



BARGE "KIRBY 16849"

PORT HORIZONTAL

INNAGE TABLE BERGAN GAUGE

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	0.00	0	188.55	0	525.97	0	950.84	0	1,438.08	0	1,971.29	0	2,537.85	0	3,127.14	0	3,729.67	0	4,336.49
1/4	1.14	1/4	194.51	1/4	534.10	1/4	960.46	1/4	1,448.80	1/4	1,982.81	1/4	2,549.94	1/4	3,139.60	1/4	3,742.30	1/4	4,349.11
1/2	2.28	1/2	200.46	1/2	542.22	1/2	970.08	1/2	1,459.52	1/2	1,994.34	1/2	2,562.04	1/2	3,152.06	1/2	3,754.93	1/2	4,361.73
3/4	3.43	3/4	206.42	3/4	550.35	3/4	979.70	3/4	1,470.24	3/4	2,005.86	3/4	2,574.13	3/4	3,164.52	3/4	3,767.56	3/4	4,374.35
1	4.57	1	212.38	1	558.47	1	989.32	1	1,480.95	1	2,017.39	1	2,586.22	1	3,176.97	1	3,780.19	1	4,386.97
1/4	6.66	1/4	218.56	1/4	566.75	1/4	999.05	1/4	1,491.75	1/4	2,028.97	1/4	2,598.36	1/4	3,189.45	1/4	3,792.83	1/4	4,399.59
1/2	8.75	1/2	224.74	1/2	575.02	1/2	1,008.77	1/2	1,502.54	1/2	2,040.55	1/2	2,610.49	1/2	3,201.93	1/2	3,805.47	1/2	4,412.20
3/4	10.84	3/4	230.92	3/4	583.29	3/4	1,018.50	3/4	1,513.34	3/4	2,052.13	3/4	2,622.62	3/4	3,214.41	3/4	3,818.11	3/4	4,424.81
2	12.93	2	237.10	2	591.56	2	1,028.22	2	1,524.13	2	2,063.71	2	2,634.75	2	3,226.89	2	3,831.74	2	4,437.43
1/4	15.63	1/4	243.49	1/4	599.97	1/4	1,038.05	1/4	1,535.00	1/4	2,075.34	1/4	2,646.92	1/4	3,239.39	1/4	3,843.39	1/4	4,450.03
1/2	18.33	1/2	249.89	1/2	608.38	1/2	1,047.88	1/2	1,545.87	1/2	2,086.97	1/2	2,659.09	1/2	3,251.89	1/2	3,856.03	1/2	4,462.63
3/4	21.04	3/4	256.28	3/4	616.79	3/4	1,057.71	3/4	1,556.74	3/4	2,098.61	3/4	2,671.26	3/4	3,264.39	3/4	3,868.67	3/4	4,475.23
3	23.74	3	262.67	3	625.20	3	1,067.53	3	1,567.61	3	2,110.24	3	2,683.42	3	3,276.89	3	3,881.31	3	4,487.84
1/4	26.94	1/4	269.26	1/4	633.75	1/4	1,077.46	1/4	1,578.56	1/4	2,121.93	1/4	2,695.63	1/4	3,289.41	1/4	3,893.96	1/4	4,500.43
1/2	30.13	1/2	275.86	1/2	642.29	1/2	1,087.39	1/2	1,589.50	1/2	2,133.62	1/2	2,707.83	1/2	3,301.93	1/2	3,906.61	1/2	4,513.02
3/4	33.33	3/4	282.45	3/4	650.84	3/4	1,097.31	3/4	1,600.45	3/4	2,145.30	3/4	2,720.04	3/4	3,314.44	3/4	3,919.25	3/4	4,525.61
4	36.53	4	289.05	4	659.39	4	1,107.24	4	1,611.39	4	2,156.99	4	2,732.24	4	3,326.96	4	3,931.90	4	4,538.20
1/4	40.15	1/4	295.84	1/4	668.07	1/4	1,117.27	1/4	1,622.40	1/4	2,168.73	1/4	2,744.48	1/4	3,339.50	1/4	3,944.55	1/4	4,550.78
1/2	43.78	1/2	302.63	1/2	676.75	1/2	1,127.29	1/2	1,633.42	1/2	2,180.47	1/2	2,756.71	1/2	3,352.04	1/2	3,957.19	1/2	4,563.36
3/4	47.40	3/4	309.42	3/4	685.43	3/4	1,137.31	3/4	1,644.44	3/4	2,192.21	3/4	2,768.95	3/4	3,364.57	3/4	3,969.84	3/4	4,575.93
5	51.02	5	316.21	5	694.11	5	1,147.34	5	1,655.45	5	2,203.94	5	2,781.19	5	3,377.11	5	3,982.49	5	4,588.51
1/4	55.02	1/4	323.19	1/4	702.92	1/4	1,157.45	1/4	1,666.54	1/4	2,215.73	1/4	2,793.46	1/4	3,389.66	1/4	3,995.14	1/4	4,601.08
