

59

Abbott St. Newport to Brighton. 1
Bacon St. Pacific to Brighton 8
Cable St. Orchard to Brighton 22
Return to City Engineers Office
City Hall, San Diego, Cal.
De Foe St. 37

G59

TRANSIT

398

Return to City Engineers Office
City Hall, San Diego, Cal.

Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

MINUTES.	LKS.	MINUTES.	LKS.	MINUTES.	LKS.
1	2 $\frac{1}{2}$	21	49	41	95 $\frac{2}{3}$
2	4 $\frac{2}{3}$	22	51 $\frac{1}{3}$	42	98
3	7	23	53 $\frac{2}{3}$	43	100 $\frac{1}{3}$
4	9 $\frac{1}{3}$	24	56	44	102 $\frac{2}{3}$
5	11 $\frac{2}{3}$	25	58 $\frac{1}{3}$	45	105
6	14	26	60 $\frac{2}{3}$	46	107 $\frac{1}{3}$
7	16 $\frac{1}{3}$	27	63	47	109 $\frac{2}{3}$
8	18 $\frac{2}{3}$	28	65 $\frac{1}{3}$	48	112
9	21	29	67 $\frac{2}{3}$	49	114 $\frac{1}{3}$
10	23 $\frac{1}{3}$	30	70	50	116 $\frac{2}{3}$
11	25 $\frac{2}{3}$	31	72 $\frac{1}{3}$	51	119
12	28	32	74 $\frac{2}{3}$	52	121 $\frac{1}{3}$
13	30 $\frac{1}{3}$	33	77	53	123 $\frac{2}{3}$
14	32 $\frac{2}{3}$	34	79 $\frac{1}{3}$	54	126
15	35	35	81 $\frac{2}{3}$	55	128 $\frac{1}{3}$
16	37 $\frac{1}{3}$	36	84	56	130 $\frac{2}{3}$
17	39 $\frac{2}{3}$	37	86 $\frac{1}{3}$	57	133
18	42	38	88 $\frac{2}{3}$	58	135 $\frac{1}{3}$
19	44 $\frac{1}{3}$	39	91	59	137 $\frac{2}{3}$
20	46 $\frac{2}{3}$	40	93 $\frac{1}{3}$	60	140

TABLE FOR RUNNING ON SLOPES.

In the following table the first column shows the angle, the second the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.

ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS
0		0		0		0	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	27	12.24
7	0.76	14	3.06	21	7.11	28	13.37
8	0.98	15	3.53	22	7.85	29	14.34
9	1.24	16	4.02	23	8.64	30	15.47
10	1.55	17	4.56	24	9.47	35	22.07

MICROFILMED

APR 6 1965

4.8
2.0

5.0
2.5

5.0

5.5

SANTA MONICA AVE.

SATATOGA AVE.

2.0
5.0

2.5
5.5

5.0

5.5

ST.

Abbott

5.45

6.45

NEWPORT AVE.

5.35

6.35

ST.

Abbott

2.0

2.5

SANTA MONICA AVE

2.0

2.5

⁶
8.9

⁶
8.9

CAPE MAY AVE.

BRIGHTON AVE.

8.6

8.6

10.0

10.0

2.7

3.3

Long Branch Ave

3.8

4.3

57

100

ALLEY

ALLEY

Abbot

100

5.0

5.5

8.9

8.9

10.0

10.0

SARATOGA AVE.

CAPE MAY AVE.

BRIGHTON AVE.

60

5.0

5.5

8.6

8.6

10.0

10.0

Abbott Ave.

535 Smith w. also

West	So. L. SANTA MONICA						East
50 5.25	5.0	4.72	5.25	4.90	5.56	5.75	
200 5.32	5.07	4.82	5.37	5.06	5.66	5.91	
200 5.40	5.15	4.91	5.48	5.22	5.82	6.07	
150 5.47	5.22	5.00	5.60	5.38	5.98	6.23	
100 5.55	5.30	5.10	5.71	5.54	6.14	6.39	
50 5.62	5.37	5.20	5.83	5.70	6.30	6.55	
20 5.70	5.45	5.30	5.95	5.85	6.45	6.70	

N.L. Newport Ave

$$\begin{array}{r} 5.21 \\ 4.89 \\ \hline 10.10 \end{array}$$

$$\begin{array}{r} 12.27 \\ 2.42 \\ \hline 14.69 \\ 8.20 \\ 6.47 \\ \hline 14.67 \\ 17.45 \end{array}$$

$$\begin{array}{r} 4.77 TP \\ 4.95 \\ \hline 11.55 \end{array}$$

$$\begin{array}{r} 12.27 \\ 5.20 \\ \hline 17.47 \\ 2.38 \\ 8.13 \\ 4.69 \\ \hline 17.47 \\ 5.20 \\ \hline 11.04 \\ 5.94 \\ 5.14 TP \\ \hline 10.19 \\ 5.17 TP \end{array}$$

$$\begin{array}{r} 5.50 \\ 4.70 \\ \hline 10.20 \end{array}$$

$$\begin{array}{r} 6.45 \\ 5.00 \\ \hline 11.45 \end{array}$$

$$\begin{array}{r} 5.45 \\ 6.05 \\ \hline 11.50 \end{array}$$

left set
3-5-13 - blough

$$\begin{array}{r} 6.45 \\ 4.62 \\ \hline 11.07 \\ 6.31 \\ 4.83 \\ \hline 11.14 \\ 5.00 \\ 4.72 \\ 5.22 \\ 4.90 \\ 5.30 \\ 4.91 \\ \hline 21.9 \end{array}$$

$$\begin{array}{r} 5.35 \\ 6.1 \\ \hline 11.45 \end{array}$$

$$\begin{array}{r} 6.35 \\ 5.90 \\ \hline 12.25 \end{array}$$

Checked OK blough
3-31-13

Abbott

W.

S. I. SARATOGA

E.

300	5.25	5.0	4.72	5.25	4.90	5.50	5.75
250	5.16	4.91	4.63	5.16	4.81	5.41	5.66
200	5.08	4.89	4.55	5.08	4.73	5.33	5.58
150	5.00	4.75	4.47	5.00	4.65	5.25	5.50
		4.78				5.23	
100	4.91	4.66	4.38	4.91	4.56	5.16	5.41
50	4.83	4.58	4.30	4.83	4.48	5.08	5.33
25	4.75	4.5	4.22	4.75	4.40	5.00	5.25

N. I. SANTA MONICA

5.31 Bn at Kansas

4.25
9.17

5.04 5.04 5.16 5.23 5.73
4.87 4.89 4.97 4.44 4.94

5.50
4.85
10.35

lbs St Clamps

5.19 7.0
4.85
10.04
2.28
7.06

5.00 4.72 5.12 4.86 5.60 5.20
5.00 5.15 4.79 5.14 5.24

Checked OK Clamps

3-31-13

Abbott

West

S. L. CAPE MAY

East

5

200 8.85 8.60 8.20 8.60 8.20 8.60 8.85

150 8.25 8.00 7.62 8.04 7.65 8.08 8.33

200 7.65 7.40 7.04 7.48 7.10 7.56 7.81

150 7.05 6.80 6.46 6.92 6.55 7.04 7.29

100 6.45 6.20 5.88 6.36 6.00 6.53 6.78

50 5.85 5.60 5.30 5.80 5.45 6.01 6.26

40 5.25 5.0 4.72 5.25 4.90 5.50 5.75

N. L. SARATOGA

8.60
4.20
4.40

8.04 7.48
7.86 5.42

7.67
6.20
1.47

8.64 8.20 8.60
4.66 5.04

Beulah St 3-17-13 Clancy

Checked OK Clancy

3-31-13

Abbott St.

Bm 11.09 East Cape

6

West.

East

So. L. Brighton

4.50 East Cape

3.71

8.21

5.05

3.16

10.30

13.46

2.37

11.09 Bm N. Cape

11.09

31.1

14.60

13.26

3.81

9.45

1.27

14.07

10.00

3.46

4.30

9.16

3.80

9.66

10.25 10.00 9.60 10.00 9.60 10.00 10.25

10.01 9.76 9.36 9.76 9.36 9.76 10.01

9.78 9.53 9.13 9.53 9.13 9.53 9.78

9.54 9.29 8.89 9.29 8.89 9.29 9.54

9.31 9.06 8.66 9.06 8.66 9.06 9.31

9.08 8.83 8.43 8.83 8.43 8.83 9.08

8.85 8.60 8.20 8.60 8.20 8.60 8.85

N. L. CAPE MAY AVE

Checked OK Blount

3-31-13

60' WIDE ABBOTT ST 10' 1/4 S
10' Walks

	W Curb	1/4	3/4	1/4	3/4	E
215' 405						
S.L. Long Boxes	3.80	3.40	4.05	3.90	4.30	4.55
200' 9.48	4.23	3.83	4.47	4.30	4.70	4.95
175' 5.20	4.95	4.55	5.16	4.96	5.36	5.61
150' 5.92	5.67	5.27	5.85	5.63	6.03	6.28
125' 6.64	6.39	5.99	6.55	6.29	6.69	6.94
100' 7.36	7.11	6.71	7.24	6.96	7.36	7.60
75' 8.08	7.83	7.43	7.93	7.62	8.02	8.27
50' 8.80	8.56	8.16	8.62	8.28	8.68	8.93
25' 9.53	9.28	8.87	9.31	8.94	9.34	9.59
10.25						
N.L. Bridges	10.0	9.60	10.00	9.60	10.00	10.25

2.8	1380	1380	1380	1380	1380	1380
11.0	11.0	11.3	7.36	16.3	33	10
12.90	2.5	2.5	6.44	7.5	10.5	0.26
0.60	4.3	3.8		7.6	10.5	
13.20	2.5	2.5		7.7	0.3	
6.84	7.1.8	7.1.2				
20.08						

Curbs St 3-17-13

Checked OK Blough
3-31-13

24.0

24.0

13.0

13.0

DEL MONTE AVE.

