



# BARGE "KIRBY 27770"

## ULLAGE TRIM TABLE

	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	00-7/8	- 00-7/8	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	00-7/8	- 00-7/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4
2 PORT	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2	01-7/8	- 01-7/8
2 STBD	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2	01-7/8	- 01-7/8
3 PORT	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-3/8	- 02-3/8	03-0/8	- 03-0/8	03-1/2	- 03-1/2
3 STBD	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-3/8	- 02-3/8	03-0/8	- 03-0/8	03-1/2	- 03-1/2

(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 2 PORT IS - 00-5/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 3/8"

LENGTH BETWEEN DRAFT MARKS: 261'-00"

July 25, 2011

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 27770"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	4,859.22	0	4,527.87	0	4,176.76	0	3,803.67	0	3,425.70	0	3,047.72
1/4		1/4		1/4		1/4		1/4	4,851.72	1/4	4,520.82	1/4	4,169.17	1/4	3,795.80	1/4	3,417.82	1/4	3,039.85
1/2		1/2		1/2		1/2		1/2	4,844.22	1/2	4,513.77	1/2	4,161.58	1/2	3,787.92	1/2	3,409.95	1/2	3,031.97
3/4		3/4		3/4		3/4		3/4	4,836.72	3/4	4,506.72	3/4	4,153.99	3/4	3,780.05	3/4	3,402.07	3/4	3,024.10
1		1		1		1		1	4,829.22	1	4,499.67	1	4,146.41	1	3,772.18	1	3,394.20	1	3,016.22
1/4		1/4		1/4		1/4		1/4	4,822.29	1/4	4,492.59	1/4	4,138.78	1/4	3,764.30	1/4	3,386.32	1/4	3,008.35
1/2		1/2		1/2		1/2		1/2	4,815.36	1/2	4,485.50	1/2	4,131.15	1/2	3,756.43	1/2	3,378.45	1/2	3,000.47
3/4		3/4		3/4		3/4		3/4	4,808.43	3/4	4,478.41	3/4	4,123.52	3/4	3,748.55	3/4	3,370.58	3/4	2,992.60
2		2		2		2		2	4,801.49	2	4,471.32	2	4,115.89	2	3,740.68	2	3,362.70	2	2,984.73
1/4		1/4		1/4		1/4		1/4	4,794.82	1/4	4,464.20	1/4	4,108.23	1/4	3,732.80	1/4	3,354.83	1/4	2,976.85
1/2		1/2		1/2		1/2		1/2	4,788.15	1/2	4,457.07	1/2	4,100.56	1/2	3,724.93	1/2	3,346.95	1/2	2,968.98
3/4		3/4		3/4		3/4		3/4	4,781.49	3/4	4,449.95	3/4	4,092.90	3/4	3,717.05	3/4	3,339.08	3/4	2,961.10
3		3		3		3		3	4,774.82	3	4,442.82	3	4,085.23	3	3,709.18	3	3,331.20	3	2,953.23
1/4		1/4		1/4		1/4		1/4	4,768.11	1/4	4,435.64	1/4	4,077.53	1/4	3,701.30	1/4	3,323.33	1/4	2,945.35
1/2		1/2		1/2		1/2		1/2	4,761.40	1/2	4,428.45	1/2	4,069.82	1/2	3,693.43	1/2	3,315.45	1/2	2,937.48
3/4		3/4		3/4		3/4		3/4	4,754.69	3/4	4,421.27	3/4	4,062.12	3/4	3,685.56	3/4	3,307.58	3/4	2,929.60
4		4		4		4		4	4,747.99	4	4,414.08	4	4,054.42	4	3,677.68	4	3,299.71	4	2,921.73
1/4		1/4		1/4		1/4		1/4	4,741.24	1/4	4,406.82	1/4	4,046.68	1/4	3,669.81	1/4	3,291.83	1/4	2,913.85
1/2		1/2		1/2		1/2		1/2	4,734.49	1/2	4,399.55	1/2	4,038.93	1/2	3,661.93	1/2	3,283.96	1/2	2,905.98
3/4		3/4		3/4		3/4		3/4	4,727.75	3/4	4,392.29	3/4	4,031.19	3/4	3,654.06	3/4	3,276.08	3/4	2,898.11
5		5		5		5		5	4,721.00	5	4,385.02	5	4,023.45	5	3,646.18	5	3,268.21	5	2,890.23
1/4		1/4		1/4		1/4		1/4	4,714.22	1/4	4,377.70	1/4	4,015.67	1/4	3,638.31	1/4	3,260.33	1/4	2,882.36
1/2		1/2		1/2		1/2		1/2	4,707.43	1/2	4,370.38	1/2	4,007.89	1/2	3,630.43	1/2	3,252.46	1/2	2,874.48
3/4		3/4		3/4		3/4		3/4	4,700.65	3/4	4,363.05	3/4	4,000.11	3/4	3,622.56	3/4	3,244.58	3/4	2,866.61
6		6		6		6		6	4,693.87	6	4,355.73	6	3,992.33	6	3,614.69	6	3,236.71	6	2,858.73
1/4		1/4		1/4		1/4		1/4	4,687.05	1/4	4,348.37	1/4	3,984.51	1/4	3,606.81	1/4	3,228.83	1/4	2,850.86
1/2		1/2		1/2		1/2		1/2	4,680.22	1/2	4,341.00	1/2	3,976.70	1/2	3,598.94	1/2	3,220.96	1/2	2,842.98
3/4		3/4		3/4		3/4		3/4	4,673.40	3/4	4,333.64	3/4	3,968.88	3/4	3,591.06	3/4	3,213.09	3/4	2,835.11
7		7		7		7		7	4,666.58	7	4,326.28	7	3,961.06	7	3,583.19	7	3,205.21	7	2,827.24
1/4		1/4		1/4		1/4		1/4	4,659.72	1/4	4,318.88	1/4	3,953.21	1/4	3,575.31	1/4	3,197.34	1/4	2,819.36
1/2		1/2		1/2		1/2		1/2	4,652.86	1/2	4,311.48	1/2	3,945.36	1/2	3,567.44	1/2	3,189.46	1/2	2,811.49
3/4		3/4		3/4		3/4		3/4	4,646.00	3/4	4,304.08	3/4	3,937.51	3/4	3,559.56	3/4	3,181.59	3/4	2,803.61
8		8		8		8	4,969.91	8	4,639.14	8	4,296.68	8	3,929.66	8	3,551.69	8	3,173.71	8	2,795.74
1/4		1/4		1/4		1/4	4,964.42	1/4	4,632.25	1/4	4,289.24	1/4	3,921.79	1/4	3,543.81	1/4	3,165.84	1/4	2,787.86
1/2		1/2		1/2		1/2	4,958.92	1/2	4,625.35	1/2	4,281.81	1/2	3,913.91	1/2	3,535.94	1/2	3,157.96	1/2	2,779.99
3/4		3/4		3/4		3/4	4,953.43	3/4	4,618.45	3/4	4,274.37	3/4	3,906.04	3/4	3,528.07	3/4	3,150.09	3/4	2,772.11
9		9		9		9	4,947.94	9	4,611.55	9	4,266.93	9	3,898.17	9	3,520.19	9	3,142.22	9	2,764.24
1/4		1/4		1/4		1/4	4,941.15	1/4	4,604.62	1/4	4,259.45	1/4	3,890.29	1/4	3,512.32	1/4	3,134.34	1/4	2,756.36
1/2		1/2		1/2		1/2	4,934.37	1/2	4,597.68	1/2	4,251.98	1/2	3,882.42	1/2	3,504.44	1/2	3,126.47	1/2	2,748.49
3/4		3/4		3/4		3/4	4,927.58	3/4	4,590.75	3/4	4,244.50	3/4	3,874.54	3/4	3,496.57	3/4	3,118.59	3/4	2,740.62
10		10		10		10	4,920.80	10	4,583.81	10	4,237.03	10	3,866.67	10	3,488.69	10	3,110.72	10	2,732.74
1/4		1/4		1/4		1/4	4,913.19	1/4	4,576.84	1/4	4,229.51	1/4	3,858.79	1/4	3,480.82	1/4	3,102.84	1/4	2,724.87
1/2		1/2		1/2		1/2	4,905.59	1/2	4,569.86	1/2	4,222.00	1/2	3,850.92	1/2	3,472.94	1/2	3,094.97	1/2	2,716.99
3/4		3/4		3/4		3/4	4,897.98	3/4	4,562.89	3/4	4,214.49	3/4	3,843.05	3/4	3,465.07	3/4	3,087.09	3/4	2,709.12
11		11		11		11	4,890.38	11	4,555.92	11	4,206.97	11	3,835.17	11	3,457.20	11	3,079.22	11	2,701.24
1/4		1/4		1/4		1/4	4,882.59	1/4	4,548.90	1/4	4,199.42	1/4	3,827.30	1/4	3,449.32	1/4	3,071.34	1/4	2,693.37
1/2		1/2		1/2		1/2	4,874.80	1/2	4,541.89	1/2	4,191.87	1/2	3,819.42	1/2	3,441.45	1/2	3,063.47	1/2	2,685.49
3/4		3/4		3/4		3/4	4,867.01	3/4	4,534.88	3/4	4,184.32	3/4	3,811.55	3/4	3,433.57	3/4	3,055.60	3/4	2,677.62

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 49'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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# BARGE "KIRBY 27770"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-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	2,669.75	0	2,291.77	0	1,913.79	0	1,535.80	0	1,158.68	0	782.97	0	413.79	0	82.77	0		0	
1/4	2,661.87	1/4	2,283.89	1/4	1,905.92	1/4	1,527.93	1/4	1,150.86	1/4	775.10	1/4	406.24	1/4	77.20	1/4		1/4	
1/2	2,654.00	1/2	2,276.02	1/2	1,898.04	1/2	1,520.05	1/2	1,143.04	1/2	767.22	1/2	398.70	1/2	71.63	1/2		1/2	
3/4	2,646.12	3/4	2,268.15	3/4	1,890.17	3/4	1,512.18	3/4	1,135.22	3/4	759.35	3/4	391.16	3/4	66.05	3/4		3/4	
1	2,638.25	1	2,260.27	1	1,882.29	1	1,504.30	1	1,127.40	1	751.47	1	383.62	1	60.48	1		1	
1/4	2,630.37	1/4	2,252.40	1/4	1,874.42	1/4	1,496.44	1/4	1,119.59	1/4	743.59	1/4	376.19	1/4	54.58	1/4		1/4	
1/2	2,622.50	1/2	2,244.52	1/2	1,866.54	1/2	1,488.58	1/2	1,111.77	1/2	735.72	1/2	368.76	1/2	48.68	1/2		1/2	
3/4	2,614.62	3/4	2,236.65	3/4	1,858.67	3/4	1,480.72	3/4	1,103.95	3/4	727.84	3/4	361.33	3/4	42.78	3/4		3/4	
2	2,606.75	2	2,228.77	2	1,850.79	2	1,472.86	2	1,096.14	2	719.97	2	353.90	2	36.88	2		2	
1/4	2,598.87	1/4	2,220.90	1/4	1,842.92	1/4	1,465.01	1/4	1,088.32	1/4	712.09	1/4	346.57	1/4	31.48	1/4		1/4	
1/2	2,591.00	1/2	2,213.02	1/2	1,835.04	1/2	1,457.16	1/2	1,080.50	1/2	704.22	1/2	339.24	1/2	26.08	1/2		1/2	
3/4	2,583.13	3/4	2,205.15	3/4	1,827.17	3/4	1,449.32	3/4	1,072.68	3/4	696.34	3/4	331.91	3/4	20.69	3/4		3/4	
3	2,575.25	3	2,197.28	3	1,819.29	3	1,441.47	3	1,064.87	3	688.47	3	324.57	3	15.29	3		3	
1/4	2,567.38	1/4	2,189.40	1/4	1,811.42	1/4	1,433.62	1/4	1,057.05	1/4	680.59	1/4	317.33	1/4	11.91	1/4		1/4	
1/2	2,559.50	1/2	2,181.53	1/2	1,803.54	1/2	1,425.77	1/2	1,049.23	1/2	672.72	1/2	310.09	1/2	8.54	1/2		1/2	
3/4	2,551.63	3/4	2,173.65	3/4	1,795.67	3/4	1,417.93	3/4	1,041.42	3/4	664.84	3/4	302.84	3/4		3/4		3/4	
4	2,543.75	4	2,165.78	4	1,787.79	4	1,410.08	4	1,033.60	4	656.97	4	295.60	4		4		4	
1/4	2,535.88	1/4	2,157.90	1/4	1,779.92	1/4	1,402.23	1/4	1,025.78	1/4	649.09	1/4	288.45	1/4		1/4		1/4	
1/2	2,528.00	1/2	2,150.03	1/2	1,772.04	1/2	1,394.38	1/2	1,017.96	1/2	641.22	1/2	281.31	1/2		1/2		1/2	
3/4	2,520.13	3/4	2,142.15	3/4	1,764.17	3/4	1,386.54	3/4	1,010.15	3/4	633.34	3/4	274.16	3/4		3/4		3/4	
5	2,512.26	5	2,134.28	5	1,756.29	5	1,378.69	5	1,002.33	5	625.47	5	267.01	5		5		5	
1/4	2,504.38	1/4	2,126.40	1/4	1,748.42	1/4	1,370.84	1/4	994.51	1/4	617.59	1/4	259.97	1/4		1/4		1/4	
1/2	2,496.51	1/2	2,118.53	1/2	1,740.54	1/2	1,362.99	1/2	986.70	1/2	609.72	1/2	252.93	1/2		1/2		1/2	
3/4	2,488.63	3/4	2,110.66	3/4	1,732.67	3/4	1,355.15	3/4	978.88	3/4	601.84	3/4	245.89	3/4		3/4		3/4	
6	2,480.76	6	2,102.78	6	1,724.80	6	1,347.30	6	971.06	6	593.97	6	238.84	6		6		6	
1/4	2,472.88	1/4	2,094.91	1/4	1,716.92	1/4	1,339.45	1/4	963.24	1/4	586.09	1/4	231.90	1/4		1/4		1/4	
1/2	2,465.01	1/2	2,087.03	1/2	1,709.05	1/2	1,331.60	1/2	955.43	1/2	578.22	1/2	224.97	1/2		1/2		1/2	
3/4	2,457.13	3/4	2,079.16	3/4	1,701.17	3/4	1,323.75	3/4	947.61	3/4	570.34	3/4	218.03	3/4		3/4		3/4	
7	2,449.26	7	2,071.28	7	1,693.30	7	1,315.91	7	939.79	7	562.46	7	211.09	7		7		7	
1/4	2,441.38	1/4	2,063.41	1/4	1,685.42	1/4	1,308.04	1/4	931.97	1/4	554.59	1/4	204.26	1/4		1/4		1/4	
1/2	2,433.51	1/2	2,055.53	1/2	1,677.55	1/2	1,300.18	1/2	924.16	1/2	546.71	1/2	197.43	1/2		1/2		1/2	
3/4	2,425.64	3/4	2,047.66	3/4	1,669.67	3/4	1,292.32	3/4	916.34	3/4	538.84	3/4	190.61	3/4		3/4		3/4	
8	2,417.76	8	2,039.79	8	1,661.80	8	1,284.46	8	908.52	8	530.96	8	183.78	8		8		8	
1/4	2,409.89	1/4	2,031.91	1/4	1,653.92	1/4	1,276.58	1/4	900.70	1/4	523.32	1/4	177.07	1/4		1/4		1/4	
1/2	2,402.01	1/2	2,024.04	1/2	1,646.05	1/2	1,268.71	1/2	892.88	1/2	515.68	1/2	170.36	1/2		1/2		1/2	
3/4	2,394.14	3/4	2,016.16	3/4	1,638.17	3/4	1,260.83	3/4	885.07	3/4	508.03	3/4	163.65	3/4		3/4		3/4	
9	2,386.26	9	2,008.29	9	1,630.30	9	1,252.96	9	877.25	9	500.39	9	156.95	9		9		9	
1/4	2,378.39	1/4	2,000.41	1/4	1,622.42	1/4	1,245.08	1/4	869.41	1/4	493.24	1/4	150.35	1/4		1/4		1/4	
1/2	2,370.51	1/2	1,992.54	1/2	1,614.55	1/2	1,237.21	1/2	861.58	1/2	486.09	1/2	143.76	1/2		1/2		1/2	
3/4	2,362.64	3/4	1,984.66	3/4	1,606.67	3/4	1,229.33	3/4	853.75	3/4	478.94	3/4	137.16	3/4		3/4		3/4	
10	2,354.77	10	1,976.79	10	1,598.80	10	1,221.46	10	845.91	10	471.79	10	130.57	10		10		10	
1/4	2,346.89	1/4	1,968.91	1/4	1,590.92	1/4	1,213.60	1/4	838.05	1/4	464.71	1/4	124.31	1/4		1/4		1/4	
1/2	2,339.02	1/2	1,961.04	1/2	1,583.05	1/2	1,205.73	1/2	830.19	1/2	457.64	1/2	118.05	1/2		1/2		1/2	
3/4	2,331.14	3/4	1,953.16	3/4	1,575.17	3/4	1,197.87	3/4	822.33	3/4	450.57	3/4	111.79	3/4		3/4		3/4	
11	2,323.27	11	1,945.29	11	1,567.30	11	1,190.01	11	814.47	11	443.49	11	105.53	11		11		11	
1/4	2,315.39	1/4	1,937.41	1/4	1,559.42	1/4	1,182.18	1/4	806.60	1/4	436.07	1/4	99.84	1/4		1/4		1/4	
1/2	2,307.52	1/2	1,929.54	1/2	1,551.55	1/2	1,174.35	1/2	798.72	1/2	428.64	1/2	94.15	1/2		1/2		1/2	
3/4	2,299.64	3/4	1,921.67	3/4	1,543.67	3/4	1,166.51	3/4	790.85	3/4	421.21	3/4	88.46	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/25/2011 CL - SW  
CALCULATED: 07/25/2011 CL  
PRINTED: 07/25/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2011

