



BARGE "CMS 1601"

PORT HORIZONTAL

FORMERLY "FMT 2008" INNAGE TABLE PRIMARY GAUGE AT MIDSHIP

Table with columns for height (0 FT. to 146.62 FT.) and corresponding innage values (0 to 3,994.19). The table is organized into 10 vertical sections of 15 rows each.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY. CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS. CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL. CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES. GAUGE POINT: PRIMARY GAUGE AT MIDSHIP AND SECONDARY GAUGE AT BOW.

PRECISION MEASUREMENT & ANALYSIS, INC. P.O. Box 2092 Houston, Texas 77069 http://www.pmausa.com

SHEET NO. 1 OF 8



BARGE "CMS 1601"

PORT HORIZONTAL

INNAGE TABLE

PRIMARY GAUGE AT MIDSHIP

FORMERLY "FMT 2006"

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.		
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0	3,912.39	0	4,339.98	0	4,730.34	0	5,069.17	0	5,332.70	0	5,537.03	0	5,676.48	0	5,746.48	0	5,786.41	0	5,800.01	1	5,804.44
1	3,922.56	14	4,348.51	14	4,730.96	14	5,076.48	14	5,340.01	14	5,544.34	14	5,683.79	14	5,753.79	14	5,793.72	14	5,807.33	15	5,811.76
2	3,931.71	28	4,357.03	28	4,740.67	28	5,086.05	28	5,350.58	28	5,554.91	28	5,694.36	28	5,764.36	28	5,804.29	28	5,817.90	16	5,822.33
3	3,940.86	34	4,366.56	34	4,750.18	34	5,095.56	34	5,360.09	34	5,564.42	34	5,703.87	34	5,773.87	34	5,813.80	34	5,827.41	17	5,831.84
4	3,950.02	40	4,376.08	40	4,760.79	40	5,105.11	40	5,370.62	40	5,574.95	40	5,714.40	40	5,784.40	40	5,824.33	40	5,837.94	18	5,842.88
5	3,959.14	46	4,386.54	46	4,770.32	46	5,114.65	46	5,380.16	46	5,585.09	46	5,724.54	46	5,794.54	46	5,834.47	46	5,848.08	19	5,852.92
6	3,968.26	52	4,396.06	52	4,779.84	52	5,124.19	52	5,390.70	52	5,595.23	52	5,734.93	52	5,804.93	52	5,844.86	52	5,858.47	20	5,862.96
7	3,977.37	58	4,405.58	58	4,789.36	58	5,133.72	58	5,400.24	58	5,605.37	58	5,744.97	58	5,814.97	58	5,854.90	58	5,868.51	21	5,872.96
8	3,986.48	64	4,415.10	64	4,798.88	64	5,143.26	64	5,410.76	64	5,615.51	64	5,755.56	64	5,824.56	64	5,864.49	64	5,878.10	22	5,882.96
9	3,995.56	70	4,424.70	70	4,808.40	70	5,152.79	70	5,420.20	70	5,625.66	70	5,765.61	70	5,834.61	70	5,874.54	70	5,888.15	23	5,892.96
10	4,004.62	76	4,434.22	76	4,817.92	76	5,162.31	76	5,430.72	76	5,635.79	76	5,775.74	76	5,844.74	76	5,884.67	76	5,898.28	24	5,902.96
11	4,013.68	82	4,443.74	82	4,827.44	82	5,171.84	82	5,440.24	82	5,645.97	82	5,785.79	82	5,854.97	82	5,894.90	82	5,908.51	25	5,912.96