NIAGARA AVE.

25.0

25.0

14.0

14.0

ST.

ST.

29.0

29.0

19.0

18.0

SANTA CRUZ AVE.

NATAGANSETT AVE.

30.0

30.0

20.0

19.0

210'

300'

BACON

BACON

Grade to here
16.0

45.0

24.0

24.0

PACIFIC AVE.

DEL MONTE

Coronado

25.0

25.0

875

925

SANTA MONICA AVE.

CAPE MAY AVE.

9.0

10.0

6.60

7.0

ST 1

ST.

ST.

10.5

11.0

7.50

8.0

NEWPORT AVE.

SATATOGA AVE.

BRIGHTON AVE.

11.5

12.0

7.75

8.25

4.5

5.0

BACON

BACON

BACON

8.75

9.25

6.25

6.75

NIAGARA AVE.

SANTA MONICA.

CAPE MAY AVE.

14.0

14.0

9.0

10.0

So. L. SANTA CRUZ.

300	30.25	30.0	29.60	30.00	29.60	30.00	30.25
315	31.58	31.33	30.91	31.29	30.87	31.25	31.50
330	32.91	32.66	32.23	32.58	32.14	32.50	32.75
345	34.24	33.99	33.54	33.87	33.41	33.75	34.00
360	35.58	35.33	34.86	35.16	34.68	35.00	35.25
	36.91	36.66	36.18	36.45	35.95	36.25	36.50
	38.24	37.99	37.49	37.74	37.22	37.50	37.75
	39.58	39.33	38.81	39.03	38.49	38.75	39.00
400	40.91	40.66	40.12	40.32	39.76	40.00	40.25
	42.24	41.99	41.44	41.61	41.03	41.25	41.50
	43.58	43.33	42.76	42.91	42.31	42.50	42.75
	44.91	44.66	44.07	44.20	43.58	43.75	44.00
450	46.25	46.0	45.40	45.50	44.85	45.25	45.50

N. E. PACIFIC.

Spills + Poles NW
Puen + Santa Cruz

29.40	30.00	30.60	31.20	31.80	32.40	33.00	33.60	34.20	34.80	35.40	36.00
41.96	41.96	41.96	41.96	41.96	41.96	41.96	41.96	41.96	41.96	41.96	41.96
1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41.96	41.96	41.96	41.96	41.96	41.96	41.96	41.96	41.96	41.96	41.96	41.96
9.30	9.30	9.30	9.30	9.30	9.30	9.30	9.30	9.30	9.30	9.30	9.30
50.25	50.25	50.25	50.25	50.25	50.25	50.25	50.25	50.25	50.25	50.25	50.25
4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61
47.35	47.35	47.35	47.35	47.35	47.35	47.35	47.35	47.35	47.35	47.35	47.35
3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02
50.37	50.37	50.37	50.37	50.37	50.37	50.37	50.37	50.37	50.37	50.37	50.37

limbo (Packed in)
7-10-12 blough

8x11/2 Checked OK blough

Sat. DEL MONTE

F.

25.25	25.0	24.60	25.00	24.60	25.0	25.25
25.58	25.83	24.93	25.33	24.93	25.33	25.58
25.91	25.66	25.26	25.66	25.26	25.66	25.91
26.24	25.99	25.59	25.99	25.59	25.99	26.24
26.58	26.33	25.93	26.33	25.93	26.33	26.58
26.91	26.66	26.26	26.66	26.26	26.66	26.91
27.24	26.99	26.59	26.99	26.59	26.99	27.24
27.58	27.33	26.93	27.33	26.93	27.33	27.58
27.91	27.66	27.26	27.66	27.26	27.66	27.91
28.24	27.99	27.59	27.99	27.59	27.99	28.24
28.58	28.33	27.93	28.33	27.93	28.33	28.58
28.91	28.66	28.26	28.66	28.26	28.66	28.91
29.25	29.0	28.60	29.00	28.60	29.0	29.25

N. W. SANTA CRUZ

25.87 Am Santa Cruz
Paca + Del Monte SE

29.40 Br	22.45	32.45	32.45	32.45	32.45	32.45
30.5	6.4	5.41	6.7	6.8	7.0	7.1
32.41	16.0	27.80	28.7	28.6	28.5	28.3
	28.6	28.60	27.9	27.9	27.2	27.4
	28.0	27.2	28.2	28.5	28.5	28.4
	28.6	27.6	28.2	28.3	27.1	27.0
	28.6	27.6	28.2	28.3	27.1	27.0

7. 32.45 32.45 32.45 32.45 6.7

25.3 25.45 25.7 25.5 6-18-12

26.6 26.6 26.9 26.9

27.3 27.3 27.7 27.6

29.40 Br 29.00 29.00 29.00 29.00

34.10 4.10 5.10 26.87 25.87

29.40 4.10 5.10 26.87 25.87

39.01 cuts 7-18-12 29.15

29.40 Br 29.00 29.00 29.00 29.00

35.3 3.73 4.60 5.12 5.93 4.54 5.21 5.87

27.93 27.93 27.66 27.66 27.33 27.33 27.00 26.33 25.66 25.00

26.8 26.8 26.8 26.8 26.8 26.8 26.8 26.8 26.8 26.8

30.87 8-21-12 Checked OK along

25.97
6.17
32.14
3.10
29.84

So L. NATYAPANSETT. E.

20.25 20.0 19.40 19.50 18.85 19.0 19.25
 20.58 20.33 19.75 19.87 19.24 19.41 19.66
 20.91 20.66 20.10 20.25 19.64 19.83 20.08
 21.24 20.99 20.45 20.62 20.03 20.24 20.49
 21.58 21.33 20.80 21.00 20.43 20.66 20.91
 21.91 21.66 21.15 21.37 20.82 21.08 21.53
 22.24 21.99 21.50 21.75 21.22 21.49 21.74
 22.58 22.33 21.85 22.12 21.62 21.91 22.16
 22.91 22.66 22.20 22.50 22.01 22.33 22.58
 23.24 22.99 22.55 22.87 22.41 22.74 22.99
 23.58 23.33 22.90 23.25 22.80 23.16 23.41
 23.91 23.66 23.25 23.62 23.20 23.58 23.83
 24.25 24.0 23.60 24.00 23.60 24.0 24.25

N.I. DEL MONTE.

1970 Station Plot 4E
 Basin + Mangrove

13

2587 Bm
 $\frac{20}{26.77}$
 $\frac{2.82}{23.94}$
 $\frac{2.44}{21.50}$
 $\frac{2.7}{18.8}$
 $\frac{2.67}{21.67}$
 $\frac{2.37}{19.3}$
 $\frac{2.29}{17.0}$
 $\frac{2.27}{14.7}$
 $\frac{2.67}{21.67}$
 $\frac{2.37}{19.3}$
 $\frac{2.29}{17.0}$
 $\frac{2.27}{14.7}$
 $\frac{2.67}{21.67}$
 $\frac{2.37}{19.3}$
 $\frac{2.29}{17.0}$
 $\frac{2.27}{14.7}$
 64 x 6-18-12
 1970 Bm
 $\frac{11.4}{24.30}$
 $\frac{1.80}{18.00}$
 $\frac{1.94}{19.40}$
 $\frac{2.00}{20.00}$
 Links 7 10-12
 Plot 11/12 8-7-12

So. L. NIAGARA.

E.

14.25	14.0	13.60	14.00	13.60	14.0	14.25
14.66	14.41	14.00	14.37	13.95	14.33	14.58
15.08	14.83	14.40	14.75	14.30	14.66	14.91
15.49	15.24	14.80	15.12	14.66	14.99	15.24
15.91	15.66	15.20	15.50	15.01	15.33	15.58
16.33	16.08	15.60	15.87	15.37	15.66	15.91
16.74	16.49	16.00	16.25	15.72	15.91	16.24
17.16	16.91	16.40	16.62	16.07	16.33	16.58
17.58	17.33	16.80	17.00	16.43	16.66	16.91
17.99	17.74	17.20	17.37	16.78	16.99	17.24
18.41	18.16	17.60	17.75	17.14	17.33	17.58
18.83	18.58	18.00	18.12	17.49	17.66	17.91
19.25	19.0	18.40	18.50	17.85	18.0	18.25

N.F. NATYAGANSETH.

1970 Bm
15.6 v Bm noise ^{may} 14
_{Dec}

18.00	21.15	21.15	21.15	21.15	21.15	21.15	21.15	21.15
30	1.3	1.9	3.0	2.3	3.8	4.3	5.4	4
21.15	19.7	19.2	18.1	18.8	18.3	16.8	15.7	17.1
	17.5	18.4	17.6	16.9	16	16.7	15.9	14.6
	0.23	0.8	0.5	0.9	0.7	0.4	0.5	0.5

6-18-12
6-17
11-54
341
19.03
19.00 13.00
5.60 6.00
hunks 7-9-12
Props 8-7-12
8-21-12 checked OK blough

14 Combs
So. I. NEWPORT

F.