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



# BARGE "KIRBY 27770"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
									4,869.60		4,537.38		4,186.72		3,813.88		3,435.82		3,057.75		
1/4		1/4		1/4		1/4		1/4	4,861.81	1/4	4,530.36	1/4	4,179.16	1/4	3,806.01	1/4	3,427.94	1/4	3,049.87		
1/2		1/2		1/2		1/2		1/2	4,854.31	1/2	4,523.31	1/2	4,171.57	1/2	3,798.13	1/2	3,420.06	1/2	3,042.00		
3/4		3/4		3/4		3/4		3/4	4,846.80	3/4	4,516.26	3/4	4,163.98	3/4	3,790.25	3/4	3,412.19	3/4	3,034.12		
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	4,839.30	<b>1</b>	4,509.21	<b>1</b>	4,156.39	<b>1</b>	3,782.38	<b>1</b>	3,404.31	<b>1</b>	3,026.24		
1/4		1/4		1/4		1/4		1/4	4,831.80	1/4	4,502.16	1/4	4,148.80	1/4	3,774.50	1/4	3,396.43	1/4	3,018.37		
1/2		1/2		1/2		1/2		1/2	4,824.87	1/2	4,495.07	1/2	4,141.17	1/2	3,766.62	1/2	3,388.56	1/2	3,010.49		
3/4		3/4		3/4		3/4		3/4	4,817.93	3/4	4,487.98	3/4	4,133.54	3/4	3,758.75	3/4	3,380.68	3/4	3,002.61		
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	4,811.00	<b>2</b>	4,480.89	<b>2</b>	4,125.91	<b>2</b>	3,750.87	<b>2</b>	3,372.80	<b>2</b>	2,994.74		
1/4		1/4		1/4		1/4		1/4	4,804.07	1/4	4,473.80	1/4	4,118.28	1/4	3,743.00	1/4	3,364.93	1/4	2,986.86		
1/2		1/2		1/2		1/2		1/2	4,797.40	1/2	4,466.67	1/2	4,110.61	1/2	3,735.12	1/2	3,357.05	1/2	2,978.98		
3/4		3/4		3/4		3/4		3/4	4,790.72	3/4	4,459.54	3/4	4,102.94	3/4	3,727.24	3/4	3,349.18	3/4	2,971.11		
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	4,784.05	<b>3</b>	4,452.42	<b>3</b>	4,095.28	<b>3</b>	3,719.37	<b>3</b>	3,341.30	<b>3</b>	2,963.23		
1/4		1/4		1/4		1/4		1/4	4,777.38	1/4	4,445.29	1/4	4,087.61	1/4	3,711.49	1/4	3,333.42	1/4	2,955.36		
1/2		1/2		1/2		1/2		1/2	4,770.67	1/2	4,438.10	1/2	4,079.90	1/2	3,703.61	1/2	3,325.55	1/2	2,947.48		
3/4		3/4		3/4		3/4		3/4	4,763.96	3/4	4,430.92	3/4	4,072.20	3/4	3,695.74	3/4	3,317.67	3/4	2,939.60		
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	4,757.25	<b>4</b>	4,423.73	<b>4</b>	4,064.49	<b>4</b>	3,687.86	<b>4</b>	3,309.79	<b>4</b>	2,931.73		
1/4		1/4		1/4		1/4		1/4	4,750.54	1/4	4,416.54	1/4	4,056.79	1/4	3,679.98	1/4	3,301.92	1/4	2,923.85		
1/2		1/2		1/2		1/2		1/2	4,743.79	1/2	4,409.28	1/2	4,049.04	1/2	3,672.11	1/2	3,294.04	1/2	2,915.97		
3/4		3/4		3/4		3/4		3/4	4,737.05	3/4	4,402.01	3/4	4,041.30	3/4	3,664.23	3/4	3,286.16	3/4	2,908.10		
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	4,730.30	<b>5</b>	4,394.74	<b>5</b>	4,033.56	<b>5</b>	3,656.36	<b>5</b>	3,278.29	<b>5</b>	2,900.22		
1/4		1/4		1/4		1/4		1/4	4,723.55	1/4	4,387.48	1/4	4,025.81	1/4	3,648.48	1/4	3,270.41	1/4	2,892.34		
1/2		1/2		1/2		1/2		1/2	4,716.77	1/2	4,380.15	1/2	4,018.03	1/2	3,640.60	1/2	3,262.54	1/2	2,884.47		
3/4		3/4		3/4		3/4		3/4	4,709.98	3/4	4,372.82	3/4	4,010.25	3/4	3,632.73	3/4	3,254.66	3/4	2,876.59		
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	4,703.19	<b>6</b>	4,365.50	<b>6</b>	4,002.47	<b>6</b>	3,624.85	<b>6</b>	3,246.78	<b>6</b>	2,868.72		
1/4		1/4		1/4		1/4		1/4	4,696.41	1/4	4,358.17	1/4	3,994.69	1/4	3,616.97	1/4	3,238.91	1/4	2,860.84		
1/2		1/2		1/2		1/2		1/2	4,689.58	1/2	4,350.81	1/2	3,986.87	1/2	3,609.10	1/2	3,231.03	1/2	2,852.96		
3/4		3/4		3/4		3/4		3/4	4,682.76	3/4	4,343.45	3/4	3,979.05	3/4	3,601.22	3/4	3,223.15	3/4	2,845.09		
<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	4,675.94	<b>7</b>	4,336.08	<b>7</b>	3,971.23	<b>7</b>	3,593.34	<b>7</b>	3,215.28	<b>7</b>	2,837.21		
1/4		1/4		1/4		1/4		1/4	4,669.11	1/4	4,328.72	1/4	3,963.41	1/4	3,585.47	1/4	3,207.40	1/4	2,829.33		
1/2		1/2		1/2		1/2		1/2	4,662.25	1/2	4,321.32	1/2	3,955.56	1/2	3,577.59	1/2	3,199.52	1/2	2,821.46		
3/4		3/4		3/4		3/4		3/4	4,655.39	3/4	4,313.91	3/4	3,947.70	3/4	3,569.71	3/4	3,191.65	3/4	2,813.58		
<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	4,648.53	<b>8</b>	4,306.51	<b>8</b>	3,939.85	<b>8</b>	3,561.84	<b>8</b>	3,183.77	<b>8</b>	2,805.70		
1/4		1/4		1/4		1/4		1/4	4,972.52	1/4	4,641.67	1/4	4,299.11	1/4	3,932.00	1/4	3,553.96	1/4	3,175.89	1/4	2,797.83
1/2		1/2		1/2		1/2		1/2	4,967.03	1/2	4,634.77	1/2	4,291.67	1/2	3,924.13	1/2	3,546.09	1/2	3,168.02	1/2	2,789.95
3/4		3/4		3/4		3/4		3/4	4,961.53	3/4	4,627.87	3/4	4,284.23	3/4	3,916.26	3/4	3,538.21	3/4	3,160.14	3/4	2,782.07
<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	4,956.04	<b>9</b>	4,620.97	<b>9</b>	4,276.79	<b>9</b>	3,908.39	<b>9</b>	3,530.33	<b>9</b>	3,152.27	<b>9</b>	2,774.20
1/4		1/4		1/4		1/4		1/4	4,950.55	1/4	4,614.07	1/4	4,269.35	1/4	3,900.52	1/4	3,522.46	1/4	3,144.39	1/4	2,766.32
1/2		1/2		1/2		1/2		1/2	4,943.76	1/2	4,607.13	1/2	4,261.87	1/2	3,892.65	1/2	3,514.58	1/2	3,136.51	1/2	2,758.45
3/4		3/4		3/4		3/4		3/4	4,936.97	3/4	4,600.19	3/4	4,254.40	3/4	3,884.77	3/4	3,506.70	3/4	3,128.64	3/4	2,750.57
<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	4,930.19	<b>10</b>	4,593.26	<b>10</b>	4,246.92	<b>10</b>	3,876.89	<b>10</b>	3,498.83	<b>10</b>	3,120.76	<b>10</b>	2,742.69
1/4		1/4		1/4		1/4		1/4	4,923.40	1/4	4,586.32	1/4	4,239.44	1/4	3,869.02	1/4	3,490.95	1/4	3,112.88	1/4	2,734.82
1/2		1/2		1/2		1/2		1/2	4,915.80	1/2	4,579.34	1/2	4,231.92	1/2	3,861.14	1/2	3,483.07	1/2	3,105.01	1/2	2,726.94
3/4		3/4		3/4		3/4		3/4	4,908.19	3/4	4,572.37	3/4	4,224.41	3/4	3,853.27	3/4	3,475.20	3/4	3,097.13	3/4	2,719.06
<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	4,900.58	<b>11</b>	4,565.39	<b>11</b>	4,216.89	<b>11</b>	3,845.39	<b>11</b>	3,467.32	<b>11</b>	3,089.25	<b>11</b>	2,711.19
1/4		1/4		1/4		1/4		1/4	4,892.98	1/4	4,558.42	1/4	4,209.38	1/4	3,837.51	1/4	3,459.45	1/4	3,081.38	1/4	2,703.31
1/2		1/2		1/2		1/2		1/2	4,885.18	1/2	4,551.40	1/2	4,201.82	1/2	3,829.64	1/2	3,451.57	1/2	3,073.50	1/2	2,695.43
3/4		3/4		3/4		3/4		3/4	4,877.39	3/4	4,544.39	3/4	4,194.27	3/4	3,821.76	3/4	3,443.69	3/4	3,065.63	3/4	2,687.56

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 49'-09" 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 27770"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,679.68	0	2,301.61	0	1,923.55	0	1,545.47	0	1,168.08	0	791.07	0	421.35	0	88.50	0		0	
1/4	2,671.81	1/4	2,293.74	1/4	1,915.67	1/4	1,537.59	1/4	1,160.21	1/4	783.19	1/4	413.92	1/4	82.81	1/4		1/4	
1/2	2,663.93	1/2	2,285.86	1/2	1,907.79	1/2	1,529.72	1/2	1,152.36	1/2	775.32	1/2	406.38	1/2	77.24	1/2		1/2	
3/4	2,656.05	3/4	2,277.99	3/4	1,899.92	3/4	1,521.84	3/4	1,144.51	3/4	767.44	3/4	398.84	3/4	71.66	3/4		3/4	
1	2,648.18	1	2,270.11	1	1,892.04	1	1,513.96	1	1,136.66	1	759.56	1	391.29	1	66.09	1		1	
1/4	2,640.30	1/4	2,262.23	1/4	1,884.16	1/4	1,506.09	1/4	1,128.81	1/4	751.69	1/4	383.75	1/4	60.51	1/4		1/4	
1/2	2,632.42	1/2	2,254.36	1/2	1,876.29	1/2	1,498.22	1/2	1,120.96	1/2	743.81	1/2	376.32	1/2	54.61	1/2		1/2	
3/4	2,624.55	3/4	2,246.48	3/4	1,868.41	3/4	1,490.36	3/4	1,113.11	3/4	735.93	3/4	368.89	3/4	48.70	3/4		3/4	
2	2,616.67	2	2,238.60	2	1,860.53	2	1,482.50	2	1,105.27	2	728.06	2	361.46	2	42.80	2		2	
1/4	2,608.79	1/4	2,230.73	1/4	1,852.66	1/4	1,474.64	1/4	1,097.42	1/4	720.18	1/4	354.02	1/4	36.90	1/4		1/4	
1/2	2,600.92	1/2	2,222.85	1/2	1,844.78	1/2	1,466.79	1/2	1,089.57	1/2	712.30	1/2	346.69	1/2	31.50	1/2		1/2	
3/4	2,593.04	3/4	2,214.97	3/4	1,836.90	3/4	1,458.94	3/4	1,081.72	3/4	704.43	3/4	339.36	3/4	26.10	3/4		3/4	
3	2,585.16	3	2,207.10	3	1,829.03	3	1,451.09	3	1,073.87	3	696.55	3	332.02	3	20.70	3		3	
1/4	2,577.29	1/4	2,199.22	1/4	1,821.15	1/4	1,443.24	1/4	1,066.03	1/4	688.67	1/4	324.69	1/4	15.30	1/4		1/4	
1/2	2,569.41	1/2	2,191.34	1/2	1,813.27	1/2	1,435.39	1/2	1,058.18	1/2	680.79	1/2	317.44	1/2	11.92	1/2		1/2	
3/4	2,561.54	3/4	2,183.47	3/4	1,805.40	3/4	1,427.54	3/4	1,050.33	3/4	672.92	3/4	310.20	3/4	8.55	3/4		3/4	
4	2,553.66	4	2,175.59	4	1,797.52	4	1,419.69	4	1,042.48	4	665.04	4	302.95	4		4		4	
1/4	2,545.78	1/4	2,167.72	1/4	1,789.64	1/4	1,411.84	1/4	1,034.63	1/4	657.16	1/4	295.71	1/4		1/4		1/4	
1/2	2,537.91	1/2	2,159.84	1/2	1,781.77	1/2	1,403.99	1/2	1,026.79	1/2	649.29	1/2	288.56	1/2		1/2		1/2	
3/4	2,530.03	3/4	2,151.96	3/4	1,773.89	3/4	1,396.14	3/4	1,018.94	3/4	641.41	3/4	281.41	3/4		3/4		3/4	
5	2,522.15	5	2,144.09	5	1,766.01	5	1,388.30	5	1,011.09	5	633.53	5	274.26	5		5		5	
1/4	2,514.28	1/4	2,136.21	1/4	1,758.14	1/4	1,380.45	1/4	1,003.24	1/4	625.66	1/4	267.11	1/4		1/4		1/4	
1/2	2,506.40	1/2	2,128.33	1/2	1,750.26	1/2	1,372.60	1/2	995.39	1/2	617.78	1/2	260.07	1/2		1/2		1/2	
3/4	2,498.52	3/4	2,120.46	3/4	1,742.38	3/4	1,364.75	3/4	987.55	3/4	609.90	3/4	253.02	3/4		3/4		3/4	
6	2,490.65	6	2,112.58	6	1,734.51	6	1,356.90	6	979.70	6	602.03	6	245.98	6		6		6	
1/4	2,482.77	1/4	2,104.70	1/4	1,726.63	1/4	1,349.05	1/4	971.85	1/4	594.15	1/4	238.93	1/4		1/4		1/4	
1/2	2,474.90	1/2	2,096.83	1/2	1,718.76	1/2	1,341.20	1/2	964.00	1/2	586.27	1/2	231.99	1/2		1/2		1/2	
3/4	2,467.02	3/4	2,088.95	3/4	1,710.88	3/4	1,333.35	3/4	956.15	3/4	578.39	3/4	225.05	3/4		3/4		3/4	
7	2,459.14	7	2,081.08	7	1,703.00	7	1,325.50	7	948.31	7	570.52	7	218.11	7		7		7	
1/4	2,451.27	1/4	2,073.20	1/4	1,695.13	1/4	1,317.65	1/4	940.46	1/4	562.64	1/4	211.17	1/4		1/4		1/4	
1/2	2,443.39	1/2	2,065.32	1/2	1,687.25	1/2	1,309.79	1/2	932.61	1/2	554.76	1/2	204.34	1/2		1/2		1/2	
3/4	2,435.51	3/4	2,057.45	3/4	1,679.37	3/4	1,301.92	3/4	924.76	3/4	546.88	3/4	197.51	3/4		3/4		3/4	
8	2,427.64	8	2,049.57	8	1,671.50	8	1,294.06	8	916.91	8	539.01	8	190.68	8		8		8	
1/4	2,419.76	1/4	2,041.69	1/4	1,663.62	1/4	1,286.20	1/4	909.07	1/4	531.13	1/4	183.85	1/4		1/4		1/4	
1/2	2,411.88	1/2	2,033.82	1/2	1,655.74	1/2	1,278.32	1/2	901.22	1/2	523.48	1/2	177.14	1/2		1/2		1/2	
3/4	2,404.01	3/4	2,025.94	3/4	1,647.87	3/4	1,270.44	3/4	893.37	3/4	515.84	3/4	170.43	3/4		3/4		3/4	
9	2,396.13	9	2,018.07	9	1,639.99	9	1,262.56	9	885.52	9	508.20	9	163.72	9		9		9	
1/4	2,388.25	1/4	2,010.19	1/4	1,632.11	1/4	1,254.69	1/4	877.67	1/4	500.55	1/4	157.01	1/4		1/4		1/4	
1/2	2,380.38	1/2	2,002.31	1/2	1,624.24	1/2	1,246.81	1/2	869.80	1/2	493.40	1/2	150.41	1/2		1/2		1/2	
3/4	2,372.50	3/4	1,994.44	3/4	1,616.36	3/4	1,238.93	3/4	861.94	3/4	486.24	3/4	143.82	3/4		3/4		3/4	
10	2,364.63	10	1,986.56	10	1,608.48	10	1,231.05	10	854.07	10	479.09	10	137.22	10		10		10	
1/4	2,356.75	1/4	1,978.68	1/4	1,600.61	1/4	1,223.18	1/4	846.21	1/4	471.94	1/4	130.62	1/4		1/4		1/4	
1/2	2,348.87	1/2	1,970.81	1/2	1,592.73	1/2	1,215.30	1/2	838.33	1/2	464.86	1/2	124.36	1/2		1/2		1/2	
3/4	2,341.00	3/4	1,962.93	3/4	1,584.85	3/4	1,207.42	3/4	830.46	3/4	457.79	3/4	118.10	3/4		3/4		3/4	
11	2,333.12	11	1,955.05	11	1,576.98	11	1,199.55	11	822.58	11	450.71	11	111.84	11		11		11	
1/4	2,325.24	1/4	1,947.18	1/4	1,569.10	1/4	1,191.67	1/4	814.70	1/4	443.64	1/4	105.58	1/4		1/4		1/4	
1/2	2,317.37	1/2	1,939.30	1/2	1,561.22	1/2	1,183.80	1/2	806.82	1/2	436.21	1/2	99.89	1/2		1/2		1/2	
3/4	2,309.49	3/4	1,931.42	3/4	1,553.35	3/4	1,175.94	3/4	798.95	3/4	428.78	3/4	94.20	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/25/2011 CL - SW  
CALCULATED: 07/25/2011 CL  
PRINTED: 07/25/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2011

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



# BARGE "KIRBY 27770"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
									4,697.08		4,380.67		4,047.86		3,693.67		3,334.22		2,974.76
1/4		1/4		1/4		1/4		1/4	4,689.67	1/4	4,374.00	1/4	4,040.68	1/4	3,686.18	1/4	3,326.73	1/4	2,967.28
1/2		1/2		1/2		1/2		1/2	4,682.27	1/2	4,367.34	1/2	4,033.50	1/2	3,678.69	1/2	3,319.24	1/2	2,959.79
3/4		3/4		3/4		3/4		3/4	4,675.14	3/4	4,360.64	3/4	4,026.28	3/4	3,671.20	3/4	3,311.75	3/4	2,952.30
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	4,668.01	<b>1</b>	4,353.94	<b>1</b>	4,019.06	<b>1</b>	3,663.72	<b>1</b>	3,304.26	<b>1</b>	2,944.81
1/4		1/4		1/4		1/4		1/4	4,660.88	1/4	4,347.24	1/4	4,011.84	1/4	3,656.23	1/4	3,296.77	1/4	2,937.32
1/2		1/2		1/2		1/2		1/2	4,653.75	1/2	4,340.54	1/2	4,004.62	1/2	3,648.74	1/2	3,289.29	1/2	2,929.83
3/4		3/4		3/4		3/4		3/4	4,647.17	3/4	4,333.80	3/4	3,997.37	3/4	3,641.25	3/4	3,281.80	3/4	2,922.34
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	4,640.58	<b>2</b>	4,327.07	<b>2</b>	3,990.12	<b>2</b>	3,633.76	<b>2</b>	3,274.31	<b>2</b>	2,914.86
1/4		1/4		1/4		1/4		1/4	4,633.99	1/4	4,320.33	1/4	3,982.86	1/4	3,626.27	1/4	3,266.82	1/4	2,907.37
1/2		1/2		1/2		1/2		1/2	4,627.40	1/2	4,313.59	1/2	3,975.61	1/2	3,618.78	1/2	3,259.33	1/2	2,899.88
3/4		3/4		3/4		3/4		3/4	4,621.06	3/4	4,306.82	3/4	3,968.32	3/4	3,611.29	3/4	3,251.84	3/4	2,892.39
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	4,614.73	<b>3</b>	4,300.05	<b>3</b>	3,961.03	<b>3</b>	3,603.81	<b>3</b>	3,244.35	<b>3</b>	2,884.90
1/4		1/4		1/4		1/4		1/4	4,608.39	1/4	4,293.28	1/4	3,953.74	1/4	3,596.32	1/4	3,236.86	1/4	2,877.41
1/2		1/2		1/2		1/2		1/2	4,602.05	1/2	4,286.50	1/2	3,946.45	1/2	3,588.83	1/2	3,229.38	1/2	2,869.92
3/4		3/4		3/4		3/4		3/4	4,595.67	3/4	4,279.67	3/4	3,939.12	3/4	3,581.34	3/4	3,221.89	3/4	2,862.43
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	4,589.30	<b>4</b>	4,272.85	<b>4</b>	3,931.79	<b>4</b>	3,573.85	<b>4</b>	3,214.40	<b>4</b>	2,854.95
1/4		1/4		1/4		1/4		1/4	4,582.92	1/4	4,266.02	1/4	3,924.47	1/4	3,566.36	1/4	3,206.91	1/4	2,847.46
1/2		1/2		1/2		1/2		1/2	4,576.55	1/2	4,259.19	1/2	3,917.14	1/2	3,558.87	1/2	3,199.42	1/2	2,839.97
3/4		3/4		3/4		3/4		3/4	4,570.13	3/4	4,252.28	3/4	3,909.78	3/4	3,551.39	3/4	3,191.93	3/4	2,832.48
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	4,563.72	<b>5</b>	4,245.37	<b>5</b>	3,902.42	<b>5</b>	3,543.90	<b>5</b>	3,184.44	<b>5</b>	2,824.99
1/4		1/4		1/4		1/4		1/4	4,557.31	1/4	4,238.46	1/4	3,895.06	1/4	3,536.41	1/4	3,176.96	1/4	2,817.50
1/2		1/2		1/2		1/2		1/2	4,550.90	1/2	4,231.55	1/2	3,887.69	1/2	3,528.92	1/2	3,169.47	1/2	2,810.01
3/4		3/4		3/4		3/4		3/4	4,544.45	3/4	4,224.59	3/4	3,880.30	3/4	3,521.43	3/4	3,161.98	3/4	2,802.53
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	4,538.01	<b>6</b>	4,217.62	<b>6</b>	3,872.90	<b>6</b>	3,513.94	<b>6</b>	3,154.49	<b>6</b>	2,795.04
1/4		1/4		1/4		1/4		1/4	4,531.56	1/4	4,210.66	1/4	3,865.50	1/4	3,506.45	1/4	3,147.00	1/4	2,787.55
1/2		1/2		1/2		1/2		1/2	4,525.11	1/2	4,203.69	1/2	3,858.10	1/2	3,498.97	1/2	3,139.51	1/2	2,780.06
3/4		3/4		3/4		3/4		3/4	4,518.63	3/4	4,196.69	3/4	3,850.67	3/4	3,491.48	3/4	3,132.02	3/4	2,772.57
<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	4,512.14	<b>7</b>	4,189.69	<b>7</b>	3,843.23	<b>7</b>	3,483.99	<b>7</b>	3,124.54	<b>7</b>	2,765.08
1/4		1/4		1/4		1/4		1/4	4,505.66	1/4	4,182.69	1/4	3,835.80	1/4	3,476.50	1/4	3,117.05	1/4	2,757.59
1/2		1/2		1/2		1/2		1/2	4,499.18	1/2	4,175.69	1/2	3,828.36	1/2	3,469.01	1/2	3,109.56	1/2	2,750.11
3/4		3/4		3/4		3/4		3/4	4,492.66	3/4	4,168.65	3/4	3,820.90	3/4	3,461.52	3/4	3,102.07	3/4	2,742.62
<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	4,486.14	<b>8</b>	4,161.61	<b>8</b>	3,813.43	<b>8</b>	3,454.03	<b>8</b>	3,094.58	<b>8</b>	2,735.13
1/4		1/4		1/4		1/4		1/4	4,479.62	1/4	4,154.58	1/4	3,805.96	1/4	3,446.55	1/4	3,087.09	1/4	2,727.64
1/2		1/2		1/2		1/2		1/2	4,473.10	1/2	4,147.54	1/2	3,798.50	1/2	3,439.06	1/2	3,079.60	1/2	2,720.15
3/4		3/4		3/4		3/4		3/4	4,466.54	3/4	4,140.46	3/4	3,791.01	3/4	3,431.57	3/4	3,072.12	3/4	2,712.66
<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	4,477.02	<b>9</b>	4,459.99	<b>9</b>	4,133.39	<b>9</b>	3,783.53	<b>9</b>	3,424.08	<b>9</b>	3,064.63
1/4		1/4		1/4		1/4		1/4	4,471.80	1/4	4,453.43	1/4	4,126.32	1/4	3,776.04	1/4	3,416.59	1/4	3,057.14
1/2		1/2		1/2		1/2		1/2	4,466.59	1/2	4,446.87	1/2	4,119.24	1/2	3,768.56	1/2	3,409.10	1/2	3,049.65
3/4		3/4		3/4		3/4		3/4	4,460.14	3/4	4,440.28	3/4	4,112.13	3/4	3,761.07	3/4	3,401.61	3/4	3,042.16
<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	4,473.69	<b>10</b>	4,433.69	<b>10</b>	4,105.02	<b>10</b>	3,753.58	<b>10</b>	3,394.13	<b>10</b>	3,034.67
1/4		1/4		1/4		1/4		1/4	4,474.24	1/4	4,427.10	1/4	4,097.92	1/4	3,746.09	1/4	3,386.64	1/4	3,027.18
1/2		1/2		1/2		1/2		1/2	4,470.80	1/2	4,420.51	1/2	4,090.81	1/2	3,738.60	1/2	3,379.15	1/2	3,019.70
3/4		3/4		3/4		3/4		3/4	4,473.57	3/4	4,413.88	3/4	4,083.66	3/4	3,731.11	3/4	3,371.66	3/4	3,012.21
<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	4,476.34	<b>11</b>	4,407.25	<b>11</b>	4,076.51	<b>11</b>	3,723.62	<b>11</b>	3,364.17	<b>11</b>	3,004.72
1/4		1/4		1/4		1/4		1/4	4,471.11	1/4	4,400.62	1/4	4,069.37	1/4	3,716.14	1/4	3,356.68	1/4	2,997.23
1/2		1/2		1/2		1/2		1/2	4,471.88	1/2	4,394.00	1/2	4,062.22	1/2	3,708.65	1/2	3,349.19	1/2	2,989.74
3/4		3/4		3/4		3/4		3/4	4,470.48	3/4	4,387.33	3/4	4,055.04	3/4	3,701.16	3/4	3,341.71	3/4	2,982.25

