



# BARGE "CMS 1607"

# PORT HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0.12	0	179.25	0	504.00	0	916.80	0	1,393.30	0	1,917.80	0	2,478.18	0	3,064.25	0	3,666.90	0	4,277.60
1/4	1.20	1/4	184.91	1/4	511.87	1/4	926.18	1/4	1,403.81	1/4	1,929.17	1/4	2,490.18	1/4	3,076.68	1/4	3,679.57	1/4	4,290.35
1/2	2.28	1/2	190.58	1/2	519.74	1/2	935.56	1/2	1,414.33	1/2	1,940.54	1/2	2,502.18	1/2	3,089.11	1/2	3,692.24	1/2	4,303.10
3/4	3.36	3/4	196.25	3/4	527.61	3/4	944.94	3/4	1,424.84	3/4	1,951.91	3/4	2,514.18	3/4	3,101.54	3/4	3,704.92	3/4	4,315.85
1	4.43	1	201.91	1	535.48	1	954.32	1	1,435.36	1	1,963.28	1	2,526.17	1	3,113.96	1	3,717.59	1	4,328.60
1/4	6.41	1/4	207.80	1/4	543.49	1/4	963.81	1/4	1,445.95	1/4	1,974.71	1/4	2,538.21	1/4	3,126.42	1/4	3,730.28	1/4	4,341.35
1/2	8.38	1/2	213.68	1/2	551.50	1/2	973.30	1/2	1,456.55	1/2	1,986.14	1/2	2,550.25	1/2	3,138.87	1/2	3,742.97	1/2	4,354.09
3/4	10.36	3/4	219.56	3/4	559.52	3/4	982.79	3/4	1,467.14	3/4	1,997.57	3/4	2,562.29	3/4	3,151.32	3/4	3,755.66	3/4	4,366.84
2	12.33	2	225.45	2	567.53	2	992.28	2	1,477.74	2	2,009.00	2	2,574.34	2	3,163.78	2	3,768.34	2	4,379.59
1/4	14.90	1/4	231.56	1/4	575.68	1/4	1,001.87	1/4	1,488.42	1/4	2,020.49	1/4	2,586.42	1/4	3,176.26	1/4	3,781.04	1/4	4,392.33
1/2	17.46	1/2	237.68	1/2	583.84	1/2	1,011.46	1/2	1,499.09	1/2	2,031.97	1/2	2,598.50	1/2	3,188.74	1/2	3,793.74	1/2	4,405.08
3/4	20.02	3/4	243.80	3/4	591.99	3/4	1,021.06	3/4	1,509.76	3/4	2,043.46	3/4	2,610.58	3/4	3,201.22	3/4	3,806.44	3/4	4,417.82
3	22.58	3	249.92	3	600.14	3	1,030.65	3	1,520.44	3	2,054.95	3	2,622.66	3	3,213.70	3	3,819.14	3	4,430.57
1/4	25.62	1/4	256.26	1/4	608.44	1/4	1,040.35	1/4	1,531.19	1/4	2,066.50	1/4	2,634.79	1/4	3,226.21	1/4	3,831.85	1/4	4,443.31
1/2	28.66	1/2	262.61	1/2	616.73	1/2	1,050.04	1/2	1,541.94	1/2	2,078.05	1/2	2,646.91	1/2	3,238.71	1/2	3,844.56	1/2	4,456.05
3/4	31.69	3/4	268.95	3/4	625.02	3/4	1,059.74	3/4	1,552.70	3/4	2,089.59	3/4	2,659.03	3/4	3,251.22	3/4	3,857.27	3/4	4,468.79
4	34.73	4	275.30	4	633.31	4	1,069.43	4	1,563.45	4	2,101.14	4	2,671.15	4	3,263.72	4	3,869.98	4	4,481.53
1/4	38.17	1/4	281.83	1/4	641.74	1/4	1,079.23	1/4	1,574.28	1/4	2,112.74	1/4	2,683.32	1/4	3,276.25	1/4	3,882.70	1/4	4,494.27
1/2	41.62	1/2	288.37	1/2	650.16	1/2	1,089.02	1/2	1,585.10	1/2	2,124.34	1/2	2,695.48	1/2	3,288.78	1/2	3,895.41	1/2	4,507.01
3/4	45.06	3/4	294.91	3/4	658.59	3/4	1,098.82	3/4	1,595.93	3/4	2,135.95	3/4	2,707.64	3/4	3,301.31	3/4	3,908.13	3/4	4,519.74
5	48.51	5	301.44	5	667.01	5	1,108.61	5	1,606.76	5	2,147.55	5	2,719.80	5	3,313.84	5	3,920.85	5	4,532.48
1/4	52.32	1/4	308.17	1/4	675.57	1/4	1,118.50	1/4	1,617.66	1/4	2,159.21	1/4	2,732.00	1/4	3,326.39	1/4	3,933.58	1/4	4,545.21
1/2	56.13	1/2	314.89	1/2	684.12	1/2	1,128.40	1/2	1,628.56	1/2	2,170.86	1/2	2,744.20	1/2	3,338.94	1/2	3,946.30	1/2	4,557.94
3/4	59.94	3/4	321.61	3/4	692.68	3/4	1,138.29	3/4	1,639.46	3/4	2,182.52	3/4	2,756.40	3/4	3,351.49	3/4	3,959.03	3/4	4,570.67
