

E.M. - SEA

020608

JULY 13 1967

LINES 100+100 N & S

96+100 N & S

92+100 SOUTH

$$\Sigma_i = 9,400'$$

OPR. D. GAMBLE

~~J. AKEHURST~~

* J. AKEHURST

①

JULY 13/67
EM-SEA

STN	HC	HH	RES.	NULL
1000 ← LINE 100+00E				
5	12			6
4 ^s	-12	+24	+12	6
3	-22	+22	0	4
2	-18	+20	+2	4
1	-17	+14	-3	4
0	-9	+12	+3	2
9	-16	+14	-2	2
8	-12	+14	+2	2
7	-13	+14	+1	2
6	-16	+12	-4	2
5	-12	+12	0	2
4	-10	+10	0	2
3	-9	+12	+3	4
2	-11	+10	-1	2
1	-13	+16	+3	2
0	-10	+10	0	2
1 ^N	-10	+12	+2	2
2 ^N	-16	+10	-6	2
3 ^N	-9	+8	-1	2
4 ^N	-7	+4	-3	2
5 ^N	-4	+6	+2	2
6 ^N	-8	+6	-2	2
7 ^N	-8	+5	-3	4
8 ^N	-6	+4	-2	4
9 ^N	-6	+6	0	4

LC	L H	RES	NULL	REM
-20	+22	+2	4	
-20	+24	+4	4	
-18	+18	0	4	
-12	+20	+8	4	
-12	+16	+4	2	
-16	+14	-2	2	
-12	+16	+4	4	
-14	+16	+2	2	
-16	+12	-4	2	
-12	+10	-2	2	
-12	+12	0	4	
-10	+10	0	4	
-10	+10	0	2	
-12	+12	0	2	
-7	+12	+5	2	
-13	+8	-5	2	
-11	+8	-3	2	
-8	+6	-2	2	
-8	+6	-2	2	
-8	+5	-3	2	
-9	+8	-1	2	
-6	+6	0	4	
-5	+3	-2	4	
-8	+8	0	4	

(2)

JULY 13/67
EM-SEA

STN	HC	HH	RES	NULL
LINE	100			
10 ^N	-8	+6	-2	4
11 ^N	-9	+6	-3	4
12 ^N	-7	+7	0	4
13 ^N	-5	+5	0	4
14 ^N	-5	+4	-1	4
15	-4	-4	0	2
16	0	0	0	2
17	+3	-1	+2	2
18	+2	-3	-1	2
19	0	-5	-5	2
20	0	+1	+1	2
21	0	-2	-2	2
22	0	0	0	2
23	+2	0	+2	2
24	+1	0	+1	2

LC	LH	RFS	NULL	REM.
-9	+2	-7	4	
-8	+6	-2	4	
-6	+6	0	4	
-6	+5	-1	4	
-5	+2	-3	4	
-3	-2	-5	2	
+1	-2	-1	2	
+1	-1	0	2	
+2	-2	0	2	
0	0	0	4	
+2	-1	+1	2	
+2	-1	+1	2	
+2	-2	0	2	
0	-3	-3	2	
+2	0	+2	2	

③

JULY 13/67

EM-SEA

LINE	HC	HH	RES	NULL
LINE 96				
24 ^N	+1	-1	0	2
23 ^N	+2	-4	-2	2
22	+3	0	+3	2
21	+3	-2	+1	2
20	0	-3	-3	2
19	+5	-1	+4	4
18	+3	-1	+2	2
17	+2	-3	-1	2
16	+2	+2	0	2
15	-2	-2	0	2
14	-4	0	-4	2
13	-4	+4	0	2
12	-5	+4	-1	2
11	-6	+3	-3	2
10	-8	+6	-2	6
9	-2	+2	0	2
8	-6	+6	0	2
7	-6	+12	+6	2
6	-10	+10	0	2
5	-8	+8	0	4
4	-9	+12	+3	2
3	-8	+12	+4	2
2	-12	+12	0	2
1	-11	+10	-1	2
0	-15			2
15				

LC	L+1	RES	NULL	REM'
+5	0	+5	2	
+3	-2	+1	2	
+1	-2	-1	2	
+2	-2	0	2	
0	+1	+1	2	
+1	+1	0	2	
+3	# -4	-1	2	
+2	-6	-1	2	
+3	-4	-1	2	
+5	0	+5	2	
0	+3	3	2	
-2	0	-2	2	
+6	+8	+2	2	
3	+2	-1	2	
-6	+5	-1	2	
-7	+2	-5	2	
-7	+5	-2	2	
-8	+10	+2	2	
-12	+8	-4	2	
-10	+8	-2	2	
-9	+8	-1	2	
-11	+12	+1	2	
-10	+10	0	2	
-10	+9	-1	2	
-10				
-10				

④

JULY 13/67

LINE 96

EM-SEA

STN	HC	4H	REG	NULL
2 ^s	10			4
3 ^s	10			4
4 ^s	10			4
5 ^s	10			4
6 ^s	-13	+11	-2	4
7 ^s	-13	+11	-2	4
8 ^s	-10	+9	-1	2
9 ^s	-6	+9	+3	2
10 ^s	-13	+12	-1	2
11 ^s	-8	+12	+4	2
12 ^s	-16	+14	-2	6
13 ^s	-14	+13	-1	2
14 ^s	-15	+15	0	2
15 ^s	-8	+16	+8	2
16 ^s	-10	+16	-3	2
17 ^s	-18	+18	-10	2
18 ^s	-15	+22	+7	4
19 ^s	-18	+22	+4	4
20 ^s	-17	+23	+6	4

LC	LH	RES	NULL	REM
-1			1	
-1			1	
-1			1	
-9	+12	+3	1	
-9	+12	+3	1	
-12	+10	-2	2	
-10	+14	+4	2	
-12	+10	-2	2	
-11	+12	+1	6	
-12	+16	+4	6	
-13	+14	+1	4	
-10	+15	+5	2	
-9	+17	+9	2	
-12	+16	+4	2	
-10	+18	+8	2	
-17	+20	+3	4	
-19	+21	+2	4	
-21	+22	+1	4	

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LINE 92

EM. SEA

STN	HC	HH	RES	NULL
18 ⁵	-20	+20	0	1
18 ³	-14	+18	+4	6
16	-17	+18	+1	4
15	-15	+19	+4	2
14	-18	+18	0	2
13	-18	+22	+4	4
12	-17	+20	+3	4
11	-18	+20	+2	4
10	-22	+18	-4	4
9	-11	+15	+4	4
8	-10	+12	+2	2
7	-14	+12	-2	2
6	-12	+10	-2	2
5	-16	+12	-4	2
4	-13	+19	-4	2
3	-10	+12	+4	2
2	-12	+12	0	2
1	-11	+9	-2	2
0	-12	+10	-2	2

LC	LH	RES	NULL	REN
-18	+18	0	9	
-16	+16	0	6	
-15	+16	+1	4	
-16	+20	+4	2	
-19	+20	+1	2	
-16	+20	+4	6	
-13	+20	+5	4	
-22	+22	0	4	
-18	+20	+2	4	
-12	+11	-1	4	
-11	+14	+3	2	
-11	+11	+3	2	
-11	+12	+3	2	
-11	+14	+6	2	
-9	+16	+7	2	
-9	+15	+6	2	
-10	+11	+1	2	
-13	+12	-1	2	
-8	+7	-1	2	

LC	LH	RES	RES	REMARK
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E.M - SEA

JULY 14 1967

LINES:

92+00	STN	1 ^N -24 ^N
88+00	"	24 ^N -6 ^S
84+00	"	0-24 ^N
80+00	"	24 ^N -0

$$\begin{aligned} \Sigma &= 10,200' \\ &= 1.931 \text{ L.M.} \end{aligned}$$

E.M-SEA
JULY 14 1967

STN	HC	HH	RES	NULL
	LINE 92			
1 ^N	-14	+12	-2	6
2 ^N	-12	+12	0	6
3 ^N	-13	+11	-2	4
4 ^N	-13	+12	-1	2
5 ^N	-14	+11	-3	2
6 ^N	-12	+14	+2	2
7 ^N	-10	+11	+1	2
8 ^N	-11	+10	-1	2
9 ^N	-6	+7	+1	2
10 ^N	-7	+6	-1	2
11 ^N	-6	+9	+3	6
12 ^N	-6	+4	-2	2
13 ^N	-4	+4	0	4
14 ^N	-1	+1	0	2
15 ^N	+2	-3	-1	2
16 ^N	+3	-6	-3	2
17 ^N	+4	-9	-5	2
18 ^N	+7	-12	-5	2
19 ^N	+4	-7	-3	2
20 ^N	+8	-8	0	2
21 ^N	+6	-4	+2	2
22 ^N	+5	-3	+2	2
23 ^N	+2	-4	0	2
24 ^N	+2	-3	-1	2

LC	LH	RES.	NULL	REM
-11	+12	+1	4	
-10	+16	+6	4	
-11	+14	+3	4	
-12	+14	+2	2	
-12	+14	+2	2	
-10	+10	0	2	
-11	+9	-2	2	
-9	+9	+1	2	
-7	+10	+3	2	
-7	+6	-1	2	
-6	+8	+2	2	
-6	+6	0	2	
-5	+6	+1	4	
0	-2	-2	2	
+1	-1	0	2	
+3	-9	-6	2	
+6	-11	-5	2	
+7	-9	-2	2	
+6	-11	-5	2	
+5	-10	-5	2	
+7	-8	-1	2	
+3	-4	-1	2	
0	-5	-5	2	
+4	-3	+1	2	

②

E.M. - SEA

JULY 14 / 67

EM-SEA

③

LINE 88

JULY 14/67

STN	HC	OK	HH	RES	Null
24	+4	✓	✓	+2	2
23	-2	✓	✓	-1	2
22	+4	✓	✓	-2	2
21	+4	✓	✓	-4	2
20	+3	✓	✓	-6	2
19	+4	✓	✓	-4	2
18	+5	✓	✓	-4	2
17	+6	✓	✓	-2	2
16	+6	✓	✓	-1	2
15	+5	✓	✓	-1	2
14	+12	✓	✓	?	4
13	-2	✓	✓	+2	2
12	-4	✓	✓	+6-2	2
11	-10	✓	✓	-4	2
10 ^N	-6	✓	✓	-1	2
9	-9	✓	✓	0	2
8	-9	✓	✓	0	2
7	-11	✓	✓	-3	2
6	-16	✓	✓	-2	2
5	-11	✓	✓	+1	2
4	-10	✓	✓	+1	2
3	-11	✓	✓	-3	2
2	-11	✓	✓	0	2
1	-15	✓	✓	-5	4
0	-12	✓	✓	-1	4
1 ^s	-14	✓	✓	0	2
2 ^s	-16	✓	✓	-2	2

(2) 10000 (A)

LL	LH	RES	RES	REMARK
+2	0	+2	2	?
+2	-2	0	2	
+5	-4	+1	2	
+5	-6	-1	2	
+7	-7	0	2	
+6	-11	-5	2	
+8	-9	-1	2	
+8	-9	-1	2	
+6	-8	-2	2	
+5	-5	0	2	
-2	0	-2	4	
-2	+3	+1	2	
-6	+6	0	2	
-8	+7	-1	2	
-8	+8	0	2	
-9	+7	-2	2	
-10	+7	-3	2	
-12	+8	-4	2	
-10	+10	0	2	
-12	+9	-3	2	
-11	+14	+3	2	
-10	+15	+5	2	
-8	+9	+1	4	
-10	+12	+2	4	
-12	+11	-1	4	
-11	+12	+1	2	
-16	+16	0	2	