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 49'-09" 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 27770"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04"

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	2,615.31	0	2,255.86	0	1,896.40	0	1,536.94	0	1,182.58	0	838.38	0	485.84	0	129.81	0		0	
1/4	2,607.82	1/4	2,248.37	1/4	1,888.91	1/4	1,529.45	1/4	1,175.41	1/4	831.04	1/4	478.58	1/4	123.02	1/4		1/4	
1/2	2,600.33	1/2	2,240.88	1/2	1,881.42	1/2	1,521.96	1/2	1,168.23	1/2	823.70	1/2	471.32	1/2	116.22	1/2		1/2	
3/4	2,592.85	3/4	2,233.39	3/4	1,873.93	3/4	1,514.55	3/4	1,161.07	3/4	816.21	3/4	463.86	3/4	109.44	3/4		3/4	
1	2,585.36	1	2,225.90	1	1,866.44	1	1,507.14	1	1,153.91	1	808.72	1	456.39	1	102.66	1		1	
1/4	2,577.87	1/4	2,218.42	1/4	1,858.96	1/4	1,499.74	1/4	1,146.75	1/4	801.23	1/4	448.92	1/4	95.87	1/4		1/4	
1/2	2,570.38	1/2	2,210.93	1/2	1,851.47	1/2	1,492.33	1/2	1,139.59	1/2	793.75	1/2	441.46	1/2	89.09	1/2		1/2	
3/4	2,562.89	3/4	2,203.44	3/4	1,843.98	3/4	1,485.00	3/4	1,132.43	3/4	786.26	3/4	434.00	3/4	81.90	3/4		3/4	
2	2,555.40	2	2,195.95	2	1,836.49	2	1,477.68	2	1,125.27	2	778.77	2	426.54	2	74.70	2		2	
1/4	2,547.91	1/4	2,188.46	1/4	1,829.00	1/4	1,470.35	1/4	1,118.11	1/4	771.28	1/4	419.08	1/4	67.51	1/4		1/4	
1/2	2,540.43	1/2	2,180.97	1/2	1,821.51	1/2	1,463.02	1/2	1,110.96	1/2	763.79	1/2	411.62	1/2	60.32	1/2		1/2	
3/4	2,532.94	3/4	2,173.48	3/4	1,814.02	3/4	1,455.70	3/4	1,103.80	3/4	756.30	3/4	404.15	3/4	53.50	3/4		3/4	
3	2,525.45	3	2,166.00	3	1,806.53	3	1,448.37	3	1,096.64	3	748.81	3	396.68	3	46.69	3		3	
1/4	2,517.96	1/4	2,158.51	1/4	1,799.05	1/4	1,441.04	1/4	1,089.48	1/4	741.32	1/4	389.22	1/4	39.87	1/4		1/4	
1/2	2,510.47	1/2	2,151.02	1/2	1,791.56	1/2	1,433.72	1/2	1,082.32	1/2	733.83	1/2	381.75	1/2	33.06	1/2		1/2	
3/4	2,502.98	3/4	2,143.53	3/4	1,784.07	3/4	1,426.39	3/4	1,075.16	3/4	726.34	3/4	374.27	3/4	28.07	3/4		3/4	
4	2,495.49	4	2,136.04	4	1,776.58	4	1,419.06	4	1,068.00	4	718.85	4	366.79	4	23.08	4		4	
1/4	2,488.00	1/4	2,128.55	1/4	1,769.09	1/4	1,411.74	1/4	1,060.85	1/4	711.37	1/4	359.31	1/4		1/4		1/4	
1/2	2,480.52	1/2	2,121.06	1/2	1,761.60	1/2	1,404.41	1/2	1,053.69	1/2	703.88	1/2	351.83	1/2		1/2		1/2	
3/4	2,473.03	3/4	2,113.57	3/4	1,754.11	3/4	1,397.08	3/4	1,046.53	3/4	696.39	3/4	344.34	3/4		3/4		3/4	
5	2,465.54	5	2,106.09	5	1,746.62	5	1,389.76	5	1,039.37	5	688.90	5	336.85	5		5		5	
1/4	2,458.05	1/4	2,098.60	1/4	1,739.14	1/4	1,382.43	1/4	1,032.21	1/4	681.41	1/4	329.36	1/4		1/4		1/4	
1/2	2,450.56	1/2	2,091.11	1/2	1,731.65	1/2	1,375.10	1/2	1,025.05	1/2	673.92	1/2	321.87	1/2		1/2		1/2	
3/4	2,443.07	3/4	2,083.62	3/4	1,724.16	3/4	1,367.77	3/4	1,017.89	3/4	666.43	3/4	314.38	3/4		3/4		3/4	
6	2,435.58	6	2,076.13	6	1,716.67	6	1,360.45	6	1,010.74	6	658.94	6	306.90	6		6		6	
1/4	2,428.10	1/4	2,068.64	1/4	1,709.18	1/4	1,353.12	1/4	1,003.58	1/4	651.45	1/4	299.41	1/4		1/4		1/4	
1/2	2,420.61	1/2	2,061.15	1/2	1,701.69	1/2	1,345.79	1/2	996.42	1/2	643.96	1/2	291.92	1/2		1/2		1/2	
3/4	2,413.12	3/4	2,053.67	3/4	1,694.20	3/4	1,338.38	3/4	989.26	3/4	636.47	3/4	284.43	3/4		3/4		3/4	
7	2,405.63	7	2,046.18	7	1,686.71	7	1,330.98	7	982.10	7	628.98	7	276.94	7		7		7	
1/4	2,398.14	1/4	2,038.69	1/4	1,679.22	1/4	1,323.57	1/4	974.94	1/4	621.49	1/4	269.45	1/4		1/4		1/4	
1/2	2,390.65	1/2	2,031.20	1/2	1,671.74	1/2	1,316.16	1/2	967.78	1/2	614.00	1/2	261.97	1/2		1/2		1/2	
3/4	2,383.16	3/4	2,023.71	3/4	1,664.25	3/4	1,308.67	3/4	960.62	3/4	606.51	3/4	254.48	3/4		3/4		3/4	
8	2,375.68	8	2,016.22	8	1,656.76	8	1,301.18	8	953.47	8	599.02	8	247.00	8		8		8	
1/4	2,368.19	1/4	2,008.73	1/4	1,649.27	1/4	1,293.69	1/4	946.31	1/4	591.53	1/4	239.52	1/4		1/4		1/4	
1/2	2,360.70	1/2	2,001.25	1/2	1,641.78	1/2	1,286.20	1/2	939.15	1/2	584.05	1/2	232.04	1/2		1/2		1/2	
3/4	2,353.21	3/4	1,993.76	3/4	1,634.29	3/4	1,278.71	3/4	931.99	3/4	576.78	3/4	224.57	3/4		3/4		3/4	
9	2,345.72	9	1,986.27	9	1,626.80	9	1,271.22	9	924.83	9	569.51	9	217.11	9		9		9	
1/4	2,338.23	1/4	1,978.78	1/4	1,619.31	1/4	1,263.73	1/4	917.67	1/4	562.24	1/4	209.64	1/4		1/4		1/4	
1/2	2,330.74	1/2	1,971.29	1/2	1,611.83	1/2	1,256.24	1/2	910.51	1/2	554.97	1/2	202.18	1/2		1/2		1/2	
3/4	2,323.26	3/4	1,963.80	3/4	1,604.34	3/4	1,248.75	3/4	903.33	3/4	548.15	3/4	194.72	3/4		3/4		3/4	
10	2,315.77	10	1,956.31	10	1,596.85	10	1,241.26	10	896.16	10	541.32	10	187.26	10		10		10	
1/4	2,308.28	1/4	1,948.82	1/4	1,589.36	1/4	1,233.77	1/4	888.98	1/4	534.49	1/4	179.81	1/4		1/4		1/4	
1/2	2,300.79	1/2	1,941.33	1/2	1,581.87	1/2	1,226.29	1/2	881.81	1/2	527.67	1/2	172.35	1/2		1/2		1/2	
3/4	2,293.30	3/4	1,933.84	3/4	1,574.38	3/4	1,218.95	3/4	874.62	3/4	520.84	3/4	165.11	3/4		3/4		3/4	
11	2,285.81	11	1,926.36	11	1,566.89	11	1,211.61	11	867.43	11	514.02	11	157.88	11		11		11	
1/4	2,278.32	1/4	1,918.87	1/4	1,559.40	1/4	1,204.27	1/4	860.24	1/4	507.19	1/4	150.64	1/4		1/4		1/4	
1/2	2,270.84	1/2	1,911.38	1/2	1,551.92	1/2	1,196.93	1/2	853.06	1/2	500.37	1/2	143.41	1/2		1/2		1/2	
3/4	2,263.35	3/4	1,903.89	3/4	1,544.43	3/4	1,189.76	3/4	845.72	3/4	493.11	3/4	136.61	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/25/2011 CL - SW  
CALCULATED: 07/25/2011 CL  
PRINTED: 07/25/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2011

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





# BARGE "KIRBY 27770"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	4,703.01	0	4,387.53	0	4,054.38	0	3,700.07	0	3,340.79	0	2,981.51
1/4		1/4		1/4		1/4		1/4	4,695.61	1/4	4,380.87	1/4	4,047.21	1/4	3,692.58	1/4	3,333.30	1/4	2,974.02
1/2		1/2		1/2		1/2		1/2	4,688.49	1/2	4,374.17	1/2	4,039.99	1/2	3,685.10	1/2	3,325.82	1/2	2,966.54
3/4		3/4		3/4		3/4		3/4	4,681.36	3/4	4,367.48	3/4	4,032.78	3/4	3,677.61	3/4	3,318.33	3/4	2,959.05
1		1		1		1		1	4,674.24	1	4,360.78	1	4,025.56	1	3,670.13	1	3,310.85	1	2,951.57
1/4		1/4		1/4		1/4		1/4	4,667.11	1/4	4,354.08	1/4	4,018.35	1/4	3,662.64	1/4	3,303.36	1/4	2,944.08
1/2		1/2		1/2		1/2		1/2	4,660.53	1/2	4,347.35	1/2	4,011.10	1/2	3,655.16	1/2	3,295.88	1/2	2,936.60
3/4		3/4		3/4		3/4		3/4	4,653.95	3/4	4,340.62	3/4	4,003.85	3/4	3,647.67	3/4	3,288.39	3/4	2,929.11
2		2		2		2		2	4,647.36	2	4,333.89	2	3,996.60	2	3,640.19	2	3,280.91	2	2,921.63
1/4		1/4		1/4		1/4		1/4	4,640.78	1/4	4,327.15	1/4	3,989.35	1/4	3,632.70	1/4	3,273.42	1/4	2,914.14
1/2		1/2		1/2		1/2		1/2	4,634.44	1/2	4,320.39	1/2	3,982.06	1/2	3,625.22	1/2	3,265.94	1/2	2,906.66
3/4		3/4		3/4		3/4		3/4	4,628.11	3/4	4,313.62	3/4	3,974.77	3/4	3,617.73	3/4	3,258.45	3/4	2,899.17
3		3		3		3		3	4,621.77	3	4,306.85	3	3,967.49	3	3,610.25	3	3,250.97	3	2,891.69
1/4		1/4		1/4		1/4		1/4	4,615.44	1/4	4,300.08	1/4	3,960.20	1/4	3,602.76	1/4	3,243.48	1/4	2,884.20
1/2		1/2		1/2		1/2		1/2	4,609.07	1/2	4,293.25	1/2	3,952.88	1/2	3,595.28	1/2	3,236.00	1/2	2,876.72
3/4		3/4		3/4		3/4		3/4	4,602.70	3/4	4,286.43	3/4	3,945.56	3/4	3,587.79	3/4	3,228.51	3/4	2,869.23
4		4		4		4		4	4,596.32	4	4,279.60	4	3,938.23	4	3,580.31	4	3,221.03	4	2,861.75
1/4		1/4		1/4		1/4		1/4	4,589.95	1/4	4,272.78	1/4	3,930.91	1/4	3,572.82	1/4	3,213.54	1/4	2,854.26
1/2		1/2		1/2		1/2		1/2	4,583.55	1/2	4,265.87	1/2	3,923.55	1/2	3,565.34	1/2	3,206.06	1/2	2,846.78
3/4		3/4		3/4		3/4		3/4	4,577.14	3/4	4,258.97	3/4	3,916.19	3/4	3,557.85	3/4	3,198.57	3/4	2,839.29
5		5		5		5		5	4,570.73	5	4,252.06	5	3,908.84	5	3,550.37	5	3,191.09	5	2,831.81
1/4		1/4		1/4		1/4		1/4	4,564.32	1/4	4,245.16	1/4	3,901.48	1/4	3,542.88	1/4	3,183.60	1/4	2,824.32
1/2		1/2		1/2		1/2		1/2	4,557.88	1/2	4,238.20	1/2	3,894.08	1/2	3,535.40	1/2	3,176.12	1/2	2,816.84
3/4		3/4		3/4		3/4		3/4	4,551.44	3/4	4,231.24	3/4	3,886.69	3/4	3,527.91	3/4	3,168.63	3/4	2,809.35
6		6		6		6		6	4,544.99	6	4,224.28	6	3,879.29	6	3,520.43	6	3,161.15	6	2,801.87
1/4		1/4		1/4		1/4		1/4	4,538.55	1/4	4,217.31	1/4	3,871.90	1/4	3,512.94	1/4	3,153.66	1/4	2,794.38
1/2		1/2		1/2		1/2		1/2	4,532.07	1/2	4,210.32	1/2	3,864.47	1/2	3,505.46	1/2	3,146.18	1/2	2,786.90
3/4		3/4		3/4		3/4		3/4	4,525.59	3/4	4,203.32	3/4	3,857.04	3/4	3,497.97	3/4	3,138.69	3/4	2,779.41
7		7		7		7		7	4,519.11	7	4,196.32	7	3,849.61	7	3,490.49	7	3,131.21	7	2,771.93
1/4		1/4		1/4		1/4		1/4	4,512.63	1/4	4,189.32	1/4	3,842.18	1/4	3,483.00	1/4	3,123.72	1/4	2,764.44
1/2		1/2		1/2		1/2		1/2	4,506.11	1/2	4,182.29	1/2	3,834.71	1/2	3,475.52	1/2	3,116.24	1/2	2,756.96
3/4		3/4		3/4		3/4		3/4	4,499.60	3/4	4,175.26	3/4	3,827.25	3/4	3,468.03	3/4	3,108.75	3/4	2,749.47
8		8		8		8		8	4,493.08	8	4,168.22	8	3,819.79	8	3,460.55	8	3,101.27	8	2,741.99
1/4		1/4		1/4		1/4	4,800.77	1/4	4,486.57	1/4	4,161.19	1/4	3,812.33	1/4	3,453.06	1/4	3,093.78	1/4	2,734.50
1/2		1/2		1/2		1/2	4,795.55	1/2	4,480.01	1/2	4,154.12	1/2	3,804.85	1/2	3,445.58	1/2	3,086.30	1/2	2,727.02
3/4		3/4		3/4		3/4	4,790.34	3/4	4,473.46	3/4	4,147.05	3/4	3,797.36	3/4	3,438.09	3/4	3,078.81	3/4	2,719.53
9		9		9		9	4,785.12	9	4,466.91	9	4,139.98	9	3,789.88	9	3,430.61	9	3,071.33	9	2,712.05
1/4		1/4		1/4		1/4	4,779.90	1/4	4,460.36	1/4	4,132.91	1/4	3,782.40	1/4	3,423.12	1/4	3,063.84	1/4	2,704.56
1/2		1/2		1/2		1/2	4,773.46	1/2	4,453.77	1/2	4,125.80	1/2	3,774.92	1/2	3,415.64	1/2	3,056.36	1/2	2,697.08
3/4		3/4		3/4		3/4	4,767.01	3/4	4,447.18	3/4	4,118.70	3/4	3,767.43	3/4	3,408.15	3/4	3,048.87	3/4	2,689.59
10		10		10		10	4,760.56	10	4,440.59	10	4,111.59	10	3,759.95	10	3,400.67	10	3,041.39	10	2,682.11
1/4		1/4		1/4		1/4	4,754.12	1/4	4,434.01	1/4	4,104.49	1/4	3,752.46	1/4	3,393.18	1/4	3,033.90	1/4	2,674.62
1/2		1/2		1/2		1/2	4,746.89	1/2	4,427.38	1/2	4,097.34	1/2	3,744.98	1/2	3,385.70	1/2	3,026.42	1/2	2,667.14
3/4		3/4		3/4		3/4	4,739.67	3/4	4,420.76	3/4	4,090.20	3/4	3,737.49	3/4	3,378.21	3/4	3,018.93	3/4	2,659.65
11		11		11		11	4,732.44	11	4,414.13	11	4,083.06	11	3,730.01	11	3,370.73	11	3,011.45	11	2,652.17
1/4		1/4		1/4		1/4	4,725.22	1/4	4,407.51	1/4	4,075.92	1/4	3,722.52	1/4	3,363.24	1/4	3,003.96	1/4	2,644.68
1/2		1/2		1/2		1/2	4,717.81	1/2	4,400.85	1/2	4,068.74	1/2	3,715.04	1/2	3,355.76	1/2	2,996.48	1/2	2,637.20
3/4		3/4		3/4		3/4	4,710.41	3/4	4,394.19	3/4	4,061.56	3/4	3,707.55	3/4	3,348.27	3/4	2,988.99	3/4	2,629.71

