



EMS 320

Enterprise Marine Services LLC

TANK NO. 2

PORT

OUTGATE TABLE

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 327

0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2
6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2
7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2
9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2
10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2
11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4
12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2
12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4	13 1/4
13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2
13 3/4	13 3/4	13 3/4	13 3/4	13 3/4	13 3/4	13 3/4	13 3/4	13 3/4	13 3/4	13 3/4	13 3/4	13 3/4	13 3/4	13 3/4	13 3/4
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4	14 1/4
14 1/2	14 1/2	14 1/2	14 1/2	14 1/2	14 1/2	14 1/2	14 1/2	14 1/2	14 1/2	14 1/2	14 1/2	14 1/2	14 1/2	14 1/2	14 1/2
14 3/4	14 3/4	14 3/4	14 3/4	14 3/4	14 3/4	14 3/4	14 3/4	14 3/4	14 3/4	14 3/4	14 3/4	14 3/4	14 3/4	14 3/4	14 3/4
15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15

STRAPPED: 01/08/85

WE CERTIFY ALL MEASUREMENTS AND COMPUTATIONS ARE IN ACCORDANCE WITH APPLICABLE API STANDARDS AND ARE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE

INSPECTORATE AMERICA CORPORATION

15-0 3/4" (RIM OF 2" DIAMETER BALL VALVE LOCATED NINE FEET CENTER OF TANK)