11.75	11.50	11.22	11.75	11.40	12.00	12.25
11.87	11.62	11.33	11.85	11.50	12.08	12.33
12.00	11.75	11.45	11.95	11.60	12.16	12.41
12.12	11.87	11.56	12.06	11.70	12.24	12.49
12.25	12.00	11.68	12.16	11.80	12.33	12.58
12.37	12.12	11.79	12.27	11.90	12.41	12.66
12.50	12.25	11.91	12.37	12.00	12.49	12.74
12.62	12.37	12.02	12.48	12.10	12.58	12.83
12.75	12.50	12.14	12.58	12.20	12.66	12.91
12.87	12.62	12.25	12.68	12.30	12.74	12.99
13.00	12.75	12.37	12.79	12.40	12.83	13.08
12.12	12.87	12.48	12.89	12.50	12.91	13.16
13.25	13.00	12.60	13.00	12.60	13.00	13.25

N.I. NIAGARA.

12.27	10.75	11.75	11.95	12.16	12.37	12.54	12.33	12.12
5.61	7.33	6.33	6.43	5.92	5.71	6.54	7.72	7.94
18.08	12.79	13.00	12.79	12.54	12.37	12.16		
18.74	5.78	5.97		6.00	6.29	6.12		
17.12	17.12	17.12	17.12	17.12	17.12	17.12	17.12	17.12
4.55	3.3	2.7	4.9	4.5	3.4	3.8	4.1	4.4
12.12	12.9	12.4	12.8	12.7	11.8	13.4	14.5	14.4
00	21.1	0.8	0.0	8.7	0.9	1.0	2.2	2.4

647 7-9-12 Blauvelt

11.50 12.00 Combs 7-16-12

11.50 12.00 Park St 8-7-12

8-24-12 checked OK Blauvelt

W

S.T. SANTA MONICA E.

Newport St 14' levels

9.25	9.00	8.85	950	940	10.00	10.25
9.37	9.12	8.96	960	948	10.08	10.33
9.50	9.25	9.07	970	956	10.16	10.41
9.62	9.37	9.19	981	964	10.24	10.49
9.75	9.50	9.30	991	973	10.33	10.58
9.87	9.62	9.42	1002	981	10.41	10.66
10.00	9.75	9.53	1012	989	10.49	10.74
10.02	9.87	9.64	1022	998	10.58	10.83
10.25	10.00	9.76	1033	1006	10.66	10.91
10.37	10.12	9.87	1043	1014	10.74	10.99
10.50	10.25	9.99	1054	1023	10.83	11.08
10.62	10.37	10.10	1064	1031	10.91	11.16
10.75	10.50	10.22	1075	1040	11.00	11.25

12.27	9.70	9.75					
4.24	6.88	7.1					
15.41							
12.27	16.41	16.41	16.41	16.41	16.41	16.41	16.41
4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24
16.41	12.27	11.4	11.4	11.4	11.4	10.9	11.1
	17.24	10.7	11.2	11.2	10.8	10.3	10.0
	11.1	0.7	0.0	0.8	10.4	9.7	5.2
	10.7	7.9	1.2		0.8	0.4	0.8
10.25	9.70	9.75					
3.74	5.70	5.50					
14.30	5.70	5.50					
12.27	10.75	10.75	9.70	10.05	9.00	8.85	
3.61	5.10	5.85	5.10	4.61	5.60	5.75	
15.98	14.60						
12.27	10.75	10.75					
3.61	4.77						
15.52							

Checked OK blange
12-23-12

N.W. Newport

BACON ST.
S.O.L. SARATOGA.

F.

8.00	7.75	7.47	8.00	7.65	8.25	8.50
8.08	7.83	7.55	8.08	7.73	8.33	8.58
8.16	7.91	7.63	8.16	7.81	8.41	8.66
8.24	7.80	7.72	8.24	7.90	8.49	8.74
8.33	8.04	7.80	8.33	7.98	8.58	8.83
8.41	8.16	7.88	8.41	8.06	8.66	8.91
8.50	8.25	7.97	8.50	8.15	8.75	9.00
8.58	8.33	8.05	8.58	8.23	8.83	9.08
8.66	8.41	8.13	8.66	8.31	8.91	9.16
8.75	8.50	8.22	8.75	8.40	9.00	9.25
8.83	8.58	8.30	8.83	8.48	9.08	9.33
8.91	8.66	8.38	8.91	8.56	9.16	9.41
9.00	8.75	8.47	9.00	8.65	9.25	9.50

N.L. SANTA MONICA.

10.75 Bm Bacon + Santa M
8.06 Bm NE II Saratoga

17

14.35
13.45
9.10 8.70 8.50 8.70 8.20 8.55 7.65
4.35 4.35 4.95 4.75 5.25 5.10 5.60
10-30-12 Quils
8.06 370 8.00 7.75
4.86 4.11
12.86 14.60 41 8.75 7.00 9.15 8.45
5.85 4.0 5.35 6.13
8.06 7.75 7.47 8.20 8.25
4.74 5.05 5.33 4.80 4.55
12.80

Checked OK
12-23-12

W.

S.O.L. CAPE MAY.

E.

6.85	6.60	6.30	6.80	6.40	7.00	7.25
6.92	6.67	6.37	6.87	6.48	7.08	7.33
7.00	6.75	6.45	6.95	6.56	7.16	7.41
7.07	6.82	6.52	7.03	6.64	7.24	7.49
7.15	6.90	6.60	7.11	6.73	7.33	7.58
7.22	6.97	6.68	7.19	6.81	7.41	7.66
7.30	7.05	6.75	7.27	6.89	7.49	7.74
7.37	7.12	6.83	7.35	6.98	7.58	7.83
7.45	7.20	6.91	7.43	7.06	7.66	7.91
7.52	7.27	6.98	7.51	7.14	7.74	7.99
7.60	7.35	7.06	7.59	7.23	7.83	8.08
7.67	7.42	7.14	7.67	7.31	7.91	8.16
7.75	7.50	7.22	7.75	7.40	8.00	8.25

N.I. S.A.T.A 1094.

10-30-12 burbs blough

661 680 650
 7.85 5.15
 11.65

12.80 7.50 7.22 7.25 8.00
 5.30 5.48 5.05 4.80

661 660 630 680 700
 4.69 5.00 4.49 4.79
 11.20

Checked OK blough
12-23-12

BACON ST.
S. L. BRIGHTON

E

19

4.75 4.50 4.22 4.75 4.40 5.00 5.25

4.89 4.64 4.36 4.89 4.54 5.14 5.39

5.04 4.79 4.51 5.04 4.69 5.29 5.54

5.18 4.93 4.65 5.18 4.83 5.43 5.68

5.33 5.08 4.80 5.33 4.98 5.58 5.83

5.57 5.22 4.94 5.47 5.12 5.72 5.97

5.62 5.37 5.09 5.62 5.27 5.87 6.12

5.77 5.52 5.24 5.77 5.42 6.02 6.27

5.91 5.66 5.38 5.91 5.56 6.16 6.41

6.06 5.81 5.53 6.06 5.71 6.31 6.56

6.20 5.95 5.67 6.20 5.85 6.145 6.70

6.35 6.10 5.82 6.35 6.00 6.60 6.85

6.50 6.25 5.97 6.50 6.15 6.75 7.00

N. L. CAPE MAY.

6.61 TP
5.14 4.50 5.00
1.575 4.79 4.47
6.04 10-36-12 Lamb Dicks blough
5.17
3.76 5.00 4.75
9.47 4.94 5.30
9.91

11.9 9.7 6.15 5.97 6.50 6.71
5.04 5.32 4.79 4.84
3.00
4.11
9.65
4.50 4.22 4.75
5.41 5.00 4.90

Checked OK - blough
12-23-12

27.5

27.5

24.5

24.5

19.0

19.5

16.0

16.5

PACIFIC AVE.

DEL MONTE

NIAGARA AVE.

SANTA MONICA

28.5

28.5

25.0

25.0

19.5

20.0

16.5

17.0

ST.

ST.

ST.

ST.

32.5

32.5

26.0

26.0

22.5

22.5

15.5

16.0

DEL MAR AVE.

SANTA CRUZ AVE.

NARGANSETT AVE.

NEWPORT AVE.

33.0

33.0

26.5

26.5

23.0

23.0

16.5

17.0

CABLE

CABLE

CABLE

CABLE

42.0

41.0

27.5

27.5

24.5

24.5

19.0

19.5

ORCHARD AVE.

PACIFIC AVE.

DEL MONTE AVE.

NIAGARA AVE.

28.5

28.5

25.0

25.0

19.5

20.0

13.0

13.5

CAPE MAY AVE.

13.0

13.5

ST.

ST.

15.0

15.5

SARATOGA AVE.

Brighton AVE.

15.0

15.5

14.0

15.0

CABLE

CABLE

16.0

16.5

13.0

13.5

SANTA MONICA AVE CAPE MAY AVE.

16.5

17.0

13.0

13.5

CABLE ST.

E.