6	63.75	6	328.34	6	701.23	6	1,148.18	6	1,650.36	6	2,194.18	6	2,768.60	6	3,364.05	6	3,971.76	6	4,583.40
1/4	67.89	1/4	335.24	1/4	709.91	1/4	1,158.17	1/4	1,661.34	1/4	2,205.89	1/4	2,780.83	1/4	3,376.62	1/4	3,984.49	1/4	4,596.12
1/2	72.03	1/2	342.14	1/2	718.60	1/2	1,168.16	1/2	1,672.31	1/2	2,217.59	1/2	2,793.07	1/2	3,389.19	1/2	3,997.22	1/2	4,608.85
3/4	76.17	3/4	349.05	3/4	727.28	3/4	1,178.14	3/4	1,683.28	3/4	2,229.30	3/4	2,805.30	3/4	3,401.76	3/4	4,009.96	3/4	4,621.57
7	80.31	7	355.95	7	735.96	7	1,188.13	7	1,694.26	7	2,241.01	7	2,817.54	7	3,414.34	7	4,022.69	7	4,634.29
1/4	84.76	1/4	363.03	1/4	744.77	1/4	1,198.21	1/4	1,705.30	1/4	2,252.78	1/4	2,829.81	1/4	3,426.93	1/4	4,035.43	1/4	4,647.01
1/2	89.20	1/2	370.10	1/2	753.57	1/2	1,208.29	1/2	1,716.34	1/2	2,264.54	1/2	2,842.08	1/2	3,439.52	1/2	4,048.17	1/2	4,659.72
3/4	93.65	3/4	377.18	3/4	762.38	3/4	1,218.37	3/4	1,727.39	3/4	2,276.30	3/4	2,854.35	3/4	3,452.11	3/4	4,060.91	3/4	4,672.43
8	98.10	8	384.26	8	771.19	8	1,228.45	8	1,738.43	8	2,288.06	8	2,866.62	8	3,464.71	8	4,073.65	8	4,685.15
1/4	102.80	1/4	391.50	1/4	780.11	1/4	1,238.63	1/4	1,749.54	1/4	2,299.87	1/4	2,878.93	1/4	3,477.32	1/4	4,086.39	1/4	4,697.85
1/2	107.51	1/2	398.74	1/2	789.04	1/2	1,248.80	1/2	1,760.65	1/2	2,311.68	1/2	2,891.23	1/2	3,489.93	1/2	4,099.13	1/2	4,710.56
3/4	112.21	3/4	405.99	3/4	797.97	3/4	1,258.97	3/4	1,771.76	3/4	2,323.49	3/4	2,903.54	3/4	3,502.54	3/4	4,111.88	3/4	4,723.26
9	116.92	9	413.23	9	806.89	9	1,269.14	9	1,782.88	9	2,335.30	9	2,915.84	9	3,515.15	9	4,124.62	9	4,735.96
1/4	121.86	1/4	420.64	1/4	815.94	1/4	1,279.40	1/4	1,794.05	1/4	2,347.16	1/4	2,928.18	1/4	3,527.78	1/4	4,137.37	1/4	4,748.66
1/2	126.81	1/2	428.05	1/2	824.98	1/2	1,289.66	1/2	1,805.23	1/2	2,359.02	1/2	2,940.51	1/2	3,540.41	1/2	4,150.11	1/2	4,761.35
3/4	131.76	3/4	435.46	3/4	834.03	3/4	1,299.92	3/4	1,816.41	3/4	2,370.88	3/4	2,952.85	3/4	3,553.04	3/4	4,162.86	3/4	4,774.04
10	136.70	10	442.86	10	843.07	10	1,310.18	10	1,827.59	10	2,382.74	10	2,965.19	10	3,565.67	10	4,175.61	10	4,786.74
1/4	141.90	1/4	450.43	1/4	852.23	1/4	1,320.53	1/4	1,838.84	1/4	2,394.65	1/4	2,977.56	1/4	3,578.32	1/4	4,188.36	1/4	4,799.42
1/2	147.10	1/2	458.00	1/2	861.39	1/2	1,330.88	1/2	1,850.08	1/2	2,406.56	1/2	2,989.93	1/2	3,590.96	1/2	4,201.10	1/2	4,812.10
3/4	152.30	3/4	465.56	3/4	870.55	3/4	1,341.22	3/4	1,861.32	3/4	2,418.47	3/4	3,002.29	3/4	3,603.61	3/4	4,213.85	3/4	4,824.78
11	157.50	11	473.13	11	879.71	11	1,351.57	11	1,872.57	11	2,430.37	11	3,014.66	11	3,616.25	11	4,226.60	11	4,837.46
1/4	162.93	1/4	480.85	1/4	888.98	1/4	1,362.00	1/4	1,883.87	1/4	2,442.33	1/4	3,027.06	1/4	3,628.91	1/4	4,239.35	1/4	4,850.13
1/2	168.37	1/2	488.56	1/2	898.25	1/2	1,372.43	1/2	1,895.18	1/2	2,454.28	1/2	3,039.46	1/2	3,641.57	1/2	4,252.10	1/2	4,862.80
3/4	173.81	3/4	496.28	3/4	907.53	3/4	1,382.87	3/4	1,906.49	3/4	2,466.23	3/4	3,051.86	3/4	3,654.23	3/4	4,264.85	3/4	4,875.47