12	4,022.75	88	4,453.26	88	4,836.96	88	5,181.36	88	5,450.76	88	5,656.11	88	5,795.93	88	5,864.93	88	5,904.93	88	5,918.54	26	5,922.96
13	4,031.78	94	4,462.78	94	4,846.48	94	5,190.88	94	5,460.28	94	5,666.25	94	5,805.95	94	5,874.95	94	5,914.95	94	5,928.56	27	5,932.96
14	4,040.80	100	4,472.30	100	4,856.00	100	5,200.40	100	5,470.80	100	5,676.39	100	5,815.97	100	5,884.97	100	5,924.97	100	5,938.58	28	5,942.96
15	4,049.82	106	4,481.82	106	4,865.52	106	5,210.92	106	5,480.32	106	5,686.53	106	5,825.99	106	5,894.99	106	5,934.99	106	5,948.60	29	5,952.96
16	4,058.84	112	4,491.34	112	4,875.04	112	5,220.44	112	5,490.84	112	5,696.67	112	5,835.97	112	5,904.97	112	5,944.97	112	5,958.58	30	5,962.96
17	4,067.87	118	4,500.86	118	4,884.56	118	5,230.96	118	5,500.36	118	5,706.81	118	5,845.99	118	5,914.99	118	5,954.99	118	5,968.60	31	5,972.96
18	4,076.79	124	4,510.38	124	4,894.08	124	5,240.48	124	5,510.88	124	5,716.85	124	5,855.97	124	5,924.97	124	5,964.97	124	5,978.58	32	5,982.96
19	4,085.76	130	4,519.90	130	4,903.60	130	5,250.00	130	5,520.40	130	5,726.89	130	5,865.99	130	5,934.99	130	5,974.99	130	5,988.60	33	5,992.96
20	4,103.66	136	4,529.42	136	4,913.12	136	5,259.52	136	5,530.92	136	5,736.93	136	5,875.97	136	5,944.97	136	5,984.97	136	5,998.58	34	6,002.96
21	4,112.58	142	4,538.94	142	4,922.64	142	5,269.04	142	5,540.44	142	5,746.97	142	5,885.99	142	5,954.99	142	5,994.99	142	6,008.60	35	6,012.96
22	4,121.50	148	4,548.46	148	4,932.16	148	5,278.56	148	5,550.96	148	5,757.01	148	5,895.97	148	5,964.97	148	6,004.97	148	6,018.58	36	6,022.96
23	4,130.43	154	4,557.98	154	4,941.68	154	5,288.08	154	5,560.48	154	5,767.05	154	5,905.97	154	5,974.97	154	6,014.97	154	6,028.58	37	6,032.96
24	4,139.30	160	4,567.50	160	4,951.20	160	5,297.60	160	5,570.00	160	5,777.09	160	5,915.97	160	5,984.97	160	6,024.97	160	6,038.58	38	6,042.96
25	4,148.17	166	4,577.02	166	4,960.72	166	5,307.12	166	5,580.52	166	5,787.13	166	5,925.97	166	5,994.97	166	6,034.97	166	6,048.58	39	6,052.96
26	4,167.04	172	4,586.54	172	4,970.24	172	5,316.64	172	5,590.04	172	5,797.17	172	5,935.97	172	6,004.97	172	6,044.97	172	6,058.58	40	6,062.96
27	4,165.91	178	4,596.06	178	4,979.76	178	5,326.16	178	5,600.56	178	5,807.21	178	5,945.97	178	6,014.97	178	6,054.97	178	6,068.58	41	6,072.96
28	4,174.73	184	4,605.58	184	4,989.28	184	5,335.68	184	5,610.08	184	5,817.25	184	5,955.97	184	6,024.97	184	6,064.97	184	6,078.58	42	6,082.96
29	4,183.56	190	4,615.10	190	4,998.80	190	5,345.20	190	5,620.60	190	5,827.29	190	5,965.97	190	6,034.97	190	6,074.97	190	6,088.58	43	6,092.96
