

311

400

LEVEL

F.B. 311

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 $\frac{1}{3}$	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

MICROFILMED

TABLE FOR RUNNING ON SLOPES.

DEC 1 1964

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
°		°		°		°	
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

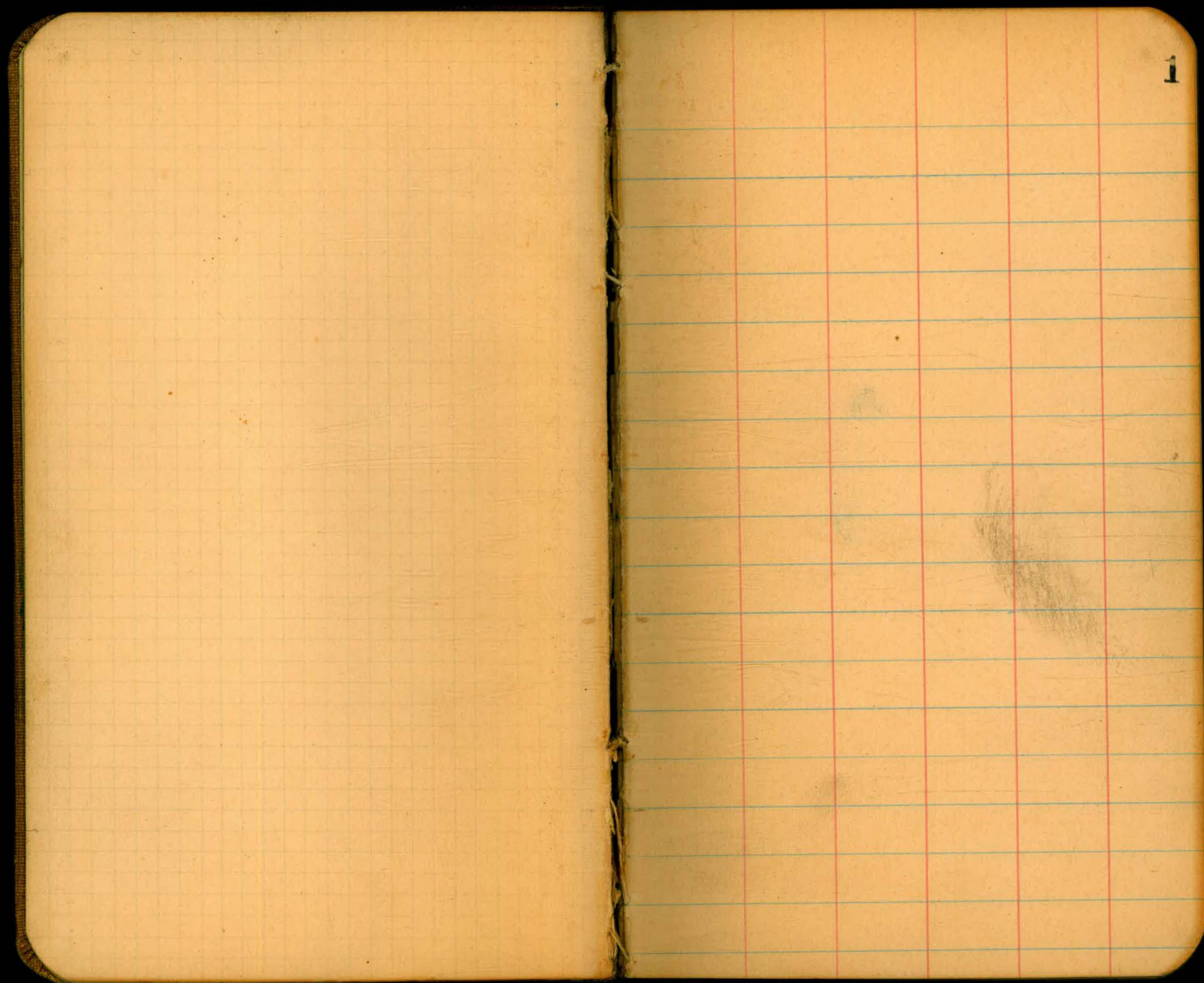
Index

Xsec Brighton Ocean - Guizot 2

Xsec Bacon 200's Brighton - Long Branch 30

Xsec Long Branch 2nd St west 35

Xsec Froude Brighton - Del Mar 42



cross section of Brighton (60')

Ocean to 7th (Guizot)

	214	931	707	130
	2nd	2nd	2nd	1st
22		4.4	4.9	
bl		4.4	4.9	
7		4.8	4.5	
6		4.4	4.9	
7		4.6	4.7	
bl		4.8	4.5	
SL		4.7	4.6	
	50'	2nd	2nd	1st
SL		5.0	4.3	
bl		5.0	4.3	
7		5.0	4.3	
6		4.4	4.9	
7		5.2	4.1	
bl		4.7	4.6	
22		4.9	4.4	

2.31

Brighton

2

100' W of 2nd st

22	5.0	4.3
bl	4.9	4.4
7	5.3	4.0
6	4.8	4.5
7	5.4	3.9
bl	5.5	4.0
SL	5.2	4.1

POSTED

130' W of 2nd st

SL	5.0	3.7
bl	5.6	3.7
7	6.0	3.3
6	5.3	4.0
7	5.8	3.5
bl	5.5	3.8
22	5.5	3.8

931

200' W of 2nd st

22	5.8	3.5
bl	6.0	3.3
4	6.2	3.1
6	5.7	3.6
9	6.3	3.0
bl	5.8	3.5
SL	5.8	3.5

250' W of 2nd st

SL	6.2	3.1
bl	6.0	3.3
4	6.5	2.8
6	5.8	3.5
9	6.5	2.8
bl	6.0	3.3
22	6.2	3.1

TP	460	7.88	6.0	3.25
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7.88

300' W of 2nd st

22	4.9	3.0
bl	4.6	3.3
4	5.2	2.7
6	4.8	3.1
9	5.0	2.9
bl	4.8	3.1
SL	4.9	3.0

350' W of 2nd st

SL	5.2	2.9
bl	5.1	2.8
4	5.3	2.6
6	4.9	3.0
9	5.5	2.4
bl	5.0	2.9
22	5.1	2.4

7.88

400' W of 2nd st

NL	50	2.9
bl	50	2.9
g	54	2.5
b	49	3.0
g	50	2.9
bl	48	3.1
SL	48	3.1

450' W of 2nd st

SL	50	2.9
bl	50	2.9
g	50	2.9
b	48	3.1
g	52	2.6
bl	49	3.0
NL	48	3.1

7.88

Brighton

4

490' W of 2nd st

NL	47	3.2
bl	47	3.2
g	45	3.4
b	42	3.7
g	40	3.9
bl	40	3.9
SL Sand Bank	32	4.7

500' west 2nd st

NL	48	3.1
	49	3.0

550' W 2nd st

NL	43	3.6
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600' W 2nd st 1st st

NL	300	4.9
----	-----	-----

Sand S of wharf 15' high

12.88

Brighton

5

No. of 2nd st (60')

center of 2nd st

5.91 12.88

7.07

7.2

7.6

5.4

7.2

8.2

4.8

6.6

7.4

5.6

6.6

8.2

4.3

"

7.8

5.2

4

8.2

4.8

6

7.7

5.3

6

8.0

5.0

"

8.2

4.8

4

8.8

4.2

6.6

8.2

4.8

6.6

8.4

4.6

5.2

8.3

4.7

5.2

8.4

4.6

E 1/4 of

2nd st

W 1/4 of

2nd st

5.2

8.0

5.0

5.2

8.4

4.6

6.6

8.1

4.9

6.6

8.4

4.6

"