E.M. - SEA
 JULY 14 1967
 LINE 88

(4)

STN	HC	HH	RES	Muhh
3 ^s	-17	+15	-2	2
4 ^s	-8	+15	+7	2
5 ^s	-9	+10	+1	2
6 ^s	-15	+13	-2	2
7 ^s				

BEST ON LINE
 WITH KILL - LEFT
 LINE UNTIL TOMORROW

LINE 84 E

0	-16	+14	-2	4
1 ²	-4	+13	+9	4
2 ²	-10	+8	-2	4
3 ²	-10	+8	-2	4 6
4 ²	-9	+7	-2	4
5 ²	-9	+9	0	4
6 ²	-10	+11	+1	4
7 ²	-14	+12	-2	4
8 ²	-16	+11	-5	2
9 ²	-11	+9	-2	2
10 ²	-10	+10	0	2
11	-11	+11	0	2
12	-8	+9	+1	2
13	-3	+1	-2	2
14	+7	-2	+5	2
15	+7	-8	-1	2
16	+9	-9	0	6

LC	LH	RES	RES	REMARK
-15	+14	-1	2	
-11	+14	+3	2	
-11	+11	0	2	
-11	+14	+3	2	

-15	+16	+1	4	
-10	+14	+4	4	
-6	+8	+2	2	
-5	+8	+3	4	
-9	+12	+3	4	
-11	+9	-2	4	
-12	+14	+2	4	
-12	+13	+1	4	
-13	+11	-2	2	
-8	+13	+5	3	
-10	+12	+2	4	
-12	+12	0	2	
-10	+10	0	2	
-2	+4	+2	2	
+6	+2	+8	2	
+10	0	+10	2	
+8	-9	-1	6	

Rain stop

Saturday

⑤

E.M. SEA
JULY 14 1967
LINE 87

SN	He	HH	RES	Null
17 ²	+6	-7	-1	6
18 ²	+7	-5	+2	2
19 ²	+6	-9	-3	2
20 ²	+7	-8	-1	2
21 ²	+6	-7	-1	2
22 ²	+3	-8	-5	2
23 ²	+4	-6	-2	2
24 ²	+1	-4	-3	2

LINE 80 E

24 ²	+8	-8	0	4
23 ²	+14	-16	-2	4
22	+11	-21	-10	4
21	+10	-17	-7	4
20	+5	-11	-6	4
19	-6	-3	-9	4
18	-5	-1	-6	4
17	0	-9	-9	8
16	0	-10	-10	6
15	-1	-12	-13	6
14	-3	0	-3	4
13	-7	+4	-3	4
12	-7	+2	-5	4
11	-9	+7	-2	4
10	-8	+5	-3	2
9	-10	+8	-2	4
8	-10	+11	+1	2

LL	kH	RES	RES	REMARK
+8	-7	+1	0	
+4	-9	-5	2	
+4	-7	-3	2	
+8	-10	-2	2	
+6	-7	-1	2	
+7	-11	-4	2	
+7	-4	+3	2	
+4	-4	0	2	

+8	-7	+1	2
+17	-18	-1	4
+14	-18	-4	4
+14	-14	0	4
+5	-3	+2	4
0	0	0	2
-3	0	-3	4
+5	-8	-3	4
+10	-10	0	4
+8	-11	-3	4
+2	-1	+1	4
-6	+5	-1	4
-5	+5	0	2
-6	+8	+2	4
-9	+8	-1	2
-8	+10	+2	4
-11	+10	-1	2

✓ STEEP
HILL ↑

EM - SEA

LINE 80 JULY 14/67

STN	HC	HA	RES	NuHh
7 ^N	-12	+13	+1	2
6 ^N	-8	+11	+3	2
5 ^N	-6	+7	+1	2
4 ^N	-4	+3	-1	2
3 ^N	-10	+7	-3	2
2 ^N	-12	+6	-6	2
1 ^N	-10	+7	-3	2
0	-12	+15	+3	2

0
RULE

LC	LH	RES	RES	REMARK
-9	+15	+6		2
-8	+9	+1		2
-4	+7	+3		2
-5	+4	-1		2
-7	+3	-4		2
-7	+7	0		2
-9	+5	-4		2
-10	+14	+4		4

RAN

⑥⑦

E.M.-SEA

JULY 14 67

STW

HC

HH

RES

Wuhh

E.M. SEA.

LC	LH	RES	RES	REMARK
----	----	-----	-----	--------

July 15, 1967

	LINES	88+00	South	
		84+00	South	
		80+00	South	
		76	STAT. s30 → s4	
		72	STAT s30 → s4	

$\Sigma = 11,700$

OPR D. GAMBLE
J. AKEHURST

① JULY 15 1967
SEA

STN	HC	HH	RES	NUHL
	LINE	88		
7 ^s	-10	+11	+1	2
8 ^s	-15	+13	-2	2
9 ^s	-16	+16	0	2
10 ^s	-15	+17	+2	2
11 ^s	-17	+20	+3	2
12 ^s	-22	+18	-4	2
13 ^s	-19	+18	-1	2
14 ^s	-16	+16	0	2
15 ^s	-16	+16	0	2
16 ^s	-15	+11	-4	2
17 ^s	-16	+19	+3	2
18 ^s	-20	+18	-2	2
19 ^s	-22	+21	-1	2
20 ^s	-15	+9	-6	4
21 ^s	-18	+15	-3	4
22 ^s	-16	+18	+2	4
23 ^s	-16	+23	+7	4
24 ^s	-10	+21	+2	6
25 ^s	-16	+19	+3	4
26 ^s	-18	+17	-1	6
27 ^s	-10	+21	+11	6
28 ^s	-21	+23	+2	4

LC	LH	RES	RES	REMARK
-12	+12	0	4	
-16	+17	+1	2	
-17	+19	+2	2	
-16	+19	+3	2	
-18	+19	+1	2	
-19	+19	0	2	
-16	+21	+5	2	
-15	+17	+2	2	
-15	+15	0	2	
-16	+17	+1	2	
-15	+22	+7	2	
-16	+19	+3	2	
-20	+23	+3	4	
-16	+22	+6	4	
-16	+20	+4	4	
-17	+22	+5	4	
-19	+22	+3	6	
-20	+23	+3	6	
-16	+20	+4	6	
-17	+16	-1	6	
-15	+17	+2	6	
-20	+25	+5	4	

(2)

JULY 15/67

SEA

STN	HC	HA	RES E	Null
	LINE 8④			
30 ^s	-16	+15	-1	4
29 ^s	-18	+18	0	4
28 ^s	-18	+21	+3	4
27 ^s	-19	+19	0	4
26 ^s	-17	+21	+4	4
25 ^s	-15	+18	+3	2
24 ^s	-19	+21	+2	2
23 ^s	-18	+20	+2	2
22 ^s	-20	+19	-1	2
21 ^s	-16	+16	0	2
20 ^s	-14	+17	+3	2
19 ^s	-14	+13	-1	2
18 ^s	-17	+18	+1	2
17	-17	+18	+1	2
16	-15	+20	+5	2
15	-20	+19	-1	2
14	-13	+19	+6	2
13	-14	+17	+3	2
12	-16	+18	+2	2
11	-15	+15	0	2
10	-15	+13	-2	2
9	-16	+15	-1	2
8	-14	+15	+1	2
7	-13	+13	0	2
6	-11	+12	+1	2
5	-15	+9	-6	2

LC	LH	RES	RES	REMARK
-17	+18	+1	4	
-16	+19	+3	6	
-18	+19	+1	6	
-20	+20	0	4	
-20	+18	-2	4	
-16	+19	+3	2	
-18	+18	0	2	
-19	+21	+2	2	
-19	+20	+1	2	
-18	+17	-1	2	
-15	+18	+3	2	
-14	+15	+1	2	
-17	+21	+4	2	
-19	+21	+2	2	
-26	+22	-4	2	
-20	+23	+3	2	
-16	+18	+2	2	
-13	+18	+5	2	
-16	+16	0	4	
-15	+17	+2	2	
-15	+15	0	2	
-15	+15	0	2	
-16	+18	+2	2	
-13	+14	+1	2	
-10	+10	0	2	
-16	+9	-7	2	

July 15 1967

SEA

STN	HC	HH	RES	NULL
	LINE 80	80		
4 ^s	-10	+5	-5	2
3 ^s	-16	+13	-3	2
2 ^s	-16	+16	0	4
1 ^s	-16	+17	+1	4

	LINE 84			
1 ^s	-16	+18	+2	4
2 ^s	-18	+17	-1	6
3 ^s	-15	+13	-2	6
4 ^s	-11	+11	0	6
5 ^s	-7	+9	+2	2
6 ^s	-6	+10	+4	2
7 ^s	-14	+13	-1	2
8 ^s	-17	+17	0	4
9 ^s	-16	+18	+2	2
10 ^s	-18	+17	-1	2
11 ^s	-14	+17	+3	2
12 ^s	-17	+14	-3	2
13 ^s	-16	+12	-4	2
14 ^s	-14	+14	0	2
15 ^s	-18	+18	0	2
16 ^s	-18	+19	+1	2
17 ^s	-18	+23	+5	2
18 ^s	-22	+21	-1	2
19 ^s	-14	+23	+9	4

LC	LH	RES	RES	REMARK
-9	+9	0	2	
-14	+15	+1	2	
-13	+18	+3	4	
-15	+18	+3	4	
-16	+16	0	4	
-19	+19	0	6	
-15	+17	+2	4	
-11	+11	0	6	
-10	+9	-1	2	
-6	+8	+2	2	
-12	+9	-3	2	
-13	+14	+1	4	
-17	+16	-1	2	
-16	+19	+3	2	
-15	+20	+5	2	
-15	+17	+2	2	
-15	+15	0	2	
-15	+12	-3	2	
-19	+19	0	2	
-21	+23	+2	2	
-21	+22	+1	2	
-20	+23	+3	2	
-18	+22	+4	4	

JULY 15/67

3600
2300
1300

(A)

SEA

STN	HC	HH	RES	NUM
20 ^s	-14	+15	+1	2
21 ^s	-17	+16	-1	2
22 ^s	-12	+18	+6	2
23 ^s	-23	+19	-4	4
24 ^s	-15	+17	+2	4
25 ^s	-17	+17	0	4
26 ^s	-17	+17	0	4
27 ^s	-20	+17	-3	4
28 ^s	-16	+19	+3	4
29 ^s	-14	+19	+5	4
30 ^s	-21	+18	-3	2

LINE 80 E (CONTINUED)

31 ^s	-19	+16	-3	4
32 ^s	-24	+21	-3	4
33 ^s	-24	+26	+2	4
34 ^s	-24	+25	+1	4
35 ^s	-20	+20	0	4
36 ^s	-26	+20	-6	6

5 2100
5 2300
10 560

LL	LH	RES	RES	REMARK
-13	+16	+3	2	
-15	+15	0	2	
-17	+17	0	2	
-19	+22	+3	4	
-17	+18	+1	4	
-17	+17	0	4	
-14	+16	+2	4	
-12	+18	+6	4	
-16	+15	-1	4	
-17	+20	+3	4	
-18	+17	-1	2	
-16	+18	+2	4	
-23	+19	-4	4	
-24	+28	+4	4	
-23	+25	+2	4	
-21	+26	+5	4	
-22	+22	0	4	

⑤ JULY 13/67

SEA

STW	HC	HH	RES	Nuuh
	LINE 76			
30 ^s	-20	+19	-1	2
31 ^s	-18	+28	+10	2
32 ^s	-22	+27	+5	2
33 ^s	-24	+22	-2	2
34 ^s	-18	+25	+7	2
35 ^s	-20	+24	+4	6
36 ^s	-25	+23	-2	4
37 ^s	-22	+19	-3	4
38 ^s	-26	+21	-5	4
39 ^s	-21	+14	-7	4
40 ^s	-5	+7	+2	4 ²
41 ^s	-10	0	-10	2
42 ^s	-14	-1	-15	2
43 ^s	-19	-1	-20	2
44 ^s	-22	-2	-22	2
45 ^s	- NO STA.			

