



BARGE "CMS 1603"

PORT HORIZONTAL INNAGE TABLE

CAPACITIES GAUGH BY BARRELS OF 42 U.S. GALLONS

Table with 18 columns (0 FT. to 9 FT.) and multiple rows of capacity data.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API CHAPTER 2.2E. CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL. CAPACITY TABLE ONLY APPLIES TO EXTREME HEIGHT OF TANK. CAPACITY TABLE ONLY APPLIES TO INNAE GAUGES.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

PRECISION MEASUREMENT & ANALYSIS, INC. P.O. Box 2892 Houston, Texas 77268 http://www.pma.com

Signature



BARGE "CMS 1603"

PORT HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	3,909.17	0	4,728.24	0	5,527.03	0	0	0	0	0
1/4	3,918.31	1/4	4,732.85	1/4	5,531.36	1/4	1/4	1/4	1/4	1/4
1/2	3,927.45	1/2	4,740.46	1/2	5,536.67	1/2	1/2	1/2	1/2	1/2
3/4	3,936.51	3/4	4,748.88	3/4	5,540.80	3/4	3/4	3/4	3/4	3/4
1	3,945.78	1	4,755.66	1	5,544.32	1	1	1	1	1
1 1/4	3,954.88	1 1/4	4,763.18	1 1/4	5,548.42	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	3,963.97	1 1/2	4,770.89	1 1/2	5,552.82	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	3,973.07	1 3/4	4,778.21	1 3/4	5,556.81	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	3,982.17	2	4,785.72	2	5,560.71	2	2	2	2	2
2 1/4	3,991.23	2 1/4	4,793.14	2 1/4	5,564.57	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	4,000.28	2 1/2	4,800.57	2 1/2	5,568.43	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
2 3/4	4,009.38	2 3/4	4,807.98	2 3/4	5,572.28	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4
3	4,018.41	3	4,816.41	3	5,576.14	3	3	3	3	3
3 1/4	4,027.42	3 1/4	4,824.73	3 1/4	5,579.74	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	4,036.43	3 1/2	4,833.05	3 1/2	5,583.34	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
3 3/4	4,045.48	3 3/4	4,837.38	3 3/4	5,586.93	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4
4	4,054.48	4	4,844.71	4	5,590.53	4	4	4	4	4
4 1/4	4,063.42	4 1/4	4,851.93	4 1/4	5,593.86	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	4,072.38	4 1/2	4,859.16	4 1/2	5,597.16	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
4 3/4	4,081.36	4 3/4	4,866.38	4 3/4	5,600.48	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4
5	4,090.31	5	4,873.51	5	5,603.79	5	5	5	5	5
5 1/4	4,099.22	5 1/4	4,880.73	5 1/4	5,606.98	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	4,108.14	5 1/2	4,887.96	5 1/2	5,609.80	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
5 3/4	4,117.05	5 3/4	4,894.98	5 3/4	5,612.81	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4
6	4,125.96	6	4,902.10	6	5,615.81	6	6	6	6	6
6 1/4	4,134.83	6 1/4	4,909.12	6 1/4	5,618.46	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	4,143.89	6 1/2	4,916.14	6 1/2	5,621.36	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2
6 3/4	4,152.66	6 3/4	4,923.16	6 3/4	5,623.77	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4
7	4,161.41	7	4,930.17	7	5,625.42	7	7	7	7	7
7 1/4	4,170.22	7 1/4	4,937.08	7 1/4	5,626.56	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	4,179.03	7 1/2	4,943.99	7 1/2	5,628.25	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2
7 3/4	4,187.84	7 3/4	4,950.90	7 3/4	5,631.16	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4
8	4,196.84	8	4,957.81	8	5,633.38	8	8	8	8	8
8 1/4	4,205.40	8 1/4	4,964.81	8 1/4	5,634.92	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	4,214.16	8 1/2	4,971.41	8 1/2	5,636.03	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
8 3/4	4,222.80	8 3/4	4,978.20	8 3/4	5,636.13	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4
9	4,231.65	9	4,985.00	9	5,637.06	9	9	9	9	9
9 1/4	4,240.26	9 1/4	4,991.88	9 1/4	5,637.57	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	4,249.06	9 1/2	4,998.37	9 1/2	5,638.09	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2
9 3/4	4,257.74	9 3/4	5,005.06	9 3/4	5,638.48	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4
10	4,266.44	10	5,011.73	10	5,638.94	10	10	10	10	10
10 1/4	4,275.09	10 1/4	5,018.29	10 1/4	5,639.48	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	4,283.71	10 1/2	5,024.86	10 1/2	5,639.41	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2
10 3/4	4,292.38	10 3/4	5,031.42	10 3/4	5,639.41	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4
11	4,300.89	11	5,037.98	11	5,639.88	11	11	11	11	11
11 1/4	4,309.57	11 1/4	5,044.42	11 1/4	5,644.42	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	4,318.14	11 1/2	5,050.86	11 1/2	5,648.17	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2
11 3/4	4,326.72	11 3/4	5,057.29	11 3/4	5,648.12	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2012
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STRAPPED: 11032818 CL - SW
CALCULATED: 11032810 CL
PRINTED: 11032810 CL
CANCELS AND SUPERCEDS
ALL PRIOR TO 110216