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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# BARGE "CMS 1607"

# PORT HORIZONTAL INNAGE TABLE

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	4,888.13	0	5,490.26	0	6,075.45	0	6,634.55	0	7,157.31	0	7,631.50	0	8,041.21	0	8,362.07	0		0	
1/4	4,900.79	1/4	5,502.64	1/4	6,087.38	1/4	6,645.83	1/4	7,167.70	1/4	7,640.72	1/4	8,048.85	1/4	8,367.44	1/4		1/4	
1/2	4,913.44	1/2	5,515.02	1/2	6,099.31	1/2	6,657.10	1/2	7,178.09	1/2	7,649.93	1/2	8,056.50	1/2	8,372.81	1/2		1/2	
3/4	4,926.09	3/4	5,527.41	3/4	6,111.24	3/4	6,668.38	3/4	7,188.48	3/4	7,659.15	3/4	8,064.14	3/4	8,378.19	3/4		3/4	
1	4,938.75	1	5,539.79	1	6,123.17	1	6,679.65	1	7,198.87	1	7,668.37	1	8,071.78	1	8,383.56	1		1	
1/4	4,951.38	1/4	5,552.14	1/4	6,135.05	1/4	6,690.87	1/4	7,209.17	1/4	7,677.47	1/4	8,079.27	1/4	8,388.68	1/4		1/4	
1/2	4,964.02	1/2	5,564.50	1/2	6,146.93	1/2	6,702.08	1/2	7,219.48	1/2	7,686.57	1/2	8,086.76	1/2	8,393.81	1/2		1/2	
3/4	4,976.66	3/4	5,576.85	3/4	6,158.82	3/4	6,713.29	3/4	7,229.78	3/4	7,695.67	3/4	8,094.25	3/4	8,398.94	3/4		3/4	
2	4,989.30	2	5,589.20	2	6,170.70	2	6,724.50	2	7,240.08	2	7,704.78	2	8,101.73	2	8,404.06	2		2	
1/4	5,001.92	1/4	5,601.52	1/4	6,182.54	1/4	6,735.65	1/4	7,250.30	1/4	7,713.76	1/4	8,109.06	1/4	8,408.93	1/4		1/4	
1/2	5,014.54	1/2	5,613.84	1/2	6,194.37	1/2	6,746.79	1/2	7,260.52	1/2	7,722.75	1/2	8,116.39	1/2	8,413.79	1/2		1/2	
3/4	5,027.16	3/4	5,626.16	3/4	6,206.21	3/4	6,757.94	3/4	7,270.73	3/4	7,731.73	3/4	8,123.71	3/4	8,418.66	3/4		3/4	
3	5,039.78	3	5,638.49	3	6,218.04	3	6,769.08	3	7,280.95	3	7,740.72	3	8,131.04	3	8,423.53	3		3	
1/4	5,052.38	1/4	5,650.77	1/4	6,229.83	1/4	6,780.16	1/4	7,291.08	1/4	7,749.59	1/4	8,138.20	1/4	8,428.12	1/4		1/4	
1/2	5,064.98	1/2	5,663.06	1/2	6,241.62	1/2	6,791.24	1/2	7,301.20	1/2	7,758.45	1/2	8,145.36	1/2	8,432.71	1/2		1/2	
3/4	5,077.59	3/4	5,675.35	3/4	6,253.40	3/4	6,802.32	3/4	7,311.33	3/4	7,767.32	3/4	8,152.52	3/4	8,437.30	3/4		3/4	
4	5,090.19	4	5,687.64	4	6,265.19	4	6,813.39	4	7,321.45	4	7,776.19	4	8,159.69	4	8,441.89	4		4	
1/4	5,102.77	1/4	5,699.89	1/4	6,276.93	1/4	6,824.40	1/4	7,331.49	1/4	7,784.93	1/4	8,166.68	1/4	8,446.19	1/4		1/4	
1/2	5,115.35	1/2	5,712.14	1/2	6,288.66	1/2	6,835.41	1/2	7,341.52	1/2	7,793.68	1/2	8,173.67	1/2	8,450.48	1/2		1/2	
3/4	5,127.94	3/4	5,724.40	3/4	6,300.40	3/4	6,846.42	3/4	7,351.56	3/4	7,802.42	3/4	8,180.66	3/4	8,454.78	3/4		3/4	
5	5,140.52	5	5,736.65	5	6,312.13	5	6,857.43	5	7,361.59	5	7,811.17	5	8,187.65	5	8,459.08	5		5	
1/4	5,153.08	1/4	5,748.87	1/4	6,323.82	1/4	6,868.36	1/4	7,371.53	1/4	7,819.79	1/4	8,194.46	1/4	8,463.06	1/4		1/4	
1/2	5,165.65	1/2	5,761.09	1/2	6,335.50	1/2	6,879.30	1/2	7,381.47	1/2	7,828.41	1/2	8,201.28	1/2	8,467.03	1/2		1/2	
3/4	5,178.21	3/4	5,773.30	3/4	6,347.18	3/4	6,890.24	3/4	7,391.41	3/4	7,837.02	3/4	8,208.09	3/4	8,471.01	3/4		3/4	