8.2

4.8

4

8.2

4.8

6

7.7

5.3

6

8.9

4.1

4

8.0

5.0

4

8.2

4.8

6.6

8.2

4.8

6.6

8.3

4.7

7.2

8.2

4.8

7.2

8.2

4.8

1298

Ebb of 2nd st

h2	7.6	5.4
bl	7.6	5.4
y	8.3	4.7
b	7.6	5.4
y	8.3	4.7
bl	8.0	5.0
sl	7.8	5.2

E line of 2nd st

sl	8.0	5.0
bl	7.9	5.1
y	7.8	5.5
b	7.5	5.5
y	8.0	5.0
bl	7.5	5.5
h2	7.6	5.4

1298

Brighton

6

50' E of 2nd st

h2	6.9	6.1
bl	7.0	6.0
y	7.4	5.6
b	6.8	6.2
y	7.2	5.8
bl	7.3	5.7
sl	7.3	5.7

90' E of 2nd st

sl	6.3	6.7
bl	6.3	6.7
y	6.0	7.0
b	5.7	7.3
y	6.2	6.8
bl	6.0	7.0
h2	5.9	7.1

East line of Ocean Beach Extension

1298
Brighton is 80' west E of Ocean Beach Ex
100' E of 2nd st

nd	5.9	7.1
bl	5.7	7.3
y	6.0	7.0
b	6.1	6.9
y	5.8	7.2
bl	6.6	6.4
sl	6.3	6.7

180' E of 2nd st

sl	5.4	7.6
bl	5.4	7.6
y	5.3	7.7
b	5.2	7.8
y	5.0	8.0
bl	5.1	7.9
nd	4.7	8.3

1298 Brighton

200' E of 2nd st

nd	4.0	9.0
bl	4.1	8.9
y	4.2	8.8
b	4.2	8.8
y	4.2	8.8
bl	4.3	8.7
sl	4.2	8.8

250' E of 2nd st

sl	3.6	9.4
bl	3.8	9.2
y	3.7	9.3
b	3.7	9.3
y	3.5	9.5
bl	3.5	9.5
nd	3.6	9.4

TP 7.32 1684 3.46 9.52

1684

300' E of 2nd st

22	6.7	10.1
bl	6.7	10.1
y	6.7	10.1
b	6.7	10.1
y	6.9	9.9
bl	6.7	10.1
S2	6.9	9.9

350' E of 2nd st

S2	6.2	10.6
bl	6.0	10.8
y	6.2	10.6
b	6.2	10.6
y	6.0	10.8
bl	6.0	10.8
22	6.0	10.8

1684

Brighton

8

400' E of 2nd st

22	5.3	11.5
bl	5.1	11.7
y	5.4	11.4
b	5.2	11.6
y	5.5	11.3
bl	5.6	11.2
S2	5.6	11.2

450' E of 2nd st

S2	4.8	12.0
bl	4.7	12.1
y	4.7	12.1
b	4.7	12.1
y	4.7	12.1
bl	4.7	12.1
22	4.6	12.2

1684.

500' E of 2nd st

22	38	13.0
bl	40	12.8
y	40	12.8
b	39	12.9
y	40	12.8
bl	42	12.6
S2	40	12.8

550' E of 2nd st

S2	33	13.5
bl	32	13.6
y	34	13.4
b	33	13.5
y	34	13.4
bl	33	13.5
22	32	13.6

1684

Brighton

9

600' E = W 2' of 3rd st (60')

22	32	13.6
bl	26	14.2
"	25	14.3
b	26	14.2
y	28	14.0
bl	30	13.8
S2	27	14.1

70 7.75 2.88 2.71 14.13

W 66' of 3rd st

S2	75	14.4
bl	76	14.3
y	79	14.0
b	76	14.3
y	79	14.0
bl	78	14.1
22	78	14.1

21.88

W 1/4 of 3d 22

22	82	13.7
bl	83	13.6
"	76	14.3
b	76	14.3
y	75	14.4
bl	75	14.4
SR	74	14.5

center of 3d 22

SR	75	14.4
bl	74	14.5
y	74	14.5
b	74	14.5
"	74	14.5
bl	74	14.5
22	84	13.5

21.88

Brighton

10

E 1/4 of 3d 22

22	70	14.9
bl	73	14.6
y	73	13.6
b	73	14.6
y	73	14.6
bl	83	13.6
SR	56	16.3

E bl of 3d 22

SR	60	15.9
bl	55	16.4
y	53	16.6
b	76	14.3
y	80	13.9
bl	70	14.9
22	69	15.0

2188

E of 3d st

22 73 15.5
14.6

bl 75 14.4

7 50 16.9

6 50 16.9

7 60 15.9

bl 73 14.6

SL 70 14.9

Bm 704 14.7

70 E of 2d

22 73 14.6

15' E of 3d

22 44 17.5

35' E of 3d

22 73 14.6

old RR

2188

Brighton

11

50' E of 3d st

22 64 15.5

bl 62 15.7

7 62 15.7

6 62 15.7

7 64 15.5

bl 63 15.6

SL 62 15.6

100' E of 3d st

SL 59 16.0

bl 59 16.0

7 56 16.3

6 55 16.4

7 58 16.1

bl 59 16.0

22 58 16.1

21.88

150'

E 40

3 9 25

22

50 16.9

46

50 16.9

4

49 17.0

6

50 16.9

4

52 16.7

46

50 16.9

52

50 16.9

200'

E 40

3 9 25

52

43 17.6

46

42 17.7

4

43 17.6

6

43 17.6

4

40 17.9

46

41 17.8

22

40 17.9

22

21.88

250'

E 40

3 9 25

22

28 19.1

46

26 19.3

4

27 19.2

6

30 18.9

4

34 18.5

46

37 18.2

52

35 18.4

70

9,70

2838

3,20 18.68

300'

E 40

3 9 25

52

84 20.0

46

83 20.1

4

82 20.1

6

85 19.9

4

81 20.3

46

82 20.2

22

80 20.4

28.28

350' E of 3d

22	67	21.7
bl	73	21.1
y	68	21.6
b	71	21.3
y	73	21.1
bl	73	21.1
SL	73	21.1

400' E of 3d

SL	62	22.2
bl	62	22.2
y	62	22.2
b	61	22.3
y	61	22.3
bl	62	22.2
22	61	22.3

28.28

450' E of 3d

22	50	23.4
bl	50	23.4
y	50	23.4
b	51	23.3
y	52	23.1
bl	52	23.1
SL	54	23.0

500' E of 3d

SL	46	23.8
bl	44	24.0
y	44	24.0
b	42	24.2
y	42	24.2
bl	44	24.0
22	44	24.0

Bright

13

2838

530' E of S d st

n2	34	25.0
b	36	24.8
"	36	24.8
b	36	24.8
"	36	24.8
bl	36	24.8
SL	36	24.8

600' E = n2 4 st n(60')

BL	280	25.58 ⁶³ / Bm
bl	2.8	25.6
"	2.9	25.5
b	2.6	25.8
"	2.8	25.6
bl	2.8	25.6
n2	2.4	26.0

TP 725 3288 25.63 Bm

3288

Brighton

14

n2 lb of 4 st st

n2	66	26.3
bl	69	26.0
"	70	25.9
b	70	25.9
"	73	25.6
bl	69	26.0
SL	69	26.0

n 1/4

SL	69	26.0
bl	70	25.9
"	70	25.9
b	67	26.2
"	67	26.2
bl	67	26.2
n2	67	26.2

32.88

center of pit st

N2	64	26.5
L	64	26.3
"	66	26.3
b	66	26.3
"	67	26.2
bl	68	26.1
S2	68	26.1

E 1/4 of pit st

S2	64	26.3
bl	63	26.6
"	65	26.4
b	64	26.5
"	62	26.7
bl	65	26.4
N2	64	26.5

32.88

Brighton

15

E. Bl. of pit st

N2	62	26.7
bl	64	26.5
"	60	26.9
b	62	26.6
"	65	26.4
bl	61	26.8
S2	59	27.0

E line of pit st

S2	64	26.5
bl	63	26.6
"	62	26.7
b	64	26.5
"	61	26.8
bl	62	26.7
N2	63	26.6

32.84

1

50'

E of

4th

25'

n2

50

27.9

bl

53

27.6

y

56

27.3

b

56

27.3

y

58

27.1

bl

56

27.3

SL

53

27.6

100'

E of

4th

25'

SL

50

27.9

bl

50

27.9

y

51

27.8

b

48

27.1

y

50

27.9

bl

48

28.1

n2

44

28.5

32.88

Brighton

16

150'

E of

4th

25'

n2

44

28.5

bl

47

28.2

y

44

28.5

b

47

28.2

y

47

28.2

bl

45

28.4

SL

47

28.2

200'

E of

4th

25'

SL

46

28.3

bl

45

28.4

y

44

28.5

b

44

28.5

y

42

28.7

bl

42

28.7

n2

42

28.7

32.88

250' E of 402 20

22	42	28.7
ll	40	28.9
4	44	28.5
6	38	29.1
4	44	28.5
ll	42	28.7
52	45	28.4

300' E of 402 20

52	48	28.1
ll	46	28.3
4	40	28.9
6	40	28.9
4	40	28.9
ll	42	28.7
22	40	28.9

TP 11.14 32.67 435 28.53

39.67

Brighton

17

350' E of 402 20

22	110	28.7
ll	110	28.7
4	110	28.7
6	107	29.0
4	113	28.4
ll	114	28.3
52	113	28.4

400' E of 402 20

52	111	28.6
ll	110	28.7
4	110	28.7
6	104	29.3
4	108	28.9
ll	114	29.3
22	107	29.0

39.67

450'	E of	4th	10
nl		9.8	29.9
bl		9.9	29.8
y		10.0	29.5
b		10.0	29.7
y		10.0	29.7
bl		10.0	29.7
sl		9.8	29.9

500'	E of	4th	10
sl		8.0	31.7
bl		8.3	31.4
y		8.3	31.4
b		8.2	31.5
y		8.2	31.5
bl		8.3	31.4
nl		8.4	31.3

39.67

Brighton

18

450'	E of	4th	10
nl		6.9	32.8
bl		6.8	32.9
y		6.6	33.1
b		6.7	33.0
y		6.8	32.9
bl		6.4	33.3
sl		6.5	33.2