30. L. DEL MAT.

33.25 33.0 32.60 33.0 33.25

34.75 34.50 34.06 34.41 33.97 34.33 34.58

36.25 36.00 35.53 35.83 35.35 35.66 35.91

37.75 37.50 36.99 37.24 36.72 36.99 37.24

39.25 39.00 38.46 38.66 38.10 38.33 38.58

40.75 40.50 39.93 40.08 39.47 39.66 39.91

42.25 42.00 41.40 41.50 40.85 41.0 41.25

N. L. ORCHARD ST.

Bm 34.64 50 52 Del Mat Cable

45.10 for in Orchard 25

4471	4471	4471	4471	4471	4471	4471	4471	4471	4471
1007	3320	98	98	98	65	65	65	65	65
3464	C.7	34.9	36.5	35.0	36.6	38.2	38.9	38.0	38.0
		32.7	34.8	34.6	35.9	36.9	37.7	37.24	37.24
		4471	4471	4471	4471	4471	4471	4471	4471
		51	26	14	40	45	37	20	20
		59.6	44.1	45.3	40	45	37	20	20
		38.2	39.2	45.3	40	45	37	20	20
		C.0	C.7		C.3	C.3	C.3	C.3	C.3

11-12-11

34.64 Bm	3300	3460	3433	3460	3500	3750	3700
5.01	6.92	5.45	5.22	3.95	3.29	2.41	2.55

39.93	3900	3833	4050	3966	4200	4100
2.70	4.20	5.88	2.71	4.85	2.21	3.01

3-11-12 - Pup - 660

44.14	3200	3260	3250	3210
2.90	4.50	5.00	5.00	4.40
37.54				

Checked 7-25-12 Calouph
Work in Side walks

CABLE ST.

E.

S. L. PACIFIC AVE.

28.75 28.50 28.10 28.50 28.10 28.50 28.75

29.41 29.16 28.76 29.16 28.76 29.16 29.41

30.08 29.83 29.43 29.83 29.43 29.83 30.08

30.74 30.49 30.09 30.49 30.09 30.49 30.74

31.41 31.16 30.76 31.16 30.76 31.16 31.41

32.08 31.83 31.43 31.83 31.43 31.83 32.08

32.75 32.50 32.10 32.50 32.10 32.50 32.75

N. L. DEL MAR AVE.

79.47 20 SW Pacific 660

26

3004 Bm	3680	3680	3680	3680	3680	3680	3680	3680	3680	3680	3680
328	75	75	75	75	75	75	75	75	75	75	75
38.32	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
38.3	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
29.49	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
7.51	C.6	C.6	C.6	C.6	C.6	C.6	C.6	C.6	C.6	C.6	C.6
36.80	26.80	26.80	26.80	26.80	26.80	26.80	26.80	26.80	26.80	26.80	26.80
2.62	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
34.18	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
10.53	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
44.71											

30.04	28.50	29.16	29.83	30.49	31.16	31.83	32.50
3.44	5.02	4.36	3.79	3.23	2.66	2.10	1.53
33.52	3-1-12						
30.49							
31.16							
31.83							
32.50							
30.64V							

Checked OK 7-25-12 though

Cable St.

E.

So. I. Santa Cruz Ave

26.75 26.50 26.10 26.50 26.10 26.50 26.75

250 26.91 26.66 26.26 26.66 26.26 26.66 26.91

200 27.08 26.83 26.43 26.83 26.43 26.83 27.08

150 27.24 26.99 26.59 26.99 26.59 26.99 27.24

100 27.41 27.16 26.76 27.16 26.76 27.16 27.41

50 27.58 27.33 26.93 27.33 26.93 27.33 27.58

00 27.75 27.50 27.10 27.50 27.10 27.50 27.75

N. I. Pacific Ave

Bn 30.54 to 5 E ball + 45.0

27

3414	3414	3414	3414	3414	3414	3414	3414
28.7	27.4	27.4	28.1	28.8	27.8	27.6	29.2
26.8	26.9	27.1	27.1	27.2	27.2	27.4	27.4
0.8	0.5	0.3	0.0	0.6	0.6	0.2	0.9
3414	3414	3414	3414	3414	3414	3414	3414
28.4	28.5	28.9	28.7	28.7	28.7	28.7	28.7
27.6	27.6	27.7	27.7	27.7	27.7	27.7	27.7
0.8	0.7	0.2	0.0	0.0	0.0	0.0	0.0

3007 Bn
 210
 27.75

2650	2666	2683	2700	2716	2733	2750
5.64	5.48	5.31	5.14	4.98	4.81	4.65

3-4-12 Pm + 6.0

Checked OK 7-25-12 enough

CABLE ST

E

So L. DEL MONTE AVE

300 25.25 25.00 24.60 25.00 24.60 25.00 25.25

350 25.41 25.16 24.71 25.16 24.71 25.16 25.41

400 25.58 25.33 24.93 25.33 24.93 25.33 25.58

450 25.74 25.49 25.09 25.49 25.09 25.49 25.74

500 25.91 25.66 25.26 25.66 25.26 25.66 25.91

550 26.08 25.83 25.43 25.83 25.43 25.83 26.08

600 26.25 26.00 25.60 26.00 25.60 26.00 26.25

N. L. SANTA CRUZ AVE

27.90 20.75 6 + name

28

27.90	25.10	25.10	25.10	25.10	25.10	25.10	25.10	25.10
7.00	5.5	5.5	5.8	5.4	4.9	5.5	5.5	5.5
35.10	29.6	29.2	29.3	29.7	30.1	29.6	29.6	29.6
	25.4	25.4	28.1	25.6	28.7	28.7	25.9	25.9
	4.1	4.1	5.7	4.1	4.5	4.1	3.7	4.2
	35.10	35.10						
	5.0	35.10	25.10	35.10	35.1	60.40		
	2.1	5.0	1.5	5.5	5.1			
	4.0	30.1	28.5	29.8	29.6	6.47		
	24.4	26.1	26.2	28.2				
	25.0	6.10	2.4	3.6				
	25.0	25.4	25.33	25.50	4.46	2-25-12		
	5.2	5.36	5.19	5.02	4.86	Plus 4 lbs		

27.90 27.90 24.60
-11.60
39.30

Calms
checked OK 7-25-12 blough

✓✓

CABLE ST.

E.

So. L. NATAGANSETT.

300 23.25 23.00 22.60 23.00 22.60 23.00 23.25

✓ 250 23.50 23.25 22.85 23.25 22.85 23.25 23.50

✓ 200 23.75 23.50 23.10 23.50 23.10 23.50 23.75

✓ 150 24.00 23.75 23.35 23.75 23.35 23.75 24.00

✓ 100 24.25 24.00 23.60 24.00 23.60 24.00 24.25

50 24.50 24.25 23.85 24.25 23.85 24.25 24.50

00 24.75 24.50 24.10 24.50 24.10 24.50 24.75

N. L. DEL MONTE

27.90 20 N.E. Cable + Monte

29

2081 Bm	30.94	30.94	30.94	30.94	30.94	30.94	30.94	30.94
713	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
30.94	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
5.05	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
27.90	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8

10-21-11 694 E 647

2381 Bm N.E. Cable + Monte

487	23.00	23.25	23.50	23.75	24.00	24.25	24.50
24.48	5.4	5.23	4.99	4.73	4.48	4.23	3.98
2.98	2.25	2.00	1.75	1.50	1.25	1.00	0.75
24.50	4.69	4.19					
2.00							
33.50							
3381							
3.38							
27.19							

Checked OK 7-25-12 Blough

CABLE ST

30 W. NIAGARA AVE.

1975 19.50 19.23 19.75 19.40 20.00 20.25

20.25 20.06 19.70 20.20 19.85 20.41 20.66

20.75 20.50 20.18 20.66 20.30 20.83 21.08

21.25 21.00 20.66 21.12 20.25 21.24 21.49

21.75 21.50 21.14 21.58 21.20 21.66 21.91

22.25 22.00 21.62 22.04 21.65 22.08 22.33

22.75 22.50 22.10 22.50 22.10 22.50 22.75

N.L. NATAGANSETH AVE.

BM 28.1 20.7 E Babbitt

19.62 20 SW Babbitt

28.1 BM	28.24	28.34	28.34	28.34	28.34	28.34	28.34	28.34
4.8	6	1.2	6.4	6.0	7.0	7.5	1.7	
23.6	22.8	22.8	22.0	22.4	21.4	21.8	21.7	
28.34	28.34	28.34	28.34	28.34	28.34	28.34	28.34	
19.62	19.62	19.62	19.62	19.62	19.62	19.62	19.62	

196 BM	19.50	20.00	20.00	20.41	20.50	20.53	21.00	21.24
6.80	6.92	6.92	6.40	6.01	5.92	5.54	5.22	5.18
26.4	25.0	24.6	24.2	23.8	23.0	22.5	22.0	21.8
19.6 BM	19.50	20.00	20.00	20.41	20.50	20.53	21.00	21.24
4.8	4.03	4.03	4.50	4.50	4.92	4.92	5.22	5.18

Checked OK 7-25-12 Blount

GABLE ST. E

14' curb

So. I. NEWPORT AVE

300	16.75	16.50	16.22	16.75	16.40	17.00	17.25
250	17.16	16.91	16.63	17.16	16.81	17.41	17.66
200	17.58	17.33	17.05	17.58	17.23	17.83	18.08
150	17.99	17.74	17.46	17.99	17.64	18.24	18.49
100	18.41	18.16	17.88	18.41	18.06	18.66	18.91
50	18.83	18.58	18.30	18.83	18.48	19.08	19.33
0	19.25	19.00	18.72	19.25	18.90	19.50	19.75

N. I. NIAGATA AVE

19.66 Bm 20' SW	2087	2087	2387	2387	2387	2387	2387	2387
38.5	485	417	48	48	55	422	55	52
23.57	19.00	19.5	19.4	19.0	18.4	19.1	18.7	18.1
5.21	19.25	19.75	19.22	18.8	18.4	18.9	18.49	17.87
18.66	7.01	7.02	0.0	C.V.	0.0	C.V.	18.49	C.V.
4.00								
23.85	2352	2352	2352	2352	2352	2352	2352	2352
5.85	6.2	5.14	5.2	6.5	6.3	5.61		
17.07	17.26	18.4	16.1	17.06	17.2	17.9		
	17.84	18.05	15.66	17.16	16.7	17.2		
11-16-11	7.20	6.3	6.5	7.0	6.6	6.7		
19.66 Bm	1900	1930	1848	1808	1816	1866	1774	1824
38.5	4.74	3.74	4.86	4.26	5.85	4.78	5.70	5.20
23.44	1733	1783	1691	1741	1650	1700		
5.73	6.11	5.61	6.83	6.00	6.94	6.44		
19.71	1550	1600			1655	1700		
1771 Bm	6.72	6.42			5.92	5.42		
4.71								
22.42								

Checked OK 7-25-12 brought

W.