LC	LH	RES	RES	REMARK
-18	+16	-2	2	
-21	+24	+3	2	
-20	+23	+3	2	
-18	+24	+6	2	
-23	+25	+2	2	
-21	+23	+2	6	
-20	+19	-1	4	
-20	+22	+2	4	
-26	+20	-6	4	
-22	+14	-8	4	
-4	+10	+7	4	
-8	+3	-5	2	
-13	+2	-11	2	
-17	+3	-14	2	
-18	+12	-6	2	

⑥ July 15/67
SEA

STW	HC	HH	RES	NUM
	LINE 72			
45	-22	+13	-9	2
44	-22	+9	-13	2
43	-21	-2	-23	2
42	-11	-1	-12	2
41	-10	0	-10	2
40	-14	+3	-11	4
39	-24	+13	-11	4
38	-24	+22	-2	4
37	-24	+21	-3	2
36	-30	+24	-6	2
35	-23	+23	0	2
34	-23	+25	+2	2
33	-20	+22	+2	4
32	-24	+24	0	4
31	-25	+23	-2	4
30	-24	+21	-3	4

LC	LH	RES	RES	REMARK
-29	+18	-6	2	
-20	+12	-8	2	
-15	+4	-11	2	
-13	+6	-7	2	
-14	+3	-11	2	
-10	+7	-3	2	
-16	+16	0	4	
-22	+20	-2	4	
-22	+25	+3	2	
-25	+22	-3	6	
-20	+21	+1	2	
-24	+25	+1	2	
-23	+21	-2	4	
-22	+22	0	2	
-20	+20	0	4	
-20	+24	+4	4	

LC	LH	RES	RES	REMARKS
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JULY 16 1967

E.M. - SEA

LINES

LINE	76	-	29 ^S	-	13 ^S
"	72	-	17 ^N	-	29 ^S
"	68	-	30 ^S	-	44 ^S
	64	-	44 ^S	-	2 ^N

$$\Sigma_1 = 12,200'$$

$$= 2.31 \text{ L.M.}$$

① JULY 16 1967 - SEA

STN	HC	'HH	RES	Numb
	LINE 76 ^E			
29 ^s	-20	+21	+1 ✓	2
28 ^s	-20	+17	-3	2
27 ^s	-18	+17	-1	2
26 ^s	-21	+21	0	2
25 ^s	-20	+21	+1	2
24 ^s	-19	+19	0	2
23	-21	+21	0	2
22	-18	+18	0	2
21	-18	+20	+2	2
20	-16	+19	+3	2
19	-18	+13	-5	2
18	-17	+19	+2	2
17	-21	+19	-2	2
16	-20	+19	-1	2
15	-23	+20	-3	2
14	-18	+19	+1	2
13	-20	+18	-2	2
12	-17	+18	+1	2
11	-14	+13	-1	4
10	-13	+13	0	2
9	-12	+12	0	2
8	-12	+14	+2	2
7	-16	+15	-1	2
6	-15	+16	+1	2
5	-13	+12	-1	2
4	-8	+9	+1	2

KC	LH	RES	RES	REMARK
-17	+19	+2	2	
-20	+19	-1	2	
-20	+20	0	2	
-18	+23	+5	2	
-21	+20	-1	2	
-20	+19	-1	2	
-18	+19	+1	2	
-18	+19	+1	2	
-18	+19	+1	2	
-17	+17	0	2	
-17	+16	-1	2	
-16	+17	+1	2	
-19	+18	-1	2	
-19	+19	0	2	
-23	+23	0	2	
-20	+19	-1	2	
-18	+20	+2	2	
-16	+17	+1	2	
-12	+15	+3	4	
-14	+14	0	2	
-13	+13	0	2	
-14	+15	+1	2	
-15	+17	+2	2	
-15	+14	-1	2	
-12	+13	+1	2	
-9	+9	0	2	

③

July 16/67

SEA

STN	HC	HH	RES	NULL
LINE 76				
3 ^s	-12	+9	-3	4
2 ^s	-16	+11	-5	2
1 ^s	-16	+12	-4	6
0	-14	+11	-3	2
1 ^N	-14	+16	+2	2

LINE 72 ^E				
1 ^N	-17	+5	-12	8
0	-13	+6	-9	4
1 ^s	-9	+3	-6	2
2 ^s	-10	+3	-7	2
3 ^s	-7	+4	-3	2
4 ^s	-5	+9	-6	2
5 ^s	-14	+10	-4	2
6 ^s	-16	+10	-6	2
7 ^s	-12	+11	-1	2
8 ^s	-9	+13	+4	2
9 ^s	-19	+9	-10	2
10 ^s	-19	+11	-8	2
11 ^s	-16 -16	+15	-1	2
12 ^s	-21 -22	+15	-7	2
13 ^s	-18	+18	0	2
14 ^s	-20	+21	+1	2
15 ^s	-24	+22	-2	2
16 ^s	-21	+19	-2	2

LC	LH	RES	RES	REMARK
-10	+8	-2	4	
-13	+10	-3	2	
-12	+13	+1	4	
-12	+13	+1	2	
-15	+13	-2	2	

~~RES~~

-10	+11	+11 +1	6	
-8	+9	+9 +1	4	
-9	+4	+4 -5	2	
-7	+7	+7 0	2	
-10	+7	+7 -3	2	
-11	+11	+11 0	2	
-12	+11	+11 -1	2	
-13	+11	+11 -2	2	
-10	+12	+12 +2	2	
-14	+11	+11 -3	2	
-14	+15	+15 +1	2	
-18	+14	+14 -4	2	
-16 +16	+16	+16 0	2	
-17 +16	+16	+16 -1	2	
-19	+19	+19 0	-19 2	
-20	+22	+22 +2	2	
-20	+20	+20 0	2	
-20	+20	+20 0	2	

③ July 16/67
SEA

STN	HL	HH	RES	NULL
	LINE 72			
17 ^s	-21	+19	-2	4
18 ^s	-18	+16	-2	4
19 ^s	-18	+16	-2	4
20 ^s	-21	+16	-5	2
21 ^s	-20	+19	-1	2
22 ^s	-20	+19	-1	2
23 ^s	-20	+19	-1	2
24 ^s	-17	+17	+5	2
25 ^s	-17	+18	+1	2
26 ^s	-20	+20	0	2
27 ^s	-20	+20	0	2
28 ^s	-17	+20	+3	4
29 ^s	-18	+17	-1	2

LC	LH	RES	RES	REMARK
-16	+17	+1	4	
-16	+15	-1	1	
-15	+16	-3	4	
-20	+19	-1	2	
-20	+19	-1	2	
-22	+20	-2	2	
-18	+17	-1	2	
-19	+20	+1	2	
-20	+21	+1	2	
-19	+19	0	2	
-20	+20	0	2	
-19	+18	-1	4	
-17	+19	+2	2	

④

July 16/67
SEA

STN	HC	HH	RES	NULL
	LINE 68			
30 ^s	-14	+26	+12	2
31 ^s	-20	+25	+5	2
32 ^s	-24	+24	0	6
33 ^s	-20	+20	0	4
34 ^s	-22	+17	-5	4
35 ^s	-24	+20	-4	4
36 ^s	-22	+25	+3	2
37 ^s	-27	+27	0	4
38 ^s	-25	+20	-5	4
39 ^s	-18	+9	-9	4 2
40 ^s	-15	+6	-9	2
41 ^s	-10	+5	-5	2
42 ^s	-15	+9	-6	2
43 ^s	-23	+13	-10	2
44 ^s	-26	+14	-12	2

LC	LH	RES	RES	REMARK
-16	+20	+4	2	
-29	+26	+2	2	
-23	+22	-1	4	
-22	+19	-3	4	
-20	+22	+2	4	
-20	+22	+2	4	
-23	+23	0	2	
-22	+25	+3	2	
-19	+22	+3	2	
-18	+13	-5	2	
-13	+9	-4	2	
-11	+6	-5	2	
-6	+11	+5	2	
-17	+17	0	2	
-20	+19	-1	2	

⑤ July 16/67
SEA

STN	HC	HH	RES	NUM
	LINE 64E			
44 ^s	-17	+15	-2	2
43 ^s	-16	+14	-2	2
42 ^s	-16	+11	-5	2
41 ^s	-17	+12	-5	2
40 ^s	-11	+11	0	2
39 ^s	-15	+17	+2	2
38	-19	+16	-3	2
37	-20	+19	-1	2
36	-20	+23	-3	2
35	-22	+23	+1	2
34	-22	+21	-1	2
33	-22	+21	-1	2
32	-20	+23	+3	2
31	-19	+22	+3	2
30	-27	+21	-6	2
29	-20	+19	-1	2
28	-17	+21	+4	2
27	-13	+17	+4	2
26	-15	+15	0	2
25	-17	+19	+2	2
24	-23	+22	-1	2
23	-18	+20	+2	2
22	-20	+22	+2	2
21	-20	+21	+1	2
20	-19	+19	0	2
19	-20	+20	0	2

-16	+16	0	2
-17	+16	-1	4
-15	+13	-2	2
-10	+12	+2	4
-13	+12	-1	2
-16	+15	-1	2
-19	+17	-2	2
-22	+21	-1	2
-21	+21	0	2
-20	+24	+4	2
-22	+22	0	2
-22	+25	+3	2
-21	+23	+2	2
-20	+21	+1	4
-20	+20	0	2
-20	+21	+1	2
-22	+22	0	2
-16	+19	+3	2
-18	+18	0	2
-22	+18	-4	2
-17	+19	+2	2
-17	+22	+5	2
-18	+18	0	2
-19	+19	0	2
-20	+18	-2	2
+19	+21	+2	2

⑥ July 16/67
SEA

STN	HC	HH	RES	NUHL
LINE 64E				
18 ^s	-22	+21	-1	2
17 ^s	-20	+18	-2	2
16 ^s	-14	+15	+1	2
15 ^s	-14	+19	+5	2
14 ^s	-16	+19	+3	2
13 ^s	-15	+17	+2	6
12 ^s	-17	+19	+2	2
11 ^s	-17	+18	+1	4
10 ^s	-12	+13	+1	4
9	-8	+12	+4	2
8	-12	+11	-1	2
7	-10	+7	-3	2
6	-12	-2	+14	2
5	-3	+7	+4	4
4	-2	+10	+3	4
3	-7	+12	+5	2
2	-8	+15	+7	6
1	-16	-11	-27	4
0 _N	-13	0	-13	2
1 _N	-14	-1	-15	4
2 _N	-11	+5	-6	6

