8	—
	2.0	—		1.8	—
50	2.0	—		1.8	—
	2.0	—	50	1.8	—
	2.0	—		1.7	+2.7
	2.0	—		1.7	—
	2.0	—		1.7	—
1+00	2.0	—		1.7	—
	1.9	+2.5	3+00	1.7	—
	1.9	—		1.6	+2.8
	1.9	—		1.5	+2.9
	1.9	—		1.5	—
50	1.9	—		1.5	—
	1.9	—	50	1.5	—
	1.9	—		1.5	—
1+80	1.9	—	3+70	2.0	+2.4

STA-W-124+00 4-5-48

DIST	SOUND		DIST	SOUND	
RX					
3+80	3.1	+1.3	5+80	11.0	-6.6
(4.4)	4.2	+0.2	(4.4)	11.2	-6.8
4+00	10.0	-5.6	6+00	11.5	-7.1
	12.1	-7.7	09:55	11.9	-7.5
	12.0	-7.6		11.5	-7.1
	12.0	—		11.4	-7.0
	12.1	-7.7		11.3	-6.9
50	12.1	—	50	11.3	—
09:53	12.0	-7.6		11.3	—
	12.0	—		11.4	-7.0
	12.2	-7.8		11.4	—
	12.1	-7.7		11.5	-7.1
5+00	11.9	-7.5	7+00	11.9	-7.5
	12.0	-7.6		11.7	-7.3
	12.2	-7.8		11.7	—
	12.5	-8.1		11.8	-7.4
	12.1	-7.7		11.1	-6.7
50	11.5	-7.1	50	11.8 / ~~12.0~~	-7.4
	11.0	-6.6		11.2	-6.8
5+20	11.0	—	7+20	11.0	-6.6

STA-W-124+00 4-5-48 (22)

DIST	SOUND		DIST	SOUND	
7+80	11.0	-6.6	9+80	12.0	-7.6
(4.4)	10.8	-6.4		12.0	—
8+00	11.0	-6.6	10+00	11.8	-7.4
	11.0	—	(4.4)	11.9	-7.5
	11.0	—	10:00	11.4	-7.0
	11.0	—	(4.3)	11.4	-7.1
	11.0	—		12.0	-7.7
50	11.0	—	50	12.0	—
09:58	11.0	—		11.8	-7.5
	10.6	-6.2		11.8	—
	11.0	-6.6		11.8	—
	11.1	-6.7		11.5	-7.2
9+00	11.7	-7.3	11+00	11.5	—
	11.5	-7.1		11.6	-7.3
	11.5	—		11.5	-7.2
	11.5	—		12.1	-7.8
	11.5	—		12.1	—
50	11.8	-7.4	50	12.5	-8.2
✓	12.0	-7.6		10.0	-5.7
				9.1	-4.8
				8.0	-3.7
9+20	12.0	—	10:02	7.8	-3.5
			12+00	7.8	—

ORIGINAL — BARRAGAN SHERRY STANLEY — 1-5-48

SOUNDINGS OF PROJECT #9 SECTION "FGH"

STA-N-130+00

0+00 = STA-N-130+00 "FGH" B/L: SOUND WEST AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	2.4	-0.8	1+70	2.9	-1.3
+10	2.4	—	(1.6)	2.9	—
13:45	2.5	-0.9	13:48	2.9	—
(1.6)	2.5	—	2+00	2.9	—
	2.6	-1.0		2.9	—
50	2.6	—		2.9	—
	2.6	—		2.9	—
	2.7	-1.1		2.9	—
	2.7	—	50	3.0	-1.4
	2.8	-1.2		3.0	—
1+00	2.8	—		3.0	—
	2.8	—		3.0	—
	2.8	—		3.0	—
	2.8	—	3+00	3.1	-1.5
	2.8	—		3.0	-1.4
50	2.8	—		3.0	—
1+60	2.9	-1.3	3+30	3.0	—

STA-N-130+00 — 1-5-48 — (23)

DIST	SOUND		DIST	SOUND	
3+40	3.0	-1.4	5+40	2.7	-1.2
50	3.0	—	50	2.7	—
(1.6)					
13:50	3.0	—	13:53	2.5	-1.0
(1.5)	3.0	-1.5	(1.5)	2.4	-0.9
	3.0	—		2.4	—
	3.0	—		2.4	—
4+00	3.0	—	6+00	2.4	—
	2.9	-1.4		2.4	—
	2.9	—		2.4	—
	2.9	—		2.3	-0.8
	2.9	—		2.3	—
50	3.1	-1.6	50	2.3	—
	3.0	-1.5		2.4	-0.9
	3.0	—		2.4	—
	3.0	—		2.3	-0.8
	2.9	-1.4	13:55	2.0	-0.5
5+00	2.9	—	7+00	2.0	—
	2.7	-1.2		2.1	-0.6
	2.5	-1.0		2.2	-0.7
5+30	2.6	-1.1	7+30	2.2	—

STA N130+00 — 4-5-18

DIST	SOUND		DIST	SOUND	
7+40	2.2	-0.7	9+40	2.0	-0.5
50	2.1	-0.6	50	2.0	—
(1.5)	2.1	—	(1.5)	2.0	—
	2.1	—		1.9	-0.4
	2.0	-0.5		1.9	—
	2.1	-0.6		1.9	—
8+00	2.0	-0.5	10+00	1.9	—
	2.0	—		1.9	—
	2.0	—		2.0	-0.5
	2.1	-0.6		2.0	—
	2.1	—		1.8	-0.3
50	2.2	-0.7	(1.5) 50	1.8	—
	2.1	-0.6	14:00	1.8	—
	2.0	-0.5	(1.4)	1.5	-0.1
	2.1	-0.6		1.8	-0.4
	2.0	-0.5		1.8	—
9+00	2.0	—	11+00	1.6	-0.2
	2.0	—		1.7	-0.3
13:58	2.0	—		1.7	—
9+30	2.0	—	11+30	1.7	—

STA N130+00 — 4-5-18 — (24)

DIST	SOUND		DIST	SOUND	
11+40	1.7	-0.3	13+40	1.4	0.0
50	1.7	—	13+50	1.4	—
(1.4)	1.7	—	(1.4)		
	1.6	-0.2			
	1.5	-0.1			
	1.7	-0.3			
12+00	1.8	-0.4			
	1.8	—			
	1.7	-0.3			
	1.6	-0.2			
	1.5	-0.1			
50	1.5	—			
	1.6	-0.2			
	1.5	-0.1			
	1.5	—			
	1.5	—			
13+00	1.5	—			
	1.5	—			
	1.4	0.0			
13+30	1.4	—			

INCOMPLETE

ORIGINAL

BARRAGAN SHERRY STANLEY 9-7-48 CALM CLEAR WARM

SOUNDINGS OF PROJECT #9 SECTION "CDE"

PY

STA-N-100+50

0+00 = STA-N-100+50 "CDE" B/L. SOUND WEST AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	1.9	+3.0	1+60	1.8	+3.1
+10	1.9	—		1.8	—
09:29	1.9	—		1.7	+3.2
(4.9)	1.8	+3.1	(4.9)	1.7	—
	1.8	—	2+00	3.7	+1.2
50	1.7	+3.2		4.4	+0.5
	1.5	+3.4		5.6	-0.7
	1.4	+3.5		7.4	-2.5
	1.4	—		7.4	—
	1.4	—	50	8.0	-3.1
1+00	1.4	—		9.8	-4.9
	1.4	—		9.5	-4.6
	1.4	—		8.4	-3.5
	1.5	+3.4		7.3	-2.4
	1.5	—	3+00	6.2	-1.3
1+50	1.5	—	3+10	5.2	-0.3

STA-N-100+50

4-7-48

DIST	SOUND		DIST	SOUND	
3+20	4.8	+0.1	5+20	12.7	-7.8
	4.5	+0.4		12.8	-7.9
(4.9)	4.0	+0.9	(4.9)	12.2	-7.3
50	3.8	+1.1	50	12.0	-7.1
	3.8	—		12.2	-7.3
	4.3	+0.6		12.6	-7.7
	6.0	-1.1		13.0	-8.1
	8.5	-3.6		13.0	—
4+00	10.5	-5.6	6+00	13.2	-8.3
	12.1	-7.5	09:35		
	12.6	-7.7			
	12.4	-7.5			
	12.4	—			
50	12.4	—			
	12.4	—			
	12.3	-7.4			
	12.1	-7.2			
	12.0	-7.1			
5+00	12.0	—			
5+10	12.3	-7.4			

1-7-48

PX

STA-N-101+00

0+00=STA-N-101+00 "CDE" B/L: SOUND WEST AT 90° T.B/L.

DIST	SOUND		DIST	SOUND	
0+00	1.9	+ 3.1	1+80	2.0	+3.0
+10	1.9	—	(5.0)	2.0	—
09:10	1.9	—	2+00	2.0	—
(5.0)	1.9	—	09:13	2.0	—
	1.9	—		2.0	—
50	1.8	+ 3.2		2.0	—
	1.7	+ 3.3		2.0	—
	1.7	—	50	1.9	+3.1
	1.7	—		1.9	—
	1.6	+ 3.4		1.9	—
1+00	1.7	+3.3		1.9	—
	1.7	—		2.0	+3.0
	1.7	—	3+00	2.0	—
	1.7	—		2.0	—
	1.7	—		2.0	—
50	1.8	+3.2		2.0	—
	1.8	—		2.0	—
1+70	1.9	+3.1	3+50	2.0	—

STA-101+00

1-7-48

(76)

DIST	SOUND		DIST	SOUND	
3+60	2.0	+3.0	5+60	12.5	- 7.5
	2.0	—	09:47	12.6	- 7.6
(5.0)	2.0	—		12.8	- 7.8
09:45	2.0	—	(5.0)	13.0	- 8.0
4+00	2.1	+2.9	6+00	13.0	—
	2.7	+2.3		13.5	- 8.5
	3.4	+1.6	6+20	13.5	—
	4.0	+1.0			
	4.5	+0.5			
50	4.5	—			
	9.0	-4.0			
	10.9	-5.9			
	11.8	-6.8			
	11.9	-6.9			
5+00	12.0	-7.0			
	12.0	—			
	12.2	-7.2			
	12.7	-7.7			
	12.8	-7.8			
5+50	~~12.5~~ 11.5	-6.5			

7-7-98

STA-N-102+00

0+00 = STA.-N-102+00 "CDE" B/L: SOUND WEST AT 90° TO B/L

DIST	SOUND		DIST	SOUND	
0+00	2.0	+3.0	1+80	1.8	+3.2
+10	2.0	—		1.8	—
09:54	2.0	—	2+00	1.8	—
(5.0)	2.0	—	(5.0)	1.8	—
	1.9	+3.1		1.8	—
50	1.9	—		1.9	+3.1
	1.9	—		1.9	—
	1.9	—	50	1.9	—
	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	—
09:55	1.8	+3.2		1.9	—
1+70	1.8	—	3+50	1.9	—

STA-N-102+00

7-7-98

(27)

DIST	SOUND		DIST	SOUND	
3+60	1.9	+3.1	5+60	3.5	+1.5
	1.9	—		4.4	+0.6
(5.0)	1.9	—	(5.0)	8.6	-3.6
	2.0	+30		11.8	-6.8
4+00	2.0	—	6+00	13.7	-8.7
	2.0	—		13.5	-8.5
	2.0	—		13.5	—
09:58	2.0	—		13.8	-8.8
	2.0	—		13.9	-8.9
50	2.0	—	50	13.7	-8.7
	2.0	—		13.7	—
	2.1	+2.9		13.7	—
	2.1	—		13.4	-8.4
	2.1	—		13.0	-8.0
5+00	2.1	—	7+00	13.0	—
	2.2	+2.8	10:02		
	2.4	+2.6			
	2.4	—			
	2.5	+2.5			
5+50	2.9	+2.4			

7-7-18

PK

STA-N-103+00

0+00=STA-N-103+00 "CDE" B/L: SOUND WEST AT 90° TO B/L

DIST	SOUND		DIST	SOUND	
0+00	2.0	+3.0	1+80	1.8	+3.2
+10	2.0	—		1.8	—
10:08	2.0	—	2+00	1.8	—
(5.0)	2.0	—	(5.0)	1.8	—
	2.0	—		1.8	—
50	2.0	—		1.8	—
	2.0	—		1.8	—
	2.0	—	50	1.8	—
	2.0	—		1.8	—
	2.0	—		1.8	—
1+00	2.0	—	10:10	1.7	+3.3
	2.0	—		1.7	—
	2.0	—	3+00	1.7	—
	1.9	+3.1		1.8	+3.2
	1.9	—		1.8	—
50	1.9	—		1.8	—
	1.9	—		1.8	—
1+70	1.8	+3.2	3+50	1.8	—

STA-N-103+00

7-7-18

(28)

PX

DIST	SOUND		DIST	SOUND	
3+60	1.8	+3.2	5+60	2.0	+3.0
	1.8	—		2.0	—
(5.0)	1.9	+3.1	(5.0)	2.1	+2.9
	1.9	—		2.9	+2.1
4+00	1.9	—	6+00	3.9	+1.1
	1.9	—		6.0	-1.0
	1.9	—		10.0	-5.0
	1.9	—		12.4	-7.1
	1.9	—		13.3	-8.3
50	1.9	—	50	13.3	—
	1.9	—		13.3	—
	1.9	—		13.4	-8.4
	1.9	—		13.4	—
	1.9	—		13.4	—
5+00	1.9	—	7+00	13.5	-8.5
	1.9	—		13.2	-8.2
	2.0	+3.0		13.0	-8.0
	2.0	—	10:15	13.2	-8.2
10:13	2.0	—		13.2	—
5+50	2.0	—	7+50	13.0	-8.0

9-7-48

STA-N-104+00

0+00 = STA-N-104+00 "CDE" B/L: SOUND WEST AT 90° T. B/L.