CABLE ST.

E.

So. T. SANTA MONICA

300 16.75 16.50 16.22 16.75 16.40 17.00 17.25

250 16.58 16.33 16.05 16.58 16.23 16.83 17.08

200 16.41 16.16 15.88 16.41 16.06 16.66 16.91

150 16.24 15.99 15.71 16.24 15.89 16.49 16.74

100 16.08 15.83 15.55 16.08 15.73 16.33 16.58

50 15.91 15.66 15.38 15.91 15.56 16.16 16.41

10 15.75 15.50 15.22 15.75 15.40 16.00 16.25

N.E. NEWPORT AVE.

17' curbs17.71 20' SW Newport Ave
16.59 20' NE Cable & San Mon

1771	2236	2236	2236	2236	2236	2236	2236	2236
465	465	465	465	465	465	465	465	465
2436	17.7	17.5	17.7	17.0	17.2	17.5	17.8	17.0
	15.7	16.0	16.2	15.9	16.1	16.5	16.7	16.2
	C1.0	C1.2	C1.2	C1.1	C1.1	C1.0	C1.0	C1.0
	2236	2236	2236	2236	2236	2236	2236	2236
	16.4	17.4	17.3	16.5	16.3	16.7	16.7	16.7
	16.4	16.9	17.1	16.5	16.7	16.7	16.7	16.7
	0.0	C.5	C.2	0.0	7.4	2.5		

11-11-11

1771 R2

5.34

23.08

6.99

16.57

22.07

1076

6.55

17.01

15.54

5.10

20.61

15.50	16.40	15.66	16.01	15.52	16.33	15.39	16.48
7.55	7.05	7.39	6.89	7.20	6.70	7.06	6.56

16.16	16.66	16.03	15.88	16.50	17.04
6.89	6.39	6.70	6.14	6.87	6.07

1-8-12 Puz & Lunt

16.50	17.60	15.47	17.00	16.50	16.00
4.11	0.61	3.05	3.70	4.00	4.50
		20.50			

checked OK 7-25-12 Clough

CABLE ST.

S.O.L. SATATOGA AVE.

15.25 15.00 14.72 15.25 14.90 15.50 15.75

15.41 15.16 14.88 15.41 15.06 15.66 15.91

15.58 15.33 15.05 15.58 15.23 15.83 16.08

15.74 15.49 15.21 15.74 15.39 15.99 16.24

15.91 15.66 15.38 15.91 15.56 16.16 16.41

16.08 15.83 15.55 16.08 15.73 16.33 16.58

16.25 16.00 15.72 16.25 15.90 16.50 16.75

N.L. SANTA MONICA.

16.12 50' NE Saratoga + Gate
16.59 20' NE Santa Monica

32

1207 Bm Paces + Paces 7.8 19.80 37 16.04 5.13 21.21 43 4.30 16.51 TP 3.85 20.16 4.64 16.11	21.21 5.1 16.1 16.2 7.1 nw	21.21 4.5 16.7 16.7 7.1 nw	21.21 4.5 16.7 16.7 7.1 nw	21.21 4.5 16.7 16.7 7.1 nw	2076 5.2 15.6 15.9 7.3	2076 5.2 15.6 15.9 7.3	2076 5.86 14.9 15.2 7.3	2076 5.3 15.3 15.7 7.1
22.07 HJ 6.0 15.7 TP	16.6 6.07	16.50 5.37	15.83 6.24	16.33 5.71	15.66 6.91	16.16 6.91	15.49 6.58	15.89 6.08
1247 TP 4.03 19.50 4.07 15.45 5.52 20.98	15.00 5.88	15.50 5.48	1-8-12 Paces + Paces					

Checked OK 7-25-12 blawh

So L. CAPE MAY AVE.

13.25 13.00 12.72 13.25 12.90 13.50 13.75

13.58 13.33 13.05 13.58 13.23 13.83 14.08

13.91 13.66 13.38 13.91 13.56 14.16 14.41

14.24 13.99 13.71 14.24 13.89 14.49 14.74

14.58 14.33 14.05 14.58 14.23 14.83 15.08

14.91 14.66 14.38 14.91 14.56 15.16 15.41

15.25 15.00 14.72 15.25 14.90 15.50 15.75

N. L. SARATOGA AVE.

2076 H.S.

4.6
11.12
4.74
20.86
5.48
15.38

15.75 TP

5.66
15.37
8.18
15.19
5.92
19.11

15.47 TP
3.25
19.42
5.02
14.35
3.18
17.53
4.20
13.33
2.13
18.46

2076

5.3
13.15
13.77
13.5
8.2
20.86
5.66
15.2
14.9
9.8

15.00

6.37
13.66
7.71
1-8-12

2076

6.3
14.2
15.2
15.2
7.0
6.2
14.7
13.6
2.1

14.66

6.71
14.11
7.11
Purples

161

1538

50 n.e. Saratoga & Gable

50 n.e. Co. Hwy & Gable

33

2076

5.2
13.00
14.0
C.1
C.1
20.86
5.46
15.4
14.3
C.1

5.12

6.1
13.83
7.84

2076

5.2
15.9
15.2
C.4
C.4
20.86
5.2
15.2
18.7
C.1

14.33

7.04
13.02
8.37

2076

5.7
15.0
15.1
C.4
C.4
20.86
6.2
15.2
18.7
C.1

14.80

6.04
13.50
7.87

2076

5.7
14.7
14.2
0.5
C.1

13.98

7.138
14.48
6.88

2076

5.7
14.7
14.2
0.5
C.1

14.48

6.88

Checked OK 7-25-12 blouyt

CABLE ST.

So. W. BRIGHTON AVE.

1428 14.0 1382 14.56 14.40 15.00 15.25

14.08 13.83 13.63 14.29 14.15 14.75 15.00

13.91 13.66 13.45 14.08 13.90 14.50 14.25

13.74 13.49 13.26 13.87 13.65 14.25 14.50

13.58 13.33 13.08 13.66 13.40 14.00 14.25

13.41 13.16 12.90 13.45 13.15 13.75 14.00

13.25 13.00 12.72 13.25 12.90 13.50 13.75

N. W. CAPE MAY AVE.

20.86 H3

20.86 H3
6.65
14.21
C1.0

20.86
5.9
15.5
13.7
C1.3

20.86
5.61
15.2
14.0
C1.2

20.86
L3.6
14.5
13.4
C1.1

20.86
4.4
14.4
13.6
C.8

20.86
5.5
15.0
14.2
C.8

20.86
5.76
15.1
14.5
C.2

20.86
6.4
15.7
14.7
C.8

20.86
6.4
14.4
13.9
C.5

20.86
6.2
14.9
14.2
C.2

20.86
6.7
15.3
14.5
C.5

20.86
6.8
14.4
13.7
C.2

20.86
6.4
14.4
13.7
C.2

20.86
6.2
14.6
13.6
7.6

19.11 H3

4.84

14.27 TP

6.31

20.86

14.27

14.07

13.89

7.63

19.32

19.32

13.00

13.50

13.11

12.75

13.33

14.00

13.49

14.25

6.31

5.61

5.91

5.36

5.78

5.11

5.09

6.33

13.66

14.10

13.83

14.25

14.00

14.00

13.75

13.75

1-9-12

1846 H3

14.00

15.00

4.46

3.95

19.32

checked OK 7-25-12 brought

15.38 50 NE Cape May + table
14.32 20 SW Brighton

34

20.86 H3
6.65
14.21
C1.0

20.86
5.9
15.5
13.7
C1.3

20.86
5.61
15.2
14.0
C1.2

20.86
L3.6
14.5
13.4
C1.1

20.86
4.4
14.4
13.6
C.8

20.86
5.5
15.0
14.2
C.8

20.86
5.76
15.1
14.5
C.2

20.86
6.4
15.7
14.7
C.8

20.86
6.4
14.4
13.9
C.5

20.86
6.2
14.9
14.2
C.2

20.86
6.7
15.3
14.5
C.5

20.86
6.8
14.4
13.7
C.2

20.86
6.4
14.4
13.7
C.2

20.86
6.2
14.6
13.6
7.6

19.11 H3

4.84

14.27 TP

6.31

20.86

14.27

14.07

13.89

7.63

19.32

19.32

13.00

13.50

13.11

12.75

13.33

14.00

13.49

14.25

6.31

5.61

5.91

5.36

5.78

5.11

5.09

6.33

13.66

14.10

13.83

14.25

14.00

14.00

13.75

13.75

1-9-12

1846 H3

14.00

15.00

4.46

3.95

19.32

checked OK 7-25-12 brought

280

28.0

36.0

36.5

37

PASCADETO

DEL MAT.

270

27.0

35.5

36.0

st.

st.

21.0

21.0

30.0

31.0

BERMUDA

ORCHARD

20.0

20.0

29.0

30.0

De Foe
Sunset Cliffs Blvd.