REFFERENCE GAUGE HEIGHT

* CAPACITY BELOW STRIKE POINT

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS



EMS 320
Enterprise Marine Services LLC

TANK NO. 2
STAR

OUTAGE TABLE

HULL NO. 327

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
W	D	W	D	W	D	W	D	W	D	W	D	W	D	W	D	W	D	W	D	W	D	W	D	W	D	W	D	W	D																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1/2	5,153.13	1/2	4,992.07	1/2	4,830.91	1/2	4,669.75	1/2	4,508.59	1/2	4,347.43	1/2	4,186.27	1/2	4,025.11	1/2	3,863.95	1/2	3,702.79	1/2	3,541.63	1/2	3,380.47	1/2	3,219.31	1/2	3,058.15	1/2	2,896.99	1/2	2,735.83	1/2	2,574.67	1/2	2,413.51	1/2	2,252.35	1/2	2,091.19	1/2	1,930.03	1/2	1,768.87	1/2	1,607.71	1/2	1,446.55	1/2	1,285.39	1/2	1,124.23	1/2	963.07	1/2	801.91	1/2	640.75	1/2	479.59	1/2	318.43	1/2	157.27	1/2	-3.89	1/2	-165.05	1/2	-326.21	1/2	-487.37	1/2	-648.53	1/2	-809.69	1/2	-970.85	1/2	-1132.01	1/2	-1293.17	1/2	-1454.33	1/2	-1615.49	1/2	-1776.65	1/2	-1937.81	1/2	-2098.97	1/2	-2260.13	1/2	-2421.29	1/2	-2582.45	1/2	-2743.61	1/2	-2904.77	1/2	-3065.93	1/2	-3227.09	1/2	-3388.25	1/2	-3549.41	1/2	-3710.57	1/2	-3871.73	1/2	-4032.89	1/2	-4194.05	1/2	-4355.21	1/2	-4516.37	1/2	-4677.53	1/2	-4838.69	1/2	-5000.00	1/2	-5161.16	1/2	-5322.32	1/2	-5483.48	1/2	-5644.64	1/2	-5805.80	1/2	-5966.96	1/2	-6128.12	1/2	-6289.28	1/2	-6450.44	1/2	-6611.60	1/2	-6772.76	1/2	-6933.92	1/2	-7095.08	1/2	-7256.24	1/2	-7417.40	1/2	-7578.56	1/2	-7739.72	1/2	-7900.88	1/2	-8062.04	1/2	-8223.20	1/2	-8384.36	1/2	-8545.52	1/2	-8706.68	1/2	-8867.84	1/2	-9029.00	1/2	-9190.16	1/2	-9351.32	1/2	-9512.48	1/2	-9673.64	1/2	-9834.80	1/2	-9995.96	1/2	-10157.12	1/2	-10318.28	1/2	-10479.44	1/2	-10640.60	1/2	-10801.76	1/2	-10962.92	1/2	-11124.08	1/2	-11285.24	1/2	-11446.40	1/2	-11607.56	1/2	-11768.72	1/2	-11929.88	1/2	-12091.04	1/2	-12252.20	1/2	-12413.36	1/2	-12574.52	1/2	-12735.68	1/2	-12896.84	1/2	-13058.00	1/2	-13219.16	1/2	-13380.32	1/2	-13541.48	1/2	-13702.64	1/2	-13863.80	1/2	-14024.96	1/2	-14186.12	1/2	-14347.28	1/2	-14508.44	1/2	-14669.60	1/2	-14830.76	1/2	-14991.92	1/2	-15153.08	1/2	-15314.24	1/2	-15475.40	1/2	-15636.56	1/2	-15797.72	1/2	-15958.88	1/2	-16120.04	1/2	-16281.20	1/2	-16442.36	1/2	-16603.52	1/2	-16764.68	1/2	-16925.84	1/2	-17087.00	1/2	-17248.16	1/2	-17409.32	1/2	-17570.48	1/2	-17731.64	1/2	-17892.80	1/2	-18053.96	1/2	-18215.12	1/2	-18376.28	1/2	-18537.44	1/2	-18698.60	1/2	-18859.76	1/2	-19020.92	1/2	-19182.08	1/2	-19343.24	1/2	-19504.40	1/2	-19665.56	1/2	-19826.72	1/2	-19987.88	