1/2	59.02	1/2	330.16	1/2	711.72	1/2	1,167.57	1/2	1,677.62	1/2	2,227.52	1/2	2,805.73	1/2	3,402.21	1/2	4,007.79	1/2	4,613.64
3/4	63.02	3/4	337.14	3/4	720.53	3/4	1,177.69	3/4	1,688.71	3/4	2,239.31	3/4	2,818.00	3/4	3,414.77	3/4	4,020.44	3/4	4,626.20
6	67.02	6	344.12	6	729.34	6	1,187.81	6	1,699.79	6	2,251.10	6	2,830.27	6	3,427.32	6	4,033.09	6	4,638.77
1/4	71.37	1/4	351.28	1/4	738.28	1/4	1,198.02	1/4	1,710.94	1/4	2,262.93	1/4	2,842.57	1/4	3,439.89	1/4	4,045.74	1/4	4,651.32
1/2	75.71	1/2	358.44	1/2	747.21	1/2	1,208.23	1/2	1,722.10	1/2	2,274.77	1/2	2,854.87	1/2	3,452.45	1/2	4,058.39	1/2	4,663.87
3/4	80.05	3/4	365.60	3/4	756.14	3/4	1,218.44	3/4	1,733.25	3/4	2,286.61	3/4	2,867.17	3/4	3,465.02	3/4	4,071.04	3/4	4,676.41
7	84.39	7	372.76	7	765.08	7	1,228.65	7	1,744.40	7	2,298.44	7	2,879.47	7	3,477.59	7	4,083.69	7	4,688.96
1/4	89.05	1/4	380.09	1/4	774.13	1/4	1,238.95	1/4	1,755.62	1/4	2,310.32	1/4	2,891.80	1/4	3,490.17	1/4	4,096.33	1/4	4,701.49
1/2	93.71	1/2	387.42	1/2	783.19	1/2	1,249.25	1/2	1,766.84	1/2	2,322.21	1/2	2,904.13	1/2	3,502.75	1/2	4,108.98	1/2	4,714.03
3/4	98.36	3/4	394.76	3/4	792.25	3/4	1,259.55	3/4	1,778.06	3/4	2,334.09	3/4	2,916.46	3/4	3,515.33	3/4	4,121.63	3/4	4,726.56
8	103.02	8	402.09	8	801.30	8	1,269.85	8	1,789.28	8	2,345.97	8	2,928.79	8	3,527.92	8	4,134.28	8	4,739.09
1/4	107.97	1/4	409.59	1/4	810.48	1/4	1,280.24	1/4	1,800.56	1/4	2,357.90	1/4	2,941.15	1/4	3,540.51	1/4	4,146.92	1/4	4,751.60
1/2	112.92	1/2	417.10	1/2	819.65	1/2	1,290.63	1/2	1,811.85	1/2	2,369.83	1/2	2,953.50	1/2	3,553.10	1/2	4,159.57	1/2	4,764.12
3/4	117.87	3/4	424.60	3/4	828.83	3/4	1,301.02	3/4	1,823.13	3/4	2,381.76	3/4	2,965.86	3/4	3,565.70	3/4	4,172.21	3/4	4,776.63
9	122.82	9	432.10	9	838.00	9	1,311.41	9	1,834.41	9	2,393.69	9	2,978.22	9	3,578.29	9	4,184.86	9	4,789.15
1/4	128.04	1/4	439.77	1/4	847.29	1/4	1,321.88	1/4	1,845.76	1/4	2,405.66	1/4	2,990.61	1/4	3,590.90	1/4	4,197.50	1/4	4,801.64
1/2	133.27	1/2	447.43	1/2	856.58	1/2	1,332.35	1/2	1,857.10	1/2	2,417.63	1/2	3,002.99	1/2	3,603.50	1/2	4,210.14	1/2	4,814.14
3/4	138.49	3/4	455.10	3/4	865.88	3/4	1,342.83	3/4	1,868.45	3/4	2,429.60	3/4	3,015.38	3/4	3,616.11	3/4	4,222.78	3/4	4,826.63
10	143.72	10	462.76	10	875.17	10	1,353.30	10	1,879.80	10	2,441.57	10	3,027.76	10	3,628.71	10	4,235.42	10	4,839.12
1/4	149.20	1/4	470.59	1/4	884.57	1/4	1,363.86	1/4	1,891.20	1/4	2,453.59	1/4	3,040.17	1/4	3,641.33	1/4	4,248.06	1/4	4,851.60
1/2	154.68	1/2	478.41	1/2	893.97	1/2	1,374.42	1/2	1,902.61	1/2	2,465.60	1/2	3,052.58	1/2	3,653.94	1/2	4,260.70	1/2	4,864.07
3/4	160.16	3/4	486.24	3/4	903.38	3/4	1,384.97	3/4	1,914.02	3/4	2,477.61	3/4	3,064.99	3/4	3,666.56	3/4	4,273.33	3/4	4,876.55
11	165.64	11	494.06	11	912.78	11	1,395.53	11	1,925.42	11	2,489.63	11	3,077.40	11	3,679.17	11	4,285.97	11	4,889.02
