



# BARGE "KIRBY 28711"

INNAGE TRIM TABLE  
2" DIAMETER

	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 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/8	00-3/8	- 00-1/2	00-1/2
1 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/8	00-3/8	- 00-1/2	00-1/2
2 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/8	00-3/8	- 00-1/2	00-1/2
2 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/8	00-3/8	- 00-1/2	00-1/2
3 PORT	- 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	- 01-3/8	01-3/8
3 STBD	- 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

(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 PORT IS 00-1/4"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 257'-06"

September 29, 2015

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 28711"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 1/2"

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	12.53	0	331.67	0	653.45	0	983.85	0	1,314.01	0	1,643.21	0	1,974.78	0	2,306.32	0	2,637.78	0	2,969.25
1/4	17.13	1/4	338.57	1/4	660.35	1/4	990.72	1/4	1,320.79	1/4	1,650.12	1/4	1,981.69	1/4	2,313.22	1/4	2,644.69	1/4	2,976.15
1/2	21.73	1/2	345.48	1/2	667.26	1/2	997.59	1/2	1,327.57	1/2	1,657.03	1/2	1,988.59	1/2	2,320.13	1/2	2,651.59	1/2	2,983.06
3/4	26.33	3/4	352.38	3/4	674.17	3/4	1,004.46	3/4	1,334.34	3/4	1,663.94	3/4	1,995.50	3/4	2,327.03	3/4	2,658.50	3/4	2,989.96
1	30.93	1	359.28	1	681.08	1	1,011.33	1	1,341.12	1	1,670.85	1	2,002.41	1	2,333.94	1	2,665.40	1	2,996.87
1/4	37.21	1/4	366.19	1/4	687.99	1/4	1,018.20	1/4	1,347.89	1/4	1,677.75	1/4	2,009.32	1/4	2,340.85	1/4	2,672.31	1/4	3,003.77
1/2	43.49	1/2	373.09	1/2	694.90	1/2	1,025.06	1/2	1,354.66	1/2	1,684.66	1/2	2,016.23	1/2	2,347.75	1/2	2,679.22	1/2	3,010.68
3/4	49.78	3/4	380.00	3/4	701.80	3/4	1,031.93	3/4	1,361.44	3/4	1,691.57	3/4	2,023.13	3/4	2,354.66	3/4	2,686.12	3/4	3,017.58
2	56.06	2	386.90	2	708.71	2	1,038.80	2	1,368.21	2	1,698.48	2	2,030.04	2	2,361.56	2	2,693.03	2	3,024.49
1/4	62.90	1/4	393.81	1/4	715.62	1/4	1,045.67	1/4	1,374.99	1/4	1,705.38	1/4	2,036.95	1/4	2,368.47	1/4	2,699.93	1/4	3,031.40
1/2	69.73	1/2	400.71	1/2	722.53	1/2	1,052.54	1/2	1,381.76	1/2	1,712.29	1/2	2,043.86	1/2	2,375.37	1/2	2,706.84	1/2	3,038.30
3/4	76.57	3/4	407.61	3/4	729.44	3/4	1,059.42	3/4	1,388.54	3/4	1,719.20	3/4	2,050.76	3/4	2,382.28	3/4	2,713.74	3/4	3,045.21
3	83.40	3	414.52	3	736.35	3	1,066.29	3	1,395.32	3	1,726.11	3	2,057.67	3	2,389.18	3	2,720.65	3	3,052.11
1/4	90.27	1/4	421.18	1/4	743.25	1/4	1,073.16	1/4	1,402.09	1/4	1,733.01	1/4	2,064.58	1/4	2,396.09	1/4	2,727.55	1/4	3,059.02
1/2	97.13	1/2	427.84	1/2	750.16	1/2	1,080.03	1/2	1,408.87	1/2	1,739.92	1/2	2,071.49	1/2	2,403.00	1/2	2,734.46	1/2	3,065.92
3/4	104.00	3/4	434.51	3/4	757.07	3/4	1,086.91	3/4	1,415.65	3/4	1,746.83	3/4	2,078.39	3/4	2,409.90	3/4	2,741.36	3/4	3,072.83
4	110.86	4	441.17	4	763.98	4	1,093.78	4	1,422.43	4	1,753.74	4	2,085.30	4	2,416.81	4	2,748.27	4	3,079.73
1/4	117.75	1/4	447.59	1/4	770.87	1/4	1,100.67	1/4	1,429.27	1/4	1,760.64	1/4	2,092.21	1/4	2,423.71	1/4	2,755.18	1/4	3,086.64
1/2	124.63	1/2	454.02	1/2	777.75	1/2	1,107.56	1/2	1,436.12	1/2	1,767.55	1/2	2,099.12	1/2	2,430.62	1/2	2,762.08	1/2	3,093.55
3/4	131.52	3/4	460.44	3/4	784.64	3/4	1,114.45	3/4	1,442.96	3/4	1,774.46	3/4	2,106.02	3/4	2,437.52	3/4	2,768.99	3/4	3,100.45
5	138.40	5	466.86	5	791.53	5	1,121.34	5	1,449.80	5	1,781.37	5	2,112.93	5	2,444.43	5	2,775.89	5	3,107.36
1/4	145.29	1/4	473.28	1/4	798.40	1/4	1,128.25	1/4	1,456.71	1/4	1,788.27	1/4	2,119.84	1/4	2,451.33	1/4	2,782.80	1/4	3,114.26
1/2	152.19	1/2	479.71	1/2	805.27	1/2	1,135.16	1/2	1,463.62	1/2	1,795.18	1/2	2,126.75	1/2	2,458.24	1/2	2,789.70	1/2	3,121.17
3/4	159.08	3/4	486.13	3/4	812.14	3/4	1,142.07	3/4	1,470.52	3/4	1,802.09	3/4	2,133.65	3/4	2,465.14	3/4	2,796.61	3/4	3,128.07
6	165.98	6	492.55	6	819.00	6	1,148.98	6	1,477.43	6	1,809.00	6	2,140.56	6	2,472.05	6	2,803.51	6	3,134.98
1/4	172.88	1/4	498.98	1/4	825.87	1/4	1,155.89	1/4	1,484.34	1/4	1,815.90	1/4	2,147.47	1/4	2,478.96	1/4	2,810.42	1/4	3,141.88
1/2	179.78	1/2	505.40	1/2	832.74	1/2	1,162.80	1/2	1,491.25	1/2	1,822.81	1/2	2,154.38	1/2	2,485.86	1/2	2,817.33	1/2	3,148.79
3/4	186.68	3/4	511.82	3/4	839.61	3/4	1,169.70	3/4	1,498.16	3/4	1,829.72	3/4	2,161.28	3/4	2,492.77	3/4	2,824.23	3/4	3,155.69
7	193.59	7	518.24	7	846.48	7	1,176.61	7	1,505.06	7	1,836.63	7	2,168.19	7	2,499.67	7	2,831.14	7	3,162.60
1/4	200.49	1/4	524.67	1/4	853.35	1/4	1,183.52	1/4	1,511.97	1/4	1,843.54	1/4	2,175.10	1/4	2,506.58	1/4	2,838.04	1/4	3,169.51
1/2	207.39	1/2	531.09	1/2	860.22	1/2	1,190.43	1/2	1,518.88	1/2	1,850.44	1/2	2,182.01	1/2	2,513.48	1/2	2,844.95	1/2	3,176.41
3/4	214.30	3/4	537.51	3/4	867.08	3/4	1,197.34	3/4	1,525.79	3/4	1,857.35	3/4	2,188.92	3/4	2,520.39	3/4	2,851.85	3/4	3,183.32
8	221.20	8	543.94	8	873.95	8	1,204.25	8	1,532.69	8	1,864.26	8	2,195.82	8	2,527.29	8	2,858.76	8	3,190.22
1/4	228.11	1/4	550.60	1/4	880.82	1/4	1,211.16	1/4	1,539.60	1/4	1,871.17	1/4	2,202.73	1/4	2,534.20	1/4	2,865.66	1/4	3,197.13
1/2	235.01	1/2	557.26	1/2	887.69	1/2	1,218.07	1/2	1,546.51	1/2	1,878.07	1/2	2,209.64	1/2	2,541.11	1/2	2,872.57	1/2	3,204.03
3/4	241.91	3/4	563.93	3/4	894.56	3/4	1,224.98	3/4	1,553.42	3/4	1,884.98	3/4	2,216.54	3/4	2,548.01	3/4	2,879.47	3/4	3,210.94
9	248.82	9	570.59	9	901.43	9	1,231.89	9	1,560.32	9	1,891.89	9	2,223.45	9	2,554.92	9	2,886.38	9	3,217.84
1/4	255.72	1/4	577.49	1/4	908.29	1/4	1,238.79	1/4	1,567.23	1/4	1,898.80	1/4	2,230.36	1/4	2,561.82	1/4	2,893.29	1/4	3,224.75
1/2	262.63	1/2	584.40	1/2	915.16	1/2	1,245.70	1/2	1,574.14	1/2	1,905.70	1/2	2,237.26	1/2	2,568.73	1/2	2,900.19	1/2	3,231.66
3/4	269.53	3/4	591.30	3/4	922.03	3/4	1,252.61	3/4	1,581.05	3/4	1,912.61	3/4	2,244.17	3/4	2,575.63	3/4	2,907.10	3/4	3,238.56
10	276.43	10	598.20	10	928.90	10	1,259.52	10	1,587.95	10	1,919.52	10	2,251.07	10	2,582.54	10	2,914.00	10	3,245.47
1/4	283.34	1/4	605.11	1/4	935.77	1/4	1,266.37	1/4	1,594.86	1/4	1,926.43	1/4	2,257.98	1/4	2,589.44	1/4	2,920.91	1/4	3,252.37
1/2	290.24	1/2	612.01	1/2	942.64	1/2	1,273.21	1/2	1,601.77	1/2	1,933.33	1/2	2,264.89	1/2	2,596.35	1/2	2,927.81	1/2	3,259.27
3/4	297.15	3/4	618.92	3/4	949.51	3/4	1,280.05	3/4	1,608.68	3/4	1,940.24	3/4	2,271.79	3/4	2,603.25	3/4	2,934.72	3/4	3,266.18
11	304.05	11	625.82	11	956.37	11	1,286.90	11	1,615.58	11	1,947.15	11	2,278.70	11	2,610.16	11	2,941.62	11	3,273.08
1/4	310.96	1/4	632.73	1/4	963.24	1/4	1,293.68	1/4	1,622.49	1/4	1,954.06	1/4	2,285.60	1/4	2,617.07	1/4	2,948.53	1/4	3,279.97
1/2	317.86	1/2	639.63	1/2	970.11	1/2	1,300.45	1/2	1,629.40	1/2	1,960.96	1/2	2,292.51	1/2	2,623.97	1/2	2,955.44	1/2	3,286.85
3/4	324.76	3/4	646.54	3/4	976.98	3/4	1,307.23	3/4	1,636.31	3/4	1,967.87	3/4	2,299.41	3/4	2,630.88	3/4	2,962.34	3/4	3,293.74

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 UNDERSIDE OF DECK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.  
 GAUGE POINT: (2" STANDPIPE) LOCATED 13'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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# BARGE "KIRBY 28711"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 1/2"

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	3,300.62	0	3,624.86	0	3,936.82	0	4,237.23	0		0		0		0		0		0	
1/4	3,307.49	1/4	3,631.47	1/4	3,943.19	1/4	4,243.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,314.36	1/2	3,638.08	1/2	3,949.56	1/2	4,249.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,321.22	3/4	3,644.69	3/4	3,955.94	3/4	4,255.61	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,328.09	1	3,651.29	1	3,962.31	1	4,261.74	1		1		1		1		1		1	
1/4	3,334.94	1/4	3,657.88	1/4	3,968.66	1/4	4,267.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,341.79	1/2	3,664.47	1/2	3,975.01	1/2	4,273.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,348.64	3/4	3,671.06	3/4	3,981.36	3/4	4,280.07	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,355.48	2	3,677.65	2	3,987.71	2	4,286.18	2		2		2		2		2		2	
1/4	3,362.31	1/4	3,684.22	1/4	3,994.04	1/4	4,292.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,369.14	1/2	3,690.79	1/2	4,000.36	1/2	4,298.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,375.97	3/4	3,697.36	3/4	4,006.69	3/4	4,304.44	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,382.80	3	3,703.93	3	4,013.02	3	4,310.53	3		3		3		3		3		3	
1/4	3,389.60	1/4	3,710.48	1/4	4,019.32	1/4	4,316.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,396.41	1/2	3,717.03	1/2	4,025.63	1/2	4,322.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,403.21	3/4	3,723.59	3/4	4,031.94	3/4	4,328.73	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,410.02	4	3,730.14	4	4,038.25	4	4,334.80	4		4		4		4		4		4	
1/4	3,416.80	1/4	3,736.67	1/4	4,044.54	1/4	4,340.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,423.59	1/2	3,743.20	1/2	4,050.83	1/2	4,346.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,430.37	3/4	3,749.73	3/4	4,057.12	3/4	4,352.88	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,437.16	5	3,756.26	5	4,063.41	5	4,358.90	5		5		5		5		5		5	
1/4	3,443.93	1/4	3,762.77	1/4	4,069.67	1/4	4,364.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,450.69	1/2	3,769.28	1/2	4,075.94	1/2	4,370.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,457.46	3/4	3,775.78	3/4	4,082.21	3/4	4,376.85	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,464.23	6	3,782.29	6	4,088.48	6	4,382.84	6		6		6		6		6		6	
1/4	3,470.98	1/4	3,788.78	1/4	4,094.73	1/4	4,388.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,477.73	1/2	3,795.27	1/2	4,100.97	1/2	4,394.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,484.48	3/4	3,801.76	3/4	4,107.22	3/4	4,400.74	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,491.23	7	3,808.25	7	4,113.46	7	4,406.70	7		7		7		7		7		7	
1/4	3,497.96	1/4	3,814.72	1/4	4,119.69	1/4	4,412.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,504.68	1/2	3,821.19	1/2	4,125.92	1/2	4,418.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,511.41	3/4	3,827.66	3/4	4,132.14	3/4	4,424.54	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,518.14	8	3,834.13	8	4,138.37	8	4,430.48	8		8		8		8		8		8	
1/4	3,524.85	1/4	3,840.58	1/4	4,144.58	1/4	4,436.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,531.55	1/2	3,847.03	1/2	4,150.79	1/2	4,441.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,538.26	3/4	3,853.48	3/4	4,157.00	3/4	4,447.38	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,544.96	9	3,859.93	9	4,163.20	9	4,453.01	9		9		9		9		9		9	
1/4	3,551.65	1/4	3,866.35	1/4	4,169.40	1/4	4,457.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,558.33	1/2	3,872.78	1/2	4,175.59	1/2	4,462.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,565.02	3/4	3,879.21	3/4	4,181.78	3/4	4,467.26	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,571.70	10	3,885.63	10	4,187.97	10	4,472.01	10		10		10		10		10		10	
1/4	3,578.36	1/4	3,892.04	1/4	4,194.14	1/4	4,475.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,585.02	1/2	3,898.45	1/2	4,200.31	1/2	4,479.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,591.68	3/4	3,904.86	3/4	4,206.48	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,598.34	11	3,911.26	11	4,212.65	11		11		11		11		11		11		11	
1/4	3,604.97	1/4	3,917.65	1/4	4,218.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,611.60	1/2	3,924.04	1/2	4,224.94	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,618.23	3/4	3,930.43	3/4	4,231.09	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/29/2015 SW  
CALCULATED: 09/29/2015 CL  
RINTED: 09/30/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2015

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



# BARGE "KIRBY 28711"

## 1 STBD

### INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 1/2"

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	12.56	0	332.46	0	655.03	0	986.63	0	1,318.27	0	1,648.26	0	1,980.62	0	2,312.94	0	2,645.20	0	2,977.46
1/4	17.17	1/4	339.38	1/4	661.94	1/4	993.56	1/4	1,325.06	1/4	1,655.19	1/4	1,987.55	1/4	2,319.87	1/4	2,652.12	1/4	2,984.38
1/2	21.78	1/2	346.30	1/2	668.86	1/2	1,000.48	1/2	1,331.86	1/2	1,662.11	1/2	1,994.47	1/2	2,326.79	1/2	2,659.04	1/2	2,991.30
3/4	26.39	3/4	353.22	3/4	675.77	3/4	1,007.41	3/4	1,338.65	3/4	1,669.04	3/4	2,001.39	3/4	2,333.71	3/4	2,665.97	3/4	2,998.22
1	31.00	1	360.14	1	682.69	1	1,014.33	1	1,345.44	1	1,675.96	1	2,008.32	1	2,340.63	1	2,672.89	1	3,005.14
1/4	37.30	1/4	367.06	1/4	689.59	1/4	1,021.26	1/4	1,352.23	1/4	1,682.89	1/4	2,015.24	1/4	2,347.55	1/4	2,679.81	1/4	3,012.07
1/2	43.60	1/2	373.98	1/2	696.50	1/2	1,028.18	1/2	1,359.02	1/2	1,689.81	1/2	2,022.17	1/2	2,354.48	1/2	2,686.73	1/2	3,018.99
3/4	49.89	3/4	380.90	3/4	703.40	3/4	1,035.11	3/4	1,365.81	3/4	1,696.73	3/4	2,029.09	3/4	2,361.40	3/4	2,693.65	3/4	3,025.91
2	56.19	2	387.82	2	710.31	2	1,042.03	2	1,372.60	2	1,703.66	2	2,036.01	2	2,368.32	2	2,700.58	2	3,032.83
1/4	63.04	1/4	394.74	1/4	717.21	1/4	1,048.96	1/4	1,379.39	1/4	1,710.58	1/4	2,042.94	1/4	2,375.24	1/4	2,707.50	1/4	3,039.75
1/2	69.89	1/2	401.66	1/2	724.12	1/2	1,055.88	1/2	1,386.19	1/2	1,717.51	1/2	2,049.86	1/2	2,382.16	1/2	2,714.42	1/2	3,046.68
3/4	76.75	3/4	408.58	3/4	731.02	3/4	1,062.81	3/4	1,392.98	3/4	1,724.43	3/4	2,056.79	3/4	2,389.09	3/4	2,721.34	3/4	3,053.60
3	83.60	3	415.50	3	737.93	3	1,069.73	3	1,399.77	3	1,731.35	3	2,063.71	3	2,396.01	3	2,728.26	3	3,060.52
1/4	90.48	1/4	422.18	1/4	744.83	1/4	1,076.66	1/4	1,406.57	1/4	1,738.28	1/4	2,070.64	1/4	2,402.93	1/4	2,735.19	1/4	3,067.44
1/2	97.36	1/2	428.86	1/2	751.74	1/2	1,083.59	1/2	1,413.36	1/2	1,745.20	1/2	2,077.56	1/2	2,409.85	1/2	2,742.11	1/2	3,074.36
3/4	104.25	3/4	435.54	3/4	758.64	3/4	1,090.51	3/4	1,420.16	3/4	1,752.13	3/4	2,084.48	3/4	2,416.77	3/4	2,749.03	3/4	3,081.29
4	111.13	4	442.22	4	765.55	4	1,097.44	4	1,426.95	4	1,759.05	4	2,091.41	4	2,423.70	4	2,755.95	4	3,088.21
1/4	118.03	1/4	448.66	1/4	772.45	1/4	1,104.36	1/4	1,433.81	1/4	1,765.97	1/4	2,098.33	1/4	2,430.62	1/4	2,762.87	1/4	3,095.13
1/2	124.93	1/2	455.10	1/2	779.36	1/2	1,111.29	1/2	1,440.67	1/2	1,772.90	1/2	2,105.26	1/2	2,437.54	1/2	2,769.80	1/2	3,102.05
3/4	131.83	3/4	461.54	3/4	786.26	3/4	1,118.21	3/4	1,447.53	3/4	1,779.82	3/4	2,112.18	3/4	2,444.46	3/4	2,776.72	3/4	3,108.97
5	138.73	5	467.98	5	793.17	5	1,125.14	5	1,454.39	5	1,786.75	5	2,119.10	5	2,451.38	5	2,783.64	5	3,115.90
1/4	145.64	1/4	474.42	1/4	800.07	1/4	1,132.06	1/4	1,461.31	1/4	1,793.67	1/4	2,126.03	1/4	2,458.31	1/4	2,790.56	1/4	3,122.82
1/2	152.55	1/2	480.86	1/2	806.98	1/2	1,138.99	1/2	1,468.24	1/2	1,800.60	1/2	2,132.95	1/2	2,465.23	1/2	2,797.48	1/2	3,129.74
3/4	159.46	3/4	487.30	3/4	813.88	3/4	1,145.91	3/4	1,475.16	3/4	1,807.52	3/4	2,139.88	3/4	2,472.15	3/4	2,804.41	3/4	3,136.66
6	166.37	6	493.74	6	820.79	6	1,152.84	6	1,482.09	6	1,814.44	6	2,146.80	6	2,479.07	6	2,811.33	6	3,143.58
1/4	173.29	1/4	500.18	1/4	827.69	1/4	1,159.76	1/4	1,489.01	1/4	1,821.37	1/4	2,153.72	1/4	2,485.99	1/4	2,818.25	1/4	3,150.51
1/2	180.21	1/2	506.62	1/2	834.60	1/2	1,166.69	1/2	1,495.93	1/2	1,828.29	1/2	2,160.65	1/2	2,492.92	1/2	2,825.17	1/2	3,157.43
3/4	187.13	3/4	513.06	3/4	841.50	3/4	1,173.61	3/4	1,502.86	3/4	1,835.22	3/4	2,167.57	3/4	2,499.84	3/4	2,832.09	3/4	3,164.35
7	194.05	7	519.50	7	848.41	7	1,180.54	7	1,509.78	7	1,842.14	7	2,174.50	7	2,506.76	7	2,839.02	7	3,171.27
1/4	200.97	1/4	525.94	1/4	855.31	1/4	1,187.46	1/4	1,516.71	1/4	1,849.06	1/4	2,181.42	1/4	2,513.68	1/4	2,845.94	1/4	3,178.19
1/2	207.89	1/2	532.38	1/2	862.22	1/2	1,194.39	1/2	1,523.63	1/2	1,855.99	1/2	2,188.34	1/2	2,520.60	1/2	2,852.86	1/2	3,185.12
3/4	214.81	3/4	538.82	3/4	869.12	3/4	1,201.32	3/4	1,530.56	3/4	1,862.91	3/4	2,195.27	3/4	2,527.53	3/4	2,859.78	3/4	3,192.04
8	221.73	8	545.26	8	876.03	8	1,208.24	8	1,537.48	8	1,869.84	8	2,202.19	8	2,534.45	8	2,866.70	8	3,198.96
1/4	228.65	1/4	551.94	1/4	882.93	1/4	1,215.17	1/4	1,544.40	1/4	1,876.76	1/4	2,209.11	1/4	2,541.37	1/4	2,873.63	1/4	3,205.88
1/2	235.57	1/2	558.62	1/2	889.84	1/2	1,222.09	1/2	1,551.33	1/2	1,883.68	1/2	2,216.04	1/2	2,548.29	1/2	2,880.55	1/2	3,212.80
3/4	242.49	3/4	565.29	3/4	896.74	3/4	1,229.02	3/4	1,558.25	3/4	1,890.61	3/4	2,222.96	3/4	2,555.21	3/4	2,887.47	3/4	3,219.73
9	249.41	9	571.97	9	903.65	9	1,235.94	9	1,565.18	9	1,897.53	9	2,229.88	9	2,562.14	9	2,894.39	9	3,226.65
1/4	256.33	1/4	578.90	1/4	910.55	1/4	1,242.87	1/4	1,572.10	1/4	1,904.46	1/4	2,236.80	1/4	2,569.06	1/4	2,901.31	1/4	3,233.57
1/2	263.25	1/2	585.82	1/2	917.46	1/2	1,249.79	1/2	1,579.02	1/2	1,911.38	1/2	2,243.72	1/2	2,575.98	1/2	2,908.24	1/2	3,240.49
3/4	270.17	3/4	592.74	3/4	924.36	3/4	1,256.72	3/4	1,585.95	3/4	1,918.30	3/4	2,250.65	3/4	2,582.90	3/4	2,915.16	3/4	3,247.41
10	277.09	10	599.66	10	931.27	10	1,263.64	10	1,592.87	10	1,925.23	10	2,257.57	10	2,589.82	10	2,922.08	10	3,254.34
1/4	284.01	1/4	606.58	1/4	938.18	1/4	1,270.50	1/4	1,599.80	1/4	1,932.15	1/4	2,264.49	1/4	2,596.75	1/4	2,929.00	1/4	3,261.25
1/2	290.93	1/2	613.50	1/2	945.10	1/2	1,277.37	1/2	1,606.72	1/2	1,939.08	1/2	2,271.41	1/2	2,603.67	1/2	2,935.92	1/2	3,268.17
3/4	297.85	3/4	620.42	3/4	952.01	3/4	1,284.23	3/4	1,613.64	3/4	1,946.00	3/4	2,278.33	3/4	2,610.59	3/4	2,942.85	3/4	3,275.09
11	304.77	11	627.34	11	958.93	11	1,291.09	11	1,620.57	11	1,952.93	11	2,285.26	11	2,617.51	11	2,949.77	11	3,282.00
1/4	311.69	1/4	634.26	1/4	965.86	1/4	1,297.88	1/4	1,627.49	1/4	1,959.85	1/4	2,292.18	1/4	2,624.43	1/4	2,956.69	1/4	3,288.91
1/2	318.62	1/2	641.18	1/2	972.78	1/2	1,304.68	1/2	1,634.42	1/2	1,966.77	1/2	2,299.10	1/2	2,631.36	1/2	2,963.61	1/2	3,295.81
3/4	325.54	3/4	648.11	3/4	979.71	3/4	1,311.48	3/4	1,641.34	3/4	1,973.70	3/4	2,306.02	3/4	2,638.28	3/4	2,970.53	3/4	3,302.71