BARGE "CMS 1603"

CENTER HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

HI	0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	
0	0	0	160.97	0	427.26	0	778.82	0	1,172.82	0	1,693.88	0	2,067.60	0	2,324.14	0	2,994.38	0	3,469.43	0	3,469.43
1	0.21	0.42	160.97	0.42	427.26	0.42	778.82	0.42	1,172.82	0.42	1,693.88	0.42	2,067.60	0.42	2,324.14	0.42	2,994.38	0.42	3,469.43	0.42	3,469.43
2	0.42	0.84	160.97	0.84	427.26	0.84	778.82	0.84	1,172.82	0.84	1,693.88	0.84	2,067.60	0.84	2,324.14	0.84	2,994.38	0.84	3,469.43	0.84	3,469.43
3	0.63	1.26	160.97	1.26	427.26	1.26	778.82	1.26	1,172.82	1.26	1,693.88	1.26	2,067.60	1.26	2,324.14	1.26	2,994.38	1.26	3,469.43	1.26	3,469.43
4	0.84	1.68	160.97	1.68	427.26	1.68	778.82	1.68	1,172.82	1.68	1,693.88	1.68	2,067.60	1.68	2,324.14	1.68	2,994.38	1.68	3,469.43	1.68	3,469.43
5	1.05	2.10	160.97	2.10	427.26	2.10	778.82	2.10	1,172.82	2.10	1,693.88	2.10	2,067.60	2.10	2,324.14	2.10	2,994.38	2.10	3,469.43	2.10	3,469.43
6	1.26	2.52	160.97	2.52	427.26	2.52	778.82	2.52	1,172.82	2.52	1,693.88	2.52	2,067.60	2.52	2,324.14	2.52	2,994.38	2.52	3,469.43	2.52	3,469.43
7	1.47	2.94	160.97	2.94	427.26	2.94	778.82	2.94	1,172.82	2.94	1,693.88	2.94	2,067.60	2.94	2,324.14	2.94	2,994.38	2.94	3,469.43	2.94	3,469.43
8	1.68	3.36	160.97	3.36	427.26	3.36	778.82	3.36	1,172.82	3.36	1,693.88	3.36	2,067.60	3.36	2,324.14	3.36	2,994.38	3.36	3,469.43	3.36	3,469.43
9	1.89	3.78	160.97	3.78	427.26	3.78	778.82	3.78	1,172.82	3.78	1,693.88	3.78	2,067.60	3.78	2,324.14	3.78	2,994.38	3.78	3,469.43	3.78	3,469.43
10	2.10	4.20	160.97	4.20	427.26	4.20	778.82	4.20	1,172.82	4.20	1,693.88	4.20	2,067.60	4.20	2,324.14	4.20	2,994.38	4.20	3,469.43	4.20	3,469.43
11	2.31	4.62	160.97	4.62	427.26	4.62	778.82	4.62	1,172.82	4.62	1,693.88	4.62	2,067.60	4.62	2,324.14	4.62	2,994.38	4.62	3,469.43	4.62	3,469.43
12	2.52	5.04	160.97	5.04	427.26	5.04	778.82	5.04	1,172.82	5.04	1,693.88	5.04	2,067.60	5.04	2,324.14	5.04	2,994.38	5.04	3,469.43	5.04	3,469.43
13	2.73	5.46	160.97	5.46	427.26	5.46	778.82	5.46	1,172.82	5.46	1,693.88	5.46	2,067.60	5.46	2,324.14	5.46	2,994.38	5.46	3,469.43	5.46	3,469.43
14	2.94	5.88	160.97	5.88	427.26	5.88	778.82	5.88	1,172.82	5.88	1,693.88	5.88	2,067.60	5.88	2,324.14	5.88	2,994.38	5.88	3,469.43	5.88	3,469.43
15	3.15	6.30	160.97	6.30	427.26	6.30	778.82	6.30	1,172.82	6.30	1,693.88	6.30	2,067.60	6.30	2,324.14	6.30	2,994.38	6.30	3,469.43	6.30	3,469.43
16	3.36	6.72	160.97	6.72	427.26	6.72	778.82	6.72	1,172.82	6.72	1,693.88	6.72	2,067.60	6.72	2,324.14	6.72	2,994.38	6.72	3,469.43	6.72	3,469.43