1/4	171.37	1/4	502.04	1/4	922.30	1/4	1,406.17	1/4	1,936.89	1/4	2,501.68	1/4	3,089.84	1/4	3,691.80	1/4	4,298.60	1/4	4,901.47
1/2	177.10	1/2	510.01	1/2	931.81	1/2	1,416.81	1/2	1,948.36	1/2	2,513.74	1/2	3,102.27	1/2	3,704.42	1/2	4,311.23	1/2	4,913.93
3/4	182.82	3/4	517.99	3/4	941.32	3/4	1,427.44	3/4	1,959.82	3/4	2,525.79	3/4	3,114.71	3/4	3,717.04	3/4	4,323.86	3/4	4,926.38

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "KIRBY 16849"

PORT HORIZONTAL INNAGE TABLE BERGAN GAUGE

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	4,938.83	0	5,527.75	0	6,093.73	0	6,626.11	0	7,112.25	0	7,535.59	0	7,870.80	0		0		0	
1/4	4,951.26	1/4	5,539.80	1/4	6,105.18	1/4	6,636.73	1/4	7,121.73	1/4	7,543.53	1/4	7,876.46	1/4		1/4		1/4	
1/2	4,963.69	1/2	5,551.84	1/2	6,116.63	1/2	6,647.35	1/2	7,131.22	1/2	7,551.47	1/2	7,882.13	1/2		1/2		1/2	
3/4	4,976.12	3/4	5,563.88	3/4	6,128.08	3/4	6,657.97	3/4	7,140.71	3/4	7,559.41	3/4	7,887.79	3/4		3/4		3/4	
1	4,988.55	1	5,575.93	1	6,139.53	1	6,668.59	1	7,150.19	1	7,567.35	1	7,893.46	1		1		1	
1/4	5,000.95	1/4	5,587.93	1/4	6,150.92	1/4	6,679.12	1/4	7,159.57	1/4	7,575.14	1/4	7,898.88	1/4		1/4		1/4	
1/2	5,013.35	1/2	5,599.94	1/2	6,162.32	1/2	6,689.66	1/2	7,168.94	1/2	7,582.92	1/2	7,904.30	1/2		1/2		1/2	
3/4	5,025.76	3/4	5,611.94	3/4	6,173.71	3/4	6,700.20	3/4	7,178.32	3/4	7,590.71	3/4	7,909.72	3/4		3/4		3/4	
2	5,038.16	2	5,623.94	2	6,185.10	2	6,710.73	2	7,187.70	2	7,598.49	2	7,915.14	2		2		2	
1/4	5,050.54	1/4	5,635.90	1/4	6,196.43	1/4	6,721.18	1/4	7,196.96	1/4	7,606.12	1/4	7,920.29	1/4		1/4		1/4	
1/2	5,062.92	1/2	5,647.87	1/2	6,207.76	1/2	6,731.64	1/2	7,206.22	1/2	7,613.74	1/2	7,925.45	1/2		1/2		1/2	
3/4	5,075.30	3/4	5,659.83	3/4	6,219.09	3/4	6,742.09	3/4	7,215.48	3/4	7,621.37	3/4	7,930.61	3/4		3/4		3/4	
3	5,087.68	3	5,671.79	3	6,230.42	3	6,752.54	3	7,224.74	3	7,628.99	3	7,935.76	3		3		3	
1/4	5,100.03	1/4	5,683.70	1/4	6,241.69	1/4	6,762.91	1/4	7,233.89	1/4	7,636.45	1/4	7,940.64	1/4		1/4		1/4	
1/2	5,112.38	1/2	5,695.62	1/2	6,252.96	1/2	6,773.28	1/2	7,243.04	1/2	7,643.91	1/2	7,945.52	1/2		1/2		1/2	
3/4	5,124.73	3/4	5,707.54	3/4	6,264.23	3/4	6,783.64	3/4	7,252.18	3/4	7,651.37	3/4	7,950.40	3/4		3/4		3/4	
4	5,137.08	4	5,719.45	4	6,275.49	4	6,794.01	4	7,261.33	4	7,658.84	4	7,955.28	4		4		4	
1/4	5,149.40	1/4	5,731.33	1/4	6,286.70	1/4	6,804.29	1/4	7,270.35	1/4	7,666.13	1/4	7,959.86	1/4		1/4		1/4	
1/2	5,161.73	1/2	5,743.20	1/2	6,297.90	1/2	6,814.56	1/2	7,279.38	1/2	7,673.42	1/2	7,964.44	1/2		1/2		1/2	
3/4	5,174.05	3/4	5,755.07	3/4	6,309.10	3/4	6,824.84	3/4	7,288.41	3/4	7,680.71	3/4	7,969.02	3/4		3/4		3/4	
5	5,186.37	5	5,766.94	5	6,320.30	5	6,835.12	5	7,297.43	5	7,688.00	5	7,973.60	5		5		5	
1/4	5,198.67	1/4	5,778.76	1/4	6,331.44	1/4	6,845.31	1/4	7,306.33	1/4	7,695.11	1/4	7,977.86	1/4		1/4		1/4	
