



BARGE "KIRBY 11338"

ULLAGE TRIM TABLE

FORMERLY "CGBM 111"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-3/8	01-3/8	- 01-3/4	01-3/4	- 02-1/8	02-1/8
2 CENTER	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
3 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS 00-3/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 3/4"

LENGTH BETWEEN DRAFT MARKS: 167'-06"

April 12, 2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 11338"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CGBM 111"

GAUGE HEIGHT 17'-09 1/4"

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		0		0	3,481.16	0	3,265.94	0	3,050.54	0	2,836.22	0	2,621.10	0	2,378.08	0	2,133.17
1/4		1/4		1/4		1/4	3,476.84	1/4	3,261.45	1/4	3,046.05	1/4	2,831.76	1/4	2,616.41	1/4	2,372.98	1/4	2,128.07
1/2		1/2		1/2		1/2	3,472.35	1/2	3,256.97	1/2	3,041.56	1/2	2,827.30	1/2	2,611.50	1/2	2,367.88	1/2	2,122.97
3/4		3/4		3/4		3/4	3,467.87	3/4	3,252.48	3/4	3,037.07	3/4	2,822.84	3/4	2,606.59	3/4	2,362.78	3/4	2,117.86
1		1		1		1	3,463.39	1	3,247.99	1	3,032.59	1	2,818.37	1	2,601.68	1	2,357.68	1	2,112.75
1/4		1/4		1/4		1/4	3,458.91	1/4	3,243.50	1/4	3,028.10	1/4	2,813.91	1/4	2,596.76	1/4	2,352.57	1/4	2,107.65
1/2		1/2		1/2		1/2	3,454.42	1/2	3,239.01	1/2	3,023.63	1/2	2,809.45	1/2	2,591.72	1/2	2,347.47	1/2	2,102.54
3/4		3/4		3/4		3/4	3,449.93	3/4	3,234.53	3/4	3,019.16	3/4	2,804.99	3/4	2,586.67	3/4	2,342.37	3/4	2,097.44
2		2		2		2	3,445.44	2	3,230.04	2	3,014.69	2	2,800.53	2	2,581.62	2	2,337.27	2	2,092.34
1/4		1/4		1/4		1/4	3,440.95	1/4	3,225.55	1/4	3,010.22	1/4	2,796.07	1/4	2,576.57	1/4	2,332.17	1/4	2,087.24
1/2		1/2		1/2		1/2	3,436.47	1/2	3,221.06	1/2	3,005.75	1/2	2,791.61	1/2	2,571.50	1/2	2,327.07	1/2	2,082.14
3/4		3/4		3/4		3/4	3,431.98	3/4	3,216.57	3/4	3,001.29	3/4	2,787.15	3/4	2,566.42	3/4	2,321.97	3/4	2,077.04
3		3		3		3	3,427.49	3	3,212.09	3	2,996.82	3	2,782.68	3	2,561.34	3	2,316.87	3	2,071.94
1/4		1/4		1/4		1/4	3,423.00	1/4	3,207.60	1/4	2,992.36	1/4	2,778.22	1/4	2,556.26	1/4	2,311.76	1/4	2,066.84
1/2		1/2		1/2		1/2	3,418.51	1/2	3,203.11	1/2	2,987.90	1/2	2,773.76	1/2	2,551.19	1/2	2,306.66	1/2	2,061.73
3/4		3/4		3/4		3/4	3,414.03	3/4	3,198.62	3/4	2,983.44	3/4	2,769.30	3/4	2,546.11	3/4	2,301.55	3/4	2,056.63
4		4		4		4	3,409.54	4	3,194.13	4	2,978.98	4	2,764.84	4	2,541.03	4	2,296.44	4	2,051.53
1/4		1/4		1/4		1/4	3,405.05	1/4	3,189.65	1/4	2,974.53	1/4	2,760.38	1/4	2,535.95	1/4	2,291.34	1/4	2,046.43
1/2		1/2		1/2		1/2	3,400.56	1/2	3,185.16	1/2	2,970.06	1/2	2,755.92	1/2	2,530.87	1/2	2,286.23	1/2	2,041.33
3/4		3/4		3/4		3/4	3,396.07	3/4	3,180.67	3/4	2,965.60	3/4	2,751.45	3/4	2,525.79	3/4	2,281.13	3/4	2,036.23
5		5		5		5	3,391.59	5	3,176.18	5	2,961.13	5	2,746.99	5	2,520.71	5	2,276.03	5	2,031.13