6	5,190.77	6	5,785.52	6	6,358.87	6	6,901.18	6	7,401.35	6	7,845.64	6	8,214.90	6	8,474.99	6		6	
1/4	5,203.31	1/4	5,797.70	1/4	6,370.50	1/4	6,912.04	1/4	7,411.20	1/4	7,854.13	1/4	8,221.54	1/4	8,478.62	1/4		1/4	
1/2	5,215.85	1/2	5,809.88	1/2	6,382.13	1/2	6,922.91	1/2	7,421.04	1/2	7,862.62	1/2	8,228.17	1/2	8,482.26	1/2		1/2	
3/4	5,228.39	3/4	5,822.06	3/4	6,393.76	3/4	6,933.77	3/4	7,430.88	3/4	7,871.12	3/4	8,234.80	3/4	8,485.89	3/4		3/4	
7	5,240.93	7	5,834.24	7	6,405.38	7	6,944.64	7	7,440.73	7	7,879.61	7	8,241.43	7	8,489.52	7		7	
1/4	5,253.45	1/4	5,846.38	1/4	6,416.96	1/4	6,955.43	1/4	7,450.47	1/4	7,887.96	1/4	8,247.87	1/4	8,492.77	1/4		1/4	
1/2	5,265.97	1/2	5,858.53	1/2	6,428.53	1/2	6,966.22	1/2	7,460.22	1/2	7,896.32	1/2	8,254.31	1/2	8,496.02	1/2		1/2	
3/4	5,278.48	3/4	5,870.67	3/4	6,440.11	3/4	6,977.01	3/4	7,469.96	3/4	7,904.68	3/4	8,260.76	3/4	8,499.26	3/4		3/4	
8	5,291.00	8	5,882.81	8	6,451.68	8	6,987.80	8	7,479.71	8	7,913.04	8	8,267.20	8	8,502.51	8		8	
1/4	5,303.49	1/4	5,894.91	1/4	6,463.20	1/4	6,998.51	1/4	7,489.35	1/4	7,921.26	1/4	8,273.44	1/4	8,505.32	1/4		1/4	
1/2	5,315.99	1/2	5,907.02	1/2	6,474.72	1/2	7,009.22	1/2	7,499.00	1/2	7,929.49	1/2	8,279.69	1/2	8,508.13	1/2		1/2	
3/4	5,328.48	3/4	5,919.12	3/4	6,486.24	3/4	7,019.94	3/4	7,508.64	3/4	7,937.71	3/4	8,285.93	3/4	8,510.94	3/4		3/4	
9	5,340.97	9	5,931.22	9	6,497.76	9	7,030.65	9	7,518.29	9	7,945.93	9	8,292.18	9	8,513.75	9		9	
1/4	5,353.44	1/4	5,943.28	1/4	6,509.21	1/4	7,041.29	1/4	7,527.83	1/4	7,954.02	1/4	8,298.22	1/4	8,516.04	1/4		1/4	
1/2	5,365.91	1/2	5,955.34	1/2	6,520.67	1/2	7,051.92	1/2	7,537.37	1/2	7,962.10	1/2	8,304.26	1/2	8,518.32	1/2		1/2	
3/4	5,378.38	3/4	5,967.41	3/4	6,532.13	3/4	7,062.56	3/4	7,546.91	3/4	7,970.19	3/4	8,310.30	3/4	8,520.61	3/4		3/4	
10	5,390.84	10	5,979.47	10	6,543.59	10	7,073.19	10	7,556.45	10	7,978.27	10	8,316.34	10	8,522.90	10		10	
1/4	5,403.28	1/4	5,991.49	1/4	6,554.99	1/4	7,083.75	1/4	7,565.89	1/4	7,986.21	1/4	8,322.17	1/4	8,524.50	1/4		1/4	
1/2	5,415.73	1/2	6,003.51	1/2	6,566.39	1/2	7,094.30	1/2	7,575.32	1/2	7,994.15	1/2	8,328.00	1/2	8,526.10	1/2		1/2	
3/4	5,428.17	3/4	6,015.52	3/4	6,577.79	3/4	7,104.86	3/4	7,584.76	3/4	8,002.09	3/4	8,333.82	3/4	8,527.70	3/4		3/4	
11	5,440.61	11	6,027.54	11	6,589.19	11	7,115.41	11	7,594.19	11	8,010.03	11	8,339.65	11	8,529.30	11		11	
1/4	5,453.02	1/4	6,039.52	1/4	6,600.53	1/4	7,125.89	1/4	7,603.52	1/4	8,017.83	1/4	8,345.26	1/4	8,530.06	1/4		1/4	
1/2	5,465.43	1/2	6,051.49	1/2	6,611.87	1/2	7,136.36	1/2	7,612.85	1/2	8,025.62	1/2	8,350.86	1/2	8,530.82	1/2		1/2	
3/4	5,477.84	3/4	6,063.47	3/4	6,623.21	3/4	7,146.84	3/4	7,622.17	3/4	8,033.42	3/4	8,356.47	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2014 CL - SW  
CALCULATED: 08/02/2014 CL  
PRINTED: 08/02/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2014

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "CMS 1607"