17	3.57	7.14	160.97	7.14	427.26	7.14	778.82	7.14	1,172.82	7.14	1,693.88	7.14	2,067.60	7.14	2,324.14	7.14	2,994.38	7.14	3,469.43	7.14	3,469.43
18	3.78	7.56	160.97	7.56	427.26	7.56	778.82	7.56	1,172.82	7.56	1,693.88	7.56	2,067.60	7.56	2,324.14	7.56	2,994.38	7.56	3,469.43	7.56	3,469.43
19	3.99	7.98	160.97	7.98	427.26	7.98	778.82	7.98	1,172.82	7.98	1,693.88	7.98	2,067.60	7.98	2,324.14	7.98	2,994.38	7.98	3,469.43	7.98	3,469.43
20	4.20	8.40	160.97	8.40	427.26	8.40	778.82	8.40	1,172.82	8.40	1,693.88	8.40	2,067.60	8.40	2,324.14	8.40	2,994.38	8.40	3,469.43	8.40	3,469.43
21	4.41	8.82	160.97	8.82	427.26	8.82	778.82	8.82	1,172.82	8.82	1,693.88	8.82	2,067.60	8.82	2,324.14	8.82	2,994.38	8.82	3,469.43	8.82	3,469.43
22	4.62	9.24	160.97	9.24	427.26	9.24	778.82	9.24	1,172.82	9.24	1,693.88	9.24	2,067.60	9.24	2,324.14	9.24	2,994.38	9.24	3,469.43	9.24	3,469.43
23	4.83	9.66	160.97	9.66	427.26	9.66	778.82	9.66	1,172.82	9.66	1,693.88	9.66	2,067.60	9.66	2,324.14	9.66	2,994.38	9.66	3,469.43	9.66	3,469.43
24	5.04	10.08	160.97	10.08	427.26	10.08	778.82	10.08	1,172.82	10.08	1,693.88	10.08	2,067.60	10.08	2,324.14	10.08	2,994.38	10.08	3,469.43	10.08	3,469.43
25	5.25	10.50	160.97	10.50	427.26	10.50	778.82	10.50	1,172.82	10.50	1,693.88	10.50	2,067.60	10.50	2,324.14	10.50	2,994.38	10.50	3,469.43	10.50	3,469.43
26	5.46	10.92	160.97	10.92	427.26	10.92	778.82	10.92	1,172.82	10.92	1,693.88	10.92	2,067.60	10.92	2,324.14	10.92	2,994.38	10.92	3,469.43	10.92	3,469.43
27	5.67	11.34	160.97	11.34	427.26	11.34	778.82	11.34	1,172.82	11.34	1,693.88	11.34	2,067.60	11.34	2,324.14	11.34	2,994.38	11.34	3,469.43	11.34	3,469.43
28	5.88	11.76	160.97	11.76	427.26	11.76	778.82	11.76	1,172.82	11.76	1,693.88	11.76	2,067.60	11.76	2,324.14	11.76	2,994.38	11.76	3,469.43	11.76	3,469.43
29	6.09	12.18	160.97	12.18	427.26	12.18	778.82	12.18	1,172.82	12.18	1,693.88	12.18	2,067.60	12.18	2,324.14	12.18	2,994.38	12.18	3,469.43	12.18	3,469.43
30	6.30	12.60	160.97	12.60	427.26	12.60	778.82	12.60	1,172.82	12.60	1,693.88	12.60	2,067.60	12.60	2,324.14	12.60	2,994.38	12.60	3,469.43	12.60	3,469.43
31	6.51	13.02	160.97	13.02	427.26	13.02	778.82	13.02	1,172.82	13.02	1,693.88	13.02	2,067.60	13.02	2,324.14	13.02	2,994.38	13.02	3,469.43	13.02	3,469.43
32	6.72	13.44	160.97	13.44	427.26	13.44	778.82	13.44	1,172.82	13.44	1,693.88	13.44	2,067.60	13.44	2,324.14	13.44	2,994.38	13.44	3,469.43	13.44	3,469.43