600'	E =	W 2 of	5th (60')
sl		4.72	34.95
bl		4.6	35.1
y		5.3	34.4
b		5.1	34.6
y		5.0	34.7
bl		5.0	34.7
nl		5.4	34.3

glens st

58.13m 5th

5th & B

3967

w 1/4 of 5-24 25

n 1	50	34.7
bl	49	34.8
9	48	34.9
1	46	35.1
4	48	34.9
bl	45	35.2
SL	44	35.3

w 1/4 of 5-24 25

SL	42	35.5
bl	44	35.3
9	47	35.0
1	46	35.1
4	46	35.1
bl	47	35.0
n 2	48	34.9

3967

Brighton

19

center of 5-24 25

n 1	48	34.9
bl	45	35.2
9	42	35.5
1	42	35.5
4	40	35.7
bl	41	35.6
SL	38	35.9

E 1/4 of 5-24 25

SL	36	36.1
bl	38	35.9
9	40	35.7
1	41	35.6
4	40	35.7
bl	40	35.7
n 2	43	35.4

3967

Ebb of 5-11 st

22 40 35.7

16 41 35.6

17 39 35.8

6 36 36.1

17 36 36.1

16 36 36.1

52 27 36.3

Ebb of 5-11 st

52 26 36.1

16 27 36.4

17 26 36.1

6 26 36.1

17 24 36.3

16 26 36.1

22 29 35.8

Bingh

20

50' E of 5-11 st

9.63 44.61 34.98

22 73 37.3

16 74 37.2

17 72 37.4

6 72 37.4

17 71 37.5

16 71 37.5

52 68 37.8

100' E of 5-11 st

52 52 39.4

16 53 39.1

17 58 38.8

6 57 38.9

17 59 38.7

16 62 38.4

22 63 38.3

BM just
4 B

44.61

130' E of 5th st

h2	5.0	39.6
bb	4.8	39.8
y	4.6	40.0
b	4.5	40.1
y	4.7	39.9
bb	4.2	40.4
SL	5.7	41.9

TP	1173	5361	2.73	41.88
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200' E of 5th st

SL	11.1	42.5
bb	11.4	42.2
y	11.6	42.0
b	11.6	42.0
y	11.4	42.2
bb	11.7	41.9
h2	12.0	41.6

5361

Brighton

21

250' E of 5th st

h2	9.6	44.0
bb	9.6	44.0
y	9.4	44.2
b	9.3	44.3
y	9.5	44.1
bb	9.3	44.3
SL	9.2	44.4

300' E of 5th st

SL	6.3	47.3
bb	6.6	47.0
y	6.6	47.0
b	6.9	46.7
y	6.9	46.7
bb	6.9	46.7
h2	6.9	46.7

5361

350' E of 5-12 25

nl		43	49.3
bl		50	48.6
y		41	49.5
b		39	49.7
y		33	50.3
bl		34	50.2
S2		34	50.2

400' E of 5-12 25

S2		0.9	52.7
bl		0.5	53.1
y		0.9	52.7
b		1.0	52.6
y		1.2	52.3
bl		1.3	52.3
nl		2.0	51.6

TP	1258	6457	1.68	51.93
----	------	------	------	-------

6457

Brighton

22

450' E of 5-12 25

nl		10.5	54.0
bl		10.2	54.3
y		10.0	54.5
b		9.9	54.6
y		9.5	55.0
bl		8.8	55.7
S2		8.5	56.0

500' E of 5-12 25

S2		6.1	58.4
bl		6.7	57.8
y		7.4	57.1
b		7.2	57.3
y		8.0	56.5
bl		8.3	56.2
nl		8.5	56.0

645-1

	550'	E of 5th st	st
nd		69	57.6
bl		62	58.3
y		58	58.7
b		53	59.2
y		50	59.5
bl		45	60.0
sd		38	60.7

	600'	E =	nd	6th st (60')
sd			26	61.9 ^{62.1}
bl			26	61.9
y			24	61.1
b			30	60.9
y			42	60.3
bl			49	59.6
nd			59	58.6 ^{59.7}

645-1

Brighton

23

	W 1/4 of	6th st	st
nd		57	58.8
bl		52	59.3
y		44	60.1
b		37	60.8
y		36	60.9
bl		26	61.9
sd		23	62.2

	W 1/4 of	6th st	st
sd		20	62.5
bl		25	62.0
y		31	61.4
b		30	61.5
y		29	60.6
bl		46	59.9
nd		53	59.2

6451

center of bet st

22	5.3	59.2
bl	4.7	59.8
y	4.1	60.4
b	3.2	61.3
y	2.8	61.7
bl	2.5	62.0
S2	1.5	63.0

E 1/4 of bet st

S2	1.1	63.4
bl	2.0	62.5
y	2.4	62.1
b	2.6	61.9
y	3.7	60.8
bl	4.3	60.2
22	5.1	59.4

6451

Brighton

24

E 1/4 of bet st

22	5.0	59.5
bl	4.4	60.1
"	3.7	61.1
b	2.6	61.9
y	2.8	62.1
bl	1.8	62.7
S2	0.8	63.7

E 1/4 of bet st

S2	0.6	63.9
bl	1.5	63.0
y	1.8	62.7
b	2.6	61.9
y	3.4	61.1
bl	4.2	60.3
22	4.8	61.1 59.7

Bm 1028 72.23 252 61.95 SW H
G+B

72.33

50' E of 6th

S.L.

65-	65.8
72	65.1
75-	64.8
79	64.4
84	63.9
97	62.6
105-	61.8

98 E of 6th

85	63.8
76	64.7
68	65.5
56	66.7
50	67.3
49	67.4
40	68.3

Brighton is 60' wide East of
this point W side of

72.33

Brighton

Brighton is 60' wide East of 25
100' E of 6th at 60'

52	41.0	68.3
46	46	67.7
47	47	67.6
5-	5-	67.1
60	60	66.3
66	66	65.7
72	72	65.0

150' E of 6th at

57	57	66.6
50	50	67.3
44	44	68.9
35-	35-	68.8
28	28	69.5
26	26	69.7
15-	15-	70.8

TP 1248 82.10 271 69.62

82.10

	200'	E of	6 ft	20'
SL			9.2	72.9
			10.1	72.0
y			10.2	71.9
b			10.8	71.3
y			11.6	70.5
bl			12.3	69.8
SL			12.8	69.3

	250'	E of	6 ft	11'
SL			10.1	72.0
bl			9.3	72.8
y			8.5	73.6
b			8.0	74.1
y			7.4	75.7
bl			7.2	74.9
SL			6.4	75.7

82.10

Bry. H.

26

	300'	E of	6 ft	20'
SL			3.2	78.9
bl			3.7	78.4
y			4.4	77.7
b			4.6	77.5
y			5.2	76.9
bl			5.6	76.5
SL			6.4	75.7

TP	12.60	92.61	2.09	80.01
	350'	E of	6 ft	11'
SL			12.4	80.2
bl			11.7	80.9
y			11.0	81.6
b			10.6	82.0
y			10.8	81.8
bl			9.9	82.7
SL			9.5	83.1

92.61

400'

E of

6th st

SL		5.1	87.5
bl		5.9	86.7
y		6.4	86.2
b		6.1	86.5
y		6.6	86.0
bl		6.8	85.8
SL		7.2	85.4

450'

E of

6th st

SL		3.3	89.3
bl		2.6	90.0
y		2.0	90.5
b		1.9	90.7
y		1.9	90.8
bl		1.2	91.4
SL		0.7	91.9

TP

12.08

104.06

0.63

91.98

104.06

Bright

27

500'

E of

6th st

SL		7.5	96.6
bl		8.0	96.1
y		9.0	95.1
b		8.9	94.2
y		9.5	94.6
bl		9.9	94.2
SL		10.3	93.8

550'

E of

6th st

SL		6.1	98.0
bl		5.6	98.5
y		5.0	99.1
b		4.5	99.6
y		4.6	99.5
bl		3.8	100.3
SL		3.2	100.9

TP

10.95

113.56

1.45

102.61

65- Brn 2nd
Limestone

11352

600' S = W 2 of Gurot (60')
on S side

SL	7.7	105.9
b	9.0	104.6
y	9.5	104.1
b	9.5	104.1
y	10.0	103.6
bl	10.4	103.2
W 2	11.0	102.6