DIST	SOUND		DIST	SOUND	
0+00	2.0	+2.8	1+80	1.9	+2.9
+10	2.0	—		1.8	+3.0
10:24	2.0	—	2+00	1.8	—
(4.8)	2.0	—	(4.8)	1.8	—
	2.0	—		1.8	—
50	2.0	—		1.8	—
	2.0	—		1.8	—
	2.0	—	50	1.8	—
	2.0	—	10:27	1.9	+2.9
	2.0	—		1.8	+3.0
1+00	2.0	—		1.8	—
	2.0	—		1.8	—
	2.0	—	3+00	1.8	—
	2.0	—		1.8	—
	2.0	—		1.7	+3.1
50	1.9	+2.9		1.7	—
	1.9	—		1.6	+3.2
1+70	1.9	—	3+50	1.6	—

STA-N-104+00 9-7-48 (29)

DIST	SOUND		DIST	SOUND	
3+60	1.6	+3.2	5+60	1.9	+2.9
	1.6	—		1.9	—
(4.8)	1.6	—	(4.8)	1.9	—
	1.6	—		1.8	+3.0
4+00	1.6	—	6+00	1.7	+3.1
	1.7	+3.1		2.0	+2.8
	1.7	—		3.0	+1.8
	1.7	—		4.5	+0.3
	1.7	—		9.7	−4.9
50	1.7	—	50	11.8	−7.0
	1.7	—		12.0	−7.2
	1.8	+3.0		12.5	−7.7
	1.9	+2.9		12.7	−7.9
	1.9	—		13.1	−8.3
5+00	1.9	—	7+00	13.0	−8.2
	1.9	—		12.5 +3.5	−7.7
	1.9	—		12.7	−7.9
10:30	1.9	—		12.8	−8.0
	1.9	—		12.8	—
5+50	1.9	—	10:33 7+50	12.8	—

4-7-98

STA-N-105+00

0+00=STA-N-105+00 "CDE" B/L: SOUND WEST AT 90° TO B/L

DIST	SOUND		DIST	SOUND	
0+00	2.5	+2.2	1+80	1.9	+2.8
+10	2.5	+2.2		1.9	—
10:41	2.4	+2.3	2+00	1.9	—
(4.7)	2.0	+2.7	(4.7)	1.9	—
	2.2	+2.5		1.9	—
50	2.2	—		1.9	—
	1.9	+2.8		1.9	—
	1.9	—	50	1.8	+2.9
	1.9	—		1.8	—
	1.9	—	10:45	1.8	—
1+00	1.9	—		1.8	—
	1.9	—		1.8	—
	1.9	—	3+00	1.8	—
	1.9	—		1.8	—
	1.9	—		1.8	—
50	1.9	—		1.8	—
	1.9	—		1.8	—
1+70	1.9	—	3+50	1.8	—

STA-N-105+00

4-7-98

DIST	SOUND		DIST	SOUND	
3+60	1.8	+2.9	5+60	1.8	+2.9
	1.8	—		1.8	—
	1.7	+3.0	10:48	1.8	—
(4.7)	1.7	—	(4.7)	1.8	—
4+00	1.7	—	6+00	1.8	—
	1.7	—		1.8	—
	1.7	—		1.7	+3.0
	1.7	—		1.7	—
	1.7	—		2.3	+2.4
50	1.7	—	50	3.3	+1.1
	1.7	—		5.0	-0.3
	1.7	—		9.5	-4.8
	1.7	—		11.1	-6.4
	1.8	+2.9		11.2	-7.0
5+00	1.8	—	7+00	12.0	-7.3
			10	12.3	-7.6
	1.8	—	20	12.3	-7.6
			30	12.5	-7.8
	1.8	—	40	12.5	-7.8
			7+50	12.7	-8.0
	1.8	—	60	12.9	-8.2
			70	12.5	-7.8
	1.8	—	80	12.5	-7.8
			10:51 90	13.0	-8.3
5+50	1.8	—	8+00	12.6	-7.9

STA. N-106+00

0+00 = STA. N-106+00 "CDE" B/L: SOUND WEST AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	2.4	+2.1	1+80	1.9	+2.6
+10	2.4	—		1.9	—
10:59	2.6	+1.9	2+00	1.9	—
	2.6	1.9	11:02	1.9	—
(4.5)	2.6	—	(4.5)	1.9	—
50	2.7	+1.8		1.9	—
	2.7	—		1.9	—
	2.5	+2.0	50	1.9	—
	2.0	+2.5		1.9	—
	1.9	+2.6		1.9	—
1+00	1.8	+2.7		1.9	—
	1.8	—		1.9	—
	1.8	—	3+00	1.9	—
	1.8	—		1.9	—
	1.8	—		1.9	—
50	1.8	—		1.9	—
	1.8	—		1.9	—
1+70	1.9	+2.6	3+50	1.9	—

DIST	SOUND		DIST	SOUND	
3+60	1.9	+2.6	5+50	1.7	+2.8
	1.9	—		1.6	+2.9
(4.5)	1.9	—	(4.5)	1.6	—
	1.9	—		1.6	—
4+00	1.9	—	6+00	1.6	—
11:05	1.9	—		1.6	—
	1.9	—		1.6	—
	1.9	—		1.6	—
	1.9	—		1.6	—
	1.9	—		1.6	—
50	1.9	—	50	1.6	—
	1.9	—		1.7	+2.8
	1.9	—		1.7	—
	1.9	—		2.2	+2.3
	1.9	—		3.1	+1.9
5+00	1.9	—	7+00	5.0	−0.5
	1.8	+2.7		9.5	−5.0
	1.8	—	11:08	11.0	−6.5
	1.8	—		11.5	−7.0
	1.7	+2.8		11.6	−7.1
5+50	1.7	—	7+50	11.8	−7.3

4-7-48

STA - N - 106+00

PX

DIST	SOUND		DIST	SOUND
2+60	11.8	-7.3		
	11.9	-7.4		
(4.5)	12.0	-7.5		
	12.1	-7.6		
8+00	12.1	—		
	12.1	—		
	12.5	-8.0		
	13.1	-8.6		
	13.4	-8.9		
50	13.2	-8.7		
11:10				

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PX

(32)

STA - N - 107+00

0+00 = STA - N - 108+00 "CDE" B/L: SOUND WEST AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	1.5	+2.8	1+80	2.3	+2.0
+10	1.5	—		2.1	+2.2
11:18	1.7	+2.6	2+00	2.0	+2.3
(4.3)	1.6	+2.7	(4.3)	1.9	+2.4
	1.5	+2.8		1.9	—
50	1.5	—		1.8	+2.5
	2.0	+2.3		1.8	—
	1.8	+2.5	50	1.8	—
	1.8	—		1.8	—
	1.8	—		1.7	+2.6
1+00	2.0	+2.3		1.7	—
	2.2	+2.1		1.7	—
	2.4	+1.9	3+00	1.7	—
	2.4	—		1.7	—
	2.5	+1.8		1.8	+2.5
50	2.4	+1.9		1.8	—
11:20	2.4	—		1.8	—
1+70	2.4	—	3+50	1.8	—

STA - N-107+00 — 9-7-98

DIST	SOUND		DIST	SOUND	
3+60	1.9	+2.4	5+60	1.8	+2.5
	1.9	—		1.7	+2.6
(4.3)	1.9	—	(4.3)	1.7	—
	1.9	—		1.7	—
4+00	1.9	—	6+00	1.7	—
	1.9	—	11:25	1.7	—
	1.9	—		1.6	2.7
	1.9	—		1.6	—
	1.9	—		1.6	—
50	1.9	—	50	1.6	—
	1.9	—		1.6	—
	2.0	2.3		1.6	—
	2.0	—		1.6	—
	2.0	—		1.7	+2.6
5+00	2.0	—	7+00	1.7	—
	2.0	—		2.2	+2.1
	2.0	—		3.1	+1.2
	1.9 ~~1.9~~	+2.4		4.5	-0.2
	1.9	—		8.1	-3.8
5+50	1.9	—	7+50	10.2	-5.9

STA - N-107+00 — 9-7-98

DIST	SOUND		DIST	SOUND
7+60	11.0	-6.7		
	11.0	—		
(4.3)	11.3	-7.0		
11:27	11.5	-7.2		
8+00	11.9	-7.6		
	11.9	—		
	11.9	—		
	12.0	-7.7		
	12.0	—		
50	12.0	—		
	12.1	-7.8		
	12.4	-8.1		
	13.1	-8.8		
	13.1	—		
9+00	13.0	+8.7		
11:29				

4-7-48

STA-108+00-N

0+00 = STA-N-108+00 "CDE" B/L: SOUND WEST AT 90° T.B/L.

DIST	SOUND		DIST	SOUND	
0+00	1.7	+2.3	1+80	1.5	+2.5
+10	1.7	—		1.5	—
11:36	1.7	—	2+00	1.5	—
(4.0)	1.7	—	(4.0)	1.7	+2.3
	1.7	—		1.6	+2.4
50	1.6	+2.4		1.6	—
	1.6	—		1.7	+2.3
	1.6	—	50	2.0	+2.0
	1.6	—		2.1	+1.9
	1.6	—		2.2	+1.8
1+00	1.6	—		2.2	—
	1.6	—		2.2	—
	1.6	—	3+00	2.3	+1.7 ~~+2.7~~
	1.6	—		2.3	—
	1.5	+2.5		2.3	—
50	1.5	—		2.0	+2.0
	1.5	—		1.7	+2.3
1+70	1.5	—	3+50	1.7	—

STA-N-108+00

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DIST	SOUND		DIST	SOUND	
3+60	1.6	+2.4	5+60	1.9	+2.1
	1.6	—		1.9	—
(4.0)	1.6	—	(4.0)	1.9	—
	1.6	—		1.9	—
4+00	1.7	+2.3	6+00	1.9	—
	1.8	+2.2		1.8	+2.2
	1.8	—		1.8	—
	1.8	—		1.7	+2.3
	1.8	—		1.7	—
50	1.8	—	50	1.6	+2.4
11:40	1.8	—		1.6	—
	1.8	—		1.5	+2.5
	1.9	+2.1		1.5	—
	1.9	—		1.5	—
5+00	2.0	+2.0	7+00	1.5	—
	2.0	—		1.5	—
	2.0	—		1.5	—
	2.0	—		1.6	+2.4
	2.0	—		1.7	+2.3
	2.0	—	11:43 7+50	2.4	+1.6

STA- N-108+00

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DIST	SOUND		DIST	SOUND
PX				
7+60	3.2	+0.8		
	7.1	-3.1		
(4.0)	11.7	-7.7		
	12.0	-8.0		
8+00	11.6	-7.6		
	11.8	-7.8		
	11.8	—		
	11.8	—		
	11.8	—		
50	11.8	—		
	11.8	—		
	11.8	—		
	12.0	-8.0		
	12.0	—		
9+00	12.0	—		
	12.0	—		
	12.3	-8.3		
	12.0	-8.0		
	12.0	—		
11:45				
9+50	12.1	-8.1		

4-7-98

(35)

STA- N-109+00

PX

0+00 = STA-N-109+00 "CDE" B/L: SOUND WEST AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	1.7	+2.2	1+80	1.7	+2.2
+10	1.7	—		1.7	—
11:53	1.7	—	2+00	1.7	—
(3.9)	1.7	—	(3.9)	1.7	—
	1.7	—		1.7	—
50	1.7	—		1.6	+2.3
	1.7	—		1.6	—
	1.7	—	50	1.6	—
	1.7	—		1.5	+2.1
	1.7	—	11:55	1.5	—
1+00	1.7	—		1.5	—
	1.8	+2.1		1.5	—
	1.8	—	3+00	1.5	—
	1.8	—		1.5	—
	1.8	—		1.5	—
50	1.7	+2.2		1.5	—
	1.7	—		1.4	+2.5
1+70	1.7	—	3+50	1.4	—

STA - N-109+00 — 9-7-48

DIST	SOUND		DIST	SOUND	
3+60	1.7	+2.5	5+60	1.7	+2.1
	1.9	—	11:58	1.6	+2.2
(3.9)	1.8	+2.1		1.6	—
	2.0	+1.9	(3.8)	1.6	—
4+00	20	+1.8	6+00	1.6	—
(3.8)	2.0	—		1.6	—
	2.2	+1.6		1.6	—
	2.2	—		1.6	—
	2.1	+1.7		1.6	—
50	2.0	+1.8	50	1.6	—
	1.9	+1.9		1.6	—
	1.8	+2.0		1.5	+2.3
	1.7	+2.1		1.4	+2.4
	1.6	+2.2		1.4	—
5+00	1.6	—	7+00	1.4	—
	1.7	+2.1		1.4	—
	1.7	—		1.4	—
	1.7	—		1.4	—
	1.7	—		1.4	—
5+50	1.7	—	7+50	1.4	—

STA - N-109+00 — 9-7-48 — (36)

DIST	SOUND		DIST	SOUND
7+60	1.5	2.3		
(3.8)	1.7	+2.1		
12:00	1.8	+2.0		
	2.5			
	~~2.5~~	+1.3		
8+00	3.5	+0.3		
	6.0	-2.2		
	10.7	-6.9		
	11.1	-7.3		
	11.3	-7.5		
50	11.5	-7.7		
	11.5	—		
	11.7	-7.9		
	11.8	-8.0		
	11.7	-7.9		
9+00	11.8	-8.0		
	12.0	-8.2		
	12.0	—		
	12.0	—		
	12.2	-8.4		
12:02				
9+50	12.2	—		

9-7-98

STA-N-117+00

0+00 = STA-N-117+00 "CDE" R/L; SOUND WEST AT 90° TO R/L

DIST	SOUND		DIST	SOUND	
0+00	1.8	+0.9	1+80	1.9	+0.8
+10	1.8	—		1.9	—
13:23	1.7	+1.0	2+00	2.0	+0.7
(2.7)	1.7	—	(2.7)	2.0	—
	1.7	—		2.0	—
50	1.7	—		2.0	—
	1.7	—		2.0	—
	1.7	—	50	2.0	—
	1.7	—		2.0	—
	1.7	—		2.0	—
1+00	1.7	—		2.0	—
13:25	1.7	—		2.1	+0.6
	1.7	—	3+00	2.1	—
	1.8	+0.9		2.1	—
	1.8	—		2.2	+0.5
50	1.8	—		2.2	—
	1.8	—		2.2	—
1+70	1.9	+0.8 ~~+0.8~~	3+50	2.2	—

STA-N-117+00 9-7-98 (37)

DIST	SOUND		DIST	SOUND	
3+60	2.3	+0.4	5+60	2.2	+0.5
	2.3	—		2.1	+0.6
(2.7)	2.3	—		2.1	—
	2.3	—	(2.7)	2.1	—
4+00	2.3	—	6+00	2.1	—
	2.3	—	13:30	2.1	—
	2.3	—	(2.6)	2.1	+0.5
	2.4	+0.3		2.0	+0.6
	2.2	+0.5		2.0	—
50	2.2	—	50	2.0	—
	2.2	—		2.0	—
	2.3	+0.4		2.0	—
	2.3	—		2.0	—
	2.3	—		2.0	—
5+00	2.3	—	7+00	1.9	+0.7
	2.3	—		1.9	—
	2.3	—		1.9	—
	2.3	—		1.9	—
	2.2	+0.5		1.8	+0.8
5+50	2.2	—	7+50	1.8	—

4-7-98

STA-117+00

RX

DIST	SOUND		DIST	SOUND	
7+60	1.8	+0.8	9+60	1.7	+0.9
	1.8	—		1.8	+0.8
(2.6)	1.7	+0.9	(2.6)	2.2	+0.4
	1.7	—		2.4	+0.2
8+00	1.7	—	10+00	2.4	—
	1.6	+1.0		2.8	-0.2
	1.6	—		4.0	-1.4
	1.6	—		7.1	-4.5
	1.6	—		9.2	-6.6 -7.6
50	1.6	—	50	10.2	-7.6
	1.6	—		10.1	-7.5
	1.6	—		10.0	-7.4
	1.6	—		10.0	—
	1.7	+0.9		10.0	—
9+00	1.7	—	11+00	10.0	—
			10	9.8	-7.2
13:33	1.6	+1.0	20	9.6	-7.0
			30	9.4	-6.8
	1.6	—	40	9.2	-6.6
			11+50	9.3	-6.7
	1.6	—	60	8.5	-5.9
			70	7.3	-4.7
	1.6	—	80	5.3	-2.7
			11+90	4.0	-1.4
9+50	1.6	—	13:37		

4-7-98

(38)

STA-116+00-N

RX

0+00 = STA-N-116+00 "CDE" B/L: SOUND WEST AT 90° TO B/L.