1/2	-20149.04	1/2	-20310.20	1/2	-20471.36	1/2	-20632.52	1/2	-20793.68	1/2	-20954.84	1/2	-21116.00	1/2	-21277.16	1/2	-21438.32	1/2	-21599.48	1/2	-21760.64	1/2	-21921.80	1/2	-22082.96	1/2	-22244.12	1/2	-22405.28	1/2	-22566.44	1/2	-22727.60	1/2	-22888.76	1/2	-23049.92	1/2	-23211.08	1/2	-23372.24	1/2	-23533.40	1/2	-23694.56	1/2	-23855.72	1/2	-24016.88	1/2	-24178.04	1/2	-24339.20	1/2	-24500.36	1/2	-24661.52	1/2	-24822.68	1/2	-24983.84	1/2	-25145.00	1/2	-25306.16	1/2	-25467.32	1/2	-25628.48	1/2	-25789.64	1/2	-25950.80	1/2	-26112.00	1/2	-26273.16	1/2	-26434.32	1/2	-26595.48	1/2	-26756.64	1/2	-26917.80	1/2	-27079.00	1/2	-27240.16	1/2	-27401.32	1/2	-27562.48	1/2	-27723.64	1/2	-27884.80	1/2	-28045.96	1/2	-28207.12	1/2	-28368.28	1/2	-28529.44	1/2	-28690.60	1/2	-28851.76	1/2	-29012.92	1/2	-29174.08	1/2	-29335.24	1/2	-29496.40	1/2	-29657.56	1/2	-29818.72	1/2	-29979.88	1/2	-30141.04	1/2	-30302.20	1/2	-30463.36	1/2	-30624.52	1/2	-30785.68	1/2	-30946.84	1/2	-31108.00	1/2	-31269.16	1/2	-31430.32	1/2	-31591.48	1/2	-31752.64	1/2	-31913.80	1/2	-32075.00	1/2	-32236.16	1/2	-32397.32	1/2	-32558.48	1/2	-32719.64	1/2	-32880.80	1/2	-33042.00	1/2	-33203.16	1/2	-33364.32	1/2	-33525.48	1/2	-33686.64	1/2	-33847.80	1/2	-34008.96	1/2	-34170.12	1/2	-34331.28	1/2	-34492.44	1/2	-34653.60	1/2	-34814.76	1/2	-34975.92	1/2	-35137.08	1/2	-35298.24	1/2	-35459.40	1/2	-35620.56	1/2	-35781.72	1/2	-35942.88	1/2	-36104.04	1/2	-36265.20	1/2	-36426.36	1/2	-36587.52	1/2	-36748.68	1/2	-36909.84	1/2	-37071.00	1/2	-37232.16	1/2	-37393.32	1/2	-37554.48	1/2	-37715.64	1/2	-37876.80	1/2	-38037.96	1/2	-38199.12	1/2	-38360.28	1/2	-38521.44	1/2	-38682.60	1/2	-38843.76	1/2	-39004.92	1/2	-39166.08	1/2	-39327.24	1/2	-39488.40	1/2	-39649.56	1/2	-39810.72	1/2	-39971.88	1/2	-40133.04	1/2	-40294.20	1/2	-40455.36	1/2	-40616.52	1/2	-40777.68	1/2	-40938.84	1/2	-41100.00	1/2	-41261.16	1/2	-41422.32	1/2	-41583.48	1/2	-41744.64	1/2	-41905.80	1/2	-42067.00	1/2	-42228.16	1/2	-42389.32	1/2	-42550.48	1/2	-42711.64	1/2	-42872.80	1/2	-43034.00	1/2	-43195.16	1/2	-43356.32	1/2	-43517.48	1/2	-43678.64	1/2	-43839.80	1/2	-44001.00	1/2	-44162.16	1/2	-44323.32	1/2	-44484.48	1/2	-44645.64	1/2	-44806.80	1/2	-44967.96	1/2	-45129.12	1/2	-45290.28	1/2	-45451.44	1/2	-45612.60	1/2	-45773.76	1/2	-45934.92	1/2	-46096.08	1/2	-46257.24	1/2	-46418.40	1/2	-46579.56	1/2	-46740.72	1/2	-46901.88	1/2	-47063.04	1/2	-47224.20	1/2	-47385.36	1/2	-47546.52	1/2	-47707.68	1/2	-47868.84	1/2	-48030.00	1/2	-48191.16	1/2	-48352.32	