1/4		1/4		1/4		1/4	3,387.10	1/4	3,171.69	1/4	2,956.67	1/4	2,742.53	1/4	2,515.62	1/4	2,270.93	1/4	2,026.03
1/2		1/2		1/2		1/2	3,382.61	1/2	3,167.20	1/2	2,952.21	1/2	2,738.07	1/2	2,510.54	1/2	2,265.83	1/2	2,020.92
3/4		3/4		3/4		3/4	3,378.12	3/4	3,162.72	3/4	2,947.75	3/4	2,733.61	3/4	2,505.47	3/4	2,260.73	3/4	2,015.81
6		6		6		6	3,373.63	6	3,158.23	6	2,943.29	6	2,729.15	6	2,500.39	6	2,255.63	6	2,010.70
1/4		1/4		1/4		1/4	3,369.15	1/4	3,153.74	1/4	2,938.84	1/4	2,724.69	1/4	2,495.31	1/4	2,250.53	1/4	2,005.60
1/2		1/2		1/2		1/2	3,364.66	1/2	3,149.25	1/2	2,934.37	1/2	2,720.23	1/2	2,490.23	1/2	2,245.42	1/2	2,000.50
3/4		3/4		3/4		3/4	3,360.17	3/4	3,144.76	3/4	2,929.91	3/4	2,715.76	3/4	2,485.16	3/4	2,240.32	3/4	1,995.40
7		7		7 1/8		7	3,355.68	7	3,140.28	7	2,925.44	7	2,711.30	7	2,480.08	7	2,235.22	7	1,990.29
1/4		1/4		1/4		1/4	3,351.19	1/4	3,135.79	1/4	2,920.98	1/4	2,706.84	1/4	2,475.00	1/4	2,230.12	1/4	1,985.19
1/2		1/2		1/2		1/2	3,346.70	1/2	3,131.30	1/2	2,916.52	1/2	2,702.38	1/2	2,469.91	1/2	2,225.01	1/2	1,980.09
3/4		3/4		3/4		3/4	3,342.22	3/4	3,126.81	3/4	2,912.06	3/4	2,697.92	3/4	2,464.81	3/4	2,219.91	3/4	1,974.98
8		8		8		8	3,337.73	8	3,122.32	8	2,907.60	8	2,693.46	8	2,459.72	8	2,214.80	8	1,969.87
1/4		1/4		1/4		1/4	3,333.24	1/4	3,117.84	1/4	2,903.15	1/4	2,689.00	1/4	2,454.62	1/4	2,209.69	1/4	1,964.76
1/2		1/2		1/2		1/2	3,328.75	1/2	3,113.35	1/2	2,898.68	1/2	2,684.54	1/2	2,449.52	1/2	2,204.59	1/2	1,959.66
3/4		3/4		3/4		3/4	3,324.26	3/4	3,108.87	3/4	2,894.22	3/4	2,680.07	3/4	2,444.42	3/4	2,199.49	3/4	1,954.56
9		9		9		9	3,319.78	9	3,104.39	9	2,889.75	9	2,675.61	9	2,439.32	9	2,194.39	9	1,949.46
1/4		1/4		1/4		1/4	3,315.29	1/4	3,099.91	1/4	2,885.29	1/4	2,671.15	1/4	2,434.22	1/4	2,189.29	1/4	1,944.36
1/2		1/2		1/2		1/2	3,310.80	1/2	3,095.42	1/2	2,880.83	1/2	2,666.69	1/2	2,429.12	1/2	2,184.19	1/2	1,939.26
3/4		3/4		3/4		3/4	3,306.31	3/4	3,090.93	3/4	2,876.37	3/4	2,662.23	3/4	2,424.01	3/4	2,179.09	3/4	1,934.16
10		10		10		10	3,301.82	10	3,086.44	10	2,871.91	10	2,657.77	10	2,418.91	10	2,173.98	10	1,929.06
1/4		1/4		1/4		1/4	3,308.93	1/4	3,297.34	1/4	3,081.95	1/4	2,867.45	1/4	2,653.31	1/4	2,413.81	1/4	1,923.95
1/2		1/2		1/2		1/2	3,305.23	1/2	3,292.85	1/2	3,077.47	1/2	2,862.99	1/2	2,648.78	1/2	2,408.71	1/2	1,918.85
3/4		3/4		3/4		3/4	3,301.53	3/4	3,288.37	3/4	3,072.98	3/4	2,858.53	3/4	2,644.25	3/4	2,403.60	3/4	1,913.74
11		11		11		11	3,497.82	11	3,283.89	11	3,068.49	11	2,854.06	11	2,639.72	11	2,398.49	11	1,908.63
1/4		1/4		1/4		1/4	3,494.12	1/4	3,279.41	1/4	3,064.00	1/4	2,849.60	1/4	2,635.19	1/4	2,393.38	1/4	1,903.53
1/2		1/2		1/2		1/2	3,489.80	1/2	3,274.92	1/2	3,059.51	1/2	2,845.14	1/2	2,630.50	1/2	2,388.28	1/2	1,898.42
3/4		3/4		3/4		3/4	3,485.48	3/4	3,270.43	3/4	3,055.03	3/4	2,840.68	3/4	2,625.80	3/4	2,383.18	3/4	1,893.32