## STBD HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0.12	0	179.33	0	504.26	0	917.29	0	1,394.08	0	1,918.91	0	2,479.66	0	3,066.12	0	3,669.16	0	4,280.27
1/4	1.20	1/4	185.00	1/4	512.13	1/4	926.68	1/4	1,404.60	1/4	1,930.29	1/4	2,491.67	1/4	3,078.55	1/4	3,681.84	1/4	4,293.03
1/2	2.28	1/2	190.67	1/2	520.01	1/2	936.07	1/2	1,415.13	1/2	1,941.67	1/2	2,503.67	1/2	3,090.99	1/2	3,694.52	1/2	4,305.79
3/4	3.36	3/4	196.34	3/4	527.88	3/4	945.46	3/4	1,425.65	3/4	1,953.04	3/4	2,515.68	3/4	3,103.42	3/4	3,707.21	3/4	4,318.54
1	4.43	1	202.01	1	535.75	1	954.84	1	1,436.17	1	1,964.42	1	2,527.68	1	3,115.86	1	3,719.89	1	4,331.30
1/4	6.41	1/4	207.89	1/4	543.77	1/4	964.34	1/4	1,446.77	1/4	1,975.86	1/4	2,539.73	1/4	3,128.32	1/4	3,732.59	1/4	4,344.06
1/2	8.39	1/2	213.78	1/2	551.79	1/2	973.83	1/2	1,457.37	1/2	1,987.30	1/2	2,551.78	1/2	3,140.78	1/2	3,745.28	1/2	4,356.82
3/4	10.36	3/4	219.67	3/4	559.80	3/4	983.33	3/4	1,467.98	3/4	1,998.73	3/4	2,563.83	3/4	3,153.25	3/4	3,757.98	3/4	4,369.57
2	12.34	2	225.55	2	567.82	2	992.82	2	1,478.58	2	2,010.17	2	2,575.88	2	3,165.71	2	3,770.67	2	4,382.33
1/4	14.90	1/4	231.67	1/4	575.98	1/4	1,002.42	1/4	1,489.26	1/4	2,021.67	1/4	2,587.97	1/4	3,178.20	1/4	3,783.38	1/4	4,395.08
1/2	17.47	1/2	237.80	1/2	584.14	1/2	1,012.02	1/2	1,499.94	1/2	2,033.16	1/2	2,600.06	1/2	3,190.69	1/2	3,796.09	1/2	4,407.84
3/4	20.03	3/4	243.92	3/4	592.30	3/4	1,021.62	3/4	1,510.62	3/4	2,044.66	3/4	2,612.15	3/4	3,203.17	3/4	3,808.80	3/4	4,420.59
3	22.59	3	250.04	3	600.46	3	1,031.22	3	1,521.30	3	2,056.16	3	2,624.24	3	3,215.66	3	3,821.50	3	4,433.34
1/4	25.63	1/4	256.39	1/4	608.75	1/4	1,040.92	1/4	1,532.06	1/4	2,067.71	1/4	2,636.37	1/4	3,228.18	1/4	3,834.22	1/4	4,446.09
1/2	28.67	1/2	262.73	1/2	617.05	1/2	1,050.62	1/2	1,542.82	1/2	2,079.26	1/2	2,648.50	1/2	3,240.69	1/2	3,846.94	1/2	4,458.84
3/4	31.71	3/4	269.08	3/4	625.35	3/4	1,060.32	3/4	1,553.58	3/4	2,090.82	3/4	2,660.63	3/4	3,253.20	3/4	3,859.66	3/4	4,471.59
4	34.74	4	275.43	4	633.64	4	1,070.02	4	1,564.34	4	2,102.37	4	2,672.76	4	3,265.72	4	3,872.38	4	4,484.34
1/4	38.19	1/4	281.97	1/4	642.07	1/4	1,079.82	1/4	1,575.17	1/4	2,113.98	1/4	2,684.93	1/4	3,278.25	1/4	3,885.10	1/4	4,497.09
1/2	41.64	1/2	288.51	1/2	650.50	1/2	1,089.62	1/2	1,586.01	1/2	2,125.59	1/2	2,697.10	1/2	3,290.79	1/2	3,897.83	1/2	4,509.83
3/4	45.08	3/4	295.05	3/4	658.93	3/4	1,099.42	3/4	1,596.84	3/4	2,137.20	3/4	2,709.27	3/4	3,303.33	3/4	3,910.56	3/4	4,522.58
5	48.53	5	301.59	5	667.36	5	1,109.22	5	1,607.68	5	2,148.81	5	2,721.44	5	3,315.87	5	3,923.28	5	4,535.32
1/4	52.34	1/4	308.32	1/4	675.92	1/4	1,119.12	1/4	1,618.58	1/4	2,160.48	1/4	2,733.64	1/4	3,328.43	1/4	3,936.02	1/4	4,548.06
1/2	56.15	1/2	315.05	1/2	684.48	1/2	1,129.02	1/2	1,629.49	1/2	2,172.14	1/2	2,745.85	1/2	3,340.99	1/2	3,948.75	1/2	4,560.80
3/4	59.96	3/4	321.77	3/4	693.04	3/4	1,138.92	3/4	1,640.40	3/4	2,183.80	3/4	2,758.06	3/4	3,353.55	3/4	3,961.49	3/4	4,573.54