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 EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 49'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "KIRBY 27770"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,622.23	0	2,262.95	0	1,903.66	0	1,544.37	0	1,189.00	0	830.78	0	478.35	0	122.96	0		0	
1/4	2,614.74	1/4	2,255.46	1/4	1,896.18	1/4	1,536.89	1/4	1,181.53	1/4	823.30	1/4	471.09	1/4	116.16	1/4		1/4	
1/2	2,607.26	1/2	2,247.98	1/2	1,888.69	1/2	1,529.49	1/2	1,174.07	1/2	815.81	1/2	463.63	1/2	109.38	1/2		1/2	
3/4	2,599.77	3/4	2,240.49	3/4	1,881.21	3/4	1,522.08	3/4	1,166.61	3/4	808.32	3/4	456.16	3/4	102.60	3/4		3/4	
1	2,592.29	1	2,233.01	1	1,873.72	1	1,514.68	1	1,159.15	1	800.84	1	448.70	1	95.83	1		1	
1/4	2,584.80	1/4	2,225.52	1/4	1,866.24	1/4	1,507.27	1/4	1,151.69	1/4	793.35	1/4	441.24	1/4	89.05	1/4		1/4	
1/2	2,577.32	1/2	2,218.04	1/2	1,858.75	1/2	1,499.95	1/2	1,144.23	1/2	785.87	1/2	433.78	1/2	81.86	1/2		1/2	
3/4	2,569.83	3/4	2,210.55	3/4	1,851.27	3/4	1,492.63	3/4	1,136.78	3/4	778.38	3/4	426.33	3/4	74.67	3/4		3/4	
2	2,562.35	2	2,203.07	2	1,843.78	2	1,485.31	2	1,129.32	2	770.90	2	418.87	2	67.48	2		2	
1/4	2,554.86	1/4	2,195.58	1/4	1,836.30	1/4	1,477.98	1/4	1,121.86	1/4	763.41	1/4	411.41	1/4	60.29	1/4		1/4	
1/2	2,547.38	1/2	2,188.10	1/2	1,828.81	1/2	1,470.66	1/2	1,114.41	1/2	755.93	1/2	403.95	1/2	53.48	1/2		1/2	
3/4	2,539.89	3/4	2,180.61	3/4	1,821.33	3/4	1,463.34	3/4	1,106.95	3/4	748.44	3/4	396.49	3/4	46.67	3/4		3/4	
3	2,532.41	3	2,173.13	3	1,813.84	3	1,456.01	3	1,099.49	3	740.95	3	389.02	3	39.85	3		3	
1/4	2,524.92	1/4	2,165.64	1/4	1,806.36	1/4	1,448.69	1/4	1,092.04	1/4	733.47	1/4	381.56	1/4	33.04	1/4		1/4	
1/2	2,517.44	1/2	2,158.16	1/2	1,798.87	1/2	1,441.37	1/2	1,084.58	1/2	725.98	1/2	374.08	1/2	28.06	1/2		1/2	
3/4	2,509.95	3/4	2,150.67	3/4	1,791.39	3/4	1,434.04	3/4	1,077.12	3/4	718.50	3/4	366.61	3/4	23.07	3/4		3/4	
4	2,502.47	4	2,143.19	4	1,783.90	4	1,426.72	4	1,069.67	4	711.01	4	359.13	4		4		4	
1/4	2,494.98	1/4	2,135.70	1/4	1,776.42	1/4	1,419.40	1/4	1,062.21	1/4	703.53	1/4	351.65	1/4		1/4		1/4	
1/2	2,487.50	1/2	2,128.22	1/2	1,768.93	1/2	1,412.07	1/2	1,054.75	1/2	696.04	1/2	344.17	1/2		1/2		1/2	
3/4	2,480.01	3/4	2,120.73	3/4	1,761.45	3/4	1,404.75	3/4	1,047.30	3/4	688.56	3/4	336.68	3/4		3/4		3/4	
5	2,472.53	5	2,113.25	5	1,753.96	5	1,397.43	5	1,039.84	5	681.07	5	329.20	5		5		5	
1/4	2,465.04	1/4	2,105.76	1/4	1,746.48	1/4	1,390.11	1/4	1,032.38	1/4	673.58	1/4	321.71	1/4		1/4		1/4	
1/2	2,457.56	1/2	2,098.28	1/2	1,738.99	1/2	1,382.78	1/2	1,024.93	1/2	666.10	1/2	314.23	1/2		1/2		1/2	
3/4	2,450.07	3/4	2,090.79	3/4	1,731.50	3/4	1,375.46	3/4	1,017.47	3/4	658.61	3/4	306.74	3/4		3/4		3/4	
6	2,442.59	6	2,083.31	6	1,724.02	6	1,368.13	6	1,010.02	6	651.13	6	299.26	6		6		6	
1/4	2,435.10	1/4	2,075.82	1/4	1,716.53	1/4	1,360.81	1/4	1,002.56	1/4	643.64	1/4	291.77	1/4		1/4		1/4	
1/2	2,427.62	1/2	2,068.34	1/2	1,709.05	1/2	1,353.41	1/2	995.10	1/2	636.15	1/2	284.29	1/2		1/2		1/2	
3/4	2,420.13	3/4	2,060.85	3/4	1,701.56	3/4	1,346.00	3/4	987.65	3/4	628.67	3/4	276.80	3/4		3/4		3/4	
7	2,412.65	7	2,053.37	7	1,694.08	7	1,338.60	7	980.19	7	621.18	7	269.32	7		7		7	
1/4	2,405.16	1/4	2,045.88	1/4	1,686.59	1/4	1,331.19	1/4	972.73	1/4	613.70	1/4	261.83	1/4		1/4		1/4	
1/2	2,397.68	1/2	2,038.40	1/2	1,679.11	1/2	1,323.71	1/2	965.28	1/2	606.21	1/2	254.36	1/2		1/2		1/2	
3/4	2,390.19	3/4	2,030.91	3/4	1,671.62	3/4	1,316.22	3/4	957.82	3/4	598.72	3/4	246.88	3/4		3/4		3/4	
8	2,382.71	8	2,023.43	8	1,664.14	8	1,308.74	8	950.36	8	591.24	8	239.40	8		8		8	
1/4	2,375.22	1/4	2,015.94	1/4	1,656.65	1/4	1,301.25	1/4	942.91	1/4	583.75	1/4	231.92	1/4		1/4		1/4	
1/2	2,367.74	1/2	2,008.46	1/2	1,649.17	1/2	1,293.76	1/2	935.45	1/2	576.49	1/2	224.46	1/2		1/2		1/2	
3/4	2,360.25	3/4	2,000.97	3/4	1,641.68	3/4	1,286.28	3/4	927.99	3/4	569.22	3/4	217.00	3/4		3/4		3/4	
9	2,352.77	9	1,993.49	9	1,634.20	9	1,278.79	9	920.53	9	561.96	9	209.54	9		9		9	
1/4	2,345.28	1/4	1,986.00	1/4	1,626.71	1/4	1,271.31	1/4	913.07	1/4	554.69	1/4	202.07	1/4		1/4		1/4	
1/2	2,337.80	1/2	1,978.52	1/2	1,619.23	1/2	1,263.82	1/2	905.60	1/2	547.87	1/2	194.62	1/2		1/2		1/2	
3/4	2,330.31	3/4	1,971.03	3/4	1,611.74	3/4	1,256.33	3/4	898.13	3/4	541.05	3/4	187.17	3/4		3/4		3/4	
10	2,322.83	10	1,963.55	10	1,604.26	10	1,248.85	10	890.65	10	534.23	10	179.71	10		10		10	
1/4	2,315.34	1/4	1,956.06	1/4	1,596.77	1/4	1,241.36	1/4	883.18	1/4	527.41	1/4	172.26	1/4		1/4		1/4	
1/2	2,307.86	1/2	1,948.58	1/2	1,589.29	1/2	1,233.88	1/2	875.70	1/2	520.58	1/2	165.03	1/2		1/2		1/2	
3/4	2,300.37	3/4	1,941.09	3/4	1,581.80	3/4	1,226.39	3/4	868.21	3/4	513.76	3/4	157.80	3/4		3/4		3/4	
11	2,292.89	11	1,933.61	11	1,574.32	11	1,218.90	11	860.72	11	506.94	11	150.56	11		11		11	
1/4	2,285.40	1/4	1,926.12	1/4	1,566.83	1/4	1,211.42	1/4	853.24	1/4	500.12	1/4	143.33	1/4		1/4		1/4	
1/2	2,277.92	1/2	1,918.63	1/2	1,559.35	1/2	1,203.95	1/2	845.75	1/2	492.86	1/2	136.54	1/2		1/2		1/2	
3/4	2,270.43	3/4	1,911.15	3/4	1,551.86	3/4	1,196.47	3/4	838.27	3/4	485.60	3/4	129.75	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/25/2011 CL - SW  
CALCULATED: 07/25/2011 CL  
PRINTED: 07/25/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2011

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



# BARGE "KIRBY 27770"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-01 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	3,968.65	0	3,803.18	0	3,624.95	0	3,435.22	0	3,188.07	0	2,831.29
1/4		1/4		1/4		1/4		1/4	3,965.03	1/4	3,799.63	1/4	3,621.08	1/4	3,431.23	1/4	3,180.62	1/4	2,823.86
1/2		1/2		1/2		1/2		1/2	3,961.41	1/2	3,796.08	1/2	3,617.22	1/2	3,427.23	1/2	3,173.17	1/2	2,816.44
3/4		3/4		3/4		3/4		3/4	3,957.79	3/4	3,792.53	3/4	3,613.36	3/4	3,423.23	3/4	3,165.71	3/4	2,809.01
1		1		1		1		1	3,954.17	1	3,788.99	1	3,609.49	1	3,419.23	1	3,158.26	1	2,801.58
1/4		1/4		1/4		1/4		1/4	3,950.83	1/4	3,785.42	1/4	3,605.61	1/4	3,415.23	1/4	3,150.81	1/4	2,794.15
1/2		1/2		1/2		1/2		1/2	3,947.50	1/2	3,781.85	1/2	3,601.73	1/2	3,411.24	1/2	3,143.36	1/2	2,786.72
3/4		3/4		3/4		3/4		3/4	3,944.16	3/4	3,778.29	3/4	3,597.85	3/4	3,407.24	3/4	3,135.91	3/4	2,779.29
2		2		2		2		2	3,940.83	2	3,774.72	2	3,593.97	2	3,403.24	2	3,128.46	2	2,771.86
1/4		1/4		1/4		1/4		1/4	3,937.47	1/4	3,771.14	1/4	3,590.06	1/4	3,399.24	1/4	3,121.03	1/4	2,764.43
1/2		1/2		1/2		1/2		1/2	3,934.12	1/2	3,767.55	1/2	3,586.16	1/2	3,395.25	1/2	3,113.60	1/2	2,757.00
3/4		3/4		3/4		3/4		3/4	3,930.76	3/4	3,763.96	3/4	3,582.26	3/4	3,391.25	3/4	3,106.17	3/4	2,749.57
3		3		3		3		3	3,927.41	3	3,760.38	3	3,578.36	3	3,387.25	3	3,098.74	3	2,742.14
1/4		1/4		1/4		1/4		1/4	3,924.04	1/4	3,756.73	1/4	3,574.44	1/4	3,383.25	1/4	3,091.31	1/4	2,734.72
1/2		1/2		1/2		1/2		1/2	3,920.66	1/2	3,753.08	1/2	3,570.52	1/2	3,379.25	1/2	3,083.88	1/2	2,727.29
3/4		3/4		3/4		3/4		3/4	3,917.29	3/4	3,749.44	3/4	3,566.60	3/4	3,375.26	3/4	3,076.45	3/4	2,719.86
4		4		4		4		4	3,913.91	4	3,745.79	4	3,562.68	4	3,371.26	4	3,069.03	4	2,712.43
1/4		1/4		1/4		1/4		1/4	3,910.52	1/4	3,742.08	1/4	3,558.74	1/4	3,367.26	1/4	3,061.60	1/4	2,705.00
1/2		1/2		1/2		1/2		1/2	3,907.13	1/2	3,738.37	1/2	3,554.80	1/2	3,363.26	1/2	3,054.17	1/2	2,697.57
3/4		3/4		3/4		3/4		3/4	3,903.73	3/4	3,734.66	3/4	3,550.86	3/4	3,359.26	3/4	3,046.74	3/4	2,690.14
5		5		5		5		5	3,900.34	5	3,730.95	5	3,546.92	5	3,355.27	5	3,039.31	5	2,682.71
1/4		1/4		1/4		1/4		1/4	3,896.93	1/4	3,727.23	1/4	3,542.96	1/4	3,351.27	1/4	3,031.88	1/4	2,675.28
1/2		1/2		1/2		1/2		1/2	3,893.52	1/2	3,723.50	1/2	3,539.00	1/2	3,347.27	1/2	3,024.45	1/2	2,667.85
3/4		3/4		3/4		3/4		3/4	3,890.10	3/4	3,719.77	3/4	3,535.04	3/4	3,343.27	3/4	3,017.02	3/4	2,660.42
6		6		6		6		6	3,886.69	6	3,716.04	6	3,531.08	6	3,339.27	6	3,009.59	6	2,653.00
1/4		1/4		1/4		1/4		1/4	3,883.26	1/4	3,712.29	1/4	3,527.10	1/4	3,335.28	1/4	3,002.16	1/4	2,645.57
1/2		1/2		1/2		1/2		1/2	3,879.83	1/2	3,708.55	1/2	3,523.12	1/2	3,331.28	1/2	2,994.73	1/2	2,638.14
3/4		3/4		3/4		3/4		3/4	3,876.40	3/4	3,704.80	3/4	3,519.14	3/4	3,327.28	3/4	2,987.30	3/4	2,630.71
7		7		7		7		7	3,872.97	7	3,701.05	7	3,515.16	7	3,323.28	7	2,979.88	7	2,623.28
1/4		1/4		1/4		1/4		1/4	3,869.51	1/4	3,697.28	1/4	3,511.17	1/4	3,319.29	1/4	2,972.45	1/4	2,615.85
1/2		1/2		1/2		1/2		1/2	3,866.06	1/2	3,693.52	1/2	3,507.18	1/2	3,315.29	1/2	2,965.02	1/2	2,608.42
3/4		3/4		3/4		3/4		3/4	3,862.61	3/4	3,689.75	3/4	3,503.18	3/4	3,311.29	3/4	2,957.59	3/4	2,600.99
8		8		8		8	4,023.65	8	3,859.16	8	3,685.98	8	3,499.19	8	3,307.29	8	2,950.16	8	2,593.56
1/4		1/4		1/4		1/4	4,021.29	1/4	3,855.69	1/4	3,682.20	1/4	3,495.19	1/4	3,299.84	1/4	2,942.73	1/4	2,586.13
1/2		1/2		1/2		1/2	4,018.93	1/2	3,852.22	1/2	3,678.41	1/2	3,491.19	1/2	3,292.39	1/2	2,935.30	1/2	2,578.70
3/4		3/4		3/4		3/4	4,016.57	3/4	3,848.75	3/4	3,674.63	3/4	3,487.20	3/4	3,284.94	3/4	2,927.87	3/4	2,571.28
9		9		9		9	4,014.21	9	3,845.28	9	3,670.84	9	3,483.20	9	3,277.49	9	2,920.44	9	2,563.85
1/4		1/4		1/4		1/4	4,010.64	1/4	3,841.79	1/4	3,667.04	1/4	3,479.20	1/4	3,270.03	1/4	2,913.01	1/4	2,556.42
1/2		1/2		1/2		1/2	4,007.08	1/2	3,838.30	1/2	3,663.23	1/2	3,475.20	1/2	3,262.58	1/2	2,905.58	1/2	2,548.99
3/4		3/4		3/4		3/4	4,003.52	3/4	3,834.81	3/4	3,659.43	3/4	3,471.21	3/4	3,255.13	3/4	2,898.16	3/4	2,541.56
10		10		10		10	3,999.95	10	3,831.32	10	3,655.62	10	3,467.21	10	3,247.68	10	2,890.73	10	2,534.13
1/4		1/4		1/4		1/4	3,996.04	1/4	3,827.81	1/4	3,651.80	1/4	3,463.21	1/4	3,240.23	1/4	2,883.30	1/4	2,526.70
1/2		1/2		1/2		1/2	3,992.13	1/2	3,824.31	1/2	3,647.97	1/2	3,459.21	1/2	3,232.78	1/2	2,875.87	1/2	2,519.27
3/4		3/4		3/4		3/4	3,988.21	3/4	3,820.80	3/4	3,644.15	3/4	3,455.21	3/4	3,225.33	3/4	2,868.44	3/4	2,511.84
11		11		11		11	3,984.30	11	3,817.29	11	3,640.32	11	3,451.22	11	3,217.87	11	2,861.01	11	2,504.41
1/4		1/4		1/4		1/4	3,980.39	1/4	3,813.76	1/4	3,636.48	1/4	3,447.22	1/4	3,210.42	1/4	2,853.58	1/4	2,496.98
1/2		1/2		1/2		1/2	3,976.47	1/2	3,810.23	1/2	3,632.63	1/2	3,443.22	1/2	3,202.97	1/2	2,846.15	1/2	2,489.56
3/4		3/4		3/4		3/4	3,972.56	3/4	3,806.70	3/4	3,628.79	3/4	3,439.22	3/4	3,195.52	3/4	2,838.72	3/4	2,482.13

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 55'-09" 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 27770"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-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	2,474.70	0	2,118.10	0	1,761.50	0	1,405.36	0	1,054.86	0	709.21	0	363.69	0	52.75	0		0	
1/4	2,467.27	1/4	2,110.67	1/4	1,754.07	1/4	1,398.12	1/4	1,047.67	1/4	701.98	1/4	356.28	1/4	51.40	1/4		1/4	
1/2	2,459.84	1/2	2,103.24	1/2	1,746.64	1/2	1,390.87	1/2	1,040.48	1/2	694.76	1/2	348.88	1/2	50.05	1/2		1/2	
3/4	2,452.41	3/4	2,095.81	3/4	1,739.21	3/4	1,383.63	3/4	1,033.28	3/4	687.54	3/4	341.48	3/4	48.70	3/4		3/4	
1	2,444.98	1	2,088.38	1	1,731.78	1	1,376.38	1	1,026.09	1	680.31	1	334.07	1	47.34	1		1	
1/4	2,437.55	1/4	2,080.95	1/4	1,724.35	1/4	1,369.12	1/4	1,018.90	1/4	673.09	1/4	326.67	1/4	46.83	1/4		1/4	
1/2	2,430.12	1/2	2,073.53	1/2	1,716.92	1/2	1,361.85	1/2	1,011.71	1/2	665.87	1/2	319.26	1/2	46.32	1/2		1/2	
3/4	2,422.69	3/4	2,066.10	3/4	1,709.49	3/4	1,354.58	3/4	1,004.52	3/4	658.64	3/4	311.86	3/4		3/4		3/4	
2	2,415.26	2	2,058.67	2	1,702.06	2	1,347.31	2	997.32	2	651.42	2	304.45	2		2		2	
1/4	2,407.84	1/4	2,051.24	1/4	1,694.63	1/4	1,340.04	1/4	990.13	1/4	644.20	1/4	297.04	1/4		1/4		1/4	
1/2	2,400.41	1/2	2,043.81	1/2	1,687.20	1/2	1,332.78	1/2	982.94	1/2	636.97	1/2	289.62	1/2		1/2		1/2	
3/4	2,392.98	3/4	2,036.38	3/4	1,679.78	3/4	1,325.51	3/4	975.75	3/4	629.75	3/4	282.20	3/4		3/4		3/4	
3	2,385.55	3	2,028.95	3	1,672.35	3	1,318.24	3	968.55	3	622.53	3	274.78	3		3		3	
1/4	2,378.12	1/4	2,021.52	1/4	1,664.92	1/4	1,310.97	1/4	961.36	1/4	615.30	1/4	267.35	1/4		1/4		1/4	
1/2	2,370.69	1/2	2,014.09	1/2	1,657.49	1/2	1,303.70	1/2	954.17	1/2	608.08	1/2	259.91	1/2		1/2		1/2	
3/4	2,363.26	3/4	2,006.66	3/4	1,650.06	3/4	1,296.44	3/4	946.98	3/4	600.86	3/4	252.48	3/4		3/4		3/4	
4	2,355.83	4	1,999.23	4	1,642.63	4	1,289.17	4	939.79	4	593.63	4	245.05	4		4		4	
1/4	2,348.40	1/4	1,991.81	1/4	1,635.20	1/4	1,281.90	1/4	932.59	1/4	586.41	1/4	237.62	1/4		1/4		1/4	
1/2	2,340.97	1/2	1,984.38	1/2	1,627.77	1/2	1,274.63	1/2	925.40	1/2	579.19	1/2	230.18	1/2		1/2		1/2	
3/4	2,333.54	3/4	1,976.95	3/4	1,620.34	3/4	1,267.36	3/4	918.21	3/4	571.96	3/4	222.75	3/4		3/4		3/4	
5	2,326.12	5	1,969.52	5	1,612.91	5	1,260.09	5	911.02	5	564.74	5	215.32	5		5		5	
1/4	2,318.69	1/4	1,962.09	1/4	1,605.48	1/4	1,252.84	1/4	903.82	1/4	557.30	1/4	207.88	1/4		1/4		1/4	
1/2	2,311.26	1/2	1,954.66	1/2	1,598.05	1/2	1,245.59	1/2	896.63	1/2	549.87	1/2	200.45	1/2		1/2		1/2	
3/4	2,303.83	3/4	1,947.23	3/4	1,590.62	3/4	1,238.34	3/4	889.43	3/4	542.44	3/4	193.02	3/4		3/4		3/4	
6	2,296.40	6	1,939.80	6	1,583.19	6	1,231.08	6	882.24	6	535.00	6	185.58	6		6		6	
1/4	2,288.97	1/4	1,932.37	1/4	1,575.76	1/4	1,223.67	1/4	875.04	1/4	527.57	1/4	178.15	1/4		1/4		1/4	
1/2	2,281.54	1/2	1,924.94	1/2	1,568.33	1/2	1,216.26	1/2	867.85	1/2	520.13	1/2	170.72	1/2		1/2		1/2	
3/4	2,274.11	3/4	1,917.51	3/4	1,560.90	3/4	1,208.84	3/4	860.66	3/4	512.70	3/4	163.29	3/4		3/4		3/4	
7	2,266.68	7	1,910.09	7	1,553.48	7	1,201.43	7	853.46	7	505.26	7	155.85	7		7		7	
1/4	2,259.25	1/4	1,902.66	1/4	1,546.07	1/4	1,194.01	1/4	846.27	1/4	497.83	1/4	148.43	1/4		1/4		1/4	
1/2	2,251.82	1/2	1,895.23	1/2	1,538.66	1/2	1,186.60	1/2	839.07	1/2	490.40	1/2	141.02	1/2		1/2		1/2	
3/4	2,244.39	3/4	1,887.80	3/4	1,531.26	3/4	1,179.19	3/4	831.88	3/4	482.96	3/4	133.60	3/4		3/4		3/4	
8	2,236.97	8	1,880.37	8	1,523.85	8	1,171.77	8	824.68	8	475.53	8	126.18	8		8		8	
1/4	2,229.54	1/4	1,872.94	1/4	1,516.45	1/4	1,164.36	1/4	817.48	1/4	468.53	1/4	119.40	1/4		1/4		1/4	
1/2	2,222.11	1/2	1,865.51	1/2	1,509.04	1/2	1,156.94	1/2	810.29	1/2	461.54	1/2	112.61	1/2		1/2		1/2	
3/4	2,214.68	3/4	1,858.08	3/4	1,501.63	3/4	1,149.53	3/4	803.09	3/4	454.55	3/4	105.83	3/4		3/4		3/4	
9	2,207.25	9	1,850.65	9	1,494.23	9	1,142.12	9	795.89	9	447.55	9	99.05	9		9		9	
1/4	2,199.82	1/4	1,843.22	1/4	1,486.82	1/4	1,134.70	1/4	788.66	1/4	441.00	1/4	93.51	1/4		1/4		1/4	
1/2	2,192.39	1/2	1,835.79	1/2	1,479.42	1/2	1,127.29	1/2	781.44	1/2	434.45	1/2	87.97	1/2		1/2		1/2	
3/4	2,184.96	3/4	1,828.36	3/4	1,472.01	3/4	1,119.87	3/4	774.22	3/4	427.89	3/4	82.44	3/4		3/4		3/4	
10	2,177.53	10	1,820.93	10	1,464.61	10	1,112.46	10	766.99	10	421.34	10	76.90	10		10		10	
1/4	2,170.10	1/4	1,813.50	1/4	1,457.20	1/4	1,105.26	1/4	759.77	1/4	414.35	1/4	73.04	1/4		1/4		1/4	
1/2	2,162.67	1/2	1,806.08	1/2	1,449.79	1/2	1,098.05	1/2	752.55	1/2	407.35	1/2	69.18	1/2		1/2		1/2	
3/4	2,155.25	3/4	1,798.65	3/4	1,442.39	3/4	1,090.85	3/4	745.32	3/4	400.36	3/4	65.32	3/4		3/4		3/4	
11	2,147.82	11	1,791.22	11	1,434.98	11	1,083.65	11	738.10	11	393.36	11	61.46	11		11		11	
1/4	2,140.39	1/4	1,783.79	1/4	1,427.58	1/4	1,076.45	1/4	730.88	1/4	386.34	1/4	59.28	1/4		1/4		1/4	
1/2	2,132.96	1/2	1,776.36	1/2	1,420.17	1/2	1,069.25	1/2	723.65	1/2	378.53	1/2	57.11	1/2		1/2		1/2	
3/4	2,125.53	3/4	1,768.93	3/4	1,412.77	3/4	1,062.06	3/4	716.43	3/4	371.11	3/4	54.93	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/25/2011 CL - SW  
CALCULATED: 07/25/2011 CL  
PRINTED: 07/25/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2011