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 21'-06" FORWARD OF AFT BULKHEAD.

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 11338"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CGBM 111"

GAUGE HEIGHT 17'-09 1/4"

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	1,888.22	0	1,643.23	0	1,398.58	0	1,153.72	0	908.84	0	663.96	0	428.42	0	186.79	0		0	
1/4	1,883.12	1/4	1,638.12	1/4	1,393.48	1/4	1,148.62	1/4	903.74	1/4	658.86	1/4	423.60	1/4	181.72	1/4		1/4	
1/2	1,878.01	1/2	1,633.02	1/2	1,388.38	1/2	1,143.52	1/2	898.64	1/2	653.76	1/2	418.79	1/2	176.64	1/2		1/2	
3/4	1,872.91	3/4	1,627.92	3/4	1,383.28	3/4	1,138.42	3/4	893.54	3/4	648.66	3/4	413.98	3/4	171.56	3/4		3/4	
1	1,867.80	1	1,622.82	1	1,378.18	1	1,133.32	1	888.44	1	643.56	1	409.17	1	166.48	1		1	
1/4	1,862.69	1/4	1,617.72	1/4	1,373.07	1/4	1,128.22	1/4	883.34	1/4	638.45	1/4	404.36	1/4	161.41	1/4		1/4	
1/2	1,857.59	1/2	1,612.62	1/2	1,367.97	1/2	1,123.12	1/2	878.23	1/2	633.35	1/2	399.40	1/2	156.33	1/2		1/2	
3/4	1,852.49	3/4	1,607.51	3/4	1,362.87	3/4	1,118.01	3/4	873.13	3/4	628.25	3/4	394.43	3/4	151.25	3/4		3/4	
2	1,847.39	2	1,602.41	2	1,357.77	2	1,112.91	2	868.03	2	623.15	2	389.47	2	146.18	2		2	
1/4	1,842.29	1/4	1,597.31	1/4	1,352.67	1/4	1,107.81	1/4	862.93	1/4	618.05	1/4	384.50	1/4	141.10	1/4		1/4	
1/2	1,837.18	1/2	1,592.22	1/2	1,347.57	1/2	1,102.71	1/2	857.83	1/2	612.95	1/2	379.43	1/2	136.02	1/2		1/2	
3/4	1,832.07	3/4	1,587.12	3/4	1,342.47	3/4	1,097.60	3/4	852.73	3/4	607.85	3/4	374.36	3/4	130.94	3/4		3/4	
3	1,826.97	3	1,582.03	3	1,337.37	3	1,092.49	3	847.63	3	602.75	3	369.29	3	125.87	3		3	
1/4	1,821.86	1/4	1,576.93	1/4	1,332.26	1/4	1,087.38	1/4	842.53	1/4	597.65	1/4	364.22	1/4	120.79	1/4		1/4	
1/2	1,816.76	1/2	1,571.84	1/2	1,327.16	1/2	1,082.28	1/2	837.43	1/2	592.71	1/2	359.15	1/2	115.73	1/2		1/2	
3/4	1,811.66	3/4	1,566.74	3/4	1,322.06	3/4	1,077.18	3/4	832.32	3/4	587.78	3/4	354.09	3/4	110.67	3/4		3/4	
4	1,806.56	4	1,561.64	4	1,316.96	4	1,072.08	4	827.22	4	582.84	4	349.02	4	105.61	4		4	
1/4	1,801.45	1/4	1,556.55	1/4	1,311.86	1/4	1,066.98	1/4	822.12	1/4	577.91	1/4	343.96	1/4	100.55	1/4		1/4	
1/2	1,796.35	1/2	1,551.45	1/2	1,306.76	1/2	1,061.88	1/2	817.02	1/2	573.08	1/2	338.89	1/2	95.65	1/2		1/2	
3/4	1,791.24	3/4	1,546.36	3/4	1,301.66	3/4	1,056.78	3/4	811.92	3/4	568.25	3/4	333.82	3/4	90.74	3/4		3/4	
5	1,786.13	5	1,541.26	5	1,296.56	5	1,051.68	5	806.82	5	563.42	5	328.76	5	85.84	5		5	
1/4	1,781.03	1/4	1,536.17	1/4	1,291.46	1/4	1,046.57	1/4	801.72	1/4	558.60	1/4	323.69	1/4	80.93	1/4		1/4	
1/2	1,775.92	1/2	1,531.07	1/2	1,286.35	1/2	1,041.47	1/2	796.62	1/2	553.78	1/2	318.63	1/2	76.15	1/2		1/2	
3/4	1,770.82	3/4	1,525.98	3/4	1,281.25	3/4	1,036.37	3/4	791.51	3/4	548.95	3/4	313.56	3/4	71.37	3/4		3/4	
6	1,765.72	6	1,520.88	6	1,276.15	6	1,031.27	6	786.41	6	544.13	6	308.50	6	66.59	6		6	
1/4	1,760.62	1/4	1,515.79	1/4	1,271.05	1/4	1,026.17	1/4	781.31	1/4	539.31	1/4	303.43	1/4	61.81	1/4		1/4	
1/2	1,755.52	1/2	1,510.69	1/2	1,265.95	1/2	1,021.07	1/2	776.21	1/2	534.49	1/2	298.37	1/2	57.15	1/2		1/2	
3/4	1,750.42	3/4	1,505.60	3/4	1,260.85	3/4	1,015.97	3/4	771.11	3/4	529.67	3/4	293.30	3/4	52.49	3/4		3/4	
7	1,745.32	7	1,500.50	7	1,255.75	7	1,010.87	7	766.01	7	524.85	7	288.24	7	47.83	7		7	
1/4	1,740.22	1/4	1,495.41	1/4	1,250.65	1/4	1,005.76	1/4	760.91	1/4	520.03	1/4	283.17	1/4	43.17	1/4		1/4	
1/2	1,735.11	1/2	1,490.31	1/2	1,245.54	1/2	1,000.66	1/2	755.81	1/2	515.20	1/2	278.10	1/2	38.66	1/2		1/2	
3/4	1,730.00	3/4	1,485.22	3/4	1,240.44	3/4	995.56	3/4	750.70	3/4	510.38	3/4	273.04	3/4	34.15	3/4		3/4	
8	1,724.90	8	1,480.12	8	1,235.34	8	990.46	8	745.60	8	505.56	8	267.97	8	29.63	8		8	
1/4	1,719.79	1/4	1,475.03	1/4	1,230.24	1/4	985.36	1/4	740.50	1/4	500.74	1/4	262.91	1/4	25.12	1/4		1/4	
1/2	1,714.69	1/2	1,469.93	1/2	1,225.14	1/2	980.26	1/2	735.40	1/2	495.92	1/2	257.84	1/2	20.78	1/2		1/2	
3/4	1,709.59	3/4	1,464.84	3/4	1,220.04	3/4	975.16	3/4	730.30	3/4	491.10	3/4	252.78	3/4	16.43	3/4		3/4	
9	1,704.48	9	1,459.74	9	1,214.94	9	970.06	9	725.20	9	486.28	9	247.71	9	12.09	9		9	
1/4	1,699.38	1/4	1,454.65	1/4	1,209.84	1/4	964.96	1/4	720.10	1/4	481.45	1/4	242.65	1/4	7.74	1/4		1/4	
1/2	1,694.28	1/2	1,449.55	1/2	1,204.73	1/2	959.85	1/2	714.99	1/2	476.63	1/2	237.57	1/2		1/2		1/2	
3/4	1,689.17	3/4	1,444.46	3/4	1,199.63	3/4	954.75	3/4	709.88	3/4	471.81	3/4	232.49	3/4		3/4		3/4	
10	1,684.06	10	1,439.36	10	1,194.53	10	949.65	10	704.78	10	466.99	10	227.41	10		10		10	
1/4	1,678.95	1/4	1,434.26	1/4	1,189.43	1/4	944.55	1/4	699.67	1/4	462.17	1/4	222.34	1/4		1/4		1/4	
1/2	1,673.85	1/2	1,429.17	1/2	1,184.33	1/2	939.45	1/2	694.57	1/2	457.35	1/2	217.26	1/2		1/2		1/2	
3/4	1,668.75	3/4	1,424.07	3/4	1,179.23	3/4	934.35	3/4	689.47	3/4	452.53	3/4	212.18	3/4		3/4		3/4	
11	1,663.65	11	1,418.98	11	1,174.13	11	929.25	11	684.37	11	447.70	11	207.10	11		11		11	
1/4	1,658.55	1/4	1,413.88	1/4	1,169.03	1/4	924.15	1/4	679.26	1/4	442.88	1/4	202.03	1/4		1/4		1/4	
1/2	1,653.44	1/2	1,408.78	1/2	1,163.93	1/2	919.04	1/2	674.16	1/2	438.06	1/2	196.95	1/2		1/2		1/2	
3/4	1,648.34	3/4	1,403.68	3/4	1,158.82	3/4	913.94	3/4	669.06	3/4	433.24	3/4	191.87	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED BY: 03/02/2012 SL
RECALCULATED: 04/12/2022 PMA
NAME CHANGE: 04/13/2022 PMA

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2022



BARGE "KIRBY 11338"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CGBM 111"

GAUGE HEIGHT 17'-09 3/4"