6	63.78	6	328.50	6	701.60	6	1,148.82	6	1,651.31	6	2,195.47	6	2,770.27	6	3,366.11	6	3,974.22	6	4,586.28
1/4	67.92	1/4	335.41	1/4	710.29	1/4	1,158.81	1/4	1,662.29	1/4	2,207.19	1/4	2,782.51	1/4	3,378.69	1/4	3,986.97	1/4	4,599.01
1/2	72.06	1/2	342.31	1/2	718.98	1/2	1,168.80	1/2	1,673.27	1/2	2,218.90	1/2	2,794.75	1/2	3,391.27	1/2	3,999.71	1/2	4,611.74
3/4	76.20	3/4	349.22	3/4	727.66	3/4	1,178.80	3/4	1,684.25	3/4	2,230.62	3/4	2,807.00	3/4	3,403.85	3/4	4,012.45	3/4	4,624.47
7	80.35	7	356.13	7	736.35	7	1,188.79	7	1,695.23	7	2,242.34	7	2,819.24	7	3,416.43	7	4,025.19	7	4,637.20
1/4	84.80	1/4	363.21	1/4	745.16	1/4	1,198.88	1/4	1,706.28	1/4	2,254.11	1/4	2,831.52	1/4	3,429.03	1/4	4,037.94	1/4	4,649.92
1/2	89.24	1/2	370.29	1/2	753.97	1/2	1,208.96	1/2	1,717.33	1/2	2,265.88	1/2	2,843.80	1/2	3,441.63	1/2	4,050.69	1/2	4,662.65
3/4	93.69	3/4	377.37	3/4	762.79	3/4	1,219.05	3/4	1,728.38	3/4	2,277.64	3/4	2,856.08	3/4	3,454.23	3/4	4,063.43	3/4	4,675.37
8	98.14	8	384.45	8	771.60	8	1,229.14	8	1,739.43	8	2,289.41	8	2,868.36	8	3,466.84	8	4,076.18	8	4,688.09
1/4	102.85	1/4	391.70	1/4	780.53	1/4	1,239.32	1/4	1,750.55	1/4	2,301.23	1/4	2,880.67	1/4	3,479.46	1/4	4,088.93	1/4	4,700.80
1/2	107.56	1/2	398.94	1/2	789.46	1/2	1,249.49	1/2	1,761.67	1/2	2,313.05	1/2	2,892.98	1/2	3,492.08	1/2	4,101.69	1/2	4,713.52
3/4	112.26	3/4	406.19	3/4	798.39	3/4	1,259.67	3/4	1,772.79	3/4	2,324.87	3/4	2,905.29	3/4	3,504.70	3/4	4,114.44	3/4	4,726.23
9	116.97	9	413.44	9	807.32	9	1,269.85	9	1,783.91	9	2,336.69	9	2,917.61	9	3,517.32	9	4,127.19	9	4,738.94
1/4	121.92	1/4	420.85	1/4	816.37	1/4	1,280.12	1/4	1,795.09	1/4	2,348.56	1/4	2,929.95	1/4	3,529.95	1/4	4,139.94	1/4	4,751.64
1/2	126.87	1/2	428.27	1/2	825.42	1/2	1,290.38	1/2	1,806.28	1/2	2,360.42	1/2	2,942.30	1/2	3,542.59	1/2	4,152.70	1/2	4,764.35
3/4	131.82	3/4	435.68	3/4	834.47	3/4	1,300.65	3/4	1,817.46	3/4	2,372.29	3/4	2,954.64	3/4	3,555.23	3/4	4,165.45	3/4	4,777.05
10	136.77	10	443.09	10	843.52	10	1,310.92	10	1,828.65	10	2,384.16	10	2,966.99	10	3,567.87	10	4,178.21	10	4,789.75
1/4	141.97	1/4	450.66	1/4	852.69	1/4	1,321.27	1/4	1,839.90	1/4	2,396.07	1/4	2,979.36	1/4	3,580.52	1/4	4,190.97	1/4	4,802.44
1/2	147.17	1/2	458.23	1/2	861.85	1/2	1,331.62	1/2	1,851.15	1/2	2,407.99	1/2	2,991.74	1/2	3,593.17	1/2	4,203.72	1/2	4,815.13
3/4	152.37	3/4	465.80	3/4	871.02	3/4	1,341.98	3/4	1,862.40	3/4	2,419.90	3/4	3,004.12	3/4	3,605.83	3/4	4,216.48	3/4	4,827.82
11	157.57	11	473.37	11	880.19	11	1,352.33	11	1,873.65	11	2,431.82	11	3,016.49	11	3,618.48	11	4,229.24	11	4,840.51
1/4	163.01	1/4	481.09	1/4	889.46	1/4	1,362.77	1/4	1,884.97	1/4	2,443.78	1/4	3,028.90	1/4	3,631.15	1/4	4,242.00	1/4	4,853.18
1/2	168.45	1/2	488.81	1/2	898.74	1/2	1,373.21	1/2	1,896.28	1/2	2,455.74	1/2	3,041.30	1/2	3,643.82	1/2	4,254.76	1/2	4,865.86
3/4	173.89	3/4	496.54	3/4	908.02	3/4	1,383.65	3/4	1,907.60	3/4	2,467.70	3/4	3,053.71	3/4	3,656.49	3/4	4,267.51	3/4	4,878.54