DIST	SOUND		DIST	SOUND	
0+00	1.4	+1.1	1+80	1.6	+0.9
+10	1.4	—		1.6	—
13:45	1.5	+1.0	2+00	1.6	—
(2.5)	1.5	—		1.6	—
	1.5	—	(2.5)	1.7	+0.8
50	1.5	—	13:48	1.7	—
	1.5	—	(2.1)	1.7	+0.7
	1.5	—	50	1.7	—
	1.5	—		1.7	—
	1.4	+1.1		1.8	+0.6
1+00	1.5	+1.0		1.8	—
	1.5	—		1.8	—
	1.5	—	3+00	1.8	—
	1.5	—		1.8	—
	1.5	—		1.8	—
50	1.7	+0.8		1.8	—
	1.7	—		1.8	—
1+70	1.7	—	3+50	1.8	—

STA - N-11 6+00 — 9-7-18

DIST	SOUND		DIST	SOUND	
3+60	1.8	+0.6	5+60	1.6	+0.8
	1.8	—		1.6	—
(2.4)	1.8	—	(2.4)	1.6	—
	1.8	—		1.6	—
4+00	1.8	—	6+00	1.6	—
	1.9	+0.5		1.6	—
	1.9	—		1.6	—
13:50	1.9	—		1.6	—
	1.9	—		1.6	—
50	1.9	—	50	1.5	+0.9
	1.8	+0.6		1.5	—
	1.8	—		1.5	—
	1.8	—		1.5	—
	1.8	—		1.5	—
5+00	1.8	—	7+00	1.5	—
	1.8	—	13:53	1.5	—
	1.7	+0.7		1.4	+1.0
	1.7	—		1.4	—
	1.7	—		1.4	—
5+50	1.6	+0.8	7+50	1.4	—

STA - N-11 6+00 — 9-7-18 — (39)

DIST	SOUND		DIST	SOUND	
7+60	1.4	+1.0	9+60	1.5	+0.9
	1.4	—		1.9	+0.5
(2.4)	1.3	+1.1	(2.4)	1.8	+0.7
	1.3	—		2.6	-0.2
8+00	1.3	—	10+00	6.2	-3.8
	1.3	—		8.0	-5.6
	1.2	+1.2		8.8	-6.4
	1.2	—		9.7	-7.3
	1.2	—		9.7	—
50	1.2	—	50	9.4	-7.0
	1.2	—		9.3	-6.9
	1.2	—		9.5	-7.1
	1.2	—		9.4	-7.0
	1.3	+1.1		9.6	-7.2
9+00	1.3	—	11+00	9.1	-6.7
	1.3	—		9.1	—
13:55	1.4	+1.0		9.0	-6.6
	1.4	—		8.6	-6.2
	1.6	+0.8		8.0	-5.6
9+50	1.5	+0.9	14:00 11+50	7.1 5.5	-9.7 -3.1

CURRENT FINAL 5-7-48

SOUNDINGS OF PROJECT #3-1 DE-ANZA COVE

PX

STA-77+00W

0+00=STA-77+00 DE-ANZA COVE B/L; SOUND DUE SOUTH.

DIST	SOUND		DIST	SOUND	
N-0+22	0.0	+4.3			
N-0+20	0.3	+4.0	1+10	12.3	-8.0
(4.3)					
N-0+10	3.0	+1.3	50	12.4	-8.1
10:35					
0+00	7.7	-0.4	(4.3)	12.8	-8.5
S-0+10	5.8	-1.5		13.0	-8.7
↓ +20	6.5	-2.2		13.8	-9.5
10:42	7.4	-3.1		13.4	-9.1
(4.3)	8.0	-3.7	2+00	13.7	-9.4
50	8.7	-4.4		14.0 +3.0	-9.7
	10.0	-5.7	10:45	14.1	-9.8
	10.0	-5.7		14.0	-9.7
	11.4	-7.1		14.0	-9.7
	12.0	-7.7	50	14.0	-9.7
1+00	12.0	-7.7		13.7	-9.4
	12.3	-8.0		14.0	-9.7
	12.4	-8.1		14.0	—
1+30	12.5	-8.2	2+90	14.0	—

STA-77+00 5-7-48 (40)

PX

DIST	SOUND		DIST	SOUND	
3+00	14.0	-9.7	5+00	13.1	-8.8
	13.7	-9.4		13.9	-9.6
(4.3)	13.5	-9.2	(4.3)	14.0	-9.7
	13.7	-9.4		14.0	-9.7
	13.7	-9.4		13.9	-9.6
50	13.8	-9.5	50	13.9	-9.6
	13.7	-9.4		13.5	-9.2
	13.7	-9.4		13.5	-9.2
	13.5	-9.2		13.2	-8.9
	13.4	-9.1		12.8	-8.5
4+00	13.1	-8.8	6+00	12.5	-8.2
	13.1	-8.8		12.5	-8.2
	13.1	-8.8		13.4	-9.1
	13.6	-9.3		13.5	-9.2
	13.3	-9.0		13.5	-9.2
50	13.0	-8.7	50	13.4	-9.1
	12.8	-8.5		13.7	-9.4
	13.0	-8.7	10:50	13.8	-9.5
10:48	13.4	-9.1		13.8	-9.5
4+90	13.7	-9.4	6+90	14.1	-9.8

5-7-18

STA - 77+00

DIST	SOUND		DIST	SOUND	PX
7+00	13.5	-9.2	9+00	10.7	-6.3
	13.1	-8.8	(43)	10.0	-5.7
(43)	13.2	-8.9	10:53	10.0	-5.7
	13.2	-8.9		9.2	-4.9
	12.8	-8.5		9.2	-4.9
50	13.4	-9.1	50	8.0	-3.7
	13.4	—		8.0	-3.7
	13.4	—		8.4	-4.1
	13.1	-8.8		8.4	-4.1
	13.2	-8.9		8.0	-3.7
8+00	13.6	-9.3	10+00	7.5	-3.2
	13.6	-9.3		7.7	-3.2
	13.7	-9.4		7.5	-3.2
	13.7	-9.4		7.5	-3.2
	13.0	-8.7		8.5	-4.2
50	13.0	—	50	8.0	-3.7
	13.2	-8.9		7.0	-2.1
	12.0	-7.7		6.6	-2.3
	11.5	-7.2	10:55	6.5	-2.2
8+90	11.1	-6.8	10+90	6.6	-2.3

STA - 77+00 W

5-7-18

(41)

DIST	SOUND		DIST	SOUND	PX
11+00	7.5	-3.2	13+00	13.5	-9.2
	8.0	-3.7		13.5	-9.2
(43)	7.8	-3.5	(43)	13.2	-8.9
	8.2	-3.9	10:58	13.3	-9.0
	9.0	-4.7		13.5	-9.2
50	9.0	—	50	13.8	-9.5
	9.0	—		14.0	-9.7
	10.1	-5.8		14.4	-10.1
	10.1	—		14.0	-9.7
	10.0	-5.7		14.3	-10.0
12+00	10.2	-5.9	14+00	14.0	-9.7
	11.0	-6.7		13.8	-9.5
	11.3	-7.0		13.0	-8.7
	11.5	-7.2		12.5	-8.2
	12.0	-7.7		12.5	—
50	12.0	—	50	12.5	—
	11.5	-7.2		12.7	-8.3
	12.0	-7.7		12.5	-8.2
	12.7	-8.4		12.7	-8.3
12+90	13.1	-8.8	14+90	12.5	-8.2

5-7-98

STA- 77+00

DIST	SOUND		DIST	SOUND
15+00	12.6	-8.3		
11:00	12.7	-8.4		
	12.4	-8.1		
(4.3)	12.8	-8.5		
	12.5	-8.2		
50	12.5	—		
	13.0	-8.7		
	12.5	-8.2		
	12.4	-8.1		
	12.2	-7.9		
16+00	11.8	-7.5		
	6.0	-1.7		
	4.9	-0.6		
	4.9	-0.6		
	5.0	-0.7		
50	4.5	-0.2		
11:03	4.1	+0.2		
	4.0	+0.3		
	4.0	+0.3		
	4.2	+0.1		
17+00	4.0	+0.3		

5-7-98 (42)

STA- 76+00-W

0+00=STA-76+00W DE-ANZA COVE B/k: SOUND DUE SOUTH.

DIST	SOUND		DIST	SOUND	
0+00	4?	+4.2	1+80	12.4	-8.2
0+09	0.0	+4.2		13.0	-8.8
+20	3.0	+1.2	2+00	13.0	-8.8
11.18	5.1	-0.9		13.5	-9.3
(4.2)	6.0	-1.8	(4.2)	14.0	-9.8
50	6.9	-2.7		13.7	-9.5
	7.2	-3.0		12.8	-8.6
	7.8	-3.6	50	12.6	-8.4
	9.0	-4.8		12.5	-8.3
	9.5	-5.3		12.4	-8.2
1+00	10.4	-6.2		12.5	-8.3
	11.4	-7.2		12.5	-8.3
	11.5	-7.3	3+00	12.5	-8.3
	11.8	-7.6		12.8	-8.6
	12.0 ~~+0~~	-7.8		13.5	-9.3
50	12.0	-7.8		13.8	-9.6
	12.4	-8.2		13.8	-9.6
1+70	12.8	-8.6	3+50	13.5	-9.3

STA-76+00W 5-7-48 PX

DIST	SOUND		DIST	SOUND	PX
3+60	13.2	-9.1	5+60	12.8	-8.7
11:23	13.2	-9.1		13.4	-9.3
(4.2)	13.0	-8.8	(4.1)	13.4	-9.3
(4.1)	13.0	-8.9		13.4	—
4+00	13.1	-9.0	6+00	13.4	—
	13.0	-8.9		13.4	—
	12.7	-8.6		13.2	-9.1
	12.7	-8.6		13.4	-9.3
	12.6	-8.5		13.4	—
50	12.6	-8.5	50	13.0	-8.9
	12.9	-8.8		12.9	-8.8
	13.0	-8.9		12.8	-8.7
	13.0	—		12.7	-8.6
	13.0	—		12.7	—
5+00	13.0	—	7+00	12.7	—
	13.1	-9.0		12.7	—
11:25	13.1	—		13.2	-9.1
	12.9	-8.8		13.4	-9.3
	12.8	-8.7		12.8	-8.7
5+50	12.7	-8.6	7+50	13.2	-9.1

DIST	SOUND		DIST	SOUND	PX
7+60	13.5	-9.4	9+60	13.8	-9.8
11:28	13.6	-9.5		13.7	-9.7
	13.4	-9.3	(4.0)	13.8	-9.8
(4.1)	14.8	-10.7		13.8	-9.8
8+00	14.0	-9.9	10+00	13.5	-9.5
	13.6	-9.5		13.2	-9.2
	13.5	-9.4		13.4	-9.4
	13.4	-9.3		13.6	-9.6
	13.1	-9.0		13.0	-9.0
50	13.4	-9.3	50	13.0	—
	13.1	-9.0		13.2	-9.2
	13.2	-9.1		13.2	-9.2
	13.2	-9.1		13.2	-9.2
	12.7	-9.6		13.1	-9.1
9+00	13.0	-8.9	11+00	13.1	—
	13.5	-9.4		13.5	-9.5
(4.1)	13.6	-9.5		13.4	-9.4
(4.0)	14.0	-10.0		13.4	-9.4
11:30	13.8	-9.7		13.5	-9.5
9+50	13.8	-9.7	11+50	13.1	-9.1

STA-76+00W 5-7-48

DIST	SOUND		DIST	SOUND	PX
11+60	13.2	-9.2	13+60	12.8	-8.8
11:33	13.3	-9.3	11:35	12.6	-8.6
	13.2	-9.2		12.5	-8.5
(4.0)	13.0	-9.0	(4.0)	13.0	-9.0
12+00	12.9	-8.9	14+00	13.0	-9.0
	12.9	—		12.6	-8.6
	12.8	-8.8		12.5	-8.5
	12.8	—		12.8	-8.8
	13.0	-9.0		12.8	-8.8
50	13.2	-9.2	50	13.0	-9.0
	12.8	-8.8		12.4	-8.4
	13.1	-9.1		12.5	-8.5
	13.2	-9.2		12.9	-8.9
	12.9	-8.9		13.1	-9.1
13+00	13.0	-9.0	15+00	13.0	-9.0
	12.7	-8.7		13.0	-9.0
	12.7	-8.7		13.0	—
	12.2	-8.2		12.8	-8.8
	12.5	-8.5		12.7	-8.7
13+50	12.8	-8.8	15+50	12.0	-8.0

DIST	SOUND		DIST	SOUND
15+60	12.0	-8.0		
	12.4	-8.4		
	12.7	-8.7		
(4.0)	12.0	-8.0		
16+00	5.2	-1.2		
	4.3	-0.3		
	4.1	-0.1		
	4.0	0.0		
	3.9	+0.1		
50	3.9	—		
	3.8	+0.2		
	3.7	+0.3		
	4.0	0.0		
	3.8	+0.2		
17+00	4.3	-0.3		
17:10				

PX

5-7-98

PX

STA-W-75+00

0+00 = STA-W-75+00 DE-ANZA COVE B/L : SOUND DOE SOUTH

DIST	SOUND		DIST	SOUND	
0+00	+ ?		2+40	11.8	-8.5
0+75	0.0	+3.3	50	11.8	—
+80	1.5	+1.8		11.8	—
12:45	1.5	-1.2	(3.3)	11.7	-8.4
1+00	5.3	-2.0		11.8	-8.5
(3.3)	5.8	-2.5		11.5	-8.2
	5.8	—	3+00	11.8	-8.5
	7.0	-3.7		12.0	-8.7
	7.0	—		12.6	-9.3
50	7.6	-4.3		12.6	—
	8.4	-5.1	12:48	12.4	-9.1
	8.5	-5.2	50	12.3	-9.0
	10.6	-7.3		12.8	-9.5
	10.5	-7.2		12.7	-9.4
2+00	11.0	-7.7		12.5	-9.2
	11.8	-8.5		12.4	-9.1
	11.6	-8.3	4+00	11.8	-8.5
2+30	11.8	-8.5	4+10	10.7	-7.4