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		0		0	4,075.66	0	3,800.68	0	3,525.14	0	3,250.64	0	2,976.36	0	2,701.70	0	2,426.31		
1/4		1/4		1/4		1/4	4,070.11	1/4	3,794.94	1/4	3,519.39	1/4	3,244.93	1/4	2,970.64	1/4	2,695.96	1/4	2,420.57		
1/2		1/2		1/2		1/2	4,064.55	1/2	3,789.20	1/2	3,513.65	1/2	3,239.21	1/2	2,964.93	1/2	2,690.23	1/2	2,414.83		
3/4		3/4		3/4		3/4	4,059.00	3/4	3,783.45	3/4	3,507.90	3/4	3,233.50	3/4	2,959.21	3/4	2,684.50	3/4	2,409.09		
1		1		1		1	4,053.26	1	3,777.71	1	3,502.17	1	3,227.79	1	2,953.50	1	2,678.76	1	2,403.36		
1/4		1/4		1/4		1/4	4,047.52	1/4	3,771.98	1/4	3,496.43	1/4	3,222.07	1/4	2,947.79	1/4	2,673.02	1/4	2,397.62		
1/2		1/2		1/2		1/2	4,041.79	1/2	3,766.24	1/2	3,490.69	1/2	3,216.36	1/2	2,942.07	1/2	2,667.29	1/2	2,391.88		
3/4		3/4		3/4		3/4	4,036.05	3/4	3,760.50	3/4	3,484.95	3/4	3,210.64	3/4	2,936.36	3/4	2,661.55	3/4	2,386.14		
2		2		2		2	4,030.30	2	3,754.76	2	3,479.23	2	3,204.93	2	2,930.64	2	2,655.81	2	2,380.40		
1/4		1/4		1/4		1/4	4,024.56	1/4	3,749.01	1/4	3,473.51	1/4	3,199.21	1/4	2,924.93	1/4	2,650.07	1/4	2,374.67		
1/2		1/2		1/2		1/2	4,018.82	1/2	3,743.27	1/2	3,467.79	1/2	3,193.50	1/2	2,919.21	1/2	2,644.33	1/2	2,368.93		
3/4		3/4		3/4		3/4	4,013.07	3/4	3,737.52	3/4	3,462.07	3/4	3,187.79	3/4	2,913.50	3/4	2,638.59	3/4	2,363.19		
3		3		3		3	4,007.33	3	3,731.79	3	3,456.36	3	3,182.07	3	2,907.79	3	2,632.86	3	2,357.45		
1/4		1/4		1/4		1/4	4,001.59	1/4	3,726.05	1/4	3,450.64	1/4	3,176.36	1/4	2,902.07	1/4	2,627.12	1/4	2,351.71		
1/2		1/2		1/2		1/2	3,995.86	1/2	3,720.31	1/2	3,444.93	1/2	3,170.64	1/2	2,896.36	1/2	2,621.38	1/2	2,345.98		
3/4		3/4		3/4		3/4	3,990.12	3/4	3,714.57	3/4	3,439.22	3/4	3,164.93	3/4	2,890.64	3/4	2,615.64	3/4	2,340.24		
4		4		4		4	3,984.37	4	3,708.83	4	3,433.50	4	3,159.21	4	2,884.93	4	2,609.90	4	2,334.50		
1/4		1/4		1/4		1/4	3,978.63	1/4	3,703.09	1/4	3,427.79	1/4	3,153.50	1/4	2,879.21	1/4	2,604.17	1/4	2,328.76		
1/2		1/2		1/2		1/2	3,972.89	1/2	3,697.36	1/2	3,422.07	1/2	3,147.79	1/2	2,873.50	1/2	2,598.43	1/2	2,323.02		
3/4		3/4		3/4		3/4	3,967.14	3/4	3,691.62	3/4	3,416.36	3/4	3,142.07	3/4	2,867.79	3/4	2,592.69	3/4	2,317.29		
5		5		5		5	3,961.40	5	3,685.87	5	3,410.64	5	3,136.36	5	2,862.07	5	2,586.95	5	2,311.55		
1/4		1/4		1/4		1/4	3,955.67	1/4	3,680.13	1/4	3,404.93	1/4	3,130.64	1/4	2,856.36	1/4	2,581.21	1/4	2,305.82		
1/2		1/2		1/2		1/2	3,949.93	1/2	3,674.39	1/2	3,399.22	1/2	3,124.93	1/2	2,850.64	1/2	2,575.48	1/2	2,300.09		
3/4		3/4		3/4		3/4	3,944.19	3/4	3,668.64	3/4	3,393.50	3/4	3,119.21	3/4	2,844.93	3/4	2,569.74	3/4	2,294.36		
6		6		6		6	3,938.45	6	3,662.90	6	3,387.79	6	3,113.50	6	2,839.21	6	2,564.00	6	2,288.62		