W 2 of Gurot

SL	6.8	106.8
bl	7.7	105.9
y	8.3	105.3
b	8.4	105.2

W 1/4 of Gurot

SL	5.8	107.8
bl	6.1	107.4
y	7.0	106.6
b	7.2	106.4

11352

Bright

28

Center of Gurot

SL	4.9	108.7
bl	5.6	108.0
y	6.0	107.6
b	6.4	107.2

E 1/4 of Gurot

SL	4.0	109.6
bl	4.7	108.9
y	5.6	108.0
b	5.8	107.8

E 1/4 of Gurot

SL	3.0	110.6
bl	3.7	109.9
y	4.4	109.2
b	4.7	108.9

E line of Gursot on Beach

SL	2.0	111.6
bl	2.6	111.0
"	3.4	110.2
b	3.8	109.8

W 1/4 of Gursot 30' wide on beach

SL	10.2	103.4
	9.6	104.0
	9.3	104.3
	8.4	105.2

W 1/4 of Gursot

SL	9.5	104.1
	9.2	104.4
	8.3	105.3
	7.8	105.8

Center of Gursot

SL	8.8	104.8
bl	8.4	105.2
"	7.7	105.9
b	7.0	106.6

E 1/4 of Gursot

SL	8.7	104.9
bl	7.8	105.8
"	7.0	106.6
b	6.6	107.0

E 1/4 of Gursot

SL	7.7	105.9
bl	6.7	106.9
"	6.4	107.2
b	5.5	108.1

11382

E line of Gungot

72

65 107.1

66

POSTED

58 107.8

4

53 108.1

6

45 109.1

Gungot is 50' wide North

+ 60' wide South of

Brighton

cross section of 2nd st (Bacon) (60')
from 250' S of Brighton to 85' N of Long Branch

30

Starting at Land Hills 20' N of

250' S of Brighton

Bm

323 10.30

2.07

E2

4.8

5.5

9

66

5.0

4

5.4

6

5.4

4.9

4

5.4

66

5.0

72

5.0

POSTED 43

200' S of Brighton

72

5.5

4.8

66

5.5

4

5.6

6

5.6

4.1

4

5.6

66

5.6

E2

5.2

5.1

10.30

150' S of Brighton

EL	5.3	50
bl	5.3	48
y	5.2	51
b	5.3	48
y	5.2	47
bl	5.8	4.5
W2	5.8	4.5

100' S of Brighton

W2	6.1	4.2
bl	5.7	4.6
y	5.9	4.4
b	5.9	4.4
y	5.6	4.7
bl	5.8	4.5
EL	5.4	4.9

10.30

2nd st

31

50' S of Brighton

EL	5.2	5.1
bl	5.5	4.8
y	5.5	4.8
b	5.8	4.5
y	6.1	4.2
bl	5.7	4.6
W2	6.0	4.3

S. side of Brighton 60'

W2	5.9	4.4
bl	5.7	4.6
y	5.8	4.5
b	5.6	4.7
y	5.3	5.0
bl	5.3	5.0
EL	5.2	5.1

10.30

N line of Brighton

EL	50	53
bl	50	53
y	56	47
b	50	53
y	56	47
bl	55	48
W2	55	48

50' N of Brighton

W2	55	48
bl	55	48
y	53	50
b	46	57
y	53	50
bl	51	52
EL	49	51

10.30

2nd st

32

100' N of Brighton

EL	46	57
bl	48	55
y	50	53
b	46	57
y	53	50
bl	52	51
W2	53	50

115' N of Brighton alley

W2	50	53
bl	52	51
y	53	50
b	46	57
y	51	52
bl	46	57
EL	40	63

10.30

165' N of Brighton

EL	4.3	6.0
bl	4.5	5.8
y	5.0	5.3
b	4.3	6.0
y	5.2	5.1
bl	5.0	5.3
WL	4.9	5.4

215' N of S of Long Branch

WL	4.8	5.5
bl	4.6	5.1
y	4.9	5.4
b	4.0	6.3
y	4.6	5.1
bl	4.2	6.1
EL	4.1	6.2

10.30

33

S of Long Branch (50')

EL	4.0	6.3
bl	4.1	6.2
y	4.6	5.7
b	4.0	6.3
y	4.3	6.0
bl	4.8	5.5
WL	5.3	5.0

S 1/4 of Long Branch

WL	4.7	5.6
bl	4.6	5.1
y	4.3	6.0
b	4.0	6.3
y	4.5	5.8
bl	4.1	6.2
EL	4.0	6.3

10.30

center of Long Branch

E2	40	6.3
bl	40	6.3
"	45	5.8
b	40	6.3
"	42	6.1
bl	43	6.0
wt	44	5.9

N 1/4 of Long Branch

wt	47	5.6
bl	47	5.6
"	43	6.0
b	40	6.3
"	42	6.0
bl	40	6.3
E2	40	6.3

10.30

2nd st

34

N bl of Long Branch

E2	38	6.5
bl	40	6.3
"	43	6.0
b	39	6.4
"	45	5.8
bl	50	5.3
wt	51	5.2

POSTED

N d of Long Branch

wt	45	5.8
bl	44	5.9
"	46	5.7
b	40	6.3
"	42	6.1
bl	40	6.3
E2	38	6.5

10.30

50' n of Long Branch

EL	35	6.8
bl	35	6.8
v	42	6.1
b	36	6.7
v	45	5.8
bl	43	6.0
W2	47	5.6

85' n of Long Branch

W2	44	5.9
bl	40	6.3
v	43	6.0
b	36	6.7
v	38	6.5
bl	33	7.0
EL	30	7.3
TP	452	5.78

n of

Long Branch

Cross-section of Long Branch ^{am}
2nd st. to Sand Banks

50' 35

W side of 2nd st (60')

3m NW

2.13

303	8.81	5.78
EL	30	5.8
bl	34	5.4
v	35	5.6
b	29	5.9
v	32	5.6
bl	36	5.2
EL	33	5.5

POST

POSTED

50' W of 2nd st

EL	40	4.8
bl	42	4.6
v	38	5.0
b	36	5.7
v	39	4.9
bl	42	4.6
EL	40	4.8

881

100' W of 2nd st

22	45	4.3
bl	48	4.0
"	44	4.4
b	41	4.7
y	44	4.4
bl	46	4.2
S2	45	4.3

150' W of 2nd st

S2	49	3.9
bl	52	3.6
y	52	3.6
b	46	4.2
y	48	4.0
bl	52	3.6
22	49	3.9

881

Long Branch st

36

200' W of 2nd st

22	53	3.5
bl	58	3.0
"	54	3.4
b	50	3.8
y	52	3.5
bl	57	3.1
S2	54	3.4

250' W of 2nd st

22	57	3.1
bl	60	2.8
y	57	3.1
b	52	3.6
y	54	3.4
bl	58	3.0
22	56	3.2

300' W of 2nd st

SL	5.9	7.9
bl	6.2	7.6
y	5.7	7.1
b	5.4	7.4
y	5.9	7.9
bl	6.2	7.6
SL	5.8	7.0

350' W of 2nd st

SL	5.8	7.0
bl	6.2	7.6
y	5.8	7.0
b	5.5	7.3
y	5.8	7.0
bl	6.3	7.6
SL	5.9	7.9

Long Branch

400' W of 2nd st

SL	5.8	7.0
bl	6.2	7.6
y	6.0	7.8
b	5.0	7.8
y	5.8	7.0
bl	6.3	7.6
SL	5.8	7.0

TP 4.08 7.44 5.45 3.36

450' W of 2nd st

SL	7.7	7.7
bl	5.0	7.2
y	4.5	7.9
b	4.2	7.1
y	4.7	7.7
bl	4.8	7.6
SL	4.6	7.8

7.44

500' W of 2nd st

nz	48	2.6
bl	52	2.2
y	48	2.6
b	45	2.9
y	48	2.6
bl	48	2.6
SL	46	2.8

550' W of 2nd st

SL	47	2.7
bl	52	2.2
y	51	2.2
b	45	2.9
y	48	2.6
bl	54	2.0
nz	48	2.6

7.44

Long Branch

38

600' W = E of 1st st (60')

nz	52	2.2
bl	55	1.9
y	52	2.2
b	47	2.7
y	52	2.2
bl	55	1.9
SL	50	2.4

E of 1st st

SL	50	2.4
bl	55	1.9
y	53	2.1
b	48	2.6
y	52	2.2
bl	55	1.9
nz	51	2.3

744

E 1/4 of 1 st st

22	5.6	1.8
bl	5.4	2.0
y	5.0	2.1
b	4.7	2.7
y	5.1	2.3
bl	5.3	2.1
SL	5.5	1.9

center of 1 st st

SL	5.1	2.3
bl	5.0	2.1
y	4.7	2.7
b	4.7	2.7
y	4.7	2.7
bl	4.8	2.6
22	5.0	2.1

744

Long Branch

39

W 1/4 of 1 st st

22	5.8	1.6
bl	5.2	1.8
y	5.2	2.2
b	4.6	2.8
y	5.2	2.2
bl	5.4	2.0
SL	5.2	2.2

W 1/4 of 1 st st

SL	5.2	2.2
bl	5.4	2.0
y	5.4	2.0
b	4.9	2.5
y	5.0	2.1
bl	5.5	1.9
22	5.3	2.1

POSTED

744

W line of 1st st

22	5.2	2.2
bl	5.4	2.0
y	5.2	2.2
b	4.9	2.6
y	5.2	2.2
bl	5.5	1.9
SL	5.1	2.3

50' W of 1st st

SL	5.5	1.9
bl	5.8	1.6
y	5.2	1.8
b	5.2	2.2
y	5.3	2.1
bl	5.8	1.6
22	5.4	2.0

744

Sunny Branch

40

100' W of 1st st

22	5.8	1.6
bl	6.2	1.2
y	5.8	1.6
b	5.5	1.9
y	5.8	1.6
bl	6.2	1.2
SL	5.7	1.7

100' W of 1st st

SL	6.2	1.2
bl	6.6	0.8
y	6.4	1.0
b	6.0	1.4
y	6.0	1.4
bl	6.6	0.8
22	6.0	1.4

200'	W of	125	25
72		65	0.9
66		70	0.6
7		66	0.8
6		62	1.2
7		69	0.5
66		70	0.6
52		65	0.9