De Foe

19.0

19.0

28.0

28.0

POINT LOMA

PASCADETO

27.0

27.0

52.0 53.0 30.0 31.0 25.0 26.0 25.0 25.5

SANTA CRUZ

NATTA GANSETT NEWPORT

SARATOGA

53.0	54.0	31.0	32.0	25.0	26.0	25.0	25.5
60.0	61.0						
60.00	61.0						
50.0	51.0	35.0	36.0	26.0	27.0	24.0	24.5

PACIFIC

DEL MONTE

NIAGARA

SANTA MONICA

49.0	50.0	36.0	37.0	26.0	27.0	24.0	24.5
36.0	36.5	52.0	53.0	30.0	31.0	25.0	26.0

DEL MAY

SANTA CRUZ NATTA GANSETT

NEWPORT

35.5 36.0 53.0 54.0 31.0 32.0 25.0 26.0

Brighton

25.0

25.5

ST.

24.0

24.5

CAPE MAY

24.0

24.5

DE FOE

25.0

25.5

SATATOGA

25.0

25.5

1

2630 50° NE. In Tow + Pescadero

42

W.

E.

S.O.L. PESCADERO

27.25 27.00 26.60 27.00 26.60 27.00 27.25

2630	2285	2285	2385	3385	3385	3385	2385	2385
715	28.5	28.7	28.4	27.8	26.5	27.9	24.8	23.7
33.95	27.5	27.5	26.2	26.2	25.5	24.2	24.2	23.2
11.2	C1.5	C2.5	C4.2	0.6	C1.2	C.2	C.6	2.5
12.3	5.5							

26.25 26.00 25.60 26.00 25.60 26.00 26.25

2630	3385	3385	2492	2492	2492	2492	2492	2492
12.25	1.2	1.2	4.2	4.1	4.9	4.7	4.7	4.7
29.6	21.6	21.6	20.2	20.8	20.2	20.2	20.2	20.2
20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
21.2	21.6	21.6	21.0	21.4	21.2	21.2	21.2	21.2
71.6	21.6	21.6	21.0	21.4	21.2	21.2	21.2	21.2

25.25 25.00 24.60 25.00 24.60 25.00 25.25

2530	2424	2424	2424	2424	2424	2424	2424	2424
1.92	47.4	47			40	40	40	40
24.24	20.1	19.5			19.5	19.5	19.5	19.5
	20.1	20.1			20.1	20.1	20.1	20.1
	20.1	20.1			20.1	20.1	20.1	20.1
	20.1	20.1			20.1	20.1	20.1	20.1

24.25 24.00 23.60 24.00 23.60 24.00 24.25

2425	2424	2424	2424	2424	2424	2424	2424	2424
1.35								
19.32								
9.25								
20.10								

2700 2800
280 800

back Run 4-1-12

23.25 23.00 22.60 23.00 22.60 23.00 23.25

2325	2700	2800						
2887	626	506						
467								
3354								
24.06								
5.50								
33.56								

back 4 24 12

22.25 22.00 21.60 22.00 21.60 22.00 22.25

2225	2100	2200						
2100								
2034								
2634								

back 6-14-12

21.25 21.00 20.60 21.00 20.60 21.00 21.25

N.L. BERMUDA.

2100								
2034								
2634								

DEFOE.

2620 50 NE Pasadito Defoe

W

So. L. Orchard

E

Mon Orchard De Fo

43

29.25 29.00 28.25 29.50 29.40 30.00 30.25

28.87	22.95	22.95	22.95	32.95	32.95	32.95	22.95	32.95
4.14	4.1	3.7	4.2	4.15	4.15	4.15	4.1	4.1
32.95	26.8	19.25	26.25	26.8	26.5	27.4	26.8	27.6
6.65	25.2	20.55	26.9	24.1	26.9	27.2	26.8	28.7
16.30	26.8	25.5	26.2	24.8	26.3	27.2	26.8	27.6
	7.4	7.10	7.7	2.5	2.6	2.4	2.24	2.4

29.08 28.83 28.64 29.25 29.10 29.66 29.91

32.95	32.95	32.95	32.95	32.95	32.95	11-27-11
5.15	6.5	6.15	4.8	5.15	5.4	
27.8	26.4	26.7	26.0	27.1	27.5	6.9, 2.0
27.6	26.9	26.6	26.0	26.2	26.5	
27.6	26.9	26.7	26.0	26.2	26.5	
18.87 min	7.8	7.28	7.17	7.4	7.7	

28.91 28.66 28.43 29.00 28.80 29.33 29.58

18.87 min	29.00	29.00	28.83	29.00	29.33	29.00	29.00	29.00	28.66
5.70	5.27	4.57	5.74	4.91	5.24	6.07	5.57	6.04	5.91
34.07	25.11	25.38	25.00	25.11	25.38	25.00	25.11	25.38	25.00
6.56	6.41	6.24	6.57	6.41	6.24	6.57	6.41	6.24	6.57
28.01	6.41	6.24	6.57	6.41	6.24	6.57	6.41	6.24	6.57

28.74 28.49 28.22 28.75 28.50 28.99 29.24

Weds 4-23-12

28.58 28.33 28.01 28.50 28.20 28.66 28.91

2620 23m	2620	27.00
6.81	5.50	4.10
23.10		

28.41 28.16 27.80 28.25 27.90 28.33 28.58

21.00 24.00	check 6-24-12
4.30	
26.30	

28.25 28.00 27.60 28.00 27.60 28.00 28.25

W.L. PASCADITO

S.O.L. DE / MAY.

35.75 35.50 35.22 35.75 35.40 36.00 36.25

34.83 34.58 34.32 34.87 34.56 35.16 35.41

33.91 33.66 33.43 34.00 33.73 34.33 34.58

32.99 32.74 32.53 33.12 32.89 33.49 33.74

32.08 31.83 31.64 32.25 32.06 32.66 32.91

31.16 30.91 30.74 31.37 31.23 31.83 32.08

30.25 30.00 29.85 30.50 30.40 31.00 31.25

N.L. ORCHARD.

2887 min Orchard \$/fr

2887	3643	3643	3643	364	3643	3643	3643	3643
758	5.1	5.2	4.9	5	4.8	4.9	4.8	4.7
3643	30.4	31.1	31.5	31.4	31.6	31.5	31.7	31.7
1.7	30.4	31.1	31.5	31.4	31.6	31.5	31.7	31.7
34.73	C.6	7.0	2.6	C.3	2.1	7.1	2.1	2.1
1.8								

39.53	3643	3643	3643	3643	364	39.53	11-27-1
4.85	3.6	2.6	2.4	2.4	2.4	2.7	
34.68	32.9	33.0	34.0	32.9	34.4	34.8	
	33.9	33.0	34.0	34.4	34.3	34.8	
	34.9	34.6	34.4	34.4	34.4	34.8	
	2.1	2.1	2.1	2.1	2.1	2.1	
		2.1	2.1	2.1	2.1	2.1	

2887 min

3000	3100	3091	3183	3183	3200	3278	3250
6.7	5.5	5.5	4.8	4.8	2.5	2.6	2.9
3000	3433	3458	3576	3576	3600		
2.7	4.9	1.8	1.2	6.7	6.7		
2.4							
4.2							

3468	364	344	364
4.8	4.6	5.1	4.1
40.66			
2887 min	300	31.0	29.0
	5.1	4.2	6.3

lebs. 4-23-12

2887 min

29.00	34.00
6.31	5.7

1-29 HU

2878	31.75	31.0
6.77	6.54	6.2

2887 min

27.00	30.00	31.0
5.80	5.10	4.60
28.00	28.00	30.00
6.3	5.1	5.5

checked 6-24-12

34.68 20 SE Delmont

So. L. Pacific.

49.25 49.0 48.85 49.50 49.40 50.00 50.25

47.08 46.83 46.66 47.29 47.15 47.75 48.00

44.91 44.66 44.47 45.08 44.90 45.50 45.75

42.74 42.49 42.28 42.87 42.65 43.25 43.50

40.58 40.33 40.09 40.66 40.40 41.00 41.25

38.41 38.16 37.90 38.45 38.15 38.75 39.00

36.25 36.00 35.72 36.25 35.90 36.50 36.75

N. L. DEL MAR

4268
5224
37.44
Bm 37.44 50' m E Del Mar Total
45.22 20 SW 7200
51.50 20 SW "

45

3468 Bm	4268	4265	4268	4268	4269	4269	4266	4268
800	64	712	64	52	4	55	41	14
4268	36.3	35.5	36.3	37.5	38.5	37	38.5	41.5
4268	36.7	36.2	36.4	39.0	41.2	37.0	42.2	43.5
4268	36.3	36.1	36.4	37.5	38.2	37.0	38.6	41.3
4268	2.4	2.7	2.6	2.6	2.2	2.0	2.4	2.2

5220	5220	5220	5220	5220	5220	5220	11-28-11
78	11.2	8.5	4.0	1.0	1.0	1.0	
44.4	40.9	43.7	47.8	51.0	46.8		
45.3	44.9	47.1	48.0	50.2	49.2		
44.0	40.8	43.7	47.8	50.8	46.8		
7.12	2.4	2.4	2.4	2.4	2.4		

4225 HJ	3600	3650	3812	3875	4033	4100	4250	4025
1.91	6.25	5.75	4.69	3.50	1.92	1.24	6.48	7.70
40.34	44.66	45.50	46.85	47.75	49.00			
106.9	6.32	5.48	4.15	3.23	1.98			
50.98	Geo + Run			4-1-12				

5150 5161 55.16
4900 6.11 50.00 5.16
Geo 4-22-12

57.50
4.11
35.61

5687 HJ 4900 4910 5000
787 737 887
3744
4.85
17.29
3600 3625 3650
6.25 6.09 5.79

Checked 6-24-12

W.