1/2	-48513.48	1/2	-48674.64	1/2	-48835.80	1/2	-48996.96	1/2	-49158.12	1/2	-49319.28	1/2	-49480.44	1/2	-49641.60	1/2	-49802.76	1/2	-49963.92	1/2	-50125.08	1/2	-50286.24	1/2	-50447.40	1/2	-50608.56	1/2	-50769.72	1/2	-50930.88	1/2	-51092.04	1/2	-51253.20	1/2	-51414.36	1/2	-51575.52	1/2	-51736.68	1/2	-51897.84	1/2	-52059.00	1/2	-52220.16	1/2	-52381.32	1/2	-52542.48	1/2	-52703.64	1/2	-52864.80	1/2	-53025.96	1/2	-53187.12	1/2	-53348.28	1/2	-53509.44	1/2	-53670.60	1/2	-53831.76	1/2	-53992.92	1/2	-54154.08	1/2	-54315.24	1/2	-54476.40	1/2	-54637.56	1/2	-54798.72	1/2	-54959.88	1/2	-55121.04	1/2	-55282.20	1/2	-55443.36	1/2	-55604.52	1/2	-55765.68	1/2	-55926.84	1/2	-56088.00	1/2	-56249.16	1/2	-56410.32	1/2	-56571.48	1/2	-56732.64	1/2	-56893.80	1/2	-57055.00	1/2	-57216.16	1/2	-57377.32	1/2	-57538.48	1/2	-57699.64	1/2	-57860.80	1/2	-58021.96	1/2	-58183.12	1/2	-58344.28	1/2	-58505.44	1/2	-58666.60	1/2	-58827.76	1/2	-58988.92	1/2	-59150.08	1/2	-59311.24	1/2	-59472.40	1/2	-59633.56	1/2	-59794.72	1/2	-59955.88	1/2	-60117.04	1/2	-60278.20	1/2	-60439.36	1/2	-60600.52	1/2	-60761.68	1/2	-60922.84	1/2	-61084.00	1/2	-61245.16	1/2	-61406.32	1/2	-61567.48	1/2	-61728.64	1/2	-61889.80	1/2	-62050.96	1/2	-62212.12	1/2	-62373.28	1/2	-62534.44	1/2	-62695.60	1/2	-62856.76	1/2	-63017.92	1/2	-63179.08	1/2	-63340.24	1/2	-63501.40	1/2	-63662.56	1/2	-63823.72	1/2	-63984.88	1/2	-64146.04	1/2	-64307.20	1/2	-64468.36	1/2	-64629.52	1/2	-64790.68	1/2	-64951.84	1/2	-65113.00	1/2	-65274.16	1/2	-65435.32	1/2	-65596.48	1/2	-65757.64	1/2	-65918.80	1/2	-66080.00	1/2	-66241.16	1/2	-66402.32	1/2	-66563.48	1/2	-66724.64	1/2	-66885.80	1/2	-67047.00	1/2	-67208.16	1/2	-67369.32	1/2	-67530.48	1/2	-67691.64	1/2	-67852.80	1/2	-68014.00	1/2	-68175.16	1/2	-68336.32	1/2	-68497.48	1/2	-68658.64	1/2	-68819.80	1/2	-68980.96	1/2	-69142.12	1/2	-69303.28	1/2	-69464.44	1/2	-69625.60	1/2	-69786.76	1/2	-69947.92	1/2	-70109.08	1/2	-70270.24	1/2	-70431.40	1/2	-70592.56	1/2	-70753.72	1/2	-70914.88	1/2	-71076.04	1/2	-71237.20	1/2	-71398.36	1/2	-71559.52	1/2	-71720.68	1/2	-71881.84	1/2	-72043.00	1/2	-72204.16	1/2	-72365.32	1/2	-72526.48	1/2	-72687.64	1/2	-72848.80	1/2	-73009.96	1/2	-73171.12	1/2	-73332.28	1/2	-73493.44	1/2	-73654.60	1/2	-73815.76	1/2	-73976.92	1/2	-74138.08	1/2	-74299.24	1/2	-74460.40	1/2	-74621.56	1/2	-74782.72	1/2	-74943.88	1/2	-75105.04	1/2	-75266.20	1/2	-75427.36	1/2	-75588.52	1/2	-75749.68	1/2	-75910.84	1/2	-76072.00	1/2	-76233.16	1/2	-76394.32	1/2	-76555.48	1/2