LC	LH	RES	RES	REMARK
-22	+19	-3	2	
-16	+19	+3	2	
-16	+17	+1	2	
-18	+17	-1	2	
-17	+16	-1	2	
-16	+19	+3	6	
-18	+19	+1	2	
-12	+17	+5	6	
-12	+16	+4	4	
-14	+13	-1	2	
-13	+12	-1	2	
-12	+9	-3	2	
-9	+5	-4	2	
-5	+9	+4	6	
-8	+11	+3	4	
-10	+10	0	2	
-10	+7	-3	2	
-12	-1	-13	4	
-13	+3	-10	2	
-14	+5	-9	4	
-8	+4	-4	6	

STN	HE	HH	RES	NUM
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3				
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LC	LH	RES	NULL	REMARKS
----	----	-----	------	---------

July

17/67

line 68E into 29S

= 3000'

RAIN

① JULY 17/67
SEA

STA	HC	HH	RES	NULL
	LINE 68 ^E			
1 ^N	-14	+3	-11	6
0	-14	-2	-16	4
1 ^S	-12	+11	-1	4
2 ^S	-9	+14	+5	2
3 ^S	-7	+7	0	4
4	-8	-1	-9	2
5	-20	0	-20	6
6	-15	+11	-4	2
7	-13	+9	-4	2
8	-10	+13	+3	2
9	-12	+11	-1	2
10	-18	+13	-5	2
11	+4	+17	+3	2
12	-16	+17	+1	2
13	-19	+19	0	2
14	-19	+20	+1	2
15	-19	+19	0	2
16	-19	+17	-2	2
17	-20	+19	-1	2
18	-17	+15	-2	2
19	-18	+17	-1	2
20	-20	+19	-1	2
21	-20	+19	-1	4
22	-21	+19	-2	2
23	-21	+20	-1	2
24	-18	+19	+1	4

L C	L A	RES	NULL
-9	+7	-2	1
-10	+5	-5	1
-10	+9	-1	4
-9	+11	+2	2
-8	+10	+2	2
-12	+6	-6	2
-15	+8	-7	0
-13	+10	-3	2
-10	+10	0	2
-11	+11	+4	2
-13	+12	-1	2
-12	+13	+1	2
-15	+16	+1	4
-17	+19	+2	4
-20	+20	0	2
-22	+21	-1	2
-19	+19	0	2
-19	+18	-1	2
-18	+17	-1	2
-18	+17	-1	2
-21	+19	-2	2
-18	+21	+3	2
-19	+20	+1	2
-17	+17	0	2
-19	+20	+1	2
-18	+19	0	2

② July 17/67
SEA

STA	RC	HH	RES	NULL
	LINE 69			
25	-18	+19	+1	2
26	-20	+19	-1	2
27	-21	+21	0	2
28	-21	+19	-2	2
29	-21	+18	-3	4

LC	LH	TRÉS	NULL
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-18	+18	0	2
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-20	+19	-1	2
-----	-----	----	---

-21	+22	+1	2
-----	-----	----	---

+20	+22	+2	2
-----	-----	----	---

-22	+21	-1	2
-----	-----	----	---

③ July 17/67
SEA

STA	HC	HH	RES	NULL
30 ^s				
29				
28				
27				
26				
25				
24				
23				
22				
21				
20				
19				
18				
17				
16				
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12				
11				
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9				
8				
7				
6				
5				

RAINED

OUT

LL	LH	RES	NULL
----	----	-----	------

July 18/67

Lines 60 + 00 E
56 + 00 E
52 + 00 E
48 + 00 E

= 16,500 feet

= 3.30 line miles

D. GAMBLE
J. ALBERT

① July 1967
-SEA-

LINE 60E

STA	HC	HH	RES	NULL
30	-21	+19	-2	6
29	-24	+19	-5	2
28	-21	+21	0	4
27	-22	+19	-3	2
26	-18	+17	-1	2
25	-19	+18	-1	6
24	-18	+19	+1	4
23	-18	+21	+3	2
22	-20	+21	+1	2
21	-20	+19	-1	2
20	-20	+21	+1	6
19	-20	+23	+3	2
18	-20	+19	-1	2
17	-22	+18	-4	2
16	-19	+15	-4	2
15	-18	+14	-4	2
14	-18	+16	-2	2
13	-18	+17	-1	2
12	-17	+18	+1	2
11	-18	+17	-1	2
10	-15	+13	-2	2
9	-14	+13	-1	4
8	-16	+11	-5	2
7	-14	+12	-2	0
6	-16	+7	-9	0
5	+5	+1	-14	6
4	-17	+1	-16	4

LC	LH	RES	WIND
-20	+21	+1	4
-21	+21	0	4
-20	+20	0	4
-18	+21	+3	2
-19	+18	-1	2
-21	+20	-1	4
-22	+20	-2	4
-20	+21	+1	2
-21	+22	+1	2
-18	+20	+2	2
-22	+20	-2	4
-23	+20	-3	2
-20	+20	0	2
-18	+20	+2	2
-19	+17	-1	2
-13	+16	+3	2
-16	+14	-2	2
-16	+15	-1	2
-15	+15	0	2
-15	+14	-1	2
-16	+15	-1	2
-12	+10	-2	2
-10	+12	+2	2
-13	+7	-6	2
-12	+9	-3	2
-8	+6	-2	2
-9	+5	-4	2

down by
E-W

② July 18/67
SEA

STA	HC	HH	RES	NULL
		LINE	60	
3 ^s	-12	+5	-7	6
2 ^s	-4	+6	+2	6
1 ^s	-7	+3	+1	8
0	-12	+3	-9	4
1 ⁿ	-15	-3	-18	4
2 ⁿ	-18	-9	-27	4

STA	HC	HH	RES	NULL
		LINE	56	
2 ⁿ	-17	-9	-26	2
1 ⁿ	-20	-1	-21	2
0	-17	-1	-18	2
1 ^s	-16	0	-16	2
2 ^s	-15	-1	-16	2
3 ^s	-13	0	-13	2
4 ^s	-15	+1	-14	5
5 ^s	-14	+6	-8	6
6 ^s	-14	+5	-9	6
7 ^s	-11	+9	-2	4
8	-12	+9	-3	4
9	+14	+14	0	4
10	-15	+17	+2	2
11	-18	+18	0	2
12	-15	+17	+2	2
13	-16	+14	-2	2
14	-14	+13	-1	2
15	-17	+14	-3	2

CC | LH | RES | NUM

-14	+17	+3	1
-8	+8	0	1
-15	+5	-10	1
-18	+1	-17	2
-12	+1	-11	1
-13	-1	-14	1

-12	+4	-8	2
-15	+5	-10	2
-15	-4	-19	2
-14	+6	-8	4
-11	+6	-5	2
-10	+5	-5	2
-10	+11	+6	6
-10	+9	+1	4
-12	+11	-1	4
-13	+9	-4	4
-12	+12	0	4
-11	+14	+3	2
-15	+18	+3	2
-17	+18	+1	2
-16	+15	-1	2
-14	+13	-1	2
-13	+14	+1	2
-14	+16	+2	2

③ July 18/67
SEA

STATION	HC	H/A	RES	NULL
		LINE	56	
16	-20	+17	-3	4
17	-16	+16	0	4
18	-20	+17	-3	4
19	-19	+18	-1	2
20	-18	+17	-1	2
21	-21	+20	-1	2
22	-24	+22	-2	2
23	-19	+19	0	2
24	-20	+18	-2	2
25	-16	+19	+3	2
26	-19	+21	+2	2
27	-20	+23	+3	2
28	-21	+21	0	2
29	-18	+19	+1	2
30	-22	+21	-1	2
31	-18	+20	+2	2
32 ^s	-21	+23	+2	2
33 ^s	-20	+19	-2	2
34 ^s	-22	+20	-2	2
35 ^s	-20	+19	-1	2
36 ^s	-18	+17	-1	2
37	-18	+13	-5	2
38	-14	+12	-2	2

CC	LH	RES	WILL
-14	+18	+4	2
-18	+16	-2	2
-18	+18	-1	2
-16	+19	+3	2
-17	+19	+2	2
-19	+19	0	2
-21	+21	0	2
-19	+19	0	2
-18	+20	+2	2
-18	+20	+2	2
-19	+19	0	2
-20	+20	0	2
-20	+23	+3	2
-22	+20	-2	2
-20	+22	+2	2
-21	+22	+1	2
-22	+24	+2	2
-21	+21	0	2
-20	+19	-1	2
-19	+20	+1	2
-17	+16	-1	2
-16	+15	-1	2
-13	+14	+1	2

CP
 8620
 4 POS

④ July 19/67
SEA

STA	HC	HIA	RES	NULL
	LINE 60E			
43 ^s	-21	+15	-6	2
42 ^s	-19	+15	-4	2
41 ^s	-15	+14	-1	2
40 ^s	-10	+11	+1	2
39 ^s	-13	+14	+1	4
38 ^s	-14	+14	0	2
37	-20	+15	-5	4
36	-20	+19	-1	9
35	-18	+18	0	4
34	-22	+22	0	4
33	-21	+23	+2	4
32	-24	+22	-2	4
31	-22	+23	+1	4

LC	LA	RES	NULL
----	----	-----	------

-19	+16	-3	2
-16	+16	0	4
-16	+12	-4	2
-13	+13	0	6
-16	+15	-1	2
-14	+17	+3	2
-16	+19	+3	4
-18	+17	+1	4
-20	+14	-6	8
-20	+23	+3	6
-20	+22	+2	6
-20	+22	+2	4
-23	+21	-2	4

⑤ July 18/67
SEA

STA	HC	HIA	RES	NULL
		LINE - 52		
30 ^s	-20	+19	-1	4
29 ^s	-20	+23	+3	2
28	-22	+24	+2	4
27	-21	+25	+4	2
26	-22	+27	+5	2
25	-21	+24	+3	2
24	-19	+21	+2	4
23	-20	+20	0	2
22	-24	+23	-1	2
21	-22	+23	+1	2
20	-23	+25	+2	2
19	-20	+22	+2	2
18	-20	+18	-2	4
17	-19	+17	-2	2
16	-16	+15	-1	2
15	-17	+14	-3	2
14	-16	+13	-3	2
13	-14	+12	-2	2
12	-16	+12	-4	4
11	-16	+15	-1	5
10	-20	+19	-1	2
9	-18	+18	0	4
8	-17	+15	-2	4
7	-12	+12	0	4
6	-13	+9	-4	3
5	-12	+9	-3	3

LC	LH	RES	NUM
-22	+24	+2	4
-20	+25	+5	2
-24	+22	-2	4
-20	+24	+4	2
-21	+20	-1	2
-22	+23	+1	2
-17	+20	+3	2
-18	+19	+1	2
-21	+23	+2	2
-19	+22	+3	2
-16	+23	+7	2
-22	+19	-3	2
-19	+21	+2	2
-18	+16	-2	2
-18	+17	-1	2
-16	+17	+1	2
-15	+13	-2	2
-11	+11	0	2
-15	+11	-4	2
-16	+18	+2	4
-17	+17	0	2
-14	+13	-1	4
-14	+16	+2	4
-10	+11	+1	2
-8	+7	-1	2
-8	+8	0	2

old down
line E

old read

④ July 18/67
SEA

STA	HC	H/A	RES	NULL
		LINE	52E	
4 ^s	-14	+6	-8	10
3 ^s	-16	-1	-17	8
2 ^s	-13	-1	-16	6
1 ^s	-11	+1	-10	6
0	-14	+5	-9	2
1 ⁿ	-22	+5	-17	4
2 ⁿ	-27	+1	-26	6
3 ⁿ	-24	+3	-21	8