DEFOE.

E.

So. I. SANTA CRUZ

300 53.25 53.00 52.85 53.50 53.40 54.00 54.25

250 55.75 55.50 55.35 56.00 55.90 56.50 56.75

200 58.25 58.00 57.85 58.50 58.40 59.00 59.25

150 60.25 60.00 59.85 60.50 60.40 61.00 61.25

100 60.25 60.00 59.85 60.50 60.40 61.00 61.25

100 57.39 57.14 56.99 57.64 57.54 58.14 58.39

50 53.82 53.57 53.42 54.07 53.97 54.57 54.82

20 50.25 50.00 49.85 50.50 50.40 51.00 51.25

N.I. Pacific

Bm 53.06 S.P. Feb 5 6 7 8

46

53.10 Bm	65.21	65.01	65.2	73.40	73.40	73.4	73.40	73.4
12.11	2.10	1.11	1.11	3.60	1.8	8.9	10.7	5.4
65.21	60.21	61.21	63.6	69.60	71.6	64.5	63.3	70.0
65.21	61.21	62.21	64.2	70.60	72.6	65.5	64.3	71.0
65.21	62.21	63.21	65.2	71.60	73.6	66.5	65.3	72.0
11.40	1.0	1.0	1.0	1.50.00	1.2.3	1.6.2	1.0.0	1.8.8

73.40	73.40	73.40	63.48	63.48	63.48	63.48
11.6	8.2	4.7	5.0	2.1	6.4	6.4
68.00	61.8	65.2	58.8	53.8	61.4	6.4
61.0	60.2	58.3	53.8	54.8	57.2	57.2
63.48	61.2	6.8	6.7	6.6	6.5	6.5

11-8-11 647 694E

64.30	64.30	64.30
4.90	13.1	6.5
59.60	58.2	60.2
55.2	58.2	1.0
63.7	64.9	

53.06	53.00	53.00	53.00	53.00	53.00	53.00	53.00	53.00	53.00
11.28	2.5	7.51	6.01	5.61	5.51	5.51	5.51	5.51	5.51
60.30	57.14	58.14	53.57	54.57	54.57	54.57	54.57	54.57	54.57
53.06 Bm	4.57	3.77	7.94	6.94	10.51				
61.54	53.40	54.40	7.19	6.19					

55.61 743	50.00	51.00	52.57	54.57	57.14	58.14	60.00	61.00
1.30	5.41	4.61	2.04	1.04	5.51	4.51	2.69	1.69
53.57	58.00	59.00	53.57	54.57	54.57	54.57	54.57	54.57
7.12	4.6	3.6	7.19	6.19				
62.69								

53.06	53.00	53.32	54.00	60.00	60.50	61.00
8.50	8.00	7.20		1.50	1.00	1.15
61.50	59.00	50.50	51.00	Checked	6-24-12	
6.51	6.57	6.57	6.57			
1.62						
56.87						

W. S.O.L. DEL MONTE E.

36.25	36.00	35.85	36.50	36.40	37.00	37.25
38.91	38.66	38.51	39.16	39.06	39.66	39.91
41.58	41.33	41.18	41.83	41.73	42.33	42.58
44.24	43.99	43.84	44.49	44.39	44.99	45.24
46.91	46.66	46.51	47.16	47.06	47.66	47.91
49.58	49.33	49.18	49.83	49.73	50.33	50.58
52.25	52.00	51.85	52.50	52.40	53.00	53.25

N.L. SANTA CRUZ

36.73 Bm	46.67	48.17	48.67	48.67	48.67	48.67	48.67
11.94	11.1	13.2	12.1	9.2	8.5	1.80	
48.67	37.6	35.2	38.9	39.7	40.2	36.7	
	37.24	36.2	36.6	39.4	40.2	41.6	
	2.3	71.00	2.2	2.2	2.2	36.7	
	48.67	48.67	48.67	48.67	48.67	48.67	48.67
10-21-11	1.9	2.2	10.2	8.7	4.2	2.0	3.2
	2.78	4.3	4.4	3.0	4.0	4.4	4.6
8946	4.12	4.5	4.79	4.54	4.86	4.6	5.22
	2.7	4.3	4.4	3.0	4.0	4.4	4.6
	26.4	28.0	7.65	7.69	7.96	7.6	7.9
5306 Bm	52.2		36.73	36.0	37.0		
577	6.83		3.98	4.6	3.8		
58.83	35.0	36.0	40.68	41.0	41.67		
36.73	35.5	37.0				42.6	5.2
40.28	48.98	49.4				42.6	48.25
						42.6	48.25
5306 Bm	52.00	53.00	49.33	50.33	46.66	47.66	48.66
1.05	3.05	2.05	3.72	4.72	8.37	7.37	1.80
52.05	41.33	42.33	38.66	39.66	36.00	37.00	
15.42	4.99	1.91	5.54	4.54	7.24	7.24	
42.17							
1.65							
44.24							
36.73	36.0	36.52	37.0				
5.85	4.7	4.0	3.4				
40.18	35.0	35.0	26.0				

Checked 6-24-11

W.

E.

So. L. NATTAPANSEH.

31.25 31.00 30.85 31.50 31.40 32.00 32.25

31.91 31.66 31.51 32.16 32.06 32.66 32.91

32.58 32.33 32.18 32.83 32.73 33.33 33.58

33.24 32.99 32.84 33.49 33.39 33.99 34.24

33.91 33.66 33.51 34.16 34.06 34.66 34.91

34.58 34.33 34.18 34.83 34.73 35.33 35.58

35.25 35.00 34.85 35.50 35.40 36.00 36.25

N. L. DEL MONTE.

31.98 20' NE HAWAIIAN

31.98 Bm

38.78	38.78	38.78	38.78	38.78	38.78	38.78	38.78
5.8	5.3	6.5	5.8	4.9	4.3	5.2	5.2
33.0	33.5	34.3	33.0	33.9	34.5	34.4	34.4
32.25	32.9	33.3	32.85	33.2	34.05	33.3	33.3
36.75	6.7	6.6	31.9	6.4	33.2	34.05	33.3
					6.3	6.2	6.1
38.78	38.78	38.78	38.78	38.78	38.78		
5.2	5.8	5.2	4.7	3.7	2.6		6.94E
33.6	35.0	35.6	34.1	35.0	34.6		
33.9	34.9	35.6	34.1	35.0	34.6		
30.6	6.1	6.1	7.3	7.2	6.4		6.47
7.3							

31.94 Bm

31.00	32.00	33.00	34.00	35.00	36.00	37.00	38.00
3.58	4.88	4.58					
36.25	36.25	36.25	36.25	36.25	36.25	36.25	36.25
4.91							
37.68	37.00	36.00	35.00	34.00	33.00	32.00	31.00
8.69	2.68	3.48	4.64	5.31	4.35	6.01	5.01
31.0479	33.00	34.00	35.00	36.00	37.00	38.00	39.00
2.35	6.61	5.14	7.21	6.61	8.04	5.01	8.65
33.3943							

31.98 Bm

34.00	35.00	36.00	37.00	38.00	39.00	40.00	41.00
5.30	4.50	4.50					
35.30	31.00	31.00	32.00	32.00	33.00	33.00	34.00
	7.00	5.00	3.00				

Chacka 6-24-12

DEFOE ST.

W.

E.

So L. NIAGARA.

26.25 26.00 26.85 26.50 26.40 27.00 27.25

26.91 26.66 26.51 27.16 27.06 27.66 27.91

27.58 27.33 27.18 27.83 27.73 28.33 28.58

28.24 27.99 27.84 28.49 28.39 28.99 29.24

28.91 28.66 28.51 29.16 29.06 29.66 29.91

29.58 29.33 29.18 29.83 29.73 30.33 30.58

30.25 30.00 29.85 30.50 30.40 31.00 31.25

N. L. NATYAGANSETH

31.75 20 2E Defoe Niagara
27.74 20 SW " Niagara

49

35.82	35.82	35.82	35.82	35.82	35.82	35.82	35.82
31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
27.74	27.74	27.74	27.74	27.74	27.74	27.74	27.74

1774 Bm
26.00 27.00
6.00
4-29-12

33.09	30.00	31.00	29.33	30.33	28.66	29.66	28.00	29.00
3.39	3.39	2.39	4.00	3.06	4.73	3.73	3.09	4.30
27.33	26.33	26.66	27.66	27.66	26.66	27.66	26.66	27.66
6.00	5.66	6.73	5.73	7.39	6.09	6.19-12		

16.00
5.00
31.00
view 26.50 27.00
2.30 5.40 11.70
checked 6-24-12

14' Embs

S.O.L. NEWPORT

25.25 25.00 24.85 25.50 25.40 26.00 26.25

25.41 25.16 25.01 25.66 25.56 26.16 26.41

25.58 25.33 25.18 25.83 25.73 26.33 26.58

25.74 25.49 25.34 25.99 25.89 26.49 26.74

25.91 25.66 25.51 26.16 26.06 26.66 26.91

26.08 25.83 25.68 26.33 26.23 26.83 27.08

26.25 26.00 25.85 26.50 26.40 27.00 27.25

N.I. NIAGARA

27.74 20' SW Niagara

25.33 20' SW Niagara

50

27.74	27.31	27.31	27.31	27.31	27.31	27.31	27.31	27.31	27.31
4.57	4.6	4.8	5.0	5.8	6.1	6.3	6.3	6.3	6.6
32.31	26.7	27.5	27.3	26.5	26.3	27.0	26.7	26.7	25.7
6.99	26.5	27.5	27.2	26.9	26.9	26.9	26.9	26.9	25.7
55.33	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.0

32.31	32.31	32.31	32.31	32.31	32.31
1.3	5.18	5.8	6.5	7.0	5.8
26.0	26.5	26.4	26.4	26.2	26.5
2.4	2.6	2.4	2.4	2.1	2.6
C.5	0.0	0.0	0.0	C.1	C.35C

12-6-11

25.33	25.00	26.00	28.33	25.00	26.00
4.12	4.45	3.4	4.55	4.84	3.88
29.45			29.88	66	4.29.12

26.00	26.00	26.00	25.83	26.83	25.66	26.66
4.48	4.48	4.48	4.65	3.65	4.82	3.86
30.48						
25.49	26.48	25.33	26.33	25.16	26.16	25.00
3.00	4.00	3.83	5.33	5.33	4.00	5.00
						4.88

25.00	25.50	26.00
2.11	4.65	4.75

Checked 4-24-12

25.00
2.11
27.11

So. I. SANTA MONICA.