STA-75+00-W

5-7-98

PX

DIST	SOUND		DIST	SOUND	
4+20	10.5	-7.2	6+20	11.8	-8.5
	11.8	-8.5		11.7	-8.4
(3.3)	11.9	-8.6	(3.3)	11.7	—
50	11.8	-8.5	50	11.8	-8.5
	11.0	-7.7		12.0	-8.7
	11.0	-7.7		12.0	—
	11.0	—		11.8	-8.5
	11.1	-8.1		11.6	-8.3
5+00	11.2	-7.9	7+00	11.6	—
	11.0	-7.7		11.6	—
12:50	11.0	—		11.7	-8.4
	11.0	—		12.0	-8.7
	11.0	—		12.8	-9.5
50	11.0	—	50	13.0	-9.7
	11.0	—		13.0	—
	11.3	-8.0		13.2	-9.9
	11.3	—	12:53	13.2	—
	11.3	—		13.0	-9.7
6+00	11.5	-8.2	8+00	12.8	-9.5
6+10	11.7	-8.4	8+10	12.8	—

STA-W-75+00 5-7-18 PX

DIST	SOUND		DIST	SOUND	PX
8+20	12.7	-9.4	10+20	12.7	-9.4
	13.0	-9.7		12.8	-9.5
(3.3)	13.0	—	50	13.0	-9.7
50	12.8	-9.5	50	13.0	—
	12.6	-9.3	(3.3)	12.5	-9.2
	12.7	-9.4		12.5	—
	12.5	-9.2		12.5	—
	12.5	—		12.4	-9.1
9+00	12.4	-9.1	11+00	12.3	-9.0
	12.6	-9.3		12.3	—
	12.8	-9.5		12.5	-9.2
	13.1	-9.8		12.5	—
	13.0	-9.7		12.5	—
50	13.0	—	50	12.5	—
	13.0	—		12.0	-8.7
11:55	13.1	-9.8		12.0	—
	13.0	-9.7		12.1	-8.8
	12.8	-9.5		12.0	-8.7
10+00	12.5	-9.2	12+00	12.8	-9.5
10+10	12.7	-9.4	12+10	12.4	-9.1

STA-W-75+00 5-7-18 PX (16)

DIST	SOUND		DIST	SOUND	PX
12+20	12.4	-9.1	14+20	12.8	-9.6
12:58	12.5	-9.2	(3.2)	12.3	-9.1
	12.8	-9.5	13:00	12.1	-8.9
50	12.8	—	50	12.4	-9.2
	12.5	-9.2		12.0	-8.8
	12.2	-8.9		11.7	-8.5
	12.0	-8.7		12.0	-8.8
	12.0	—		11.2	-8.0
13+00	13.0	-9.7	15+00	12.4	-9.2
	13.1	-9.8		12.2	-9.0
	13.0	-9.7		12.5	-9.3
	12.8	-9.5		12.3	-9.1
	12.8	—		12.3	-9.1
50	12.8	—	50	12.4	-9.2
	12.8	—		12.5	-9.3
	12.7	-9.4		9.1	-5.9
(3.3)	12.7	—		3.7	-0.5
				3.1	+0.1
(3.2)	12.7	-9.5	16+00	2.6	+0.6
				2.5	+0.7
14+00	12.4	-9.2		2.6	+0.6
				2.1	+1.1
14+10	12.4	—	13:03	2.1	+1.1
			16+50	2.2	+1.0

BARRAGAN SHERRY STANLEY 5-7-18

PX

SOUNDINGS AFTER RE-SLOPEING

STA-86+00

0+00=STA-86+00-N- DE-ANZA COVE B/L: SOUND DUE SOUTH

DIST	SOUND		DIST	SOUND	
0+00	+?	+?	1+90	12.1	-9.1
0+33	0.0	+2.9	2+00	12.2	-9.3
+40	2.0	+0.9		12.8	-9.9
+50	5.5	-2.6	(2.9)	12.7	-9.8
13:23	5.7	-2.8		12.0	-9.1
(2.9)	7.5	-4.6		11.7	-8.8
	8.0	-5.1	50	11.9	-9.0
	11.5	-8.6		12.3	-9.4
1+00	11.5	—		12.8	-9.9
	11.5	—		13.0	-10.1
	11.6	-8.7		13.2	-10.3
	11.8	-8.9	3+00	13.2	—
	11.8	—		13.2	—
50	12.0	-9.1		13.2	—
	12.1	-9.2		12.8	-9.9
	12.0	-9.1		12.8	—
1+80	12.0	—	13:28 3+50	12.4	-9.5

5-7-18

(11)

PX

STA-87+00

0+00=STA-W-87+00 DE-ANZA COVE B/L: SOUND DUE SOUTH

DIST	SOUND		DIST	SOUND	
0+00	+?		2+00	11.9	-9.1
0+31	0.0	+2.9	2+00	11.9	—
+40	2.4	+0.5	(2.8)	12.8	-10.0
13:33 50	5.2	-2.3		12.1	-9.3
(2.9)	7.1	-4.2		11.7	-8.9
	8.2	-5.3	50	11.4	-8.6
	10.0	-7.1		11.4	—
	10.6	-7.7		11.3	-8.5
1+00	11.0	-8.1		11.3	—
	11.2	-8.3		11.2	-8.4
	11.3	-8.4	3+00	11.2	—
(2.9) 13:35	11.4	-8.5		11.1	-8.3
(2.8)	11.4	-8.6		11.1	—
50	11.8	-9.0		11.1	—
	11.8	—		11.2	-8.4
	11.7	-8.9	50	11.3	-8.5
	12.0	-9.2	13:38	11.5	-8.7
1+90	11.9	-9.1	3+70	11.5	—

5-7-18

PX

STA-88+00-W

0+00 = STA-88+00 W- DE-ANZA COVE B/L: SOUND DUE SOUTH

DIST	SOUND		DIST	SOUND	
0+00	+?		2+00	10.9	-8.2
0+34	0.0	+2.7		10.9	—
+40	1.7	+1.0		10.9	—
+50	5.0	-2.3	(2.7)	10.7	-8.0
13:45	5.5	-2.8		11.0	-8.3
(2.7)	6.8	-4.1	50	11.9	-9.2
	7.7	-5.0		12.2	-10.3
	11.0	-8.3		12.5	-9.8
1+00	11.0	—		12.5	—
	11.0	—		12.8	-10.1
	11.2	-8.5	3+00	11.7	-9.0
	11.5	-8.8		11.3	-8.6
	11.5	-8.8		11.0	-8.3
50	11.5	—		10.6	-7.9
	11.2	-8.5		10.8	-8.1
	11.0	-8.3	50	10.7	-8.0
	11.0	—		11.0	-8.3
				11.5	-8.8
				12.4	-9.7
1+90	10.9	-8.2		12.4	—
			4+00	11:5	-8.8

5-7-18

PX (48)

STA-W-89+00

0+00 = STA-W-89+00 DE-ANZA COVE B/L: SOUND DUE SOUTH.

DIST	SOUND		DIST	SOUND	
0+00	+?		2+10	11.1	-8.5
0+35	0.0	+2.6		11.2	-8.2
+40	2.3	+0.3	(2.6)	11.4	-8.8
+50	5.0	-2.4		11.4	—
13:58	7.1	-4.5	50	11.6	-9.0
(2.6)	8.0	-5.4		11.0	-8.1
	10.0	-7.4		11.2	-8.6
	11.9	-9.3		11.8	-9.2
1+00	12.1	-9.5		11.5	-8.9
	11.8	-9.2	3+00	11.0	-8.4
	12.2	-9.6		11.0	—
	12.2	—		11.0	—
	11.8	-9.2		11.5	-8.9
50	11.6	-9.0		11.0	-8.4
14:00	11.8	-9.2	50	11.0	—
				10.5	-7.9
	11.7	-9.1		10.5	-7.9
				10.5	-7.9
	11.5	-8.9	14:04	10.5	-7.9
	11.2	-8.6	4+00	10.6	-8.0
2+00	11.1	-8.5			

5-7-18

PX

STA - W - 90+00

0+00 = STA - W - 90+00 DE-ANZA COVE B/L; SOUND DUE SOUTH

DIST	SOUND		DIST	SOUND	
0+00	+?		2+10	11.0	-8.5
0+36	0.0	+2.5		10.7	-8.2
+40	3.0	-0.5	(2.5)	10.5	-8.0
+50	4.8	-2.3		10.3	-7.8
14:10	5.8	-3.3	50	10.2	-7.7
(2.5)	7.5	-5.0		10.9	-8.1
	9.0	-6.5		11.0	-8.5
	10.7	-8.2		10.8	-8.3
1+00	10.8	-8.3		11.0	-8.5
	11.0	-8.5	3+00	11.0	—
	11.0	—		11.0	—
	11.0	—		10.9	-8.4
	11.0	—		10.8	-8.3
50	11.1	-8.6		10.7	-8.2
	11.5	-9.0	50	10.7	—
				10.7	—
	11.5	—		10.8	8.3
				11.0	8.5
	11.5	—		11.0	—
	11.4	-8.9	4+00	11.2	-8.7
2+00	11.3	-8.8	14:15		

5-7-18

PX (79)

STA - 91+00W

0+00 = STA - 91+00W - DE-ANZA COVE B/L; SOUND DUE SOUTH.

DIST	SOUND		DIST	SOUND	
0+00	+?		2+10	10.9	8.5
0+35	0.0	+2.4		10.9	—
40	2.0	+0.4	(2.4)	10.9	—
50	4.1	-1.7		11.0	-8.6
14:25	5.7	-3.3	50	11.0	—
(2.4)	7.1	-4.7		10.9	-8.5
	9.0	-6.6		10.7	-8.3
	10.0	-7.6		10.5	-8.1
1+00	10.9	-8.5		10.0	-7.6
	11.3	-8.9	3+00	9.7	-7.3
	11.4	-9.0		10.3	-7.9
	11.4	—		10.5	-8.1
	11.4	—		10.5	—
50	11.5	-9.1		10.7	-8.3
	11.5	—	50	10.4	-8.0
	11.6	-9.2		10.5	-8.1
				10.6	-8.2
	11.0	-8.6		10.6	—
	10.9	-8.5	11:30	10.7	-8.3
2+00	10.8	-8.4	4+00	10.8	-8.4

5-7-48 PX

STA-92+00 W.

0+00 = STA-W-92+00 DE-ANZA COVE B/L; SOUND DUE SOUTH

DIST	SOUND		DIST	SOUND	
0+00	+?		2+20	9.5	-7.3
0+47	0.0	+2.2		9.4	-7.2
60	4.0	-1.8	(2.2)	9.8	-7.6
14:37	5.4	-3.2	50	10.0	-7.8
(2.2)	6.0	-3.8		10.0	—
	6.5	-4.3		10.0	—
1+00	7.5	-5.3		10.0	—
	7.8	-5.6		10.3	-8.1
	10.0	-7.8	3+00	10.3	—
	10.2	-8.0		10.4	-8.2
	10.3	-8.1		10.8	-8.6
50	10.3	—		10.7	-8.5
	10.3	—		10.9	-8.7
	10.3	—	50	10.9	—
	10.0	-7.8	14:41		
	10.0	—			
	10.0	—			
2+00	10.0	—			
2+10	10.0				

5-10-48 PX (50)

STA-W-93+00

0+00 = STA-W-93+00 DE-ANZA COVE B/L; SOUND DUE SOUTH

DIST	SOUND		DIST	SOUND
0+00	+?			
~~0+35~~ 1+35	0.0	+3.4		
~~0+50~~ 1+50	0.9	+2.5		
(3.4)	1.1	+2.3		
14:05	1.4	+2.0		
	2.0	+1.4		
	1.9	+1.5		
2+00	1.7	+1.7		
	2.0	+1.4		
	1.1	+2.3		
	0.5	+2.9		
	0.5	—		
2+50	0.4	+3.0		
2+60	+0.3	+3.7		

?

5-2-48 PX

STA-W-79+00

0+00 = PT. 1955' S/STA-W-79+00 DE-ANZA B/L.

DIST	SOUND		DIST	SOUND	SOUND SOUTH
0+00	+?		1+90	10.5	-8.5
0+23	0.0	+2.0	2+00	10.5	—
+30	0.3	+1.7		10.6	-8.6
40	1.4	+0.6	15:37	10.8	-8.8
50				10.6	-8.6
15:33	4.0	-2.0	(2.0)	10.5	-8.5
(2.0)	5.5	-3.5	50	10.0	-8.0
	6.0	-4.0		10.0	—
	7.4	-5.4		10.0	—
1+00	8.0	-6.0		10.1	-8.1
	8.4	-6.4		10.3	-8.3
	10.0	-8.0	3+00	10.3	—
	10.2	-8.2		10.3	—
	10.7	-8.7		10.3	—
50	11.0	-9.0		10.0	-8.0
	10.5	-8.5		8.4	-6.2
	10.8	-8.8	50	3.5	-1.5
1+80	10.5	-8.5	3+60	1.8	+0.2

STA-W-79+00

5-7-48 PX (5)

DIST	SOUND		DIST	SOUND
3+70	1.7	+0.3		
	1.8	+0.2		
(2.0)	1.8	—		
4+00	1.8	—		
15:40				

5-10-78

STA-W=78+00

0+00 = PT. (P)' SOUTH STA-W=78+00 DE-ANZA B/L: SOUND SOUTH

DIST	SOUND		DIST	SOUND	
14:20					
0+00 (3.3)	5.3	-20	0+70	12.0	-8.7
N-0+10	4.9	-1.6	(3.3)	12.0	—
N-0+20	4.0	-0.7		11.3	-8.0
N-0+30	3.5	-0.2	1+00	11.3	—
N-0+40	2.0	+1.3		11.2	-7.9
N-0+50	1.4	+1.9		11.2	—
N-0+60	1.0	+2.3		11.2	—
N-0+70	0.4	+2.9		11.3	-8.0
N 0+80	0.2	+3.1	50	11.2	-7.9
N 0+90	0.2	+3.1		11.4	-8.1
N 1+00	0.0	+3.3		11.5	-8.2
14:25				11.4	-8.1
S-0+10	5.4	-2.1	14:28	11.4	—
↓ 20	6.3	-3.0	2+00	11.5	-8.2
(3.3) 30	7.0	-3.7		11.5	—
40	8.8	-5.5		11.5	—
50	10.1	-6.8		11.5	—
0+60	12.1	-8.8	2+40	11.5	—