33	6.93	13.86	160.97	13.86	427.26	13.86	778.82	13.86	1,172.82	13.86	1,693.88	13.86	2,067.60	13.86	2,324.14	13.86	2,994.38	13.86	3,469.43	13.86	3,469.43
34	7.14	14.28	160.97	14.28	427.26	14.28	778.82	14.28	1,172.82	14.28	1,693.88	14.28	2,067.60	14.28	2,324.14	14.28	2,994.38	14.28	3,469.43	14.28	3,469.43
35	7.35	14.70	160.97	14.70	427.26	14.70	778.82	14.70	1,172.82	14.70	1,693.88	14.70	2,067.60	14.70	2,324.14	14.70	2,994.38	14.70	3,469.43	14.70	3,469.43
36	7.56	15.12	160.97	15.12	427.26	15.12	778.82	15.12	1,172.82	15.12	1,693.88	15.12	2,067.60	15.12	2,324.14	15.12	2,994.38	15.12	3,469.43	15.12	3,469.43
37	7.77	15.54	160.97	15.54	427.26	15.54	778.82	15.54	1,172.82	15.54	1,693.88	15.54	2,067.60	15.54	2,324.14	15.54	2,994.38	15.54	3,469.43	15.54	3,469.43
38	7.98	15.96	160.97	15.96	427.26	15.96	778.82	15.96	1,172.82	15.96	1,693.88	15.96	2,067.60	15.96	2,324.14	15.96	2,994.38	15.96	3,469.43	15.96	3,469.43
39	8.19	16.38	160.97	16.38	427.26	16.38	778.82	16.38	1,172.82	16.38	1,693.88	16.38	2,067.60	16.38	2,324.14	16.38	2,994.38	16.38	3,469.43	16.38	3,469.43
40	8.40	16.80	160.97	16.80	427.26	16.80	778.82	16.80	1,172.82	16.80	1,693.88	16.80	2,067.60	16.80	2,324.14	16.80	2,994.38	16.80	3,469.43	16.80	3,469.43
41	8.61	17.22	160.97	17.22	427.26	17.22	778.82	17.22	1,172.82	17.22	1,693.88	17.22	2,067.60	17.22	2,324.14	17.22	2,994.38	17.22	3,469.43	17.22	3,469.43
42	8.82	17.64	160.97	17.64	427.26	17.64	778.82	17.64	1,172.82	17.64	1,693.88	17.64	2,067.60	17.64	2,324.14	17.64	2,994.38	17.64	3,469.43	17.64	3,469.43
43	9.03	18.06	160.97	18.06	427.26	18.06	778.82	18.06	1,172.82	18.06	1,693.88	18.06	2,067.60	18.06	2,324.14	18.06	2,994.38	18.06	3,469.43	18.06	3,469.43
44	9.24	18.48	160.97	18.48	427.26	18.48	778.82	18.48	1,172.82	18.48	1,693.88	18.48	2,067.60	18.48	2,324.14	18.48	2,994.38	18.48	3,469.43	18.48	3,469.43
45	9.45	18.90	160.97	18.90	427.26	18.90	778.82	18.90	1,172.82	18.90	1,693.88	18.90	2,067.60	18.90	2,324.14	18.90	2,994.38	18.90	3,469.43	18.90	3,469.43
46	9.66	19.32	160.97	19.32	427.26	19.32	778.82	19.32	1,172.82	19.32	1,693.88	19.32	2,067.60	19.32	2,324.14	19.32	2,994.38	19.32	3,469.43	19.32	3,469.43
47	9.87	19.74	160.97	19.74	427.26	19.74	778.82	19.74	1,172.82	19.74	1,693.88	19.74	2,067.60	19.74	2,324.14	19.74	2,994.38	19.74	3,469.43	19.74	3,469.43
48	10.08	20.16	160.97	20.16	427.26	20.16	778.82	20.16	1,172.82	20.16	1,693.88	20.16	2,067.60	20.16	2,324.14	20.16	2,994.38	20.16	3,469.43	20.16	3,469.43
49	10.29	20.58	160.97	20.58	427.26	20.58	778.82	20.58	1,172.82	20.58	1,693.88	20.58	2,067.60	20.58							