30	4,192.36	196	4,624.62	196	5,008.32	196	5,354.72	196	5,630.12	196	5,837.33	196	5,975.97	196	6,044.97	196	6,084.97	196	6,098.58	44	6,102.96
31	4,201.18	202	4,634.14	202	5,017.84	202	5,364.24	202	5,640.64	202	5,847.37	202	5,985.97	202	6,054.97	202	6,094.97	202	6,108.58	45	6,112.96
32	4,209.94	208	4,643.66	208	5,027.36	208	5,373.76	208	5,650.16	208	5,857.41	208	5,995.97	208	6,064.97	208	6,104.97	208	6,118.58	46	6,122.96
33	4,218.71	214	4,653.18	214	5,036.88	214	5,383.28	214	5,660.68	214	5,867.45	214	6,005.97	214	6,074.97	214	6,114.97	214	6,128.58	47	6,132.96
34	4,227.47	220	4,662.70	220	5,046.40	220	5,392.80	220	5,670.20	220	5,877.49	220	6,015.97	220	6,084.97	220	6,124.97	220	6,138.58	48	6,142.96
35	4,236.23	226	4,672.22	226	5,055.92	226	5,402.32	226	5,680.72	226	5,887.53	226	6,025.97	226	6,094.97	226	6,134.97	226	6,148.58	49	6,152.96
36	4,244.94	232	4,681.74	232	5,065.44	232	5,411.84	232	5,690.24	232	5,897.57	232	6,035.97	232	6,104.97	232	6,144.97	232	6,158.58	50	6,162.96
37	4,253.64	238	4,691.26	238	5,074.96	238	5,421.36	238	5,700.76	238	5,907.61	238	6,045.97	238	6,114.97	238	6,154.97	238	6,168.58	51	6,172.96
38	4,262.36	244	4,700.78	244	5,084.48	244	5,430.88	244	5,710.28	244	5,917.65	244	6,055.97	244	6,124.97	244	6,164.97	244	6,178.58	52	6,182.96
39	4,271.06	250	4,710.30	250	5,094.00	250	5,440.40	250	5,720.80	250	5,927.69	250	6,065.97	250	6,134.97	250	6,174.97	250	6,188.58	53	6,192.96
40	4,279.70	256	4,719.82	256	5,103.52	256	5,450.92	256	5,730.32	256	5,937.73	256	6,075.97	256	6,144.97	256	6,184.97	256	6,198.58	54	6,202.96
41	4,288.38	262	4,729.34	262	5,113.04	262	5,460.44	262	5,740.84	262	5,947.77	262	6,085.97	262	6,154.97	262	6,194.97	262	6,208.58	55	6,212.96
42	4,296.99	268	4,738.86	268	5,122.56	268	5,470.96	268	5,750.36	268	5,957.81	268	6,095.97	268	6,164.97	268	6,204.97	268	6,218.58	56	6,222.96
43	4,305.54	274	4,748.38	274	5,132.08	274	5,480.48	274	5,760.86	274	5,967.85	274	6,105.97	274	6,174.97	274	6,214.97	274	6,228.58	57	6,232.96
44	4,314.23	280	4,757.90	280	5,141.60	280	5,490.00	280	5,770.36	280	5,977.89	280	6,115.97	280	6,184.97	280	6,224.97	280	6,238.58	58	6,242.96
45	4,322.81	286	4,767.42	286	5,151.12	286	5,500.52	286	5,780.86	286	5,987.93	286	6,125.97	286	6,194.97	286	6,234.97	286	6,248.58	59	6,252.96
46	4,331.40	292	4,776.94	292	5,160.64	292	5,510.04	292	5,790.36	292	5,997.97	292	6,135.97	292	6,204.97	292	6,244.97	292	6,258.58	60	6,262.96