250' W of 125 25

52		68	0.6
66		70	0.6
7		62	1.2
6	POSTED	60	1.6
7		62	1.2
66		58	1.6
72		50	2.0

Sand Banks 10' high

cross-section of bit at (60') (Fence)

7466

62.5

42

Brighton to S of Ocean Beach

100' S of Brighton

12.71 7466

61.95 Brighton

W2

8.3 66.4

S line of Brighton

bl

7.9 66.8

W2

12.7 62.0

"

7.9 66.8

bl

12.5 62.2

b

6.8 67.9

"

POSTED

12.1 62.6

"

5.8 68.9

b

11.7 63.0

bl

6.0 68.7

"

11.3 63.4

E2

5.6 69.1

bl

11.0 63.7

150' S of Brighton

E2

10.9 63.8

E2

3.0 71.7

50' S of Brighton

bl

3.2 71.5

E2

8.4 66.3

"

3.7 71.0

bl

8.0 66.1

b

4.1 70.6

"

9.0 65.7

"

4.5 70.2

b

9.7 65.0

bl

5.1 69.6

"

9.7 65.0

W2

5.7 69.0

bl

10.0 64.7

TP 12.01

8430

2.37 72.29

W2

10.5 64.2

8430

200' S of Brighton

W2	127	71.6
bl	122	72.1
y	115	72.8
b	110	73.3
y	100	74.3
bl	87	75.6
E2	81	76.2

250' S of Brighton

E2	47	79.6
bl	59	78.4
y	70	77.3
b	74	76.9
y	87	75.6
bl	102	74.1
W2	110	73.3

8430

with st

300' S of Cape May st (80)

43

W2	854	75.76 77.76	n w to Cape May
bl	80	76.8	
y	75	76.8	
b	66	77.7	
y	54	78.9	
bl	38	80.5	
E2	24	81.9	

Ebb of Cape May

E2	27	81.6
bl	39	80.4
y	57	79.2
b	60	78.3
y	68	77.5
bl	72	77.1
W2	73	77.0

8430

N¹/₄ of Cape May

W2	67	77.6
bl	65	77.8
7	58	78.5
6	53	79.0
7	47	79.6
bl	42	80.1
E2	36	80.7

center of Cape May

E2	29	81.4
bl	38	80.5
7	42	80.1
6	46	79.5
7	53	79.0
bl	53	78.8
W2	62	78.1

8430

612 25

44

S¹/₄ of Cape May

W2	58	78.5
bl	50	79.3
7	42	80.1
6	38	80.5
7	33	81.0
bl	28	81.5
E2	19	82.4

TP 9.90 92.32 1.88 82.40

S bl of Cape May

E2	82	84.1
bl	84	83.9
7	92	83.1
6	104	81.9
7	115	80.8
bl	131	79.2
W2	125	78.8

92.32

S of Lake Mary

W2	13.4	78.9
bl	12.6	79.7
y	11.3	81.0
b	10.0	82.3
y	8.3	84.0
bl	6.6	85.7
EL	5.6	86.7

50' S of Lake Mary

EL	6.3	86.0
bl	7.4	84.9
y	8.1	84.2
b	9.2	83.1
y	9.8	82.5
bl	10.2	82.1
W2	11.5	80.8

92.32

6.21 25

45

100' S of Lake Mary

W2	11.4	80.9
bl	10.8	81.5
y	10.4	81.9
b	9.8	82.5
y	8.9	83.4
bl	8.0	84.3
EL	6.2	86.1

125' S of Lake Mary

EL	6.6	85.7
bl	7.3	85.0
y	7.8	84.5
b	8.2	84.1
y	8.8	83.5
bl	9.0	83.3
W2	9.2	83.1

9232

1350' S of Cape May

W2		5.9	86.4
bl		5.5	86.8
y		5.2	87.1
b		4.6	87.7
y		4.6	87.7
bl		5.0	87.3
EL		4.9	87.4

1.75' S of Cape May

EL		1.2	91.1
bl		1.3	91.0
y		1.7	90.6
b		2.5	89.8
y		3.5	88.8
bl		4.0	88.3
W2		4.2	88.1

TP 9.54 92.60 224 90.08

99.60

624.11

46

200' S of Cape May

W2		11.0	88.6
bl		9.8	89.8
y		9.2	90.4
b		8.5	91.1
y		7.2	92.4
bl		5.9	93.7
EL		5.6	94.0

250' S of Cape May

EL		3.6	96.0
bl		4.4	95.2
y		5.9	93.7
b		6.7	92.9
y		7.5	92.1
bl		7.6	92.0
W2		9.0	90.6

99.60

275' S of Cape May

W2	11.5	88.1
bl	10.4	89.2
"	8.0	91.6
b	7.0	92.6
"	5.4	94.2
bl	4.2	95.4
EL	3.3	96.3

300' S = n d of Saratoga (80')

EL	2.6	97.0
bl	4.0	95.6
"	6.6	93.0
b	8.2	91.4
"	9.5	90.1
bl	10.5	89.1
W2	11.58	88.02

99.60

6th st

47

N. h of Saratoga st

W2	11.2	88.4
bl	10.4	89.2
"	9.3	90.3
b	7.7	91.9
"	6.6	93.0
bl	5.0	94.6
EL	2.5	97.1

N. h of Saratoga st

EL	3.0	96.6
bl	4.5	95.1
"	5.6	94.0
b	7.3	92.3
"	8.2	91.4
bl	9.0	90.6
W2	9.5	90.1

99.60

Center of Saratoga st

W1	80	91.6
bl	7.1	92.5
"	6.3	93.3
"	5.6	94.0
"	4.7	94.9
bl	3.8	95.8
E2	2.4	97.2

S 1/4 of Saratoga

E2	1.6	98.0
bl	2.5	97.1
"	3.4	96.2
"	4.2	95.4
"	5.1	94.5
bl	6.0	93.6
W1	7.4	92.2

99.60

6th st

48

S Bl of Saratoga

W1		6.9	92.7	
bl		5.8	93.8	
y		4.8	94.8	
bl		4.0	95.6	
y		3.0	96.6	
TP	350	29.94	3.16	96.44
bl		2.6	97.3	
E2		1.9	98.0	

S line of Saratoga

E2	2.3	97.6
bl	2.8	97.1
"	3.4	96.5
"	4.4	95.5
"	5.2	94.7
bl	6.4	93.5
W1	7.6	92.3

9994

50'

S of

Saratoga

W2	11.0	88.9
bl	9.7	90.2
"	8.0	91.9
bl	6.8	93.1
"	6.3	93.6
bl	5.7	94.2
EL	5.2	94.7

75'

S of

Saratoga

EL	7.3	92.6
bl	7.9	92.0
"	8.3	91.6
bl	9.0	90.9
"	10.0	89.9
bl	10.8	89.1
W2	12.6	87.3

9994

62th st

49

100' S of

Saratoga

W2	13.40	86.5
bl	13.1	86.8
"	12.2	87.7
bl	11.2	88.6
"	10.4	89.5
bl	9.8	90.1
EL	9.3	90.6

125'

S of

Saratoga

EL	10.0	89.9
bl	10.5	89.4
"	11.0	88.9
bl	11.4	88.5
"	12.0	87.9
bl	13.5	86.4
W2	14.8	85.1

99.94

150' S of Saratoga

W2	12.3	87.6
bl	11.2	88.7
y	10.3	89.6
b	9.4	90.5
y	8.7	91.2
bl	8.2	91.7
EL	7.5	93.4

175' S of Saratoga

EL	5.8	94.1
bl	6.8	93.1
y	7.4	92.5
b	8.1	91.8
y	9.1	90.8
bl	10.5	89.4
W2	11.4	88.5

99.94

6th 10

50

200' S of Saratoga

W2	10.5	89.4
bl	9.7	90.2
y	9.0	90.9
b	8.2	91.7
y	7.4	92.5
bl	6.7	93.2
EL	5.4	94.5

225' S of Saratoga

EL	4.0	95.9
bl	4.7	95.2
y	5.7	94.2
b	7.3	92.6
y	7.9	92.0
bl	8.4	91.5
W2	9.3	90.6

9994

250' S of Saratoga

W2		90	90.9
bl		7.9	92.0
y		6.9	93.0
b		5.8	94.1
y		4.8	95.1
bl		3.7	96.2
EL		2.5	97.4

TP 710 10460 2.44 9750

275' S of Saratoga

EL		6.5	98.1
bl		7.7	96.9
y		9.2	95.3
b		10.4	94.2
y		10.8	93.8
bl		12.2	92.4
W2		13.1	91.5