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



# BARGE "KIRBY 27770"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-01 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	3,999.72	0	3,833.78	0	3,655.77	0	3,466.12	0	3,222.33	0	2,864.57
1/4		1/4		1/4		1/4		1/4	3,995.80	1/4	3,830.25	1/4	3,651.93	1/4	3,462.12	1/4	3,214.87	1/4	2,857.11
1/2		1/2		1/2		1/2		1/2	3,992.18	1/2	3,826.70	1/2	3,648.06	1/2	3,458.12	1/2	3,207.42	1/2	2,849.66
3/4		3/4		3/4		3/4		3/4	3,988.56	3/4	3,823.15	3/4	3,644.20	3/4	3,454.12	3/4	3,199.97	3/4	2,842.21
1		1		1		1		1	3,984.94	1	3,819.60	1	3,640.33	1	3,450.12	1	3,192.51	1	2,834.75
1/4		1/4		1/4		1/4		1/4	3,981.32	1/4	3,816.05	1/4	3,636.47	1/4	3,446.12	1/4	3,185.06	1/4	2,827.30
1/2		1/2		1/2		1/2		1/2	3,977.98	1/2	3,812.48	1/2	3,632.59	1/2	3,442.12	1/2	3,177.61	1/2	2,819.85
3/4		3/4		3/4		3/4		3/4	3,974.64	3/4	3,808.91	3/4	3,628.70	3/4	3,438.12	3/4	3,170.15	3/4	2,812.39
2		2		2		2		2	3,971.31	2	3,805.34	2	3,624.82	2	3,434.12	2	3,162.70	2	2,804.94
1/4		1/4		1/4		1/4		1/4	3,967.97	1/4	3,801.78	1/4	3,620.93	1/4	3,430.12	1/4	3,155.25	1/4	2,797.49
1/2		1/2		1/2		1/2		1/2	3,964.61	1/2	3,798.19	1/2	3,617.03	1/2	3,426.12	1/2	3,147.79	1/2	2,790.03
3/4		3/4		3/4		3/4		3/4	3,961.26	3/4	3,794.60	3/4	3,613.13	3/4	3,422.12	3/4	3,140.34	3/4	2,782.58
3		3		3		3		3	3,957.90	3	3,791.01	3	3,609.22	3	3,418.12	3	3,132.89	3	2,775.13
1/4		1/4		1/4		1/4		1/4	3,954.54	1/4	3,787.43	1/4	3,605.32	1/4	3,414.12	1/4	3,125.43	1/4	2,767.68
1/2		1/2		1/2		1/2		1/2	3,951.17	1/2	3,783.78	1/2	3,601.40	1/2	3,410.12	1/2	3,117.98	1/2	2,760.22
3/4		3/4		3/4		3/4		3/4	3,947.79	3/4	3,780.13	3/4	3,597.47	3/4	3,406.12	3/4	3,110.53	3/4	2,752.77
4		4		4		4		4	3,944.42	4	3,776.48	4	3,593.55	4	3,402.12	4	3,103.07	4	2,745.32
1/4		1/4		1/4		1/4		1/4	3,941.04	1/4	3,772.83	1/4	3,589.63	1/4	3,398.12	1/4	3,095.62	1/4	2,737.86
1/2		1/2		1/2		1/2		1/2	3,937.65	1/2	3,769.12	1/2	3,585.69	1/2	3,394.12	1/2	3,088.17	1/2	2,730.41
3/4		3/4		3/4		3/4		3/4	3,934.25	3/4	3,765.41	3/4	3,581.75	3/4	3,390.12	3/4	3,080.71	3/4	2,722.96
5		5		5		5		5	3,930.86	5	3,761.70	5	3,577.80	5	3,386.12	5	3,073.26	5	2,715.50
1/4		1/4		1/4		1/4		1/4	3,927.46	1/4	3,757.99	1/4	3,573.86	1/4	3,382.12	1/4	3,065.81	1/4	2,708.05
1/2		1/2		1/2		1/2		1/2	3,924.05	1/2	3,754.26	1/2	3,569.90	1/2	3,378.12	1/2	3,058.35	1/2	2,700.60
3/4		3/4		3/4		3/4		3/4	3,920.63	3/4	3,750.53	3/4	3,565.94	3/4	3,374.12	3/4	3,050.90	3/4	2,693.14
6		6		6		6		6	3,917.22	6	3,746.80	6	3,561.98	6	3,370.12	6	3,043.45	6	2,685.69
1/4		1/4		1/4		1/4		1/4	3,913.80	1/4	3,743.07	1/4	3,558.02	1/4	3,366.12	1/4	3,035.99	1/4	2,678.24
1/2		1/2		1/2		1/2		1/2	3,910.37	1/2	3,739.32	1/2	3,554.04	1/2	3,362.12	1/2	3,028.54	1/2	2,670.78
3/4		3/4		3/4		3/4		3/4	3,906.94	3/4	3,735.57	3/4	3,550.06	3/4	3,358.12	3/4	3,021.09	3/4	2,663.33
7		7		7		7		7	3,903.50	7	3,731.82	7	3,546.08	7	3,354.12	7	3,013.63	7	2,655.88
1/4		1/4		1/4		1/4		1/4	3,900.07	1/4	3,728.07	1/4	3,542.09	1/4	3,350.13	1/4	3,006.18	1/4	2,648.42
1/2		1/2		1/2		1/2		1/2	3,896.62	1/2	3,724.30	1/2	3,538.10	1/2	3,346.13	1/2	2,998.73	1/2	2,640.97
3/4		3/4		3/4		3/4		3/4	3,893.17	3/4	3,720.53	3/4	3,534.11	3/4	3,342.13	3/4	2,991.27	3/4	2,633.52
8		8		8		8		8	3,889.71	8	3,716.76	8	3,530.11	8	3,338.13	8	2,983.82	8	2,626.06
1/4		1/4		1/4		1/4	4,050.84	1/4	3,886.26	1/4	3,713.00	1/4	3,526.12	1/4	3,334.13	1/4	2,976.37	1/4	2,618.61
1/2		1/2		1/2		1/2	4,048.48	1/2	3,882.79	1/2	3,709.21	1/2	3,522.12	1/2	3,326.67	1/2	2,968.91	1/2	2,611.16
3/4		3/4		3/4		3/4	4,046.12	3/4	3,879.32	3/4	3,705.42	3/4	3,518.12	3/4	3,319.22	3/4	2,961.46	3/4	2,603.70
9		9		9		9	4,043.75	9	3,875.84	9	3,701.63	9	3,514.12	9	3,311.77	9	2,954.01	9	2,596.25
1/4		1/4		1/4		1/4	4,041.39	1/4	3,872.37	1/4	3,697.84	1/4	3,510.12	1/4	3,304.31	1/4	2,946.55	1/4	2,588.80
1/2		1/2		1/2		1/2	4,037.83	1/2	3,868.88	1/2	3,694.04	1/2	3,506.12	1/2	3,296.86	1/2	2,939.10	1/2	2,581.34
3/4		3/4		3/4		3/4	4,034.26	3/4	3,865.39	3/4	3,690.23	3/4	3,502.12	3/4	3,289.41	3/4	2,931.65	3/4	2,573.89
10		10		10		10	4,030.69	10	3,861.90	10	3,686.42	10	3,498.12	10	3,281.95	10	2,924.19	10	2,566.44
1/4		1/4		1/4		1/4	4,027.12	1/4	3,858.41	1/4	3,682.62	1/4	3,494.12	1/4	3,274.50	1/4	2,916.74	1/4	2,558.98
1/2		1/2		1/2		1/2	4,023.21	1/2	3,854.90	1/2	3,678.79	1/2	3,490.12	1/2	3,267.05	1/2	2,909.29	1/2	2,551.53
3/4		3/4		3/4		3/4	4,019.29	3/4	3,851.39	3/4	3,674.96	3/4	3,486.12	3/4	3,259.59	3/4	2,901.83	3/4	2,544.08
11		11		11		11	4,015.38	11	3,847.88	11	3,671.14	11	3,482.12	11	3,252.14	11	2,894.38	11	2,536.62
1/4		1/4		1/4		1/4	4,011.46	1/4	3,844.37	1/4	3,667.31	1/4	3,478.12	1/4	3,244.69	1/4	2,886.93	1/4	2,529.17
1/2		1/2		1/2		1/2	4,007.55	1/2	3,840.84	1/2	3,663.47	1/2	3,474.12	1/2	3,237.23	1/2	2,879.47	1/2	2,521.72
3/4		3/4		3/4		3/4	4,003.63	3/4	3,837.31	3/4	3,659.62	3/4	3,470.12	3/4	3,229.78	3/4	2,872.02	3/4	2,514.26

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 55'-09" 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 27770"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-01 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	2,506.81	0	2,149.05	0	1,791.29	0	1,433.52	0	1,079.70	0	722.96	0	372.26	0	55.12	0		0	
1/4	2,499.36	1/4	2,141.60	1/4	1,783.84	1/4	1,426.07	1/4	1,072.27	1/4	715.51	1/4	364.82	1/4	52.92	1/4		1/4	
1/2	2,491.90	1/2	2,134.14	1/2	1,776.38	1/2	1,418.78	1/2	1,064.84	1/2	708.06	1/2	357.40	1/2	51.55	1/2		1/2	
3/4	2,484.45	3/4	2,126.69	3/4	1,768.93	3/4	1,411.49	3/4	1,057.42	3/4	700.60	3/4	349.97	3/4	50.18	3/4		3/4	
1	2,477.00	1	2,119.24	1	1,761.48	1	1,404.19	1	1,049.99	1	693.15	1	342.55	1	48.81	1		1	
1/4	2,469.54	1/4	2,111.78	1/4	1,754.02	1/4	1,396.90	1/4	1,042.57	1/4	685.69	1/4	335.12	1/4	47.43	1/4		1/4	
1/2	2,462.09	1/2	2,104.33	1/2	1,746.57	1/2	1,389.61	1/2	1,035.14	1/2	678.24	1/2	327.70	1/2	46.90	1/2		1/2	
3/4	2,454.64	3/4	2,096.88	3/4	1,739.12	3/4	1,382.32	3/4	1,027.72	3/4	670.79	3/4	320.28	3/4	46.38	3/4		3/4	
2	2,447.18	2	2,089.42	2	1,731.66	2	1,375.03	2	1,020.29	2	663.33	2	312.85	2		2		2	
1/4	2,439.73	1/4	2,081.97	1/4	1,724.21	1/4	1,367.74	1/4	1,012.87	1/4	655.88	1/4	305.43	1/4		1/4		1/4	
1/2	2,432.28	1/2	2,074.52	1/2	1,716.75	1/2	1,360.45	1/2	1,005.44	1/2	648.43	1/2	297.99	1/2		1/2		1/2	
3/4	2,424.82	3/4	2,067.06	3/4	1,709.30	3/4	1,353.15	3/4	998.02	3/4	640.97	3/4	290.55	3/4		3/4		3/4	
3	2,417.37	3	2,059.61	3	1,701.85	3	1,345.86	3	990.60	3	633.52	3	283.11	3		3		3	
1/4	2,409.92	1/4	2,052.16	1/4	1,694.39	1/4	1,338.57	1/4	983.17	1/4	626.06	1/4	275.67	1/4		1/4		1/4	
1/2	2,402.46	1/2	2,044.70	1/2	1,686.94	1/2	1,331.28	1/2	975.75	1/2	618.61	1/2	268.22	1/2		1/2		1/2	
3/4	2,395.01	3/4	2,037.25	3/4	1,679.49	3/4	1,323.99	3/4	968.32	3/4	611.16	3/4	260.77	3/4		3/4		3/4	
4	2,387.56	4	2,029.80	4	1,672.03	4	1,316.70	4	960.90	4	603.70	4	253.31	4		4		4	
1/4	2,380.10	1/4	2,022.35	1/4	1,664.58	1/4	1,309.41	1/4	953.47	1/4	596.25	1/4	245.86	1/4		1/4		1/4	
1/2	2,372.65	1/2	2,014.89	1/2	1,657.13	1/2	1,302.11	1/2	946.05	1/2	588.79	1/2	238.41	1/2		1/2		1/2	
3/4	2,365.20	3/4	2,007.44	3/4	1,649.67	3/4	1,294.82	3/4	938.62	3/4	581.34	3/4	230.95	3/4		3/4		3/4	
5	2,357.74	5	1,999.99	5	1,642.22	5	1,287.53	5	931.20	5	573.89	5	223.50	5		5		5	
1/4	2,350.29	1/4	1,992.53	1/4	1,634.77	1/4	1,280.24	1/4	923.77	1/4	566.43	1/4	216.05	1/4		1/4		1/4	
1/2	2,342.84	1/2	1,985.08	1/2	1,627.31	1/2	1,272.94	1/2	916.35	1/2	558.98	1/2	208.60	1/2		1/2		1/2	
3/4	2,335.38	3/4	1,977.63	3/4	1,619.86	3/4	1,265.65	3/4	908.92	3/4	551.52	3/4	201.14	3/4		3/4		3/4	
6	2,327.93	6	1,970.17	6	1,612.41	6	1,258.36	6	901.50	6	544.07	6	193.69	6		6		6	
1/4	2,320.48	1/4	1,962.72	1/4	1,604.95	1/4	1,251.07	1/4	894.07	1/4	536.62	1/4	186.24	1/4		1/4		1/4	
1/2	2,313.02	1/2	1,955.27	1/2	1,597.50	1/2	1,243.61	1/2	886.65	1/2	529.16	1/2	178.78	1/2		1/2		1/2	
3/4	2,305.57	3/4	1,947.81	3/4	1,590.05	3/4	1,236.16	3/4	879.22	3/4	521.71	3/4	171.33	3/4		3/4		3/4	
7	2,298.12	7	1,940.36	7	1,582.59	7	1,228.71	7	871.80	7	514.25	7	163.88	7		7		7	
1/4	2,290.66	1/4	1,932.91	1/4	1,575.14	1/4	1,221.25	1/4	864.37	1/4	506.80	1/4	156.42	1/4		1/4		1/4	
1/2	2,283.21	1/2	1,925.45	1/2	1,567.68	1/2	1,213.80	1/2	856.95	1/2	499.34	1/2	148.99	1/2		1/2		1/2	
3/4	2,275.76	3/4	1,918.00	3/4	1,560.23	3/4	1,206.34	3/4	849.52	3/4	491.89	3/4	141.55	3/4		3/4		3/4	
8	2,268.30	8	1,910.55	8	1,552.78	8	1,198.89	8	842.10	8	484.44	8	134.11	8		8		8	
1/4	2,260.85	1/4	1,903.09	1/4	1,545.32	1/4	1,191.44	1/4	834.67	1/4	476.98	1/4	126.67	1/4		1/4		1/4	
1/2	2,253.40	1/2	1,895.64	1/2	1,537.87	1/2	1,183.98	1/2	827.24	1/2	469.57	1/2	119.87	1/2		1/2		1/2	
3/4	2,245.94	3/4	1,888.19	3/4	1,530.42	3/4	1,176.53	3/4	819.81	3/4	462.95	3/4	113.06	3/4		3/4		3/4	
9	2,238.49	9	1,880.73	9	1,522.96	9	1,169.07	9	812.38	9	455.94	9	106.26	9		9		9	
1/4	2,231.04	1/4	1,873.28	1/4	1,515.51	1/4	1,161.62	1/4	804.96	1/4	448.93	1/4	99.46	1/4		1/4		1/4	
1/2	2,223.58	1/2	1,865.82	1/2	1,508.06	1/2	1,154.16	1/2	797.50	1/2	442.35	1/2	93.90	1/2		1/2		1/2	
3/4	2,216.13	3/4	1,858.37	3/4	1,500.60	3/4	1,146.71	3/4	790.05	3/4	435.78	3/4	88.35	3/4		3/4		3/4	
10	2,208.68	10	1,850.92	10	1,493.15	10	1,139.26	10	782.59	10	429.21	10	82.79	10		10		10	
1/4	2,201.22	1/4	1,843.46	1/4	1,485.70	1/4	1,131.80	1/4	775.14	1/4	422.63	1/4	77.23	1/4		1/4		1/4	
1/2	2,193.77	1/2	1,836.01	1/2	1,478.24	1/2	1,124.35	1/2	767.69	1/2	415.62	1/2	73.35	1/2		1/2		1/2	
3/4	2,186.32	3/4	1,828.56	3/4	1,470.79	3/4	1,116.89	3/4	760.23	3/4	408.60	3/4	69.47	3/4		3/4		3/4	
11	2,178.86	11	1,821.10	11	1,463.34	11	1,109.44	11	752.78	11	401.59	11	65.59	11		11		11	
1/4	2,171.41	1/4	1,813.65	1/4	1,455.88	1/4	1,101.99	1/4	745.32	1/4	394.58	1/4	61.71	1/4		1/4		1/4	
1/2	2,163.96	1/2	1,806.20	1/2	1,448.43	1/2	1,094.56	1/2	737.87	1/2	387.14	1/2	59.52	1/2		1/2		1/2	
3/4	2,156.50	3/4	1,798.74	3/4	1,440.98	3/4	1,087.13	3/4	730.42	3/4	379.70	3/4	57.32	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/25/2011 CL - SW  
CALCULATED: 07/25/2011 CL  
PRINTED: 07/25/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2011

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



# BARGE "KIRBY 27770"

## INNAGE TRIM TABLE 2" STANDPIPE

	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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
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	- 00-1/2	00-1/2	- 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	- 00-1/2	00-1/2	- 00-1/2	00-1/2
3 PORT	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-1/4	01-1/4	- 01-1/2	01-1/2	- 01-7/8	01-7/8	- 02-3/8	02-3/8
3 STBD	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-1/4	01-1/4	- 01-1/2	01-1/2	- 01-7/8	01-7/8	- 02-3/8	02-3/8