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

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BARGE "CMS 1601"

CENTER HORIZONTAL

INNAE TABLE PRIMARY GAUGE AT MIDSHIP

CAPACITIES OPEN IN BARRELS OF 42 U.S. GALLONS

Table with columns for depth (0 to 146.69 FT) and capacity (0 to 421.53 barrels) for various barge heights (8 FT to 9 FT).

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NFPA CHAPTER 2.2. CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL. CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK. CAPACITY TABLE ONLY APPLIES TO INNAE GAUGES. GAUGE POINT: PRIMARY GAUGE AT MIDSHIP AND SECONDARY GAUGE AT BOW.

FORMERLY "FMT 2008"

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

PRECISION MEASUREMENT & ANALYSIS, INC. P.O. Box 2892 Houston, Texas 77088 Http://www.pmatcorp.net

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BARGE "CMS 1601"

CENTER HORIZONTAL

INNER GAUGE AT MIDSHIP

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.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
1	3,517.53	0	4,344.57	0	4,736.34	0	5,074.53	0	5,338.34	0	5,563.34	0	5,753.34	0	5,903.34	0	6,018.34	0	6,103.34
1 1/2	3,926.70	1 1/2	4,753.11	1 1/2	5,145.11	1 1/2	5,483.11	1 1/2	5,747.11	1 1/2	5,972.11	1 1/2	6,162.11	1 1/2	6,312.11	1 1/2	6,427.11	1 1/2	6,512.11
2	4,335.87	2	5,162.28	2	5,554.28	2	5,892.28	2	6,156.28	2	6,381.28	2	6,571.28	2	6,721.28	2	6,836.28	2	6,921.28
2 1/2	4,745.04	2 1/2	5,571.45	2 1/2	5,963.45	2 1/2	6,301.45	2 1/2	6,565.45	2 1/2	6,790.45	2 1/2	6,980.45	2 1/2	7,130.45	2 1/2	7,245.45	2 1/2	7,330.45
3	5,154.21	3	5,980.62	3	6,372.62	3	6,710.62	3	6,974.62	3	7,209.62	3	7,409.62	3	7,559.62	3	7,674.62	3	7,759.62
3 1/2	5,563.38	3 1/2	6,389.79	3 1/2	6,781.79	3 1/2	7,119.79	3 1/2	7,383.79	3 1/2	7,618.79	3 1/2	7,818.79	3 1/2	7,968.79	3 1/2	8,083.79	3 1/2	8,168.79
4	5,972.55	4	6,798.96	4	7,190.96	4	7,528.96	4	7,792.96	4	8,027.96	4	8,227.96	4	8,377.96	4	8,492.96	4	8,577.96
4 1/2	6,381.72	4 1/2	7,208.13	4 1/2	7,600.13	4 1/2	7,938.13	4 1/2	8,202.13	4 1/2	8,437.13	4 1/2	8,637.13	4 1/2	8,787.13	4 1/2	8,902.13	4 1/2	8,987.13
5	6,790.89	5	7,617.30	5	8,009.30	5	8,347.30	5	8,611.30	5	8,846.30	5	9,046.30	5	9,206.30	5	9,321.30	5	9,406.30
5 1/2	7,199.06	5 1/2	8,025.47	5 1/2	8,417.47	5 1/2	8,755.47	5 1/2	9,019.47	5 1/2	9,254.47	5 1/2	9,454.47	5 1/2	9,614.47	5 1/2	9,729.47	5 1/2	9,814.47
6	7,608.23	6	8,434.64	6	8,826.64	6	9,164.64	6	9,428.64	6	9,678.64	6	9,898.64	6	10,088.64	6	10,248.64	6	10,363.64
6 1/2	8,017.40	6 1/2	8,843.81	6 1/2	9,235.81	6 1/2	9,573.81	6 1/2	9,837.81	6 1/2	10,087.81	6 1/2	10,307.81	6 1/2	10,497.81	6 1/2	10,657.81	6 1/2	10,772.81
7	8,426.57	7	9,252.98	7	9,644.98	7	9,982.98	7	10,246.98	7	10,506.98	7	10,726.98	7	10,916.98	7	11,076.98	7	11,201.98
7 1/2	8,835.74	7 1/2	9,662.15	7 1/2	10,054.15	7 1/2	10,392.15	7 1/2	10,656.15	7 1/2	10,916.15	7 1/2	11,136.15	7 1/2	11,326.15	7 1/2	11,486.15	7 1/2	11,601.15