1/4		1/4		1/4		1/4	3,932.71	1/4	3,657.17	1/4	3,382.07	1/4	3,107.79	1/4	2,833.50	1/4	2,558.26	1/4	2,282.88		
1/2		1/2		1/2		1/2	3,926.98	1/2	3,651.43	1/2	3,376.36	1/2	3,102.07	1/2	2,827.79	1/2	2,552.52	1/2	2,277.14		
3/4		3/4		3/4		3/4	3,921.24	3/4	3,645.69	3/4	3,370.64	3/4	3,096.36	3/4	2,822.07	3/4	2,546.79	3/4	2,271.40		
7		7		7		7	3,915.49	7	3,639.95	7	3,364.93	7	3,090.64	7	2,816.36	7	2,541.05	7	2,265.67		
1/4		1/4		1/4		1/4	3,909.75	1/4	3,634.20	1/4	3,359.22	1/4	3,084.93	1/4	2,810.64	1/4	2,535.31	1/4	2,259.93		
1/2		1/2		1/2		1/2	3,904.01	1/2	3,628.46	1/2	3,353.50	1/2	3,079.21	1/2	2,804.93	1/2	2,529.57	1/2	2,254.19		
3/4		3/4		3/4	7/8	3/4	4,129.69	3/4	3,898.26	3/4	3,622.71	3/4	3,347.79	3/4	3,073.50	3/4	2,799.21	3/4	2,523.83	3/4	2,248.45
8		8		8		8	4,129.01	8	3,892.52	8	3,616.98	8	3,342.07	8	3,067.79	8	2,793.48	8	2,518.10	8	2,242.71
1/4		1/4		1/4		1/4	4,127.66	1/4	3,886.79	1/4	3,611.24	1/4	3,336.36	1/4	3,062.07	1/4	2,787.75	1/4	2,512.37	1/4	2,236.98
1/2		1/2		1/2		1/2	4,126.31	1/2	3,881.05	1/2	3,605.50	1/2	3,330.64	1/2	3,056.36	1/2	2,782.02	1/2	2,506.64	1/2	2,231.24
3/4		3/4		3/4		3/4	4,124.95	3/4	3,875.31	3/4	3,599.76	3/4	3,324.93	3/4	3,050.64	3/4	2,776.29	3/4	2,500.90	3/4	2,225.50
9		9		9		9	4,122.46	9	3,869.56	9	3,594.02	9	3,319.22	9	3,044.93	9	2,770.55	9	2,495.17	9	2,219.76
1/4		1/4		1/4		1/4	4,119.96	1/4	3,863.82	1/4	3,588.29	1/4	3,313.50	1/4	3,039.21	1/4	2,764.81	1/4	2,489.43	1/4	2,214.02
1/2		1/2		1/2		1/2	4,117.47	1/2	3,858.08	1/2	3,582.55	1/2	3,307.79	1/2	3,033.50	1/2	2,759.07	1/2	2,483.69	1/2	2,208.29
3/4		3/4		3/4		3/4	4,114.98	3/4	3,852.33	3/4	3,576.81	3/4	3,302.07	3/4	3,027.79	3/4	2,753.33	3/4	2,477.95	3/4	2,202.55
10		10		10		10	4,111.33	10	3,846.59	10	3,571.06	10	3,296.36	10	3,022.07	10	2,747.59	10	2,472.21	10	2,196.81
1/4		1/4		1/4		1/4	4,107.68	1/4	3,840.86	1/4	3,565.32	1/4	3,290.64	1/4	3,016.36	1/4	2,741.86	1/4	2,466.48	1/4	2,191.07
1/2		1/2		1/2		1/2	4,104.03	1/2	3,835.12	1/2	3,559.58	1/2	3,284.93	1/2	3,010.64	1/2	2,736.12	1/2	2,460.74	1/2	2,185.33
3/4		3/4		3/4		3/4	4,100.38	3/4	3,829.38	3/4	3,553.83	3/4	3,279.21	3/4	3,004.93	3/4	2,730.38	3/4	2,455.00	3/4	2,179.59
11		11		11		11	4,095.59	11	3,823.64	11	3,548.09	11	3,273.50	11	2,999.21	11	2,724.64	11	2,449.26	11	2,173.86
1/4		1/4		1/4		1/4	4,090.80	1/4	3,817.90	1/4	3,542.36	1/4	3,267.79	1/4	2,993.50	1/4	2,718.90	1/4	2,443.52	1/4	2,168.12
1/2		1/2		1/2		1/2	4,086.01	1/2	3,812.17	1/2	3,536.62	1/2	3,262.07	1/2	2,987.79	1/2	2,713.17	1/2	2,437.79	1/2	2,162.38
3/4		3/4		3/4		3/4	4,081.21	3/4	3,806.43	3/4	3,530.88	3/4	3,256.36	3/4	2,982.07	3/4	2,707.43	3/4	2,432.05	3/4	2,156.64

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 34'-06" FORWARD OF AFT BULKHEAD.