EMS 320

Enterprise Marine Services LLC

OUTAGE TABLE

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.
0	4,373.85	4,144.79	3,915.74	3,686.68	3,457.63	3,228.57	2,999.52	2,770.46	2,541.41	2,312.35	2,083.30	1,854.24	1,625.19	1,396.13
1/4	4,369.08	4,140.02	3,910.97	3,681.91	3,452.86	3,223.80	2,994.75	2,765.69	2,536.64	2,307.58	2,078.53	1,849.47	1,620.42	1,391.36
1/2	4,364.31	4,135.25	3,906.19	3,677.14	3,448.09	3,219.03	2,989.98	2,760.92	2,531.87	2,302.81	2,073.76	1,844.70	1,615.65	1,386.59
3/4	4,359.54	4,130.48	3,901.42	3,672.37	3,443.28	3,214.26	2,985.21	2,756.15	2,527.10	2,298.04	2,068.99	1,839.93	1,610.88	1,381.82
1	4,354.77	4,125.71	3,896.65	3,667.60	3,438.50	3,209.49	2,980.44	2,751.38	2,522.33	2,293.27	2,064.22	1,835.16	1,606.11	1,377.05
1 1/4	4,350.00	4,120.94	3,891.88	3,662.83	3,433.73	3,204.72	2,975.67	2,746.57	2,517.52	2,288.46	2,059.35	1,830.39	1,601.34	1,372.28
1 1/2	4,345.23	4,116.17	3,887.11	3,658.06	3,428.96	3,200.00	2,970.90	2,741.76	2,512.75	2,283.65	2,054.54	1,825.62	1,596.57	1,367.51
1 3/4	4,340.46	4,111.40	3,882.34	3,653.29	3,424.19	3,195.23	2,966.13	2,736.95	2,507.94	2,278.84	2,049.73	1,820.85	1,591.80	1,362.74
2	4,335.69	4,106.63	3,877.57	3,648.52	3,419.42	3,190.46	2,961.36	2,732.14	2,503.13	2,274.03	2,044.92	1,816.08	1,587.03	1,357.97
2 1/4	4,330.92	4,101.86	3,872.80	3,643.75	3,414.65	3,185.69	2,956.59	2,727.33	2,498.36	2,269.22	2,040.11	1,811.31	1,582.26	1,353.20
2 1/2	4,326.15	4,097.09	3,868.03	3,638.98	3,409.88	3,180.92	2,951.82	2,722.52	2,493.55	2,264.41	2,035.30	1,806.54	1,577.49	1,348.43
2 3/4	4,321.38	4,092.32	3,863.26	3,634.21	3,405.11	3,176.15	2,947.05	2,717.71	2,488.74	2,259.60	2,030.49	1,801.77	1,572.72	1,343.66
3	4,316.61	4,087.55	3,858.49	3,629.44	3,400.34	3,171.38	2,942.28	2,712.90	2,483.93	2,254.79	2,025.68	1,797.00	1,567.95	1,338.89
3 1/4	4,311.84	4,082.78	3,853.72	3,624.67	3,395.57	3,166.61	2,937.51	2,708.09	2,479.12	2,250.00	2,020.87	1,792.23	1,563.18	1,334.12
3 1/2	4,307.07	4,078.01	3,848.95	3,619.90	3,390.80	3,161.84	2,932.74	2,703.28	2,474.31	2,245.19	2,016.06	1,787.46	1,558.41	1,329.35
3 3/4	4,302.30	4,073.24	3,844.18	3,615.13	3,386.03	3,157.07	2,927.97	2,698.47	2,469.50	2,240.38	2,011.25	1,782.69	1,553.64	1,324.58
4	4,297.53	4,068.47	3,839.41	3,610.36	3,381.26	3,152.30	2,923.20	2,693.66	2,464.69	2,235.57	2,006.44	1,777.92	1,548.87	1,319.81
4 1/4	4,292.76	4,063.70	3,834.64	3,605.59	3,376.49	3,147.53	2,918.43	2,688.85	2,459.88	2,230.76	2,001.63	1,773.15	1,544.10	1,315.04
4 1/2	4,288.00	4,058.93	3,829.87	3,600.82	3,371.72	3,142.76	2,913.66	2,684.04	2,455.07	2,225.95	1,996.82	1,768.38	1,539.33	1,310.27
4 3/4	4,283.23	4,054.16	3,825.10	3,596.05	3,366.95	3,137.99	2,908.89	2,679.23	2,450.26	2,221.14	1,992.01	1,763.61	1,534.56	1,305.50