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
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# BARGE "CMS 1607"

## STBD HORIZONTAL INNAGE TABLE

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	4,891.21	0	5,493.74	0	6,079.31	0	6,638.77	0	7,161.86	0	7,636.34	0	8,046.29	0	8,367.32	0		0	
1/4	4,903.88	1/4	5,506.13	1/4	6,091.25	1/4	6,650.06	1/4	7,172.26	1/4	7,645.56	1/4	8,053.93	1/4	8,372.69	1/4		1/4	
1/2	4,916.54	1/2	5,518.52	1/2	6,103.18	1/2	6,661.34	1/2	7,182.65	1/2	7,654.79	1/2	8,061.58	1/2	8,378.07	1/2		1/2	
3/4	4,929.20	3/4	5,530.91	3/4	6,115.12	3/4	6,672.62	3/4	7,193.05	3/4	7,664.01	3/4	8,069.23	3/4	8,383.44	3/4		3/4	
1	4,941.86	1	5,543.30	1	6,127.06	1	6,683.91	1	7,203.45	1	7,673.23	1	8,076.88	1	8,388.82	1		1	
1/4	4,954.51	1/4	5,555.66	1/4	6,138.95	1/4	6,695.13	1/4	7,213.76	1/4	7,682.34	1/4	8,084.37	1/4	8,393.94	1/4		1/4	
1/2	4,967.15	1/2	5,568.02	1/2	6,150.84	1/2	6,706.34	1/2	7,224.07	1/2	7,691.44	1/2	8,091.86	1/2	8,399.07	1/2		1/2	
3/4	4,979.80	3/4	5,580.39	3/4	6,162.73	3/4	6,717.56	3/4	7,234.38	3/4	7,700.55	3/4	8,099.35	3/4	8,404.20	3/4		3/4	
2	4,992.44	2	5,592.75	2	6,174.63	2	6,728.78	2	7,244.69	2	7,709.66	2	8,106.84	2	8,409.33	2		2	
1/4	5,005.07	1/4	5,605.08	1/4	6,186.47	1/4	6,739.93	1/4	7,254.91	1/4	7,718.65	1/4	8,114.17	1/4	8,414.20	1/4		1/4	
1/2	5,017.70	1/2	5,617.40	1/2	6,198.31	1/2	6,751.09	1/2	7,265.13	1/2	7,727.64	1/2	8,121.50	1/2	8,419.07	1/2		1/2	
3/4	5,030.33	3/4	5,629.73	3/4	6,210.16	3/4	6,762.24	3/4	7,275.36	3/4	7,736.63	3/4	8,128.84	3/4	8,423.94	3/4		3/4	
3	5,042.96	3	5,642.06	3	6,222.00	3	6,773.39	3	7,285.58	3	7,745.63	3	8,136.17	3	8,428.80	3		3	
1/4	5,055.57	1/4	5,654.36	1/4	6,233.79	1/4	6,784.48	1/4	7,295.71	1/4	7,754.50	1/4	8,143.33	1/4	8,433.40	1/4		1/4	
1/2	5,068.18	1/2	5,666.65	1/2	6,245.59	1/2	6,795.56	1/2	7,305.84	1/2	7,763.37	1/2	8,150.50	1/2	8,437.99	1/2		1/2	
3/4	5,080.79	3/4	5,678.95	3/4	6,257.38	3/4	6,806.65	3/4	7,315.98	3/4	7,772.24	3/4	8,157.66	3/4	8,442.58	3/4		3/4	
4	5,093.40	4	5,691.25	4	6,269.18	4	6,817.73	4	7,326.11	4	7,781.11	4	8,164.83	4	8,447.18	4		4	
1/4	5,105.99	1/4	5,703.51	1/4	6,280.92	1/4	6,828.75	1/4	7,336.15	1/4	7,789.86	1/4	8,171.82	1/4	8,451.48	1/4		1/4	
1/2	5,118.59	1/2	5,715.77	1/2	6,292.66	1/2	6,839.76	1/2	7,346.19	1/2	7,798.61	1/2	8,178.82	1/2	8,455.77	1/2		1/2	
3/4	5,131.18	3/4	5,728.03	3/4	6,304.41	3/4	6,850.78	3/4	7,356.23	3/4	7,807.36	3/4	8,185.81	3/4	8,460.07	3/4		3/4	
5	5,143.77	5	5,740.29	5	6,316.15	5	6,861.79	5	7,366.27	5	7,816.11	5	8,192.81	5	8,464.37	5		5	
1/4	5,156.34	1/4	5,752.52	1/4	6,327.84	1/4	6,872.74	1/4	7,376.22	1/4	7,824.74	1/4	8,199.62	1/4	8,468.35	1/4		1/4	
1/2	5,168.91	1/2	5,764.74	1/2	6,339.53	1/2	6,883.68	1/2	7,386.16	1/2	7,833.36	1/2	8,206.44	1/2	8,472.33	1/2		1/2	
3/4	5,181.48	3/4	5,776.97	3/4	6,351.22	3/4	6,894.63	3/4	7,396.11	3/4	7,841.98	3/4	8,213.26	3/4	8,476.31	3/4		3/4	