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 UNDERSIDE OF DECK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.  
 GAUGE POINT: (2" STANDPIPE) LOCATED 12'-00" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "KIRBY 28711"

**1 STBD  
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 1/2"

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	3,309.62	0	3,634.65	0	3,947.40	0	4,248.62	0		0		0		0		0		0	
1/4	3,316.50	1/4	3,641.27	1/4	3,953.79	1/4	4,254.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,323.38	1/2	3,647.90	1/2	3,960.18	1/2	4,260.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,330.26	3/4	3,654.52	3/4	3,966.57	3/4	4,267.05	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,337.15	1	3,661.14	1	3,972.96	1	4,273.20	1		1		1		1		1		1	
1/4	3,344.01	1/4	3,667.75	1/4	3,979.33	1/4	4,279.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,350.88	1/2	3,674.35	1/2	3,985.69	1/2	4,285.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,357.74	3/4	3,680.96	3/4	3,992.06	3/4	4,291.58	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,364.61	2	3,687.57	2	3,998.43	2	4,297.70	2		2		2		2		2		2	
1/4	3,371.45	1/4	3,694.15	1/4	4,004.77	1/4	4,303.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,378.30	1/2	3,700.74	1/2	4,011.11	1/2	4,309.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,385.14	3/4	3,707.32	3/4	4,017.46	3/4	4,316.02	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,391.98	3	3,713.91	3	4,023.80	3	4,322.13	3		3		3		3		3		3	
1/4	3,398.81	1/4	3,720.48	1/4	4,030.13	1/4	4,328.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,405.63	1/2	3,727.05	1/2	4,036.45	1/2	4,334.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,412.45	3/4	3,733.62	3/4	4,042.77	3/4	4,340.38	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,419.27	4	3,740.19	4	4,049.10	4	4,346.46	4		4		4		4		4		4	
1/4	3,426.07	1/4	3,746.73	1/4	4,055.41	1/4	4,352.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,432.88	1/2	3,753.28	1/2	4,061.71	1/2	4,358.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,439.68	3/4	3,759.83	3/4	4,068.02	3/4	4,364.59	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,446.48	5	3,766.38	5	4,074.32	5	4,370.63	5		5		5		5		5		5	
1/4	3,453.26	1/4	3,772.90	1/4	4,080.61	1/4	4,376.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,460.05	1/2	3,779.43	1/2	4,086.90	1/2	4,382.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,466.83	3/4	3,785.95	3/4	4,093.18	3/4	4,388.63	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,473.62	6	3,792.48	6	4,099.47	6	4,394.63	6		6		6		6		6		6	
1/4	3,480.38	1/4	3,798.98	1/4	4,105.73	1/4	4,400.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,487.15	1/2	3,805.49	1/2	4,111.99	1/2	4,406.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,493.91	3/4	3,811.99	3/4	4,118.26	3/4	4,412.58	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,500.68	7	3,818.50	7	4,124.52	7	4,418.57	7		7		7		7		7		7	
1/4	3,507.42	1/4	3,824.98	1/4	4,130.76	1/4	4,424.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,514.17	1/2	3,831.47	1/2	4,137.01	1/2	4,430.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,520.91	3/4	3,837.96	3/4	4,143.25	3/4	4,436.45	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,527.66	8	3,844.44	8	4,149.49	8	4,442.42	8		8		8		8		8		8	
1/4	3,534.38	1/4	3,850.91	1/4	4,155.72	1/4	4,448.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,541.10	1/2	3,857.38	1/2	4,161.94	1/2	4,453.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,547.82	3/4	3,863.84	3/4	4,168.17	3/4	4,459.36	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,554.55	9	3,870.31	9	4,174.39	9	4,465.01	9		9		9		9		9		9	
1/4	3,561.25	1/4	3,876.75	1/4	4,180.60	1/4	4,469.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,567.95	1/2	3,883.20	1/2	4,186.81	1/2	4,474.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,574.65	3/4	3,889.64	3/4	4,193.02	3/4	4,479.31	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,581.36	10	3,896.08	10	4,199.23	10	4,484.07	10		10		10		10		10		10	
1/4	3,588.03	1/4	3,902.51	1/4	4,205.41	1/4	4,487.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,594.71	1/2	3,908.93	1/2	4,211.60	1/2	4,491.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,601.38	3/4	3,915.36	3/4	4,217.78	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,608.06	11	3,921.78	11	4,223.97	11		11		11		11		11		11		11	
1/4	3,614.71	1/4	3,928.19	1/4	4,230.13	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,621.35	1/2	3,934.59	1/2	4,236.30	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,628.00	3/4	3,941.00	3/4	4,242.46	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/29/2015 SW  
CALCULATED: 09/29/2015 CL  
RINTED: 09/30/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2015

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



# BARGE "KIRBY 28711"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 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.
0.00	14.47	0.00	387.50	0.00	765.27	0	1,134.87	0	1,520.74	0	1,905.17	0	2,292.75	0	2,680.28	0.00	3,067.73	0.00	3,455.18
1/4	19.85	1/4	395.57	1/4	773.15	1/4	1,142.78	1/4	1,528.64	1/4	1,913.25	1/4	2,300.82	1/4	2,688.35	1/4	3,075.80	1/4	3,463.25
1/2	25.22	1/2	403.64	1/2	781.03	1/2	1,150.68	1/2	1,536.54	1/2	1,921.32	1/2	2,308.89	1/2	2,696.42	1/2	3,083.87	1/2	3,471.32
3/4	30.60	3/4	411.71	3/4	788.90	3/4	1,158.58	3/4	1,544.44	3/4	1,929.40	3/4	2,316.97	3/4	2,704.49	3/4	3,091.94	3/4	3,479.39
1.00	35.98	1.00	419.78	1.00	796.78	1	1,166.48	1	1,552.34	1	1,937.47	1	2,325.04	1	2,712.56	1.00	3,100.02	1.00	3,487.47
1/4	43.32	1/4	427.85	1/4	804.45	1/4	1,174.55	1/4	1,560.24	1/4	1,945.55	1/4	2,333.12	1/4	2,720.64	1/4	3,108.09	1/4	3,495.54
1/2	50.66	1/2	435.92	1/2	812.13	1/2	1,182.63	1/2	1,568.13	1/2	1,953.62	1/2	2,341.19	1/2	2,728.71	1/2	3,116.16	1/2	3,503.61
3/4	58.01	3/4	443.99	3/4	819.81	3/4	1,190.70	3/4	1,576.03	3/4	1,961.70	3/4	2,349.27	3/4	2,736.78	3/4	3,124.23	3/4	3,511.68
2.00	65.35	2.00	452.06	2.00	827.49	2	1,198.78	2	1,583.93	2	1,969.77	2	2,357.34	2	2,744.85	2.00	3,132.30	2.00	3,519.75
1/4	73.34	1/4	460.13	1/4	835.16	1/4	1,206.85	1/4	1,591.83	1/4	1,977.84	1/4	2,365.42	1/4	2,752.92	1/4	3,140.37	1/4	3,527.83
1/2	81.33	1/2	468.20	1/2	842.84	1/2	1,214.93	1/2	1,599.73	1/2	1,985.92	1/2	2,373.49	1/2	2,761.00	1/2	3,148.45	1/2	3,535.90
3/4	89.32	3/4	476.27	3/4	850.52	3/4	1,223.00	3/4	1,607.63	3/4	1,993.99	3/4	2,381.56	3/4	2,769.07	3/4	3,156.52	3/4	3,543.97
3.00	97.31	3.00	484.34	3.00	858.20	3	1,231.08	3	1,615.53	3	2,002.07	3	2,389.64	3	2,777.14	3.00	3,164.59	3.00	3,552.04
1/4	105.34	1/4	492.17	1/4	865.87	1/4	1,239.15	1/4	1,623.43	1/4	2,010.14	1/4	2,397.71	1/4	2,785.21	1/4	3,172.66	1/4	3,560.11
1/2	113.36	1/2	500.00	1/2	873.55	1/2	1,247.23	1/2	1,631.33	1/2	2,018.22	1/2	2,405.79	1/2	2,793.28	1/2	3,180.73	1/2	3,568.19
3/4	121.39	3/4	507.83	3/4	881.23	3/4	1,255.30	3/4	1,639.24	3/4	2,026.29	3/4	2,413.86	3/4	2,801.35	3/4	3,188.81	3/4	3,576.26
4.00	129.41	4.00	515.66	4.00	888.91	4	1,263.38	4	1,647.14	4	2,034.36	4	2,421.94	4	2,809.43	4.00	3,196.88	4.00	3,584.33
1/4	137.46	1/4	523.25	1/4	896.58	1/4	1,271.45	1/4	1,655.13	1/4	2,042.44	1/4	2,430.01	1/4	2,817.50	1/4	3,204.95	1/4	3,592.40
1/2	145.51	1/2	530.84	1/2	904.26	1/2	1,279.53	1/2	1,663.11	1/2	2,050.51	1/2	2,438.08	1/2	2,825.57	1/2	3,213.02	1/2	3,600.47
3/4	153.55	3/4	538.43	3/4	911.94	3/4	1,287.60	3/4	1,671.10	3/4	2,058.59	3/4	2,446.16	3/4	2,833.64	3/4	3,221.09	3/4	3,608.54
5.00	161.60	5.00	546.02	5.00	919.61	5	1,295.67	5	1,679.09	5	2,066.66	5	2,454.23	5	2,841.71	5.00	3,229.17	5.00	3,616.62
1/4	169.66	1/4	553.61	1/4	927.29	1/4	1,303.75	1/4	1,687.17	1/4	2,074.74	1/4	2,462.31	1/4	2,849.79	1/4	3,237.24	1/4	3,624.69
1/2	177.72	1/2	561.20	1/2	934.97	1/2	1,311.82	1/2	1,695.24	1/2	2,082.81	1/2	2,470.38	1/2	2,857.86	1/2	3,245.31	1/2	3,632.76
3/4	185.78	3/4	568.79	3/4	942.65	3/4	1,319.90	3/4	1,703.31	3/4	2,090.89	3/4	2,478.46	3/4	2,865.93	3/4	3,253.38	3/4	3,640.83
6.00	193.84	6.00	576.38	6.00	950.32	6	1,327.97	6	1,711.39	6	2,098.96	6	2,486.53	6	2,874.00	6.00	3,261.45	6.00	3,648.90
1/4	201.90	1/4	583.98	1/4	958.00	1/4	1,336.05	1/4	1,719.46	1/4	2,107.03	1/4	2,494.61	1/4	2,882.07	1/4	3,269.53	1/4	3,656.98
1/2	209.97	1/2	591.57	1/2	965.68	1/2	1,344.12	1/2	1,727.54	1/2	2,115.11	1/2	2,502.68	1/2	2,890.15	1/2	3,277.60	1/2	3,665.05
3/4	218.04	3/4	599.16	3/4	973.36	3/4	1,352.20	3/4	1,735.61	3/4	2,123.18	3/4	2,510.75	3/4	2,898.22	3/4	3,285.67	3/4	3,673.12
7.00	226.10	7.00	606.75	7.00	981.03	7	1,360.27	7	1,743.69	7	2,131.26	7	2,518.83	7	2,906.29	7.00	3,293.74	7.00	3,681.19
1/4	234.17	1/4	614.34	1/4	988.71	1/4	1,368.35	1/4	1,751.76	1/4	2,139.33	1/4	2,526.90	1/4	2,914.36	1/4	3,301.81	1/4	3,689.26
1/2	242.24	1/2	621.93	1/2	996.39	1/2	1,376.42	1/2	1,759.84	1/2	2,147.41	1/2	2,534.98	1/2	2,922.43	1/2	3,309.88	1/2	3,697.34
3/4	250.31	3/4	629.52	3/4	1,004.06	3/4	1,384.50	3/4	1,767.91	3/4	2,155.48	3/4	2,543.05	3/4	2,930.51	3/4	3,317.96	3/4	3,705.41
8.00	258.38	8.00	637.11	8.00	1,011.74	8	1,392.57	8	1,775.98	8	2,163.56	8	2,551.13	8	2,938.58	8.00	3,326.03	8.00	3,713.48
1/4	266.45	1/4	644.94	1/4	1,019.42	1/4	1,400.65	1/4	1,784.06	1/4	2,171.63	1/4	2,559.20	1/4	2,946.65	1/4	3,334.10	1/4	3,721.55
1/2	274.52	1/2	652.77	1/2	1,027.10	1/2	1,408.72	1/2	1,792.13	1/2	2,179.70	1/2	2,567.27	1/2	2,954.72	1/2	3,342.17	1/2	3,729.62
3/4	282.59	3/4	660.60	3/4	1,034.77	3/4	1,416.80	3/4	1,800.21	3/4	2,187.78	3/4	2,575.34	3/4	2,962.79	3/4	3,350.24	3/4	3,737.70
9.00	290.66	9.00	668.43	9.00	1,042.45	9	1,424.87	9	1,808.28	9	2,195.85	9	2,583.41	9	2,970.86	9.00	3,358.32	9.00	3,745.77
1/4	298.73	1/4	676.50	1/4	1,050.13	1/4	1,432.95	1/4	1,816.36	1/4	2,203.93	1/4	2,591.49	1/4	2,978.94	1/4	3,366.39	1/4	3,753.84
1/2	306.80	1/2	684.57	1/2	1,057.81	1/2	1,441.02	1/2	1,824.43	1/2	2,212.00	1/2	2,599.56	1/2	2,987.01	1/2	3,374.46	1/2	3,761.91
3/4	314.87	3/4	692.64	3/4	1,065.48	3/4	1,449.10	3/4	1,832.50	3/4	2,220.08	3/4	2,607.63	3/4	2,995.08	3/4	3,382.53	3/4	3,769.98
10.00	322.94	10.00	700.71	10.00	1,073.16	10	1,457.17	10	1,840.58	10	2,228.15	10	2,615.70	10	3,003.15	10.00	3,390.60	10.00	3,778.05
1/4	331.01	1/4	708.78	1/4	1,080.86	1/4	1,465.16	1/4	1,848.65	1/4	2,236.22	1/4	2,623.77	1/4	3,011.22	1/4	3,398.68	1/4	3,786.12
1/2	339.08	1/2	716.85	1/2	1,088.56	1/2	1,473.15	1/2	1,856.73	1/2	2,244.30	1/2	2,631.85	1/2	3,019.30	1/2	3,406.75	1/2	3,794.19
3/4	347.15	3/4	724.92	3/4	1,096.26	3/4	1,481.14	3/4	1,864.80	3/4	2,252.37	3/4	2,639.92	3/4	3,027.37	3/4	3,414.82	3/4	3,802.26
11.00	355.22	11.00	732.99	11.00	1,103.97	11	1,489.13	11	1,872.88	11	2,260.45	11	2,647.99	11	3,035.44	11.00	3,422.89	11.00	3,810.32
1/4	363.29	1/4	741.06	1/4	1,111.69	1/4	1,497.03	1/4	1,880.95	1/4	2,268.52	1/4	2,656.06	1/4	3,043.51	1/4	3,430.96	1/4	3,818.37
1/2	371.36	1/2	749.13	1/2	1,119.42	1/2	1,504.93	1/2	1,889.03	1/2	2,276.60	1/2	2,664.13	1/2	3,051.58	1/2	3,439.03	1/2	3,826.42
3/4	379.43	3/4	757.20	3/4	1,127.15	3/4	1,512.84	3/4	1,897.10	3/4	2,284.67	3/4	2,672.20	3/4	3,059.66	3/4	3,447.11	3/4	3,834.47

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 UNDERSIDE OF DECK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.  
 GAUGE POINT: (2" STANDPIPE) LOCATED 13'-00" OFF CENTERLINE AND 48'-03" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 28711"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 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	3,842.52	0	4,221.55	0	4,586.25	0	4,937.50	0		0		0		0		0		0	
1/4	3,850.55	1/4	4,229.27	1/4	4,593.70	1/4	4,944.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,858.57	1/2	4,237.00	1/2	4,601.15	1/2	4,951.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,866.60	3/4	4,244.72	3/4	4,608.60	3/4	4,958.99	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,874.63	1	4,252.45	1	4,616.05	1	4,966.15	1		1		1		1		1		1	
1/4	3,882.63	1/4	4,260.15	1/4	4,623.47	1/4	4,973.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,890.64	1/2	4,267.85	1/2	4,630.90	1/2	4,980.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,898.64	3/4	4,275.55	3/4	4,638.32	3/4	4,987.58	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,906.65	2	4,283.26	2	4,645.75	2	4,994.73	2		2		2		2		2		2	
1/4	3,914.63	1/4	4,290.94	1/4	4,653.14	1/4	5,001.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,922.61	1/2	4,298.62	1/2	4,660.54	1/2	5,008.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,930.59	3/4	4,306.30	3/4	4,667.94	3/4	5,016.09	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,938.57	3	4,313.98	3	4,675.34	3	5,023.21	3		3		3		3		3		3	
1/4	3,946.53	1/4	4,321.64	1/4	4,682.71	1/4	5,030.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,954.48	1/2	4,329.30	1/2	4,690.08	1/2	5,037.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,962.44	3/4	4,336.96	3/4	4,697.46	3/4	5,044.49	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,970.39	4	4,344.62	4	4,704.83	4	5,051.58	4		4		4		4		4		4	
1/4	3,978.33	1/4	4,352.25	1/4	4,712.19	1/4	5,058.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,986.26	1/2	4,359.89	1/2	4,719.54	1/2	5,065.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,994.19	3/4	4,367.52	3/4	4,726.90	3/4	5,072.71	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,002.12	5	4,375.16	5	4,734.25	5	5,079.76	5		5		5		5		5		5	
1/4	4,010.03	1/4	4,382.77	1/4	4,741.58	1/4	5,086.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,017.95	1/2	4,390.37	1/2	4,748.91	1/2	5,093.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,025.86	3/4	4,397.98	3/4	4,756.24	3/4	5,100.73	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,033.77	6	4,405.59	6	4,763.57	6	5,107.73	6		6		6		6		6		6	
1/4	4,041.66	1/4	4,413.18	1/4	4,770.87	1/4	5,114.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,049.55	1/2	4,420.76	1/2	4,778.17	1/2	5,121.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,057.44	3/4	4,428.35	3/4	4,785.48	3/4	5,128.65	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,065.33	7	4,435.93	7	4,792.78	7	5,135.62	7		7		7		7		7		7	
1/4	4,073.19	1/4	4,443.50	1/4	4,800.06	1/4	5,142.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,081.06	1/2	4,451.06	1/2	4,807.34	1/2	5,149.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,088.92	3/4	4,458.63	3/4	4,814.62	3/4	5,156.46	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,096.79	8	4,466.19	8	4,821.90	8	5,163.41	8		8		8		8		8		8	
1/4	4,104.63	1/4	4,473.73	1/4	4,829.16	1/4	5,169.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,112.46	1/2	4,481.27	1/2	4,836.42	1/2	5,176.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,120.30	3/4	4,488.81	3/4	4,843.68	3/4	5,183.16	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,128.14	9	4,496.35	9	4,850.94	9	5,189.74	9		9		9		9		9		9	
1/4	4,135.96	1/4	4,503.86	1/4	4,858.18	1/4	5,195.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,143.77	1/2	4,511.38	1/2	4,865.42	1/2	5,200.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,151.59	3/4	4,518.89	3/4	4,872.66	3/4	5,206.40	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,159.40	10	4,526.41	10	4,879.90	10	5,211.95	10		10		10		10		10		10	
1/4	4,167.19	1/4	4,533.90	1/4	4,887.11	1/4	5,216.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,174.97	1/2	4,541.39	1/2	4,894.32	1/2	5,220.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,182.76	3/4	4,548.88	3/4	4,901.54	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,190.54	11	4,556.37	11	4,908.75	11		11		11		11		11		11		11	
1/4	4,198.30	1/4	4,563.84	1/4	4,915.94	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,206.05	1/2	4,571.31	1/2	4,923.12	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,213.80	3/4	4,578.78	3/4	4,930.31	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/29/2015 SW  
CALCULATED: 09/29/2015 CL  
RINTED: 09/30/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2015