5	4,278.46	4,049.39	3,820.33	3,591.28	3,362.18	3,133.22	2,904.12	2,674.40	2,445.45	2,216.33	1,987.20	1,758.84	1,529.79	1,300.73
5 1/4	4,273.70	4,044.62	3,815.56	3,586.51	3,357.41	3,128.45	2,899.35	2,669.57	2,440.64	2,211.52	1,982.39	1,754.07	1,525.02	1,295.96
5 1/2	4,268.93	4,039.85	3,810.79	3,581.74	3,352.64	3,123.68	2,894.58	2,664.74	2,435.83	2,206.71	1,977.58	1,749.30	1,520.25	1,291.19
5 3/4	4,264.17	4,035.08	3,806.02	3,576.97	3,347.87	3,118.91	2,889.81	2,659.91	2,431.02	2,201.90	1,972.77	1,744.53	1,515.48	1,286.42
6	4,259.40	4,030.31	3,801.25	3,572.20	3,343.10	3,114.14	2,885.04	2,655.08	2,426.21	2,197.09	1,967.96	1,739.76	1,510.71	1,281.65
6 1/4	4,254.64	4,025.54	3,796.48	3,567.43	3,338.33	3,109.37	2,880.27	2,650.25	2,421.40	2,192.28	1,963.15	1,735.00	1,505.94	1,276.88
6 1/2	4,249.87	4,020.77	3,791.71	3,562.66	3,333.56	3,104.60	2,875.50	2,645.42	2,416.59	2,187.47	1,958.34	1,730.23	1,501.17	1,272.11
6 3/4	4,245.11	4,016.00	3,786.94	3,557.89	3,328.79	3,099.83	2,870.73	2,640.59	2,411.78	2,182.66	1,953.53	1,725.46	1,496.40	1,267.34
7	4,240.34	4,011.23	3,782.17	3,553.12	3,324.02	3,095.06	2,865.96	2,635.76	2,406.97	2,177.85	1,948.72	1,720.69	1,491.63	1,262.57
7 1/4	4,235.58	4,006.46	3,777.40	3,548.35	3,319.25	3,090.29	2,861.19	2,630.93	2,402.16	2,173.04	1,943.91	1,715.92	1,486.86	1,257.80
7 1/2	4,230.81	4,001.69	3,772.63	3,543.58	3,314.48	3,085.52	2,856.42	2,626.10	2,397.35	2,168.23	1,939.10	1,711.15	1,482.09	1,253.03
7 3/4	4,226.05	3,996.92	3,767.86	3,538.81	3,309.71	3,080.75	2,851.65	2,621.27	2,392.54	2,163.42	1,934.29	1,706.38	1,477.32	1,248.26
8	4,221.28	3,992.15	3,763.09	3,534.04	3,304.94	3,075.98	2,846.88	2,616.44	2,387.73	2,158.61	1,929.48	1,701.61	1,472.55	1,243.49
8 1/4	4,216.52	3,987.38	3,758.32	3,529.27	3,300.17	3,071.21	2,842.11	2,611.61	2,382.92	2,153.80	1,924.67	1,696.84	1,467.78	1,238.72
8 1/2	4,211.75	3,982.61	3,753.55	3,524.50	3,295.40	3,066.44	2,837.34	2,606.78	2,378.11	2,148.99	1,919.86	1,692.07	1,463.01	1,233.95
8 3/4	4,207.00	3,977.84	3,748.78	3,519.73	3,290.63	3,061.67	2,832.57	2,601.95	2,373.30	2,144.18	1,915.05	1,687.30	1,458.24	1,229.18
9	4,202.23	3,973.07	3,744.01	3,514.96	3,285.86	3,056.90	2,827.80	2,597.12	2,368.49	2,139.37	1,910.24	1,682.53	1,453.47	1,224.41
9 1/4	4,197.47	3,968.30	3,739.24	3,510.19	3,281.09	3,052.13	2,823.03	2,592.29	2,363.68	2,134.56	1,905.43	1,677.76	1,448.70	1,219.64
9 1/2	4,192.70	3,963.53	3,734.47	3,505.42	3,276.32	3,047.36	2,818.26	2,587.46	2,358.87	2,129.75	1,900.62	1,672.99	1,443.93	1,214.87
9 3/4	4,187.94	3,958.76	3,729.70	3,500.65	3,271.55	3,042.59	2,813.49	2,582.63	2,354.06	2,124.94	1,895.81	1,668.22	1,439.16	1,210.10