BARGE "CMS 1603"

CENTER HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	0	0	0	0	0	0	0	0	0	0
1	4,310.09	4,336.32	4,372.36	4,418.92	4,476.29	4,534.69	4,593.23	4,651.91	4,710.74	4,769.71
2	3,919.24	3,944.93	3,980.96	4,027.43	4,074.33	4,121.66	4,169.42	4,217.61	4,266.23	4,315.28
3	3,528.39	3,553.36	3,588.67	3,634.42	3,680.71	3,727.54	3,774.91	3,821.82	3,869.27	3,916.26
4	3,137.54	3,161.86	3,196.61	3,241.58	3,286.68	3,331.91	3,377.27	3,422.76	3,468.38	3,514.14
5	2,746.69	2,769.38	2,802.53	2,846.24	2,890.51	2,935.34	2,980.73	3,025.68	3,071.19	3,117.26
6	2,355.84	2,377.01	2,408.64	2,450.82	2,493.55	2,536.84	2,580.68	2,625.08	2,670.04	2,715.56
7	1,964.99	1,984.68	2,014.81	2,055.48	2,096.69	2,138.34	2,180.54	2,223.28	2,266.57	2,310.41
8	1,574.14	1,592.33	1,620.96	1,659.13	1,697.84	1,737.09	1,776.88	1,817.22	1,858.11	1,900.05
9	1,183.29	1,200.01	1,227.21	1,263.98	1,300.31	1,337.20	1,374.64	1,412.64	1,451.20	1,490.32
10	792.44	807.78	823.63	849.00	874.89	901.30	928.23	955.68	983.66	1,012.18
11	401.59	415.54	429.99	454.96	480.45	506.47	533.02	560.11	587.74	615.91
12	10.74	23.29	36.84	50.39	63.94	77.49	91.04	104.59	118.14	131.69
13	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0	0