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



# BARGE "KIRBY 28711"

2 STBD

## INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 1/2"

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.
0.00	14.49	0.00	387.85	0.00	765.93	0	1,153.05	0	1,540.99	0	1,928.52	0	2,312.65	0	2,700.53	0.00	3,088.33	0.00	3,476.13
1/4	19.87	1/4	395.93	1/4	774.01	1/4	1,161.14	1/4	1,549.07	1/4	1,936.43	1/4	2,320.73	1/4	2,708.61	1/4	3,096.41	1/4	3,484.21
1/2	25.25	1/2	404.00	1/2	782.08	1/2	1,169.22	1/2	1,557.15	1/2	1,944.34	1/2	2,328.81	1/2	2,716.69	1/2	3,104.49	1/2	3,492.29
3/4	30.63	3/4	412.08	3/4	790.15	3/4	1,177.30	3/4	1,565.23	3/4	1,952.25	3/4	2,336.89	3/4	2,724.77	3/4	3,112.57	3/4	3,500.37
1.00	36.01	1.00	420.16	1.00	798.22	1	1,185.38	1	1,573.31	1	1,960.16	1	2,344.97	1	2,732.85	1.00	3,120.65	1.00	3,508.45
1/4	43.36	1/4	428.24	1/4	806.28	1/4	1,193.46	1/4	1,581.39	1/4	1,968.07	1/4	2,353.05	1/4	2,740.93	1/4	3,128.73	1/4	3,516.53
1/2	50.71	1/2	436.31	1/2	814.34	1/2	1,201.55	1/2	1,589.46	1/2	1,975.98	1/2	2,361.14	1/2	2,749.00	1/2	3,136.81	1/2	3,524.61
3/4	58.06	3/4	444.39	3/4	822.41	3/4	1,209.63	3/4	1,597.54	3/4	1,983.89	3/4	2,369.22	3/4	2,757.08	3/4	3,144.89	3/4	3,532.69
2.00	65.41	2.00	452.47	2.00	830.47	2	1,217.71	2	1,605.62	2	1,991.80	2	2,377.30	2	2,765.16	2.00	3,152.96	2.00	3,540.77
1/4	73.41	1/4	460.54	1/4	838.53	1/4	1,225.79	1/4	1,613.69	1/4	1,999.71	1/4	2,385.38	1/4	2,773.24	1/4	3,161.04	1/4	3,548.85
1/2	81.41	1/2	468.62	1/2	846.59	1/2	1,233.87	1/2	1,621.77	1/2	2,007.62	1/2	2,393.46	1/2	2,781.32	1/2	3,169.12	1/2	3,556.92
3/4	89.40	3/4	476.70	3/4	854.65	3/4	1,241.96	3/4	1,629.85	3/4	2,015.53	3/4	2,401.54	3/4	2,789.40	3/4	3,177.20	3/4	3,565.00
3.00	97.40	3.00	484.78	3.00	862.71	3	1,250.04	3	1,637.93	3	2,023.43	3	2,409.63	3	2,797.48	3.00	3,185.28	3.00	3,573.08
1/4	105.43	1/4	492.61	1/4	870.78	1/4	1,258.12	1/4	1,646.01	1/4	2,031.34	1/4	2,417.71	1/4	2,805.56	1/4	3,193.36	1/4	3,581.16
1/2	113.46	1/2	500.45	1/2	878.84	1/2	1,266.20	1/2	1,654.10	1/2	2,039.25	1/2	2,425.79	1/2	2,813.64	1/2	3,201.44	1/2	3,589.24
3/4	121.50	3/4	508.29	3/4	886.90	3/4	1,274.28	3/4	1,662.18	3/4	2,047.16	3/4	2,433.87	3/4	2,821.72	3/4	3,209.52	3/4	3,597.32
4.00	129.53	4.00	516.12	4.00	894.96	4	1,282.37	4	1,670.26	4	2,055.07	4	2,441.95	4	2,829.80	4.00	3,217.60	4.00	3,605.40
1/4	137.58	1/4	523.72	1/4	903.02	1/4	1,290.45	1/4	1,678.34	1/4	2,062.98	1/4	2,450.03	1/4	2,837.88	1/4	3,225.68	1/4	3,613.48
1/2	145.64	1/2	531.31	1/2	911.08	1/2	1,298.53	1/2	1,686.42	1/2	2,070.89	1/2	2,458.12	1/2	2,845.96	1/2	3,233.76	1/2	3,621.56
3/4	153.69	3/4	538.91	3/4	919.14	3/4	1,306.61	3/4	1,694.50	3/4	2,078.80	3/4	2,466.20	3/4	2,854.03	3/4	3,241.84	3/4	3,629.64
5.00	161.74	5.00	546.51	5.00	927.21	5	1,314.69	5	1,702.58	5	2,086.71	5	2,474.28	5	2,862.11	5.00	3,249.92	5.00	3,637.72
1/4	169.81	1/4	554.10	1/4	935.27	1/4	1,322.78	1/4	1,710.67	1/4	2,094.70	1/4	2,482.36	1/4	2,870.19	1/4	3,257.99	1/4	3,645.80
1/2	177.88	1/2	561.70	1/2	943.33	1/2	1,330.86	1/2	1,718.75	1/2	2,102.70	1/2	2,490.44	1/2	2,878.27	1/2	3,266.07	1/2	3,653.88
3/4	185.94	3/4	569.29	3/4	951.39	3/4	1,338.94	3/4	1,726.83	3/4	2,110.69	3/4	2,498.52	3/4	2,886.35	3/4	3,274.15	3/4	3,661.95
6.00	194.01	6.00	576.89	6.00	959.45	6	1,347.02	6	1,734.91	6	2,118.69	6	2,506.60	6	2,894.43	6.00	3,282.23	6.00	3,670.03
1/4	202.08	1/4	584.48	1/4	967.51	1/4	1,355.10	1/4	1,742.99	1/4	2,126.77	1/4	2,514.69	1/4	2,902.51	1/4	3,290.31	1/4	3,678.11
1/2	210.16	1/2	592.08	1/2	975.58	1/2	1,363.19	1/2	1,751.07	1/2	2,134.85	1/2	2,522.77	1/2	2,910.59	1/2	3,298.39	1/2	3,686.19
3/4	218.23	3/4	599.68	3/4	983.64	3/4	1,371.27	3/4	1,759.16	3/4	2,142.93	3/4	2,530.85	3/4	2,918.67	3/4	3,306.47	3/4	3,694.27
7.00	226.31	7.00	607.27	7.00	991.70	7	1,379.35	7	1,767.24	7	2,151.01	7	2,538.93	7	2,926.75	7.00	3,314.55	7.00	3,702.35
1/4	234.38	1/4	614.87	1/4	999.76	1/4	1,387.43	1/4	1,775.32	1/4	2,159.10	1/4	2,547.01	1/4	2,934.83	1/4	3,322.63	1/4	3,710.43
1/2	242.46	1/2	622.46	1/2	1,007.82	1/2	1,395.51	1/2	1,783.40	1/2	2,167.18	1/2	2,555.09	1/2	2,942.91	1/2	3,330.71	1/2	3,718.51
3/4	250.54	3/4	630.06	3/4	1,015.88	3/4	1,403.60	3/4	1,791.48	3/4	2,175.26	3/4	2,563.18	3/4	2,950.98	3/4	3,338.79	3/4	3,726.59
8.00	258.61	8.00	637.66	8.00	1,023.95	8	1,411.68	8	1,799.56	8	2,183.34	8	2,571.26	8	2,959.06	8.00	3,346.87	8.00	3,734.67
1/4	266.69	1/4	645.49	1/4	1,032.01	1/4	1,419.76	1/4	1,807.65	1/4	2,191.42	1/4	2,579.34	1/4	2,967.14	1/4	3,354.94	1/4	3,742.75
1/2	274.77	1/2	653.33	1/2	1,040.07	1/2	1,427.84	1/2	1,815.73	1/2	2,199.50	1/2	2,587.42	1/2	2,975.22	1/2	3,363.02	1/2	3,750.83
3/4	282.85	3/4	661.16	3/4	1,048.13	3/4	1,435.92	3/4	1,823.81	3/4	2,207.59	3/4	2,595.50	3/4	2,983.30	3/4	3,371.10	3/4	3,758.90
9.00	290.92	9.00	669.00	9.00	1,056.19	9	1,444.01	9	1,831.89	9	2,215.67	9	2,603.58	9	2,991.38	9.00	3,379.18	9.00	3,766.98
1/4	299.00	1/4	677.08	1/4	1,064.25	1/4	1,452.09	1/4	1,839.97	1/4	2,223.75	1/4	2,611.66	1/4	2,999.46	1/4	3,387.26	1/4	3,775.06
1/2	307.08	1/2	685.15	1/2	1,072.32	1/2	1,460.17	1/2	1,848.05	1/2	2,231.83	1/2	2,619.74	1/2	3,007.54	1/2	3,395.34	1/2	3,783.14
3/4	315.15	3/4	693.23	3/4	1,080.38	3/4	1,468.25	3/4	1,856.14	3/4	2,239.91	3/4	2,627.82	3/4	3,015.62	3/4	3,403.42	3/4	3,791.22
10.00	323.23	10.00	701.31	10.00	1,088.44	10	1,476.33	10	1,864.22	10	2,247.99	10	2,635.90	10	3,023.70	10.00	3,411.50	10.00	3,799.30
1/4	331.31	1/4	709.39	1/4	1,096.51	1/4	1,484.42	1/4	1,872.30	1/4	2,256.08	1/4	2,643.98	1/4	3,031.78	1/4	3,419.58	1/4	3,807.37
1/2	339.39	1/2	717.46	1/2	1,104.58	1/2	1,492.50	1/2	1,880.38	1/2	2,264.16	1/2	2,652.05	1/2	3,039.86	1/2	3,427.66	1/2	3,815.45
3/4	347.46	3/4	725.54	3/4	1,112.65	3/4	1,500.58	3/4	1,888.46	3/4	2,272.24	3/4	2,660.13	3/4	3,047.94	3/4	3,435.74	3/4	3,823.52
11.00	355.54	11.00	733.62	11.00	1,120.73	11	1,508.66	11	1,896.54	11	2,280.32	11	2,668.21	11	3,056.01	11.00	3,443.82	11.00	3,831.59
1/4	363.62	1/4	741.70	1/4	1,128.81	1/4	1,516.74	1/4	1,904.54	1/4	2,288.40	1/4	2,676.29	1/4	3,064.09	1/4	3,451.90	1/4	3,839.65
1/2	371.69	1/2	749.77	1/2	1,136.89	1/2	1,524.83	1/2	1,912.53	1/2	2,296.48	1/2	2,684.37	1/2	3,072.17	1/2	3,459.97	1/2	3,847.70
3/4	379.77	3/4	757.85	3/4	1,144.97	3/4	1,532.91	3/4	1,920.53	3/4	2,304.56	3/4	2,692.45	3/4	3,080.25	3/4	3,468.05	3/4	3,855.76

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 UNDERSIDE OF DECK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.  
 GAUGE POINT: (2" STANDPIPE) LOCATED 12'-00" OFF CENTERLINE AND 48'-03" FORWARD OF AFT BULKHEAD.

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







# BARGE "KIRBY 28711"

**2 STBD  
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 1/2"

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	3,863.82	0	4,243.16	0	4,608.13	0	4,959.58	0		0		0		0		0		0	
1/4	3,871.85	1/4	4,250.89	1/4	4,615.58	1/4	4,966.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,879.88	1/2	4,258.62	1/2	4,623.03	1/2	4,973.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,887.92	3/4	4,266.35	3/4	4,630.49	3/4	4,981.09	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,895.95	1	4,274.08	1	4,637.94	1	4,988.26	1		1		1		1		1		1	
1/4	3,903.96	1/4	4,281.79	1/4	4,645.37	1/4	4,995.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,911.98	1/2	4,289.50	1/2	4,652.80	1/2	5,002.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,919.99	3/4	4,297.21	3/4	4,660.23	3/4	5,009.70	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,928.00	2	4,304.91	2	4,667.66	2	5,016.85	2		2		2		2		2		2	
1/4	3,935.99	1/4	4,312.60	1/4	4,675.06	1/4	5,023.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,943.98	1/2	4,320.29	1/2	4,682.46	1/2	5,031.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,951.96	3/4	4,327.97	3/4	4,689.87	3/4	5,038.22	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,959.95	3	4,335.66	3	4,697.27	3	5,045.34	3		3		3		3		3		3	
1/4	3,967.91	1/4	4,343.32	1/4	4,704.65	1/4	5,052.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,975.88	1/2	4,350.99	1/2	4,712.03	1/2	5,059.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,983.84	3/4	4,358.66	3/4	4,719.41	3/4	5,066.64	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,991.80	4	4,366.32	4	4,726.79	4	5,073.73	4		4		4		4		4		4	
1/4	3,999.74	1/4	4,373.96	1/4	4,734.14	1/4	5,080.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,007.68	1/2	4,381.60	1/2	4,741.50	1/2	5,087.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,015.62	3/4	4,389.24	3/4	4,748.86	3/4	5,094.87	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,023.56	5	4,396.88	5	4,756.22	5	5,101.92	5		5		5		5		5		5	
1/4	4,031.47	1/4	4,404.50	1/4	4,763.55	1/4	5,108.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,039.39	1/2	4,412.11	1/2	4,770.89	1/2	5,115.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,047.31	3/4	4,419.73	3/4	4,778.22	3/4	5,122.91	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,055.23	6	4,427.34	6	4,785.56	6	5,129.90	6		6		6		6		6		6	
1/4	4,063.12	1/4	4,434.93	1/4	4,792.86	1/4	5,136.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,071.02	1/2	4,442.52	1/2	4,800.17	1/2	5,143.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,078.92	3/4	4,450.11	3/4	4,807.48	3/4	5,150.83	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,086.81	7	4,457.70	7	4,814.79	7	5,157.81	7		7		7		7		7		7	
1/4	4,094.68	1/4	4,465.27	1/4	4,822.07	1/4	5,164.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,102.56	1/2	4,472.84	1/2	4,829.36	1/2	5,171.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,110.43	3/4	4,480.41	3/4	4,836.64	3/4	5,178.66	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,118.30	8	4,487.98	8	4,843.93	8	5,185.61	8		8		8		8		8		8	
1/4	4,126.14	1/4	4,495.53	1/4	4,851.19	1/4	5,192.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,133.99	1/2	4,503.07	1/2	4,858.45	1/2	5,198.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,141.83	3/4	4,510.62	3/4	4,865.72	3/4	5,205.37	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,149.68	9	4,518.16	9	4,872.98	9	5,211.96	9		9		9		9		9		9	
1/4	4,157.50	1/4	4,525.68	1/4	4,880.22	1/4	5,217.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,165.32	1/2	4,533.20	1/2	4,887.47	1/2	5,223.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,173.14	3/4	4,540.72	3/4	4,894.71	3/4	5,228.62	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,180.97	10	4,548.24	10	4,901.95	10	5,234.17	10		10		10		10		10		10	
1/4	4,188.76	1/4	4,555.74	1/4	4,909.17	1/4	5,238.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,196.55	1/2	4,563.23	1/2	4,916.39	1/2	5,242.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,204.34	3/4	4,570.73	3/4	4,923.61	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,212.13	11	4,578.23	11	4,930.82	11		11		11		11		11		11		11	
1/4	4,219.89	1/4	4,585.70	1/4	4,938.01	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,227.65	1/2	4,593.18	1/2	4,945.20	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,235.40	3/4	4,600.65	3/4	4,952.39	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/29/2015 SW  
CALCULATED: 09/29/2015 CL  
RINTED: 09/30/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2015

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



# BARGE "KIRBY 28711"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-01 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.
0.00	17.80	0.00	375.16	0.00	721.75	0	1,070.26	0	1,425.71	0	1,783.54	0	2,143.20	0	2,502.74	0.00	2,862.30	0.00	3,164.17
1/4	24.64	1/4	382.18	1/4	728.93	1/4	1,077.76	1/4	1,433.21	1/4	1,790.99	1/4	2,150.69	1/4	2,510.23	1/4	2,869.79	1/4	3,168.78
1/2	31.49	1/2	389.20	1/2	736.11	1/2	1,085.25	1/2	1,440.71	1/2	1,798.44	1/2	2,158.17	1/2	2,517.72	1/2	2,877.29	1/2	3,173.38
3/4	38.33	3/4	396.22	3/4	743.29	3/4	1,092.75	3/4	1,448.20	3/4	1,805.89	3/4	2,165.66	3/4	2,525.21	3/4	2,884.78	3/4	3,177.99
1.00	45.18	1.00	403.24	1.00	750.47	1	1,100.25	1	1,455.70	1	1,813.35	1	2,173.15	1	2,532.70	1.00	2,892.27	1.00	3,182.59
1/4	52.67	1/4	410.26	1/4	757.64	1/4	1,107.57	1/4	1,463.15	1/4	1,820.85	1/4	2,180.65	1/4	2,540.19	1/4	2,899.76	1/4	3,187.21
1/2	60.15	1/2	417.28	1/2	764.82	1/2	1,114.88	1/2	1,470.60	1/2	1,828.35	1/2	2,188.14	1/2	2,547.68	1/2	2,907.25	1/2	3,191.82
3/4	67.64	3/4	424.30	3/4	772.00	3/4	1,122.20	3/4	1,478.05	3/4	1,835.85	3/4	2,195.63	3/4	2,555.17	3/4	2,914.74	3/4	3,196.44
2.00	75.13	2.00	431.32	2.00	779.18	2	1,129.51	2	1,485.50	2	1,843.35	2	2,203.12	2	2,562.66	2.00	2,922.23	2.00	3,201.05
1/4	82.62	1/4	438.34	1/4	786.36	1/4	1,136.83	1/4	1,492.95	1/4	1,850.85	1/4	2,210.61	1/4	2,570.15	1/4	2,929.72	1/4	3,205.67
1/2	90.12	1/2	445.36	1/2	793.54	1/2	1,144.15	1/2	1,500.40	1/2	1,858.36	1/2	2,218.11	1/2	2,577.65	1/2	2,937.21	1/2	3,210.28
3/4	97.62	3/4	452.38	3/4	800.72	3/4	1,151.46	3/4	1,507.85	3/4	1,865.86	3/4	2,225.60	3/4	2,585.14	3/4	2,944.70	3/4	3,214.90
3.00	105.11	3.00	459.40	3.00	807.90	3	1,158.78	3	1,515.31	3	1,873.36	3	2,233.09	3	2,592.63	3.00	2,952.20	3.00	3,219.51
1/4	112.61	1/4	466.42	1/4	815.08	1/4	1,166.09	1/4	1,522.76	1/4	1,880.86	1/4	2,240.58	1/4	2,600.12	1/4	2,959.69	1/4	3,224.13
1/2	120.11	1/2	473.44	1/2	822.26	1/2	1,173.41	1/2	1,530.21	1/2	1,888.36	1/2	2,248.06	1/2	2,607.61	1/2	2,967.18	1/2	3,228.74
3/4	127.61	3/4	480.46	3/4	829.43	3/4	1,180.73	3/4	1,537.66	3/4	1,895.87	3/4	2,255.55	3/4	2,615.10	3/4	2,974.67	3/4	3,233.36
4.00	135.11	4.00	487.48	4.00	836.61	4	1,188.04	4	1,545.11	4	1,903.37	4	2,263.04	4	2,622.59	4.00	2,982.16	4.00	3,237.97
1/4	142.62	1/4	494.51	1/4	843.79	1/4	1,195.36	1/4	1,552.56	1/4	1,910.87	1/4	2,270.53	1/4	2,630.08	1/4	2,989.65	1/4	3,242.59
1/2	150.12	1/2	501.53	1/2	850.97	1/2	1,202.67	1/2	1,560.01	1/2	1,918.37	1/2	2,278.01	1/2	2,637.57	1/2	2,997.14	1/2	3,247.20
3/4	157.62	3/4	508.55	3/4	858.15	3/4	1,209.99	3/4	1,567.46	3/4	1,925.87	3/4	2,285.50	3/4	2,645.06	3/4	3,004.63	3/4	3,251.82
5.00	165.12	5.00	515.57	5.00	865.33	5	1,217.31	5	1,574.91	5	1,933.38	5	2,292.99	5	2,652.56	5.00	3,012.12	5.00	3,256.43
1/4	172.62	1/4	523.07	1/4	872.51	1/4	1,224.62	1/4	1,582.36	1/4	1,940.88	1/4	2,300.48	1/4	2,660.05	1/4	3,019.61	1/4	3,261.05
1/2	180.12	1/2	530.57	1/2	879.69	1/2	1,231.94	1/2	1,589.82	1/2	1,948.38	1/2	2,307.97	1/2	2,667.54	1/2	3,027.11	1/2	3,265.66
3/4	187.62	3/4	538.07	3/4	886.87	3/4	1,239.25	3/4	1,597.27	3/4	1,955.88	3/4	2,315.46	3/4	2,675.03	3/4	3,034.60	3/4	3,270.28
6.00	195.12	6.00	545.57	6.00	894.04	6	1,246.57	6	1,604.72	6	1,963.38	6	2,322.95	6	2,682.52	6.00	3,042.09	6.00	3,274.89
1/4	202.63	1/4	553.07	1/4	901.22	1/4	1,253.89	1/4	1,612.17	1/4	1,970.89	1/4	2,330.44	1/4	2,690.01	1/4	3,049.58	1/4	3,279.51
1/2	210.13	1/2	560.57	1/2	908.40	1/2	1,261.20	1/2	1,619.62	1/2	1,978.39	1/2	2,337.93	1/2	2,697.50	1/2	3,057.07	1/2	3,284.12
3/4	217.63	3/4	568.07	3/4	915.58	3/4	1,268.52	3/4	1,627.07	3/4	1,985.89	3/4	2,345.42	3/4	2,704.99	3/4	3,064.56	3/4	3,288.74
7.00	225.13	7.00	575.58	7.00	922.76	7	1,275.83	7	1,634.52	7	1,993.39	7	2,352.92	7	2,712.48	7.00	3,072.05	7.00	3,293.35
1/4	232.63	1/4	583.08	1/4	929.95	1/4	1,283.33	1/4	1,641.97	1/4	2,000.89	1/4	2,360.41	1/4	2,719.97	1/4	3,079.66	1/4	3,297.96
1/2	240.13	1/2	590.58	1/2	937.14	1/2	1,290.83	1/2	1,649.42	1/2	2,008.39	1/2	2,367.90	1/2	2,727.47	1/2	3,087.16	1/2	3,302.56
3/4	247.63	3/4	598.08	3/4	944.33	3/4	1,298.32	3/4	1,656.87	3/4	2,015.89	3/4	2,375.39	3/4	2,734.96	3/4	3,094.67	3/4	3,307.17
8.00	255.14	8.00	605.58	8.00	951.53	8	1,305.82	8	1,664.33	8	2,023.38	8	2,382.88	8	2,742.45	8.00	3,099.48	8.00	3,311.77
1/4	262.64	1/4	613.09	1/4	958.72	1/4	1,313.31	1/4	1,671.78	1/4	2,030.88	1/4	2,390.37	1/4	2,749.94	1/4	3,095.08	1/4	3,316.36
1/2	270.14	1/2	620.59	1/2	965.91	1/2	1,320.81	1/2	1,679.23	1/2	2,038.38	1/2	2,397.86	1/2	2,757.43	1/2	3,099.69	1/2	3,320.94
3/4	277.64	3/4	628.10	3/4	973.10	3/4	1,328.31	3/4	1,686.68	3/4	2,045.88	3/4	2,405.35	3/4	2,764.92	3/4	3,104.29	3/4	3,325.52
9.00	285.14	9.00	635.60	9.00	980.29	9	1,335.80	9	1,694.13	9	2,053.38	9	2,412.84	9	2,772.41	9.00	3,108.90	9.00	3,330.11
1/4	292.64	1/4	642.78	1/4	987.79	1/4	1,343.29	1/4	1,701.58	1/4	2,060.86	1/4	2,420.33	1/4	2,779.90	1/4	3,113.50	1/4	3,334.67
1/2	300.14	1/2	649.96	1/2	995.29	1/2	1,350.79	1/2	1,709.03	1/2	2,068.34	1/2	2,427.83	1/2	2,787.39	1/2	3,118.11	1/2	3,339.23
3/4	307.65	3/4	657.14	3/4	1,002.78	3/4	1,358.28	3/4	1,716.48	3/4	2,075.83	3/4	2,435.32	3/4	2,794.88	3/4	3,122.72	3/4	3,343.79
10.00	315.15	10.00	664.32	10.00	1,010.28	10	1,365.77	10	1,723.93	10	2,083.31	10	2,442.81	10	2,802.38	10.00	3,127.32	10.00	3,348.36
1/4	322.65	1/4	671.50	1/4	1,017.78	1/4	1,373.26	1/4	1,731.38	1/4	2,090.79	1/4	2,450.30	1/4	2,809.87	1/4	3,131.93	1/4	3,352.90
1/2	330.15	1/2	678.68	1/2	1,025.28	1/2	1,380.75	1/2	1,738.84	1/2	2,098.27	1/2	2,457.79	1/2	2,817.36	1/2	3,136.53	1/2	3,357.44
3/4	337.65	3/4	685.86	3/4	1,032.77	3/4	1,388.24	3/4	1,746.29	3/4	2,105.76	3/4	2,465.28	3/4	2,824.85	3/4	3,141.14	3/4	3,361.99
11.00	345.15	11.00	693.03	11.00	1,040.27	11	1,395.73	11	1,753.74	11	2,113.24	11	2,472.77	11	2,832.34	11.00	3,145.75	11.00	3,366.53
1/4	352.65	1/4	700.21	1/4	1,047.77	1/4	1,403.23	1/4	1,761.19	1/4	2,120.73	1/4	2,480.26	1/4	2,839.83	1/4	3,150.35	1/4	3,371.05
1/2	360.16	1/2	707.39	1/2	1,055.27	1/2	1,410.72	1/2	1,768.64	1/2	2,128.22	1/2	2,487.75	1/2	2,847.32	1/2	3,154.96	1/2	3,375.56
3/4	367.66	3/4	714.57	3/4	1,062.76	3/4	1,418.22	3/4	1,776.09	3/4	2,135.71	3/4	2,495.24	3/4	2,854.81	3/4	3,159.56	3/4	3,380.08

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 UNDERSIDE OF DECK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.  
 GAUGE POINT: (2" STANDPIPE) LOCATED 12'-00" OFF CENTERLINE AND 48'-06" FORWARD OF AFT BULKHEAD.