		LINE	48 ^E	
3 ⁿ	-6	+2	-4	2
2 ⁿ	-8	+11	+3	2
1 ⁿ	-8	+2	-6	2
0	-8	+1	-7	2
1 ^s	-16	-12	-4	2
2 ^s	-14	+7	-7	10
3	-9	+4	-5	6
4	-9	+3	-6	6
5	-9	+4 ⁽⁴⁾	-5	10
6	-8	+9	+1	6
7	-18	+16	-2	2
8	-18	+16	-2	2
9	-17	+13	+1	2
10	-17	+13	-4	6
11	-16	+9	-7	2

LC	LH	RES	NULL	
-2	+5	-3	4	
-13	+9	-4	4	
-12	+9	-3	4	
-10	+8	-2	2	branch
-14	+8	-6	2	road
-12	+8	-6	6	
-17	+7	-10	6	
-14	+4	-10	10	
-6	+5	-1	2	
-8	+13	+5	2	
-9	+9	0	2	
-7	+3	-4	2	
-14	0	-14	2	
-10	+9	-1	4	
-5	+5	0	4	
-6	+5	-1	4	
-8	+10	+9	4	
-9	+10	+1	4	
-11	+15	+4	2	
-14	+17	+3	2	
-16	+14	-2	2	old road
-14	+14	0	2	
-8	+10	+2	2	

⑦ July 18/67
SEA

STA	HC	HH	RES	Null
		LINE	48 ^E	
12	-12	+8	-4	2
13	-14	+15	+1	2
14	-17	+13	-4	2
15	-21	+21	0	2
16	-20	+16	-4	2
17	-17	+18	+1	2
18	-19	+21	+2	2
19	-24	+22	-2	2
20	-20	+21	+1	2
21	-21	+18	-3	2
22	-18	+20	+2	2
23	-26	+20	-6	4
24	-20	+21	+1	2
25	-22	+18	-4	2
26	-22	+22	0	2
27	-22	+27	+5	2
28	-26	+20	-6	2
29	-22	+21	-1	2
30	-20	+23	+3	2
31	-22	+18	-4	2
32	-21	+19	-2	2
33	-21	+17	-3	2
34	-16	+15	-1	2
35	-16	+13	-3	2
36	-11	+14	+3	2
37 ^s	-12	+13	+1	2

LC	LH	RES	NULL
-10	+11	+1	2
-14	+14	0	2
-16	+8	-8	2
-22	+23	+1	2
-16	+19	+3	2
-16	+20	+4	2
-18	+20	+2	2
-19	+23	+4	2
-20	+25	+5	2
-17	+23	+6	2
-19	+17	-2	2
-14	+19	+5	2
-22	+20	-2	2
-20	+21	+1	2
-22	+20	-2	2
-20	+24	+4	2
-22	+21	-1	2
-25	+20	-1	2
-19	+21	+2	2
-18	+19	+1	2
-19	+20	+1	2
-19	+19	0	2
-18	+17	-1	2
-16	+17	+1	2
-9	+12	+3	2
-12	+18	+6	2

⑧ July 18/67
SEA

STAT	AC	HA	RES	NULL
LINE SIZE				
37 ⁸	-14	+13	-1	2
36 ⁵	-17	+15	-2	2
35 ⁵	-19	+17	-2	2
34	-18	+19	+1	4
33	-18	+21	+3	2
32	-21	+21	0	2
31	-20	+23	+3	2

⑨ July 18/67
SEA

LC	L-H	RES	NULL
	Line 52		
-14	+13	-1	2
-16	+14	-2	2
-17	+16	-1	2
-20	+20	0	2
-20	+19	-1	2
-19	+22	+3	2
-17	+24	+7	2

STA HC H H RES JULI

LC	LA	RES	NULL
----	----	-----	------

SEA GROUP

JULY 19

LINES

44E	-	4 ^N	-	36 ^S
40E	-	4 ^N	-	36 ^S
36E	-	30 ^S	-	4 ^N
32E	-	4 ^N	-	7S

Total Footage = 13,500'

Total Line Miles = 2.367424

- Boy!

July 19/67
SEA

STA	AC	H/W	RES	WUL
	LINE 4 E			
30 ^s	-16	+23	+7	2
29 ^s	-18	+17	-1	2
28	-21	+19	-2	2
27	-21	+22	+1	4
26	-22	+20	-2	2
25	-18	+17	-1	2
24	-17	+16	-1	2
23	-17	+18	+1	2
22	-21	+17	-4	2
21	-23	+18	-5	6
20	-24	+25	+1	4
19	-25	+24	-1	2
18	-22	+19	-3	2
17	-22	+21	-1	6
16	-22	+18	-4	4
15	-21	+18	-3	4
14	-24	+21	-3	2
13	-21	+16	-5	2
12	-17	+9	-8	4
11	-15	+7	-8	2
10	-15	+8	-7	8
9	-16	+11	-5	4
8	-16	+11	-5	6
7	-18	+12	-6	2
6	-12	+11	-1	2
5	-10	+5	-5	2

LU	LH	RES	NUM
-16	+17	+1	2
-21	+16	-5	2
-19	+20	+1	2
-20	+21	+1	4
-19	+21	+2	2
-19	+17	-2	2
-18	+17	-1	2
-19	+17	-2	2
-18	+19	+1	2
-20	+20	0	2
-22	+23	+1	2
-22	+26	+4	2
-17	+17	0	2
-21	+20	-1	4
-18	+20	+2	2
-17	+18	+1	2
-22	+22	0	2
-18	+21	+3	2
-15	+16	+1	2
-10	+10	0	2
-8	+10	+2	2
-10	+11	+1	2
-11	+13	+2	2
-15	+14	-1	2
-15	+14	-1	2
-5	+9	+4	2

Post 1
8619
4 posts

old road
E-CU

② July 19 / 67
SEA

STA	HC	HH	RES	NULL
LINE 44E				
4 ^s	-5	+4	-1	A
3 ^s	-8	+1	-7	C
2 ^s	-12	+1	-11	A
1 ^s	-10	-7	-17	2
0	-15	-6	-21	2
1 ⁿ	-9	+1	-8	2
2 ²	-6	+3	-3	2
3 ²	-12	+1	-11	2
4 ²	-14	-5	-19	2
LINE 90E				
4 ⁿ	-22	+4	-18	A
3 ⁿ	-16	+4	-12	2
2 ⁿ	-12	+1	-11	2
1 ⁿ	-8	+3	-5	2
0	-9	-5	-4	A
1 ^s	-9	-3	-12	S
2 ^s	-8	-1	-9	S
3 ^s	-8	+3	-5	S
4 ^s	-10	4	-6	4
5	-18	10	-8	2
6	-12	13	+1	2
7	-12	11	-1	2
8	-14	8	-6	2
9	-12	5	-7	+6
10	-14	10	-4	2

LC	LH	RES	NULL	
-4	+1	-3	2	road e
-4	+2	-2	6	
-4	0	-4	4	
-8	-1	-9	2	
-9	0 0	-9	2	
-10	8 +4	-4	2	
-10	8 +9	+4	2	
-10	2 +2	-8	2	
-13	-3	-16	2	
			1	
-14	+8	-6	6	
-10	+5	-5	2	
-9	+4	-5	2	
-8	+13	+5	2	
-4	-1	-5	4	
-3	-2	-5	4	
-5	+1	-4	4	
-4	+3	-1	2	
-4	+5	+1	2	road e
-11	+11	0	2	
-10	+11	+1	2	
-12	+12	0	2	
-6	+15	+9	2	
-8	+8	0	2	
-9	+14	+5	2	

July 19/67
SEA

STA	HC	HII	RES	NUM
		LINE 406		
11	-24	+15	-9	2
12	-24	+20	-4	2
13	-21	+17	+4	2
14	-20	+15	-5	2
15	-16	+14	-2	2
16	-14	+15	+1	2
17	-22	+19	-3	2
18	-25	+20	-5	2
19	-20	+19	-1	4
20	-19	+16	-3	2
21	-18	+18	0	2
22	-20	+19	-1	2
23	-24	+23	-1	2
24	-25	+25	0	2
25	-24	+23	-1	2
26	-22	+21	-1	2
27	-16	+17	+1	2
28	-19	+16	-3	2
29	-18	+18	0	2
30	-14	+16	+2	2
31	-16	+16	0	2
32	-13	+14	+1	2
33	-11	+11	0	2
34	-10	+12	+2	2
35	-15	+8	-7	2
36	-12	+11	-1	2

LC	LH	RES	NULL	
-20	+19	-1	2	
-19	+23	+4	2	
-20	+20	0	2	old road road road
-18	+17	-1	2	
-19	+13	-1	2	
-14	13 +13	-1	2	
-18	+23	+5	2	
-21	+23	+2	2	
-18	+18	0	2	
-16	+14	-2	2	
-17	+16	-1	2	
-19	+23	+4	2	
-24	+23	-1	2	old road E.W.
-22	+24	+2	2	
-23	+24	+1	2	
-21	+21	0	2	
-18	+19	+1	2	
-18	+17	-1	2	old road
-19	+16	-3	2	
-15	+14	-1	2	
-14	+18	+4	2	
-13	+13	0	2	
-10	+13	+3	2	
-11	+13	+2	2	
-9	+6	-3	2	
-8	+9	+1	2	

④ July 19/67
SEA

STA	HC	WH	RES	NULL
LINE 40				
37				
36 ^s	-9	+11	+2	2
35 ^s	-12	+11	-1	2
34 ^s	-15	+13	-2	2
33	-15	+14	-1	2
32	-16	+17	+1	2
31	-19	+19	0	2
LINE 36				
30 ^s	-17	+12	-5	2
29 ^s	-17	+14	-3	2
28	-14	+15	+1	2
27	-14	+14	0	2
26	-18	+17	-1	2
25	-16	+18	+2	4
24	-23	+23	0	6
23	-26	+25	-1	4
22	-21	+27	+6	4
21	-24	+24	0	4
20	-21	+19	-2	6
19	-16	+15	-1	8
18	-16	+15	-1	8
17	-16	+17	+1	6
16	-22	+17	-5	2
13	-19	+15	-4	2

LC | LH | RES | NULL

-12	+12	-1	2
-13	+9	-4	2
-13	+11	-2	2
-15	+14	-1	2
-12	+18	+1	2
-1	+17	0	2
?			
-15	+13	-2	2
-14	+15	+1	2
-14	+16	+2	2
-16	+15	-1	2
-19	+17	-2	2
-17	+19	+2	4
-18	+22	+4	2
-24	+24	0	2
-21	+26	+5	2
-25	+25	0	2
-19	+20	+1	2
-15	+17	+2	2
-18	+18	0	2
-19	+20	+1	2
-18	+18	0	2
-17	+16	+2	2

⑤ July 19/67
SEA

STA	HC	HH	RES	NULL
		LINE 36		
14	-15	+9	-6	2
13	-8	+3	-5	2
12	-16	+11	-5	2
11	-17	+19	+2	2
10	-24	+20	-1	2
9	-26	+21	-5	2
8	-14	+11	-3	2
7	-16	+15	-1	2
6	-10	+13	-5	2
5	-17	+12	-5	2
4	-15	+10	-5	2
3 ^s	-12	+3	-9	2
2 ^s	-4	-2	-6	2
1 ^s	-6	-3	-9	6
0	-8	-1	-9	6
1 ⁿ	-7	-5	-12	6
2 ⁿ	-10	-4	-14	6
3 ⁿ	-15	-5	-20	2
4 ⁿ	-20	+1	-19	2