5-10-78

(32)

179 60
74 40
105 20'

DIST	SOUND		DIST	SOUND
2+50	11.5	-8.2		
	11.4	-8.1		
(3.3)	11.4	—		
	11.3	-8.0		
	11.0	-7.7		
3+00	11.3	-8.0		
	11.3	—		
	11.3	—		
	10.8	-7.5		
	9.0	-5.7		
50	5.2	-1.9		
	3.5	-0.2		
	3.1 ~~4.1~~	+0.2		
	3.1	+0.2		
	3.0	+0.3		
4+00	3.3	0.0		
14:32				

5-12-48

Levels For Mean High Tide Survey Of East Half Tierra Del Fuego

Station	+	H.I.	−	Elev
B.M.	5.21	16.26		11.05
T.P.	5.69	16.04	5.91	10.35
T.P.	3.70	14.64	5.10	10.94
T.P.	5.22	14.88	4.98	9.66
T.P.	6.32	16.08	5.12	9.76
T.B.M. (#1)			5.50	10.58
B.M.	0.17	12.40		12.23
T.P.	3.66	14.35	1.71	10.69
T.P	6.15	17.71	2.79	11.56
T.B.M (#1)			7.15	10.56
T.B.M (#3)	1.99	12.57		10.58
T.P.	4.65	13.03	4.19	8.38
T.P.	4.97	13.50	4.50	8.53
T.P.	5.82	14.57	4.75	8.75
T.P.	6.32	16.30	4.59	9.98
T.B.M. (#2)	9.51	19.14	6.67	9.63
T.P.	2.05	18.11	3.08	16.06

Barragan
Sherry
Stanley

(33)

Causeway - El - 10.83

16.26
4.8
11.46

Station 83+00 Causeway B/L. (2"x2" Hub)

16.26 − 5.91 = 10.35
16.04 − 5.10 = 10.94
14.64 − 4.98 = 9.66
14.88 − 5.12 = 9.76

10.35 − 5.69 = 16.04
10.94 − 3.70 = 14.64
9.66 − 5.22 = 14.88
9.76 − 6.32 = 16.08

16.04 − 4.8 = 11.24
14.64 − 4.8 = 9.84
14.88 − 4.80 = 10.08
16.08 − 4.8 = 11.28

12.23
.17
12.40

Base of Mast At East End of Yacht Pool

12.40 − 1.71 = 10.69
14.35 − 2.79 = 11.56

10.69 − 3.66 = 14.35
11.56 − 6.15 = 17.71

17.71 − 10.58 = 7.13
17.71 − 7.15 = 10.56

10.58 − 1.99 = 12.57
12.57 − 4.19 = 8.38
13.07 − 4.50 = 8.53
13.50 − 4.75 = 8.75
14.57 − 4.59 = 9.98
16.30 − 6.67 = 9.63
19.14 − 3.08 = 16.06

12.57 − 4.8 = 7.77

8.38 − 4.65 = 13.07
8.53 − 4.97 = 13.50
8.75 − 5.82 = 14.57
9.98 − 6.32 = 16.30
9.63 − 9.51 = 19.14
16.06 − 2.05 = 18.11

13.03 − 4.80 = 8.23
13.50 − 4.80 = 8.70
14.57 − 4.80 = 9.77
16.30 − 4.80 = 11.50

5-13-48

LEVELS FOR MEAN HIGH SURVEY

STATION	+	H.I.	−	ELEV
		18.11		
T.P.	3.08	17.27	3.92	14.19
T.P	4.21	16.26	5.22	12.05
T.P.			5.73	10.53
(#2) T.B.M	6.60	16.23		9.63
T.P.	4.10	16.86	3.47	12.76
(#3) T.B.M	5.34	15.40	6.80	10.06
(#1) T.B.M	5.57	16.92	4.05	11.35
				12.19 ≠
			4.73	12.25

BARRAGAN
SHERRY
STANLEY

5-13-48

(31)

6.26		
10.58		
5.68		
18.11	14.19	17.27
3.92	3.08	14.90
14.19	17.27	2.37
17.27	12.05	16.26
5.22	4.21	5.73
12.05	16.26	10.53
9.63	16.23	
6.60	4.80	
16.23	11.43	
3.47	12.76	16.86
12.76	4.10	4.80
	16.86	12.06
16.86	10.06	15.40
6.80	5.34	4.80
10.06	15.40	10.60
15.40	11.35	16.92
4.05	5.57	12.25
11.35	16.92	4.67

STA-102+00 CAUSEWAY B/L

BARRAGAN
SHERRY
STANLEY
5-14-48

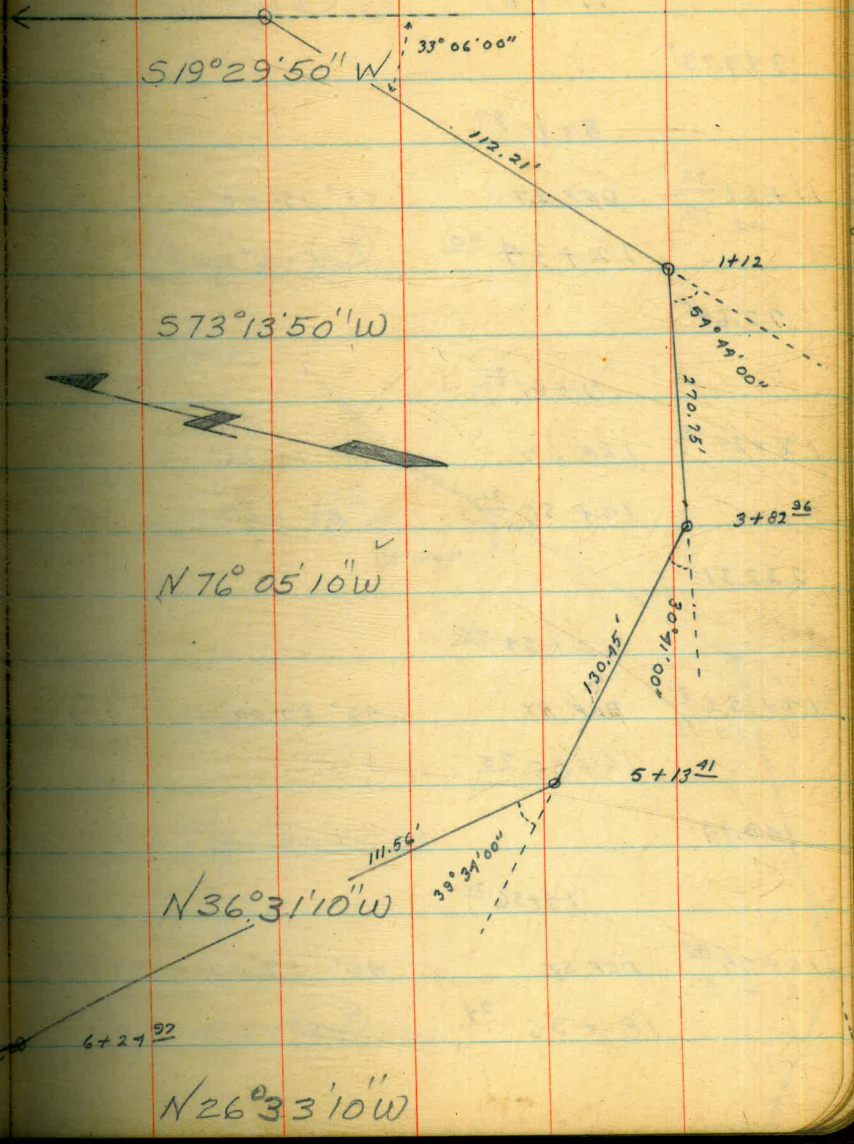
55

MEAN HIGH TIDE SURVEY OF SHORE LINE ALONG WEST HALF TIERRA DEL FUEGO ISLAND

STATION	OBJECT	ANGLE	DIST
U.S.E.D. "CAUSEWAY"	U.S.E.D. "BAY POINT."		
	DEF. RT.	33° 06' 00"	
	STA 1+12 21	#1 (FIRST PT. T.S. EL.)	
112.21'			
U.S.E.D. "CAUSEWAY"			
1+12 21	DEF. RT.	53° 44' 00"	
270 75'	STA 3+82 96	#2	
270.75'			
	1+12 21		
3+82 96	DEF. RT.	30° 41' 00"	
130 45	5+13 41	#3	
130.45'			
	3+82 96		
5+13 41	DEF. RT.	39° 34' 00"	
1 11 56	6+24 32	#4	
111.56			
	5+13 41		
6+24 32	DEF RT.	9° 58' 00"	
1 86 62	8+11 59	#5	

N13° 36' 10" W BAY. PT.

BEARING

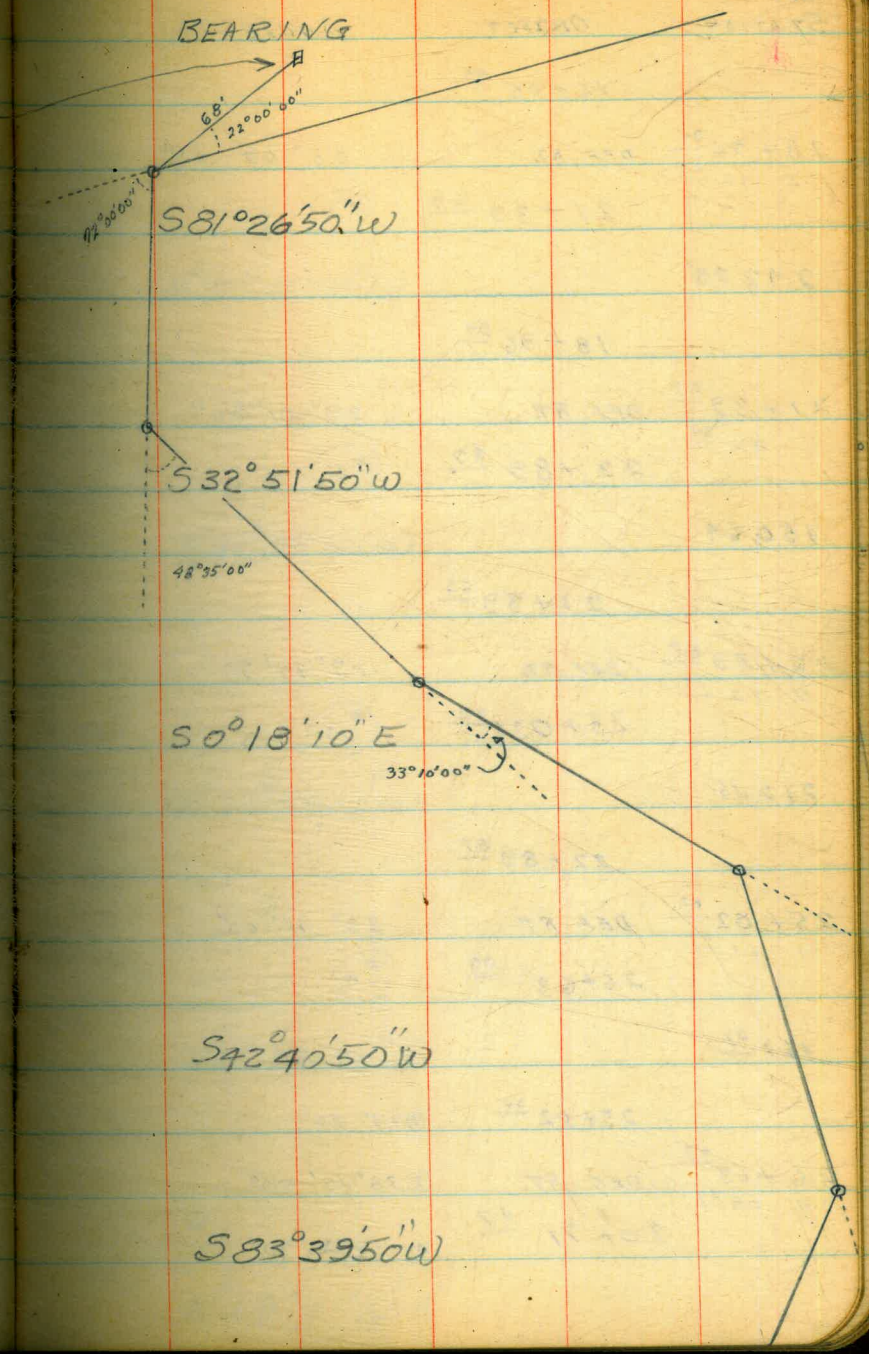


5-14-48

(56)

STATION	OBJECT	ANGLE
	6+24 97	
		22° 00' 00" INT. RT. 68' (2.8)
8+11 59	DEF. LT.	72° 00' 00"
3 49 73		
	11+61 32	(#6)
349.73'		
	8+11 59	
11+61 32	DEF. LT	98° 35' 00"
72 68		
	12+34 00	(#7)
72.68'		
	11+61 32	
12+34 00	DEF. LT.	33° 10' 00"
2 22 31		
	14+56 31	(#8)
222.31		
	12+34 00	
14+56 31	DEF RT.	42° 59' 00"
1 49 17		
	16+05 15	(#9)
149.14		
	14+56 31	
16+05 15	DEF. RT.	40° 59' 00"
2 91 49		
	18+96 94	(#10)

BEARING



STATION	OBJECT	ANGLE	BEARING
	16+05 45		
18+96 99	DEF RT.	25° 09' 00"	
2 42 29	21+39 23	(#11)	
242.29'			N 71° 11' 10" W
	18+96 99		
21+39 23	DEF. RT.	29° 01' 30"	
1 50 64	22+89 87	(#12)	
150.64			N 42° 09' 40" W
	21+39 23		
22+89 87	DEF. RT.	19° 13' 30"	
2 12 15	25+02 02	(#13)	
212.15			N 22° 56' 10" W
	22+89 87		
25+02 02	DEF RT	23° 11' 00"	
1 61 01	26+63 03	(#14)	
161 01			N 0° 14' 50" E
	25+02 02	① 19° 06'	
26+63 03	DEF. RT.	② 38° 13' 00"	
1 08 11	30+71 47	AV- 19° 06' 30"	(#15)
			N 19° 21' 20" E