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 11338"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CGBM 111"

GAUGE HEIGHT 17'-09 3/4"

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	2,150.90	0	1,875.52	0	1,600.12	0	1,324.72	0	1,049.33	0	773.93	0	505.04	0	231.36	0		0	
1/4	2,145.17	1/4	1,869.79	1/4	1,594.38	1/4	1,318.99	1/4	1,043.59	1/4	768.19	1/4	499.50	1/4	225.62	1/4		1/4	
1/2	2,139.43	1/2	1,864.05	1/2	1,588.64	1/2	1,313.26	1/2	1,037.86	1/2	762.45	1/2	493.96	1/2	219.88	1/2		1/2	
3/4	2,133.69	3/4	1,858.31	3/4	1,582.90	3/4	1,307.52	3/4	1,032.12	3/4	756.71	3/4	488.43	3/4	214.14	3/4		3/4	
1	2,127.96	1	1,852.57	1	1,577.17	1	1,301.79	1	1,026.38	1	750.98	1	482.90	1	208.40	1		1	
1/4	2,122.23	1/4	1,846.83	1/4	1,571.43	1/4	1,296.05	1/4	1,020.64	1/4	745.24	1/4	477.37	1/4	202.67	1/4		1/4	
1/2	2,116.49	1/2	1,841.09	1/2	1,565.69	1/2	1,290.31	1/2	1,014.90	1/2	739.50	1/2	471.84	1/2	196.93	1/2		1/2	
3/4	2,110.76	3/4	1,835.36	3/4	1,559.95	3/4	1,284.57	3/4	1,009.17	3/4	733.76	3/4	466.31	3/4	191.19	3/4		3/4	
2	2,105.02	2	1,829.62	2	1,554.21	2	1,278.83	2	1,003.43	2	728.03	2	460.64	2	185.45	2		2	
1/4	2,099.29	1/4	1,823.88	1/4	1,548.48	1/4	1,273.09	1/4	997.69	1/4	722.30	1/4	454.96	1/4	179.71	1/4		1/4	
1/2	2,093.55	1/2	1,818.14	1/2	1,542.74	1/2	1,267.36	1/2	991.95	1/2	716.56	1/2	449.29	1/2	173.98	1/2		1/2	
3/4	2,087.81	3/4	1,812.40	3/4	1,537.00	3/4	1,261.62	3/4	986.21	3/4	710.83	3/4	443.62	3/4	168.24	3/4		3/4	
3	2,082.07	3	1,806.67	3	1,531.27	3	1,255.88	3	980.48	3	705.09	3	437.88	3	162.50	3		3	
1/4	2,076.33	1/4	1,800.93	1/4	1,525.54	1/4	1,250.14	1/4	974.74	1/4	699.36	1/4	432.14	1/4	156.76	1/4		1/4	
1/2	2,070.59	1/2	1,795.19	1/2	1,519.80	1/2	1,244.40	1/2	969.00	1/2	693.62	1/2	426.40	1/2	151.02	1/2		1/2	
3/4	2,064.86	3/4	1,789.45	3/4	1,514.07	3/4	1,238.67	3/4	963.26	3/4	687.88	3/4	420.67	3/4	145.28	3/4		3/4	
4	2,059.12	4	1,783.71	4	1,508.33	4	1,232.93	4	957.52	4	682.28	4	414.93	4	139.55	4		4	
1/4	2,053.38	1/4	1,777.98	1/4	1,502.59	1/4	1,227.19	1/4	951.79	1/4	676.68	1/4	409.19	1/4	133.82	1/4		1/4	
1/2	2,047.64	1/2	1,772.24	1/2	1,496.86	1/2	1,221.45	1/2	946.05	1/2	671.08	1/2	403.45	1/2	128.09	1/2		1/2	
3/4	2,041.90	3/4	1,766.50	3/4	1,491.12	3/4	1,215.71	3/4	940.31	3/4	665.48	3/4	397.71	3/4	122.36	3/4		3/4	
5	2,036.17	5	1,760.76	5	1,485.38	5	1,209.98	5	934.58	5	659.94	5	391.98	5	116.62	5		5	
1/4	2,030.43	1/4	1,755.02	1/4	1,479.64	1/4	1,204.24	1/4	928.84	1/4	654.40	1/4	386.24	1/4	110.89	1/4		1/4	
1/2	2,024.69	1/2	1,749.29	1/2	1,473.90	1/2	1,198.50	1/2	923.11	1/2	648.87	1/2	380.50	1/2	105.16	1/2		1/2	
3/4	2,018.95	3/4	1,743.55	3/4	1,468.17	3/4	1,192.76	3/4	917.38	3/4	643.33	3/4	374.76	3/4	99.43	3/4		3/4	
6	2,013.21	6	1,737.81	6	1,462.43	6	1,187.02	6	911.64	6	637.80	6	369.03	6	93.71	6		6	
1/4	2,007.48	1/4	1,732.07	1/4	1,456.69	1/4	1,181.29	1/4	905.90	1/4	632.27	1/4	363.30	1/4	87.99	1/4		1/4	
1/2	2,001.74	1/2	1,726.33	1/2	1,450.95	1/2	1,175.55	1/2	900.17	1/2	626.74	1/2	357.56	1/2	82.27	1/2		1/2	
3/4	1,996.00	3/4	1,720.59	3/4	1,445.21	3/4	1,169.81	3/4	894.43	3/4	621.21	3/4	351.83	3/4	76.55	3/4		3/4	
7	1,990.26	7	1,714.86	7	1,439.48	7	1,164.07	7	888.69	7	615.68	7	346.09	7	70.84	7		7	
1/4	1,984.52	1/4	1,709.13	1/4	1,433.74	1/4	1,158.33	1/4	882.95	1/4	610.14	1/4	340.36	1/4	65.14	1/4		1/4	
1/2	1,978.79	1/2	1,703.40	1/2	1,428.00	1/2	1,152.59	1/2	877.21	1/2	604.61	1/2	334.62	1/2	59.44	1/2		1/2	
3/4	1,973.05	3/4	1,697.67	3/4	1,422.26	3/4	1,146.86	3/4	871.48	3/4	599.07	3/4	328.88	3/4	53.74	3/4		3/4	
8	1,967.31	8	1,691.93	8	1,416.52	8	1,141.12	8	865.74	8	593.54	8	323.14	8	48.07	8		8	
1/4	1,961.57	1/4	1,686.19	1/4	1,410.79	1/4	1,135.39	1/4	860.00	1/4	588.01	1/4	317.40	1/4	42.39	1/4		1/4	
1/2	1,955.83	1/2	1,680.45	1/2	1,405.05	1/2	1,129.66	1/2	854.26	1/2	582.48	1/2	311.67	1/2	36.72	1/2		1/2	
3/4	1,950.09	3/4	1,674.71	3/4	1,399.31	3/4	1,123.93	3/4	848.52	3/4	576.95	3/4	305.93	3/4	31.05	3/4		3/4	
9	1,944.36	9	1,668.98	9	1,393.57	9	1,118.19	9	842.79	9	571.42	9	300.19	9	25.43	9		9	
1/4	1,938.62	1/4	1,663.24	1/4	1,387.83	1/4	1,112.45	1/4	837.05	1/4	565.88	1/4	294.45	1/4	19.81	1/4		1/4	
1/2	1,932.88	1/2	1,657.50	1/2	1,382.09	1/2	1,106.71	1/2	831.31	1/2	560.34	1/2	288.71	1/2	14.19	1/2		1/2	
3/4	1,927.14	3/4	1,651.76	3/4	1,376.36	3/4	1,100.98	3/4	825.57	3/4	554.81	3/4	282.98	3/4	8.57	3/4		3/4	
10	1,921.41	10	1,646.02	10	1,370.62	10	1,095.24	10	819.83	10	549.28	10	277.24	10		10		10	
1/4	1,915.68	1/4	1,640.29	1/4	1,364.88	1/4	1,089.50	1/4	814.09	1/4	543.75	1/4	271.50	1/4		1/4		1/4	
1/2	1,909.95	1/2	1,634.55	1/2	1,359.14	1/2	1,083.76	1/2	808.36	1/2	538.22	1/2	265.76	1/2		1/2		1/2	
3/4	1,904.21	3/4	1,628.81	3/4	1,353.40	3/4	1,078.02	3/4	802.62	3/4	532.69	3/4	260.02	3/4		3/4		3/4	
11	1,898.48	11	1,623.07	11	1,347.67	11	1,072.29	11	796.88	11	527.16	11	254.29	11		11		11	
1/4	1,892.74	1/4	1,617.33	1/4	1,341.93	1/4	1,066.55	1/4	791.14	1/4	521.63	1/4	248.56	1/4		1/4		1/4	
1/2	1,887.00	1/2	1,611.59	1/2	1,336.19	1/2	1,060.81	1/2	785.40	1/2	516.10	1/2	242.83	1/2		1/2		1/2	
3/4	1,881.26	3/4	1,605.86	3/4	1,330.45	3/4	1,055.07	3/4	779.67	3/4	510.57	3/4	237.09	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED BY: 03/02/2012 SI.
RECALCULATED: 04/12/2022 PMA
NAME CHANGE: 04/13/2022 PMA