LC	ULH	RES	NULL	
-11	+8	-3	2	
-15	+3	-12	6	
-11	+12	+1	2	
-23	+20	-3	2	
-25	+21	-4	2	
-22	+23	+1	2	
-14	+13	-1	2	
-11	+9	-2	2	
-15	+11	-4	2	
-14	+13	-1	2	road
-8	+9	+1	2	
-6	+4	-2	2	
-2	-1	-3	2	
-2	0	-2	2	
0	-3	-3	4	
-3	+1	-2	4	old road
-8	0	-8	4	
-6	+5	-1	2	
-12	+5	-7	4	

⑥

July 19/67

STA	HC	HA	RES	NULL
		INE	324	
4 ^N	-14	-2	-16	A
3 ^N	-12	-2	-14	A
2 ^N	-10	-5	-15	A
1 ^N	-9	-7	-16	A
0	-6	-4	-10	A
1 ^S	-10	-3	-13	A
2 ^S	-12	0	+2	A
3 ^S	-14	+7	-7	A
4 ^S	-18	+12	-6	A
5 ^S	-13	+9	-4	A
6 ^S	-12	+7	-5	A
7 ^S	-13	+9	-4	A
8 ^S				
9 ^S				

LC	LH	RES	NULL
-6	+3	-3	4
-1	-1	-4	2
-3	0	-3	2
-5	+1	-5	2
-4	0	-4	2
-6	+3	-3	2
-7	+5	-2	2
-12	+9	-3	2
-12	+10	-2	2
-11	+11	0	2
-10	+9	-1	2
-9	+12	+3	2

STA	MC	HA	RES	NUM
			8+	
			1-	
			0	
			1+	
			0	
			8+	
			2+	
			P+	
			0	
			1-	
			8+	

LC

LH

RES

NULL

July 20 / 67

Lines32+00^E - 8^S - 36^S36+00^E - 36^S - 31^S28+00^E - 30^S - 36^S24+00^E - 36^S - 18^N28+00^E - 18^N - 7^S

Total Footage = 11,900

Total Line Miles = 2.253788

① July 20/67

SEA

STA	HC	HH	RES	NULL
	WNE 32			
8 ^s	-18	+16	-2	2
9 ^s	-24	+23	-1	2
10 ^s	-22	+21	-1	2
11 ^s	-17	+17	0	2
12 ^s	-12	+7	-5	4
13	-7	+5	-2	2
14	-10	+10	0	2
15	-14	+9	-5	2
16	-18	+15	-3	2
17	-20	+15	-5	2
18	-17	+18	+1	2
19	-23	+21	-2	2
20	-22	+24	+2	2
21	-26	+29	+3	2
22	-26	+24	-2	2
23	-18	+22	+4	2
24	+21	+20	-1	4
25	-20	+20	0	2
26	-14	+19	+5	2
27	-18	+15	-3	2
28	-11	+13	+2	2
29	+12	+11	-1	2
30	-10	+11	+1	2
31	-12	+6	-6	2
32	-12	+6	-6	4
33	-6	+3	-3	2

LC	LH	RES	NULL
-13	+19	+6	2
-13			
-23	+25	+2	2
-25	+23	-2	2
-16	+18	+2	2
-8	+11	+3	2
-5	+11	+6	2
-8	+9	+1	2
-14	+16	+2	2
-16	+15	-1	2
-15	+16	+1	2
-15	+20	+5	2
-23	+23	0	2
-22	+27	+5	2
-26	+28	+2	2
-23	+27	+4	2
-20	+19	-1	2
-18	+20	+2	2
-15	+17	+2	2
-14	+21	+7	2
-14	+16	+2	2
-12	+14	+2	2
-10	+9	-1	2
-10	+9	-1	2
-6	+7	+1	2
-7	+5	-2	2
-3	+4	+1	2

del
road

road
E

② July 20/67
SEA

STA	HC	HH	RES	NULL
LINE 32				
34	-7	+4	-3	2
35	-7	0	-7	2
36	-7	+4	-3	2
LINE 36 ^E				
36	-6	+6	0	2
35	-4	+7	+3	2
34	-8	+4	-4	2
33	-6	+5	-1	2
32	-7	+8	+1	2
31	-9	+15	+6	2
LINE 28 ^E				
30 ^s	-8	+6	-2	2
31 ^s	-10	+0	-10	2
32 ^s	-6	+3	-3	2
33 ^s	-14	+3	-11	2
34 ^s	-10	0	-10	2
35 ^s	-6	+1	-5	2
36 ^s	-10	+5	-5	2

~~LINE~~

LC	LH	RES	NULL
-5	+5	0	2
-4	+7	+3	2
-5	+9	+4	2
-9	+7	-2	2
-10	+8	-2	2
-6	+6	0	2
-5	+7	+2	2
-9	+9	0	2
-12	+11	-1	2
-12	+10	-2	2
-8	+5	-3	2
-4	+6	+2	2
-5	+2	-3	2
-3	+4	+1	2
-5	+3	-2	2
-3	+6	+3	2

NOTE

500
spacing

→ 400'
spacing

③ July 20/67
SEA

STA	HC	HA	RES	NULL
	LINE 24			
36 ^s	-8	+4	-7	2
35	-7	-1	-8	2
34	-6	+4	-2	2
33	-7	+8	+1	2
32	-10	+5	-5	4
31	-7	+7	0	4
30	-7	+8	+1	2
29	-7	+11	+4	2
28	-16	+16	0	2
27	-24	+16	-8	2
26	-17	+19	+2	2
25	-23	+14	-9	2
24	-16	+7	-9	2
23	-14	+9	-5	2
22	-18	+11	-7	2
21	-18	+15	-3	2
20	-17	+18	+1	2
19	-22	+23	+1	2
18	-25	+23	-2	2
17	-19	+23	+4	2
16	-15	+16	+1	2
15	-11	+12	+1	2
14	-9	+6	-3	2
13	-13	+0	-13	4
12	-14	+8	-6	6
11	-10	+21	+11	2

LC	LIA	RES	NULL
-4	+1	-3	2
-2	+3	+1	2
-6	+5	-1	2
-7	+7	0	2
-9	+6	-3	2
-9	+9	0	2
-7	+9	+2	2
-9	+13	+4	2
-16	+17	+1	2
-18	+20	+2	2
-15	+21	+6	2
-12	+16	+4	2
-11	+11	0	2
-11	+10	-1	2
-12	+12	0	2
-16	+19	+3	2
-16	+19	+3	2
-20	+24	+4	2
-26	+25	-1	2
-22	+21	-1	2
-15	+18	+3	2
-9	+13	+4	2
-4	+5	+1	2
0	+1	1	2
-11	+11	0	2
-16	+19	+3	2

old read

④ July 20/67
SEA.

STA	HK	HA	RES	NULL
	LINE 24			
10	-28	+24	-4	2
9	-29	+31	+2	2
8	-24	+23	-1	2
7	-22	+21	-1	2
6 ^s	-20	+9	-11	2
5	-12	+6	-6	2
4	-8	+6	-2	2
3	-12	+6	-6	2
2	-14	+5	-9	2
1	-15	+4	-4	2
0	-14	+3	-11	2
1 ^w	-10	+2	-8	2
2 ^w	-12	+3	-9	2
3 ^w	-13	+6	-7	2
4 ^w	-15	+0	-15	2
5 ^w	-10	+1	-9	2
6 ^w	-12	-2	-14	2
7 ^w	-12	+1	-11	4
8	-16	+1	-15	2
9	-15	+2	-13	6
10	-14	0	-14	2
11	-16	-2	-18	2
12	-15	-3	-18	2
13	-12	-1	-13	2
14	-13	-1	-14	2
15	-12	+2	-10	6

LC	LA	RES	NULL	
-28	+27	-1	2	
-31	+29	-2	2	
-24	+27	+3	2	
-22	+28	+1	2	
-17	+13	-4	2	road
-10	+8	-2	2	
-7	+8	+1	2	
-10	+8	-2	2	
-8	+7	-1	2	
-7	+8	+1	2	
-8	+9	+1	2	
-9	+8	-1	2	
-9	+8	-1	2	
-8	+7	-1	2	
-8	+8	0	2	
-11	+4	-7	2	
-6	+5	-1	2	old road
-5	+6	+1	4	
-12	+9	-3	2	
-10	+4	-6	4	
-9	+7	-2	2	
-11	+7	-4	2	
-5	0	-5	2	
-8	+4	-4	2	
-9	+3	-4	2	
-10	+5	-5	4	

③ July 20/67
SEA

STA HC HH RES NULL

LINE 24^E

16 ²	-14	+5	-9	4
17 ²	-14	+4	-10	4
18 ²	-14	+5	-9	2
19 ²	NO STA	19 ^E		

LINE 28^E

18 ²	-15	-15	-16	2
17 ²	-25	+2	-23	2
16 ²	-18	0	-18	2
15	-14	-7	-21	2
14	-14	-5	-19	2
13	-20	-4	-24	2
12	-18	-5	-23	2
11	-16	-8	-24	2
10 ²	-15	-7	-22	2
9	-14	-6	-20	4
8	-20	-5	-25	2
7	-18	-5	-23	2
6	-15	-6	-21	4
5	-12	-10	-22	4
4	-12	-4	-16	4
3	-10	-3	-13	2
2	- 8	-2	-10	2
1	-8	0	-8	2
0	+8	+2	+10 -16	2

①8³

LC	LH	RES	NUM
-6	+9	+3	1
-0	+5	-4	2
-8	+6	-3	2
-12	+7	-5	2
-15	+7	-8	2
-14	+3	-11	2
-9	+2	-7	2
-8	+4	-4	2
-10	+3	-7	2
-8	+3	-5	2
-9	+3	-6	2
-12	+1	-11	2
-12	+3	-9	2
-8	+3	-5	2
-12	+7	-5	2
-7	+3	-4	2
-8	+3	-5	4
-8	0	-8	4
-5	+5	0	2
-6	+6	0	2
-8	+6	-2	2
-8	+7	-1	2

old road

⑥ July 20/67
SEA

STA	HC	HH	RES	NULL
LINE 28				
15	-16	+3	-13	4
2	-15	+7	-8	2
3	-17	+5	-12	2
4	-16	+9	-7	2
55	-12	+6	-6	4
65	-14	+7	-7	4
75	-18	+14	-4	2

LC	LH	RES	NUU
-6	+5	-1	7
-12	+10	-2	2
-10	+9	-1	2
-8	+11	+3	2
-8	+10	+2	4
-11	+8	-3	2
-16	+15	+2	2

⑦ July 20/67
SEA

STA	HC	HH	RES	NULL
-----	----	----	-----	------

LC	LH	RES	NULL
----	----	-----	------

July 21/67

Lines

28 ^E	-	8 ^S	- 29 ^S
20 ^E	-	30 ^S	- 36 ^S
16 ^E	-	36 ^S	- 18 ^N
20 ^E	-	18 ^N	- 5 ^S

TOTAL FT. = 10,400

TOTAL L.M. = 1.97

① July 21/67
SEA

STA	HC	HH	RES	NUU
LINE 28 ^E				
8 ^c	-25	+24	+1	2
9 ^s	-31	+29	-2	2
10	-29	+23	-6	2
11	-18	+8	-10	2
12	-11	+6	-5	2
13	-5	+5	0	2
14	-10	+7	-3	2
15	-8	+10	+2	2
16	-17	+13	-5	2
17	-19	+20	+1	2
18	-24	+24	0	2
19	-23	+24	+1	2
20	-24	+23	-1	2
21	-22	+22	0	2
22	-18	+22	+4	2
23	-19	+19	0	2
24	-22	+20	-2	2
25	-20	+16	-4	2
26	-17	+15	-2	2
27	-15	+13	-2	2
28	-12	+11	-1	2
29	-10	+9	-1	2