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





# BARGE "KIRBY 28711"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-01 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	3,384.60	0	3,594.69	0	3,791.77	0	3,976.19	0		0		0		0		0		0	
1/4	3,389.09	1/4	3,598.93	1/4	3,795.73	1/4	3,979.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,393.59	1/2	3,603.17	1/2	3,799.69	1/2	3,983.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,398.08	3/4	3,607.41	3/4	3,803.66	3/4	3,987.28	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,402.58	1	3,611.65	1	3,807.62	1	3,990.98	1		1		1		1		1		1	
1/4	3,407.05	1/4	3,615.86	1/4	3,811.56	1/4	3,994.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,411.53	1/2	3,620.07	1/2	3,815.50	1/2	3,998.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,416.00	3/4	3,624.28	3/4	3,819.45	3/4	4,001.85	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,420.48	2	3,628.49	2	3,823.39	2	4,005.48	2		2		2		2		2		2	
1/4	3,424.93	1/4	3,632.67	1/4	3,827.31	1/4	4,009.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,429.39	1/2	3,636.85	1/2	3,831.22	1/2	4,012.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,433.84	3/4	3,641.03	3/4	3,835.14	3/4	4,016.29	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,438.29	3	3,645.21	3	3,839.05	3	4,019.89	3		3		3		3		3		3	
1/4	3,442.73	1/4	3,649.37	1/4	3,842.95	1/4	4,023.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,447.17	1/2	3,653.52	1/2	3,846.84	1/2	4,027.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,451.60	3/4	3,657.68	3/4	3,850.74	3/4	4,030.65	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,456.04	4	3,661.84	4	3,854.63	4	4,034.24	4		4		4		4		4		4	
1/4	3,460.45	1/4	3,665.98	1/4	3,858.51	1/4	4,037.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,464.86	1/2	3,670.12	1/2	3,862.38	1/2	4,041.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,469.26	3/4	3,674.26	3/4	3,866.25	3/4	4,044.91	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,473.67	5	3,678.40	5	3,870.13	5	4,048.47	5		5		5		5		5		5	
1/4	3,478.06	1/4	3,682.51	1/4	3,873.98	1/4	4,051.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,482.44	1/2	3,686.62	1/2	3,877.83	1/2	4,054.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,486.83	3/4	3,690.74	3/4	3,881.69	3/4	4,057.20	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,491.22	6	3,694.85	6	3,885.54	6	4,060.10	6		6		6		6		6		6	
1/4	3,495.58	1/4	3,698.94	1/4	3,889.38	1/4	4,061.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,499.95	1/2	3,703.03	1/2	3,893.22	1/2	4,063.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,504.31	3/4	3,707.12	3/4	3,897.05	3/4	4,065.01	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,508.68	7	3,711.21	7	3,900.89	7	4,066.64	7		7		7		7		7		7	
1/4	3,513.03	1/4	3,715.28	1/4	3,904.69	1/4	4,067.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,517.37	1/2	3,719.35	1/2	3,908.50	1/2	4,067.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,521.72	3/4	3,723.42	3/4	3,912.31	3/4	4,067.73	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,526.07	8	3,727.49	8	3,916.11	8		8		8		8		8		8		8	
1/4	3,530.39	1/4	3,731.54	1/4	3,919.90	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,534.71	1/2	3,735.60	1/2	3,923.69	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,539.03	3/4	3,739.65	3/4	3,927.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,543.35	9	3,743.70	9	3,931.26	9		9		9		9		9		9		9	
1/4	3,547.65	1/4	3,747.73	1/4	3,935.02	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,551.95	1/2	3,751.76	1/2	3,938.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,556.25	3/4	3,755.80	3/4	3,942.55	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,560.54	10	3,759.83	10	3,946.32	10		10		10		10		10		10		10	
1/4	3,564.82	1/4	3,763.83	1/4	3,950.06	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,569.10	1/2	3,767.83	1/2	3,953.81	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,573.38	3/4	3,771.84	3/4	3,957.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,577.65	11	3,775.84	11	3,961.31	11		11		11		11		11		11		11	
1/4	3,581.91	1/4	3,779.82	1/4	3,965.03	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,586.17	1/2	3,783.81	1/2	3,968.75	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,590.43	3/4	3,787.79	3/4	3,972.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/29/2015 SW  
CALCULATED: 09/29/2015 CL  
RINTED: 09/30/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2015

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



# BARGE "KIRBY 28711"

## 3 STBD

### INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-01 1/2"

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.
0.00	17.92	0.00	376.28	0.00	727.50	0	1,088.14	0	1,449.39	0	1,808.07	0	2,167.79	0	2,528.48	0.00	2,889.20	0.00	3,191.71
1/4	24.79	1/4	383.32	1/4	735.00	1/4	1,095.67	1/4	1,456.91	1/4	1,815.43	1/4	2,175.31	1/4	2,536.00	1/4	2,896.71	1/4	3,196.31
1/2	31.65	1/2	390.36	1/2	742.51	1/2	1,103.20	1/2	1,464.44	1/2	1,822.80	1/2	2,182.82	1/2	2,543.51	1/2	2,904.23	1/2	3,200.92
3/4	38.52	3/4	397.40	3/4	750.01	3/4	1,110.72	3/4	1,471.96	3/4	1,830.16	3/4	2,190.33	3/4	2,551.03	3/4	2,911.74	3/4	3,205.52
1.00	45.38	1.00	404.44	1.00	757.51	1	1,118.25	1	1,479.49	1	1,837.53	1	2,197.85	1	2,558.54	1.00	2,919.26	1.00	3,210.13
1/4	52.89	1/4	411.48	1/4	765.02	1/4	1,125.78	1/4	1,487.02	1/4	1,844.89	1/4	2,205.36	1/4	2,566.06	1/4	2,926.77	1/4	3,214.74
1/2	60.40	1/2	418.52	1/2	772.52	1/2	1,133.30	1/2	1,494.54	1/2	1,852.26	1/2	2,212.88	1/2	2,573.57	1/2	2,934.29	1/2	3,219.35
3/4	67.91	3/4	425.56	3/4	780.03	3/4	1,140.83	3/4	1,502.07	3/4	1,859.62	3/4	2,220.40	3/4	2,581.09	3/4	2,941.80	3/4	3,223.97
2.00	75.41	2.00	432.60	2.00	787.53	2	1,148.36	2	1,509.59	2	1,866.99	2	2,227.91	2	2,588.60	2.00	2,949.32	2.00	3,228.58
1/4	82.93	1/4	439.64	1/4	795.03	1/4	1,155.88	1/4	1,517.12	1/4	1,874.51	1/4	2,235.43	1/4	2,596.12	1/4	2,956.83	1/4	3,233.19
1/2	90.45	1/2	446.68	1/2	802.54	1/2	1,163.41	1/2	1,524.65	1/2	1,882.04	1/2	2,242.94	1/2	2,603.63	1/2	2,964.35	1/2	3,237.81
3/4	97.97	3/4	453.72	3/4	810.04	3/4	1,170.94	3/4	1,532.17	3/4	1,889.57	3/4	2,250.46	3/4	2,611.15	3/4	2,971.86	3/4	3,242.42
3.00	105.48	3.00	460.76	3.00	817.54	3	1,178.46	3	1,539.70	3	1,897.09	3	2,257.98	3	2,618.66	3.00	2,979.38	3.00	3,247.03
1/4	113.00	1/4	467.80	1/4	825.05	1/4	1,185.99	1/4	1,547.22	1/4	1,904.62	1/4	2,265.49	1/4	2,626.18	1/4	2,986.89	1/4	3,251.65
1/2	120.52	1/2	474.84	1/2	832.55	1/2	1,193.52	1/2	1,554.75	1/2	1,912.14	1/2	2,273.00	1/2	2,633.69	1/2	2,994.41	1/2	3,256.26
3/4	128.05	3/4	481.88	3/4	840.06	3/4	1,201.05	3/4	1,562.28	3/4	1,919.67	3/4	2,280.51	3/4	2,641.21	3/4	3,001.92	3/4	3,260.87
4.00	135.57	4.00	488.92	4.00	847.56	4	1,208.57	4	1,569.80	4	1,927.20	4	2,288.02	4	2,648.72	4.00	3,009.44	4.00	3,265.49
1/4	143.09	1/4	495.97	1/4	855.06	1/4	1,216.10	1/4	1,577.33	1/4	1,934.72	1/4	2,295.53	1/4	2,656.24	1/4	3,016.95	1/4	3,270.10
1/2	150.61	1/2	503.01	1/2	862.57	1/2	1,223.63	1/2	1,584.85	1/2	1,942.25	1/2	2,303.04	1/2	2,663.75	1/2	3,024.47	1/2	3,274.71
3/4	158.13	3/4	510.05	3/4	870.07	3/4	1,231.15	3/4	1,592.38	3/4	1,949.77	3/4	2,310.55	3/4	2,671.27	3/4	3,031.98	3/4	3,279.33
5.00	165.66	5.00	517.09	5.00	877.57	5	1,238.68	5	1,599.91	5	1,957.30	5	2,318.07	5	2,678.78	5.00	3,039.50	5.00	3,283.94
1/4	173.18	1/4	524.61	1/4	885.08	1/4	1,246.21	1/4	1,607.43	1/4	1,964.83	1/4	2,325.58	1/4	2,686.30	1/4	3,047.01	1/4	3,288.55
1/2	180.70	1/2	532.13	1/2	892.58	1/2	1,253.73	1/2	1,614.96	1/2	1,972.35	1/2	2,333.10	1/2	2,693.81	1/2	3,054.53	1/2	3,293.17
3/4	188.22	3/4	539.65	3/4	900.08	3/4	1,261.26	3/4	1,622.48	3/4	1,979.88	3/4	2,340.61	3/4	2,701.33	3/4	3,062.05	3/4	3,297.78
6.00	195.74	6.00	547.17	6.00	907.59	6	1,268.79	6	1,630.01	6	1,987.40	6	2,348.13	6	2,708.84	6.00	3,069.56	6.00	3,302.39
1/4	203.27	1/4	554.70	1/4	915.09	1/4	1,276.31	1/4	1,637.54	1/4	1,994.93	1/4	2,355.64	1/4	2,716.36	1/4	3,077.08	1/4	3,307.01
1/2	210.79	1/2	562.22	1/2	922.60	1/2	1,283.84	1/2	1,645.06	1/2	2,002.46	1/2	2,363.16	1/2	2,723.87	1/2	3,084.59	1/2	3,311.62
3/4	218.31	3/4	569.74	3/4	930.10	3/4	1,291.37	3/4	1,652.59	3/4	2,009.98	3/4	2,370.67	3/4	2,731.39	3/4	3,092.11	3/4	3,316.23
7.00	225.83	7.00	577.26	7.00	937.60	7	1,298.89	7	1,660.11	7	2,017.51	7	2,378.19	7	2,738.90	7.00	3,099.62	7.00	3,320.85
1/4	233.36	1/4	584.78	1/4	945.13	1/4	1,306.42	1/4	1,667.64	1/4	2,025.03	1/4	2,385.70	1/4	2,746.42	1/4	3,104.23	1/4	3,325.45
1/2	240.88	1/2	592.31	1/2	952.66	1/2	1,313.95	1/2	1,675.17	1/2	2,032.55	1/2	2,393.21	1/2	2,753.93	1/2	3,108.83	1/2	3,330.05
3/4	248.40	3/4	599.83	3/4	960.18	3/4	1,321.48	3/4	1,682.69	3/4	2,040.08	3/4	2,400.73	3/4	2,761.45	3/4	3,113.44	3/4	3,334.65
8.00	255.92	8.00	607.35	8.00	967.71	8	1,329.00	8	1,690.22	8	2,047.60	8	2,408.24	8	2,768.96	8.00	3,118.04	8.00	3,339.26
1/4	263.44	1/4	614.88	1/4	975.24	1/4	1,336.53	1/4	1,697.58	1/4	2,055.12	1/4	2,415.76	1/4	2,776.47	1/4	3,122.64	1/4	3,343.84
1/2	270.97	1/2	622.40	1/2	982.76	1/2	1,344.06	1/2	1,704.95	1/2	2,062.64	1/2	2,423.27	1/2	2,783.99	1/2	3,127.25	1/2	3,348.42
3/4	278.49	3/4	629.93	3/4	990.29	3/4	1,351.58	3/4	1,712.31	3/4	2,070.17	3/4	2,430.79	3/4	2,791.50	3/4	3,131.85	3/4	3,353.00
9.00	286.01	9.00	637.46	9.00	997.82	9	1,359.11	9	1,719.68	9	2,077.69	9	2,438.30	9	2,799.02	9.00	3,136.46	9.00	3,357.58
1/4	293.53	1/4	644.96	1/4	1,005.35	1/4	1,366.63	1/4	1,727.05	1/4	2,085.19	1/4	2,445.82	1/4	2,806.53	1/4	3,141.06	1/4	3,362.14
1/2	301.05	1/2	652.46	1/2	1,012.87	1/2	1,374.15	1/2	1,734.41	1/2	2,092.70	1/2	2,453.33	1/2	2,814.05	1/2	3,145.67	1/2	3,366.70
3/4	308.58	3/4	659.97	3/4	1,020.40	3/4	1,381.67	3/4	1,741.78	3/4	2,100.21	3/4	2,460.85	3/4	2,821.56	3/4	3,150.27	3/4	3,371.27
10.00	316.10	10.00	667.47	10.00	1,027.93	10	1,389.19	10	1,749.14	10	2,107.71	10	2,468.36	10	2,829.08	10.00	3,154.87	10.00	3,375.83
1/4	323.62	1/4	674.97	1/4	1,035.45	1/4	1,396.72	1/4	1,756.51	1/4	2,115.22	1/4	2,475.88	1/4	2,836.59	1/4	3,159.48	1/4	3,380.37
1/2	331.14	1/2	682.48	1/2	1,042.98	1/2	1,404.24	1/2	1,763.87	1/2	2,122.73	1/2	2,483.39	1/2	2,844.11	1/2	3,164.08	1/2	3,384.91
3/4	338.66	3/4	689.98	3/4	1,050.51	3/4	1,411.76	3/4	1,771.24	3/4	2,130.23	3/4	2,490.91	3/4	2,851.62	3/4	3,168.69	3/4	3,389.45
11.00	346.19	11.00	697.49	11.00	1,058.03	11	1,419.28	11	1,778.60	11	2,137.74	11	2,498.42	11	2,859.14	11.00	3,173.29	11.00	3,393.99
1/4	353.71	1/4	704.99	1/4	1,065.56	1/4	1,426.81	1/4	1,785.97	1/4	2,145.25	1/4	2,505.94	1/4	2,866.65	1/4	3,177.90	1/4	3,398.51
1/2	361.23	1/2	712.49	1/2	1,073.09	1/2	1,434.33	1/2	1,793.33	1/2	2,152.77	1/2	2,513.45	1/2	2,874.17	1/2	3,182.50	1/2	3,403.02
3/4	368.75	3/4	720.00	3/4	1,080.61	3/4	1,441.86	3/4	1,800.70	3/4	2,160.28	3/4	2,520.97	3/4	2,881.68	3/4	3,187.10	3/4	3,407.54

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 UNDERSIDE OF DECK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.  
 GAUGE POINT: (2" STANDPIPE) LOCATED 12'-06" OFF CENTERLINE AND 48'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "KIRBY 28711"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-01 1/2"

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	3,412.05	0	3,622.04	0	3,819.01	0	4,003.29	0		0		0		0		0		0	
1/4	3,416.55	1/4	3,626.28	1/4	3,822.97	1/4	4,006.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,421.04	1/2	3,630.52	1/2	3,826.93	1/2	4,010.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,425.53	3/4	3,634.76	3/4	3,830.88	3/4	4,014.37	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,430.03	1	3,638.99	1	3,834.84	1	4,018.07	1		1		1		1		1		1	
1/4	3,434.50	1/4	3,643.20	1/4	3,838.78	1/4	4,021.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,438.97	1/2	3,647.41	1/2	3,842.72	1/2	4,025.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,443.44	3/4	3,651.62	3/4	3,846.67	3/4	4,028.93	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,447.92	2	3,655.83	2	3,850.61	2	4,032.55	2		2		2		2		2		2	
1/4	3,452.37	1/4	3,660.01	1/4	3,854.52	1/4	4,036.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,456.82	1/2	3,664.18	1/2	3,858.43	1/2	4,039.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,461.27	3/4	3,668.36	3/4	3,862.35	3/4	4,043.35	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,465.73	3	3,672.54	3	3,866.26	3	4,046.96	3		3		3		3		3		3	
1/4	3,470.16	1/4	3,676.69	1/4	3,870.15	1/4	4,050.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,474.60	1/2	3,680.85	1/2	3,874.04	1/2	4,054.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,479.03	3/4	3,685.00	3/4	3,877.93	3/4	4,057.71	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,483.46	4	3,689.16	4	3,881.83	4	4,061.29	4		4		4		4		4		4	
1/4	3,487.87	1/4	3,693.30	1/4	3,885.70	1/4	4,064.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,492.28	1/2	3,697.43	1/2	3,889.57	1/2	4,068.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,496.68	3/4	3,701.57	3/4	3,893.44	3/4	4,071.95	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,501.09	5	3,705.71	5	3,897.31	5	4,075.50	5		5		5		5		5		5	
1/4	3,505.47	1/4	3,709.82	1/4	3,901.16	1/4	4,078.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,509.86	1/2	3,713.93	1/2	3,905.01	1/2	4,081.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,514.24	3/4	3,718.04	3/4	3,908.86	3/4	4,084.22	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,518.63	6	3,722.15	6	3,912.71	6	4,087.12	6		6		6		6		6		6	
1/4	3,522.99	1/4	3,726.24	1/4	3,916.55	1/4	4,088.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,527.35	1/2	3,730.32	1/2	3,920.38	1/2	4,090.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,531.72	3/4	3,734.41	3/4	3,924.21	3/4	4,092.01	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,536.08	7	3,738.50	7	3,928.05	7	4,093.64	7		7		7		7		7		7	
1/4	3,540.42	1/4	3,742.57	1/4	3,931.85	1/4	4,094.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,544.77	1/2	3,746.64	1/2	3,935.65	1/2	4,094.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,549.11	3/4	3,750.71	3/4	3,939.46	3/4	4,094.71	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,553.46	8	3,754.77	8	3,943.26	8		8		8		8		8		8		8	
1/4	3,557.78	1/4	3,758.82	1/4	3,947.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,562.10	1/2	3,762.87	1/2	3,950.83	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,566.41	3/4	3,766.92	3/4	3,954.61	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,570.73	9	3,770.97	9	3,958.39	9		9		9		9		9		9		9	
1/4	3,575.03	1/4	3,775.00	1/4	3,962.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,579.32	1/2	3,779.03	1/2	3,965.92	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,583.62	3/4	3,783.06	3/4	3,969.68	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,587.92	10	3,787.09	10	3,973.44	10		10		10		10		10		10		10	
1/4	3,592.19	1/4	3,791.09	1/4	3,977.19	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,596.47	1/2	3,795.09	1/2	3,980.93	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,600.74	3/4	3,799.09	3/4	3,984.67	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,605.02	11	3,803.09	11	3,988.42	11		11		11		11		11		11		11	
1/4	3,609.28	1/4	3,807.07	1/4	3,992.13	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,613.53	1/2	3,811.05	1/2	3,995.85	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,617.79	3/4	3,815.03	3/4	3,999.57	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/29/2015 SW  
CALCULATED: 09/29/2015 CL  
RINTED: 09/30/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2015

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



# BARGE "KIRBY 28711"

ULLAGE TRIM TABLE  
HERMETIC

	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 PORT	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4
1 STBD	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/8	01-1/8
2 PORT	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4
2 STBD	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4
3 PORT	00-3/8	- 00-3/8	00-5/8	- 00-5/8	01-0/8	- 01-0/8	01-3/8	- 01-3/8	01-5/8	- 01-5/8	02-0/8	- 02-0/8
3 STBD	00-3/8	- 00-3/8	00-5/8	- 00-5/8	01-0/8	- 01-0/8	01-3/8	- 01-3/8	01-5/8	- 01-5/8	02-0/8	- 02-0/8

(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 PORT IS 00-3/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 3/8"

LENGTH BETWEEN DRAFT MARKS: 257-06"

September 29, 2015

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 28711"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	4,358.90	0	4,063.40	0	3,756.26	0	3,437.16	0	3,107.35	0	2,775.89	0	2,444.43
1/4		1/4		1/4		1/4	4,352.87	1/4	4,057.11	1/4	3,749.73	1/4	3,430.37	1/4	3,100.45	1/4	2,768.98	1/4	2,437.52
1/2		1/2		1/2		1/2	4,346.85	1/2	4,050.82	1/2	3,743.20	1/2	3,423.59	1/2	3,093.54	1/2	2,762.08	1/2	2,430.61
3/4		3/4		3/4		3/4	4,340.82	3/4	4,044.53	3/4	3,736.67	3/4	3,416.80	3/4	3,086.64	3/4	2,755.17	3/4	2,423.71
1		1		1		1	4,334.80	1	4,038.24	1	3,730.14	1	3,410.01	1	3,079.73	1	2,748.27	1	2,416.80
1/4		1/4		1/4		1/4	4,328.73	1/4	4,031.94	1/4	3,723.58	1/4	3,403.21	1/4	3,072.83	1/4	2,741.36	1/4	2,409.90
1/2		1/2		1/2		1/2	4,322.66	1/2	4,025.63	1/2	3,717.03	1/2	3,396.40	1/2	3,065.92	1/2	2,734.46	1/2	2,402.99
3/4		3/4		3/4		3/4	4,316.60	3/4	4,019.32	3/4	3,710.48	3/4	3,389.60	3/4	3,059.02	3/4	2,727.55	3/4	2,396.09
2		2		2		2	4,310.53	2	4,013.01	2	3,703.93	2	3,382.79	2	3,052.11	2	2,720.65	2	2,389.18
1/4		1/4		1/4		1/4	4,304.44	1/4	4,006.69	1/4	3,697.36	1/4	3,375.97	1/4	3,045.20	1/4	2,713.74	1/4	2,382.28
1/2		1/2		1/2		1/2	4,298.35	1/2	4,000.36	1/2	3,690.79	1/2	3,369.14	1/2	3,038.30	1/2	2,706.83	1/2	2,375.37
3/4		3/4		3/4		3/4	4,292.26	3/4	3,994.03	3/4	3,684.22	3/4	3,362.31	3/4	3,031.39	3/4	2,699.93	3/4	2,368.47
3		3		3		3	4,286.17	3	3,987.71	3	3,677.65	3	3,355.48	3	3,024.49	3	2,693.02	3	2,361.56
1/4		1/4		1/4		1/4	4,280.06	1/4	3,981.36	1/4	3,671.06	1/4	3,348.63	1/4	3,017.58	1/4	2,686.12	1/4	2,354.65
1/2		1/2		1/2		1/2	4,273.95	1/2	3,975.01	1/2	3,664.47	1/2	3,341.79	1/2	3,010.68	1/2	2,679.21	1/2	2,347.75
3/4		3/4		3/4		3/4	4,267.85	3/4	3,968.66	3/4	3,657.88	3/4	3,334.94	3/4	3,003.77	3/4	2,672.31	3/4	2,340.84
4		4		4		4	4,261.74	4	3,962.31	4	3,651.29	4	3,328.09	4	2,996.87	4	2,665.40	4	2,333.94
1/4		1/4		1/4		1/4	4,255.61	1/4	3,955.93	1/4	3,644.68	1/4	3,321.22	1/4	2,989.96	1/4	2,658.50	1/4	2,327.03
1/2		1/2		1/2		1/2	4,249.48	1/2	3,949.56	1/2	3,638.08	1/2	3,314.36	1/2	2,983.05	1/2	2,651.59	1/2	2,320.13
3/4		3/4		3/4		3/4	4,243.36	3/4	3,943.19	3/4	3,631.47	3/4	3,307.49	3/4	2,976.15	3/4	2,644.69	3/4	2,313.22
5		5		5		5	4,237.23	5	3,936.82	5	3,624.86	5	3,300.62	5	2,969.24	5	2,637.78	5	2,306.32
1/4		1/4		1/4		1/4	4,231.08	1/4	3,930.43	1/4	3,618.23	1/4	3,293.74	1/4	2,962.34	1/4	2,630.87	1/4	2,299.41
1/2		1/2		1/2		1/2	4,224.94	1/2	3,924.04	1/2	3,611.60	1/2	3,286.85	1/2	2,955.43	1/2	2,623.97	1/2	2,292.50
3/4		3/4		3/4		3/4	4,218.79	3/4	3,917.65	3/4	3,604.97	3/4	3,279.96	3/4	2,948.53	3/4	2,617.06	3/4	2,285.60
6		6		6		6	4,212.64	6	3,911.26	6	3,598.34	6	3,273.08	6	2,941.62	6	2,610.16	6	2,278.69
1/4		1/4		1/4		1/4	4,206.48	1/4	3,904.85	1/4	3,591.68	1/4	3,266.17	1/4	2,934.72	1/4	2,603.25	1/4	2,271.79
1/2		1/2		1/2		1/2	4,479.19	1/2	4,200.31	1/2	3,898.45	1/2	3,585.02	1/2	3,259.27	1/2	2,927.81	1/2	2,596.35
3/4		3/4		3/4		3/4	4,475.60	3/4	4,194.14	3/4	3,892.04	3/4	3,578.36	3/4	3,252.37	3/4	2,920.91	3/4	2,589.44
7		7		7		7	4,472.01	7	4,187.97	7	3,885.63	7	3,571.70	7	3,245.46	7	2,914.00	7	2,582.54
1/4		1/4		1/4		1/4	4,467.26	1/4	4,181.78	1/4	3,879.20	1/4	3,565.02	1/4	3,238.56	1/4	2,907.09	1/4	2,575.63
1/2		1/2		1/2		1/2	4,462.51	1/2	4,175.58	1/2	3,872.78	1/2	3,558.33	1/2	3,231.65	1/2	2,900.19	1/2	2,568.72
3/4		3/4		3/4		3/4	4,457.76	3/4	4,169.39	3/4	3,866.35	3/4	3,551.64	3/4	3,224.75	3/4	2,893.28	3/4	2,561.82
8		8		8		8	4,453.01	8	4,163.20	8	3,859.92	8	3,544.96	8	3,217.84	8	2,886.38	8	2,554.91
1/4		1/4		1/4		1/4	4,447.38	1/4	4,156.99	1/4	3,853.47	1/4	3,538.25	1/4	3,210.94	1/4	2,879.47	1/4	2,548.01
1/2		1/2		1/2		1/2	4,441.75	1/2	4,150.79	1/2	3,847.02	1/2	3,531.55	1/2	3,204.03	1/2	2,872.57	1/2	2,541.10
3/4		3/4		3/4		3/4	4,436.11	3/4	4,144.58	3/4	3,840.57	3/4	3,524.84	3/4	3,197.13	3/4	2,865.66	3/4	2,534.20
9		9		9		9	4,430.48	9	4,138.37	9	3,834.13	9	3,518.14	9	3,190.22	9	2,858.76	9	2,527.29
1/4		1/4		1/4		1/4	4,424.54	1/4	4,132.14	1/4	3,827.65	1/4	3,511.41	1/4	3,183.31	1/4	2,851.85	1/4	2,520.39
1/2		1/2		1/2		1/2	4,418.59	1/2	4,125.92	1/2	3,821.18	1/2	3,504.68	1/2	3,176.41	1/2	2,844.94	1/2	2,513.48
3/4		3/4		3/4		3/4	4,412.65	3/4	4,119.69	3/4	3,814.71	3/4	3,497.95	3/4	3,169.50	3/4	2,838.04	3/4	2,506.58
10		10		10		10	4,406.70	10	4,113.46	10	3,808.24	10	3,491.22	10	3,162.60	10	2,831.13	10	2,499.67
1/4		1/4		1/4		1/4	4,400.73	1/4	4,107.22	1/4	3,801.76	1/4	3,484.48	1/4	3,155.69	1/4	2,824.23	1/4	2,492.76
1/2		1/2		1/2		1/2	4,394.77	1/2	4,100.97	1/2	3,795.27	1/2	3,477.73	1/2	3,148.79	1/2	2,817.32	1/2	2,485.86
3/4		3/4		3/4		3/4	4,388.80	3/4	4,094.72	3/4	3,788.78	3/4	3,470.98	3/4	3,141.88	3/4	2,810.42	3/4	2,478.95
11		11		11		11	4,382.83	11	4,088.48	11	3,782.29	11	3,464.23	11	3,134.98	11	2,803.51	11	2,472.05
1/4		1/4		1/4		1/4	4,376.85	1/4	4,082.21	1/4	3,775.78	1/4	3,457.46	1/4	3,128.07	1/4	2,796.61	1/4	2,465.14
1/2		1/2		1/2		1/2	4,370.87	1/2	4,075.94	1/2	3,769.27	1/2	3,450.69	1/2	3,121.16	1/2	2,789.70	1/2	2,458.24
3/4		3/4		3/4		3/4	4,364.88	3/4	4,069.67	3/4	3,762.77	3/4	3,443.93	3/4	3,114.26	3/4	2,782.80	3/4	2,451.33