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2022



BARGE "KIRBY 11338"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CGBM 111"

GAUGE HEIGHT 17'-09 1/4"

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		0		0	3,626.14	0	3,380.65	0	3,134.98	0	2,890.40	0	2,646.00	0	2,401.19	0	2,155.67
1/4		1/4		1/4		1/4	3,621.22	1/4	3,375.53	1/4	3,129.86	1/4	2,885.31	1/4	2,640.91	1/4	2,396.07	1/4	2,150.55
1/2		1/2		1/2		1/2	3,616.10	1/2	3,370.41	1/2	3,124.74	1/2	2,880.22	1/2	2,635.82	1/2	2,390.96	1/2	2,145.44
3/4		3/4		3/4		3/4	3,610.98	3/4	3,365.29	3/4	3,119.62	3/4	2,875.13	3/4	2,630.73	3/4	2,385.85	3/4	2,140.32
1		1		1		1	3,605.86	1	3,360.17	1	3,114.50	1	2,870.04	1	2,625.64	1	2,380.74	1	2,135.21
1/4		1/4		1/4		1/4	3,600.74	1/4	3,355.05	1/4	3,109.38	1/4	2,864.96	1/4	2,620.55	1/4	2,375.62	1/4	2,130.10
1/2		1/2		1/2		1/2	3,595.62	1/2	3,349.94	1/2	3,104.28	1/2	2,859.86	1/2	2,615.46	1/2	2,370.50	1/2	2,124.99
3/4		3/4		3/4		3/4	3,590.50	3/4	3,344.82	3/4	3,099.18	3/4	2,854.77	3/4	2,610.36	3/4	2,365.38	3/4	2,119.87
2		2		2		2	3,585.39	2	3,339.71	2	3,094.08	2	2,849.67	2	2,605.27	2	2,360.27	2	2,114.76
1/4		1/4		1/4		1/4	3,580.27	1/4	3,334.60	1/4	3,088.98	1/4	2,844.57	1/4	2,600.17	1/4	2,355.15	1/4	2,109.65
1/2		1/2		1/2		1/2	3,575.15	1/2	3,329.48	1/2	3,083.89	1/2	2,839.49	1/2	2,595.08	1/2	2,350.03	1/2	2,104.53
3/4		3/4		3/4		3/4	3,570.03	3/4	3,324.36	3/4	3,078.80	3/4	2,834.40	3/4	2,589.99	3/4	2,344.92	3/4	2,099.41
3		3		3		3	3,564.91	3	3,319.24	3	3,073.71	3	2,829.31	3	2,584.90	3	2,339.81	3	2,094.29
1/4		1/4		1/4		1/4	3,559.79	1/4	3,314.12	1/4	3,068.62	1/4	2,824.22	1/4	2,579.81	1/4	2,334.69	1/4	2,089.17
1/2		1/2		1/2		1/2	3,554.67	1/2	3,309.00	1/2	3,063.53	1/2	2,819.12	1/2	2,574.72	1/2	2,329.58	1/2	2,084.06
3/4		3/4		3/4		3/4	3,549.55	3/4	3,303.88	3/4	3,058.43	3/4	2,814.03	3/4	2,569.62	3/4	2,324.47	3/4	2,078.94
4		4		4		4	3,544.43	4	3,298.76	4	3,053.34	4	2,808.93	4	2,564.53	4	2,319.35	4	2,073.83
1/4		1/4		1/4		1/4	3,539.31	1/4	3,293.65	1/4	3,048.24	1/4	2,803.84	1/4	2,559.43	1/4	2,314.24	1/4	2,068.72
1/2		1/2		1/2		1/2	3,534.19	1/2	3,288.53	1/2	3,043.15	1/2	2,798.75	1/2	2,554.34	1/2	2,309.12	1/2	2,063.60
3/4		3/4		3/4		3/4	3,529.08	3/4	3,283.41	3/4	3,038.06	3/4	2,793.66	3/4	2,549.25	3/4	2,304.00	3/4	2,058.49
5		5		5		5	3,523.96	5	3,278.29	5	3,032.97	5	2,788.57	5	2,544.16	5	2,298.88	5	2,053.38
1/4		1/4		1/4		1/4	3,518.84	1/4	3,273.17	1/4	3,027.88	1/4	2,783.48	1/4	2,539.07	1/4	2,293.77	1/4	2,048.27
1/2		1/2		1/2		1/2	3,513.72	1/2	3,268.05	1/2	3,022.79	1/2	2,778.38	1/2	2,533.98	1/2	2,288.65	1/2	2,043.15
3/4		3/4		3/4		3/4	3,508.60	3/4	3,262.93	3/4	3,017.69	3/4	2,773.29	3/4	2,528.88	3/4	2,283.54	3/4	2,038.03
6		6		6		6	3,503.48	6	3,257.81	6	3,012.60	6	2,768.19	6	2,523.79	6	2,278.43	6	2,032.91
1/4		1/4		1/4		1/4	3,498.36	1/4	3,252.69	1/4	3,007.50	1/4	2,763.10	1/4	2,518.69	1/4	2,273.31	1/4	2,027.79
1/2		1/2		1/2		1/2	3,493.25	1/2	3,247.57	1/2	3,002.41	1/2	2,758.01	1/2	2,513.60	1/2	2,268.20	1/2	2,022.68
3/4		3/4		3/4		3/4	3,488.13	3/4	3,242.46	3/4	2,997.33	3/4	2,752.92	3/4	2,508.52	3/4	2,263.09	3/4	2,017.56
7		7		7 1/8		7	3,483.02	7	3,237.34	7	2,992.24	7	2,747.83	7	2,503.43	7	2,257.97	7	2,012.45
1/4		1/4		1/4		1/4	3,683.69	1/4	3,477.91	1/4	3,232.22	1/4	2,987.15	1/4	2,742.74	1/4	2,498.34	1/4	2,252.86
1/2		1/2		1/2		1/2	3,682.74	1/2	3,472.79	1/2	3,227.10	1/2	2,982.06	1/2	2,737.65	1/2	2,493.23	1/2	2,247.75
3/4		3/4		3/4		3/4	3,681.59	3/4	3,467.67	3/4	3,221.98	3/4	2,976.97	3/4	2,732.56	3/4	2,488.12	3/4	2,242.63
8		8		8		8	3,680.44	8	3,462.55	8	3,216.86	8	2,971.88	8	2,727.47	8	2,483.02	8	2,237.52
1/4		1/4		1/4		1/4	3,679.29	1/4	3,457.43	1/4	3,211.74	1/4	2,966.79	1/4	2,722.38	1/4	2,477.91	1/4	2,232.41
1/2		1/2		1/2		1/2	3,677.12	1/2	3,452.31	1/2	3,206.63	1/2	2,961.69	1/2	2,717.29	1/2	2,472.79	1/2	2,227.29
3/4		3/4		3/4		3/4	3,674.94	3/4	3,447.19	3/4	3,201.52	3/4	2,956.60	3/4	2,712.19	3/4	2,467.68	3/4	2,222.17
9		9		9		9	3,672.77	9	3,442.08	9	3,196.40	9	2,951.50	9	2,707.10	9	2,462.57	9	2,217.05
1/4		1/4		1/4		1/4	3,670.60	1/4	3,436.96	1/4	3,191.29	1/4	2,946.41	1/4	2,702.00	1/4	2,457.46	1/4	2,211.93
1/2		1/2		1/2		1/2	3,667.40	1/2	3,431.84	1/2	3,186.17	1/2	2,941.32	1/2	2,696.91	1/2	2,452.34	1/2	2,206.82
3/4		3/4		3/4		3/4	3,664.19	3/4	3,426.72	3/4	3,181.05	3/4	2,936.23	3/4	2,691.82	3/4	2,447.23	3/4	2,201.71
10		10		10		10	3,660.99	10	3,421.60	10	3,175.93	10	2,931.14	10	2,686.74	10	2,442.12	10	2,196.59
1/4		1/4		1/4		1/4	3,657.79	1/4	3,416.48	1/4	3,170.81	1/4	2,926.05	1/4	2,681.65	1/4	2,437.00	1/4	2,191.48
1/2		1/2		1/2		1/2	3,653.57	1/2	3,411.36	1/2	3,165.69	1/2	2,920.96	1/2	2,676.55	1/2	2,431.88	1/2	2,186.37
3/4		3/4		3/4		3/4	3,649.35	3/4	3,406.24	3/4	3,160.57	3/4	2,915.86	3/4	2,671.46	3/4	2,426.77	3/4	2,181.25
11		11		11		11	3,645.13	11	3,401.12	11	3,155.46	11	2,910.77	11	2,666.36	11	2,421.65	11	2,176.14
1/4		1/4		1/4		1/4	3,640.91	1/4	3,396.00	1/4	3,150.34	1/4	2,905.67	1/4	2,661.27	1/4	2,416.53	1/4	2,171.03
1/2		1/2		1/2		1/2	3,635.99	1/2	3,390.88	1/2	3,145.22	1/2	2,900.58	1/2	2,656.18	1/2	2,411.41	1/2	2,165.91
3/4		3/4		3/4		3/4	3,631.06	3/4	3,385.77	3/4	3,140.10	3/4	2,895.49	3/4	2,651.09	3/4	2,406.30	3/4	2,160.79

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 28'-03" FORWARD OF AFT BULKHEAD.

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 11338"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CGBM 111"

GAUGE HEIGHT 17'-09 1/4"