(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 2 PORT IS 00-1/4"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 261'-00"

January 25, 2022

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 27770"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 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	8.54	0	310.09	0	672.72	0	1,049.23	0	1,425.77	0	1,803.54	0	2,181.53	0	2,559.50	0	2,937.48	0	3,315.45
1/4	11.91	1/4	317.33	1/4	680.59	1/4	1,057.05	1/4	1,433.62	1/4	1,811.42	1/4	2,189.40	1/4	2,567.38	1/4	2,945.35	1/4	3,323.33
1/2	15.29	1/2	324.57	1/2	688.47	1/2	1,064.87	1/2	1,441.47	1/2	1,819.29	1/2	2,197.28	1/2	2,575.25	1/2	2,953.23	1/2	3,331.20
3/4	20.69	3/4	331.91	3/4	696.34	3/4	1,072.68	3/4	1,449.32	3/4	1,827.17	3/4	2,205.15	3/4	2,583.13	3/4	2,961.10	3/4	3,339.08
1	26.08	1	339.24	1	704.22	1	1,080.50	1	1,457.16	1	1,835.04	1	2,213.02	1	2,591.00	1	2,968.98	1	3,346.95
1/4	31.48	1/4	346.57	1/4	712.09	1/4	1,088.32	1/4	1,465.01	1/4	1,842.92	1/4	2,220.90	1/4	2,598.87	1/4	2,976.85	1/4	3,354.83
1/2	36.88	1/2	353.90	1/2	719.97	1/2	1,096.14	1/2	1,472.86	1/2	1,850.79	1/2	2,228.77	1/2	2,606.75	1/2	2,984.73	1/2	3,362.70
3/4	42.78	3/4	361.33	3/4	727.84	3/4	1,103.95	3/4	1,480.72	3/4	1,858.67	3/4	2,236.65	3/4	2,614.62	3/4	2,992.60	3/4	3,370.58
2	48.68	2	368.76	2	735.72	2	1,111.77	2	1,488.58	2	1,866.54	2	2,244.52	2	2,622.50	2	3,000.47	2	3,378.45
1/4	54.58	1/4	376.19	1/4	743.59	1/4	1,119.59	1/4	1,496.44	1/4	1,874.42	1/4	2,252.40	1/4	2,630.37	1/4	3,008.35	1/4	3,386.32
1/2	60.48	1/2	383.62	1/2	751.47	1/2	1,127.40	1/2	1,504.30	1/2	1,882.29	1/2	2,260.27	1/2	2,638.25	1/2	3,016.22	1/2	3,394.20
3/4	66.05	3/4	391.16	3/4	759.34	3/4	1,135.22	3/4	1,512.18	3/4	1,890.17	3/4	2,268.15	3/4	2,646.12	3/4	3,024.10	3/4	3,402.07
3	71.63	3	398.70	3	767.22	3	1,143.04	3	1,520.05	3	1,898.04	3	2,276.02	3	2,654.00	3	3,031.97	3	3,409.95
1/4	77.20	1/4	406.24	1/4	775.10	1/4	1,150.86	1/4	1,527.93	1/4	1,905.92	1/4	2,283.89	1/4	2,661.87	1/4	3,039.85	1/4	3,417.82
1/2	82.77	1/2	413.79	1/2	782.97	1/2	1,158.68	1/2	1,535.80	1/2	1,913.79	1/2	2,291.77	1/2	2,669.75	1/2	3,047.72	1/2	3,425.70
3/4	88.46	3/4	421.21	3/4	790.85	3/4	1,166.51	3/4	1,543.67	3/4	1,921.67	3/4	2,299.64	3/4	2,677.62	3/4	3,055.60	3/4	3,433.57
4	94.15	4	428.64	4	798.72	4	1,174.35	4	1,551.55	4	1,929.54	4	2,307.52	4	2,685.49	4	3,063.47	4	3,441.45
1/4	99.84	1/4	436.07	1/4	806.60	1/4	1,182.18	1/4	1,559.42	1/4	1,937.41	1/4	2,315.39	1/4	2,693.37	1/4	3,071.34	1/4	3,449.32
1/2	105.53	1/2	443.49	1/2	814.47	1/2	1,190.01	1/2	1,567.30	1/2	1,945.29	1/2	2,323.27	1/2	2,701.24	1/2	3,079.22	1/2	3,457.20
3/4	111.79	3/4	450.57	3/4	822.33	3/4	1,197.87	3/4	1,575.17	3/4	1,953.16	3/4	2,331.14	3/4	2,709.12	3/4	3,087.09	3/4	3,465.07
5	118.05	5	457.64	5	830.19	5	1,205.73	5	1,583.05	5	1,961.04	5	2,339.02	5	2,716.99	5	3,094.97	5	3,472.94
1/4	124.31	1/4	464.71	1/4	838.05	1/4	1,213.60	1/4	1,590.92	1/4	1,968.91	1/4	2,346.89	1/4	2,724.87	1/4	3,102.84	1/4	3,480.82
1/2	130.57	1/2	471.79	1/2	845.91	1/2	1,221.46	1/2	1,598.80	1/2	1,976.79	1/2	2,354.77	1/2	2,732.74	1/2	3,110.72	1/2	3,488.69
3/4	137.16	3/4	478.94	3/4	853.75	3/4	1,229.33	3/4	1,606.67	3/4	1,984.66	3/4	2,362.64	3/4	2,740.62	3/4	3,118.59	3/4	3,496.57
6	143.76	6	486.09	6	861.58	6	1,237.21	6	1,614.55	6	1,992.54	6	2,370.51	6	2,748.49	6	3,126.47	6	3,504.44
1/4	150.35	1/4	493.24	1/4	869.41	1/4	1,245.08	1/4	1,622.42	1/4	2,000.41	1/4	2,378.39	1/4	2,756.36	1/4	3,134.34	1/4	3,512.32
1/2	156.95	1/2	500.39	1/2	877.25	1/2	1,252.96	1/2	1,630.30	1/2	2,008.29	1/2	2,386.26	1/2	2,764.24	1/2	3,142.22	1/2	3,520.19
3/4	163.65	3/4	508.03	3/4	885.07	3/4	1,260.83	3/4	1,638.17	3/4	2,016.16	3/4	2,394.14	3/4	2,772.11	3/4	3,150.09	3/4	3,528.07
7	170.36	7	515.68	7	892.88	7	1,268.71	7	1,646.05	7	2,024.04	7	2,402.01	7	2,779.99	7	3,157.96	7	3,535.94
1/4	177.07	1/4	523.32	1/4	900.70	1/4	1,276.58	1/4	1,653.92	1/4	2,031.91	1/4	2,409.89	1/4	2,787.86	1/4	3,165.84	1/4	3,543.81
1/2	183.78	1/2	530.96	1/2	908.52	1/2	1,284.46	1/2	1,661.80	1/2	2,039.79	1/2	2,417.76	1/2	2,795.74	1/2	3,173.71	1/2	3,551.69
3/4	190.61	3/4	538.84	3/4	916.34	3/4	1,292.32	3/4	1,669.67	3/4	2,047.66	3/4	2,425.64	3/4	2,803.61	3/4	3,181.59	3/4	3,559.56
8	197.43	8	546.71	8	924.16	8	1,300.18	8	1,677.55	8	2,055.53	8	2,433.51	8	2,811.49	8	3,189.46	8	3,567.44
1/4	204.26	1/4	554.59	1/4	931.97	1/4	1,308.04	1/4	1,685.42	1/4	2,063.41	1/4	2,441.38	1/4	2,819.36	1/4	3,197.34	1/4	3,575.31
1/2	211.09	1/2	562.46	1/2	939.79	1/2	1,315.91	1/2	1,693.30	1/2	2,071.28	1/2	2,449.26	1/2	2,827.24	1/2	3,205.21	1/2	3,583.19
3/4	218.03	3/4	570.34	3/4	947.61	3/4	1,323.75	3/4	1,701.17	3/4	2,079.16	3/4	2,457.13	3/4	2,835.11	3/4	3,213.09	3/4	3,591.06
9	224.97	9	578.22	9	955.43	9	1,331.60	9	1,709.05	9	2,087.03	9	2,465.01	9	2,842.98	9	3,220.96	9	3,598.94
1/4	231.90	1/4	586.09	1/4	963.24	1/4	1,339.45	1/4	1,716.92	1/4	2,094.91	1/4	2,472.88	1/4	2,850.86	1/4	3,228.83	1/4	3,606.81
1/2	238.84	1/2	593.97	1/2	971.06	1/2	1,347.30	1/2	1,724.80	1/2	2,102.78	1/2	2,480.76	1/2	2,858.73	1/2	3,236.71	1/2	3,614.69
3/4	245.89	3/4	601.84	3/4	978.88	3/4	1,355.15	3/4	1,732.67	3/4	2,110.66	3/4	2,488.63	3/4	2,866.61	3/4	3,244.58	3/4	3,622.56
10	252.93	10	609.72	10	986.70	10	1,362.99	10	1,740.54	10	2,118.53	10	2,496.51	10	2,874.48	10	3,252.46	10	3,630.43
1/4	259.97	1/4	617.59	1/4	994.51	1/4	1,370.84	1/4	1,748.42	1/4	2,126.40	1/4	2,504.38	1/4	2,882.36	1/4	3,260.33	1/4	3,638.31
1/2	267.01	1/2	625.47	1/2	1,002.33	1/2	1,378.69	1/2	1,756.29	1/2	2,134.28	1/2	2,512.26	1/2	2,890.23	1/2	3,268.21	1/2	3,646.18
3/4	274.16	3/4	633.34	3/4	1,010.15	3/4	1,386.54	3/4	1,764.17	3/4	2,142.15	3/4	2,520.13	3/4	2,898.11	3/4	3,276.08	3/4	3,654.06
11	281.31	11	641.22	11	1,017.96	11	1,394.38	11	1,772.04	11	2,150.03	11	2,528.00	11	2,905.98	11	3,283.96	11	3,661.93
1/4	288.45	1/4	649.09	1/4	1,025.78	1/4	1,402.23	1/4	1,779.92	1/4	2,157.90	1/4	2,535.88	1/4	2,913.85	1/4	3,291.83	1/4	3,669.81
1/2	295.60	1/2	656.97	1/2	1,033.60	1/2	1,410.08	1/2	1,787.79	1/2	2,165.78	1/2	2,543.75	1/2	2,921.73	1/2	3,299.71	1/2	3,677.68
3/4	302.84	3/4	664.84	3/4	1,041.42	3/4	1,417.93	3/4	1,795.67	3/4	2,173.65	3/4	2,551.63	3/4	2,929.60	3/4	3,307.58	3/4	3,685.56

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 AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.  
 GAUGE POINT: (MANUAL) LOCATED 12'-09" OFF CENTERLINE AND 45'-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 27770"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,693.43	0	4,069.82	0	4,428.45	0	4,761.40	0		0		0		0		0		0	
1/4	3,701.30	1/4	4,077.53	1/4	4,435.64	1/4	4,768.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,709.18	1/2	4,085.23	1/2	4,442.82	1/2	4,774.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,717.05	3/4	4,092.90	3/4	4,449.95	3/4	4,781.49	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,724.93	1	4,100.56	1	4,457.07	1	4,788.15	1		1		1		1		1		1	
1/4	3,732.80	1/4	4,108.23	1/4	4,464.20	1/4	4,794.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,740.68	1/2	4,115.89	1/2	4,471.32	1/2	4,801.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,748.55	3/4	4,123.52	3/4	4,478.41	3/4	4,808.43	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,756.43	2	4,131.15	2	4,485.50	2	4,815.36	2		2		2		2		2		2	
1/4	3,764.30	1/4	4,138.78	1/4	4,492.59	1/4	4,822.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,772.18	1/2	4,146.41	1/2	4,499.67	1/2	4,829.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,780.05	3/4	4,153.99	3/4	4,506.72	3/4	4,836.72	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,787.92	3	4,161.58	3	4,513.77	3	4,844.22	3		3		3		3		3		3	
1/4	3,795.80	1/4	4,169.17	1/4	4,520.82	1/4	4,851.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,803.67	1/2	4,176.76	1/2	4,527.87	1/2	4,859.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,811.55	3/4	4,184.32	3/4	4,534.88	3/4	4,867.01	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,819.42	4	4,191.87	4	4,541.89	4	4,874.80	4		4		4		4		4		4	
1/4	3,827.30	1/4	4,199.42	1/4	4,548.90	1/4	4,882.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,835.17	1/2	4,206.97	1/2	4,555.92	1/2	4,890.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,843.05	3/4	4,214.48	3/4	4,562.89	3/4	4,897.98	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,850.92	5	4,222.00	5	4,569.86	5	4,905.59	5		5		5		5		5		5	
1/4	3,858.79	1/4	4,229.51	1/4	4,576.84	1/4	4,913.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,866.67	1/2	4,237.03	1/2	4,583.81	1/2	4,920.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,874.54	3/4	4,244.50	3/4	4,590.75	3/4	4,927.58	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,882.42	6	4,251.98	6	4,597.68	6	4,934.37	6		6		6		6		6		6	
1/4	3,890.29	1/4	4,259.45	1/4	4,604.62	1/4	4,941.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,898.17	1/2	4,266.93	1/2	4,611.55	1/2	4,947.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,906.04	3/4	4,274.37	3/4	4,618.45	3/4	4,953.43	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,913.91	7	4,281.81	7	4,625.35	7	4,958.92	7		7		7		7		7		7	
1/4	3,921.79	1/4	4,289.24	1/4	4,632.25	1/4	4,964.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,929.66	1/2	4,296.68	1/2	4,639.14	1/2	4,969.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,937.51	3/4	4,304.08	3/4	4,646.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,945.36	8	4,311.48	8	4,652.86	8		8		8		8		8		8		8	
1/4	3,953.21	1/4	4,318.88	1/4	4,659.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,961.06	1/2	4,326.28	1/2	4,666.58	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,968.88	3/4	4,333.64	3/4	4,673.40	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,976.70	9	4,341.00	9	4,680.22	9		9		9		9		9		9		9	
1/4	3,984.51	1/4	4,348.37	1/4	4,687.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,992.33	1/2	4,355.73	1/2	4,693.87	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,000.11	3/4	4,363.05	3/4	4,700.65	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	4,007.89	10	4,370.38	10	4,707.43	10		10		10		10		10		10		10	
1/4	4,015.67	1/4	4,377.70	1/4	4,714.22	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,023.45	1/2	4,385.02	1/2	4,721.00	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,031.19	3/4	4,392.29	3/4	4,727.75	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,038.93	11	4,399.55	11	4,734.49	11		11		11		11		11		11		11	
1/4	4,046.68	1/4	4,406.82	1/4	4,741.24	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,054.42	1/2	4,414.08	1/2	4,747.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,062.12	3/4	4,421.27	3/4	4,754.69	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/25/2011 CL - SW  
 RECALCULATED: 01/25/2022 PMA  
 REPRINTED: 10/25/2022 PMA

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 01/2022

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
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# BARGE "KIRBY 27770"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 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	8.55	0	310.20	0	672.92	0	1,050.33	0	1,427.54	0	1,805.40	0	2,183.47	0	2,561.54	0	2,939.60	0	3,317.67
1/4	11.92	1/4	317.44	1/4	680.79	1/4	1,058.18	1/4	1,435.39	1/4	1,813.27	1/4	2,191.34	1/4	2,569.41	1/4	2,947.48	1/4	3,325.55
1/2	15.30	1/2	324.69	1/2	688.67	1/2	1,066.03	1/2	1,443.24	1/2	1,821.15	1/2	2,199.22	1/2	2,577.29	1/2	2,955.36	1/2	3,333.42
3/4	20.70	3/4	332.02	3/4	696.55	3/4	1,073.87	3/4	1,451.09	3/4	1,829.03	3/4	2,207.10	3/4	2,585.16	3/4	2,963.23	3/4	3,341.30
1	26.10	1	339.36	1	704.43	1	1,081.72	1	1,458.94	1	1,836.90	1	2,214.97	1	2,593.04	1	2,971.11	1	3,349.18
1/4	31.50	1/4	346.69	1/4	712.30	1/4	1,089.57	1/4	1,466.79	1/4	1,844.78	1/4	2,222.85	1/4	2,600.92	1/4	2,978.98	1/4	3,357.05
1/2	36.90	1/2	354.02	1/2	720.18	1/2	1,097.42	1/2	1,474.64	1/2	1,852.66	1/2	2,230.73	1/2	2,608.79	1/2	2,986.86	1/2	3,364.93
3/4	42.80	3/4	361.46	3/4	728.06	3/4	1,105.27	3/4	1,482.50	3/4	1,860.53	3/4	2,238.60	3/4	2,616.67	3/4	2,994.74	3/4	3,372.80
2	48.70	2	368.89	2	735.93	2	1,113.11	2	1,490.36	2	1,868.41	2	2,246.48	2	2,624.55	2	3,002.61	2	3,380.68
1/4	54.61	1/4	376.32	1/4	743.81	1/4	1,120.96	1/4	1,498.22	1/4	1,876.29	1/4	2,254.36	1/4	2,632.42	1/4	3,010.49	1/4	3,388.56
1/2	60.51	1/2	383.75	1/2	751.69	1/2	1,128.81	1/2	1,506.09	1/2	1,884.16	1/2	2,262.23	1/2	2,640.30	1/2	3,018.37	1/2	3,396.43
3/4	66.09	3/4	391.29	3/4	759.56	3/4	1,136.66	3/4	1,513.96	3/4	1,892.04	3/4	2,270.11	3/4	2,648.18	3/4	3,026.24	3/4	3,404.31
3	71.66	3	398.84	3	767.44	3	1,144.51	3	1,521.84	3	1,899.92	3	2,277.99	3	2,656.05	3	3,034.12	3	3,412.19
1/4	77.24	1/4	406.38	1/4	775.32	1/4	1,152.36	1/4	1,529.72	1/4	1,907.79	1/4	2,285.86	1/4	2,663.93	1/4	3,042.00	1/4	3,420.06
1/2	82.81	1/2	413.92	1/2	783.19	1/2	1,160.21	1/2	1,537.59	1/2	1,915.67	1/2	2,293.74	1/2	2,671.81	1/2	3,049.87	1/2	3,427.94
3/4	88.50	3/4	421.35	3/4	791.07	3/4	1,168.08	3/4	1,545.47	3/4	1,923.55	3/4	2,301.61	3/4	2,679.68	3/4	3,057.75	3/4	3,435.82
4	94.20	4	428.78	4	798.95	4	1,175.94	4	1,553.35	4	1,931.42	4	2,309.49	4	2,687.56	4	3,065.63	4	3,443.69
1/4	99.89	1/4	436.21	1/4	806.82	1/4	1,183.80	1/4	1,561.22	1/4	1,939.30	1/4	2,317.37	1/4	2,695.43	1/4	3,073.50	1/4	3,451.57
1/2	105.58	1/2	443.64	1/2	814.70	1/2	1,191.67	1/2	1,569.10	1/2	1,947.18	1/2	2,325.24	1/2	2,703.31	1/2	3,081.38	1/2	3,459.45
3/4	111.84	3/4	450.71	3/4	822.58	3/4	1,199.55	3/4	1,576.98	3/4	1,955.05	3/4	2,333.12	3/4	2,711.19	3/4	3,089.25	3/4	3,467.32
5	118.10	5	457.79	5	830.46	5	1,207.42	5	1,584.85	5	1,962.93	5	2,341.00	5	2,719.06	5	3,097.13	5	3,475.20
1/4	124.36	1/4	464.86	1/4	838.33	1/4	1,215.30	1/4	1,592.73	1/4	1,970.81	1/4	2,348.87	1/4	2,726.94	1/4	3,105.01	1/4	3,483.07
1/2	130.62	1/2	471.94	1/2	846.21	1/2	1,223.18	1/2	1,600.61	1/2	1,978.68	1/2	2,356.75	1/2	2,734.82	1/2	3,112.88	1/2	3,490.95
3/4	137.22	3/4	479.09	3/4	854.07	3/4	1,231.05	3/4	1,608.48	3/4	1,986.56	3/4	2,364.63	3/4	2,742.69	3/4	3,120.76	3/4	3,498.83
6	143.82	6	486.24	6	861.94	6	1,238.93	6	1,616.36	6	1,994.44	6	2,372.50	6	2,750.57	6	3,128.64	6	3,506.70
1/4	150.41	1/4	493.40	1/4	869.80	1/4	1,246.81	1/4	1,624.24	1/4	2,002.31	1/4	2,380.38	1/4	2,758.45	1/4	3,136.51	1/4	3,514.58
1/2	157.01	1/2	500.55	1/2	877.67	1/2	1,254.69	1/2	1,632.11	1/2	2,010.19	1/2	2,388.25	1/2	2,766.32	1/2	3,144.39	1/2	3,522.46
3/4	163.72	3/4	508.20	3/4	885.52	3/4	1,262.56	3/4	1,639.99	3/4	2,018.07	3/4	2,396.13	3/4	2,774.20	3/4	3,152.27	3/4	3,530.33
7	170.43	7	515.84	7	893.37	7	1,270.44	7	1,647.87	7	2,025.94	7	2,404.01	7	2,782.07	7	3,160.14	7	3,538.21
1/4	177.14	1/4	523.48	1/4	901.22	1/4	1,278.32	1/4	1,655.74	1/4	2,033.82	1/4	2,411.88	1/4	2,789.95	1/4	3,168.02	1/4	3,546.09
1/2	183.85	1/2	531.13	1/2	909.07	1/2	1,286.20	1/2	1,663.62	1/2	2,041.69	1/2	2,419.76	1/2	2,797.83	1/2	3,175.89	1/2	3,553.96
3/4	190.68	3/4	539.01	3/4	916.91	3/4	1,294.06	3/4	1,671.50	3/4	2,049.57	3/4	2,427.64	3/4	2,805.70	3/4	3,183.77	3/4	3,561.84
8	197.51	8	546.88	8	924.76	8	1,301.92	8	1,679.37	8	2,057.45	8	2,435.51	8	2,813.58	8	3,191.65	8	3,569.71
1/4	204.34	1/4	554.76	1/4	932.61	1/4	1,309.79	1/4	1,687.25	1/4	2,065.32	1/4	2,443.39	1/4	2,821.46	1/4	3,199.52	1/4	3,577.59
1/2	211.17	1/2	562.64	1/2	940.46	1/2	1,317.65	1/2	1,695.13	1/2	2,073.20	1/2	2,451.27	1/2	2,829.33	1/2	3,207.40	1/2	3,585.47
3/4	218.11	3/4	570.52	3/4	948.31	3/4	1,325.50	3/4	1,703.00	3/4	2,081.08	3/4	2,459.14	3/4	2,837.21	3/4	3,215.28	3/4	3,593.34
9	225.05	9	578.39	9	956.15	9	1,333.35	9	1,710.88	9	2,088.95	9	2,467.02	9	2,845.09	9	3,223.15	9	3,601.22
1/4	231.99	1/4	586.27	1/4	964.00	1/4	1,341.20	1/4	1,718.76	1/4	2,096.83	1/4	2,474.90	1/4	2,852.96	1/4	3,231.03	1/4	3,609.10
1/2	238.93	1/2	594.15	1/2	971.85	1/2	1,349.05	1/2	1,726.63	1/2	2,104.70	1/2	2,482.77	1/2	2,860.84	1/2	3,238.91	1/2	3,616.97
3/4	245.98	3/4	602.03	3/4	979.70	3/4	1,356.90	3/4	1,734.51	3/4	2,112.58	3/4	2,490.65	3/4	2,868.72	3/4	3,246.78	3/4	3,624.85
10	253.02	10	609.90	10	987.55	10	1,364.75	10	1,742.38	10	2,120.46	10	2,498.52	10	2,876.59	10	3,254.66	10	3,632.73
1/4	260.07	1/4	617.78	1/4	995.39	1/4	1,372.60	1/4	1,750.26	1/4	2,128.33	1/4	2,506.40	1/4	2,884.47	1/4	3,262.54	1/4	3,640.60
1/2	267.11	1/2	625.66	1/2	1,003.24	1/2	1,380.45	1/2	1,758.14	1/2	2,136.21	1/2	2,514.28	1/2	2,892.34	1/2	3,270.41	1/2	3,648.48
3/4	274.26	3/4	633.53	3/4	1,011.09	3/4	1,388.30	3/4	1,766.01	3/4	2,144.09	3/4	2,522.15	3/4	2,900.22	3/4	3,278.29	3/4	3,656.36
11	281.41	11	641.41	11	1,018.94	11	1,396.14	11	1,773.89	11	2,151.96	11	2,530.03	11	2,908.10	11	3,286.16	11	3,664.23
1/4	288.56	1/4	649.29	1/4	1,026.79	1/4	1,403.99	1/4	1,781.77	1/4	2,159.84	1/4	2,537.91	1/4	2,915.97	1/4	3,294.04	1/4	3,672.11
1/2	295.71	1/2	657.16	1/2	1,034.63	1/2	1,411.84	1/2	1,789.64	1/2	2,167.72	1/2	2,545.78	1/2	2,923.85	1/2	3,301.92	1/2	3,679.98
3/4	302.95	3/4	665.04	3/4	1,042.48	3/4	1,419.69	3/4	1,797.52	3/4	2,175.59	3/4	2,553.66	3/4	2,931.73	3/4	3,309.79	3/4	3,687.86