STATION	OBJECT	ANGLE		BEARING
	26+63 03	② 41° 12'		
36+71 17 / 1 67 22	DEF. LT.	AV. 41° 12' 00"		
	32+38 60	③ 82° 24' 00"	#16	
167.22'				N21°50'40"W
	30+71 17	① 41° 41'		
32+38 69 / 1 57 06	DEF. LT.	AV. 41° 41' 00"		
	33+95 75	② 83° 22' 00"	#17	
157.06'				N63°31'40"W
	32+38 69	① 10° 43'		
33+95 75 / 2 72 00	DEF. LT.	AV. 10° 43' 00"		
	36+67 75	② 21° 26' 00"	#18	
272.00'				N74°14'40W
	33+95 75	① 20° 51'		
36+67 75 / 2 05 48	DEF. RT.	AV. 20° 50' 30"		
	38+73 23	② 41° 41' 00"	#19	
205.48'				N53°24'10"W
	36+67 75	① 19° 08'		
38+73 23 / 2 17 52	DEF. RT.	AV. 19° 08' 30"		
	40+90 75	② 38° 12' 00	#20	
				N34°15'40"W

STATION	OBJECT	ANGLE		BEARING
	38+73 23	① 21° 27'		
40+90 75	DEF. RT.	AV. 21° 26' 30"		
2 88 03	43+78 78	② 42° 53' 00"	#21	
288.03'				N12°49'10"W
	40+90 75	① 26° 55'		
43+78 28	DEF. RT.	AV. 26 55' 00"	110	
2 42 92	46+21 70	② 53° 50' 00"	#22	
242.92'				N14°05'50"E
	43+78 78	① 17° 12'		
46+21 70	DEF. RT.	AV. 17° 12' 00"		
2 40 99	48+62 69	② 34° 24' 00"	#23	
240.99'				N31°17'50"E
	46+21 70	① 26° 11'		
48+62 69	DEF. RT.	AV. 26° 11' 30"		
1 80 39	51+43 08	② 52° 23' 00	#24	
280.39				N57°29'20"E
	48+62 69	① 21° 30'		
51+43 08	DEF RT.	AV. 21 30' 30"		
2 65 50	54+08 58	② 43° 01' 00"	#25	
				N78°59'50"E

STATION	OBJECT	ANGLE		BEARING
	51+43 08	① 12° 25'		
54+08 58	DEF. RT.	AV. 12° 25' 00".		
1.03 84	58+12 42	② 24° 50' 00"	#26	
403.84'				S88°35'10"E
	54+08 58	① 32° 02		
58+12 42	DEF. RT.	AV. 32° 02' 00"		
1 08 27	59+20 69	② 64° 04' 00"	27	
108.27'				S56°33'10"E
	58+12 42	① 51° 13'		
59+20 69	DEF RT.	AV. 51° 13' 00"		
3 19 77	62+40 46	② 108° 26' 00"	28	
319.77'				S2°20'10"E
	59+20 69	① 18° 16'		
62+40 46	DEF LT.	AV 18° 16' 30"		
1 19 33	63+59 79	② 36° 33' 00"	29	
119.33				S20°36'40"E
	62+40 46	① 36° 45'		
63+59 79	DEF. LT.	AV. 36° 45' 30"		
1 75 18	65+34 97	② 73° 31' 00"	30	
175.18'				S57°22'10"E

STATION	OBJECT	ANGLE		BEARING
	63+59 79	① 40° 25'		
65+39 97	DEF. LT.	AV. 40° 25' 00"		
1 71 19	67+06 16	② 80° 50' 00"	(31)	
171.19				N 82° 12' 50" E
	65+31 97	① 36° 45'		
67+06 16	DEF. LT.	AV. 36° 45' 00"		
1 55 00	68+61 16	② 73° 30' 00	(32)	
155.00				N 45° 27' 50" E
	67+06 16	① 31° 37'		
68+61 16	DEF. LT.	AV. 31° 37' 30"		
1 39 71	70+00 87	② 63° 15' 00"	(33)	
139.71				N 13° 50' 20" E
	68+61 16	① 24° 34'		
70+00 87	DEF. LT.	AV. 24° 34' 30"		
2 16 23	72+17 10	② 49° 09' 00"	(34)	
216.23				N 10° 44' 10" W
	70+00 87	① 26° 43'		
72+17 10	DEF. RT.	AV. 26° 42' 30"		
87 86	73+04 96	② 53° 25' 00"	(35)	
				N 15° 58' 20" E

5-17-98

STATION.	OBJECT	ANGLE		BEARING
	72+17 10	① 33° 15'		
73+04 96 / 108 74	DEF. RT.	AV. 33 14' 30"		
	74+13 70	② 66° 29' 00"	(36)	
108.74'				N49°12'50"E
	73+04 96	① 23° 42'		
74+13 70 / 245 28	DEF. RT	AV. 23° 42' 00"	89	
	76+58 98	② 47° 24' 00"	(37)	
245.28'				N72°54'50"E
	74+13 70	① 81° 53'		
76+58 98 / 110 04	DEF. RT.	AV. 81° 53' 00"		
	~~77+69 02~~ 102+00 CAUSEWAY B/L W.	② 163° 46' 00"	(38)	
110.04'				S25°12'10"E
	76+58 98	① 15° 01'		
102+00 CAUSEWAY B/L	DEF. RT.	AV. 15° 01 15"		
	STA-90+00 CAUSEWAY B/L	② 30° 02' 30"	(39)	S10°10'55"E
	CAUSEWAY B/L 90+00	① 8° 53'		
102+00 CAUSEWAY B/L	DEF. LT. U.S.E.D. "BAY POINT."	AV. 8° 53' 30"		
		② 17° 47' 00	(40)	

5-17-98

(61)

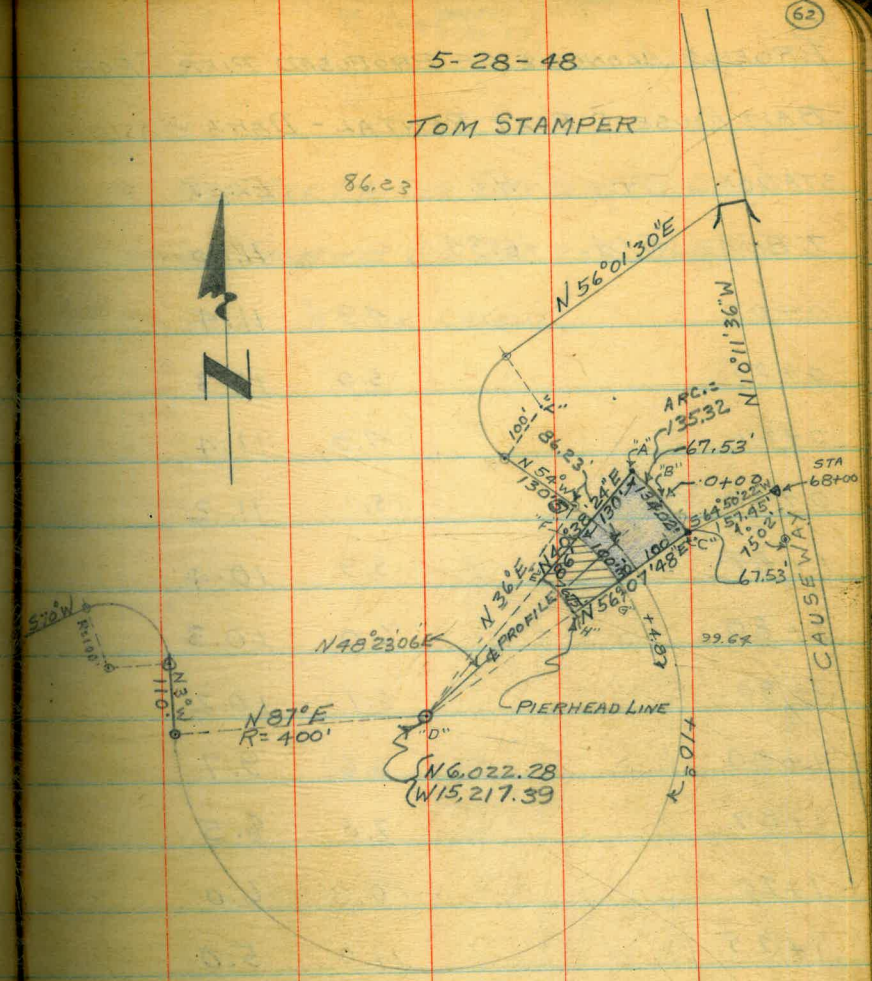
LAYOUT OF PROPOSED LEASE AREA FOR BAIT HOUSE & BOAT RENTAL AT DANA BASIN Proj. #7.

STA	OBJ.	AZIM.	DIST	BEARING
	68+00	64°50'22"	157.45'	N64°50'22"E
"C"	"B"	322°15'16"	67.53'	N37°44'44"W
	A	318°06'00"	67.53'	N41°54'00"W
"B"	"C"	142°15'16"		S37°44'44"E
	"D" PROFILE ℄	228°23'06		S 48°23'06"W
"A"	"C"	138°06'		S41°54'00"E
	"F"	220°38'24"	130.00	S 40°38'24"W
C	68+00	64°50'22"		N64°50'22"E
	"G"	236°07'48"		S56°07'48"W

5-28-48

TOM STAMPER

86.e3



10 11 36
69 50 22
79 01 58

Proj 7

PROFILE ALONG ℄ OF PROPOSED PIER FOR BAIT HOUSE & BOAT RENTAL - DANA BASIN

STATION	+	H.I.	−	ELEV.
T.B.M	5.04	16.34		11.30
0+00			4.9	11.4
0+25			5.0	11.3
0+50			4.9	11.4
0+60			5.1	11.2
1+~~67~~ 70			5.9	10.4
1+80			6.0	10.3
1+90			6.1	10.2
1+00			6.6	9.7
1+07.			7.8	8.5
1+20			10.3	6.0
1+25			11.3	5.0
1+30			12.3	1.0
1+31			12.6	3.7
"G"			12.49	3.85
"F"			10.99	5.35
T.B.M.			5.04	11.30

BARRAGAN
SHERRY
STANLEY

5-28-48

(63)

NOTE: SEE LAYOUT SKETCH (PG. 62.)

STA - 68+00 CAUSEWAY B/L. TOP 2"x2" HUB

0+00 = POINT "B" IN LAYOUT

EDGE OF WATER

TOP OF HUB (FLUSH)

TOP OF HUB (FLUSH)

STA - 68+00 CAUSEWAY B/L. TOP 2"x2" HUB

6-2-48

SOUNDING OF PROPOSED PIER AT DANA BASIN

STAMPER
SHERRY
STANLEY

0+00 = 1+30

DIST	SOUND		DIST	SOUND	
0+03	0.0	+3.4	70	11.7	-8.3
10	1.1	+2.3	80	11.7	-8.3
8:50 20	2.2	+1.2	(3.4) 90	11.2	-7.8
30	3.2	+0.2	2+00	11.0	-7.6
40	4.8	-1.4			
50	7.4	-4.0			
60	9.5	-6.1			
(3.4) 70	10.8	-7.4			
80	11.0	-7.6			
90	11.1	-7.7			
1+00	11.0	-7.6			
10	10.8	-7.4			
20	10.8	-7.4			
30	11.1	-7.7			
40	11.2	-7.8			
50	11.4	-8.0			
60	11.4	-8.0			

LOCATION OF SEXTANT POINT LIGHT POLE FOR ARC. SHEET PROJ NO. 9 — 5-4-48

STA	OBJ.	ANGLE	DIST
	CAUSEWAY 81+00		
CAUSEWAY 103+00	RT	① 7°39'00"	35.68
	"LIGHT POLE #4642 S.W. COR. N. BRIDGE	② 15°18'00"	
	(CHIMNEY)	① 62°07'30"	
—	"MOORING"	② 124°16'00"	
TOULON	RT	⑥ 372°48'30"	
	RADIO POLE	AV. 62°08'05"	
	DIEGO	① 116°10'30"	
		② 232°20'30"	
WATSON	RT	⑥ 697°02'00"	
	(CHIMNEY) "MOORING"	AV. 116°10'20"	

SEXTANT POINT "LIGHT"

IS THE FIRST LIGHT POLE ON W. SIDE OF CAUSEWAY & AT THE SOUTH END OF N. BRIDGE

SEXTANT POINT "MOORING"

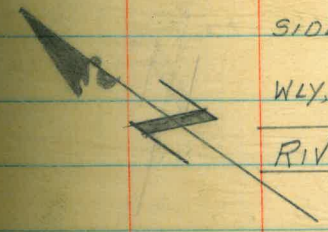
IS CHIMNEY ON GRAY HOUSE NO. 1025 PACIFIC BEACH DR. LOCATED AT BRIARFIELD CIRCULAR DRIVE AT N.W. CENTER ON N. SHORE OF MISSION BAY

TRIANGLATION OF PT. "RIVIERA" 6-8-48 (65)

T. STAMPER
G. WATSON
N. STANLEY

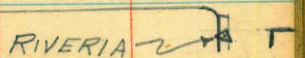
"VISIBILITY" GOOD

STA.	OBJ.	ANGLE
	RADIO POLE	① 7°04'00"
CIRCLE	RT	② 14°09'00"
		⑥ 42°28'30"
	RIVIERA	AV. 7°04'45"
	LINDA TANK	① 30°53'00"
		② 61°46'30"
CIRCLE	RT	⑥ 185°20'30"
	RIVIERA	AV. 30°53'25"
	RIVIERA	① 57°15'00"
		② 114°30'00"
MONTERY	RT	⑥ 343°31'30"
	MARSTONS TOWER	AV. 57°15'15"
	MONTERY	① 71°27'00"
		② 142°54'00"
RIVIERA	RT	⑥ 428°42'00"
	CIRCLE	AV. 71°27'00"



STATION "RIVERIA"

IS A L.&T. IN SIDEWALK ON N'LY. SIDE OF MOORLAND ST. PRODUCED W'LY. & ON THE WEST SIDE OF RIVERIA DRIVE



6-9-48

T.A. STAMPER
E.F. WATSON
N. STANLEY

BENCH LEVELS ALONG VENTURA BLVD FOR NEW BRIDGE CONTROL

STA	+	H.I	−	ELEV.	
B.M.				11.39	U.S.C.&G.S. COASTER
	5.02	16.41			
T.P.			5.96	10.45	
	5.60	16.05			
B.M.			4.75	(11.30) ?	CONC. MON. ON N. TEMP. BRIDGE APPROACH
T.B.M.			2.78	(13.27) ? MOVED	2x2 HUB, 129.55' N. OF CONC. MON
T.P.			5.76	10.29	
	6.11	16.40			
B.M.			5.04	11.36	U.S.C.&G.S. COASTER
				11.84	
	1.04	12.~~34~~ 88			
			10.38	2.~~88~~ 50	

6-10-48

BENCH LEVELS

FOR CONTROL ELEVATIONS

SOUTH END OF TEMP BRIDGE

STA.	+	H.I.	−	ELEV.
BM				10.79
	6.07	16.86		
T.P.			5.84	11.02
	5.13	16.15		
T.P.			4.07	12.08
	4.87	16.95		
B.M.			5.11	11.84
T.B.M.			4.49	12.46
T.P.			4.26	11.69
	4.59	16.28		
T.P.			5.06	11.22
	5.76	16.98		
B.M.			6.16	10.82
	5.02	17.24		
T.P.			4.56	12.68
			4.15	13.09

STA. 64+00 W. CAUSEWAY B/L.