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 UNDERSIDE OF DECK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 13'-00" OFF CENTERLINE AND 35'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "KIRBY 28711"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	2,112.93	0	1,781.36	0	1,449.80	0	1,121.34	0	791.53	0	466.86	0	138.40	0		0		0	
1/4	2,106.02	1/4	1,774.46	1/4	1,442.96	1/4	1,114.45	1/4	784.64	1/4	460.44	1/4	131.51	1/4		1/4		1/4	
1/2	2,099.11	1/2	1,767.55	1/2	1,436.11	1/2	1,107.56	1/2	777.75	1/2	454.01	1/2	124.63	1/2		1/2		1/2	
3/4	2,092.21	3/4	1,760.64	3/4	1,429.27	3/4	1,100.67	3/4	770.86	3/4	447.59	3/4	117.75	3/4		3/4		3/4	
1	2,085.30	1	1,753.73	1	1,422.43	1	1,093.78	1	763.98	1	441.17	1	110.86	1		1		1	
1/4	2,078.39	1/4	1,746.83	1/4	1,415.65	1/4	1,086.90	1/4	757.07	1/4	434.51	1/4	104.00	1/4		1/4		1/4	
1/2	2,071.48	1/2	1,739.92	1/2	1,408.87	1/2	1,080.03	1/2	750.16	1/2	427.84	1/2	97.13	1/2		1/2		1/2	
3/4	2,064.58	3/4	1,733.01	3/4	1,402.09	3/4	1,073.16	3/4	743.25	3/4	421.18	3/4	90.26	3/4		3/4		3/4	
2	2,057.67	2	1,726.10	2	1,395.31	2	1,066.28	2	736.34	2	414.52	2	83.40	2		2		2	
1/4	2,050.76	1/4	1,719.20	1/4	1,388.54	1/4	1,059.41	1/4	729.43	1/4	407.61	1/4	76.56	1/4		1/4		1/4	
1/2	2,043.85	1/2	1,712.29	1/2	1,381.76	1/2	1,052.54	1/2	722.53	1/2	400.71	1/2	69.73	1/2		1/2		1/2	
3/4	2,036.95	3/4	1,705.38	3/4	1,374.98	3/4	1,045.67	3/4	715.62	3/4	393.80	3/4	62.89	3/4		3/4		3/4	
3	2,030.04	3	1,698.47	3	1,368.21	3	1,038.80	3	708.71	3	386.90	3	56.06	3		3		3	
1/4	2,023.13	1/4	1,691.57	1/4	1,361.44	1/4	1,031.93	1/4	701.80	1/4	380.00	1/4	49.77	1/4		1/4		1/4	
1/2	2,016.22	1/2	1,684.66	1/2	1,354.66	1/2	1,025.06	1/2	694.89	1/2	373.09	1/2	43.49	1/2		1/2		1/2	
3/4	2,009.32	3/4	1,677.75	3/4	1,347.89	3/4	1,018.19	3/4	687.99	3/4	366.19	3/4	37.21	3/4		3/4		3/4	
4	2,002.41	4	1,670.84	4	1,341.12	4	1,011.32	4	681.08	4	359.28	4	30.93	4		4		4	
1/4	1,995.50	1/4	1,663.94	1/4	1,334.34	1/4	1,004.45	1/4	674.17	1/4	352.38	1/4	26.33	1/4		1/4		1/4	
1/2	1,988.59	1/2	1,657.03	1/2	1,327.56	1/2	997.59	1/2	667.26	1/2	345.47	1/2	21.73	1/2		1/2		1/2	
3/4	1,981.68	3/4	1,650.12	3/4	1,320.79	3/4	990.72	3/4	660.35	3/4	338.57	3/4	17.13	3/4		3/4		3/4	
5	1,974.78	5	1,643.21	5	1,314.01	5	983.85	5	653.44	5	331.67	5	12.53	5		5		5	
1/4	1,967.87	1/4	1,636.30	1/4	1,307.23	1/4	976.98	1/4	646.54	1/4	324.76	1/4		1/4		1/4		1/4	
1/2	1,960.96	1/2	1,629.40	1/2	1,300.45	1/2	970.11	1/2	639.63	1/2	317.86	1/2		1/2		1/2		1/2	
3/4	1,954.05	3/4	1,622.49	3/4	1,293.67	3/4	963.24	3/4	632.72	3/4	310.95	3/4		3/4		3/4		3/4	
6	1,947.15	6	1,615.58	6	1,286.89	6	956.37	6	625.82	6	304.05	6	6	6		6		6	
1/4	1,940.24	1/4	1,608.67	1/4	1,280.05	1/4	949.50	1/4	618.91	1/4	297.14	1/4		1/4		1/4		1/4	
1/2	1,933.33	1/2	1,601.77	1/2	1,273.21	1/2	942.63	1/2	612.01	1/2	290.24	1/2		1/2		1/2		1/2	
3/4	1,926.42	3/4	1,594.86	3/4	1,266.36	3/4	935.77	3/4	605.11	3/4	283.34	3/4		3/4		3/4		3/4	
7	1,919.52	7	1,587.95	7	1,259.52	7	928.90	7	598.20	7	276.43	7	7	7		7		7	
1/4	1,912.61	1/4	1,581.04	1/4	1,252.61	1/4	922.03	1/4	591.30	1/4	269.53	1/4		1/4		1/4		1/4	
1/2	1,905.70	1/2	1,574.14	1/2	1,245.70	1/2	915.16	1/2	584.39	1/2	262.62	1/2		1/2		1/2		1/2	
3/4	1,898.79	3/4	1,567.23	3/4	1,238.79	3/4	908.29	3/4	577.49	3/4	255.72	3/4		3/4		3/4		3/4	
8	1,891.89	8	1,560.32	8	1,231.88	8	901.42	8	570.59	8	248.82	8	8	8		8		8	
1/4	1,884.98	1/4	1,553.41	1/4	1,224.97	1/4	894.55	1/4	563.92	1/4	241.91	1/4		1/4		1/4		1/4	
1/2	1,878.07	1/2	1,546.51	1/2	1,218.06	1/2	887.69	1/2	557.26	1/2	235.01	1/2		1/2		1/2		1/2	
3/4	1,871.16	3/4	1,539.60	3/4	1,211.16	3/4	880.82	3/4	550.60	3/4	228.10	3/4		3/4		3/4		3/4	
9	1,864.26	9	1,532.69	9	1,204.25	9	873.95	9	543.93	9	221.20	9	9	9		9		9	
1/4	1,857.35	1/4	1,525.78	1/4	1,197.34	1/4	867.08	1/4	537.51	1/4	214.29	1/4		1/4		1/4		1/4	
1/2	1,850.44	1/2	1,518.88	1/2	1,190.43	1/2	860.21	1/2	531.09	1/2	207.39	1/2		1/2		1/2		1/2	
3/4	1,843.53	3/4	1,511.97	3/4	1,183.52	3/4	853.34	3/4	524.66	3/4	200.49	3/4		3/4		3/4		3/4	
10	1,836.63	10	1,505.06	10	1,176.61	10	846.48	10	518.24	10	193.58	10	10	10		10		10	
1/4	1,829.72	1/4	1,498.15	1/4	1,169.70	1/4	839.61	1/4	511.82	1/4	186.68	1/4		1/4		1/4		1/4	
1/2	1,822.81	1/2	1,491.25	1/2	1,162.79	1/2	832.74	1/2	505.40	1/2	179.78	1/2		1/2		1/2		1/2	
3/4	1,815.90	3/4	1,484.34	3/4	1,155.88	3/4	825.87	3/4	498.97	3/4	172.88	3/4		3/4		3/4		3/4	
11	1,808.99	11	1,477.43	11	1,148.97	11	819.00	11	492.55	11	165.98	11	11	11		11		11	
1/4	1,802.09	1/4	1,470.52	1/4	1,142.07	1/4	812.13	1/4	486.13	1/4	159.08	1/4		1/4		1/4		1/4	
1/2	1,795.18	1/2	1,463.61	1/2	1,135.16	1/2	805.27	1/2	479.71	1/2	152.19	1/2		1/2		1/2		1/2	
3/4	1,788.27	3/4	1,456.71	3/4	1,128.25	3/4	798.40	3/4	473.28	3/4	145.29	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/29/2015 SW  
CALCULATED: 09/29/2015 CL  
PRINTED: 09/30/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2015

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





# BARGE "KIRBY 28711"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	4,352.50	0	4,055.40	0	3,746.73	0	3,426.07	0	3,095.13	0	2,762.87	0	2,430.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,346.46	1/4	4,049.09	1/4	3,740.18	1/4	3,419.27	1/4	3,088.20	1/4	2,755.95	1/4	2,423.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,340.37	1/2	4,042.77	1/2	3,733.61	1/2	3,412.44	1/2	3,081.28	1/2	2,749.03	1/2	2,416.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,334.29	3/4	4,036.45	3/4	3,727.04	3/4	3,405.62	3/4	3,074.36	3/4	2,742.10	3/4	2,409.85
1		1		1		1	4,328.21	1	4,030.12	1	3,720.48	1	3,398.80	1	3,067.44	1	2,735.18	1	2,402.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,322.12	1/4	4,023.80	1/4	3,713.91	1/4	3,391.98	1/4	3,060.52	1/4	2,728.26	1/4	2,396.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,316.01	1/2	4,017.45	1/2	3,707.32	1/2	3,385.13	1/2	3,053.59	1/2	2,721.34	1/2	2,389.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,309.91	3/4	4,011.11	3/4	3,700.73	3/4	3,378.29	3/4	3,046.67	3/4	2,714.42	3/4	2,382.16
2		2		2		2	4,303.80	2	4,004.77	2	3,694.15	2	3,371.45	2	3,039.75	2	2,707.49	2	2,375.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,297.70	1/4	3,998.42	1/4	3,687.56	1/4	3,364.60	1/4	3,032.83	1/4	2,700.57	1/4	2,368.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,291.57	1/2	3,992.06	1/2	3,680.96	1/2	3,357.74	1/2	3,025.91	1/2	2,693.65	1/2	2,361.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,285.45	3/4	3,985.69	3/4	3,674.35	3/4	3,350.87	3/4	3,018.98	3/4	2,686.73	3/4	2,354.47
3		3		3		3	4,279.32	3	3,979.32	3	3,667.75	3	3,344.01	3	3,012.06	3	2,679.81	3	2,347.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,273.19	1/4	3,972.95	1/4	3,661.14	1/4	3,337.14	1/4	3,005.14	1/4	2,672.88	1/4	2,340.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,267.05	1/2	3,966.57	1/2	3,654.52	1/2	3,330.26	1/2	2,998.22	1/2	2,665.96	1/2	2,333.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,260.91	3/4	3,960.18	3/4	3,647.89	3/4	3,323.38	3/4	2,991.30	3/4	2,659.04	3/4	2,326.78
4		4		4		4	4,254.76	4	3,953.79	4	3,641.27	4	3,316.49	4	2,984.37	4	2,652.12	4	2,319.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,248.62	1/4	3,947.40	1/4	3,634.64	1/4	3,309.61	1/4	2,977.45	1/4	2,645.20	1/4	2,312.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,242.46	1/2	3,940.99	1/2	3,628.00	1/2	3,302.71	1/2	2,970.53	1/2	2,638.27	1/2	2,306.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,236.29	3/4	3,934.59	3/4	3,621.35	3/4	3,295.81	3/4	2,963.61	3/4	2,631.35	3/4	2,299.10
5		5		5		5	4,230.13	5	3,928.18	5	3,614.70	5	3,288.90	5	2,956.69	5	2,624.43	5	2,292.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,223.97	1/4	3,921.78	1/4	3,608.05	1/4	3,282.00	1/4	2,949.76	1/4	2,617.51	1/4	2,285.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,217.78	1/2	3,915.35	1/2	3,601.38	1/2	3,275.08	1/2	2,942.84	1/2	2,610.59	1/2	2,278.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,491.27	3/4	4,211.59	3/4	3,908.93	3/4	3,594.70	3/4	3,268.17	3/4	2,935.92	3/4	2,603.66
6		6		6		6	4,487.67	6	4,205.41	6	3,902.50	6	3,588.03	6	3,261.25	6	2,929.00	6	2,596.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,484.07	1/4	4,199.22	1/4	3,896.08	1/4	3,581.35	1/4	3,254.33	1/4	2,922.08	1/4	2,589.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,479.30	1/2	4,193.01	1/2	3,889.64	1/2	3,574.65	1/2	3,247.41	1/2	2,915.15	1/2	2,582.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,474.54	3/4	4,186.81	3/4	3,883.19	3/4	3,567.95	3/4	3,240.49	3/4	2,908.23	3/4	2,575.98
7		7		7		7	4,469.77	7	4,180.60	7	3,876.75	7	3,561.24	7	3,233.57	7	2,901.31	7	2,569.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,465.01	1/4	4,174.39	1/4	3,870.30	1/4	3,554.54	1/4	3,226.64	1/4	2,894.39	1/4	2,562.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,459.36	1/2	4,168.16	1/2	3,863.84	1/2	3,547.82	1/2	3,219.72	1/2	2,887.47	1/2	2,555.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,453.71	3/4	4,161.94	3/4	3,857.37	3/4	3,541.10	3/4	3,212.80	3/4	2,880.54	3/4	2,548.29
8		8		8		8	4,448.06	8	4,155.71	8	3,850.91	8	3,534.38	8	3,205.88	8	2,873.62	8	2,541.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,442.41	1/4	4,149.49	1/4	3,844.44	1/4	3,527.65	1/4	3,198.96	1/4	2,866.70	1/4	2,534.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,436.45	1/2	4,143.25	1/2	3,837.95	1/2	3,520.91	1/2	3,192.03	1/2	2,859.78	1/2	2,527.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,430.49	3/4	4,137.00	3/4	3,831.47	3/4	3,514.16	3/4	3,185.11	3/4	2,852.86	3/4	2,520.60
9		9		9		9	4,424.53	9	4,130.76	9	3,824.98	9	3,507.42	9	3,178.19	9	2,845.93	9	2,513.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,418.56	1/4	4,124.51	1/4	3,818.49	1/4	3,500.68	1/4	3,171.27	1/4	2,839.01	1/4	2,506.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,412.58	1/2	4,118.25	1/2	3,811.99	1/2	3,493.91	1/2	3,164.35	1/2	2,832.09	1/2	2,499.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,406.60	3/4	4,111.99	3/4	3,805.48	3/4	3,487.14	3/4	3,157.42	3/4	2,825.17	3/4	2,492.91
10		10		10		10	4,400.61	10	4,105.73	10	3,798.98	10	3,480.38	10	3,150.50	10	2,818.25	10	2,485.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,394.63	1/4	4,099.46	1/4	3,792.47	1/4	3,473.61	1/4	3,143.58	1/4	2,811.32	1/4	2,479.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,388.63	1/2	4,093.18	1/2	3,785.95	1/2	3,466.83	1/2	3,136.66	1/2	2,804.40	1/2	2,472.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,382.63	3/4	4,086.89	3/4	3,779.42	3/4	3,460.04	3/4	3,129.74	3/4	2,797.48	3/4	2,465.22
11		11		11		11	4,376.63	11	4,080.61	11	3,772.90	11	3,453.26	11	3,122.81	11	2,790.56	11	2,458.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,370.63	1/4	4,074.32	1/4	3,766.37	1/4	3,446.48	1/4	3,115.89	1/4	2,783.64	1/4	2,451.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,364.58	1/2	4,068.01	1/2	3,759.83	1/2	3,439.67	1/2	3,108.97	1/2	2,776.71	1/2	2,444.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,358.54	3/4	4,061.71	3/4	3,753.28	3/4	3,432.87	3/4	3,102.05	3/4	2,769.79	3/4	2,437.54

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 UNDERSIDE OF DECK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 35'-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 28711"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,098.33	0	1,765.97	0	1,433.81	0	1,104.36	0	772.45	0	448.66	0	118.02	0		0		0	
1/4	2,091.40	1/4	1,759.05	1/4	1,426.95	1/4	1,097.43	1/4	765.54	1/4	442.22	1/4	111.12	1/4	1/4		1/4	1/4	
1/2	2,084.48	1/2	1,752.12	1/2	1,420.15	1/2	1,090.51	1/2	758.64	1/2	435.54	1/2	104.24	1/2	1/2		1/2	1/2	
3/4	2,077.55	3/4	1,745.20	3/4	1,413.36	3/4	1,083.58	3/4	751.73	3/4	428.86	3/4	97.36	3/4	3/4		3/4	3/4	
1	2,070.63	1	1,738.27	1	1,406.56	1	1,076.66	1	744.83	1	422.18	1	90.48	1		1		1	
1/4	2,063.71	1/4	1,731.35	1/4	1,399.77	1/4	1,069.73	1/4	737.92	1/4	415.50	1/4	83.59	1/4	1/4		1/4	1/4	
1/2	2,056.78	1/2	1,724.43	1/2	1,392.97	1/2	1,062.80	1/2	731.02	1/2	408.58	1/2	76.74	1/2	1/2		1/2	1/2	
3/4	2,049.86	3/4	1,717.50	3/4	1,386.18	3/4	1,055.88	3/4	724.11	3/4	401.66	3/4	69.89	3/4	3/4		3/4	3/4	
2	2,042.93	2	1,710.58	2	1,379.39	2	1,048.95	2	717.21	2	394.74	2	63.04	2		2		2	
1/4	2,036.01	1/4	1,703.65	1/4	1,372.60	1/4	1,042.03	1/4	710.30	1/4	387.82	1/4	56.19	1/4	1/4		1/4	1/4	
1/2	2,029.09	1/2	1,696.73	1/2	1,365.81	1/2	1,035.10	1/2	703.40	1/2	380.90	1/2	49.89	1/2	1/2		1/2	1/2	
3/4	2,022.16	3/4	1,689.81	3/4	1,359.02	3/4	1,028.18	3/4	696.49	3/4	373.98	3/4	43.59	3/4	3/4		3/4	3/4	
3	2,015.24	3	1,682.88	3	1,352.23	3	1,021.25	3	689.59	3	367.05	3	37.29	3		3		3	
1/4	2,008.31	1/4	1,675.96	1/4	1,345.44	1/4	1,014.33	1/4	682.68	1/4	360.13	1/4	31.00	1/4	1/4		1/4	1/4	
1/2	2,001.39	1/2	1,669.03	1/2	1,338.64	1/2	1,007.40	1/2	675.77	1/2	353.21	1/2	26.39	1/2	1/2		1/2	1/2	
3/4	1,994.47	3/4	1,662.11	3/4	1,331.85	3/4	1,000.48	3/4	668.85	3/4	346.29	3/4	21.78	3/4	3/4		3/4	3/4	
4	1,987.54	4	1,655.18	4	1,325.06	4	993.55	4	661.94	4	339.37	4	17.17	4		4		4	
1/4	1,980.62	1/4	1,648.26	1/4	1,318.27	1/4	986.63	1/4	655.02	1/4	332.45	1/4	12.56	1/4	1/4		1/4	1/4	
1/2	1,973.69	1/2	1,641.34	1/2	1,311.47	1/2	979.70	1/2	648.10	1/2	325.53	1/2		1/2	1/2		1/2	1/2	
3/4	1,966.77	3/4	1,634.41	3/4	1,304.68	3/4	972.78	3/4	641.18	3/4	318.61	3/4		3/4	3/4		3/4	3/4	
5	1,959.84	5	1,627.49	5	1,297.88	5	965.85	5	634.26	5	311.69	5		5		5		5	
1/4	1,952.92	1/4	1,620.56	1/4	1,291.08	1/4	958.93	1/4	627.33	1/4	304.77	1/4		1/4	1/4		1/4	1/4	
1/2	1,946.00	1/2	1,613.64	1/2	1,284.22	1/2	952.01	1/2	620.41	1/2	297.85	1/2		1/2	1/2		1/2	1/2	
3/4	1,939.07	3/4	1,606.72	3/4	1,277.36	3/4	945.09	3/4	613.49	3/4	290.93	3/4		3/4	3/4		3/4	3/4	
6	1,932.15	6	1,599.79	6	1,270.50	6	938.18	6	606.57	6	284.01	6		6		6		6	
1/4	1,925.22	1/4	1,592.87	1/4	1,263.64	1/4	931.26	1/4	599.65	1/4	277.09	1/4		1/4	1/4		1/4	1/4	
1/2	1,918.30	1/2	1,585.94	1/2	1,256.71	1/2	924.36	1/2	592.73	1/2	270.17	1/2		1/2	1/2		1/2	1/2	
3/4	1,911.38	3/4	1,579.02	3/4	1,249.79	3/4	917.45	3/4	585.81	3/4	263.25	3/4		3/4	3/4		3/4	3/4	
7	1,904.45	7	1,572.10	7	1,242.86	7	910.55	7	578.89	7	256.33	7		7		7		7	
1/4	1,897.53	1/4	1,565.17	1/4	1,235.94	1/4	903.64	1/4	571.97	1/4	249.40	1/4		1/4	1/4		1/4	1/4	
1/2	1,890.60	1/2	1,558.25	1/2	1,229.01	1/2	896.74	1/2	565.29	1/2	242.48	1/2		1/2	1/2		1/2	1/2	
3/4	1,883.68	3/4	1,551.32	3/4	1,222.09	3/4	889.83	3/4	558.61	3/4	235.56	3/4		3/4	3/4		3/4	3/4	
8	1,876.76	8	1,544.40	8	1,215.16	8	882.93	8	551.93	8	228.64	8		8		8		8	
1/4	1,869.83	1/4	1,537.47	1/4	1,208.24	1/4	876.02	1/4	545.25	1/4	221.72	1/4		1/4	1/4		1/4	1/4	
1/2	1,862.91	1/2	1,530.55	1/2	1,201.31	1/2	869.12	1/2	538.81	1/2	214.80	1/2		1/2	1/2		1/2	1/2	
3/4	1,855.98	3/4	1,523.63	3/4	1,194.39	3/4	862.21	3/4	532.37	3/4	207.88	3/4		3/4	3/4		3/4	3/4	
9	1,849.06	9	1,516.70	9	1,187.46	9	855.31	9	525.93	9	200.96	9		9		9		9	
1/4	1,842.14	1/4	1,509.78	1/4	1,180.53	1/4	848.40	1/4	519.49	1/4	194.04	1/4		1/4	1/4		1/4	1/4	
1/2	1,835.21	1/2	1,502.85	1/2	1,173.61	1/2	841.50	1/2	513.05	1/2	187.12	1/2		1/2	1/2		1/2	1/2	
3/4	1,828.29	3/4	1,495.93	3/4	1,166.68	3/4	834.59	3/4	506.61	3/4	180.21	3/4		3/4	3/4		3/4	3/4	
10	1,821.36	10	1,489.01	10	1,159.76	10	827.69	10	500.17	10	173.29	10		10		10		10	
1/4	1,814.44	1/4	1,482.08	1/4	1,152.83	1/4	820.78	1/4	493.73	1/4	166.37	1/4		1/4	1/4		1/4	1/4	
1/2	1,807.51	1/2	1,475.16	1/2	1,145.91	1/2	813.88	1/2	487.30	1/2	159.46	1/2		1/2	1/2		1/2	1/2	
3/4	1,800.59	3/4	1,468.23	3/4	1,138.98	3/4	806.97	3/4	480.86	3/4	152.55	3/4		3/4	3/4		3/4	3/4	
11	1,793.67	11	1,461.31	11	1,132.06	11	800.07	11	474.42	11	145.64	11		11		11		11	
1/4	1,786.74	1/4	1,454.39	1/4	1,125.13	1/4	793.16	1/4	467.98	1/4	138.72	1/4		1/4	1/4		1/4	1/4	
1/2	1,779.82	1/2	1,447.53	1/2	1,118.21	1/2	786.26	1/2	461.54	1/2	131.82	1/2		1/2	1/2		1/2	1/2	
3/4	1,772.89	3/4	1,440.67	3/4	1,111.28	3/4	779.35	3/4	455.10	3/4	124.92	3/4		3/4	3/4		3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/29/2015 SW  
CALCULATED: 09/29/2015 CL  
PRINTED: 09/30/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2015