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 AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.  
 GAUGE POINT: (MANUAL) LOCATED 12'-09" OFF CENTERLINE AND 45'-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 27770"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 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	3,695.74	0	4,072.20	0	4,430.92	0	4,763.96	0		0		0		0		0		0	
1/4	3,703.61	1/4	4,079.90	1/4	4,438.10	1/4	4,770.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,711.49	1/2	4,087.61	1/2	4,445.29	1/2	4,777.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,719.37	3/4	4,095.28	3/4	4,452.42	3/4	4,784.05	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,727.24	1	4,102.94	1	4,459.54	1	4,790.72	1		1		1		1		1		1	
1/4	3,735.12	1/4	4,110.61	1/4	4,466.67	1/4	4,797.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,743.00	1/2	4,118.28	1/2	4,473.80	1/2	4,804.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,750.87	3/4	4,125.91	3/4	4,480.89	3/4	4,811.00	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,758.75	2	4,133.54	2	4,487.98	2	4,817.93	2		2		2		2		2		2	
1/4	3,766.62	1/4	4,141.17	1/4	4,495.07	1/4	4,824.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,774.50	1/2	4,148.80	1/2	4,502.16	1/2	4,831.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,782.38	3/4	4,156.39	3/4	4,509.21	3/4	4,839.30	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,790.25	3	4,163.98	3	4,516.26	3	4,846.80	3		3		3		3		3		3	
1/4	3,798.13	1/4	4,171.57	1/4	4,523.31	1/4	4,854.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,806.01	1/2	4,179.16	1/2	4,530.36	1/2	4,861.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,813.88	3/4	4,186.72	3/4	4,537.38	3/4	4,869.60	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,821.76	4	4,194.27	4	4,544.39	4	4,877.39	4		4		4		4		4		4	
1/4	3,829.64	1/4	4,201.82	1/4	4,551.40	1/4	4,885.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,837.51	1/2	4,209.38	1/2	4,558.42	1/2	4,892.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,845.39	3/4	4,216.89	3/4	4,565.39	3/4	4,900.58	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,853.27	5	4,224.41	5	4,572.37	5	4,908.19	5		5		5		5		5		5	
1/4	3,861.14	1/4	4,231.92	1/4	4,579.34	1/4	4,915.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,869.02	1/2	4,239.44	1/2	4,586.32	1/2	4,923.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,876.89	3/4	4,246.92	3/4	4,593.26	3/4	4,930.19	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,884.77	6	4,254.40	6	4,600.19	6	4,936.97	6		6		6		6		6		6	
1/4	3,892.65	1/4	4,261.87	1/4	4,607.13	1/4	4,943.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,900.52	1/2	4,269.35	1/2	4,614.07	1/2	4,950.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,908.39	3/4	4,276.79	3/4	4,620.97	3/4	4,956.04	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,916.26	7	4,284.23	7	4,627.87	7	4,961.53	7		7		7		7		7		7	
1/4	3,924.13	1/4	4,291.67	1/4	4,634.77	1/4	4,967.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,932.00	1/2	4,299.11	1/2	4,641.67	1/2	4,972.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,939.85	3/4	4,306.51	3/4	4,648.53	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,947.70	8	4,313.91	8	4,655.39	8		8		8		8		8		8		8	
1/4	3,955.56	1/4	4,321.32	1/4	4,662.25	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,963.41	1/2	4,328.72	1/2	4,669.11	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,971.23	3/4	4,336.08	3/4	4,675.94	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,979.05	9	4,343.45	9	4,682.76	9		9		9		9		9		9		9	
1/4	3,986.87	1/4	4,350.81	1/4	4,689.58	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,994.69	1/2	4,358.17	1/2	4,696.41	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,002.47	3/4	4,365.50	3/4	4,703.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	4,010.25	10	4,372.82	10	4,709.98	10		10		10		10		10		10		10	
1/4	4,018.03	1/4	4,380.15	1/4	4,716.77	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,025.81	1/2	4,387.48	1/2	4,723.55	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,033.56	3/4	4,394.74	3/4	4,730.30	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,041.30	11	4,402.01	11	4,737.05	11		11		11		11		11		11		11	
1/4	4,049.04	1/4	4,409.28	1/4	4,743.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,056.79	1/2	4,416.54	1/2	4,750.54	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,064.49	3/4	4,423.73	3/4	4,757.25	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/25/2011 CL - SW  
RECALCULATED: 01/25/2022 PMA  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2022

PRECISION MEASUREMENT  
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# BARGE "KIRBY 27770"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09"

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	23.08	0	366.79	0	718.85	0	1,068.00	0	1,419.06	0	1,776.58	0	2,136.04	0	2,495.49	0	2,854.95	0	3,214.40
1/4	28.07	1/4	374.27	1/4	726.34	1/4	1,075.16	1/4	1,426.39	1/4	1,784.07	1/4	2,143.53	1/4	2,502.98	1/4	2,862.43	1/4	3,221.89
1/2	33.06	1/2	381.75	1/2	733.83	1/2	1,082.32	1/2	1,433.72	1/2	1,791.56	1/2	2,151.02	1/2	2,510.47	1/2	2,869.92	1/2	3,229.38
3/4	39.87	3/4	389.22	3/4	741.32	3/4	1,089.48	3/4	1,441.04	3/4	1,799.05	3/4	2,158.51	3/4	2,517.96	3/4	2,877.41	3/4	3,236.86
1	46.69	1	396.68	1	748.81	1	1,096.64	1	1,448.37	1	1,806.53	1	2,166.00	1	2,525.45	1	2,884.90	1	3,244.35
1/4	53.50	1/4	404.15	1/4	756.30	1/4	1,103.80	1/4	1,455.70	1/4	1,814.02	1/4	2,173.48	1/4	2,532.94	1/4	2,892.39	1/4	3,251.84
1/2	60.32	1/2	411.62	1/2	763.79	1/2	1,110.96	1/2	1,463.02	1/2	1,821.51	1/2	2,180.97	1/2	2,540.43	1/2	2,899.88	1/2	3,259.33
3/4	67.51	3/4	419.08	3/4	771.28	3/4	1,118.11	3/4	1,470.35	3/4	1,829.00	3/4	2,188.46	3/4	2,547.91	3/4	2,907.37	3/4	3,266.82
2	74.70	2	426.54	2	778.77	2	1,125.27	2	1,477.68	2	1,836.49	2	2,195.95	2	2,555.40	2	2,914.86	2	3,274.31
1/4	81.90	1/4	434.00	1/4	786.26	1/4	1,132.43	1/4	1,485.00	1/4	1,843.98	1/4	2,203.44	1/4	2,562.89	1/4	2,922.34	1/4	3,281.80
1/2	89.09	1/2	441.46	1/2	793.75	1/2	1,139.59	1/2	1,492.33	1/2	1,851.47	1/2	2,210.93	1/2	2,570.38	1/2	2,929.83	1/2	3,289.29
3/4	95.87	3/4	448.92	3/4	801.23	3/4	1,146.75	3/4	1,499.74	3/4	1,858.96	3/4	2,218.42	3/4	2,577.87	3/4	2,937.32	3/4	3,296.77
3	102.66	3	456.39	3	808.72	3	1,153.91	3	1,507.14	3	1,866.44	3	2,225.90	3	2,585.36	3	2,944.81	3	3,304.26
1/4	109.44	1/4	463.86	1/4	816.21	1/4	1,161.07	1/4	1,514.55	1/4	1,873.93	1/4	2,233.39	1/4	2,592.85	1/4	2,952.30	1/4	3,311.75
1/2	116.22	1/2	471.32	1/2	823.70	1/2	1,168.23	1/2	1,521.96	1/2	1,881.42	1/2	2,240.88	1/2	2,600.33	1/2	2,959.79	1/2	3,319.24
3/4	123.02	3/4	478.58	3/4	831.04	3/4	1,175.41	3/4	1,529.45	3/4	1,888.91	3/4	2,248.37	3/4	2,607.82	3/4	2,967.28	3/4	3,326.73
4	129.81	4	485.84	4	838.38	4	1,182.58	4	1,536.94	4	1,896.40	4	2,255.86	4	2,615.31	4	2,974.76	4	3,334.22
1/4	136.61	1/4	493.11	1/4	845.72	1/4	1,189.76	1/4	1,544.43	1/4	1,903.89	1/4	2,263.35	1/4	2,622.80	1/4	2,982.25	1/4	3,341.71
1/2	143.41	1/2	500.37	1/2	853.06	1/2	1,196.93	1/2	1,551.92	1/2	1,911.38	1/2	2,270.84	1/2	2,630.29	1/2	2,989.74	1/2	3,349.19
3/4	150.64	3/4	507.19	3/4	860.24	3/4	1,204.27	3/4	1,559.40	3/4	1,918.87	3/4	2,278.32	3/4	2,637.78	3/4	2,997.23	3/4	3,356.68
5	157.88	5	514.02	5	867.43	5	1,211.61	5	1,566.89	5	1,926.36	5	2,285.81	5	2,645.27	5	3,004.72	5	3,364.17
1/4	165.11	1/4	520.84	1/4	874.62	1/4	1,218.95	1/4	1,574.38	1/4	1,933.84	1/4	2,293.30	1/4	2,652.75	1/4	3,012.21	1/4	3,371.66
1/2	172.35	1/2	527.67	1/2	881.81	1/2	1,226.29	1/2	1,581.87	1/2	1,941.33	1/2	2,300.79	1/2	2,660.24	1/2	3,019.70	1/2	3,379.15
3/4	179.81	3/4	534.49	3/4	888.98	3/4	1,233.78	3/4	1,589.36	3/4	1,948.82	3/4	2,308.28	3/4	2,667.73	3/4	3,027.18	3/4	3,386.64
6	187.26	6	541.32	6	896.16	6	1,241.26	6	1,596.85	6	1,956.31	6	2,315.77	6	2,675.22	6	3,034.67	6	3,394.13
1/4	194.72	1/4	548.15	1/4	903.33	1/4	1,248.75	1/4	1,604.34	1/4	1,963.80	1/4	2,323.26	1/4	2,682.71	1/4	3,042.16	1/4	3,401.61
1/2	202.18	1/2	554.97	1/2	910.51	1/2	1,256.24	1/2	1,611.83	1/2	1,971.29	1/2	2,330.74	1/2	2,690.20	1/2	3,049.65	1/2	3,409.10
3/4	209.64	3/4	562.24	3/4	917.67	3/4	1,263.73	3/4	1,619.31	3/4	1,978.78	3/4	2,338.23	3/4	2,697.69	3/4	3,057.14	3/4	3,416.59
7	217.11	7	569.51	7	924.83	7	1,271.22	7	1,626.80	7	1,986.27	7	2,345.72	7	2,705.17	7	3,064.63	7	3,424.08
1/4	224.57	1/4	576.78	1/4	931.99	1/4	1,278.71	1/4	1,634.29	1/4	1,993.76	1/4	2,353.21	1/4	2,712.66	1/4	3,072.12	1/4	3,431.57
1/2	232.04	1/2	584.05	1/2	939.15	1/2	1,286.20	1/2	1,641.78	1/2	2,001.25	1/2	2,360.70	1/2	2,720.15	1/2	3,079.60	1/2	3,439.06
3/4	239.52	3/4	591.53	3/4	946.31	3/4	1,293.69	3/4	1,649.27	3/4	2,008.73	3/4	2,368.19	3/4	2,727.64	3/4	3,087.09	3/4	3,446.55
8	247.00	8	599.02	8	953.47	8	1,301.18	8	1,656.76	8	2,016.22	8	2,375.68	8	2,735.13	8	3,094.58	8	3,454.03
1/4	254.48	1/4	606.51	1/4	960.62	1/4	1,308.67	1/4	1,664.25	1/4	2,023.71	1/4	2,383.16	1/4	2,742.62	1/4	3,102.07	1/4	3,461.52
1/2	261.97	1/2	614.00	1/2	967.78	1/2	1,316.16	1/2	1,671.74	1/2	2,031.20	1/2	2,390.65	1/2	2,750.11	1/2	3,109.56	1/2	3,469.01
3/4	269.45	3/4	621.49	3/4	974.94	3/4	1,323.57	3/4	1,679.22	3/4	2,038.69	3/4	2,398.14	3/4	2,757.59	3/4	3,117.05	3/4	3,476.50
9	276.94	9	628.98	9	982.10	9	1,330.98	9	1,686.71	9	2,046.18	9	2,405.63	9	2,765.08	9	3,124.54	9	3,483.99
1/4	284.43	1/4	636.47	1/4	989.26	1/4	1,338.38	1/4	1,694.20	1/4	2,053.67	1/4	2,413.12	1/4	2,772.57	1/4	3,132.02	1/4	3,491.48
1/2	291.92	1/2	643.96	1/2	996.42	1/2	1,345.79	1/2	1,701.69	1/2	2,061.15	1/2	2,420.61	1/2	2,780.06	1/2	3,139.51	1/2	3,498.97
3/4	299.41	3/4	651.45	3/4	1,003.58	3/4	1,353.12	3/4	1,709.18	3/4	2,068.64	3/4	2,428.10	3/4	2,787.55	3/4	3,147.00	3/4	3,506.45
10	306.90	10	658.94	10	1,010.74	10	1,360.45	10	1,716.67	10	2,076.13	10	2,435.58	10	2,795.04	10	3,154.49	10	3,513.94
1/4	314.38	1/4	666.43	1/4	1,017.89	1/4	1,367.77	1/4	1,724.16	1/4	2,083.62	1/4	2,443.07	1/4	2,802.53	1/4	3,161.98	1/4	3,521.43
1/2	321.87	1/2	673.92	1/2	1,025.05	1/2	1,375.10	1/2	1,731.65	1/2	2,091.11	1/2	2,450.56	1/2	2,810.01	1/2	3,169.47	1/2	3,528.92
3/4	329.36	3/4	681.41	3/4	1,032.21	3/4	1,382.43	3/4	1,739.14	3/4	2,098.60	3/4	2,458.05	3/4	2,817.50	3/4	3,176.96	3/4	3,536.41
11	336.85	11	688.90	11	1,039.37	11	1,389.76	11	1,746.62	11	2,106.09	11	2,465.54	11	2,824.99	11	3,184.44	11	3,543.90
1/4	344.34	1/4	696.39	1/4	1,046.53	1/4	1,397.08	1/4	1,754.11	1/4	2,113.57	1/4	2,473.03	1/4	2,832.48	1/4	3,191.93	1/4	3,551.39
1/2	351.83	1/2	703.88	1/2	1,053.69	1/2	1,404.41	1/2	1,761.60	1/2	2,121.06	1/2	2,480.52	1/2	2,839.97	1/2	3,199.42	1/2	3,558.87
3/4	359.31	3/4	711.37	3/4	1,060.85	3/4	1,411.74	3/4	1,769.09	3/4	2,128.55	3/4	2,488.00	3/4	2,847.46	3/4	3,206.91	3/4	3,566.36

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 AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.  
 GAUGE POINT: (MANUAL) LOCATED 12'-09" OFF CENTERLINE AND 45'-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 27770"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09"

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	3,573.85	0	3,931.79	0	4,272.85	0	4,589.30	0		0		0		0		0		0	
1/4	3,581.34	1/4	3,939.12	1/4	4,279.67	1/4	4,595.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,588.83	1/2	3,946.45	1/2	4,286.50	1/2	4,602.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,596.32	3/4	3,953.74	3/4	4,293.28	3/4	4,608.39	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,603.81	1	3,961.03	1	4,300.05	1	4,614.73	1		1		1		1		1		1	
1/4	3,611.29	1/4	3,968.32	1/4	4,306.82	1/4	4,621.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,618.78	1/2	3,975.61	1/2	4,313.59	1/2	4,627.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,626.27	3/4	3,982.86	3/4	4,320.33	3/4	4,633.99	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,633.76	2	3,990.12	2	4,327.07	2	4,640.58	2		2		2		2		2		2	
1/4	3,641.25	1/4	3,997.37	1/4	4,333.80	1/4	4,647.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,648.74	1/2	4,004.62	1/2	4,340.54	1/2	4,653.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,656.23	3/4	4,011.84	3/4	4,347.24	3/4	4,660.88	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,663.72	3	4,019.06	3	4,353.94	3	4,668.01	3		3		3		3		3		3	
1/4	3,671.20	1/4	4,026.28	1/4	4,360.64	1/4	4,675.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,678.69	1/2	4,033.50	1/2	4,367.34	1/2	4,682.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,686.18	3/4	4,040.68	3/4	4,374.00	3/4	4,689.67	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,693.67	4	4,047.86	4	4,380.67	4	4,697.08	4		4		4		4		4		4	
1/4	3,701.16	1/4	4,055.04	1/4	4,387.33	1/4	4,704.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,708.65	1/2	4,062.22	1/2	4,394.00	1/2	4,711.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,716.14	3/4	4,069.37	3/4	4,400.62	3/4	4,719.11	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,723.62	5	4,076.51	5	4,407.25	5	4,726.34	5		5		5		5		5		5	
1/4	3,731.11	1/4	4,083.66	1/4	4,413.88	1/4	4,733.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,738.60	1/2	4,090.81	1/2	4,420.51	1/2	4,740.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,746.09	3/4	4,097.92	3/4	4,427.10	3/4	4,747.24	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,753.58	6	4,105.02	6	4,433.69	6	4,753.69	6		6		6		6		6		6	
1/4	3,761.07	1/4	4,112.13	1/4	4,440.28	1/4	4,760.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,768.56	1/2	4,119.24	1/2	4,446.87	1/2	4,766.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,776.04	3/4	4,126.32	3/4	4,453.43	3/4	4,771.80	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,783.53	7	4,133.39	7	4,459.99	7	4,777.02	7		7		7		7		7		7	
1/4	3,791.01	1/4	4,140.46	1/4	4,466.54	1/4	4,782.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,798.50	1/2	4,147.54	1/2	4,473.10	1/2	4,787.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,805.96	3/4	4,154.58	3/4	4,479.62	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,813.43	8	4,161.61	8	4,486.14	8		8		8		8		8		8		8	
1/4	3,820.90	1/4	4,168.65	1/4	4,492.66	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,828.36	1/2	4,175.69	1/2	4,499.18	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,835.80	3/4	4,182.69	3/4	4,505.66	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,843.23	9	4,189.69	9	4,512.14	9		9		9		9		9		9		9	
1/4	3,850.67	1/4	4,196.69	1/4	4,518.63	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,858.10	1/2	4,203.69	1/2	4,525.11	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,865.50	3/4	4,210.66	3/4	4,531.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,872.90	10	4,217.62	10	4,538.01	10		10		10		10		10		10		10	
1/4	3,880.30	1/4	4,224.59	1/4	4,544.45	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,887.69	1/2	4,231.55	1/2	4,550.90	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,895.06	3/4	4,238.46	3/4	4,557.31	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,902.42	11	4,245.37	11	4,563.72	11		11		11		11		11		11		11	
1/4	3,909.78	1/4	4,252.28	1/4	4,570.13	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,917.14	1/2	4,259.19	1/2	4,576.55	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,924.47	3/4	4,266.02	3/4	4,582.92	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/25/2011 CL - SW  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2022