6	5,194.05	6	5,789.19	6	6,362.91	6	6,905.57	6	7,406.06	6	7,850.61	6	8,220.08	6	8,480.29	6		6	
1/4	5,206.60	1/4	5,801.38	1/4	6,374.55	1/4	6,916.44	1/4	7,415.91	1/4	7,859.10	1/4	8,226.71	1/4	8,483.93	1/4		1/4	
1/2	5,219.15	1/2	5,813.57	1/2	6,386.19	1/2	6,927.31	1/2	7,425.75	1/2	7,867.60	1/2	8,233.35	1/2	8,487.56	1/2		1/2	
3/4	5,231.70	3/4	5,825.76	3/4	6,397.83	3/4	6,938.18	3/4	7,435.60	3/4	7,876.10	3/4	8,239.98	3/4	8,491.20	3/4		3/4	
7	5,244.25	7	5,837.95	7	6,409.46	7	6,949.06	7	7,445.45	7	7,884.59	7	8,246.61	7	8,494.83	7		7	
1/4	5,256.77	1/4	5,850.10	1/4	6,421.04	1/4	6,959.85	1/4	7,455.21	1/4	7,892.95	1/4	8,253.06	1/4	8,498.08	1/4		1/4	
1/2	5,269.30	1/2	5,862.25	1/2	6,432.63	1/2	6,970.65	1/2	7,464.96	1/2	7,901.32	1/2	8,259.51	1/2	8,501.33	1/2		1/2	
3/4	5,281.82	3/4	5,874.40	3/4	6,444.21	3/4	6,981.45	3/4	7,474.71	3/4	7,909.68	3/4	8,265.95	3/4	8,504.58	3/4		3/4	
8	5,294.35	8	5,886.55	8	6,455.79	8	6,992.24	8	7,484.46	8	7,918.04	8	8,272.40	8	8,507.83	8		8	
1/4	5,306.85	1/4	5,898.66	1/4	6,467.32	1/4	7,002.96	1/4	7,494.11	1/4	7,926.27	1/4	8,278.64	1/4	8,510.64	1/4		1/4	
1/2	5,319.35	1/2	5,910.77	1/2	6,478.84	1/2	7,013.68	1/2	7,503.76	1/2	7,934.50	1/2	8,284.89	1/2	8,513.45	1/2		1/2	
3/4	5,331.85	3/4	5,922.88	3/4	6,490.37	3/4	7,024.40	3/4	7,513.41	3/4	7,942.73	3/4	8,291.14	3/4	8,516.26	3/4		3/4	
9	5,344.35	9	5,934.99	9	6,501.89	9	7,035.12	9	7,523.06	9	7,950.96	9	8,297.39	9	8,519.07	9		9	
1/4	5,356.83	1/4	5,947.06	1/4	6,513.36	1/4	7,045.77	1/4	7,532.61	1/4	7,959.05	1/4	8,303.43	1/4	8,521.36	1/4		1/4	
1/2	5,369.31	1/2	5,959.13	1/2	6,524.83	1/2	7,056.41	1/2	7,542.15	1/2	7,967.13	1/2	8,309.48	1/2	8,523.65	1/2		1/2	
3/4	5,381.78	3/4	5,971.20	3/4	6,536.29	3/4	7,067.05	3/4	7,551.70	3/4	7,975.22	3/4	8,315.52	3/4	8,525.93	3/4		3/4	
10	5,394.26	10	5,983.27	10	6,547.76	10	7,077.69	10	7,561.25	10	7,983.31	10	8,321.57	10	8,528.22	10		10	
1/4	5,406.71	1/4	5,995.30	1/4	6,559.17	1/4	7,088.25	1/4	7,570.69	1/4	7,991.26	1/4	8,327.40	1/4	8,529.82	1/4		1/4	
1/2	5,419.16	1/2	6,007.32	1/2	6,570.58	1/2	7,098.82	1/2	7,580.13	1/2	7,999.20	1/2	8,333.23	1/2	8,531.43	1/2		1/2	
3/4	5,431.60	3/4	6,019.35	3/4	6,581.98	3/4	7,109.38	3/4	7,589.57	3/4	8,007.15	3/4	8,339.06	3/4	8,533.03	3/4		3/4	
11	5,444.05	11	6,031.38	11	6,593.39	11	7,119.94	11	7,599.01	11	8,015.09	11	8,344.89	11	8,534.63	11		11	
1/4	5,456.47	1/4	6,043.36	1/4	6,604.74	1/4	7,130.42	1/4	7,608.34	1/4	8,022.89	1/4	8,350.50	1/4	8,535.39	1/4		1/4	
1/2	5,468.89	1/2	6,055.34	1/2	6,616.08	1/2	7,140.90	1/2	7,617.68	1/2	8,030.69	1/2	8,356.10	1/2	8,536.15	1/2		1/2	
3/4	5,481.32	3/4	6,067.33	3/4	6,627.43	3/4	7,151.38	3/4	7,627.01	3/4	8,038.49	3/4	8,361.71	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2014 CL - SW  
CALCULATED: 08/02/2014 CL  
PRINTED: 08/02/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2014

PRECISION MEASUREMENT  
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