1/2	5,210.96	1/2	5,790.59	1/2	6,342.58	1/2	6,855.50	1/2	7,315.24	1/2	7,702.23	1/2	7,982.12	1/2		1/2		1/2	
3/4	5,223.25	3/4	5,802.41	3/4	6,353.71	3/4	6,865.68	3/4	7,324.14	3/4	7,709.34	3/4	7,986.38	3/4		3/4		3/4	
6	5,235.54	6	5,814.24	6	6,364.85	6	6,875.87	6	7,333.04	6	7,716.45	6	7,990.64	6		6		6	
1/4	5,247.81	1/4	5,826.01	1/4	6,375.92	1/4	6,885.97	1/4	7,341.82	1/4	7,723.39	1/4	7,994.55	1/4		1/4		1/4	
1/2	5,260.07	1/2	5,837.79	1/2	6,386.98	1/2	6,896.06	1/2	7,350.60	1/2	7,730.32	1/2	7,998.46	1/2		1/2		1/2	
3/4	5,272.33	3/4	5,849.56	3/4	6,398.05	3/4	6,906.16	3/4	7,359.37	3/4	7,737.25	3/4	8,002.37	3/4		3/4		3/4	
7	5,284.59	7	5,861.34	7	6,409.12	7	6,916.25	7	7,368.15	7	7,744.18	7	8,006.28	7		7		7	
1/4	5,296.82	1/4	5,873.07	1/4	6,420.12	1/4	6,926.25	1/4	7,376.80	1/4	7,750.92	1/4	8,009.80	1/4		1/4		1/4	
1/2	5,309.05	1/2	5,884.79	1/2	6,431.11	1/2	6,936.25	1/2	7,385.44	1/2	7,757.66	1/2	8,013.32	1/2		1/2		1/2	
3/4	5,321.28	3/4	5,896.52	3/4	6,442.11	3/4	6,946.25	3/4	7,394.09	3/4	7,764.41	3/4	8,016.84	3/4		3/4		3/4	
8	5,333.51	8	5,908.24	8	6,453.11	8	6,956.25	8	7,402.74	8	7,771.15	8	8,020.36	8		8		8	
1/4	5,345.70	1/4	5,919.92	1/4	6,464.04	1/4	6,966.15	1/4	7,411.25	1/4	7,777.69	1/4	8,023.45	1/4		1/4		1/4	
1/2	5,357.90	1/2	5,931.59	1/2	6,474.96	1/2	6,976.06	1/2	7,419.76	1/2	7,784.24	1/2	8,026.53	1/2		1/2		1/2	
3/4	5,370.09	3/4	5,943.27	3/4	6,485.89	3/4	6,985.96	3/4	7,428.28	3/4	7,790.78	3/4	8,029.61	3/4		3/4		3/4	
9	5,382.29	9	5,954.94	9	6,496.81	9	6,995.86	9	7,436.79	9	7,797.33	9	8,032.69	9		9		9	
1/4	5,394.44	1/4	5,966.56	1/4	6,507.66	1/4	7,005.66	1/4	7,445.17	1/4	7,803.67	1/4	8,035.26	1/4		1/4		1/4	
1/2	5,406.60	1/2	5,978.18	1/2	6,518.52	1/2	7,015.46	1/2	7,453.54	1/2	7,810.01	1/2	8,037.82	1/2		1/2		1/2	
3/4	5,418.76	3/4	5,989.80	3/4	6,529.37	3/4	7,025.27	3/4	7,461.92	3/4	7,816.35	3/4	8,040.38	3/4		3/4		3/4	
10	5,430.92	10	6,001.42	10	6,540.22	10	7,035.07	10	7,470.30	10	7,822.69	10	8,042.95	10		10		10	
1/4	5,443.05	1/4	6,012.99	1/4	6,550.99	1/4	7,044.77	1/4	7,478.53	1/4	7,828.81	1/4	8,044.85	1/4		1/4		1/4	
1/2	5,455.17	1/2	6,024.56	1/2	6,561.77	1/2	7,054.47	1/2	7,486.77	1/2	7,834.94	1/2	8,046.75	1/2		1/2		1/2	
3/4	5,467.29	3/4	6,036.12	3/4	6,572.55	3/4	7,064.17	3/4	7,495.00	3/4	7,841.06	3/4	8,048.66	3/4		3/4		3/4	
11	5,479.41	11	6,047.69	11	6,583.32	11	7,073.87	11	7,503.23	11	7,847.19	11	8,050.56	11		11		11	
1/4	5,491.50	1/4	6,059.20	1/4	6,594.02	1/4	7,083.46	1/4	7,511.32	1/4	7,853.09	1/4	8,051.55	1/4		1/4		1/4	
1/2	5,503.58	1/2	6,070.71	1/2	6,604.72	1/2	7,093.06	1/2	7,519.41	1/2	7,858.99	1/2	8,052.54	1/2		1/2		1/2	
3/4	5,515.67	3/4	6,082.22	3/4	6,615.42	3/4	7,102.65	3/4	7,527.50	3/4	7,864.89	3/4	8,053.53	3/4		3/4		3/4	

STRAPPED: 09/28/2023 JS
CALCULATED: 09/28/2023 CL