8	9,244.91	8	10,071.32	8	10,463.32	8	10,801.32	8	11,065.32	8	11,325.32	8	11,545.32	8	11,735.32	8	11,895.32	8	12,020.32
8 1/2	9,654.08	8 1/2	10,480.49	8 1/2	10,872.49	8 1/2	11,210.49	8 1/2	11,474.49	8 1/2	11,734.49	8 1/2	11,954.49	8 1/2	12,144.49	8 1/2	12,304.49	8 1/2	12,429.49
9	10,063.25	9	10,889.66	9	11,281.66	9	11,619.66	9	11,883.66	9	12,143.66	9	12,363.66	9	12,553.66	9	12,713.66	9	12,838.66
9 1/2	10,472.42	9 1/2	11,298.83	9 1/2	11,690.83	9 1/2	12,028.83	9 1/2	12,292.83	9 1/2	12,552.83	9 1/2	12,772.83	9 1/2	12,962.83	9 1/2	13,122.83	9 1/2	13,247.83
10	10,881.59	10	11,708.00	10	12,099.00	10	12,437.00	10	12,701.00	10	12,961.00	10	13,181.00	10	13,371.00	10	13,531.00	10	13,656.00
10 1/2	11,290.76	10 1/2	12,117.17	10 1/2	12,508.17	10 1/2	12,846.17	10 1/2	13,110.17	10 1/2	13,370.17	10 1/2	13,590.17	10 1/2	13,780.17	10 1/2	13,940.17	10 1/2	14,065.17
11	11,699.93	11	12,526.34	11	12,917.34	11	13,255.34	11	13,519.34	11	13,779.34	11	14,009.34	11	14,209.34	11	14,369.34	11	14,494.34
11 1/2	12,109.10	11 1/2	12,935.51	11 1/2	13,326.51	11 1/2	13,664.51	11 1/2	13,928.51	11 1/2	14,188.51	11 1/2	14,418.51	11 1/2	14,618.51	11 1/2	14,778.51	11 1/2	14,903.51
12	12,518.27	12	13,344.68	12	13,735.68	12	14,073.68	12	14,337.68	12	14,607.68	12	14,837.68	12	15,037.68	12	15,207.68	12	15,332.68
12 1/2	12,927.44	12 1/2	13,753.85	12 1/2	14,144.85	12 1/2	14,482.85	12 1/2	14,746.85	12 1/2	15,016.85	12 1/2	15,246.85	12 1/2	15,446.85	12 1/2	15,616.85	12 1/2	15,741.85
13	13,336.61	13	14,163.02	13	14,554.02	13	14,892.02	13	15,156.02	13	15,426.02	13	15,656.02	13	15,856.02	13	16,026.02	13	16,151.02
13 1/2	13,745.78	13 1/2	14,572.19	13 1/2	14,963.19	13 1/2	15,301.19	13 1/2	15,565.19	13 1/2	15,835.19	13 1/2	16,065.19	13 1/2	16,265.19	13 1/2	16,435.19	13 1/2	16,560.19
14	14,154.95	14	14,981.36	14	15,372.36	14	15,710.36	14	15,974.36	14	16,244.36	14	16,474.36	14	16,674.36	14	16,844.36	14	16,969.36
14 1/2	14,564.12	14 1/2	15,390.53	14 1/2	15,781.53	14 1/2	16,119.53	14 1/2	16,383.53	14 1/2	16,653.53	14 1/2	16,883.53	14 1/2	17,083.53	14 1/2	17,253.53	14 1/2	17,378.53
15	14,973.29	15	15,799.70	15	16,190.70	15	16,528.70	15	16,792.70	15	17,062.70	15	17,292.70	15	17,492.70	15	17,662.70	15	17,787.70
15 1/2	15,382.46	15 1/2	16,208.87	15 1/2	16,599.87	15 1/2	16,937.87	15 1/2	17,201.87	15 1/2	17,471.87	15 1/2	17,701.87	15 1/2	17,901.87	15 1/2	18,071.87	15 1/2	18,206.87
16	15,791.63	16	16,618.04	16	17,009.04	16	17,347.04	16	17,611.04	16	17,881.04	16	18,111.04	16	18,311.04	16	18,481.04	16	18,606.04
16 1/2	16,200.80	16 1/2	17,027.21	16 1/2	17,418.21	16 1/2	17,756.21	16 1/2	18,020.21	16 1/2	18,290.21	16 1/2	18,520.21	16 1/2	18,720.21	16 1/2	18,890.21	16 1/2	19,015.21
17	16,609.97	17	17,436.38	17	17,827.38	17	18,165.38	17	18,429.38	17	18,699.38	17	18,929.38	17	19,129.38	17	19,299.38	17	19,424.38