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BARGE "CMS 1603"

STBD HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.	IN
0	0	160.00	0	278.33	0	1,013.68	0	2,623.84	0	2,684.93	0
10	1	165.48	164	783.69	164	1,612.96	164	2,066.99	164	2,066.99	164
20	2	160.11	328	1,567.38	328	3,225.92	328	4,233.98	328	4,233.98	328
30	3	164.73	492	2,356.06	492	4,884.80	492	6,347.77	492	6,347.77	492
40	4	169.36	656	3,144.74	656	6,533.60	656	8,402.64	656	8,402.64	656
50	5	174.00	820	3,933.42	820	8,324.48	820	10,779.28	820	10,779.28	820
60	6	178.63	984	4,722.10	984	10,215.36	984	13,367.76	984	13,367.76	984
70	7	183.27	1,148	5,510.78	1,148	11,606.40	1,148	16,067.04	1,148	16,067.04	1,148
80	8	187.90	1,312	6,299.46	1,312	12,995.44	1,312	18,866.16	1,312	18,866.16	1,312
90	9	192.54	1,476	7,088.14	1,476	14,384.48	1,476	21,665.28	1,476	21,665.28	1,476
100	10	197.17	1,640	7,876.82	1,640	15,773.52	1,640	24,464.40	1,640	24,464.40	1,640
110	11	201.81	1,804	8,665.50	1,804	17,162.56	1,804	27,263.52	1,804	27,263.52	1,804
120	12	206.44	1,968	9,454.18	1,968	18,551.60	1,968	30,062.64	1,968	30,062.64	1,968
130	13	211.08	2,132	10,242.86	2,132	19,940.64	2,132	32,861.76	2,132	32,861.76	2,132
140	14	215.71	2,296	11,031.54	2,296	21,329.68	2,296	35,660.88	2,296	35,660.88	2,296
150	15	220.35	2,460	11,820.22	2,460	22,718.72	2,460	38,460.00	2,460	38,460.00	2,460
160	16	224.98	2,624	12,608.90	2,624	24,107.76	2,624	41,259.12	2,624	41,259.12	2,624
170	17	229.62	2,788	13,397.58	2,788	25,496.80	2,788	44,058.24	2,788	44,058.24	2,788
180	18	234.25	2,952	14,186.26	2,952	26,885.84	2,952	46,857.36	2,952	46,857.36	2,952
190	19	238.89	3,116	14,974.94	3,116	28,274.88	3,116	49,656.48	3,116	49,656.48	3,116
200	20	243.52	3,280	15,763.62	3,280	29,663.92	3,280	52,455.60	3,280	52,455.60	3,280
210	21	248.16	3,444	16,552.30	3,444	31,052.96	3,444	55,254.72	3,444	55,254.72	3,444
220	22	252.79	3,608	17,340.98	3,608	32,442.00	3,608	58,053.84	3,608	58,053.84	3,608
230	23	257.43	3,772	18,129.66	3,772	33,831.04	3,772	60,852.96	3,772	60,852.96	3,772
240	24	262.06	3,936	18,918.34	3,936	35,220.08	3,936	63,652.08	3,936	63,652.08	3,936
250	25	266.70	4,100	19,707.02	4,100	36,609.12	4,100	66,451.20	4,100	66,451.20	4,100
260	26	271.33	4,264	20,495.70	4,264	38,000.16	4,264	69,250.32	4,264	69,250.32	4,264
270	27	275.97	4,428	21,284.38	4,428	39,391.20	4,428	72,049.44	4,428	72,049.44	4,428
280	28	280.60	4,592	22,073.06	4,592	40,782.24	4,592	74,848.56	4,592	74,848.56	4,592
290	29	285.24	4,756	22,861.74	4,756	42,173.28	4,756	77,647.68	4,756	77,647.68	4,756
300	30	289.87	4,920	23,650.42	4,920	43,564.32	4,920	80,446.80	4,920	80,446.80	4,920
310	31	294.51	5,084	24,439.10	5,084	44,955.36	5,084	83,245.92	5,084	83,245.92	5,084
320	32	299.14	5,248	25,227.78	5,248	46,346.40	5,248	86,045.04	5,248	86,045.04	5,248
330	33	303.78	5,412	26,016.46	5,412	47,737.44	5,412	88,844.16	5,412	88,844.16	5,412
340	34	308.41	5,576	26,805.14	5,576	49,128.48	5,576	91,643.28	5,576	91,643.28	5,576
350	35	313.05	5,740	27,593.82	5,740	50,519.52	5,740	94,442.40	5,740	94,442.40	5,740
360	36	317.68	5,904	28,382.50	5,904	51,910.56	5,904	97,241.52	5,904	97,241.52	5,904
370	37	322.32	6,068	29,171.18	6,068	53,301.60	6,068	100,040.64	6,068	100,040.64	6,068
380	38	326.95	6,232	29,959.86	6,232	54,692.64	6,232	102,839.76	6,232	102,839.76	6,232
390	39	331.59	6,396	30,748.54	6,396	56,083.68	6,396	105,638.88	6,396	105,638.88	6,396
400	40	336.22	6,560	31,537.22	6,560	57,474.72	6,560	108,438.00	6,560	108,438.00	6,560
410	41	340.86	6,724	32,325.90	6,724	58,865.76	6,724	111,237.12	6,724	111,237.12	6,724
420	42	345.49	6,888	33,114.58	6,888	60,256.80	6,888	114,036.24	6,888	114,036.24	6,888
430	43	350.13	7,052	33,903.26	7,052	61,647.84	7,052	116,835.36	7,052	116,835.36	7,052
440	44	354.76	7,216	34,691.94	7,216	63,038.88	7,216	119,634.48	7,216	119,634.48	7,216