PRINTED: 09/28/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 16849"

STBD HORIZONTAL INNAGE TABLE BERGAN GAUGE

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	0.00	0	188.50	0	525.84	0	950.59	0	1,437.70	0	1,970.76	0	2,537.16	0	3,126.28	0	3,728.63	0	4,335.28
1/4	1.14	1/4	194.46	1/4	533.96	1/4	960.21	1/4	1,448.42	1/4	1,982.28	1/4	2,549.25	1/4	3,138.74	1/4	3,741.26	1/4	4,347.89
1/2	2.28	1/2	200.42	1/2	542.09	1/2	969.83	1/2	1,459.13	1/2	1,993.80	1/2	2,561.34	1/2	3,151.19	1/2	3,753.89	1/2	4,360.51
3/4	3.43	3/4	206.37	3/4	550.21	3/4	979.45	3/4	1,469.85	3/4	2,005.32	3/4	2,573.43	3/4	3,163.64	3/4	3,766.52	3/4	4,373.13
1	4.57	1	212.33	1	558.33	1	989.06	1	1,480.56	1	2,016.84	1	2,585.52	1	3,176.10	1	3,779.14	1	4,385.75
1/4	6.66	1/4	218.51	1/4	566.60	1/4	998.79	1/4	1,491.35	1/4	2,028.42	1/4	2,597.65	1/4	3,188.57	1/4	3,791.78	1/4	4,398.36
1/2	8.75	1/2	224.69	1/2	574.87	1/2	1,008.51	1/2	1,502.14	1/2	2,040.00	1/2	2,609.78	1/2	3,201.05	1/2	3,804.41	1/2	4,410.97
3/4	10.83	3/4	230.87	3/4	583.14	3/4	1,018.23	3/4	1,512.94	3/4	2,051.57	3/4	2,621.90	3/4	3,213.53	3/4	3,817.05	3/4	4,423.58
2	12.92	2	237.04	2	591.41	2	1,027.96	2	1,523.73	2	2,063.15	2	2,634.03	2	3,226.00	2	3,829.68	2	4,436.19
1/4	15.63	1/4	243.43	1/4	599.82	1/4	1,037.78	1/4	1,534.60	1/4	2,074.78	1/4	2,646.20	1/4	3,238.50	1/4	3,842.32	1/4	4,448.79
1/2	18.33	1/2	249.82	1/2	608.22	1/2	1,047.61	1/2	1,545.46	1/2	2,086.41	1/2	2,658.36	1/2	3,250.99	1/2	3,854.96	1/2	4,461.38
3/4	21.03	3/4	256.21	3/4	616.63	3/4	1,057.43	3/4	1,556.33	3/4	2,098.04	3/4	2,670.53	3/4	3,263.49	3/4	3,867.60	3/4	4,473.98
3	23.73	3	262.60	3	625.04	3	1,067.26	3	1,567.20	3	2,109.67	3	2,682.69	3	3,275.99	3	3,880.24	3	4,486.58
1/4	26.93	1/4	269.20	1/4	633.59	1/4	1,077.18	1/4	1,578.14	1/4	2,121.36	1/4	2,694.89	1/4	3,288.50	1/4	3,892.88	1/4	4,499.17
1/2	30.13	1/2	275.79	1/2	642.13	1/2	1,087.10	1/2	1,589.08	1/2	2,133.04	1/2	2,707.09	1/2	3,301.02	1/2	3,905.52	1/2	4,511.76
3/4	33.32	3/4	282.38	3/4	650.68	3/4	1,097.03	3/4	1,600.02	3/4	2,144.72	3/4	2,719.29	3/4	3,313.53	3/4	3,918.16	3/4	4,524.34
4	36.52	4	288.98	4	659.22	4	1,106.95	4	1,610.96	4	2,156.41	4	2,731.49	4	3,326.05	4	3,930.80	4	4,536.93
1/4	40.14	1/4	295.77	1/4	667.90	1/4	1,116.97	1/4	1,621.97	1/4	2,168.14	1/4	2,743.73	1/4	3,338.58	1/4	3,943.45	1/4	4,549.51
1/2	43.77	1/2	302.55	1/2	676.58	1/2	1,126.99	1/2	1,632.98	1/2	2,179.88	1/2	2,755.96	1/2	3,351.11	1/2	3,956.09	1/2	4,562.08
3/4	47.39	3/4	309.34	3/4	685.25	3/4	1,137.02	3/4	1,644.00	3/4	2,191.61	3/4	2,768.19	3/4	3,363.64	3/4	3,968.74	3/4	4,574.66
5	51.01	5	316.13	5	693.93	5	1,147.04	5	1,655.01	5	2,203.35	5	2,780.43	5	3,376.18	5	3,981.38	5	4,587.23
1/4	55.01	1/4	323.11	1/4	702.74	1/4	1,157.15	1/4	1,666.09	1/4	2,215.13	1/4	2,792.69	1/4	3,388.72	1/4	3,994.03	1/4	4,599.79