10	4,183.17	3,954.00	3,724.93	3,495.88	3,266.78	3,037.82	2,808.72	2,577.80	2,349.25	2,120.13	1,891.00	1,663.45	1,434.39	1,205.33
10 1/4	4,178.41	3,949.23	3,720.16	3,491.11	3,262.01	3,033.05	2,803.95	2,572.97	2,344.44	2,115.32	1,886.19	1,658.68	1,429.62	1,200.56
10 1/2	4,173.64	3,944.46	3,715.39	3,486.34	3,257.24	3,028.28	2,799.18	2,568.14	2,339.63	2,110.51	1,881.38	1,653.91	1,424.85	1,195.79
10 3/4	4,168.88	3,939.69	3,710.62	3,481.57	3,252.47	3,023.51	2,794.41	2,563.31	2,334.82	2,105.70	1,876.57	1,649.14	1,419.98	1,191.02
11	4,164.11	3,934.92	3,705.85	3,476.80	3,247.70	3,018.74	2,789.64	2,558.48	2,329.99	2,100.89	1,871.76	1,644.37	1,415.21	1,186.25
11 1/4	4,159.35	3,930.15	3,701.08	3,472.03	3,242.93	3,013.97	2,784.87	2,553.65	2,325.18	2,096.08	1,866.95	1,639.60	1,410.44	1,181.48
11 1/2	4,154.58	3,925.38	3,696.31	3,467.26	3,238.16	3,009.20	2,780.10	2,548.82	2,320.37	2,091.27	1,862.14	1,634.83	1,405.67	1,176.71
11 3/4	4,149.82	3,920.61	3,691.54	3,462.49	3,233.39	3,004.43	2,775.33	2,543.99	2,315.56	2,086.46	1,857.33	1,629.96	1,400.90	1,171.94
12	4,145.05	3,915.84	3,686.77	3,457.72	3,228.62	2,999.66	2,770.56	2,539.16	2,310.75	2,081.65	1,852.52	1,625.19	1,396.13	1,167.17
12 1/4	4,140.29	3,911.07	3,681.99	3,452.95	3,223.85	2,994.89	2,765.79	2,534.33	2,305.94	2,076.84	1,847.71	1,620.42	1,391.36	1,162.40
12 1/2	4,135.52	3,906.30	3,677.22	3,448.18	3,219.08	2,990.12	2,761.02	2,529.50	2,301.13	2,072.03	1,842.90	1,615.65	1,386.59	1,157.63
12 3/4	4,130.76	3,901.53	3,672.45	3,443.41	3,214.31	2,985.35	2,756.25	2,524.67	2,296.32	2,067.22	1,838.09	1,610.88	1,381.82	1,152.86
13	4,126.00	3,896.76	3,667.68	3,438.64	3,209.54	2,980.58	2,751.48	2,519.84	2,291.51	2,062.41	1,833.28	1,606.11	1,377.05	1,148.09
13 1/4	4,121.23	3,891.99	3,662.91	3,433.87	3,204.77	2,975.81	2,746.71	2,515.01	2,286.70	2,057.60	1,828.47	1,601.34	1,372.28	1,143.32
13 1/2	4,116.47	3,887.22	3,658.14	3,429.10	3,200.00	2,971.04	2,741.94	2,510.18	2,281.89	2,052.79	1,823.66	1,596.57	1,367.51	1,138.55
13 3/4	4,111.70	3,882.45	3,653.37	3,424.33	3,195.23	2,966.27	2,737.17	2,505.35	2,277.08	2,047.98	1,818.85	1,591.80	1,362.74	1,133.78
14	4,106.94	3,877.68	3,648.60	3,419.56	3,190.46	2,961.50	2,732.40	2,500.52	2,272.27	2,043.17	1,814.04	1,587.03	1,357.97	1,129.01
14 1/4	4,102.17	3,872.91	3,643.83	3,414.79	3,185.69	2,956.73	2,727.63	2,495.69	2,267.46	2,038.36	1,809.23	1,582.26	1,353.20	1,124.24
14 1/2	4,097.41	3,868.14	3,639.06	3,410.02	3,180.92	2,951.96	2,722.86	2,490.86	2,262.65	2,033.55	1,804.42	1,577.49	1,348.43	1,119.47
14 3/4	4,092.64	3,863.37	3,634.29	3,405.25	3,176.15	2,947.19	2,718.09	2,486.03	2,257.84	2,028.74	1,799.61	1,572.72	1,343.66	1,114.70
15	4,087.88	3,858.60	3,629.52	3,400.48	3,171.38	2,942.42	2,713.32	2,481.20	2,253.03	2,023.93	1,794			