CONC. MON. ON C/L S. END TEMP BRIDGE

2X2 HUB 155' S OF CONC MON. ON C/L.

NOTE: CHECK FOR 1' BUST.

STA. 64+00 W. CAUSEWAY B/L

CHECK LEVELS

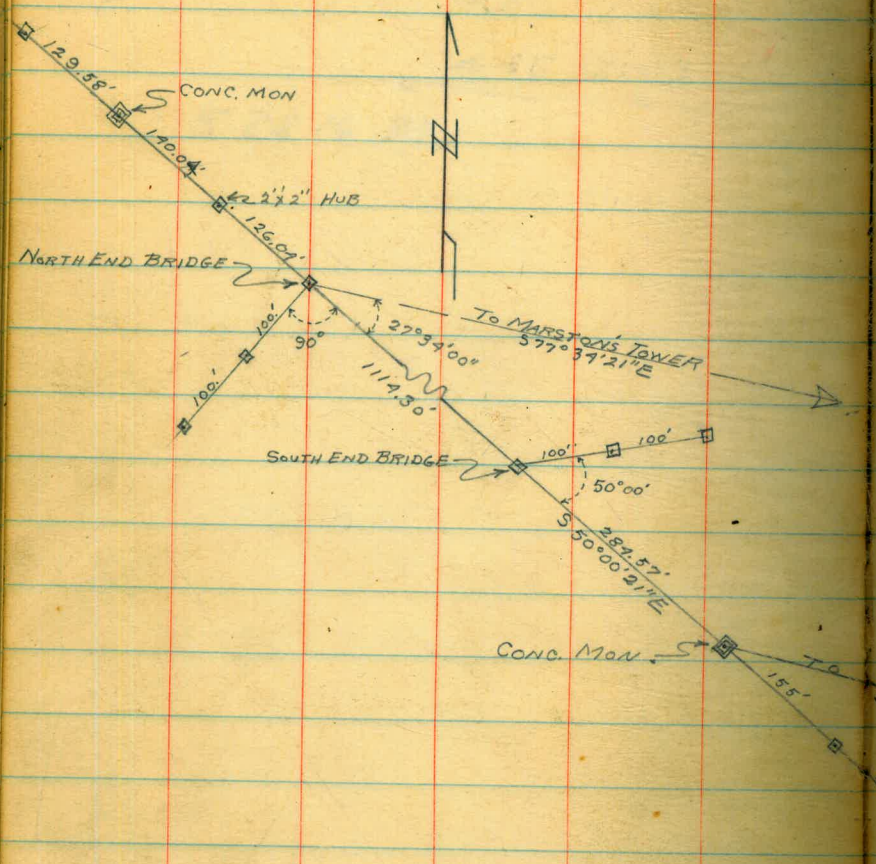
STA	+	H.I	−	ELEV
BM				10.79
	6.16	16.95		
T.P.			5.76	11.19
	5.02	16.21		
T.P.			4.56	11.65
			4.15	12.06
	5.26	16.91		

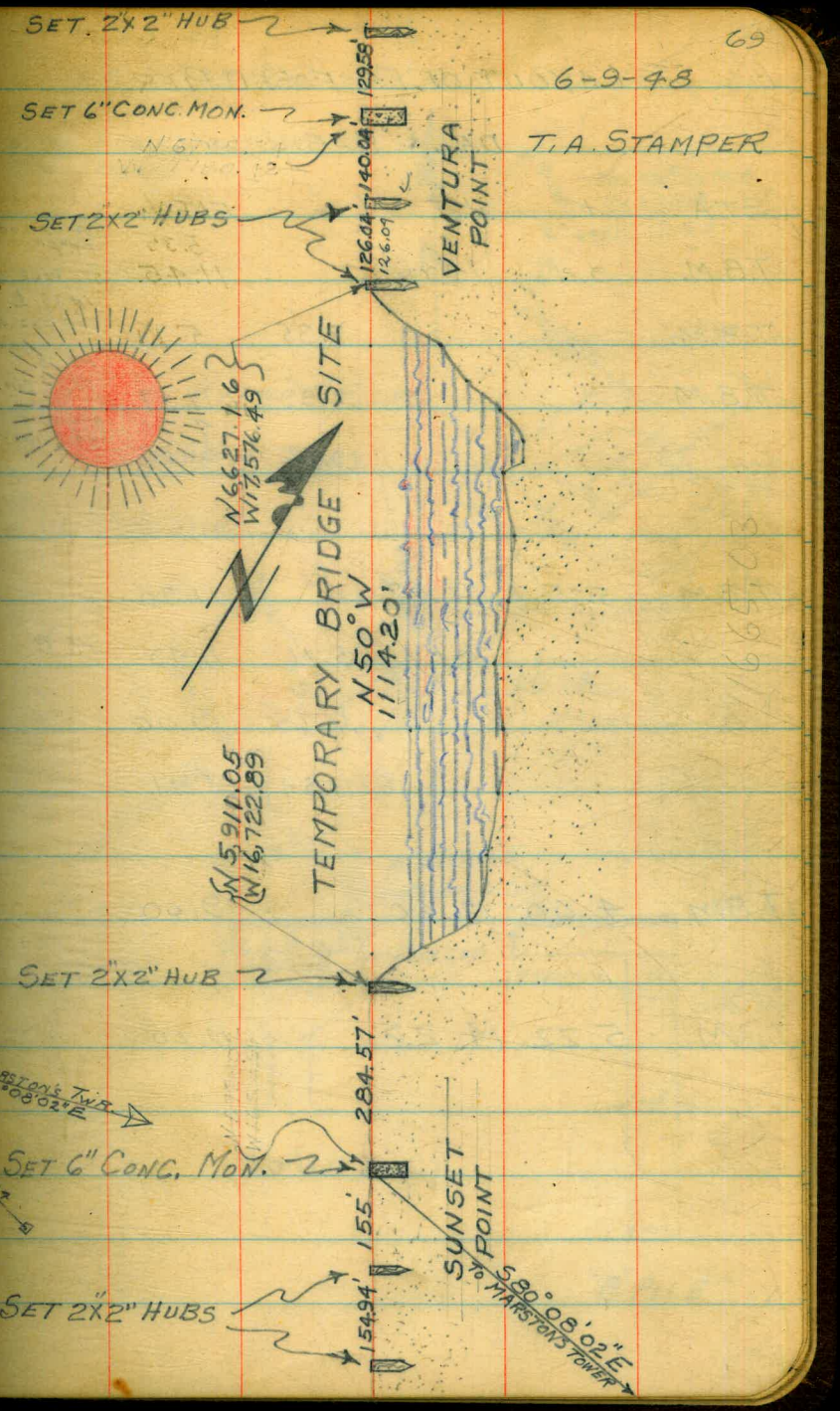
STA 64+00

REFERENCE POINTS SET FOR TEMPORARY BRIDGE LOCATION ON VENTURA & SUNSET PTS.

6-9-48

T. A. STAMPER





LAYOUT OF PROPOSED PIER

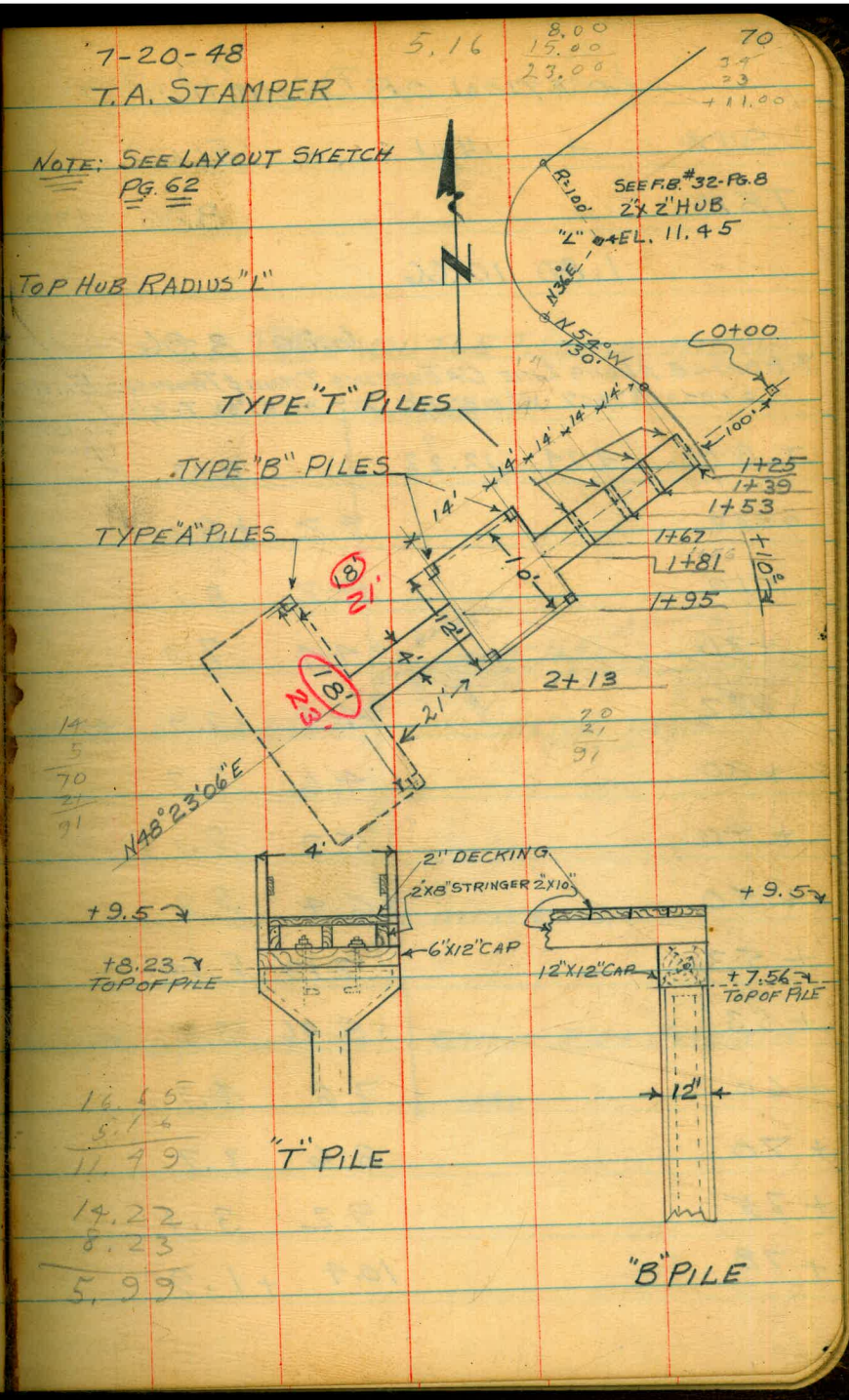
DANA BASIN

STA	+	H.I.	-	ELEV.	
				5.35	TOP OF HUB PT. "F"
T.B.M.	9.11	14.96		~~11.45~~	(SEE PAGE 63) 1+25 ℄ TOP 2X2 HUB
T.B.M.			9.35	5.11	PT. "B" 0+00 TOP HUB
T.B.M			2.99	11.97	
				4.95	GROUND ELEV AT ℄ 1+25
			9.51	~~5.95~~	
T.B.M	5.35	16.65		11.30	
			5.16	11.49	PT. "B"
			7.65	9.00	
			11.54	5.11	
TBM	4.60	13.60		9.00	
TBM	5.22	14.22		9.00	

7-20-48

T.A. STAMPER

NOTE: SEE LAYOUT SKETCH PG. 62



7-29-48

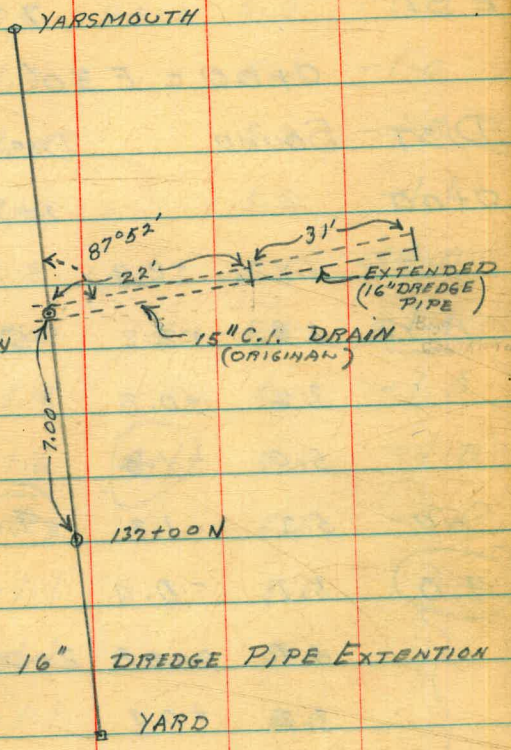
LOCATION OF DRAIN PROJ # 9

STA	+	H.I	-	ELEV.	
TBM				8.86	138+00
		1.80	10.66		
				6.80	3.86 ← F.L. 15" C.I. PIPE OUTLET. (BEFORE EXTENTION)

PROFILE ALONG LINE OF EXISTING DRAIN & PROPOSED EXTENTION.
0+00 = 137+07 W/SHORE B/L: SECT. AT 87°52' TO B/L

STA-137+00 W/SHORE B/L ⊗ WOODEN BULKHEAD

T.B.M.	4.24	12.27	8.03	
0+00		4.2	+8.1	
+10		4.2	8.1	
+20		4.4	7.9	
+22		4.4	7.9	← PREVIOUS END OF DRAIN
+30		4.6	7.7	
+40		5.2	7.1	
+50		6.4	5.9	
+53		7.13	5.14	
+53		8.46	3.81	← FLOWLINE; OUTLET 16" DREDGE PIPE EXTENTION
+60		7.6	4.7	
+70		8.6	3.7	
+75		9.2	3.1	
+78		10.4	+1.9	



W. SHORE B/L PROJ. NO. 9
N STA. 137+00 PX

STA	+	H.I	-	ELEV.	
T.B.M.	1.80	10.66		8.86	138+00
0+00			5.2	5.5	
E 17			6.9	3.8	
E 37			7.7	3.0	

0+00 = E 30'