450	45	359.40	7,380	35,480.62	7,380	64,429.92	7,380	122,433.60	7,380	122,433.60	7,380
460	46	364.03	7,544	36,269.30	7,544	65,820.96	7,544	125,232.72	7,544	125,232.72	7,544
470	47	368.67	7,708	37,057.98	7,708	67,212.00	7,708	128,031.84	7,708	128,031.84	7,708
480	48	373.30	7,872	37,846.66	7,872	68,603.04	7,872	130,830.96	7,872	130,830.96	7,872
490	49	377.94	8,036	38,635.34	8,036	70,000.08	8,036	133,630.08	8,036	133,630.08	8,036
500	50	382.57	8,200	39,424.02	8,200	71,396.12	8,200	136,429.20	8,200	136,429.20	8,200
510	51	387.21	8,364	40,212.70	8,364	72,792.16	8,364	139,228.32	8,364	139,228.32	8,364
520	52	391.84	8,528	41,001.38	8,528	74,188.20	8,528	142,027.44	8,528	142,027.44	8,528
530	53	396.48	8,692	41,790.06	8,692	75,584.24	8,692	144,826.56	8,692	144,826.56	8,692
540	54	401.11	8,856	42,578.74	8,856	76,980.28	8,856	147,625.68	8,856	147,625.68	8,856
550	55	405.75	9,020	43,367.42	9,020	78,376.32	9,020	150,424.80	9,020	150,424.80	9,020
560	56	410.38	9,184	44,156.10	9,184	79,772.36	9,184	153,223.92	9,184	153,223.92	9,184
570	57	415.02	9,348	44,944.78	9,348	81,168.40	9,348	156,023.04	9,348	156,023.04	9,348
580	58	419.65	9,512	45,733.46	9,512	82,564.44	9,512	158,822.16	9,512	158,822.16	9,512
590	59	424.29	9,676	46,522.14	9,676	83,960.48	9,676	161,621.28	9,676	161,621.28	9,676
600	60	428.92	9,840	47,310.82	9,840	85,356.52	9,840	164,420.40	9,840	164,420.40	9,840
610	61	433.56	10,004	48,099.50	10,004	86,752.56	10,004	167,219.52	10,004	167,219.52	10,004
620	62	438.19	10,168	48,888.18	10,168	88,148.60	10,168	170,018.64	10,168	170,018.64	10,168
630	63	442.83	10,332	49,676.86	10,332	89,544.64	10,332	172,817.76	10,332	172,817.76	10,332
640	64	447.46	10,496	50,465.54	10,496	90,940.68	10,496	175,616.88	10,496	175,616.88	10,496
650	65	452.10	10,660	51,254.22	10,660	92,336.72	10,660	178,416.00	10,660	178,416.00	10,660
660	66	456.73	10,824	52,042.90	10,824	93,732.76	10,824	181,215.12	10,824	181,215.12	10,824
670	67	461.37	10,988	52,831.58	10,988	95,128.80	10,988	184,014.24	10,988	184,014.24	10,988
680	68	466.00	11,152	53,620.26	11,152	96,524.84	11,152	186,813.36	11,152	186,813.36	11,152
690	69	470.64	11,316	54,408.94	11,316	97,920.88	11,316	189,612.48	11,316	189,612.48	11,316
700	70	475.27	11,480	55,197.62	11,480	99,316.92	11,480	192,411.60	11,480	192,411.60	11,480
710	71	479.91	11,644	55,986.30	11,644	100,712.96	11,644	195,210.72	11,644	195,210.72	11,644
720	72	484.54	11,808	56,775.00	11,808	102,108.00	11,808	198,009.84	11,808	198,009.84	11,808
730	73	489.18	11,972	57,563.70	11,972	103,504.04	11,972	200,808.96	11,972	200,808.96	11,972
740	74	493.81	12,136	58,352.40	12,136	104,900.08	12,136	203,608.08	12,136	203,608.08	12,136
750	75	498.45	12,300	59,141.10	12,300	106,296.12	12,300	206,407.20	12,300	206,407.20	12,300
760	76	503.08	12,464	59,929.80	12,464	107,692.16	12,464	209,206.32	12,464	209,206.32	12,464
770	77	507.72	12,628	60,718.50	12,628	109,088.20	12,628	212,005.44	12,628	212,005.44	12,628
780	78	512.35	12,792	61,507.20	12,792	110,484.24	12,792	214,804.56	12,792	214,804.56	12,792
790	79	517.00	12,956	62,295.90	12,956	111,880.28	12,956	217,603.68	12,956	217,603.68	12,956
800	80	521.63	13,120	63,084.60	13,120	113,276.32	13,120	220,402.80	13,120	220,402.80	13,120
810	81	526.27	13,284	63,873.30	13,284	114,672.36	13,284	223,201.92	13,284	223,201.92	13,284
820	82	530.90	13,448	64,662.00	13,448	116,068.40	13,448	226,001.04	13,448	226,001.04	13,448
830	83	535.54	13,612	65,450.70	13,612	117,464.44	13,612	228,800.16	13,612	228,800.16	13,612
840	84	540.17	13,776	66,239.40	13,776	118,860.48	13,776	231,599.28	13,776	231,599.28	13,776
850	85	544.81	13,940	67,028.10	13,940	120,256.52	13,940	234,398.40	13,940	234,398.40	13,940
860	86	549.44	14,104	67,816.80	14,104	121,652.56	14,104	237,197.52	14,104	237,197.52	14,104
870	87										