Review

LC	LH	RES	NULL
-25	+27	+2	2
-30	+30	0	2
-24	+22	-2	2
-12	+12	0	2
-8	+7	-1	2
-6	+5	-1	2
-9	+8	-1	2
-14	+13	-1	2
-15	+16	+1	2
-17	+20	+3	2
-24	+26	+2	2
-20	+26	+6	2
-23	+27	+4	2
-22	+25	+3	2
-18	+20	+2	2
-19	+20	+1	2
-15	+18	+3	2
-20	+17	-3	2
-15	+16	+1	2
-19	+13	-1	2
-13	+12	-1	2
-11	+10	-1	2

③ July 21/67
SEA

STA	HC	HIA	RES	NULL
		LINE	20E	
30 ^s	-20	+15	-5	2
31	-15	+10	-5	2
32	-6	+7	+1	2
33	-12	+6	-6	2
34	-7	+5	-2	2
35	-15	+1	-14	2
36	-12	-3	-15	2

STA	HC	HIA	RES	NULL
		LINE	16E	
36 ^s	-15	+1	-14	6
35 ^s	-12	+3	-9	6
34 ^s	-6	+5	-1	4
33 ^s	-11	+7	-4	2
32	-18	+9	-9	2
31	-20	+13	-7	2
30	-27	+23	-4	2
29	-26	+26	0	2
28	-30	+26	-4	2
27	-27	+19	-8	2
26	-23	+13	-10	2
25	-24	+9	-15	2
24	-16	+5	-11	2
23	-10	0	-10	2
22	-6	-3	-9	2
21	-2	-1	-3	2
20	-11	-1	-12	2

LC	LH	RES	NULL	APC
-14	+14	0	2	
-9	+7	-2	2	
-2	+9	+2	2	
-10	+7	-3	2	
-7	+8	+1	2	road
-8	+4	-4	2	
-2	+2	0	2	
-8	+4	-4	2	
-10	+4	-6	4	
-11	+6	-5	2	road
-7	+10	+3	2	
-12	+11	-1	2	
-17	+17	0	2	
-19	+23	+4	2	
-23	+24	+1	2	
-25	+29	+4	2	
-28	+25	-3	2	
-20	+18	-2	2	
-16	+20	+4	2	
-11	+13	+2	2	
+9	+11	+2	2	
-1	+5	+4	2	
-6	0	-6	2	
0	0	0	2	all BU K null

5 July 21/67
SEA

STA	HC	HH	RES	NHLLU
		LINE	16 E	
19 ^s	-7	+1	-6	4
18 ^s	-15	+6	-9	2
17 ^s	-12	+10	-2	2
16	-8	+7	-1	2
15	-14	+14	0	2
14	-14	+5	-9	2
13	-8	+5	-3	2
12	-11	+6	-5	2
11	-21	+17	-4	2
10	-25	+23	-2	2
9	-30	+20	-10	2
8	-27	+25	-2	2
7	-19	+15	-4	2
6	-27	+12	-15	2
5	-15	+10	-5	2
4	-19	+11	-8	2
3	-10	+9	-1	2
2	-12	+7	-5	2
1 ^s	-18	+4	-14	2
0	-14	+3	-11	2
1 ^N	-12	+3	-9	2
2 ^N	-8	+3	-5	2
3 ^N	-4	+4	0	2
4 ^N	-6	+1	-5	2
5 ^N	-15	0	-15	2
6 ^N	-8	0	-8	2

LL | LH | RES | NULW

-4	+6	+2	2
-12	+11	-1	2
-12	+14	+2	2
-14	+12	-2	2
-8	+8	0	2
-8	+5	-3	2
-9	+7	-2	2
-9	+9	0	2
-18	+18	0	2
-23	+24	+1	2
-22	+20	-2	2
-24	+23	-1	2
-20	+18	-2	2
-21	+21	0	2
-14	+17	+3	2
-15	+16	+1	2
-13	+13	0	2
-6	+11	+5	2
-6	+8	+2	2
-7	+6	-1	2
-4	+5	+1	2
-5	+6	+1	2
-7	+5	-2	2
-4	+3	-1	2
-16	+4	-12	2
-9	+3	-6	2

old
S.W. claim

old road

road E.

⑦

July 21/67

SEA

STA	HC	HH	RES	WALL
7 ^N	-13	-1	-14	2
8 ^N	-11	-2	-13	2
9 ^N	-20	0	-20	4
10 ^N	-12	+2	-10	2
11	-15	+3	-12	4
12	-18	+6	-12	2
13	-14	-2	-16	2
14	-11	+7	-4	2
15	-12	+3	-9	2
16	-9	0	-9	2
17 ^N	-8	-3	-12	2
18 ^N	-8	0	-8	2

LC	LH	RES	NULL	
-8	+5	-3	2	
-7	+4	-3	2	add 3.0 site
-12	+6	-6	4	
-11	+5	-7	2	
-11	+7	-5	2	add road
-13	+9	-4	2	
-10	+7	-3	2	
-8	+6	-2	2	
-7	+7	0	2	
-6	+4	-2	2	
-4	+3	-1	2	
-1	+3	+2	2	

July 21/67
SEA

STA	HC	HH	RES	NULL
LINE 20				
18 ^N	-4	+3	-1	2
17	-6	+2	-4	2
16	-13	+3	-10	4
15	-12	-1	-13	2
14	-10	-2	-12	2
13	-10	+6	-16	2
12	-17	-1	-18	2
11	-12	-2	-14	2
10	-11	-2	-13	2
9	-16	0	-16	2
8	-14	-2	-16	2
7	-13	1	-12	2
6	-16	0	-16	2
5	-12	0	-12	2
4	-9	+5	-4	2
3	-12	+3	-9	2
2 ^N	-7	+5	-2	2
1 ^N	-7	+3	-4	2
0 ^N	-10	+7	-3	2
1 ^S	-13	+6	-7	4
2 ^S	-12	+6	-6	4
3	-12	+3	-9	4
4	-12	+6	-6	2
5	-12	+11	-1	2
6				
7				

LC	LH	RES	NULL
-2	+5	+3	2
-4	+3	-1	2
-3	+5	+2	2
-8	+6	-2	2
-8	+4	-4	2
-10	+4	-6	2
-5	+6	+1	2
-8	+7	-1	2
-12	+9	-3	2
-11	+7	-4	2
-9	+4	-5	2
-11	+5	-6	2
-6	+9	+3	2
-7	+6	-1	2
-8	+6	-2	2
-8	+4	-4	2
-2	+4	-3	2
-10	+9	-1	2
-9	+7	-2	2
-6	+7	+1	4
-8	+4	-4	2
-3	+5	+2	4
-7	+9	+2	2
-12	+14	+2	2

old road

old road
old road
D.D. 5.10

road

① July, 22/67
SEA

STA	HC LINE	HH 20	RES	NULL
6s	-20	+15	-5	2
7	-27	+18	-6	4
8	-28	+22	-6	2
9	-26	+23	-3	2
10	-31	+26	-5	2
11	-22	+21	-1	2
12	-16	+12	-4	2
13	-10	+9	-1	6
14	-8	+7	-1	2
15	-14	+8	-6	2
16	-24	+16	-8	2
17	-17	+16	-1	2
18	-17	+13	-4	2
19	-14	+13	-1	2
20	-12	+16	+4	2
21	-13	+1	-12	4
22	-11	+4	-7	2
23	-14	+4	-10	2
24	-12	+4	-8	2
25	-14	+9	-5	2
26	-18	+16	-2	2
27	-28	+20	-8	2
28	-30	+22	-8	2
29	-20	+23	+3	2

Collected
Date

LOC. | LH | RES | NULL |

24	214		
25	218		
26	158		
27	222		
28	252		
29	182		
30	102		
31	102		
32	102		
33	102		
34	102		
35	102		
36	102		
37	102		
38	102		
39	102		
40	102		
41	102		
42	102		
43	102		
44	102		
45	102		
46	102		
47	102		
48	102		
49	102		
50	102		
51	102		
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89	102		
90	102		
91	102		
92	102		
93	102		
94	102		
95	102		
96	102		
97	102		
98	102		
99	102		
100	102		

③

July 22/67

SEA

STA	HC	HIX	RES	NULL
		LINE 12	E	
30 ^s	-16	+9	-7	10
29	-27	+17	-10	2
28	-28	+25	-3	2
27	-28	+23	-5	2
26	-28	+12	-16	2
25	-28	+16	-12	2
24	-26	+17	-9	2
23	-24	+16	-8	2
22	-14	+5	-9	2
21	-11	-1	-12	4
20	-7	-5	-12	2
19	-8	-7	-15	6
18	-14	-3	-17	8
17	-17	+1	-16	4
16	-16	+9	-7	2
15	-14	+9	-5	2
14	-12	+3	-9	2
13	-10	+2	-8	2
12 ^s	-6	0	-6	2
11	-10	+8	+2	2
10 ^s	-23	+21	-2	2
9	-28	+25	-3	2
8 ^s	-26	+23	-3	2
7 ^s	-25	+24	-1	2
6	-20	+19	-1	2

LC	LH	RES	WALL	
-15	+19	+4	2	
-20	+23	+3	2	
-23	+27	+4	2	
-24	+21	-3	2	
-25	+28	+3	2	
-23	+23	0	2	
-15	+11	-4	2	
-9	+8	-1	2	
-6	+6	0	2	
-8	+10	+2	2	
-18	+17	-1	2	
-18	+20	+2	2	
-16	+16	0	2	
-14	+11	-3	2	
-8	+9	+1	2	
-2	+4	+2	2	
-6	+5	-1	2	
-4	+6	+2	2	
-4	+5	+1	2	
-13	+14	+1	2	
-18	+20	+2	2	
-24	+24	0	2	
-25	+27	+2	2	
-20	+21	+1	2	

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SEA

STA	HC	HIT	RES	NULL
		LINE 12		
1 ^s	-20	+14	-6	2
2 ^s	-18	+14	-4	2
3	-21	+12	-9	2
2 ^s	-12	+11	-1	2
1 ^s	-12	+5	-7	2
0	-12	+3	-9	2
1 ^w	-6	+5	-1	2
2 ^w	-8	+4	-4	2
3 ^w	-6	+3	-3	2
4 ^w	-9	+1	-8	2
5	-16	0	-16	2
6	-10	+1	-9	2
7	-12	-2	-14	2
8	-6	-3	-9	2
9	-14	-1	-15	4
10	-16	+3	-13	6
11	-22	+4	-18	12
12	-14	+5	-9	2
13	-18	0	-18	2
14	-14	0	-14	2
15	-11	-3	-14	2
16	-12	-5	-17	2
17	-10	-3	-13	2
18	-13	-9	-22	2