2425 24.00 23.72 2425 23.90 24.50 24.75

2441 24.16 23.90 2445 24.15 24.75 25.00

2458 24.33 24.09 2466 24.40 25.00 25.25

2474 24.49 24.28 2487 24.65 25.25 25.50

2491 24.66 24.47 2508 24.90 25.50 25.75

2508 24.83 24.66 2529 25.15 25.75 26.00

2525 25.00 24.85 2550 25.40 26.00 26.25

N.I. NEWPORT.
(14' curbs)

2533
30.64
30.64
5.53

30.64
30.64
25.0
26.2
25.9
7.12
7.3

2533 20 Sw Newport 40 ft
2711 Top Post

51

30.64 27.64 30.64 30.64
4.9 5.9 6.3
25.7 24.7 24.4
6.0 5.1 4.9
2.7 2.7 2.6
7.3 7.4 7.5

30.64 30.64 30.64 30.64 30.64 30.64 30.64 30.64
5.0 6.2 6.2 5.0 4.8 6.2 5.9 6.2
25.6 24.4 24.4 25.6 25.8 24.6 24.7 25.8
2.5 2.4 2.4 2.5 2.5 2.4 2.4 2.7
C.1 2.4 2.2 C.4 C.8 C.1 C.5 C.1

2711 Bm Post
162
2877

2420 24.50
4.77 4.27

4-29-12

2550 Bm
5.26
20.26

2520 24.83
5.76 4.36 5.43

25.25 24.66 25.50 25.50 25.66
4.54 5.20 4.76 5.76 4.01

2711
151
2902

2433 25.00 24.47
4.69 4.00 4.86 4.27

2400 24.10 24.10
5.00 4.50

Post 6-22-12

2711
144
2907

2420 24.25 24.50
5.00 5.26 5.01

Black Red 6-24-12

S.O.L. SATATOGA.

25.25 25.00 24.72 25.25 24.90 25.50 25.75

25.08 24.83 24.55 25.08 24.73 25.33 25.55

24.91 24.66 24.38 24.91 24.56 25.16 25.41

24.74 24.49 24.21 24.74 24.39 24.99 25.24

24.58 24.33 24.05 24.58 24.23 24.83 25.08

24.41 24.16 23.88 24.41 24.06 24.66 24.91

24.25 24.00 23.72 24.25 23.90 24.50 24.75

N.W. SANTA MONICA

27.11 Bm 702 Jones
24.13 " - 20 S W Santa Monica

52

27.11	30.78	30.78	30.78	30.78	30.78	30.78	30.78
3.67	6.2	5.0	5.1	6.3	6.3	4.8	4.6
30.78	24.16	25.8	25.7	24.5	24.5	26.0	26.4
6.64	2.4	2.9	2.9	2.6	2.6	2.5	2.4
24.13	30.78	30.78	30.78	30.78	30.78	30.78	30.78
5.75	6.2	6.3	4.9	4.6	4.6	4.6	4.6
24.91	24.9	24.5	24.5	24.5	24.5	24.5	24.5
	2.4	2.5	2.6	2.6	2.6	2.6	2.6
	2.4	2.5	2.6	2.6	2.6	2.6	2.6
	2.4	2.5	2.6	2.6	2.6	2.6	2.6

27.11 24.13 25.00 25.30 11 30 - 12
5.0 5.97 5.10 4.60
2.9 2.10
24.74
27.11 Bm
24.74
29.07

24.41	24.51	24.11	24.61	24.31	24.81	24.91	24.21
5.54	5.01	5.25	4.85	5.18	4.68	4.04	4.31
24.66	24.16	24.83	24.33	24.99	24.49	24.74	24.24
4.85	4.35	4.68	4.08	4.21	4.11	4.11	4.11

25.00 25.28 25.50
5.00 5.25 5.00
checked 6-24-12

2.50
2.00

So. I. CAPE MAY.

24.25 24.00 23.72 24.25 23.90 24.50 24.75

24.41 24.16 23.88 24.41 24.06 24.66 24.91

24.58 24.33 24.05 24.58 24.23 24.83 25.08

24.74 24.49 24.21 24.74 24.39 24.99 25.24

24.91 24.66 24.38 24.91 24.56 25.16 25.41

25.08 24.83 24.55 25.08 24.73 25.33 25.58

25.25 25.00 24.72 25.25 24.90 25.50 25.75

N. I. SATATOGA.

24.13 ✓ 20 SW Satatoga
24.40 ✓ 20 SW 6M+

53

2991 142	2991	2991	2991	2991	2991	2991	2991	2991	2991
54	54	44	44	57	57	48	48	46	46
24.4	24.4	25.5	25.5	24.2	24.2	24.4	24.4	25.5	25.5
2.8	2.8	2.2	2.2	2.1	2.1	2.1	2.1	2.0	2.0
2.8	2.8	2.2	2.2	2.1	2.1	2.1	2.1	2.0	2.0

2991	2991	2991	2991	2991	2991
47	47	44	44	47	47
24.2	24.2	25.3	25.3	24.4	24.4
2.1	2.1	2.0	2.0	2.0	2.0
2.1	2.1	2.0	2.0	2.0	2.0

12-6-11

2415	2500	2570	2600	2640	2600	2650
6.8	5.0	4.7	3.9	7.5	6.9	4.4
30.2			28.7	28.9		
				3.6		
				15.3		
				29.1		

25.00

2500	2570	2600	2640	2600	2650
4.7	4.7	4.7	4.7	4.7	4.7
24.3	24.3	24.6	24.6	24.7	24.7
5.4	4.2	2.1	5.1	2.5	2.5

24.00

2400	2425	2450	
5.0	5.2	5.0	

24.00

24.00

24.00

checked 6-20-11

W.

DE FOE.

E

Soil. Brighton.

2525 25.00 2472 2525 2490 25.50 25.75

2508 24.83 2455 2508 2473 25.38 25.58

2491 24.66 2438 2491 2456 25.16 25.41

2474 24.49 2421 2474 2439 24.99 25.24

2458 24.33 2405 2458 2423 24.83 25.08

2441 24.16 2388 2441 2406 24.66 24.91

2425 24.00 2372 2425 2390 24.50 24.75

N. I. CAPE MAY.

2440 20'8" bmt 9.2

54

2440	2055	2055	2055	2055	2055	2055	2055	2055
6.5	5.7	5.3	4.9	5.3	5.7	6.1	4.7	5.4
249	25.3	25.7	25.3	25.3	25.3	26.0	26.0	25.7
249	26.7	24.9	24.9	24.9	24.6	25.1	25.2	24.9
C.7	C.6	C.8	C.7	C.7	C.6	C.9	2.4	C.4
2055	2055	2055	2055	2055	2055	2055	2055	2055
4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
25.6	26.4	26.6	25.6	25.9	26.6	26.6	26.6	26.6
24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
C.7	C.10	C.10	C.7	C.7	C.7	C.7	C.7	C.7
12-6-11								

2417 H.S

2500 25.00
4.7 5.07

Checked 6-24-12

Back Prop High R/R

64

65

87

88

68

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05

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798

TRAVERSE TABLE FOR TRANSIT BOOK.
From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0	99.98	1.75	100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.94	3.49	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.86	5.23	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	6.98	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	8.72	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	10.45	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	12.19	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	13.92	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	15.64	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	17.36	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	19.08	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	20.79	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	22.50	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	24.19	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	25.88	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	27.56	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	29.24	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	30.90	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	32.56	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	34.20	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	35.84	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	37.46	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	39.07	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	40.67	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	42.26	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	43.84	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	45.40	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	46.95	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	48.48	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	50.00	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	51.50	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	52.99	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	54.46	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	55.92	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	57.36	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	58.78	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	60.18	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	61.57	79.60	60.53	79.34	60.88	79.07	61.22	52
38	78.80	62.93	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	64.28	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	65.61	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	66.91	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	68.20	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	69.47	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	70.71	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71		70.71						
Degrees.	DEGREES		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	

Handwritten calculations and notes on the left page of the notebook, including numbers like 60, 24, 3.8, 1346, 1060, 280, 3004, 123, 3127, 26, 5.27, 2887, 385, 3272, 805, 2467, 2540, 6, 19.4, 2557, 0.5, 2773, 2630, 5.93, 3093, 4.97, 26.44, 28.4, 260, 2.04, 14, 2207, 1407, 6.60.