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	1,910.16	0	1,664.64	0	1,419.12	0	1,173.62	0	928.09	0	682.57	0	438.64	0	195.48	0		0	
1/4	1,905.05	1/4	1,659.53	1/4	1,414.00	1/4	1,168.50	1/4	922.98	1/4	677.46	1/4	433.57	1/4	190.41	1/4		1/4	
1/2	1,899.93	1/2	1,654.41	1/2	1,408.89	1/2	1,163.38	1/2	917.87	1/2	672.34	1/2	428.53	1/2	185.34	1/2		1/2	
3/4	1,894.81	3/4	1,649.30	3/4	1,403.78	3/4	1,158.27	3/4	912.75	3/4	667.23	3/4	423.49	3/4	180.27	3/4		3/4	
1	1,889.69	1	1,644.19	1	1,398.66	1	1,153.15	1	907.64	1	662.12	1	418.45	1	175.19	1		1	
1/4	1,884.57	1/4	1,639.07	1/4	1,393.55	1/4	1,148.03	1/4	902.53	1/4	657.00	1/4	413.41	1/4	170.12	1/4		1/4	
1/2	1,879.46	1/2	1,633.96	1/2	1,388.44	1/2	1,142.91	1/2	897.41	1/2	651.89	1/2	408.35	1/2	165.05	1/2		1/2	
3/4	1,874.35	3/4	1,628.84	3/4	1,383.32	3/4	1,137.80	3/4	892.29	3/4	646.78	3/4	403.30	3/4	159.98	3/4		3/4	
2	1,869.24	2	1,623.72	2	1,378.21	2	1,132.69	2	887.17	2	641.66	2	398.25	2	154.91	2		2	
1/4	1,864.12	1/4	1,618.60	1/4	1,373.10	1/4	1,127.57	1/4	882.05	1/4	636.55	1/4	393.19	1/4	149.84	1/4		1/4	
1/2	1,859.01	1/2	1,613.49	1/2	1,367.98	1/2	1,122.46	1/2	876.94	1/2	631.44	1/2	388.12	1/2	144.77	1/2		1/2	
3/4	1,853.90	3/4	1,608.37	3/4	1,362.86	3/4	1,117.35	3/4	871.82	3/4	626.32	3/4	383.05	3/4	139.71	3/4		3/4	
3	1,848.78	3	1,603.26	3	1,357.74	3	1,112.24	3	866.71	3	621.21	3	377.98	3	134.64	3		3	
1/4	1,843.67	1/4	1,598.15	1/4	1,352.62	1/4	1,107.12	1/4	861.60	1/4	616.10	1/4	372.91	1/4	129.57	1/4		1/4	
1/2	1,838.55	1/2	1,593.03	1/2	1,347.51	1/2	1,102.01	1/2	856.49	1/2	611.01	1/2	367.84	1/2	124.50	1/2		1/2	
3/4	1,833.43	3/4	1,587.92	3/4	1,342.40	3/4	1,096.90	3/4	851.37	3/4	605.92	3/4	362.78	3/4	119.43	3/4		3/4	
4	1,828.31	4	1,582.81	4	1,337.28	4	1,091.78	4	846.26	4	600.83	4	357.71	4	114.36	4		4	
1/4	1,823.19	1/4	1,577.69	1/4	1,332.17	1/4	1,086.67	1/4	841.15	1/4	595.74	1/4	352.65	1/4	109.29	1/4		1/4	
1/2	1,818.08	1/2	1,572.58	1/2	1,327.06	1/2	1,081.55	1/2	836.03	1/2	590.67	1/2	347.57	1/2	104.22	1/2		1/2	
3/4	1,812.97	3/4	1,567.47	3/4	1,321.94	3/4	1,076.43	3/4	830.92	3/4	585.60	3/4	342.50	3/4	99.16	3/4		3/4	
5	1,807.85	5	1,562.35	5	1,316.83	5	1,071.31	5	825.81	5	580.53	5	337.43	5	94.09	5		5	
1/4	1,802.74	1/4	1,557.24	1/4	1,311.72	1/4	1,066.19	1/4	820.69	1/4	575.46	1/4	332.36	1/4	89.03	1/4		1/4	
1/2	1,797.63	1/2	1,552.12	1/2	1,306.60	1/2	1,061.08	1/2	815.57	1/2	570.39	1/2	327.29	1/2	83.97	1/2		1/2	
3/4	1,792.52	3/4	1,547.00	3/4	1,301.49	3/4	1,055.97	3/4	810.46	3/4	565.32	3/4	322.22	3/4	78.91	3/4		3/4	
6	1,787.40	6	1,541.88	6	1,296.38	6	1,050.85	6	805.34	6	560.26	6	317.15	6	73.85	6		6	
1/4	1,782.29	1/4	1,536.77	1/4	1,291.27	1/4	1,045.74	1/4	800.22	1/4	555.19	1/4	312.07	1/4	68.79	1/4		1/4	
1/2	1,777.18	1/2	1,531.65	1/2	1,286.15	1/2	1,040.63	1/2	795.10	1/2	550.13	1/2	307.01	1/2	63.75	1/2		1/2	
3/4	1,772.06	3/4	1,526.54	3/4	1,281.03	3/4	1,035.52	3/4	789.99	3/4	545.06	3/4	301.94	3/4	58.72	3/4		3/4	
7	1,766.95	7	1,521.43	7	1,275.91	7	1,030.40	7	784.88	7	540.00	7	296.88	7	53.68	7		7	
1/4	1,761.84	1/4	1,516.31	1/4	1,270.79	1/4	1,025.29	1/4	779.77	1/4	534.93	1/4	291.81	1/4	48.65	1/4		1/4	
1/2	1,756.72	1/2	1,511.20	1/2	1,265.68	1/2	1,020.17	1/2	774.65	1/2	529.86	1/2	286.74	1/2	43.63	1/2		1/2	
3/4	1,751.60	3/4	1,506.09	3/4	1,260.56	3/4	1,015.05	3/4	769.54	3/4	524.79	3/4	281.67	3/4	38.62	3/4		3/4	
8	1,746.48	8	1,500.97	8	1,255.45	8	1,009.93	8	764.43	8	519.72	8	276.60	8	33.61	8		8	
1/4	1,741.36	1/4	1,495.86	1/4	1,250.34	1/4	1,004.81	1/4	759.31	1/4	514.65	1/4	271.53	1/4	28.60	1/4		1/4	
1/2	1,736.25	1/2	1,490.74	1/2	1,245.22	1/2	999.70	1/2	754.19	1/2	509.58	1/2	266.46	1/2	23.63	1/2		1/2	
3/4	1,731.13	3/4	1,485.62	3/4	1,240.11	3/4	994.59	3/4	749.07	3/4	504.52	3/4	261.38	3/4	18.66	3/4		3/4	
9	1,726.02	9	1,480.50	9	1,235.00	9	989.47	9	743.96	9	499.45	9	256.31	9	13.69	9		9	
1/4	1,720.91	1/4	1,475.38	1/4	1,229.88	1/4	984.36	1/4	738.84	1/4	494.38	1/4	251.24	1/4	8.71	1/4		1/4	
1/2	1,715.79	1/2	1,470.27	1/2	1,224.77	1/2	979.25	1/2	733.72	1/2	489.32	1/2	246.17	1/2		1/2		1/2	
3/4	1,710.68	3/4	1,465.16	3/4	1,219.65	3/4	974.13	3/4	728.61	3/4	484.25	3/4	241.10	3/4		3/4		3/4	
10	1,705.57	10	1,460.05	10	1,214.53	10	969.02	10	723.50	10	479.19	10	236.03	10		10		10	
1/4	1,700.46	1/4	1,454.93	1/4	1,209.41	1/4	963.91	1/4	718.38	1/4	474.12	1/4	230.96	1/4		1/4		1/4	
1/2	1,695.34	1/2	1,449.82	1/2	1,204.29	1/2	958.79	1/2	713.27	1/2	469.05	1/2	225.89	1/2		1/2		1/2	
3/4	1,690.22	3/4	1,444.71	3/4	1,199.18	3/4	953.67	3/4	708.16	3/4	463.98	3/4	220.82	3/4		3/4		3/4	
11	1,685.10	11	1,439.59	11	1,194.07	11	948.55	11	703.05	11	458.91	11	215.76	11		11		11	
1/4	1,679.98	1/4	1,434.48	1/4	1,188.96	1/4	943.43	1/4	697.93	1/4	453.84	1/4	210.69	1/4		1/4		1/4	
1/2	1,674.87	1/2	1,429.36	1/2	1,183.84	1/2	938.32	1/2	692.81	1/2	448.77	1/2	205.62	1/2		1/2		1/2	
3/4	1,669.75	3/4	1,424.24	3/4	1,178.73	3/4	933.21	3/4	687.69	3/4	443.71	3/4	200.55	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED BY: 03/02/2012 SI.
RECALCULATED: 04/12/2022 PMA
NAME CHANGE: 04/13/2022 PMA

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2022