17 1/2	17,019.14	17 1/2	17,845.55	17 1/2	18,236.55	17 1/2	18,574.55	17 1/2	18,838.55	17 1/2	19,108.55	17 1/2	19,338.55	17 1/2	19,538.55	17 1/2	19,708.55	17 1/2	19,833.55
18	17,428.31	18	18,254.72	18	18,645.72	18	18,983.72	18	19,247.72	18	19,517.72	18	19,747.72	18	19,947.72	18	20,117.72	18	20,242.72
18 1/2	17,837.48	18 1/2	18,663.89	18 1/2	19,054.89	18 1/2	19,392.89	18 1/2	19,656.89	18 1/2	19,926.89	18 1/2	20,156.89	18 1/2	20,356.89	18 1/2	20,526.89	18 1/2	20,651.89
19	18,246.65	19	19,073.06	19	19,464.06	19	19,802.06	19	20,066.06	19	20,336.06	19	20,566.06	19	20,766.06	19	20,936.06	19	21,061.06
19 1/2	18,655.82	19 1/2	19,482.23	19 1/2	19,873.23	19 1/2	20,211.23	19 1/2	20,475.23	19 1/2	20,745.23	19 1/2	20,975.23	19 1/2	21,175.23	19 1/2	21,345.23	19 1/2	21,470.23
20	19,064.99	20	19,891.40	20	20,282.40	20	20,620.40	20	20,884.40	20	21,154.40	20	21,384.40	20	21,584.40	20	21,754.40	20	21,879.40
20 1/2	19,474.16	20 1/2	20,300.57	20 1/2	20,691.57	20 1/2	21,029.57	20 1/2	21,293.57	20 1/2	21,563.57	20 1/2	21,793.57	20 1/2	21,993.57	20 1/2	22,163.57	20 1/2	22,288.57
21	19,883.33	21	20,709.74	21	21,100.74	21	21,438.74	21	21,702.74	21	21,972.74	21	22,202.74	21	22,402.74	21	22,572.74	21	22,707.74
21 1/2	20,292.50	21 1/2	21,118.91	21 1/2	21,509.91	21 1/2	21,847.91	21 1/2	22,111.91	21 1/2	22,381.91	21 1/2	22,611.91	21 1/2	22,811.91	21 1/2	22,981.91	21 1/2	23,106.91
22	20,701.67	22	21,528.08	22	21,919.08	22	22,257.08	22	22,521.08	22	22,791.08	22	23,021.08	22	23,221.08	22	23,391.08	22	23,516.08
22 1/2	21,110.84	22 1/2	21,937.25	22 1/2	22,328.25	22 1/2	22,666.25	22 1/2	22,930.25	22 1/2	23,200.25	22 1/2	23,430.25	22 1/2	23,630.25	22 1/2	23,800.25	22 1/2	23,925.25
23	21,519.01	23	22,345.42	23	22,736.42	23	23,074.42	23	23,338.42	23	23,608.42	23	23,838.42	23	24,038.42	23	24,208.42	23	24,333.42
23 1/2	21,928.18	23 1/2	22,754.59	23 1/2	23,145.59	23 1/2	23,483.59	23 1/2	23,747.59	23 1/2	24,017.59	23 1/2	24,247.59	23 1/2	24,447.59	23 1/2	24,617.59	23 1/2	24,742.59
24	22,337.35	24	23,163.76	24	23,554.76	24	23,892.76	24	24,156.76	24	24,426.76	24	24,656.76	24	24,856.76	24	25,026.76	24	25,151.76
24 1/2	22,746.52	24 1/2	23,572.93	24 1/2	23,963.93	24 1/2	24,301.93	24 1/2	24,565.93	24 1/2	24,835.93	24 1/2	25,065.93	24 1/2	25,265.93	24 1/2	25,435.93	24 1/2	25,560.93
25	23,155.69	25	23,982.10	25	24,373.10	25	24,711.10	25	24,975.10	25	25,245.10	25	25,475.10	25	25,675.10	25	25,845.10	25	25,970.10
25 1/2	23,564.86	25 1/2	24,391.27	25 1/2	24,782.27	25 1/2	25,120.27	25 1/2	25,384.27	25 1/2	25,654.27	25 1/2	25,884.27	25 1/2	26,084.27	25 1/2	26,254.27	25 1/2	26,379.27
26	23,974.03	26	24,800.44	26	25,191.44	26	25,529.44	26	25,793.44	26	26,063.44	26	26,293.44	26	26,493.44	26	26,663.44	26	26,788.44
26 1/2	24,383.20	26 1/2	25,209.61	26 1/2	25,600.61	26 1/2	25,938.61	26 1/2	26,202.61	26 1/2	26,472.61	26 1/2	26,7						