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



# BARGE "KIRBY 28711"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	5,079.76	0	4,734.25	0	4,375.16	0	4,002.12	0	3,616.62	0	3,229.17	0	2,841.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,072.71	1/4	4,726.90	1/4	4,367.52	1/4	3,994.19	1/4	3,608.55	1/4	3,221.09	1/4	2,833.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,065.67	1/2	4,719.54	1/2	4,359.89	1/2	3,986.26	1/2	3,600.47	1/2	3,213.02	1/2	2,825.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,058.63	3/4	4,712.19	3/4	4,352.25	3/4	3,978.33	3/4	3,592.40	3/4	3,204.95	3/4	2,817.50
1		1		1		1	5,051.59	1	4,704.83	1	4,344.62	1	3,970.39	1	3,584.33	1	3,196.88	1	2,809.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,044.49	1/4	4,697.46	1/4	4,336.96	1/4	3,962.44	1/4	3,576.26	1/4	3,188.81	1/4	2,801.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,037.40	1/2	4,690.09	1/2	4,329.30	1/2	3,954.48	1/2	3,568.19	1/2	3,180.73	1/2	2,793.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,030.30	3/4	4,682.71	3/4	4,321.64	3/4	3,946.53	3/4	3,560.11	3/4	3,172.66	3/4	2,785.21
2		2		2		2	5,023.21	2	4,675.34	2	4,313.98	2	3,938.57	2	3,552.04	2	3,164.59	2	2,777.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,016.09	1/4	4,667.94	1/4	4,306.30	1/4	3,930.59	1/4	3,543.97	1/4	3,156.52	1/4	2,769.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,008.97	1/2	4,660.54	1/2	4,298.62	1/2	3,922.61	1/2	3,535.90	1/2	3,148.45	1/2	2,761.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,001.85	3/4	4,653.14	3/4	4,290.94	3/4	3,914.63	3/4	3,527.83	3/4	3,140.38	3/4	2,752.92
3		3		3		3	4,994.73	3	4,645.75	3	4,283.26	3	3,906.65	3	3,519.75	3	3,132.30	3	2,744.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,987.58	1/4	4,638.32	1/4	4,275.55	1/4	3,898.64	1/4	3,511.68	1/4	3,124.23	1/4	2,736.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,980.44	1/2	4,630.90	1/2	4,267.85	1/2	3,890.64	1/2	3,503.61	1/2	3,116.16	1/2	2,728.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,973.30	3/4	4,623.47	3/4	4,260.15	3/4	3,882.63	3/4	3,495.54	3/4	3,108.09	3/4	2,720.64
4		4		4		4	4,966.15	4	4,616.05	4	4,252.45	4	3,874.63	4	3,487.47	4	3,100.02	4	2,712.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,958.99	1/4	4,608.60	1/4	4,244.72	1/4	3,866.60	1/4	3,479.39	1/4	3,091.94	1/4	2,704.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,951.82	1/2	4,601.15	1/2	4,237.00	1/2	3,858.58	1/2	3,471.32	1/2	3,083.87	1/2	2,696.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,944.66	3/4	4,593.70	3/4	4,229.27	3/4	3,850.55	3/4	3,463.25	3/4	3,075.80	3/4	2,688.35
5		5		5		5	4,937.50	5	4,586.25	5	4,221.55	5	3,842.52	5	3,455.18	5	3,067.73	5	2,680.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,930.31	1/4	4,578.78	1/4	4,213.80	1/4	3,834.47	1/4	3,447.11	1/4	3,059.66	1/4	2,672.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,923.12	1/2	4,571.31	1/2	4,206.05	1/2	3,826.42	1/2	3,439.04	1/2	3,051.58	1/2	2,664.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,915.94	3/4	4,563.84	3/4	4,198.30	3/4	3,818.37	3/4	3,430.96	3/4	3,043.51	3/4	2,656.06
6		6		6		6	4,908.75	6	4,556.37	6	4,190.54	6	3,810.33	6	3,422.89	6	3,035.44	6	2,647.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,901.54	1/4	4,548.88	1/4	4,182.76	1/4	3,802.26	1/4	3,414.82	1/4	3,027.37	1/4	2,639.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,220.34	1/2	4,894.32	1/2	4,541.39	1/2	4,174.97	1/2	3,794.19	1/2	3,406.75	1/2	3,019.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,216.15	3/4	4,887.11	3/4	4,533.90	3/4	4,167.19	3/4	3,786.12	3/4	3,398.68	3/4	3,011.22
7		7		7		7	5,211.95	7	4,879.90	7	4,526.41	7	4,159.40	7	3,778.06	7	3,390.60	7	3,003.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,206.40	1/4	4,872.66	1/4	4,518.89	1/4	4,151.59	1/4	3,769.98	1/4	3,382.53	1/4	2,995.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,200.85	1/2	4,865.42	1/2	4,511.38	1/2	4,143.77	1/2	3,761.91	1/2	3,374.46	1/2	2,987.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,195.29	3/4	4,858.18	3/4	4,503.86	3/4	4,135.96	3/4	3,753.84	3/4	3,366.39	3/4	2,978.94
8		8		8		8	5,189.74	8	4,850.94	8	4,496.35	8	4,128.14	8	3,745.77	8	3,358.32	8	2,970.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,183.16	1/4	4,843.68	1/4	4,488.81	1/4	4,120.30	1/4	3,737.70	1/4	3,350.24	1/4	2,962.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,176.57	1/2	4,836.42	1/2	4,481.27	1/2	4,112.46	1/2	3,729.62	1/2	3,342.17	1/2	2,954.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,169.99	3/4	4,829.16	3/4	4,473.73	3/4	4,104.63	3/4	3,721.55	3/4	3,334.10	3/4	2,946.65
9		9		9		9	5,163.41	9	4,821.90	9	4,466.19	9	4,096.79	9	3,713.48	9	3,326.03	9	2,938.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,156.46	1/4	4,814.62	1/4	4,458.63	1/4	4,088.92	1/4	3,705.41	1/4	3,317.96	1/4	2,930.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,149.51	1/2	4,807.34	1/2	4,451.06	1/2	4,081.06	1/2	3,697.34	1/2	3,309.89	1/2	2,922.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,142.57	3/4	4,800.06	3/4	4,443.50	3/4	4,073.19	3/4	3,689.26	3/4	3,301.81	3/4	2,914.36
10		10		10		10	5,135.62	10	4,792.78	10	4,435.93	10	4,065.33	10	3,681.19	10	3,293.74	10	2,906.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,128.65	1/4	4,785.48	1/4	4,428.35	1/4	4,057.44	1/4	3,673.12	1/4	3,285.67	1/4	2,898.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,121.67	1/2	4,778.17	1/2	4,420.76	1/2	4,049.55	1/2	3,665.05	1/2	3,277.60	1/2	2,890.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,114.70	3/4	4,770.87	3/4	4,413.18	3/4	4,041.66	3/4	3,656.98	3/4	3,269.53	3/4	2,882.07
11		11		11		11	5,107.73	11	4,763.57	11	4,405.59	11	4,033.77	11	3,648.90	11	3,261.45	11	2,874.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,100.74	1/4	4,756.24	1/4	4,397.98	1/4	4,025.86	1/4	3,640.83	1/4	3,253.38	1/4	2,865.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,093.74	1/2	4,748.91	1/2	4,390.37	1/2	4,017.95	1/2	3,632.76	1/2	3,245.31	1/2	2,857.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,086.75	3/4	4,741.58	3/4	4,382.77	3/4	4,010.04	3/4	3,624.69	3/4	3,237.24	3/4	2,849.79

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 UNDERSIDE OF DECK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 42'-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 28711"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	2,454.23	0	2,066.66	0	1,679.09	0	1,295.68	0	919.61	0	546.02	0	161.60	0		0		0	
1/4	2,446.16	1/4	2,058.59	1/4	1,671.10	1/4	1,287.60	1/4	911.94	1/4	538.43	1/4	153.55	1/4		1/4		1/4	
1/2	2,438.09	1/2	2,050.51	1/2	1,663.11	1/2	1,279.53	1/2	904.26	1/2	530.84	1/2	145.51	1/2		1/2		1/2	
3/4	2,430.01	3/4	2,042.44	3/4	1,655.13	3/4	1,271.45	3/4	896.58	3/4	523.25	3/4	137.46	3/4		3/4		3/4	
1	2,421.94	1	2,034.37	1	1,647.14	1	1,263.38	1	888.91	1	515.66	1	129.41	1		1		1	
1/4	2,413.86	1/4	2,026.29	1/4	1,639.24	1/4	1,255.30	1/4	881.23	1/4	507.83	1/4	121.39	1/4		1/4		1/4	
1/2	2,405.79	1/2	2,018.22	1/2	1,631.33	1/2	1,247.23	1/2	873.55	1/2	500.00	1/2	113.36	1/2		1/2		1/2	
3/4	2,397.71	3/4	2,010.14	3/4	1,623.43	3/4	1,239.15	3/4	865.87	3/4	492.17	3/4	105.34	3/4		3/4		3/4	
2	2,389.64	2	2,002.07	2	1,615.53	2	1,231.08	2	858.20	2	484.34	2	97.31	2		2		2	
1/4	2,381.56	1/4	1,993.99	1/4	1,607.63	1/4	1,223.00	1/4	850.52	1/4	476.27	1/4	89.32	1/4		1/4		1/4	
1/2	2,373.49	1/2	1,985.92	1/2	1,599.73	1/2	1,214.93	1/2	842.84	1/2	468.20	1/2	81.33	1/2		1/2		1/2	
3/4	2,365.42	3/4	1,977.84	3/4	1,591.83	3/4	1,206.85	3/4	835.16	3/4	460.13	3/4	73.34	3/4		3/4		3/4	
3	2,357.34	3	1,969.77	3	1,583.93	3	1,198.78	3	827.49	3	452.06	3	65.35	3		3		3	
1/4	2,349.27	1/4	1,961.70	1/4	1,576.03	1/4	1,190.70	1/4	819.81	1/4	443.99	1/4	58.01	1/4		1/4		1/4	
1/2	2,341.19	1/2	1,953.62	1/2	1,568.13	1/2	1,182.63	1/2	812.13	1/2	435.92	1/2	50.66	1/2		1/2		1/2	
3/4	2,333.12	3/4	1,945.55	3/4	1,560.24	3/4	1,174.55	3/4	804.46	3/4	427.85	3/4	43.32	3/4		3/4		3/4	
4	2,325.04	4	1,937.47	4	1,552.34	4	1,166.48	4	796.78	4	419.78	4	35.98	4		4		4	
1/4	2,316.97	1/4	1,929.40	1/4	1,544.44	1/4	1,158.58	1/4	788.90	1/4	411.71	1/4	30.60	1/4		1/4		1/4	
1/2	2,308.89	1/2	1,921.32	1/2	1,536.54	1/2	1,150.68	1/2	781.03	1/2	403.64	1/2	25.23	1/2		1/2		1/2	
3/4	2,300.82	3/4	1,913.25	3/4	1,528.64	3/4	1,142.78	3/4	773.15	3/4	395.57	3/4	19.85	3/4		3/4		3/4	
5	2,292.75	5	1,905.17	5	1,520.74	5	1,134.88	5	765.27	5	387.50	5	14.47	5		5		5	
1/4	2,284.67	1/4	1,897.10	1/4	1,512.84	1/4	1,127.15	1/4	757.20	1/4	379.43	1/4		1/4		1/4		1/4	
1/2	2,276.60	1/2	1,889.03	1/2	1,504.93	1/2	1,119.42	1/2	749.13	1/2	371.36	1/2		1/2		1/2		1/2	
3/4	2,268.52	3/4	1,880.95	3/4	1,497.03	3/4	1,111.69	3/4	741.06	3/4	363.29	3/4		3/4		3/4		3/4	
6	2,260.45	6	1,872.88	6	1,489.13	6	1,103.97	6	732.99	6	355.22	6		6		6		6	
1/4	2,252.37	1/4	1,864.80	1/4	1,481.14	1/4	1,096.27	1/4	724.92	1/4	347.15	1/4		1/4		1/4		1/4	
1/2	2,244.30	1/2	1,856.73	1/2	1,473.15	1/2	1,088.56	1/2	716.85	1/2	339.08	1/2		1/2		1/2		1/2	
3/4	2,236.23	3/4	1,848.65	3/4	1,465.16	3/4	1,080.86	3/4	708.78	3/4	331.01	3/4		3/4		3/4		3/4	
7	2,228.15	7	1,840.58	7	1,457.17	7	1,073.16	7	700.71	7	322.94	7		7		7		7	
1/4	2,220.08	1/4	1,832.51	1/4	1,449.10	1/4	1,065.48	1/4	692.64	1/4	314.87	1/4		1/4		1/4		1/4	
1/2	2,212.00	1/2	1,824.43	1/2	1,441.02	1/2	1,057.81	1/2	684.57	1/2	306.80	1/2		1/2		1/2		1/2	
3/4	2,203.93	3/4	1,816.36	3/4	1,432.95	3/4	1,050.13	3/4	676.50	3/4	298.73	3/4		3/4		3/4		3/4	
8	2,195.85	8	1,808.28	8	1,424.87	8	1,042.45	8	668.43	8	290.66	8		8		8		8	
1/4	2,187.78	1/4	1,800.21	1/4	1,416.80	1/4	1,034.77	1/4	660.60	1/4	282.59	1/4		1/4		1/4		1/4	
1/2	2,179.70	1/2	1,792.13	1/2	1,408.72	1/2	1,027.10	1/2	652.77	1/2	274.52	1/2		1/2		1/2		1/2	
3/4	2,171.63	3/4	1,784.06	3/4	1,400.65	3/4	1,019.42	3/4	644.94	3/4	266.45	3/4		3/4		3/4		3/4	
9	2,163.56	9	1,775.98	9	1,392.57	9	1,011.74	9	637.11	9	258.38	9		9		9		9	
1/4	2,155.48	1/4	1,767.91	1/4	1,384.50	1/4	1,004.07	1/4	629.52	1/4	250.31	1/4		1/4		1/4		1/4	
1/2	2,147.41	1/2	1,759.84	1/2	1,376.42	1/2	996.39	1/2	621.93	1/2	242.24	1/2		1/2		1/2		1/2	
3/4	2,139.33	3/4	1,751.76	3/4	1,368.35	3/4	988.71	3/4	614.34	3/4	234.17	3/4		3/4		3/4		3/4	
10	2,131.26	10	1,743.69	10	1,360.27	10	981.03	10	606.75	10	226.10	10		10		10		10	
1/4	2,123.18	1/4	1,735.61	1/4	1,352.20	1/4	973.36	1/4	599.16	1/4	218.04	1/4		1/4		1/4		1/4	
1/2	2,115.11	1/2	1,727.54	1/2	1,344.12	1/2	965.68	1/2	591.57	1/2	209.97	1/2		1/2		1/2		1/2	
3/4	2,107.03	3/4	1,719.46	3/4	1,336.05	3/4	958.00	3/4	583.98	3/4	201.90	3/4		3/4		3/4		3/4	
11	2,098.96	11	1,711.39	11	1,327.97	11	950.32	11	576.39	11	193.84	11		11		11		11	
1/4	2,090.89	1/4	1,703.31	1/4	1,319.90	1/4	942.65	1/4	568.79	1/4	185.78	1/4		1/4		1/4		1/4	
1/2	2,082.81	1/2	1,695.24	1/2	1,311.82	1/2	934.97	1/2	561.20	1/2	177.72	1/2		1/2		1/2		1/2	
3/4	2,074.74	3/4	1,687.17	3/4	1,303.75	3/4	927.29	3/4	553.61	3/4	169.66	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/29/2015 SW  
CALCULATED: 09/29/2015 CL  
PRINTED: 09/30/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2015

PRECISION MEASUREMENT  
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# BARGE "KIRBY 28711"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/2"

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	5,087.82	0	4,741.50	0	4,381.60	0	4,007.68	0	3,621.55	0	3,233.75	0	2,845.95
1/4		1/4		1/4		1/4	5,080.78	1/4	4,734.14	1/4	4,373.96	1/4	3,999.74	1/4	3,613.48	1/4	3,225.67	1/4	2,837.87
1/2		1/2		1/2		1/2	5,073.73	1/2	4,726.78	1/2	4,366.32	1/2	3,991.80	1/2	3,605.40	1/2	3,217.59	1/2	2,829.79
3/4		3/4		3/4		3/4	5,066.63	3/4	4,719.40	3/4	4,358.65	3/4	3,983.83	3/4	3,597.32	3/4	3,209.52	3/4	2,821.71
1		1		1		1	5,059.53	1	4,712.02	1	4,350.99	1	3,975.87	1	3,589.24	1	3,201.44	1	2,813.63
1/4		1/4		1/4		1/4	5,052.44	1/4	4,704.64	1/4	4,343.32	1/4	3,967.91	1/4	3,581.16	1/4	3,193.36	1/4	2,805.56
1/2		1/2		1/2		1/2	5,045.34	1/2	4,697.27	1/2	4,335.66	1/2	3,959.95	1/2	3,573.08	1/2	3,185.28	1/2	2,797.48
3/4		3/4		3/4		3/4	5,038.21	3/4	4,689.86	3/4	4,327.97	3/4	3,951.96	3/4	3,565.00	3/4	3,177.20	3/4	2,789.40
2		2		2		2	5,031.09	2	4,682.46	2	4,320.28	2	3,943.97	2	3,556.92	2	3,169.12	2	2,781.32
1/4		1/4		1/4		1/4	5,023.97	1/4	4,675.06	1/4	4,312.60	1/4	3,935.99	1/4	3,548.84	1/4	3,161.04	1/4	2,773.24
1/2		1/2		1/2		1/2	5,016.84	1/2	4,667.66	1/2	4,304.91	1/2	3,928.00	1/2	3,540.76	1/2	3,152.96	1/2	2,765.16
3/4		3/4		3/4		3/4	5,009.69	3/4	4,660.23	3/4	4,297.20	3/4	3,919.98	3/4	3,532.68	3/4	3,144.88	3/4	2,757.08
3		3		3		3	5,002.55	3	4,652.80	3	4,289.49	3	3,911.97	3	3,524.60	3	3,136.80	3	2,749.00
1/4		1/4		1/4		1/4	4,995.40	1/4	4,645.37	1/4	4,281.79	1/4	3,903.96	1/4	3,516.53	1/4	3,128.72	1/4	2,740.92
1/2		1/2		1/2		1/2	4,988.25	1/2	4,637.94	1/2	4,274.08	1/2	3,895.95	1/2	3,508.45	1/2	3,120.64	1/2	2,732.84
3/4		3/4		3/4		3/4	4,981.09	3/4	4,630.49	3/4	4,266.35	3/4	3,887.91	3/4	3,500.37	3/4	3,112.57	3/4	2,724.76
4		4		4		4	4,973.92	4	4,623.03	4	4,258.62	4	3,879.88	4	3,492.29	4	3,104.49	4	2,716.68
1/4		1/4		1/4		1/4	4,966.75	1/4	4,615.58	1/4	4,250.89	1/4	3,871.85	1/4	3,484.21	1/4	3,096.41	1/4	2,708.61
1/2		1/2		1/2		1/2	4,959.58	1/2	4,608.12	1/2	4,243.16	1/2	3,863.81	1/2	3,476.13	1/2	3,088.33	1/2	2,700.53
3/4		3/4		3/4		3/4	4,952.39	3/4	4,600.65	3/4	4,235.40	3/4	3,855.76	3/4	3,468.05	3/4	3,080.25	3/4	2,692.45
5		5		5		5	4,945.20	5	4,593.17	5	4,227.64	5	3,847.70	5	3,459.97	5	3,072.17	5	2,684.37
1/4		1/4		1/4		1/4	4,938.01	1/4	4,585.70	1/4	4,219.88	1/4	3,839.64	1/4	3,451.89	1/4	3,064.09	1/4	2,676.29
1/2		1/2		1/2		1/2	4,930.82	1/2	4,578.22	1/2	4,212.13	1/2	3,831.59	1/2	3,443.81	1/2	3,056.01	1/2	2,668.21
3/4		3/4		3/4		3/4	4,923.60	3/4	4,570.73	3/4	4,204.34	3/4	3,823.51	3/4	3,435.73	3/4	3,047.93	3/4	2,660.13
6		6		6	5,242.56	6	4,916.38	6	4,563.23	6	4,196.55	6	3,815.44	6	3,427.65	6	3,039.85	6	2,652.05
1/4		1/4		1/4	5,238.36	1/4	4,909.17	1/4	4,555.73	1/4	4,188.75	1/4	3,807.37	1/4	3,419.57	1/4	3,031.77	1/4	2,643.97
1/2		1/2		1/2	5,234.17	1/2	4,901.95	1/2	4,548.24	1/2	4,180.96	1/2	3,799.30	1/2	3,411.50	1/2	3,023.69	1/2	2,635.89
3/4		3/4		3/4	5,228.61	3/4	4,894.71	3/4	4,540.72	3/4	4,173.14	3/4	3,791.22	3/4	3,403.42	3/4	3,015.61	3/4	2,627.81
7		7		7	5,223.06	7	4,887.46	7	4,533.20	7	4,165.32	7	3,783.14	7	3,395.34	7	3,007.54	7	2,619.73
1/4		1/4		1/4	5,217.51	1/4	4,880.22	1/4	4,525.68	1/4	4,157.50	1/4	3,775.06	1/4	3,387.26	1/4	2,999.46	1/4	2,611.65
1/2		1/2		1/2	5,211.95	1/2	4,872.98	1/2	4,518.16	1/2	4,149.67	1/2	3,766.98	1/2	3,379.18	1/2	2,991.38	1/2	2,603.58
3/4		3/4		3/4	5,205.37	3/4	4,865.71	3/4	4,510.62	3/4	4,141.83	3/4	3,758.90	3/4	3,371.10	3/4	2,983.30	3/4	2,595.50
8		8		8	5,198.78	8	4,858.45	8	4,503.07	8	4,133.99	8	3,750.82	8	3,363.02	8	2,975.22	8	2,587.41
1/4		1/4		1/4	5,192.19	1/4	4,851.19	1/4	4,495.52	1/4	4,126.14	1/4	3,742.74	1/4	3,354.94	1/4	2,967.14	1/4	2,579.33
1/2		1/2		1/2	5,185.61	1/2	4,843.92	1/2	4,487.98	1/2	4,118.30	1/2	3,734.66	1/2	3,346.86	1/2	2,959.06	1/2	2,571.25
3/4		3/4		3/4	5,178.65	3/4	4,836.64	3/4	4,480.41	3/4	4,110.42	3/4	3,726.58	3/4	3,338.78	3/4	2,950.98	3/4	2,563.17
9		9		9	5,171.70	9	4,829.35	9	4,472.84	9	4,102.55	9	3,718.51	9	3,330.70	9	2,942.90	9	2,555.09
1/4		1/4		1/4	5,164.75	1/4	4,822.07	1/4	4,465.27	1/4	4,094.68	1/4	3,710.43	1/4	3,322.62	1/4	2,934.82	1/4	2,547.01
1/2		1/2		1/2	5,157.80	1/2	4,814.78	1/2	4,457.70	1/2	4,086.81	1/2	3,702.35	1/2	3,314.55	1/2	2,926.74	1/2	2,538.93
3/4		3/4		3/4	5,150.83	3/4	4,807.48	3/4	4,450.11	3/4	4,078.91	3/4	3,694.27	3/4	3,306.47	3/4	2,918.66	3/4	2,530.85
10		10		10	5,143.85	10	4,800.17	10	4,442.52	10	4,071.02	10	3,686.19	10	3,298.39	10	2,910.59	10	2,522.76
1/4		1/4		1/4	5,136.88	1/4	4,792.86	1/4	4,434.93	1/4	4,063.12	1/4	3,678.11	1/4	3,290.31	1/4	2,902.51	1/4	2,514.68
1/2		1/2		1/2	5,129.90	1/2	4,785.55	1/2	4,427.34	1/2	4,055.22	1/2	3,670.03	1/2	3,282.23	1/2	2,894.43	1/2	2,506.60
3/4		3/4		3/4	5,122.90	3/4	4,778.22	3/4	4,419.72	3/4	4,047.30	3/4	3,661.95	3/4	3,274.15	3/4	2,886.35	3/4	2,498.52
11		11		11	5,115.91	11	4,770.88	11	4,412.11	11	4,039.39	11	3,653.87	11	3,266.07	11	2,878.27	11	2,490.44
1/4		1/4		1/4	5,108.91	1/4	4,763.55	1/4	4,404.49	1/4	4,031.47	1/4	3,645.79	1/4	3,257.99	1/4	2,870.19	1/4	2,482.36
1/2		1/2		1/2	5,101.92	1/2	4,756.22	1/2	4,396.88	1/2	4,023.55	1/2	3,637.71	1/2	3,249.91	1/2	2,862.11	1/2	2,474.27
3/4		3/4		3/4	5,094.87	3/4	4,748.86	3/4	4,389.24	3/4	4,015.61	3/4	3,629.63	3/4	3,241.83	3/4	2,854.03	3/4	2,466.19