1/2	59.01	1/2	330.08	1/2	711.54	1/2	1,167.27	1/2	1,677.17	1/2	2,226.92	1/2	2,804.96	1/2	3,401.27	1/2	4,006.68	1/2	4,612.35
3/4	63.01	3/4	337.06	3/4	720.35	3/4	1,177.38	3/4	1,688.25	3/4	2,238.70	3/4	2,817.22	3/4	3,413.82	3/4	4,019.32	3/4	4,624.91
6	67.01	6	344.04	6	729.15	6	1,187.50	6	1,699.34	6	2,250.49	6	2,829.49	6	3,426.37	6	4,031.97	6	4,637.47
1/4	71.35	1/4	351.19	1/4	738.09	1/4	1,197.71	1/4	1,710.49	1/4	2,262.32	1/4	2,841.79	1/4	3,438.94	1/4	4,044.61	1/4	4,650.02
1/2	75.69	1/2	358.35	1/2	747.02	1/2	1,207.91	1/2	1,721.64	1/2	2,274.15	1/2	2,854.08	1/2	3,451.50	1/2	4,057.26	1/2	4,662.56
3/4	80.03	3/4	365.51	3/4	755.95	3/4	1,218.12	3/4	1,732.79	3/4	2,285.99	3/4	2,866.38	3/4	3,464.06	3/4	4,069.90	3/4	4,675.11
7	84.37	7	372.66	7	764.88	7	1,228.33	7	1,743.94	7	2,297.82	7	2,878.68	7	3,476.63	7	4,082.55	7	4,687.65
1/4	89.03	1/4	380.00	1/4	773.93	1/4	1,238.63	1/4	1,755.15	1/4	2,309.70	1/4	2,891.00	1/4	3,489.21	1/4	4,095.19	1/4	4,700.18
1/2	93.69	1/2	387.33	1/2	782.99	1/2	1,248.92	1/2	1,766.37	1/2	2,321.58	1/2	2,903.33	1/2	3,501.78	1/2	4,107.84	1/2	4,712.71
3/4	98.34	3/4	394.66	3/4	792.04	3/4	1,259.22	3/4	1,777.58	3/4	2,333.46	3/4	2,915.66	3/4	3,514.36	3/4	4,120.48	3/4	4,725.24
8	103.00	8	401.99	8	801.10	8	1,269.52	8	1,788.80	8	2,345.34	8	2,927.98	8	3,526.94	8	4,133.13	8	4,737.76
1/4	107.95	1/4	409.49	1/4	810.27	1/4	1,279.91	1/4	1,800.08	1/4	2,357.26	1/4	2,940.34	1/4	3,539.53	1/4	4,145.77	1/4	4,750.27
1/2	112.89	1/2	416.99	1/2	819.44	1/2	1,290.29	1/2	1,811.36	1/2	2,369.19	1/2	2,952.69	1/2	3,552.12	1/2	4,158.41	1/2	4,762.79
3/4	117.84	3/4	424.49	3/4	828.61	3/4	1,300.68	3/4	1,822.64	3/4	2,381.11	3/4	2,965.05	3/4	3,564.71	3/4	4,171.05	3/4	4,775.30
9	122.79	9	431.99	9	837.79	9	1,311.06	9	1,833.92	9	2,393.04	9	2,977.40	9	3,577.30	9	4,183.69	9	4,787.81
1/4	128.01	1/4	439.66	1/4	847.07	1/4	1,321.53	1/4	1,845.26	1/4	2,405.00	1/4	2,989.78	1/4	3,589.90	1/4	4,196.33	1/4	4,800.30
1/2	133.24	1/2	447.32	1/2	856.36	1/2	1,332.00	1/2	1,856.61	1/2	2,416.97	1/2	3,002.16	1/2	3,602.50	1/2	4,208.97	1/2	4,812.79
3/4	138.46	3/4	454.98	3/4	865.65	3/4	1,342.47	3/4	1,867.95	3/4	2,428.94	3/4	3,014.55	3/4	3,615.11	3/4	4,221.61	3/4	4,825.28
10	143.68	10	462.65	10	874.94	10	1,352.94	10	1,879.29	10	2,440.91	10	3,026.93	10	3,627.71	10	4,234.24	10	4,837.77
1/4	149.16	1/4	470.47	1/4	884.34	1/4	1,363.50	1/4	1,890.70	1/4	2,452.92	1/4	3,039.34	1/4	3,640.32	1/4	4,246.88	1/4	4,850.24
1/2	154.64	1/2	478.29	1/2	893.74	1/2	1,374.05	1/2	1,902.10	1/2	2,464.93	1/2	3,051.74	1/2	3,652.93	1/2	4,259.51	1/2	4,862.71
3/4	160.12	3/4	486.11	3/4	903.14	3/4	1,384.61	3/4	1,913.50	3/4	2,476.94	3/4	3,064.15	3/4	3,665.54	3/4	4,272.14	3/4	4,875.18
11	165.60	11	493.94	11	912.55	11	1,395.16	11	1,924.91	11	2,488.95	11	3,076.56	11	3,678.15	11	4,284.77	11	4,887.65