BARGE "CMS 1601"

STBD HORIZONTAL

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "FMT 2005"

IMMAGE TABLE PRIMARY GAUGE AT MIDSHIP

Table with columns for height (0 FT. to 9 FT.) and corresponding capacity values in barrels. The table is organized into 9 vertical sections, one for each foot of height, with 24 rows per section.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IPIFAS CHAPTER 2.1E.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO IMRAGE GAUGES.

GAUGE POINT: PRIMARY GAUGE AT MIDSHIP AND SECONDARY GAUGE AT BOW.

PRECISION MEASUREMENT & ANALYSIS, INC. P.O. Box 28811 Houston, Texas 77088

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BARGE "CMS 1601"

STBD
HORIZONTAL

INNAGE TABLE

PRIMARY GAUGE AT MIDSHIP

FORMERLY "FMT 2006"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,911.79	0	4,338.20	0	4,728.41	0	5,087.12	0	5,330.58	0		0		0		0		0	
1	3,920.94	14	4,346.72	14	4,736.02	14	5,073.43	14	5,314.91	14		14		14		14		14	
2	3,930.09	28	4,362.24	28	4,743.63	28	5,079.75	28	5,339.24	28		28		28		28		28	
3	3,939.25	42	4,363.76	42	4,751.24	42	5,086.07	42	5,343.66	42		42		42		42		42	
4	3,948.40	56	4,372.28	56	4,768.95	56	5,092.38	56	5,347.88	56		56		56		56		56	
5	3,957.51	70	4,380.74	70	4,766.37	70	5,098.86	70	5,351.99	70		70		70		70		70	
6	3,966.62	84	4,389.19	84	4,773.99	84	5,104.75	84	5,360.19	84		84		84		84		84	
7	3,975.73	98	4,397.65	98	4,781.41	98	5,110.93	98	5,360.19	98		98		98		98		98	
8	3,984.84	112	4,406.11	112	4,788.93	112	5,117.11	112	5,364.29	112		112		112		112		112	
9	3,993.91	126	4,414.50	126	4,796.35	126	5,123.16	126	5,368.16	126		126		126		126		126	
10	4,002.97	140	4,422.89	140	4,803.78	140	5,129.21	140	5,372.01	140		140		140		140		140	
11	4,012.04	154	4,431.27	154	4,811.21	154	5,135.26	154	5,375.87	154		154		154		154		154	
12	4,021.10	168	4,439.66	168	4,818.63	168	5,141.30	168	5,379.73	168		168		168		168		168	
13	4,030.12	182	4,447.99	182	4,826.96	182	5,147.21	182	5,383.33	182		182		182		182		182	
14	4,039.14	196	4,456.31	196	4,833.29	196	5,153.11	196	5,386.93	196		196		196		196		196	
15	4,048.16	210	4,464.63	210	4,840.62	210	5,159.02	210	5,390.63	210		210		210		210		210	
16	4,057.17	224	4,472.96	224	4,847.96	224	5,164.92	224	5,394.43	224		224		224		224		224	
17	4,066.14	238	4,481.20	238	4,855.18	238	5,170.68	238	5,397.46	238		238		238		238		238	
18	4,075.11	252	4,489.48	252	4,862.41	252	5,176.44	252	5,400.77	252		252		252		252		252	
19	4,084.08	266	4,497.70	266	4,869.84	266	5,182.20	266	5,404.08	266		266		266		266		266	