BARGE "CMS 1603"

STBD HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	0	0	0	0	0	0	0	0	0	0
1	3,969.63	4,336.81	4,726.80	5,084.33	5,327.65	5,564.33	5,794.88	6,019.88	6,239.88	6,454.88
2	3,916.78	4,244.32	4,732.40	5,070.64	5,231.58	5,381.58	5,521.58	5,661.58	5,801.58	5,941.58
3	3,872.92	4,262.84	4,741.81	5,078.96	5,239.50	5,389.50	5,529.50	5,669.50	5,809.50	5,949.50
4	3,837.07	4,281.36	4,748.82	5,096.82	5,257.36	5,407.36	5,547.36	5,687.36	5,827.36	5,967.36
5	3,806.22	4,309.87	4,766.22	5,115.27	5,275.81	5,425.81	5,565.81	5,705.81	5,845.81	5,985.81
6	3,786.33	4,347.32	4,803.74	5,152.76	5,312.76	5,452.76	5,592.76	5,732.76	5,872.76	6,012.76
7	3,776.43	4,394.77	4,850.21	5,209.21	5,349.21	5,489.21	5,629.21	5,769.21	5,909.21	6,049.21
8	3,776.43	4,452.22	4,906.66	5,275.66	5,415.66	5,555.66	5,695.66	5,835.66	5,975.66	6,115.66
9	3,786.54	4,519.67	4,983.11	5,362.11	5,492.11	5,622.11	5,752.11	5,882.11	6,012.11	6,142.11
10	3,802.64	4,597.12	5,080.56	5,469.56	5,589.56	5,709.56	5,829.56	5,949.56	6,069.56	6,189.56
11	3,833.70	4,684.57	5,182.01	5,587.01	5,697.01	5,807.01	5,917.01	6,027.01	6,137.01	6,247.01
12	4,000.76	4,782.02	5,289.23	5,816.23	5,916.23	6,026.23	6,136.23	6,246.23	6,356.23	6,466.23
13	4,000.82	4,879.47	5,396.68	5,934.68	6,034.68	6,144.68	6,254.68	6,364.68	6,474.68	6,584.68
14	4,016.88	4,987.02	5,524.13	6,072.13	6,172.13	6,282.13	6,392.13	6,502.13	6,612.13	6,722.13
15	4,027.90	5,104.57	5,681.58	6,249.58	6,349.58	6,459.58	6,569.58	6,679.58	6,789.58	6,899.58
16	4,028.91	5,232.02	5,879.03	6,467.03	6,567.03	6,677.03	6,787.03	6,897.03	7,007.03	7,117.03
17	4,045.92	5,369.47	6,086.48	6,704.48	6,804.48	6,914.48	7,024.48	7,134.48	7,244.48	7,354.48
18	4,064.93	5,516.92	6,343.93	7,001.93	7,101.93	7,211.93	7,321.93	7,431.93	7,541.93	7,651.93
19	4,072.98	5,674.37	6,591.38	7,319.38	7,419.38	7,529.38	7,639.38	7,749.38	7,859.38	7,969.38
20	4,081.53	5,841.82	6,808.83	7,657.83	7,757.83	7,867.83	7,977.83	8,087.83	8,197.83	8,307.83
21	4,096.79	6,019.27	7,115.28	8,025.28	8,125.28	8,235.28	8,345.28	8,455.28	8,565.28	8,675.28
22	4,099.71	6,206.72	7,392.73	8,412.73	8,512.73	8,622.73	8,732.73	8,842.73	8,952.73	9,062.73
23	4,109.82	6,404.17	7,690.18	8,820.18	8,920.18	9,030.18	9,140.18	9,250.18	9,360.18	9,470.18
24	4,117.84	6,611.62	8,097.63	9,257.63	9,357.63	9,467.63	9,577.63	9,687.63	9,797.63	9,907.63
25	4,128.46	6,829.07	8,515.08	9,745.08	9,845.08	9,955.08	10,065.08	10,175.08	10,285.08	10,395.08
26	4,136.31	7,056.52	9,002.53	10,272.53	10,372.53	10,482.53	10,592.53	10,702.53	10,812.53	10,922.53
27	4,152.04	7,294.97	9,509.98	10,849.98	10,949.98	11,059.98	11,169.98	11,279.98	11,389.98	11,500.00
28	4,170.71	7,543.42	10,037.43	11,477.43	11,577.43	11,687.43	11,797.43	11,907.43	12,017.43	12,127.43
29	4,179.82	7,801.87	10,584.88	12,154.88	12,254.88	12,364.88	12,474.88	12,584.88	12,694.88	12,804.88
30	4,188.33	8,070.32	11,152.33	12,882.33	12,982.33	13,092.33	13,202.33	13,312.33	13,422.33	13,532.33
31	4,197.14	8,348.77	11,749.78	13,670.78	13,770.78	13,880.78	13,990.78	14,100.78	14,210.78	14,320.78
32	4,206.89	8,637.22	12,367.23	14,528.23	14,628.23	14,738.23	14,848.23	14,958.23	15,068.23	15,178.23
33	4,214.64	8,935.67	13,004.68	15,455.68	15,555.68	15,665.68	15,775.68	15,885.68	15,995.68	16,105.68
34	4,223.40	9,244.12	13,662.13	16,453.13	16,553.13	16,663.13	16,773.13	16,883.13	16,993.13	17,103.13
35	4,232.15	9,562.57	14,339.58	17,530.58	17,630.58	17,740.58	17,850.58	17,960.58	18,070.58	18,180.58
36	4,240.85	9,891.02	15,047.03	18,688.03	18,788.03	18,898.03	19,008.03	19,118.03	19,228.03	19,338.03
37	4,249.56	10,229.47	15,784.48	19,925.48	20,025.48	20,135.48	20,245.48	20,355.48	20,465.48	20,575.48
38	4,258.24	10,577.92	16,551.93	21,242.93	21,342.93	21,452.93	21,562.93	21,672.93	21,782.93	21,892.93
39	4,266.94	10,936.37	17,349.38	22,650.38	22,750.38	22,860.38	22,970.38	23,080.38	23,190.38	23,300.38
40	4,275.64	11,304.82	18,186.83	24,147.83	24,247.83	24,357.83	24,467.83	24,577.83	24,687.83	24,797.83
41	4,284.22	11,683.27	19,064.28	25,735.28	25,835.28	25,945.28	26,055.28	26,165.28	26,275.28	26,385.28
42	4,292.94	12,071.72	19,981.73	27,412.73	27,512.73	27,622.73	27,732.73	27,842.73	27,952.73	28,062.73
43	4,301.49	12,470.17	20,939.18	29,180.18	29,280.18	29,390.18	29,500.18	29,610.18	29,720.18	29,830.18
44	4,310.07	12,878.62	21,936.63	31,038.63	31,138.63	31,248.63	31,358.63	31,468.63	31,578.63	31,688.63
45	4,318.65	13,297.07	22,984.08	33,076.08	33,176.08	33,286.08	33,396.08	33,506.08	33,616.08	33,726.08
46	4,327.23	13,725.52	24,072.53	35,303.53	35,403.53	35,513.53	35,623.53	35,733.53	35,843.53	35,953.53

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/03/2010 CL - BW
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CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2010

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