1/4	171.33	1/4	501.91	1/4	922.06	1/4	1,405.80	1/4	1,936.37	1/4	2,501.00	1/4	3,088.99	1/4	3,690.77	1/4	4,297.40	1/4	4,900.10
1/2	177.05	1/2	509.89	1/2	931.57	1/2	1,416.43	1/2	1,947.83	1/2	2,513.05	1/2	3,101.42	1/2	3,703.39	1/2	4,310.02	1/2	4,912.55
3/4	182.78	3/4	517.86	3/4	941.08	3/4	1,427.07	3/4	1,959.30	3/4	2,525.10	3/4	3,113.85	3/4	3,716.01	3/4	4,322.65	3/4	4,925.00

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "KIRBY 16849"

STBD HORIZONTAL INNAGE TABLE BERGAN GAUGE

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	4,937.45	0	5,526.20	0	6,092.01	0	6,624.25	0	7,110.25	0	7,533.48	0	7,868.60	0		0		0	
1/4	4,949.87	1/4	5,538.24	1/4	6,103.46	1/4	6,634.87	1/4	7,119.73	1/4	7,541.42	1/4	7,874.26	1/4		1/4		1/4	
1/2	4,962.30	1/2	5,550.28	1/2	6,114.91	1/2	6,645.48	1/2	7,129.22	1/2	7,549.36	1/2	7,879.93	1/2		1/2		1/2	
3/4	4,974.72	3/4	5,562.32	3/4	6,126.36	3/4	6,656.10	3/4	7,138.70	3/4	7,557.29	3/4	7,885.59	3/4		3/4		3/4	
1	4,987.15	1	5,574.36	1	6,137.81	1	6,666.71	1	7,148.19	1	7,565.23	1	7,891.26	1		1		1	
1/4	4,999.55	1/4	5,586.36	1/4	6,149.20	1/4	6,677.25	1/4	7,157.56	1/4	7,573.01	1/4	7,896.68	1/4		1/4		1/4	
1/2	5,011.95	1/2	5,598.36	1/2	6,160.58	1/2	6,687.78	1/2	7,166.93	1/2	7,580.80	1/2	7,902.09	1/2		1/2		1/2	
3/4	5,024.35	3/4	5,610.36	3/4	6,171.97	3/4	6,698.31	3/4	7,176.31	3/4	7,588.58	3/4	7,907.51	3/4		3/4		3/4	
2	5,036.75	2	5,622.36	2	6,183.36	2	6,708.85	2	7,185.68	2	7,596.36	2	7,912.93	2		2		2	
1/4	5,049.13	1/4	5,634.32	1/4	6,194.69	1/4	6,719.30	1/4	7,194.94	1/4	7,603.99	1/4	7,918.08	1/4		1/4		1/4	
1/2	5,061.50	1/2	5,646.28	1/2	6,206.02	1/2	6,729.75	1/2	7,204.20	1/2	7,611.61	1/2	7,923.24	1/2		1/2		1/2	
3/4	5,073.88	3/4	5,658.24	3/4	6,217.34	3/4	6,740.19	3/4	7,213.46	3/4	7,619.23	3/4	7,928.39	3/4		3/4		3/4	
3	5,086.25	3	5,670.19	3	6,228.67	3	6,750.64	3	7,222.72	3	7,626.86	3	7,933.55	3		3		3	
1/4	5,098.60	1/4	5,682.11	1/4	6,239.94	1/4	6,761.01	1/4	7,231.86	1/4	7,634.32	1/4	7,938.43	1/4		1/4		1/4	
1/2	5,110.95	1/2	5,694.02	1/2	6,251.20	1/2	6,771.37	1/2	7,241.00	1/2	7,641.78	1/2	7,943.30	1/2		1/2		1/2	
3/4	5,123.29	3/4	5,705.93	3/4	6,262.46	3/4	6,781.74	3/4	7,250.15	3/4	7,649.23	3/4	7,948.18	3/4		3/4		3/4	
4	5,135.64	4	5,717.85	4	6,273.73	4	6,792.10	4	7,259.29	4	7,659.69	4	7,953.06	4		4		4	
1/4	5,147.96	1/4	5,729.72	1/4	6,284.93	1/4	6,802.37	1/4	7,268.31	1/4	7,663.98	1/4	7,957.64	1/4		1/4		1/4	
1/2	5,160.28	1/2	5,741.58	1/2	6,296.13	1/2	6,812.65	1/2	7,277.34	1/2	7,671.27	1/2	7,962.22	1/2		1/2		1/2	
3/4	5,172.60	3/4	5,753.45	3/4	6,307.33	3/4	6,822.92	3/4	7,286.36	3/4	7,678.56	3/4	7,966.80	3/4		3/4		3/4	
5	5,184.92	5	5,765.32	5	6,318.53	5	6,833.20	5	7,295.38	5	7,685.85	5	7,971.38	5		5		5	
1/4	5,197.21	1/4	5,777.14	1/4	6,329.66	1/4	6,843.38	1/4	7,304.29	1/4	7,692.96	1/4	7,975.64	1/4		1/4		1/4	