104.60

604 11
Do for Thords

512

300' S = 2.2 of Santa Monica

W2		12.6	92.07
bl		12.0	92.6
y		11.2	93.4
b		10.0	94.6
y		8.6	96.0
bl		7.7	96.9
EL		6.3	98.3

2 bl of Santa Monica

EL		5.8	98.8
bl		7.3	97.3
y		8.5	96.1
b		9.2	95.3
y		10.4	94.2
bl		11.4	93.2
W2		12.4	92.2

10460

N $\frac{1}{4}$ of Santa Monica

W2	12.2	92.4
bl	11.2	93.4
7	10.6	94.0
6	9.6	95.0
7	8.0	96.6
bl	6.8	97.8
82	5.4	99.2

Center of Santa Monica

82	5.2	99.4
bl	6.6	98.0
7	8.0	96.6
6	9.2	95.4
7	10.4	94.2
bl	11.2	93.4
bl	11.9	92.7
W2		

10460

52

S $\frac{1}{4}$ of Santa Monica

W2	11.4	93.2
bl	10.4	94.2
7	9.7	94.9
6	8.4	96.2
7	7.2	97.4
bl	5.7	98.9
82	4.4	100.2

S bl of Santa Monica

82	3.2	101.4
bl	5.1	99.5
7	6.2	98.4
6	7.7	96.9
7	8.6	96.0
bl	9.6	95.0
W2	10.7	93.9

10460

S line of Santa Monica

W2	16.0	94.6
bl	8.6	96.0
y	8.0	96.6
b	7.0	97.6
y	6.6	98.0
bl	5.2	99.4
EL	2.8	101.8

25' S of Santa Monica

EL	2.8	101.8
bl	4.1	100.5
y	5.6	99.0
b	6.3	98.3
y	7.0	97.6
bl	7.8	96.8
bl	9.0	95.6

W2

10460

53

50' S of Santa Monica

W2	9.1	95.5
bl	7.8	96.8
y	7.1	97.5
b	6.3	98.3
y	5.5	99.4
bl	4.2	100.4
EL	3.0	101.6

75' S of Santa Monica

EL	3.0	101.6
bl	3.8	100.8
y	5.5	99.1
b	7.0	97.3
y	7.7	96.9
bl	8.7	95.9
W2	9.5	95.1

10460

100' S of Santa Monica

W-2	128	91.5
bl	116	93.0
y	79	96.7
b	74	97.2
y	63	98.3
bl	48	99.8
EL	30	101.6

120' S of Santa Monica

EL	67	97.9
bl	87	95.9
y	89	95.7
b	73	97.3
y	91	95.6
bl	108	93.8
W-2	95	95.1

10460

60222

54

150' S of Santa Monica

W-2	80	96.6
bl	73	97.3
y	67	97.9
b	59	98.7
y	44	100.2
bl	36	101.0
EL	28	101.8

TP 994 11343 111 10349

175' S of Santa Monica

EL	110	102.4
bl	118	101.6
y	126	100.8
b	143	99.4
y	147	98.7
bl	157	98.2
W-2	162	97.2

11343

4326

200' S of Santa Monica

W2	134	98.0
bl	140	99.4
y	136	99.8
b	128	100.6
y	120	101.4
bl	112	102.2
EL	104	103.0

225' S of Santa Monica

EL	102	103.2
bl	108	102.6
y	112	102.2
b	117	101.7
y	120	101.4
bl	111	102.3
W2	103	103.1

11343

602 10

55

250' S of Santa Monica

W2	8.9	104.5
bl	8.9	104.5
y	9.9	103.5
b	10.4	103.0
y	10.3	103.1
bl	9.9	103.5
EL	9.5	103.9

275' S of Santa Monica

EL	8.7	104.7
bl	9.0	104.4
y	9.1	104.3
b	8.9	104.5
y	8.4	105.0
bl	8.4	105.0
W2	8.8	104.6

11343

300' S. of Newport at 80'

WL	893	104.50
bl	82	105.2
y	75	105.9
b	70	106.4
y	68	106.6
bl	60	107.4
EL	58	107.6

TP 12.66 117.16 895 104.50

N. of Newport

EL	82	109.0
bl	88	108.4
y	95	107.7
b	102	107.0
y	108	106.4
bl	116	105.6
WL	126	104.6

117.16

N. of Newport

WL	125	104.7
bl	113	105.9
y	103	106.9
b	95	107.7
y	90	108.2
bl	86	108.6
EL	77	109.5

center of Newport

EL	75	109.7
bl	82	109.0
y	87	108.5
b	94	107.8
y	102	107.0
bl	112	106.1
WL	122	105.0

S. 1/4 of Newport

W2	122	105.0
bl	11.0	106.2
"	10.1	107.1
b	9.3	107.9
y	8.5	108.7
bl	7.7	109.5
EL	6.9	110.3

S. 1/4 of Newport

EL	6.5	110.7
bl	7.6	109.6
y	8.4	108.8
t	9.2	108.0
"	9.8	107.4
bl	10.7	106.5
W2	12.0	105.2

S. 1/4 of Newport

W2	11.6	105.6
bl	10.6	106.6
y	9.1	108.1
b	8.2	109.0
y	7.6	109.6
bl	6.4	110.8
EL	4.8	112.4

2 1/2' S. of Newport

EL	2.3	114.9
bl	3.7	113.5
y	5.2	111.6
b	6.7	110.5
y	7.8	109.4
bl	9.0	108.2
W2	10.0	107.2

117.16

122.93

60.25

58

50' Sof new part

WZ 8.4 108.8

bl 6.5 110.7

y 4.8 112.4

b 4.3 112.9

y 2.8 114.4

bl 0.5 116.7

TP 6.96 122.93 1.19 115.97

EL 4.8 118.1

75' Sof new part

EL 2.9 120.0

bl 4.8 118.1

y 7.2 115.7

b 8.7 114.2

y 9.4 113.5

bl 11.2 111.7

WZ 12.9 110.0

100' Sof new part

WZ 12.0 109.9

bl 11.7 111.2

y 9.0 113.9

b 7.6 115.3

y 6.6 116.3

bl 4.8 118.1

EL 2.4 120.5

125' Sof new part

EL 1.4 121.5

bl 3.6 119.3

y 5.3 117.6

b 6.7 116.2

y 7.4 115.5

bl 10.6 113.3

WZ 11.9 111.0

12293

150' S of Newport

W2	92	113.7
bl	74	115.5
7	63	116.6
6	42	118.7
7	87	120.2

HP	1230	<u>13323</u>	200	12093
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bl	112	122.0
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EL	97	123.5
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175' S of Newport

EL	72	126.0
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bl	92	124.0
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7	107	122.5
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6	121	121.2
---	-----	-------

7	132	120.0
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bl	143	118.9
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W2	154	117.9
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1332360h

59

200' S of Newport

W2	136	119.6
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bl	120	121.2
----	-----	-------

7	101	123.1
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6	96	123.6
---	----	-------

7	85	124.7
---	----	-------

bl	70	126.2
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EL	53	127.9
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225' S of Newport

EL	23	130.9
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bl	37	129.5
----	----	-------

7	48	128.4
---	----	-------

6	62	127.0
---	----	-------

7	67	126.5
---	----	-------

bl	88	124.4
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W2	103	122.9
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133.5

250' Sof Newport

W2 8.0 125.2

bl 4.7 128.5

y 3.4 129.8

b 3.2 130.0

y 1.5 131.7

TP 1189 143.63 14.9 131.74

bl 10.9 132.7

E2 8.9 134.7

275' Sof Newport

E2 5.6 138.0

bl 7.2 136.0

y 9.8 134.8

b 10.6 134.0

y 12.0 131.6

bl 12.1 131.5

W2 14.8 128.8

143.63

300' S = N. of Niagara (80')

W2 11.8 131.8 H

bl 10.0 133.6

y 8.0 135.6

b 6.8 136.8

y 5.1 138.5

bl 2.2 141.4

E2 1.2 142.4

TP 1146 153.53 1.52 142.07

Skin of Niagara

E2 0.0 153.5

bl 2.0 151.5

y 7.8 146.5

b 7.0 146.5

y 10.6 142.9

Cb 15.0 138.5

W2 16.5 137.0

60

15353

10' Sof Niagara

W2	14.8	138.7
bl	10.5	143.0
y	11.0	142.5
b	7.0	146.5
y	6.2	147.3
bl	5.7	147.8
E2	4.5	149.0

25' Sof Niagara

E2	5.0	148.5
bl	5.4	148.1
y	3.3	148.2
b	5.4	148.1
y	8.0	145.5
bl	10.0	143.5
W2	13.2	140.3

15353

60th St

61

35' Sof Niagara

W2	14.0	139.5
bl	13.0	140.5

50' Sof Niagara

W2	3.5	150.0
bl	4.0	149.5
y	4.0	149.5
b	3.5	150.0
y	3.5	150.0
bl	2.8	150.7
E2	2.7	151.1

TD	11.04	162.0	2.37	154.6
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16220