20	4,093.06	280	4,505.96	280	4,876.97	280	5,187.96	280	5,407.40	280		280		280		280		280	
21	4,101.97	294	4,514.13	294	4,884.00	294	5,193.67	294	5,410.41	294		294		294		294		294	
22	4,110.89	308	4,522.31	308	4,891.13	308	5,199.18	308	5,413.41	308		308		308		308		308	
23	4,119.81	322	4,530.49	322	4,898.26	322	5,204.79	322	5,416.42	322		322		322		322		322	
24	4,128.73	336	4,538.67	336	4,905.38	336	5,210.39	336	5,419.42	336		336		336		336		336	
25	4,137.60	350	4,546.76	350	4,912.41	350	5,216.84	350	5,422.08	350		350		350		350		350	
26	4,146.48	364	4,554.88	364	4,919.43	364	5,221.39	364	5,424.73	364		364		364		364		364	
27	4,155.33	378	4,562.99	378	4,926.46	378	5,226.74	378	5,427.39	378		378		378		378		378	
28	4,164.20	392	4,571.09	392	4,933.48	392	5,232.19	392	5,430.04	392		392		392		392		392	
29	4,173.01	406	4,579.12	406	4,940.39	406	5,237.47	406	5,432.28	406		406		406		406		406	
30	4,181.83	420	4,587.16	420	4,947.38	420	5,242.76	420	5,434.63	420		420		420		420		420	
31	4,190.64	434	4,595.17	434	4,954.23	434	5,248.04	434	5,436.77	434		434		434		434		434	
32	4,199.46	448	4,603.20	448	4,961.33	448	5,253.32	448	5,439.92	448		448		448		448		448	
33	4,208.23	462	4,611.16	462	4,967.93	462	5,258.43	462	5,440.76	462		462		462		462		462	
34	4,216.97	476	4,619.10	476	4,974.74	476	5,263.54	476	5,442.49	476		476		476		476		476	
35	4,225.73	490	4,627.06	490	4,981.54	490	5,268.56	490	5,444.22	490		490		490		490		490	
36	4,234.49	504	4,635.00	504	4,988.34	504	5,273.76	504	5,445.96	504		504		504		504		504	
37	4,243.19	518	4,642.87	518	4,995.93	518	5,279.59	518	5,446.91	518		518		518		518		518	
38	4,251.90	532	4,650.74	532	5,003.71	532	5,285.62	532	5,447.85	532		532		532		532		532	
39	4,260.60	546	4,658.60	546	5,011.40	546	5,291.56	546	5,448.80	546		546		546		546		546	
40	4,269.30	560	4,666.47	560	5,019.08	560	5,297.48	560	5,448.75	560		560		560		560		560	
41	4,277.94	574	4,674.26	574	5,026.66	574	5,303.22	574				574		574		574		574	
42	4,286.68	588	4,682.87	588	5,034.22	588	5,308.99	588				588		588		588		588	
43	4,295.23	602	4,691.83	602	5,041.79	602	5,314.69	602				602		602		602		602	
44	4,303.87	616	4,699.61	616	5,049.16	616	5,320.43	616				616		616		616		616	
45	4,312.46	630	4,706.31	630	5,056.47	630	5,326.06	630				630		630		630		630	
46	4,321.04	644	4,713.01	644	5,063.63	644	5,331.66	644				644		644		644		644	
47	4,329.62	658	4,720.71	658	5,070.68	658	5,337.06	658				658		658		658		658	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 04062010 CL - SW
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