1/2	5,209.50	1/2	5,788.96	1/2	6,340.79	1/2	6,853.57	1/2	7,313.19	1/2	7,700.07	1/2	7,979.90	1/2		1/2		1/2	
3/4	5,221.79	3/4	5,800.78	3/4	6,351.93	3/4	6,863.75	3/4	7,322.09	3/4	7,707.18	3/4	7,984.15	3/4		3/4		3/4	
6	5,234.08	6	5,812.60	6	6,363.06	6	6,873.94	6	7,330.99	6	7,714.30	6	7,988.41	6		6		6	
1/4	5,246.33	1/4	5,824.38	1/4	6,374.12	1/4	6,884.03	1/4	7,339.76	1/4	7,721.23	1/4	7,992.32	1/4		1/4		1/4	
1/2	5,258.59	1/2	5,836.15	1/2	6,385.19	1/2	6,894.12	1/2	7,348.54	1/2	7,728.16	1/2	7,996.23	1/2		1/2		1/2	
3/4	5,270.85	3/4	5,847.92	3/4	6,396.25	3/4	6,904.22	3/4	7,357.31	3/4	7,735.09	3/4	8,000.14	3/4		3/4		3/4	
7	5,283.11	7	5,859.69	7	6,407.32	7	6,914.31	7	7,366.08	7	7,742.02	7	8,004.05	7		7		7	
1/4	5,295.33	1/4	5,871.42	1/4	6,418.31	1/4	6,924.31	1/4	7,374.73	1/4	7,748.76	1/4	8,007.57	1/4		1/4		1/4	
1/2	5,307.56	1/2	5,883.14	1/2	6,429.31	1/2	6,934.30	1/2	7,383.37	1/2	7,755.50	1/2	8,011.09	1/2		1/2		1/2	
3/4	5,319.78	3/4	5,894.86	3/4	6,440.30	3/4	6,944.30	3/4	7,392.02	3/4	7,762.24	3/4	8,014.61	3/4		3/4		3/4	
8	5,332.01	8	5,906.58	8	6,451.30	8	6,954.30	8	7,400.66	8	7,768.98	8	8,018.13	8		8		8	
1/4	5,344.20	1/4	5,918.25	1/4	6,462.22	1/4	6,964.20	1/4	7,409.17	1/4	7,775.52	1/4	8,021.21	1/4		1/4		1/4	
1/2	5,356.39	1/2	5,929.92	1/2	6,473.14	1/2	6,974.10	1/2	7,417.68	1/2	7,782.06	1/2	8,024.29	1/2		1/2		1/2	
3/4	5,368.58	3/4	5,941.59	3/4	6,484.06	3/4	6,984.00	3/4	7,426.20	3/4	7,788.61	3/4	8,027.37	3/4		3/4		3/4	
9	5,380.77	9	5,953.27	9	6,494.99	9	6,993.90	9	7,434.71	9	7,795.15	9	8,030.46	9		9		9	
1/4	5,392.93	1/4	5,964.88	1/4	6,505.83	1/4	7,003.69	1/4	7,443.08	1/4	7,801.49	1/4	8,033.02	1/4		1/4		1/4	
1/2	5,405.09	1/2	5,976.50	1/2	6,516.68	1/2	7,013.49	1/2	7,451.45	1/2	7,807.83	1/2	8,035.58	1/2		1/2		1/2	
3/4	5,417.24	3/4	5,988.12	3/4	6,527.53	3/4	7,023.29	3/4	7,459.83	3/4	7,814.17	3/4	8,038.15	3/4		3/4		3/4	
10	5,429.40	10	5,999.74	10	6,538.38	10	7,033.09	10	7,468.20	10	7,820.50	10	8,040.71	10		10		10	
1/4	5,441.52	1/4	6,011.30	1/4	6,549.15	1/4	7,042.79	1/4	7,476.44	1/4	7,826.63	1/4	8,042.61	1/4		1/4		1/4	
1/2	5,453.64	1/2	6,022.86	1/2	6,559.93	1/2	7,052.49	1/2	7,484.67	1/2	7,832.75	1/2	8,044.52	1/2		1/2		1/2	
3/4	5,465.76	3/4	6,034.42	3/4	6,570.70	3/4	7,062.18	3/4	7,492.90	3/4	7,838.88	3/4	8,046.42	3/4		3/4		3/4	
11	5,477.87	11	6,045.99	11	6,581.47	11	7,071.88	11	7,501.13	11	7,845.00	11	8,048.32	11		11		11	
1/4	5,489.96	1/4	6,057.49	1/4	6,592.17	1/4	7,081.47	1/4	7,509.22	1/4	7,850.90	1/4	8,049.31	1/4		1/4		1/4	
1/2	5,502.04	1/2	6,069.00	1/2	6,602.86	1/2	7,091.07	1/2	7,517.31	1/2	7,856.80	1/2	8,050.30	1/2		1/2		1/2	
3/4	5,514.12	3/4	6,080.51	3/4	6,613.56	3/4	7,100.66	3/4	7,525.40	3/4	7,862.70	3/4	8,051.29	3/4		3/4		3/4	

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