75' S of Niagara

EL	95	152.7
bl	115	150.7
y	85	153.7
b	88	153.4
y	92	153.0
bl	88	153.4
W2	97	152.5

100' S of Niagara

W2	83	153.9
bl	70	155.2
y	64	155.8
b	60	156.2
y	40	158.2
bl	76	154.6
EL	85	153.7

16220

6225

62

125' S of Niagara

EL	14	160.8
bl	25	159.7
y	30	159.2
b	49	157.3
y	48	157.4
bl	66	155.6
W2	75	154.7

150' S of Niagara

W2	69	155.3
bl	57	156.5
y	45	157.7
b	40	158.2
y	32	158.9
bl	20	159.9
EL	13	160.9

16220

175' S of Mayan

EL	1.1	161.1
bl	2.1	160.1
y	3.5	158.7
b	4.6	157.6
"	6.0	156.2
bl	6.4	155.8
WL	7.4	154.8

W 200' S of Mayan

W2	9.5	152.7
bl	7.8	154.4
y	6.9	155.3
b	5.9	156.3
y	4.7	157.5
bl	3.5	158.7
EL	2.7	159.5

TP 1.67 157.07 680 153.40

15707

62220

63

225' S of Mayan

EL	10.5	157.60
bl	1.0	156.1
y	2.2	154.9
b	3.4	153.7
y	4.0	153.1
bl	5.2	151.5
W2	6.4	150.7

250' S of Mayan

W2	8.4	148.7
bl	7.4	149.7
y	6.5	150.6
b	5.6	151.5
y	4.3	152.8
bl	3.5	153.6
EL	2.4	154.7

157.07

275' S of Niagara

EL	4.3	152.8
ll	5.0	152.1
y	6.0	151.1
b	6.9	150.2
y	7.8	149.3
bl	8.9	148.2
WL	10.3	146.8

300' S = N 2 Narragansett (20)

WL	11.81	145.26	nan
bl	11.1	146.0	
y	10.0	147.1	
b	9.2	147.8	
y	8.3	148.8	
bl	7.4	149.7	
EL	6.7	150.4	

602.11

64

S line of Narragansett

132	146.58	145.26	nan
EL	5.1	141.5	
bl	5.5	141.1	
y	6.1	140.5	
b	6.9	139.7	
y	7.9	138.7	
bl	8.7	137.9	
WL	9.4	137.2	

TP 4.87 141.06 1039 136.19

25' S of Narragansett

W-2	8.4	132.7	
bl	7.4	133.7	
y	6.5	134.6	
b	5.6	135.5	
y	4.9	136.2	
bl	4.2	136.9	
EL	3.3	137.8	

141.06

50' Sof Hanaganan

EL	55	135.6
bl	68	134.3
7	77	133.4
6	86	132.5
7	93	131.8
bl	102	130.9
W2	112	129.9

75' Sof Hanaganan

W2	160	125.1
bl	142	126.9
7	122	128.9
6	93	131.8
7	91	132.0
bl	79	133.2
EL	67	134.4

141.06

6th st

100' Sof Hanaganan

EL	45	136.6
bl	57	135.4
7	70	134.1
6	80	133.1
7	82	132.9
bl	97	131.4
W2	117	129.4

125' Sof Hanaganan

W2	124	128.7
bl	106	130.5
7	92	131.9
6	78	133.3
7	69	134.2
bl	56	135.5
EL	38	137.3

65

14/06

150' Sof Nanagansett

EL	45	136.6
bl	56	135.5
y	67	134.4
b	79	133.2
y	89	132.2
bl	98	131.3
W2	108	130.3

175' Sof Nanagansett

W2	98	131.3
bl	91	132.0
y	86	132.5
b	81	133.0
y	73	133.8
bl	62	134.9
EL	50	136.1

14/06

15/06

66

200' Sof Nanagansett

EL	48	136.3
bl	56	135.5
y	61	135.0
b	83	132.8
y	80	133.1
bl	80	133.1
W2	93	131.8

225' Sof Nanagansett

W2	165	124.6
bl	152	125.9
y	125	128.6
b	99	131.2
y	72	133.9
bl	60	135.1
EL	53	135.8

1

141.06

250' S of Nanagansut

Ed	8.0	133.1
bl	10.3	130.8
y	12.8	128.3
b	14.0	127.1
y	12.8	128.3
bl	10.0	131.1
W2	10.0	131.1

275' S of Nanagansut

W2	9.2	131.9
bl	7.8	133.3
y	6.4	134.7
b	7.8	133.3
y	7.0	134.1
bl	11.0	130.1
Ed	10.1	131.1

141.06

600' 2'

300' S = N2 Del Monte (80')

67

Ed	2.6	138.5
bl	3.4	137.7
y	5.0	136.1
b	6.3	134.8
y	6.8	134.3
bl	7.0	134.1
W2	8.0	132.16

W2 N2 Del Monte

W2	9.2	141.9	8.0	132.16
W2	N2 Del Monte			
W2		10.3	131.6	
bl		8.5	133.4	
y		7.8	134.1	
b		6.9	135.0	
y		5.9	136.0	
bl		4.5	137.4	
Ed		3.0	138.9	

141.92

N $\frac{1}{4}$ of

Del Monte

EL	3.1	138.8
bl	4.3	137.6
y	5.7	136.2
b	6.9	135.0
y	8.1	133.8
bl	9.0	132.9
wL	10.1	131.8

center of

Del Monte

wL	11.0	130.9
bl	10.0	131.9
y	9.0	132.9
b	8.0	133.9
y	6.6	135.3
bl	5.0	136.9
EL	3.4	138.5

141.92

602.25

S $\frac{1}{4}$ of Del Monte

68

EL	3.7	138.2
bl	5.0	136.9
y	6.4	135.5
b	7.8	134.1
y	9.0	132.9
bl	10.0	131.9
wL	11.0	130.9

S bl of Del Monte

wL	11.0	130.9
bl	9.6	132.3
y	8.9	133.0
b	8.4	133.5
y	7.0	134.9
bl	5.6	136.3
EL	4.6	137.9

14192

S line of Del Monte

EL	5.0	136.9
bl	6.1	135.8
y	7.3	134.6
l	8.4	133.5
9	9.0	132.9
bl	10.2	131.7
w2	11.2	130.7

30' S of Del Monte

w2	18.0	123.9
bl	15.6	126.3
y	13.8	128.1
l	8.4	133.5
y	7.8	134.1
bl	6.4	135.5
EL	5.0	136.9

121192

621 V

69

50' S of Del Monte

EL	4.3	137.6
bl	5.6	136.3
y	8.0	133.9
l	8.0	133.9
y	12.7	129.2
bl	15.6	126.3
w2	11.0	130.9

TP 11.90 143.96 10.76 131.16

on 50' line

60' S of Del Monte 45

w2	10.0	133.1
bl	15.8	127.3
y	15.6	127.5
l	13.9	129.2
y	9.0	134.1
bl	6.8	136.3
EL	6.4	136.7

143.06

75' S of Del Monte

ER	6.3	136.8
bl	8.3	134.8
y	12.8	130.3
b	8.6	134.5
y	7.6	135.5
bl	8.3	134.8
W2	8.7	134.4

100' S of Del Monte

W2	6.7	136.4
bl	6.0	137.1
y	6.4	136.9
b	5.7	137.4
y	9.0	134.1
+5	10.5	132.6
bl	8.6	134.5
ER	3.1	140.0

110' S of Del Monte

ER	3.5	139.6
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143.06

6.2

70

115' S of Del Monte

ER	8.7	134.4
bl	8.0	135.1
y	3.8	139.3
b	4.7	138.4
y	5.6	137.5
bl	5.7	137.4
W2	7.0	136.1

125' S of Del Monte

W2	7.1	136.0
bl	6.6	136.5
y	5.6	137.5
b	4.4	138.7
y	3.2	139.9
bl	2.0	141.1
ER	9.0	134.1

143.06

150' S of Del Monte

EL	0.3	142.8
bl	1.2	141.9
y	2.3	140.8
b	3.7	139.4
y	4.7	138.4
bl	5.5	137.6
WR	6.8	136.3

175' S of Del Monte

WR	6.2	136.9
bl	5.3	137.8
y	4.8	138.3
b	3.7	139.4
y	2.1	141.0
bl	1.4	141.7
EL	1.0	142.1

T.P. 207 147.99 2.14 140.92

147.99

6.2

200' S of Del Monte

EL	4.6	143.4
bl	5.2	142.8
y	6.1	141.9
b	7.3	140.7
y	8.1	139.9
bl	9.3	138.7
WR	10.4	137.6

225' S of Del Monte

WR	10.2	137.8
bl	9.3	138.7
y	8.6	139.4
b	7.8	140.2
y	6.7	141.3
bl	5.9	142.1
EL	4.7	143.2

71²

147.99

250' S of Ed Mont

EL	4.6	143.4
hl	5.6	142.4
y	6.5	141.5
b	7.5	140.5
y	8.8	139.2
bl	9.5	138.5
WL	10.2	137.8