LC	LH	RES	NULL
-14	+13	-1	4
-25	+22	-3	2
-22	+27	+5	2
-26	+24	-2	2
-22	+23	+1	2
-18	+19	+1	7
-19	+19	0	2
-16	+19	+3	2
-13	+11	-2	2
-3	+3	0	2
-1	-1	-2	12
+1	-1	0	4
-5	+3	-2	2
-14	+10	-4	2
-13	+15	+2	2
-10	+11	+1	2
-8	+6	-2	2
-2	0	-2	2
0	+2	+2	2
-8	+10	+2	2
-23	+23	0	2
-26	+24	-2	2
-30	+29	-1	2
-22	+26	+4	2
-18	+20	+2	2

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SEA

STA	HC	HA LINE 8 ^E	RES	NULL
18 ^N	-10	+3	-7	2
17 ^N	-18	+2	-16	2
16 ^N	-17	0	-17	2
15	-18	+1	-17	2
14	-19	+6	-13	2
13	-19	+13	-6	2
12	-14	+5	-9	2
11	-18	+5	-13	2
10	-10	+1	-9	2
9	-12	-3	-15	2
8	-10	-3	-13	2
7	-10	-2	-12	2
6	-10	-4	-12	2
5	-8	0	-8	2
4	-4	+2	-2	2
3	-7	0	-7	2
2 ^N	-5	-3	-8	4
1 ^N	-5	-3	-8	2
0	-4	-2	-6	6
15	-14	0	-14	2
25	-13	+15	0	2
35	-22	+7	-15	2
45	-19	+11	-8	2
55	-24	+20	-4	2
65	-28	+25	-3	2
75	-36	+27	-9	4

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LC	LH	RES	NULL
-16	+21	+5	2
-16	+16	0	2
-13	16	+3	2
-10	+11	+1	2
-8	+7	-1	2
-7	+3	-4	2
-6	+4	-2	2
-6	+5	-1	2
-5	+7	+2	2
-5	+2	-3	2
-4	+3	-1	2
-3	+1	-2	2
-3	0	-6	2
-5	+3	-2	2
-5	+3	-2	2
-8	+5	-3	2
-14	+11	-3	2
-16	+9	-7	2
-8	+9	+1	2
-8	+10	+2	2
-9	+4	-5	2
-8	+4	-4	2
-5	0	-5	2
5	-7	-12	4

the road
2.04

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SEA

STA	HK	AH	RES	NULL
	LINE 8E			
8 ^s	-36	+30	-6	2
9 ^s	-30	+21	-9	2
10	-16	+11	-5	6
11	-6	+2	-4	2
12	-13	+2	-11	2
13	-12	+2	-10	2
14	-8	+7	-1	2
15	-12	+4	-8	2
16	-6	-3	-3	4
17	-4	-2	-6	2
18	-10	-6	-16	6
19	-6	-1	-7	2
20	-14	0	-14	2
21 ^s	-24	+1	-23	2
22 ^s	-24	+5	-19	2
23 ^s	-24	+6	-18	2
24 ^s	-25	+11	-14	2
25 ^s	-25	+10	-15	2
26 ^s	-28	+21	-7	2
27 ^s	-28	+23	-5	2
28	-20	+18	-2	2
29 ^s	-16	+11	-5	6
30	-10	-4	-14	10

Notes sheet



LC	LH	RES	NULL	
-6	+9	+3	2	
-8	+7	-1	2	
-6	+5	-1	2	
-10	+8	-2	2	
-11	+10	-1	2	
-12	+8	-4	2	
-17	+11	-6	2	old road
-13	+10	-3	2	
-8	+6	-2	2	old road
-6	+1	-5	2	end
-4	+1	-3	2	old road
-3	0	-3	2	
-4	-2	-6	2	
-8	0	-8	2	
-4	+3	-1	2	
-3	+4	+1	2	
-1	0	-1	2	
-2	0	-2	2	
-4	+4	0	2	
-6	+8	+2	2	
-7	+11	+4	2	
-13	+13	0	2	
-15	+16	+1	2	road
-20	+23	+3	2	
-22	+27	+5	2	old road
-30	+31	+1	2	

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SEA

STA	H-C LINE	H-H 4 ^E	RES	NUM
20 ^s	-9	+4	-5	2
29	-9	0	-9	4
28	-12	+4	-8	4
27	-18	+14	-4	2
26	-24	+21	-3	2
25	-27	+20	-7	2
24	-24	+15	-9	2
23	-24	+8	-16	4
22	-20	+1	-19	4
21	-20	+2	-18	2
20	-15	+1	-14	2
19	-14	0	-14	2
18	-15	+1	-14	2
17	-13	-2	-15	2
16	-8	-3	-11	2
15	-12	-1	-13	2
14	-8	-2	-10	2
13	-7	-1	-8	2
12	-10	+1	-9	2
11	-9	+5	-4	2
10	-12	+11	-1	2
9	-24	+19	-5	2
8	-23	+20	-3	2
7	-28	+24	-4	2
6	-30	+21	-9	2
5	-22	+19	-3	2
4	-20	+15	-5	2

LC Lia RES NULU

-28	+3131	+3	2
-20	+3+23	+11	2
-7	+23+9	+16	2
+1	+9+4	+10	2
-5	+4+5	-1	2
-6	+5+4	-1	2
-6	+4+9	-2	2
-7	+9+5	+2	2
0	+5+2	+5	2
0	+2+1	+2	2
+3	+1 0	+4	2
-1	0+3	-1	2
-5	+3+10	-2	2
-12	+10+9	-2	2
-14	+9+13	-5	2
-12	+13+13	+1	2
-12	+13+14	+1	2
-12	+14+17	+2	2
-25	+17+30	-8	2
-2	+30+26	+6	2
-15	+26+20	+11	2
-15	+20+17	+5	4
0	+17+3	+17	4
	+3		

step
hill ↓

dot D.C.
red post
150

300
from

LC	LH	RES	NULL
-6	+6	0	2
+1	-1	0	2
-6	+10	+4	2
-18	+16	-2	2
-22	+23	+1	2
-24	+25	+1	2
-18	+26	+2	2
-15	+13	-2	2
-10	+11	+1	2
-10	+9	-1	2
-12	+9	-3	2
-10	+9	-1	2
-6	+8	+2	2
-8	+7	-1	2
-3	+5	+2	2
-6	+5	-1	2
-2	+3	+1	2
-3	+4	+1	2
-8	+3	-5	2
-6	+7	+1	2
-4	+12	+1	2
-20	+20	0	2
-20	+24	+4	2
-22	+25	+5	2
-24	+26	+2	2
-18	+20	+2	2
-19	+20	+1	2

SEA-EM

LC | LH | RES | NULL

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LINE 4E - 3S - 18N

LINE 0E - 18N - 30S

EM FINISHED

2 July 23/67
SEA

STA	HC	HH	RES	NULL
	LINE 4+00 ^E			
3 ^s	-18	+7	-11	2
2 ^s	-18	+5	-13	2
1 ^s	-12	+1	-11	2
0	-13	+3	-10	2
1 ²	-4	+0	-4	2
2 ²	-9	+3	-6	2
3	-8	0	-8	2
4	-9	+4	-5	2
5	-4	+2	-2	2
6	-4	+1	-3	2
7	-1	-3	-4	2
8	-4	-5	-9	2
9	-4	0	-4	2
10	-2	0	-2	2
11	-12	0	-12	2
12	-16	+1	-15	2
13	-17	+0	-17	2
14	-22	+3	-19	4
15	-21	+1	-20	2
16	-20	+4	-16	2
17	-17	+1	-16	2
18 ^s	-18	+6	-12	2

July 23

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LC	LH	RES	NULL
-14	+12	-2	2
-13	+10	-3	2
-8	+9	+1	2
-11	+6	-5	2
-5	+3	-2	2
-2	+2	0	2
-2	+3	+1	2
-6	+3	-3	2
-2	+2	0	2
-4	+2	-2	2
+4	-1	+3	2
-2	-1	-3	2
+2	-3	-1	2
+4	+4	0	2
+7	+2	-5	2
-12	+5	-7	2
-15	+6	-8	2
-15	+9	-6	2
-8	+5	-3	2
-16	+11	- 5 4	2
-15	+11	-4	2
-14	+13	-1	2

old road

2 old road

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SEA

STA	HC	HA	TRES	NULL
	LINE	0100E	0100E	
18 ^N	-10	-6	-16	2
17	-12	-5	-17	2
16	-13	-7	-20	2
15	-13	-8	-21	2
14	-15	0	-15	2
13	-23	+11	-12	2
12	-22	+21	-1	2
11	-26	+20	-6	2
10	-20	+20	0	2
9	-12	+5	-7	2
8	-8	-1	-9	2
7	+4	-3	+1	4
6	-5	-2	-7	2
5	-6	-2	-8	2
4	-4	-1	-5	2
3	-8	-2	-10	2
2	-6	+4	-2	2
1 ^N	-10	+5	-5	2
0	-13	+7	-6	2
1 ^S	-10	+8	-2	4
2 ^S	-17	+6	-11	2
3	-16	+6	-10	2
4	-13	+5	-8	2
5	-20	+13	-7	2
6	-22	+15	-7	2
7	-27	+21	-6	2

④

LC	LA	RES	NULL	ATC
-4	+3	-1	2	
-6	+3	-3	2	
-5	-1	-6	2	
-8	+1	-7	2	
-6	+4	-2	2	
-18	+16	-2	2	
-21	+22	+1	2	
-23	+23	0	2	
-21	+18	-3	2	
-10	+8	-2	2	
0	+1	+1	2	
+3	+1	+4	2	
+4	-2	+2	2	
0	-3	-3	2	
+7	-2	0	2	
-4	-1	-5	2	
-4	+5	+1	2	
-9	+8	-1	2	
-10	+10	0	2	
-10	+9	-1	2	
-12	+11	-1	2	
-8	+7	-1	2	
-9	+10	+1	2	
-19	+19	0	2	
-21	+20	-1	2	
-19	+23	+4	2	

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SEA

STA	HC	HH	RES	NULL
8 ^S	-26	+20	-6	2
9	-21	+14	-7	2
10	-12	+4	-8	2
11	-10	+5	-5	2
12	-7	+1	-6	2
13	-11	-1	-12	2
14	-12	-1	-13	2
15	-10	0	-10	2
16	-15	+5	-10	2
17	-18	+5	-13	2
18	-16	+7	-9	2
19	-15	+7	-8	2
20	-20	+3	-17	2
21	-20	+5	-15	2
22	-18	+13	-5	2
23	-24	+16	-8	2
24	-24	+18	-6	2
25	-23	+18	-5	2
26	-22	+14	-8	2
27	-16	+8	-8	2
28	-14	+9	-5	2
29	-5	+8	+3	4
30 ^S	-16	+11	-5	2

THE END

LC	LH	RES	NULL
-23	+23	0	2
-10	+13	+3	2
-7	+6	-1	4
-7	+6	-1	2
-5	0	-5	4
-4	0	-4	2
-8	+3	-5	2
-6	+6	0	2
-10	+11	+1	2
-12	+12	0	2
-9	+12	+3	2
-10	+10	0	2
-14	+19	+5	2
-13	+11	-2	2
-15	+14	-1	2
-12	+19	0	2
-17	+23	+6	2
-16	+19	+3	2
-14	+17	+3	2
-9	+9	0	2
-12	+11	-1	2
-10	+10	0	2
-12	+10	-2	2

THE END