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 UNDERSIDE OF DECK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 42'-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 28711"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/2"

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	2,458.11	0	2,070.89	0	1,686.42	0	1,298.53	0	911.08	0	531.31	0	145.63	0		0		0	
1/4	2,450.03	1/4	2,062.98	1/4	1,678.34	1/4	1,290.45	1/4	903.02	1/4	523.71	1/4	137.58	1/4		1/4		1/4	
1/2	2,441.95	1/2	2,055.07	1/2	1,670.25	1/2	1,282.36	1/2	894.96	1/2	516.12	1/2	129.53	1/2		1/2		1/2	
3/4	2,433.87	3/4	2,047.16	3/4	1,662.17	3/4	1,274.28	3/4	886.89	3/4	508.28	3/4	121.49	3/4		3/4		3/4	
1	2,425.79	1	2,039.25	1	1,654.09	1	1,266.20	1	878.83	1	500.45	1	113.46	1		1		1	
1/4	2,417.70	1/4	2,031.34	1/4	1,646.01	1/4	1,258.12	1/4	870.77	1/4	492.61	1/4	105.43	1/4		1/4		1/4	
1/2	2,409.62	1/2	2,023.43	1/2	1,637.93	1/2	1,250.04	1/2	862.71	1/2	484.77	1/2	97.40	1/2		1/2		1/2	
3/4	2,401.54	3/4	2,015.52	3/4	1,629.85	3/4	1,241.95	3/4	854.65	3/4	476.69	3/4	89.40	3/4		3/4		3/4	
2	2,393.46	2	2,007.61	2	1,621.77	2	1,233.87	2	846.59	2	468.62	2	81.40	2		2		2	
1/4	2,385.38	1/4	1,999.70	1/4	1,613.69	1/4	1,225.79	1/4	838.53	1/4	460.54	1/4	73.41	1/4		1/4		1/4	
1/2	2,377.30	1/2	1,991.79	1/2	1,605.61	1/2	1,217.71	1/2	830.46	1/2	452.46	1/2	65.41	1/2		1/2		1/2	
3/4	2,369.21	3/4	1,983.89	3/4	1,597.54	3/4	1,209.63	3/4	822.40	3/4	444.39	3/4	58.06	3/4		3/4		3/4	
3	2,361.13	3	1,975.98	3	1,589.46	3	1,201.54	3	814.34	3	436.31	3	50.71	3		3		3	
1/4	2,353.05	1/4	1,968.07	1/4	1,581.38	1/4	1,193.46	1/4	806.28	1/4	428.23	1/4	43.36	1/4		1/4		1/4	
1/2	2,344.97	1/2	1,960.16	1/2	1,573.31	1/2	1,185.38	1/2	798.22	1/2	420.15	1/2	36.01	1/2		1/2		1/2	
3/4	2,336.89	3/4	1,952.25	3/4	1,565.23	3/4	1,177.30	3/4	790.15	3/4	412.08	3/4	30.63	3/4		3/4		3/4	
4	2,328.81	4	1,944.34	4	1,557.15	4	1,169.22	4	782.07	4	404.00	4	25.25	4		4		4	
1/4	2,320.72	1/4	1,936.43	1/4	1,549.07	1/4	1,161.13	1/4	774.00	1/4	395.92	1/4	19.87	1/4		1/4		1/4	
1/2	2,312.64	1/2	1,928.52	1/2	1,540.99	1/2	1,153.05	1/2	765.93	1/2	387.85	1/2	14.49	1/2		1/2		1/2	
3/4	2,304.56	3/4	1,920.53	3/4	1,532.91	3/4	1,144.97	3/4	757.85	3/4	379.77	3/4		3/4		3/4		3/4	
5	2,296.48	5	1,912.53	5	1,524.82	5	1,136.89	5	749.77	5	371.69	5	5	5		5		5	
1/4	2,288.40	1/4	1,904.53	1/4	1,516.74	1/4	1,128.81	1/4	741.69	1/4	363.61	1/4		1/4		1/4		1/4	
1/2	2,280.32	1/2	1,896.54	1/2	1,508.66	1/2	1,120.72	1/2	733.61	1/2	355.54	1/2		1/2		1/2		1/2	
3/4	2,272.23	3/4	1,888.46	3/4	1,500.58	3/4	1,112.65	3/4	725.54	3/4	347.46	3/4		3/4		3/4		3/4	
6	2,264.15	6	1,880.38	6	1,492.50	6	1,104.58	6	717.46	6	339.38	6	6	6		6		6	
1/4	2,256.07	1/4	1,872.29	1/4	1,484.41	1/4	1,096.51	1/4	709.38	1/4	331.31	1/4		1/4		1/4		1/4	
1/2	2,247.99	1/2	1,864.21	1/2	1,476.33	1/2	1,088.43	1/2	701.30	1/2	323.23	1/2		1/2		1/2		1/2	
3/4	2,239.91	3/4	1,856.13	3/4	1,468.25	3/4	1,080.37	3/4	693.23	3/4	315.15	3/4		3/4		3/4		3/4	
7	2,231.83	7	1,848.05	7	1,460.17	7	1,072.31	7	685.15	7	307.07	7	7	7		7		7	
1/4	2,223.75	1/4	1,839.97	1/4	1,452.09	1/4	1,064.25	1/4	677.07	1/4	299.00	1/4		1/4		1/4		1/4	
1/2	2,215.66	1/2	1,831.89	1/2	1,444.00	1/2	1,056.19	1/2	669.00	1/2	290.92	1/2		1/2		1/2		1/2	
3/4	2,207.58	3/4	1,823.81	3/4	1,435.92	3/4	1,048.13	3/4	661.16	3/4	282.84	3/4		3/4		3/4		3/4	
8	2,199.50	8	1,815.72	8	1,427.84	8	1,040.07	8	653.32	8	274.76	8	8	8		8		8	
1/4	2,191.42	1/4	1,807.64	1/4	1,419.76	1/4	1,032.00	1/4	645.49	1/4	266.69	1/4		1/4		1/4		1/4	
1/2	2,183.34	1/2	1,799.56	1/2	1,411.68	1/2	1,023.94	1/2	637.65	1/2	258.61	1/2		1/2		1/2		1/2	
3/4	2,175.26	3/4	1,791.48	3/4	1,403.59	3/4	1,015.88	3/4	630.06	3/4	250.53	3/4		3/4		3/4		3/4	
9	2,167.17	9	1,783.40	9	1,395.51	9	1,007.82	9	622.46	9	242.46	9	9	9		9		9	
1/4	2,159.09	1/4	1,775.32	1/4	1,387.43	1/4	999.76	1/4	614.86	1/4	234.38	1/4		1/4		1/4		1/4	
1/2	2,151.01	1/2	1,767.23	1/2	1,379.35	1/2	991.70	1/2	607.27	1/2	226.30	1/2		1/2		1/2		1/2	
3/4	2,142.93	3/4	1,759.15	3/4	1,371.27	3/4	983.63	3/4	599.67	3/4	218.23	3/4		3/4		3/4		3/4	
10	2,134.85	10	1,751.07	10	1,363.18	10	975.57	10	592.08	10	210.15	10	10	10		10		10	
1/4	2,126.77	1/4	1,742.99	1/4	1,355.10	1/4	967.51	1/4	584.48	1/4	202.08	1/4		1/4		1/4		1/4	
1/2	2,118.68	1/2	1,734.91	1/2	1,347.02	1/2	959.45	1/2	576.89	1/2	194.01	1/2		1/2		1/2		1/2	
3/4	2,110.69	3/4	1,726.83	3/4	1,338.94	3/4	951.39	3/4	569.29	3/4	185.94	3/4		3/4		3/4		3/4	
11	2,102.69	11	1,718.74	11	1,330.86	11	943.33	11	561.69	11	177.87	11	11	11		11		11	
1/4	2,094.70	1/4	1,710.66	1/4	1,322.77	1/4	935.26	1/4	554.10	1/4	169.81	1/4		1/4		1/4		1/4	
1/2	2,086.70	1/2	1,702.58	1/2	1,314.69	1/2	927.20	1/2	546.50	1/2	161.74	1/2		1/2		1/2		1/2	
3/4	2,078.80	3/4	1,694.50	3/4	1,306.61	3/4	919.14	3/4	538.91	3/4	153.69	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/29/2015 SW  
CALCULATED: 09/29/2015 CL  
PRINTED: 09/30/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2015

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "KIRBY 28711"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-02 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	4,016.29	0	3,835.14	0	3,641.03	0	3,433.84	0	3,214.90	0	2,944.71	0	2,585.14
1/4		1/4		1/4		1/4	4,012.69	1/4	3,831.23	1/4	3,636.85	1/4	3,429.39	1/4	3,210.29	1/4	2,937.22	1/4	2,577.65
1/2		1/2		1/2		1/2	4,009.08	1/2	3,827.31	1/2	3,632.67	1/2	3,424.93	1/2	3,205.67	1/2	2,929.73	1/2	2,570.16
3/4		3/4		3/4		3/4	4,005.48	3/4	3,823.39	3/4	3,628.49	3/4	3,420.48	3/4	3,201.06	3/4	2,922.23	3/4	2,562.67
1		1		1		1	4,001.86	1	3,819.45	1	3,624.28	1	3,416.01	1	3,196.44	1	2,914.74	1	2,555.18
1/4		1/4		1/4		1/4	3,998.23	1/4	3,815.51	1/4	3,620.07	1/4	3,411.53	1/4	3,191.83	1/4	2,907.25	1/4	2,547.68
1/2		1/2		1/2		1/2	3,994.61	1/2	3,811.56	1/2	3,615.86	1/2	3,407.06	1/2	3,187.21	1/2	2,899.76	1/2	2,540.19
3/4		3/4		3/4		3/4	3,990.98	3/4	3,807.62	3/4	3,611.65	3/4	3,402.58	3/4	3,182.60	3/4	2,892.27	3/4	2,532.70
2		2		2		2	3,987.29	2	3,803.66	2	3,607.41	2	3,398.09	2	3,177.99	2	2,884.78	2	2,525.21
1/4		1/4		1/4		1/4	3,983.59	1/4	3,799.70	1/4	3,603.17	1/4	3,393.59	1/4	3,173.38	1/4	2,877.29	1/4	2,517.72
1/2		1/2		1/2		1/2	3,979.89	1/2	3,795.74	1/2	3,598.93	1/2	3,389.10	1/2	3,168.78	1/2	2,869.80	1/2	2,510.23
3/4		3/4		3/4		3/4	3,976.19	3/4	3,791.77	3/4	3,594.69	3/4	3,384.60	3/4	3,164.17	3/4	2,862.31	3/4	2,502.74
3		3		3		3	3,972.47	3	3,787.79	3	3,590.43	3	3,380.08	3	3,159.57	3	2,854.82	3	2,495.25
1/4		1/4		1/4		1/4	3,968.75	1/4	3,783.81	1/4	3,586.17	1/4	3,375.57	1/4	3,154.96	1/4	2,847.32	1/4	2,487.76
1/2		1/2		1/2		1/2	3,965.03	1/2	3,779.83	1/2	3,581.92	1/2	3,371.05	1/2	3,150.36	1/2	2,839.83	1/2	2,480.27
3/4		3/4		3/4		3/4	3,961.31	3/4	3,775.85	3/4	3,577.66	3/4	3,366.53	3/4	3,145.75	3/4	2,832.34	3/4	2,472.77
4		4		4		4	3,957.56	4	3,771.84	4	3,573.38	4	3,361.99	4	3,141.14	4	2,824.85	4	2,465.28
1/4		1/4		1/4		1/4	3,953.81	1/4	3,767.84	1/4	3,569.10	1/4	3,357.45	1/4	3,136.54	1/4	2,817.36	1/4	2,457.79
1/2		1/2		1/2		1/2	3,950.07	1/2	3,763.83	1/2	3,564.82	1/2	3,352.90	1/2	3,131.93	1/2	2,809.87	1/2	2,450.30
3/4		3/4		3/4		3/4	3,946.32	3/4	3,759.83	3/4	3,560.55	3/4	3,348.36	3/4	3,127.33	3/4	2,802.38	3/4	2,442.81
5		5		5		5	3,942.56	5	3,755.80	5	3,556.25	5	3,343.80	5	3,122.72	5	2,794.89	5	2,435.32
1/4		1/4		1/4		1/4	3,938.79	1/4	3,751.77	1/4	3,551.95	1/4	3,339.23	1/4	3,118.11	1/4	2,787.40	1/4	2,427.83
1/2		1/2		1/2		1/2	3,935.03	1/2	3,747.73	1/2	3,547.65	1/2	3,334.67	1/2	3,113.51	1/2	2,779.91	1/2	2,420.34
3/4		3/4		3/4		3/4	3,931.26	3/4	3,743.70	3/4	3,543.35	3/4	3,330.11	3/4	3,108.90	3/4	2,772.41	3/4	2,412.85
6		6		6		6	3,927.48	6	3,739.65	6	3,539.03	6	3,325.53	6	3,104.30	6	2,764.92	6	2,405.36
1/4		1/4		1/4		1/4	3,923.69	1/4	3,735.60	1/4	3,534.71	1/4	3,320.94	1/4	3,099.69	1/4	2,757.43	1/4	2,397.86
1/2		1/2		1/2		1/2	3,919.90	1/2	3,731.55	1/2	3,530.39	1/2	3,316.36	1/2	3,095.08	1/2	2,749.94	1/2	2,390.37
3/4		3/4		3/4		3/4	3,916.12	3/4	3,727.50	3/4	3,526.07	3/4	3,311.78	3/4	3,090.48	3/4	2,742.45	3/4	2,382.88
7		7		7	4,067.73	7	3,912.31	7	3,723.43	7	3,521.72	7	3,307.17	7	3,085.87	7	2,734.96	7	2,375.39
1/4		1/4		1/4	4,067.37	1/4	3,908.50	1/4	3,719.36	1/4	3,517.38	1/4	3,302.57	1/4	3,081.27	1/4	2,727.47	1/4	2,367.90
1/2		1/2		1/2	4,067.01	1/2	3,904.70	1/2	3,715.29	1/2	3,513.03	1/2	3,297.96	1/2	3,076.66	1/2	2,719.98	1/2	2,360.41
3/4		3/4		3/4	4,066.64	3/4	3,900.89	3/4	3,711.22	3/4	3,508.68	3/4	3,293.36	3/4	3,072.05	3/4	2,712.49	3/4	2,352.92
8		8		8	4,065.01	8	3,897.05	8	3,707.13	8	3,504.32	8	3,288.74	8	3,064.56	8	2,705.00	8	2,345.43
1/4		1/4		1/4	4,063.38	1/4	3,893.22	1/4	3,703.03	1/4	3,499.95	1/4	3,284.13	1/4	3,057.07	1/4	2,697.50	1/4	2,337.94
1/2		1/2		1/2	4,061.74	1/2	3,889.38	1/2	3,698.94	1/2	3,495.59	1/2	3,279.51	1/2	3,049.58	1/2	2,690.01	1/2	2,330.45
3/4		3/4		3/4	4,060.11	3/4	3,885.55	3/4	3,694.85	3/4	3,491.22	3/4	3,274.90	3/4	3,042.09	3/4	2,682.52	3/4	2,322.95
9		9		9	4,057.20	9	3,881.69	9	3,690.74	9	3,486.83	9	3,270.28	9	3,034.60	9	2,675.03	9	2,315.46
1/4		1/4		1/4	4,054.29	1/4	3,877.84	1/4	3,686.63	1/4	3,482.45	1/4	3,265.67	1/4	3,027.11	1/4	2,667.54	1/4	2,307.97
1/2		1/2		1/2	4,051.38	1/2	3,873.98	1/2	3,682.51	1/2	3,478.06	1/2	3,261.05	1/2	3,019.62	1/2	2,660.05	1/2	2,300.48
3/4		3/4		3/4	4,048.47	3/4	3,870.13	3/4	3,678.40	3/4	3,473.67	3/4	3,256.44	3/4	3,012.13	3/4	2,652.56	3/4	2,292.99
10		10		10	4,044.91	10	3,866.26	10	3,674.26	10	3,469.27	10	3,251.82	10	3,004.64	10	2,645.07	10	2,285.50
1/4		1/4		1/4	4,041.36	1/4	3,862.38	1/4	3,670.12	1/4	3,464.86	1/4	3,247.21	1/4	2,997.14	1/4	2,637.58	1/4	2,278.02
1/2		1/2		1/2	4,037.80	1/2	3,858.51	1/2	3,665.98	1/2	3,460.45	1/2	3,242.59	1/2	2,989.65	1/2	2,630.09	1/2	2,270.53
3/4		3/4		3/4	4,034.24	3/4	3,854.64	3/4	3,661.84	3/4	3,456.04	3/4	3,237.98	3/4	2,982.16	3/4	2,622.59	3/4	2,263.04
11		11		11	4,030.66	11	3,850.74	11	3,657.68	11	3,451.61	11	3,233.36	11	2,974.67	11	2,615.10	11	2,255.55
1/4		1/4		1/4	4,027.07	1/4	3,846.85	1/4	3,653.53	1/4	3,447.17	1/4	3,228.75	1/4	2,967.18	1/4	2,607.61	1/4	2,248.07
1/2		1/2		1/2	4,023.48	1/2	3,842.95	1/2	3,649.37	1/2	3,442.73	1/2	3,224.13	1/2	2,959.69	1/2	2,600.12	1/2	2,240.58
3/4		3/4		3/4	4,019.90	3/4	3,839.06	3/4	3,645.21	3/4	3,438.30	3/4	3,219.52	3/4	2,952.20	3/4	2,592.63	3/4	2,233.09

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 UNDERSIDE OF DECK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 50'-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 28711"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-02 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	2,225.60	0	1,865.86	0	1,507.86	0	1,151.46	0	800.72	0	452.39	0	97.62	0		0		0	
1/4	2,218.11	1/4	1,858.36	1/4	1,500.41	1/4	1,144.15	1/4	793.54	1/4	445.37	1/4	90.12	1/4		1/4		1/4	
1/2	2,210.62	1/2	1,850.86	1/2	1,492.96	1/2	1,136.83	1/2	786.36	1/2	438.35	1/2	82.63	1/2		1/2		1/2	
3/4	2,203.12	3/4	1,843.36	3/4	1,485.50	3/4	1,129.52	3/4	779.18	3/4	431.32	3/4	75.13	3/4		3/4		3/4	
1	2,195.63	1	1,835.85	1	1,478.05	1	1,122.20	1	772.01	1	424.30	1	67.64	1		1		1	
1/4	2,188.14	1/4	1,828.35	1/4	1,470.60	1/4	1,114.88	1/4	764.83	1/4	417.28	1/4	60.16	1/4		1/4		1/4	
1/2	2,180.65	1/2	1,820.85	1/2	1,463.15	1/2	1,107.57	1/2	757.65	1/2	410.26	1/2	52.67	1/2		1/2		1/2	
3/4	2,173.16	3/4	1,813.35	3/4	1,455.70	3/4	1,100.25	3/4	750.47	3/4	403.24	3/4	45.18	3/4		3/4		3/4	
2	2,165.67	2	1,805.90	2	1,448.20	2	1,092.76	2	743.29	2	396.22	2	38.34	2		2		2	
1/4	2,158.18	1/4	1,798.45	1/4	1,440.71	1/4	1,085.26	1/4	736.11	1/4	389.20	1/4	31.49	1/4		1/4		1/4	
1/2	2,150.69	1/2	1,791.00	1/2	1,433.21	1/2	1,077.76	1/2	728.93	1/2	382.18	1/2	24.65	1/2		1/2		1/2	
3/4	2,143.20	3/4	1,783.54	3/4	1,425.72	3/4	1,070.26	3/4	721.75	3/4	375.16	3/4	17.80	3/4		3/4		3/4	
3	2,135.71	3	1,776.09	3	1,418.22	3	1,062.77	3	714.57	3	367.66	3		3		3		3	
1/4	2,128.22	1/4	1,768.64	1/4	1,410.73	1/4	1,055.27	1/4	707.40	1/4	360.16	1/4		1/4		1/4		1/4	
1/2	2,120.73	1/2	1,761.19	1/2	1,403.23	1/2	1,047.77	1/2	700.22	1/2	352.66	1/2		1/2		1/2		1/2	
3/4	2,113.24	3/4	1,753.74	3/4	1,395.73	3/4	1,040.27	3/4	693.04	3/4	345.16	3/4		3/4		3/4		3/4	
4	2,105.76	4	1,746.29	4	1,388.24	4	1,032.78	4	685.86	4	337.65	4		4		4		4	
1/4	2,098.28	1/4	1,738.84	1/4	1,380.75	1/4	1,025.28	1/4	678.68	1/4	330.15	1/4		1/4		1/4		1/4	
1/2	2,090.79	1/2	1,731.39	1/2	1,373.26	1/2	1,017.78	1/2	671.50	1/2	322.65	1/2		1/2		1/2		1/2	
3/4	2,083.31	3/4	1,723.94	3/4	1,365.77	3/4	1,010.28	3/4	664.32	3/4	315.15	3/4		3/4		3/4		3/4	
5	2,075.83	5	1,716.49	5	1,358.28	5	1,002.79	5	657.14	5	307.65	5		5		5		5	
1/4	2,068.35	1/4	1,709.03	1/4	1,350.79	1/4	995.29	1/4	649.96	1/4	300.15	1/4		1/4		1/4		1/4	
1/2	2,060.86	1/2	1,701.58	1/2	1,343.30	1/2	987.79	1/2	642.79	1/2	292.65	1/2		1/2		1/2		1/2	
3/4	2,053.38	3/4	1,694.13	3/4	1,335.81	3/4	980.30	3/4	635.61	3/4	285.14	3/4		3/4		3/4		3/4	
6	2,045.88	6	1,686.68	6	1,328.31	6	973.10	6	628.10	6	277.64	6		6		6		6	
1/4	2,038.38	1/4	1,679.23	1/4	1,320.81	1/4	965.91	1/4	620.60	1/4	270.14	1/4		1/4		1/4		1/4	
1/2	2,030.89	1/2	1,671.78	1/2	1,313.32	1/2	958.72	1/2	613.09	1/2	262.64	1/2		1/2		1/2		1/2	
3/4	2,023.39	3/4	1,664.33	3/4	1,305.82	3/4	951.53	3/4	605.58	3/4	255.14	3/4		3/4		3/4		3/4	
7	2,015.89	7	1,656.88	7	1,298.33	7	944.34	7	598.08	7	247.64	7		7		7		7	
1/4	2,008.39	1/4	1,649.43	1/4	1,290.83	1/4	937.15	1/4	590.58	1/4	240.14	1/4		1/4		1/4		1/4	
1/2	2,000.89	1/2	1,641.98	1/2	1,283.33	1/2	929.95	1/2	583.08	1/2	232.64	1/2		1/2		1/2		1/2	
3/4	1,993.39	3/4	1,634.52	3/4	1,275.84	3/4	922.76	3/4	575.58	3/4	225.13	3/4		3/4		3/4		3/4	
8	1,985.89	8	1,627.07	8	1,268.52	8	915.58	8	568.08	8	217.63	8		8		8		8	
1/4	1,978.39	1/4	1,619.62	1/4	1,261.20	1/4	908.41	1/4	560.58	1/4	210.13	1/4		1/4		1/4		1/4	
1/2	1,970.89	1/2	1,612.17	1/2	1,253.89	1/2	901.23	1/2	553.08	1/2	202.63	1/2		1/2		1/2		1/2	
3/4	1,963.39	3/4	1,604.72	3/4	1,246.57	3/4	894.05	3/4	545.57	3/4	195.13	3/4		3/4		3/4		3/4	
9	1,955.88	9	1,597.27	9	1,239.26	9	886.87	9	538.07	9	187.63	9		9		9		9	
1/4	1,948.38	1/4	1,589.82	1/4	1,231.94	1/4	879.69	1/4	530.57	1/4	180.13	1/4		1/4		1/4		1/4	
1/2	1,940.88	1/2	1,582.37	1/2	1,224.62	1/2	872.51	1/2	523.07	1/2	172.62	1/2		1/2		1/2		1/2	
3/4	1,933.38	3/4	1,574.92	3/4	1,217.31	3/4	865.33	3/4	515.57	3/4	165.12	3/4		3/4		3/4		3/4	
10	1,925.88	10	1,567.47	10	1,209.99	10	858.15	10	508.55	10	157.62	10		10		10		10	
1/4	1,918.38	1/4	1,560.01	1/4	1,202.68	1/4	850.97	1/4	501.53	1/4	150.12	1/4		1/4		1/4		1/4	
1/2	1,910.87	1/2	1,552.56	1/2	1,195.36	1/2	843.79	1/2	494.51	1/2	142.62	1/2		1/2		1/2		1/2	
3/4	1,903.37	3/4	1,545.11	3/4	1,188.04	3/4	836.62	3/4	487.49	3/4	135.12	3/4		3/4		3/4		3/4	
11	1,895.87	11	1,537.66	11	1,180.73	11	829.44	11	480.47	11	127.62	11		11		11		11	
1/4	1,888.37	1/4	1,530.21	1/4	1,173.41	1/4	822.26	1/4	473.45	1/4	120.12	1/4		1/4		1/4		1/4	
1/2	1,880.87	1/2	1,522.76	1/2	1,166.10	1/2	815.08	1/2	466.43	1/2	112.62	1/2		1/2		1/2		1/2	
3/4	1,873.36	3/4	1,515.31	3/4	1,158.78	3/4	807.90	3/4	459.41	3/4	105.11	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/29/2015 SW  
CALCULATED: 09/29/2015 CL  
PRINTED: 09/30/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2015