275' S of Ed Mont

WL	10.3	137.7
hl	9.1	138.9
y	8.2	139.8
b	6.8	141.2
y	5.5	142.5
hl	3.8	144.2
EL	2.0	145.0

147.99

300' S = 2nd Santa Cruz (80')

72

EL	0.8	147.2
hl	2.3	145.7
y	3.7	144.3
b	5.0	143.0
y	6.2	141.8
hl	7.3	140.7
WL	8.3	139.7

TP 1236 152.14 820 139.79 820/10m NW 6th Santa Cruz

S line of Santa Cruz

WL	4.0	148.2
hl	3.8	148.4
y	4.0	148.2
b	2.9	149.3
y	1.6	150.6
TP	1224 162.76	0.66 151.52
hl	9.8	154.0
EL	7.5	156.3

16376

25' S of Santa Cruz

EL	85	155.3
bl	80	155.8
"	75	156.3
b	73	156.5
"	87	155.1
bl	96	154.2
WL	100	153.8

50' S of Santa Cruz

WL	60	157.8
bl	50	158.8
"	34	160.4
b	24	161.4
"	13	162.5
bl	0.0	163.8
EL	2.0	161.8

TIP

11546

17453

069

163.07

17453

602 20

73

75' S of Santa Cruz

EL	58	168.7
bl	63	168.2
"	57	168.8
b	69	167.6
"	77	166.8
bl	105	164.0
WL	112	163.3

100' S of Santa Cruz

WL	56	168.9
bl	51	169.4
"	48	169.7
b	48	169.7
"	45	170.0
bl	40	170.5
EL	34	171.1

17453

125' S of Santa Cruz

EL		18	172.7
bl		26	171.9
y		36	170.9
b		43	170.2
y		52	169.3
bl		59	168.6
W2		68	167.7
TP	11.11	18384	180 172.3

150' S of Santa Cruz

W2		158	168.0
bl		148	169.0
y		128	171.0
b		118	172.6
y		77	176.1
bl		50	178.8
EL		32	179.6

18384

6th St

175' S of Santa Cruz

W2		72	176.6
bl		50	178.8
y		25	181.3
TP	11.68	19331	221 181.3
b		95	183.8
y		70	186.3
bl		74	185.9
EL		104	182.9

160' S of Santa Cruz

EL		19331	82 185.1
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200' S of Santa Cruz

EL		118	181.5
bl		75	185.8
y		50	188.3
b		35	189.8
y		41	189.3
bl		50	188.3
W2		53	187.8

74

19331

19331

600-21

75

225' 50' Santa Cruz

WR 4.6 188.7

bl 4.0 189.3

y 2.8 190.5

b 4.2 189.1

y 4.5 189.8

bl 5.5 187.8

E2 11.3 182.0

250' 50' Santa Cruz

E2 13.6 179.7

bl 10.7 182.6

y 9.3 184.0

b 5.8 187.5

y 3.0 190.3

bl 4.4 188.9

WR 5.4 187.9

275' 50' Santa Cruz

WR 12.2 181.1

bl 11.7 181.6

y 13.0 180.3

TP 13.4 183.85 11.50 181.81

b 1.0 182.2

b 4.5 178.7

y 5.0 178.2

bl 6.8 176.4

E2 7.5 175.7

300' 50' 2.2 of Pacific (80')

E2 9.2 174.0

bl 9.2 174.0

b 9.0 174.2

b 9.2 174.0

y 10.2 173.0

bl 9.8 173.4

WR 10.7 172.5

18315

Nbl of Pacific

W2	15.0	168.2
bl	13.8	169.4
4	13.0	170.2
b	12.5	170.7
4	11.0	172.2
bl	11.5	171.7
Ed	10.5	172.7

N 1/4 of Pacific

Ed	11.5	171.7
bl	12.5	170.7
b	12.7	170.5
b	13.5	169.7
4	14.0	169.2
bl	15.4	167.8
W2	17.0	166.2

18315

602.2

Center of Pacific

W2	17.8	165.4
bl	16.4	166.8
4	15.4	167.8
b	14.6	168.6
4	13.5	169.7
bl	12.8	170.4
Ed	12.6	170.6

S 1/4 of Pacific

Ed	10.3	172.9
bl	9.3	173.9
4	11.8	171.4
b	12.7	170.5
4	14.0	169.2
bl	13.6	169.6
W2	15.0	168.2

18315

S bl of Pacific

W2 6.8 176.4

bl 8.4 174.8

y 9.6 173.6

b 9.8 173.4

y 7.2 176.0

bl 5.0 178.2

E2 2.7 180.5

TP 10.74 191.47 2.42 180.73

TP 10.36 193.77 8.07 183.48

Bm
SW Pacific

0+00 S Line of Pacific

E2 9.2 184.6

bl 9.5 184.3

y 13.2 180.6

b 14.7 179.1

y 13.8 180.0

bl 11.6 182.2

W2 10.4 183.4

19377

602.11

W2 25' S of Pacific

W2 4.9 188.9

bl 5.5 188.3

y 5.5 188.3

b 5.5 188.3

y 5.5 188.3

bl 5.5 188.3

E2 5.8 188.0

35' S of Pacific

E2 2.1 191.7

bl 4.0 194.2

y 1.2 192.6

b 1.5 192.3

y 2.5 191.3

bl 4.5 189.3

W2 4.5 189.3

77

19377

50' S of Pacific

W2	4.9	188.9
bl	4.2	189.6
y	3.6	190.2
l	1.5	192.3
y	0.8	193.0
bl	0.0	193.8
El	40.8	194.3

75' S of Pacific

El	6.0	193.8
bl	0.7	193.1
y	1.3	192.5
l	2.6	191.2
y	3.8	190.0
bl	5.0	188.8
W2	5.8	188.0

19377

6-11

100' S of Pacific

W2	7.2	186.6
bl	5.7	188.1
y	4.7	189.1
l	3.3	190.5
y	1.8	192.0
bl	1.2	192.6
El	0.2	193.6

TO 127 192.60 2.44 191.33

125' S of Pacific

El	1.2	191.4
bl	2.2	190.4
y	3.6	189.0
l	4.3	188.1
y	5.5	187.1
bl	6.5	186.1
W2	8.2	184.4

78

192.60

150' 50' Pacific

W2	98	182.8
bl	83	184.3
y	73	185.3
b	65	186.1
y	56	187.0
bl	46	188.0
EL	33	189.3

175' 50' Pacific

EL	48	187.8
bl	70	185.6
y	77	184.9
b	88	183.8
y	98	182.8
bl	110	181.6
W2	118	180.8

192.60

600.0

79

200' 50' Pacific

W2	138	178.8
bl	132	179.4
y	124	180.2
b	113	181.3
y	103	182.3
bl	94	183.2
EL	84	184.4

225' 50' Pacific

EL	106	182.0
bl	115	181.1
y	126	180.0
TP	056	181.04
b	1212	180.48
y	18	179.2
y	30	178.0
bl	39	177.1
W2	53	175.7

18104

250' S of Pacific

W2	7.0	174.0
bl	6.0	175.0
"	5.0	176.0
b	4.2	176.8
"	3.2	177.8
bl	3.0	178.0
EL	1.8	179.2

275' S of Pacific

EL	4.6	176.4
bl	6.0	175.0
"	7.0	174.0
b	8.0	173.0
"	8.5	172.5
bl	9.0	172.0
W2	10.7	170.6

18104

EL

3700 300' S = 2 S of Del Mar (80')

W2	13.5	167.5
bl	12.0	169.0
"	10.9	170.1
b	9.4	171.6
"	8.6	172.4
bl	8.1	172.9
EL	7.4	173.6

TP 0.45 174.10 7.29 173.65

200' S of Del Mar

3720	2 S of Del Mar		
EL		1.8	172.3
bl		3.0	171.1
"		3.8	170.3
b		4.7	169.4
"		6.2	167.9
bl		7.0	167.1
W2		8.9	165.2

17410

3+30 N 1/4 of Del mar

W2	113	162.8
bl	98	164.3
7	80	166.1
6	65	167.6
7	55	168.6
bl	47	169.4
El	47	169.9

3+40 Center of Del mar

El	57	168.4
bl	61	168.0
7	80	166.1
6	93	164.8
7	120	163.1
bl	119	162.2
W2	131	161.0

POSTED

17410

60224

3+50 S 1/4 of Del mar

81

W2	14.6	159.5
bl	135	160.6
7	126	161.5
6	110	163.1
7	96	164.5
bl	83	165.8
El	68	167.3

3+60 S 1/4 of Del mar

El	91	165.0
bl	105	163.6
7	113	162.8
TP	111. 163.03	161.9
6	28	160.2
7	42	158.8
bl	52	157.8
W2	54	157.6

3+80 S 1/4 of Del mar

W2	678	156.2	S 1/4
bl	600	157.0	
7	52	157.8	
1	45	158.5	
7	27	160.3	
bl	20	161.0	
El	20	161.0	

Continued in Book 318

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			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.46	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		

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