DIST	SOUND		DIST	SOUND	
0+00			1+30	2.8	+1.2
+10	1.1	+2.9		2.8	+1.2
13:16	1.8	+2.2	50	3.1	+0.9
	3.2	+0.8		3.2	+0.8
	5.0	-1.0		3.4	+0.6
50	5.3	-1.3	(4.0)	3.7	+0.3
(4.0)	5.1	-0.4		3.6	+0.4
	4.4	+0.8	2+00	3.7	+0.3
	3.2	+0.8		3.7	+0.3
	2.9	+1.1		3.6	+0.4
1+00	2.7	+1.3		3.7	+0.3
	2.7	+1.3		3.8	+0.2
1+20	2.8	+1.2	2+50	4.0	0.0

N 137+00 7-29-48 72 PX

DIST	SOUND		DIST	SOUND	
2+60	4.1	0.0	4+60	5.1	-1.0
	4.5	-0.4		5.1	-1.0
	4.7	-0.6		5.1	-1.0
	4.8	-0.7		5.1	-1.0
3+00	4.9	-0.8	5+00	5.0	-0.9
	5.4	-1.3		5.1	-1.0
(4.1)	6.1	-2.0		5.3	-1.2
	6.1	-2.0		5.2	-1.1
	6.3	-2.2		5.1	-1.0
50	6.1	-2.0	50	5.2	-1.1
13:20	5.9	-1.8		5.1	-1.0
	5.7	-1.6	(4.1)	5.1	-1.0
	5.4	-1.3		5.1	-1.0
(4.1)	5.2	-1.1		5.1	
4+00	5.2	-1.1	6+00	5.1	
	5.2	-1.1		5.1	
	5.5	-1.4		5.1	-1.0
	5.3	-1.2		5.2	-1.1
	5.2	-1.1		5.3	-1.2
4+50	5.2	-1.1	6+30	5.4	-1.3

W. SHORE B/L Proj. #9

N STA 138+00

PX

STA	+	H.I	-	ELEV.
	5.65	13.68		8.03
0+00			4.9	8.8
E 5			4.9	8.8
E 5			8.2	5.5
E 28			10.7	3.0

0+00 = E-30'

DIST	SOUND		DIST	SOUND	
0+00			1+10	3.2	+0.8
+10	1.8	+2.2		3.1	+0.9
13:02	2.5	+1.5		3.0	+1.0
	4.4	-0.4		2.9	+1.1
	5.1	-1.1	50	2.8	+1.2
50	5.8	-1.8		2.8	
	5.5	-1.5	(4.0)	2.8	
(4.0)	5.0	-1.0		2.8	+1.2
	4.2	-0.2		2.9	+1.1
	3.7	+0.3	2+00	3.0	+1.0
1+00	3.5	+0.5	2+10	3.0	+1.0

7-29-48

PX

DIST	SOUND		DIST	SOUND	
2+20	3.0	+1.0	4+20	4.7	-0.7
	3.1	+0.9		4.7	-0.7
137+00	3.2	+0.8		4.7	-0.7
50	3.4	+0.6	50	4.7	-0.7
	3.4			4.8	-0.8
	3.4			5.0	-1.0
(4.0)	3.4	+0.6		5.0	-1.0
	3.5	+0.5		4.9	-0.9
3+00	3.4	+0.6	5+00	4.9	-0.9
	3.5	+0.5		5.1	-1.1
13:05	3.5	+0.5	(4.0)	5.1	-1.1
	3.8	+0.2		5.0	-1.0
	3.8	+0.2		5.0	
50	3.8	+0.2	50	5.0	
	4.0	0.0		5.0	
	4.2	-0.2		5.0	-1.0
	4.4	-0.4		5.1	-1.1
	4.5	-0.5		5.3	-1.3
4+00	4.8	-0.8	6+00	5.1	-1.1
4+10	4.8	-0.8	13:08		

W. SHORE B/L PROJ. #9

STA 138+50

STA	+	H.I.	−	ELEV.
TBM	3.76	11.79		8.03
0+00			4.8	7.0
E 21			7.5	4.3
E 45			9.5	2.3

0+00 = 40' EAST

DIST	SOUND		DIST	SOUND	PX
0+00			1+30	3.2	+0.6
+10	1.0	+2.8		3.2	+0.6
12:50	1.5	+2.3	50	3.2	+0.6
	2.0	+1.8		3.1	+0.7
	2.4	+1.4	(3.8)	3.1	
50	3.0	+0.8		3.1	
	4.1	-0.3		3.1	
(3.8)	4.5	-0.7	2+00	3.1	
	5.6	-1.8		3.1	+0.7
	5.6	-1.8		3.0	+0.8
1+00	4.7	-0.9		3.0	+0.8
	3.5	+0.3		3.0	+0.8
1+20	3.2	+0.6	2+50	3.1	+0.7

PX

2XZ HUB 138+00

STA 138+50 7-29-48

DIST	SOUND		DIST	SOUND	PX
2+60	3.1	+0.7	4+60	4.8	-0.9
	3.1			4.7	-0.8
(3.8)	3.1			4.6	-0.7
	3.1			4.6	-0.7
3+00	3.1		5+00	4.8	-0.9
12:53	3.1	+0.7	12:55	4.8	-0.9
	3.3	+0.6		4.9	-1.0
	3.5	+0.4		4.9	-1.0
	3.7	+0.2		5.0	-1.1
50	3.9	0.0	50	5.0	
	4.0	-0.1		5.0	
	3.9	0.0		5.0	
(3.9)	3.9	0.0	(3.9)	5.0	
	4.0	-0.1		5.0	
4+00	4.3	0.4	6+00	5.0	
	4.5	-0.6		5.0	
	4.5	-0.6		5.0	
	4.5	-0.6		5.0	
	4.6	-0.7	12:56	5.0	
4+50	4.7	-0.8	6+50	5.0	-1.1

W. SHORE B/L Proj #9

STA 139+00

STA	+	H.I.	−	ELEV	PX
T.B.M.	4.68	12.71		8.03	2X2 HUB 138+00
0+00			5.1	7.6	
E 13			4.3	8.4	
E 36			8.3	4.4	
E 36			9.8	2.9	
E 41			10.4	2.3	
E 44			8.7	4.0	
E 70			10.3	2.4	

0+00 = 70' EAST

DIST	SOUND		DIST	SOUND	
0+00			1+90	5.2	-1.5
+10	0.5	+3.2	1+00	4.0	-0.3
12:39	0.8	+2.9		3.5	+0.2
	1.0	+2.7	(3.7)	3.2	+0.5
(3.7)	1.8	+1.9		3.2	+0.5
50	3.0	+0.7		3.1	+0.6
	5.1	-1.4	50	3.0	+0.7
	5.5	-1.8		2.9	+0.8
1+80	5.5	-1.8	1+70	2.8	+0.9

STA 139+00 7-29-48 75

DIST	SOUND		DIST	SOUND	PX
1+80	2.8	+0.9	3+80	3.9	-0.1
	2.8	+0.9		4.1	-0.3
2+00	2.9	+0.8	4+00	4.1	-0.3
	2.9			4.2	-0.4
	2.9			4.4	-0.6
	2.9			4.5	-0.7
	2.9	+0.8		4.5	-0.7
50	3.0	+0.7	50	4.8	-1.0
	3.2	+0.5		4.9	-1.1
(3.7)	3.2			4.8	-1.0
	3.2		(3.8)	4.7	-0.9
	3.2			4.7	-0.9
3+00	3.2	+0.5	5+00	4.7	-0.9
12:42	3.3	+0.4		4.8	-1.0
	3.3	+0.4		4.8	
	3.4	+0.3		4.8	
	3.8	-0.1		4.8	
50	4.1	-0.4	50	4.8	-1.0
	4.0	-0.3	12:45	4.9	-1.1
3+70	3.9	-0.2	5+70	4.9	-1.1
			80	4.9	-1.1

PROJECT NO. 9.

PROFILE ALONG ℄ OF EXISTING PIER AT STA -136+05 WEST SHORE B/L

0+00 = END OF PIER

DIST	SOUND		DIST	SOUND	
0+00	3.2	+1.0	1+60	4.2	0.0
+10	5.3	-1.1		4.7	-0.5
13:29	6.1	-1.9	(4.2)	5.4	-1.2
	6.5	-2.3		5.0	-0.8
	6.8	-2.6	2+00	5.5	-1.3
50	6.7	-2.5	13:32		
	6.0	-1.8			
(4.2)	4.5	-0.3			
	3.5	+0.7			
	3.1	+1.1			
1+00	3.1	+1.1			
	3.1	+1.1			
	3.2	+1.0			
	3.3	+0.9			
	3.6	+0.6			
50	4.0	+0.2			

LOCATION OF ℄ PROFILE
ALONG LINE OF EXISTING PIER

AT REG. - 3930 BAYSIDE LANE

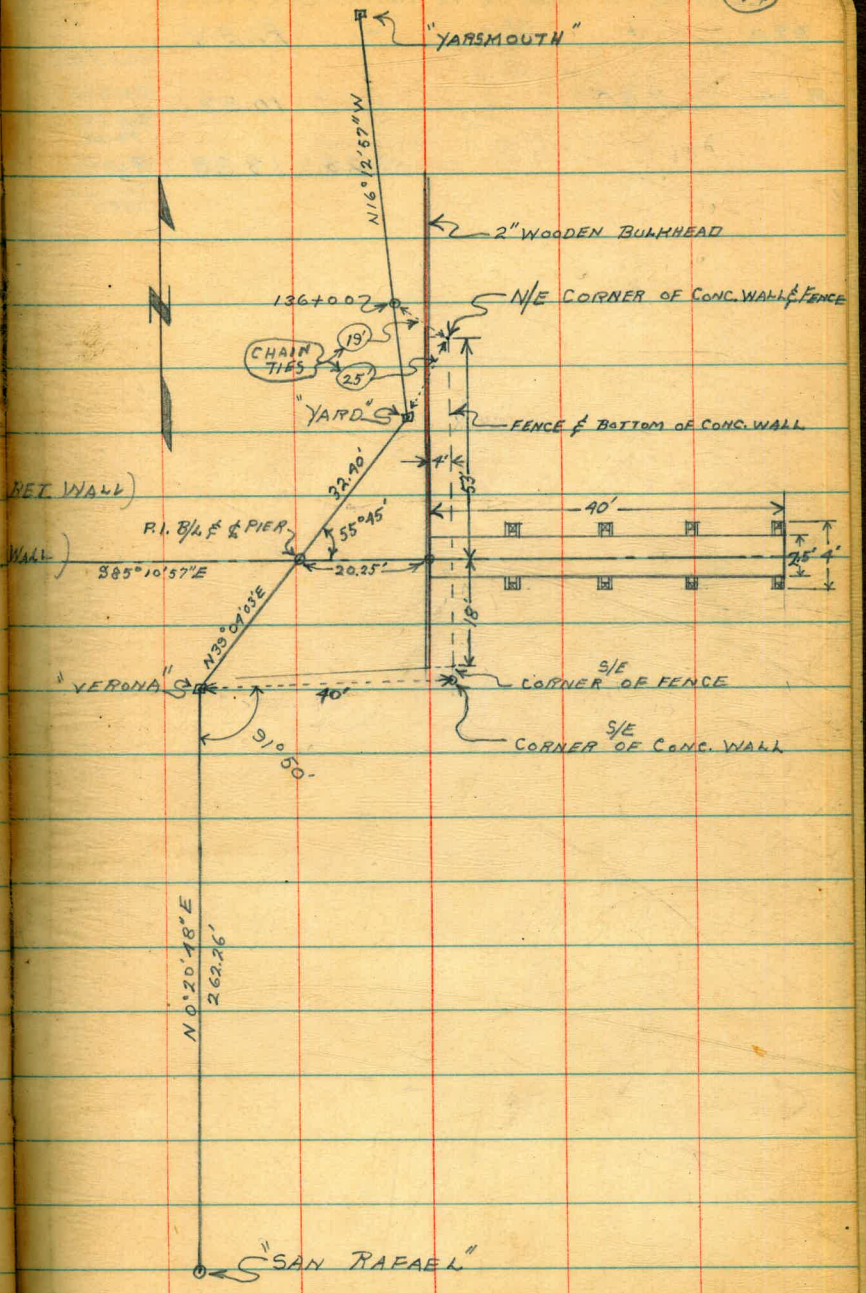
STA - 135 + WEST SHORE B/L.

0+00 = PT. 20' E/OF B/L.

DIST	+	H.I.	−	ELEV	
	3.95	12.31		8.36	STA - 135+00 W/SHORE B/L.
0+00			4.0	8.3	TOP OF PIER
0+00.5			4.8	7.5	TOP CONC. RET. WALL)
0+05			8.3	4.0	BOTTOM CONC. WALL)
0+10			8.9	3.4	
0+20			9.7	2.6	
0+30			10.7	1.6	
0+40			11.9	0.4	

0+00 = PT. 40' EAST (END OF PIER)

DIST (2.9)	SOUND		DIST (2.9)	SOUND	
0+10	4.0	- 1.1	1+10	6.5	-3.6
0+20	4.8	- 1.9	1+20	7.5	-4.6
0+30	5.1	- 2.2	1+30	7.6	.7
0+40	5.4	- 2.5	1+40	7.8	
0+50	5.4	- 2.5	1+50	8.0	
0+60	5.5	- 2.6	1+60	7.4	
0+70	5.2	- 2.3	1+70	7.4	
0+80	3.7	- 0.8	1+80	7.4	
0+90	3.8	- 0.9	1+90	7.1	
1+00	4.7	- 1.8	2+00	7.0	



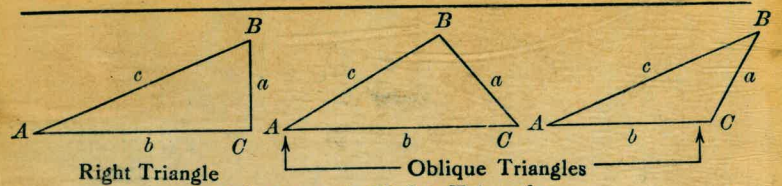
LEVELS TO RADIUS "A" TIERRA DEL FUEGO (78)

STA	+	H.I.	−	ELEV	
					U.S.C.F.G.S. "CAUSEWAY"
B.M.	7.30			10.83	TOP LEAD PLUG
			4.25	13.88	RADIUS CONC. MON

RADIUS "A" TO S/END PERM. BRIDGE. T@ N/END

① 78° 58'00"
② 157° 55'30"
113° 46'00"
360
③ 473° 46'00"
AV. 78° 57'40"

TRIGONOMETRIC FORMULÆ



Right Triangle — Oblique Triangles

Solution of Right Triangles

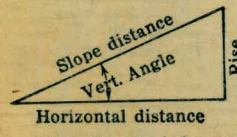
For Angle A. $\sin = \frac{a}{c}$, $\cos = \frac{b}{c}$, $\tan = \frac{a}{b}$, $\cot = \frac{b}{a}$, $\sec = \frac{c}{b}$, $\operatorname{cosec} = \frac{c}{a}$

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.