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





# BARGE "KIRBY 28711"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-02 1/2"

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	4,039.75	0	3,858.43	0	3,664.18	0	3,456.82	0	3,237.80	0	2,964.34	0	2,603.63
1/4		1/4		1/4		1/4	4,036.15	1/4	3,854.52	1/4	3,660.00	1/4	3,452.37	1/4	3,233.19	1/4	2,956.83	1/4	2,596.11
1/2		1/2		1/2		1/2	4,032.55	1/2	3,850.60	1/2	3,655.83	1/2	3,447.91	1/2	3,228.58	1/2	2,949.31	1/2	2,588.60
3/4		3/4		3/4		3/4	4,028.93	3/4	3,846.66	3/4	3,651.62	3/4	3,443.44	3/4	3,223.96	3/4	2,941.80	3/4	2,581.08
1		1		1		1	4,025.31	1	3,842.72	1	3,647.41	1	3,438.97	1	3,219.35	1	2,934.29	1	2,573.57
1/4		1/4		1/4		1/4	4,021.69	1/4	3,838.78	1/4	3,643.20	1/4	3,434.50	1/4	3,214.74	1/4	2,926.77	1/4	2,566.05
1/2		1/2		1/2		1/2	4,018.07	1/2	3,834.84	1/2	3,638.99	1/2	3,430.02	1/2	3,210.12	1/2	2,919.26	1/2	2,558.54
3/4		3/4		3/4		3/4	4,014.37	3/4	3,830.88	3/4	3,634.75	3/4	3,425.53	3/4	3,205.52	3/4	2,911.74	3/4	2,551.03
2		2		2		2	4,010.67	2	3,826.92	2	3,630.52	2	3,421.04	2	3,200.91	2	2,904.23	2	2,543.51
1/4		1/4		1/4		1/4	4,006.98	1/4	3,822.96	1/4	3,626.28	1/4	3,416.54	1/4	3,196.31	1/4	2,896.71	1/4	2,536.00
1/2		1/2		1/2		1/2	4,003.28	1/2	3,819.01	1/2	3,622.04	1/2	3,412.05	1/2	3,191.71	1/2	2,889.20	1/2	2,528.48
3/4		3/4		3/4		3/4	3,999.57	3/4	3,815.03	3/4	3,617.78	3/4	3,407.53	3/4	3,187.10	3/4	2,881.68	3/4	2,520.97
3		3		3		3	3,995.85	3	3,811.05	3	3,613.53	3	3,403.02	3	3,182.50	3	2,874.17	3	2,513.45
1/4		1/4		1/4		1/4	3,992.13	1/4	3,807.07	1/4	3,609.27	1/4	3,398.51	1/4	3,177.89	1/4	2,866.65	1/4	2,505.94
1/2		1/2		1/2		1/2	3,988.41	1/2	3,803.09	1/2	3,605.02	1/2	3,393.99	1/2	3,173.29	1/2	2,859.14	1/2	2,498.42
3/4		3/4		3/4		3/4	3,984.67	3/4	3,799.09	3/4	3,600.74	3/4	3,389.45	3/4	3,168.68	3/4	2,851.62	3/4	2,490.91
4		4		4		4	3,980.93	4	3,795.09	4	3,596.47	4	3,384.91	4	3,164.08	4	2,844.11	4	2,483.39
1/4		1/4		1/4		1/4	3,977.18	1/4	3,791.08	1/4	3,592.19	1/4	3,380.36	1/4	3,159.48	1/4	2,836.59	1/4	2,475.88
1/2		1/2		1/2		1/2	3,973.44	1/2	3,787.08	1/2	3,587.92	1/2	3,375.82	1/2	3,154.87	1/2	2,829.08	1/2	2,468.36
3/4		3/4		3/4		3/4	3,969.68	3/4	3,783.05	3/4	3,583.62	3/4	3,371.26	3/4	3,150.27	3/4	2,821.56	3/4	2,460.85
5		5		5		5	3,965.91	5	3,779.02	5	3,579.32	5	3,366.70	5	3,145.66	5	2,814.05	5	2,453.33
1/4		1/4		1/4		1/4	3,962.15	1/4	3,774.99	1/4	3,575.03	1/4	3,362.14	1/4	3,141.06	1/4	2,806.53	1/4	2,445.82
1/2		1/2		1/2		1/2	3,958.39	1/2	3,770.96	1/2	3,570.73	1/2	3,357.58	1/2	3,136.45	1/2	2,799.02	1/2	2,438.30
3/4		3/4		3/4		3/4	3,954.61	3/4	3,766.91	3/4	3,566.41	3/4	3,353.00	3/4	3,131.85	3/4	2,791.50	3/4	2,430.79
6		6		6		6	3,950.83	6	3,762.87	6	3,562.09	6	3,348.42	6	3,127.25	6	2,783.99	6	2,423.27
1/4		1/4		1/4		1/4	3,947.04	1/4	3,758.82	1/4	3,557.78	1/4	3,343.84	1/4	3,122.64	1/4	2,776.47	1/4	2,415.76
1/2		1/2		1/2		1/2	3,943.26	1/2	3,754.77	1/2	3,553.46	1/2	3,339.25	1/2	3,118.04	1/2	2,768.96	1/2	2,408.24
3/4		3/4		3/4		3/4	4,094.71	3/4	3,939.46	3/4	3,750.70	3/4	3,549.11	3/4	3,334.65	3/4	3,113.43	3/4	2,400.73
7		7		7		7	4,094.35	7	3,935.65	7	3,746.64	7	3,544.77	7	3,330.05	7	3,108.83	7	2,393.21
1/4		1/4		1/4		1/4	4,093.99	1/4	3,931.85	1/4	3,742.57	1/4	3,540.42	1/4	3,325.45	1/4	3,104.22	1/4	2,385.70
1/2		1/2		1/2		1/2	4,093.64	1/2	3,928.04	1/2	3,738.50	1/2	3,536.08	1/2	3,320.84	1/2	3,099.62	1/2	2,378.18
3/4		3/4		3/4		3/4	4,092.01	3/4	3,924.21	3/4	3,734.41	3/4	3,531.71	3/4	3,316.23	3/4	3,092.10	3/4	2,370.67
8		8		8		8	4,090.38	8	3,920.38	8	3,730.32	8	3,527.35	8	3,311.62	8	3,084.59	8	2,363.15
1/4		1/4		1/4		1/4	4,088.75	1/4	3,916.54	1/4	3,726.23	1/4	3,522.99	1/4	3,307.00	1/4	3,077.07	1/4	2,355.64
1/2		1/2		1/2		1/2	4,087.12	1/2	3,912.71	1/2	3,722.14	1/2	3,518.62	1/2	3,302.39	1/2	3,069.56	1/2	2,348.12
3/4		3/4		3/4		3/4	4,084.21	3/4	3,908.86	3/4	3,718.03	3/4	3,514.24	3/4	3,297.78	3/4	3,062.04	3/4	2,340.61
9		9		9		9	4,081.31	9	3,905.01	9	3,713.92	9	3,509.85	9	3,293.16	9	3,054.53	9	2,333.09
1/4		1/4		1/4		1/4	4,078.41	1/4	3,901.16	1/4	3,709.81	1/4	3,505.47	1/4	3,288.55	1/4	3,047.01	1/4	2,325.58
1/2		1/2		1/2		1/2	4,075.50	1/2	3,897.30	1/2	3,705.70	1/2	3,501.08	1/2	3,283.94	1/2	3,039.50	1/2	2,318.06
3/4		3/4		3/4		3/4	4,071.95	3/4	3,893.43	3/4	3,701.57	3/4	3,496.68	3/4	3,279.32	3/4	3,031.98	3/4	2,310.55
10		10		10		10	4,068.39	10	3,889.56	10	3,697.43	10	3,492.27	10	3,274.71	10	3,024.47	10	2,303.04
1/4		1/4		1/4		1/4	4,064.84	1/4	3,885.69	1/4	3,693.29	1/4	3,487.87	1/4	3,270.10	1/4	3,016.95	1/4	2,295.53
1/2		1/2		1/2		1/2	4,061.29	1/2	3,881.82	1/2	3,689.15	1/2	3,483.46	1/2	3,265.48	1/2	3,009.43	1/2	2,288.02
3/4		3/4		3/4		3/4	4,057.70	3/4	3,877.93	3/4	3,685.00	3/4	3,479.03	3/4	3,260.87	3/4	3,001.92	3/4	2,280.51
11		11		11		11	4,054.12	11	3,874.04	11	3,680.84	11	3,474.59	11	3,256.26	11	2,994.40	11	2,273.00
1/4		1/4		1/4		1/4	4,050.54	1/4	3,870.15	1/4	3,676.69	1/4	3,470.16	1/4	3,251.64	1/4	2,986.89	1/4	2,265.48
1/2		1/2		1/2		1/2	4,046.95	1/2	3,866.26	1/2	3,672.53	1/2	3,465.72	1/2	3,247.03	1/2	2,979.37	1/2	2,257.97
3/4		3/4		3/4		3/4	4,043.35	3/4	3,862.34	3/4	3,668.36	3/4	3,461.27	3/4	3,242.42	3/4	2,971.86	3/4	2,250.46

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 UNDERSIDE OF DECK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 13'-00" OFF CENTERLINE AND 50'-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 28711"

**3 STBD**  
**ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

**GAUGE HEIGHT 16'-02 1/2"**

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	2,242.94	0	1,882.04	0	1,524.64	0	1,163.41	0	802.53	0	446.68	0	90.45	0		0		0	
1/4	2,235.43	1/4	1,874.51	1/4	1,517.12	1/4	1,155.88	1/4	795.03	1/4	439.64	1/4	82.93	1/4		1/4		1/4	
1/2	2,227.91	1/2	1,866.99	1/2	1,509.59	1/2	1,148.35	1/2	787.53	1/2	432.60	1/2	75.41	1/2		1/2		1/2	
3/4	2,220.39	3/4	1,859.62	3/4	1,502.07	3/4	1,140.83	3/4	780.02	3/4	425.56	3/4	67.90	3/4		3/4		3/4	
1	2,212.88	1	1,852.25	1	1,494.54	1	1,133.30	1	772.52	1	418.52	1	60.40	1		1		1	
1/4	2,205.36	1/4	1,844.89	1/4	1,487.01	1/4	1,125.77	1/4	765.02	1/4	411.48	1/4	52.89	1/4		1/4		1/4	
1/2	2,197.84	1/2	1,837.52	1/2	1,479.49	1/2	1,118.25	1/2	757.51	1/2	404.43	1/2	45.38	1/2		1/2		1/2	
3/4	2,190.33	3/4	1,830.16	3/4	1,471.96	3/4	1,110.72	3/4	750.01	3/4	397.39	3/4	38.52	3/4		3/4		3/4	
2	2,182.82	2	1,822.79	2	1,464.44	2	1,103.19	2	742.50	2	390.35	2	31.65	2		2		2	
1/4	2,175.30	1/4	1,815.43	1/4	1,456.91	1/4	1,095.67	1/4	735.00	1/4	383.31	1/4	24.79	1/4		1/4		1/4	
1/2	2,167.79	1/2	1,808.06	1/2	1,449.38	1/2	1,088.14	1/2	727.50	1/2	376.27	1/2	17.92	1/2		1/2		1/2	
3/4	2,160.28	3/4	1,800.70	3/4	1,441.86	3/4	1,080.61	3/4	719.99	3/4	368.75	3/4		3/4		3/4		3/4	
3	2,152.76	3	1,793.33	3	1,434.33	3	1,073.08	3	712.49	3	361.23	3		3		3		3	
1/4	2,145.25	1/4	1,785.97	1/4	1,426.80	1/4	1,065.56	1/4	704.99	1/4	353.71	1/4		1/4		1/4		1/4	
1/2	2,137.74	1/2	1,778.60	1/2	1,419.28	1/2	1,058.03	1/2	697.48	1/2	346.18	1/2		1/2		1/2		1/2	
3/4	2,130.23	3/4	1,771.24	3/4	1,411.76	3/4	1,050.50	3/4	689.98	3/4	338.66	3/4		3/4		3/4		3/4	
4	2,122.73	4	1,763.87	4	1,404.23	4	1,042.98	4	682.47	4	331.14	4		4		4		4	
1/4	2,115.22	1/4	1,756.50	1/4	1,396.71	1/4	1,035.45	1/4	674.97	1/4	323.62	1/4		1/4		1/4		1/4	
1/2	2,107.71	1/2	1,749.14	1/2	1,389.19	1/2	1,027.92	1/2	667.47	1/2	316.10	1/2		1/2		1/2		1/2	
3/4	2,100.21	3/4	1,741.77	3/4	1,381.67	3/4	1,020.40	3/4	659.96	3/4	308.57	3/4		3/4		3/4		3/4	
5	2,092.70	5	1,734.41	5	1,374.15	5	1,012.87	5	652.46	5	301.05	5		5		5		5	
1/4	2,085.19	1/4	1,727.04	1/4	1,366.63	1/4	1,005.34	1/4	644.96	1/4	293.53	1/4		1/4		1/4		1/4	
1/2	2,077.69	1/2	1,719.68	1/2	1,359.11	1/2	997.82	1/2	637.45	1/2	286.01	1/2		1/2		1/2		1/2	
3/4	2,070.16	3/4	1,712.31	3/4	1,351.58	3/4	990.29	3/4	629.93	3/4	278.49	3/4		3/4		3/4		3/4	
6	2,062.64	6	1,704.95	6	1,344.05	6	982.76	6	622.40	6	270.96	6		6		6		6	
1/4	2,055.12	1/4	1,697.58	1/4	1,336.53	1/4	975.24	1/4	614.87	1/4	263.44	1/4		1/4		1/4		1/4	
1/2	2,047.60	1/2	1,690.22	1/2	1,329.00	1/2	967.71	1/2	607.35	1/2	255.92	1/2		1/2		1/2		1/2	
3/4	2,040.07	3/4	1,682.69	3/4	1,321.47	3/4	960.18	3/4	599.82	3/4	248.40	3/4		3/4		3/4		3/4	
7	2,032.55	7	1,675.16	7	1,313.95	7	952.65	7	592.30	7	240.87	7		7		7		7	
1/4	2,025.03	1/4	1,667.64	1/4	1,306.42	1/4	945.13	1/4	584.78	1/4	233.35	1/4		1/4		1/4		1/4	
1/2	2,017.51	1/2	1,660.11	1/2	1,298.89	1/2	937.60	1/2	577.26	1/2	225.83	1/2		1/2		1/2		1/2	
3/4	2,009.98	3/4	1,652.59	3/4	1,291.37	3/4	930.10	3/4	569.74	3/4	218.31	3/4		3/4		3/4		3/4	
8	2,002.45	8	1,645.06	8	1,283.84	8	922.59	8	562.22	8	210.79	8		8		8		8	
1/4	1,994.93	1/4	1,637.53	1/4	1,276.31	1/4	915.09	1/4	554.69	1/4	203.26	1/4		1/4		1/4		1/4	
1/2	1,987.40	1/2	1,630.01	1/2	1,268.78	1/2	907.59	1/2	547.17	1/2	195.74	1/2		1/2		1/2		1/2	
3/4	1,979.88	3/4	1,622.48	3/4	1,261.26	3/4	900.08	3/4	539.65	3/4	188.22	3/4		3/4		3/4		3/4	
9	1,972.35	9	1,614.96	9	1,253.73	9	892.58	9	532.13	9	180.70	9		9		9		9	
1/4	1,964.82	1/4	1,607.43	1/4	1,246.20	1/4	885.07	1/4	524.61	1/4	173.18	1/4		1/4		1/4		1/4	
1/2	1,957.30	1/2	1,599.90	1/2	1,238.68	1/2	877.57	1/2	517.08	1/2	165.65	1/2		1/2		1/2		1/2	
3/4	1,949.77	3/4	1,592.38	3/4	1,231.15	3/4	870.07	3/4	510.04	3/4	158.13	3/4		3/4		3/4		3/4	
10	1,942.25	10	1,584.85	10	1,223.62	10	862.56	10	503.00	10	150.61	10		10		10		10	
1/4	1,934.72	1/4	1,577.33	1/4	1,216.10	1/4	855.06	1/4	495.96	1/4	143.09	1/4		1/4		1/4		1/4	
1/2	1,927.19	1/2	1,569.80	1/2	1,208.57	1/2	847.56	1/2	488.92	1/2	135.57	1/2		1/2		1/2		1/2	
3/4	1,919.67	3/4	1,562.27	3/4	1,201.04	3/4	840.05	3/4	481.88	3/4	128.04	3/4		3/4		3/4		3/4	
11	1,912.14	11	1,554.75	11	1,193.52	11	832.55	11	474.84	11	120.52	11		11		11		11	
1/4	1,904.62	1/4	1,547.22	1/4	1,185.99	1/4	825.05	1/4	467.80	1/4	113.00	1/4		1/4		1/4		1/4	
1/2	1,897.09	1/2	1,539.70	1/2	1,178.46	1/2	817.54	1/2	460.76	1/2	105.48	1/2		1/2		1/2		1/2	
3/4	1,889.56	3/4	1,532.17	3/4	1,170.93	3/4	810.04	3/4	453.72	3/4	97.96	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/29/2015 SW  
CALCULATED: 09/29/2015 CL  
PRINTED: 09/30/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2015

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



# BARGE "KIRBY 28711"

# FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT: 6'-04 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	2,334	0	4,668	0	7,002	0	9,337	0	11,671	0	14,005	0		0		0	
1/4	49	1/4	2,383	1/4	4,717	1/4	7,051	1/4	9,385	1/4	11,719	1/4		1/4		1/4		1/4	
1/2	97	1/2	2,431	1/2	4,766	1/2	7,100	1/2	9,434	1/2	11,768	1/2		1/2		1/2		1/2	
3/4	146	3/4	2,480	3/4	4,814	3/4	7,148	3/4	9,482	3/4	11,817	3/4		3/4		3/4		3/4	
1	195	1	2,529	1	4,863	1	7,197	1	9,531	1	11,865	1	1	1	1	1	1	1	1
1/4	243	1/4	2,577	1/4	4,911	1/4	7,246	1/4	9,580	1/4	11,914	1/4		1/4		1/4		1/4	
1/2	292	1/2	2,626	1/2	4,960	1/2	7,294	1/2	9,628	1/2	11,962	1/2		1/2		1/2		1/2	
3/4	340	3/4	2,675	3/4	5,009	3/4	7,343	3/4	9,677	3/4	12,011	3/4		3/4		3/4		3/4	
2	389	2	2,723	2	5,057	2	7,391	2	9,726	2	12,060	2	2	2	2	2	2	2	2
1/4	438	1/4	2,772	1/4	5,106	1/4	7,440	1/4	9,774	1/4	12,108	1/4		1/4		1/4		1/4	
1/2	486	1/2	2,820	1/2	5,155	1/2	7,489	1/2	9,823	1/2	12,157	1/2		1/2		1/2		1/2	
3/4	535	3/4	2,869	3/4	5,203	3/4	7,537	3/4	9,871	3/4	12,206	3/4		3/4		3/4		3/4	
3	584	3	2,918	3	5,252	3	7,586	3	9,920	3	12,254	3	3	3	3	3	3	3	3
1/4	632	1/4	2,966	1/4	5,300	1/4	7,635	1/4	9,969	1/4	12,303	1/4		1/4		1/4		1/4	
1/2	681	1/2	3,015	1/2	5,349	1/2	7,683	1/2	10,017	1/2	12,351	1/2		1/2		1/2		1/2	
3/4	729	3/4	3,064	3/4	5,398	3/4	7,732	3/4	10,066	3/4	12,400	3/4		3/4		3/4		3/4	
4	778	4	3,112	4	5,446	4	7,780	4	10,115	4	12,449	4	4	4	4	4	4	4	4
1/4	827	1/4	3,161	1/4	5,495	1/4	7,829	1/4	10,163	1/4	12,497	1/4		1/4		1/4		1/4	
1/2	875	1/2	3,209	1/2	5,544	1/2	7,878	1/2	10,212	1/2	12,546	1/2		1/2		1/2		1/2	
3/4	924	3/4	3,258	3/4	5,592	3/4	7,926	3/4	10,260	3/4	12,595	3/4		3/4		3/4		3/4	
5	973	5	3,307	5	5,641	5	7,975	5	10,309	5	12,643	5	5	5	5	5	5	5	5
1/4	1,021	1/4	3,355	1/4	5,689	1/4	8,024	1/4	10,358	1/4	12,692	1/4		1/4		1/4		1/4	
1/2	1,070	1/2	3,404	1/2	5,738	1/2	8,072	1/2	10,406	1/2	12,740	1/2		1/2		1/2		1/2	
3/4	1,118	3/4	3,453	3/4	5,787	3/4	8,121	3/4	10,455	3/4	12,789	3/4		3/4		3/4		3/4	
6	1,167	6	3,501	6	5,835	6	8,169	6	10,504	6	12,838	6	6	6	6	6	6	6	6
1/4	1,216	1/4	3,550	1/4	5,884	1/4	8,218	1/4	10,552	1/4	12,886	1/4		1/4		1/4		1/4	
1/2	1,264	1/2	3,598	1/2	5,933	1/2	8,267	1/2	10,601	1/2	12,935	1/2		1/2		1/2		1/2	
3/4	1,313	3/4	3,647	3/4	5,981	3/4	8,315	3/4	10,649	3/4	12,984	3/4		3/4		3/4		3/4	
7	1,362	7	3,696	7	6,030	7	8,364	7	10,698	7	13,032	7	7	7	7	7	7	7	7
1/4	1,410	1/4	3,744	1/4	6,078	1/4	8,413	1/4	10,747	1/4	13,081	1/4		1/4		1/4		1/4	
1/2	1,459	1/2	3,793	1/2	6,127	1/2	8,461	1/2	10,795	1/2	13,129	1/2		1/2		1/2		1/2	
3/4	1,507	3/4	3,842	3/4	6,176	3/4	8,510	3/4	10,844	3/4	13,178	3/4		3/4		3/4		3/4	
8	1,556	8	3,890	8	6,224	8	8,558	8	10,893	8	13,227	8	8	8	8	8	8	8	8
1/4	1,605	1/4	3,939	1/4	6,273	1/4	8,607	1/4	10,941	1/4	13,275	1/4		1/4		1/4		1/4	
1/2	1,653	1/2	3,987	1/2	6,322	1/2	8,656	1/2	10,990	1/2	13,324	1/2		1/2		1/2		1/2	
3/4	1,702	3/4	4,036	3/4	6,370	3/4	8,704	3/4	11,038	3/4	13,373	3/4		3/4		3/4		3/4	
9	1,751	9	4,085	9	6,419	9	8,753	9	11,087	9	13,421	9	9	9	9	9	9	9	9
1/4	1,799	1/4	4,133	1/4	6,467	1/4	8,802	1/4	11,136	1/4	13,470	1/4		1/4		1/4		1/4	
1/2	1,848	1/2	4,182	1/2	6,516	1/2	8,850	1/2	11,184	1/2	13,519	1/2		1/2		1/2		1/2	
3/4	1,896	3/4	4,231	3/4	6,565	3/4	8,899	3/4	11,233	3/4	13,567	3/4		3/4		3/4		3/4	
10	1,945	10	4,279	10	6,613	10	8,947	10	11,282	10	13,616	10	10	10	10	10	10	10	10
1/4	1,994	1/4	4,328	1/4	6,662	1/4	8,996	1/4	11,330	1/4	13,664	1/4		1/4		1/4		1/4	
1/2	2,042	1/2	4,376	1/2	6,711	1/2	9,045	1/2	11,379	1/2	13,713	1/2		1/2		1/2		1/2	
3/4	2,091	3/4	4,425	3/4	6,759	3/4	9,093	3/4	11,428	3/4	13,762	3/4		3/4		3/4		3/4	
11	2,140	11	4,474	11	6,808	11	9,142	11	11,476	11	13,810	11	11	11	11	11	11	11	11
1/4	2,188	1/4	4,522	1/4	6,857	1/4	9,191	1/4	11,525	1/4	13,859	1/4		1/4		1/4		1/4	
1/2	2,237	1/2	4,571	1/2	6,905	1/2	9,239	1/2	11,573	1/2	13,908	1/2		1/2		1/2		1/2	
3/4	2,286	3/4	4,620	3/4	6,954	3/4	9,288	3/4	11,622	3/4	13,956	3/4		3/4		3/4		3/4	

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.

STRAPPED: 06/15/2021 JS  
 CALCULATED: 06/16/2021 CL  
 PRINTED: 06/16/2021 CL

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 06/2021

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
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