PRECISION MEASUREMENT  
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# BARGE "KIRBY 27770"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 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	23.07	0	366.61	0	718.50	0	1,077.12	0	1,434.04	0	1,791.39	0	2,150.67	0	2,509.95	0	2,869.23	0	3,228.51
1/4	28.06	1/4	374.08	1/4	725.98	1/4	1,084.58	1/4	1,441.37	1/4	1,798.87	1/4	2,158.16	1/4	2,517.44	1/4	2,876.72	1/4	3,236.00
1/2	33.04	1/2	381.56	1/2	733.47	1/2	1,092.04	1/2	1,448.69	1/2	1,806.36	1/2	2,165.64	1/2	2,524.92	1/2	2,884.20	1/2	3,243.48
3/4	39.85	3/4	389.02	3/4	740.95	3/4	1,099.49	3/4	1,456.01	3/4	1,813.84	3/4	2,173.13	3/4	2,532.41	3/4	2,891.69	3/4	3,250.97
1	46.67	1	396.49	1	748.44	1	1,106.95	1	1,463.34	1	1,821.33	1	2,180.61	1	2,539.89	1	2,899.17	1	3,258.45
1/4	53.48	1/4	403.95	1/4	755.93	1/4	1,114.41	1/4	1,470.66	1/4	1,828.81	1/4	2,188.10	1/4	2,547.38	1/4	2,906.66	1/4	3,265.94
1/2	60.29	1/2	411.41	1/2	763.41	1/2	1,121.86	1/2	1,477.98	1/2	1,836.30	1/2	2,195.58	1/2	2,554.86	1/2	2,914.14	1/2	3,273.42
3/4	67.48	3/4	418.87	3/4	770.90	3/4	1,129.32	3/4	1,485.31	3/4	1,843.78	3/4	2,203.07	3/4	2,562.35	3/4	2,921.63	3/4	3,280.91
2	74.67	2	426.33	2	778.38	2	1,136.78	2	1,492.63	2	1,851.27	2	2,210.55	2	2,569.83	2	2,929.11	2	3,288.39
1/4	81.86	1/4	433.78	1/4	785.87	1/4	1,144.23	1/4	1,499.95	1/4	1,858.75	1/4	2,218.04	1/4	2,577.32	1/4	2,936.60	1/4	3,295.88
1/2	89.05	1/2	441.24	1/2	793.35	1/2	1,151.69	1/2	1,507.27	1/2	1,866.24	1/2	2,225.52	1/2	2,584.80	1/2	2,944.08	1/2	3,303.36
3/4	95.83	3/4	448.70	3/4	800.84	3/4	1,159.15	3/4	1,514.68	3/4	1,873.72	3/4	2,233.01	3/4	2,592.29	3/4	2,951.57	3/4	3,310.85
3	102.61	3	456.16	3	808.32	3	1,166.61	3	1,522.08	3	1,881.21	3	2,240.49	3	2,599.77	3	2,959.05	3	3,318.33
1/4	109.38	1/4	463.63	1/4	815.81	1/4	1,174.07	1/4	1,529.49	1/4	1,888.69	1/4	2,247.98	1/4	2,607.26	1/4	2,966.54	1/4	3,325.82
1/2	116.16	1/2	471.09	1/2	823.30	1/2	1,181.53	1/2	1,536.89	1/2	1,896.18	1/2	2,255.46	1/2	2,614.74	1/2	2,974.02	1/2	3,333.30
3/4	122.96	3/4	478.35	3/4	830.78	3/4	1,189.00	3/4	1,544.38	3/4	1,903.66	3/4	2,262.95	3/4	2,622.23	3/4	2,981.51	3/4	3,340.79
4	129.75	4	485.60	4	838.27	4	1,196.47	4	1,551.86	4	1,911.15	4	2,270.43	4	2,629.71	4	2,988.99	4	3,348.27
1/4	136.54	1/4	492.86	1/4	845.75	1/4	1,203.95	1/4	1,559.35	1/4	1,918.64	1/4	2,277.92	1/4	2,637.20	1/4	2,996.48	1/4	3,355.76
1/2	143.33	1/2	500.12	1/2	853.24	1/2	1,211.42	1/2	1,566.83	1/2	1,926.12	1/2	2,285.40	1/2	2,644.68	1/2	3,003.96	1/2	3,363.24
3/4	150.56	3/4	506.94	3/4	860.72	3/4	1,218.90	3/4	1,574.32	3/4	1,933.61	3/4	2,292.89	3/4	2,652.17	3/4	3,011.45	3/4	3,370.73
5	157.80	5	513.76	5	868.21	5	1,226.39	5	1,581.80	5	1,941.09	5	2,300.37	5	2,659.65	5	3,018.93	5	3,378.21
1/4	165.03	1/4	520.58	1/4	875.70	1/4	1,233.88	1/4	1,589.29	1/4	1,948.58	1/4	2,307.86	1/4	2,667.14	1/4	3,026.42	1/4	3,385.70
1/2	172.26	1/2	527.41	1/2	883.18	1/2	1,241.36	1/2	1,596.77	1/2	1,956.06	1/2	2,315.34	1/2	2,674.62	1/2	3,033.90	1/2	3,393.18
3/4	179.71	3/4	534.23	3/4	890.65	3/4	1,248.85	3/4	1,604.26	3/4	1,963.55	3/4	2,322.83	3/4	2,682.11	3/4	3,041.39	3/4	3,400.67
6	187.17	6	541.05	6	898.13	6	1,256.33	6	1,611.74	6	1,971.03	6	2,330.31	6	2,689.59	6	3,048.87	6	3,408.15
1/4	194.62	1/4	547.87	1/4	905.60	1/4	1,263.82	1/4	1,619.23	1/4	1,978.52	1/4	2,337.80	1/4	2,697.08	1/4	3,056.36	1/4	3,415.64
1/2	202.07	1/2	554.69	1/2	913.07	1/2	1,271.31	1/2	1,626.71	1/2	1,986.00	1/2	2,345.28	1/2	2,704.56	1/2	3,063.84	1/2	3,423.12
3/4	209.54	3/4	561.96	3/4	920.53	3/4	1,278.79	3/4	1,634.20	3/4	1,993.49	3/4	2,352.77	3/4	2,712.05	3/4	3,071.33	3/4	3,430.61
7	217.00	7	569.22	7	927.99	7	1,286.28	7	1,641.68	7	2,000.97	7	2,360.25	7	2,719.53	7	3,078.81	7	3,438.09
1/4	224.46	1/4	576.49	1/4	935.45	1/4	1,293.76	1/4	1,649.17	1/4	2,008.46	1/4	2,367.74	1/4	2,727.02	1/4	3,086.30	1/4	3,445.58
1/2	231.92	1/2	583.75	1/2	942.91	1/2	1,301.25	1/2	1,656.65	1/2	2,015.94	1/2	2,375.22	1/2	2,734.50	1/2	3,093.78	1/2	3,453.06
3/4	239.40	3/4	591.24	3/4	950.36	3/4	1,308.74	3/4	1,664.14	3/4	2,023.43	3/4	2,382.71	3/4	2,741.99	3/4	3,101.27	3/4	3,460.55
8	246.88	8	598.72	8	957.82	8	1,316.22	8	1,671.62	8	2,030.91	8	2,390.19	8	2,749.47	8	3,108.75	8	3,468.03
1/4	254.36	1/4	606.21	1/4	965.28	1/4	1,323.71	1/4	1,679.11	1/4	2,038.40	1/4	2,397.68	1/4	2,756.96	1/4	3,116.24	1/4	3,475.52
1/2	261.83	1/2	613.70	1/2	972.73	1/2	1,331.19	1/2	1,686.59	1/2	2,045.88	1/2	2,405.16	1/2	2,764.44	1/2	3,123.72	1/2	3,483.00
3/4	269.32	3/4	621.18	3/4	980.19	3/4	1,338.60	3/4	1,694.08	3/4	2,053.37	3/4	2,412.65	3/4	2,771.93	3/4	3,131.21	3/4	3,490.49
9	276.80	9	628.67	9	987.65	9	1,346.00	9	1,701.56	9	2,060.85	9	2,420.13	9	2,779.41	9	3,138.69	9	3,497.97
1/4	284.29	1/4	636.15	1/4	995.10	1/4	1,353.41	1/4	1,709.05	1/4	2,068.34	1/4	2,427.62	1/4	2,786.90	1/4	3,146.18	1/4	3,505.46
1/2	291.77	1/2	643.64	1/2	1,002.56	1/2	1,360.81	1/2	1,716.53	1/2	2,075.82	1/2	2,435.10	1/2	2,794.38	1/2	3,153.66	1/2	3,512.94
3/4	299.26	3/4	651.13	3/4	1,010.02	3/4	1,368.13	3/4	1,724.02	3/4	2,083.31	3/4	2,442.59	3/4	2,801.87	3/4	3,161.15	3/4	3,520.43
10	306.74	10	658.61	10	1,017.47	10	1,375.46	10	1,731.51	10	2,090.79	10	2,450.07	10	2,809.35	10	3,168.63	10	3,527.91
1/4	314.23	1/4	666.10	1/4	1,024.93	1/4	1,382.78	1/4	1,738.99	1/4	2,098.28	1/4	2,457.56	1/4	2,816.84	1/4	3,176.12	1/4	3,535.40
1/2	321.71	1/2	673.58	1/2	1,032.39	1/2	1,390.11	1/2	1,746.48	1/2	2,105.76	1/2	2,465.04	1/2	2,824.32	1/2	3,183.60	1/2	3,542.88
3/4	329.20	3/4	681.07	3/4	1,039.84	3/4	1,397.43	3/4	1,753.96	3/4	2,113.25	3/4	2,472.53	3/4	2,831.81	3/4	3,191.09	3/4	3,550.37
11	336.68	11	688.56	11	1,047.30	11	1,404.75	11	1,761.45	11	2,120.73	11	2,480.01	11	2,839.29	11	3,198.57	11	3,557.85
1/4	344.17	1/4	696.04	1/4	1,054.75	1/4	1,412.08	1/4	1,768.93	1/4	2,128.22	1/4	2,487.50	1/4	2,846.78	1/4	3,206.06	1/4	3,565.34
1/2	351.65	1/2	703.53	1/2	1,062.21	1/2	1,419.40	1/2	1,776.42	1/2	2,135.70	1/2	2,494.98	1/2	2,854.26	1/2	3,213.54	1/2	3,572.82
3/4	359.13	3/4	711.01	3/4	1,069.67	3/4	1,426.72	3/4	1,783.90	3/4	2,143.19	3/4	2,502.47	3/4	2,861.75	3/4	3,221.03	3/4	3,580.31

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 AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.  
 GAUGE POINT: (MANUAL) LOCATED 12'-09" OFF CENTERLINE AND 45'-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 27770"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,587.79	0	3,945.56	0	4,286.43	0	4,602.70	0		0		0		0		0		0	
1/4	3,595.28	1/4	3,952.88	1/4	4,293.25	1/4	4,609.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,602.76	1/2	3,960.20	1/2	4,300.08	1/2	4,615.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,610.25	3/4	3,967.49	3/4	4,306.85	3/4	4,621.77	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,617.73	1	3,974.77	1	4,313.62	1	4,628.11	1		1		1		1		1		1	
1/4	3,625.22	1/4	3,982.06	1/4	4,320.39	1/4	4,634.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,632.70	1/2	3,989.35	1/2	4,327.15	1/2	4,640.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,640.19	3/4	3,996.60	3/4	4,333.89	3/4	4,647.36	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,647.67	2	4,003.85	2	4,340.62	2	4,653.95	2		2		2		2		2		2	
1/4	3,655.16	1/4	4,011.10	1/4	4,347.35	1/4	4,660.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,662.64	1/2	4,018.35	1/2	4,354.08	1/2	4,667.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,670.13	3/4	4,025.56	3/4	4,360.78	3/4	4,674.24	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,677.61	3	4,032.78	3	4,367.48	3	4,681.36	3		3		3		3		3		3	
1/4	3,685.10	1/4	4,039.99	1/4	4,374.17	1/4	4,688.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,692.58	1/2	4,047.21	1/2	4,380.87	1/2	4,695.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,700.07	3/4	4,054.38	3/4	4,387.53	3/4	4,703.01	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,707.55	4	4,061.56	4	4,394.19	4	4,710.41	4		4		4		4		4		4	
1/4	3,715.04	1/4	4,068.74	1/4	4,400.85	1/4	4,717.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,722.52	1/2	4,075.92	1/2	4,407.51	1/2	4,725.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,730.01	3/4	4,083.06	3/4	4,414.13	3/4	4,732.44	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,737.49	5	4,090.20	5	4,420.76	5	4,739.67	5		5		5		5		5		5	
1/4	3,744.98	1/4	4,097.34	1/4	4,427.38	1/4	4,746.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,752.46	1/2	4,104.49	1/2	4,434.01	1/2	4,754.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,759.95	3/4	4,111.59	3/4	4,440.59	3/4	4,760.56	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,767.43	6	4,118.70	6	4,447.18	6	4,767.01	6		6		6		6		6		6	
1/4	3,774.92	1/4	4,125.80	1/4	4,453.77	1/4	4,773.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,782.40	1/2	4,132.91	1/2	4,460.36	1/2	4,779.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,789.88	3/4	4,139.98	3/4	4,466.91	3/4	4,785.12	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,797.36	7	4,147.05	7	4,473.46	7	4,790.34	7		7		7		7		7		7	
1/4	3,804.85	1/4	4,154.12	1/4	4,480.01	1/4	4,795.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,812.33	1/2	4,161.19	1/2	4,486.57	1/2	4,800.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,819.79	3/4	4,168.22	3/4	4,493.08	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,827.25	8	4,175.26	8	4,499.60	8		8		8		8		8		8		8	
1/4	3,834.71	1/4	4,182.29	1/4	4,506.11	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,842.18	1/2	4,189.32	1/2	4,512.63	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,849.61	3/4	4,196.32	3/4	4,519.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,857.04	9	4,203.32	9	4,525.59	9		9		9		9		9		9		9	
1/4	3,864.47	1/4	4,210.32	1/4	4,532.07	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,871.90	1/2	4,217.31	1/2	4,538.55	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,879.29	3/4	4,224.28	3/4	4,544.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,886.69	10	4,231.24	10	4,551.44	10		10		10		10		10		10		10	
1/4	3,894.08	1/4	4,238.20	1/4	4,557.88	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,901.48	1/2	4,245.16	1/2	4,564.32	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,908.84	3/4	4,252.06	3/4	4,570.73	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,916.19	11	4,258.97	11	4,577.14	11		11		11		11		11		11		11	
1/4	3,923.55	1/4	4,265.87	1/4	4,583.55	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,930.91	1/2	4,272.78	1/2	4,589.95	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,938.23	3/4	4,279.60	3/4	4,596.32	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/25/2011 CL - SW  
 RECALCULATED: 01/25/2022 PMA  
 REPRINTED: 10/25/2022 PMA

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 01/2022

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





# BARGE "KIRBY 27770"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	46.32	0	319.26	0	665.87	0	1,011.71	0	1,361.85	0	1,716.92	0	2,073.53	0	2,430.12	0	2,786.72	0	3,143.36
1/4	46.83	1/4	326.67	1/4	673.09	1/4	1,018.90	1/4	1,369.12	1/4	1,724.35	1/4	2,080.95	1/4	2,437.55	1/4	2,794.15	1/4	3,150.81
1/2	47.34	1/2	334.07	1/2	680.31	1/2	1,026.09	1/2	1,376.38	1/2	1,731.78	1/2	2,088.38	1/2	2,444.98	1/2	2,801.58	1/2	3,158.26
3/4	48.70	3/4	341.48	3/4	687.54	3/4	1,033.28	3/4	1,383.63	3/4	1,739.21	3/4	2,095.81	3/4	2,452.41	3/4	2,809.01	3/4	3,165.71
1	50.05	1	348.88	1	694.76	1	1,040.48	1	1,390.87	1	1,746.64	1	2,103.24	1	2,459.84	1	2,816.44	1	3,173.17
1/4	51.40	1/4	356.28	1/4	701.98	1/4	1,047.67	1/4	1,398.12	1/4	1,754.07	1/4	2,110.67	1/4	2,467.27	1/4	2,823.86	1/4	3,180.62
1/2	52.75	1/2	363.69	1/2	709.21	1/2	1,054.86	1/2	1,405.36	1/2	1,761.50	1/2	2,118.10	1/2	2,474.70	1/2	2,831.29	1/2	3,188.07
3/4	54.93	3/4	371.11	3/4	716.43	3/4	1,062.06	3/4	1,412.77	3/4	1,768.93	3/4	2,125.53	3/4	2,482.13	3/4	2,838.72	3/4	3,195.52
2	57.11	2	378.53	2	723.65	2	1,069.25	2	1,420.17	2	1,776.36	2	2,132.96	2	2,489.56	2	2,846.15	2	3,202.97
1/4	59.28	1/4	385.94	1/4	730.88	1/4	1,076.45	1/4	1,427.58	1/4	1,783.79	1/4	2,140.39	1/4	2,496.98	1/4	2,853.58	1/4	3,210.42
1/2	61.46	1/2	393.36	1/2	738.10	1/2	1,083.65	1/2	1,434.98	1/2	1,791.22	1/2	2,147.82	1/2	2,504.41	1/2	2,861.01	1/2	3,217.87
3/4	65.32	3/4	400.36	3/4	745.32	3/4	1,090.85	3/4	1,442.39	3/4	1,798.65	3/4	2,155.25	3/4	2,511.84	3/4	2,868.44	3/4	3,225.33
3	69.18	3	407.35	3	752.55	3	1,098.05	3	1,449.79	3	1,806.08	3	2,162.67	3	2,519.27	3	2,875.87	3	3,232.78
1/4	73.04	1/4	414.35	1/4	759.77	1/4	1,105.26	1/4	1,457.20	1/4	1,813.50	1/4	2,170.10	1/4	2,526.70	1/4	2,883.30	1/4	3,240.23
1/2	76.90	1/2	421.34	1/2	766.99	1/2	1,112.46	1/2	1,464.61	1/2	1,820.93	1/2	2,177.53	1/2	2,534.13	1/2	2,890.73	1/2	3,247.68
3/4	82.44	3/4	427.89	3/4	774.22	3/4	1,119.87	3/4	1,472.01	3/4	1,828.36	3/4	2,184.96	3/4	2,541.56	3/4	2,898.16	3/4	3,255.13
4	87.97	4	434.45	4	781.44	4	1,127.29	4	1,479.42	4	1,835.79	4	2,192.39	4	2,548.99	4	2,905.58	4	3,262.58
1/4	93.51	1/4	441.00	1/4	788.66	1/4	1,134.70	1/4	1,486.82	1/4	1,843.22	1/4	2,199.82	1/4	2,556.42	1/4	2,913.01	1/4	3,270.03
1/2	99.05	1/2	447.55	1/2	795.89	1/2	1,142.12	1/2	1,494.23	1/2	1,850.65	1/2	2,207.25	1/2	2,563.85	1/2	2,920.44	1/2	3,277.49
3/4	105.83	3/4	454.55	3/4	803.09	3/4	1,149.53	3/4	1,501.63	3/4	1,858.08	3/4	2,214.68	3/4	2,571.28	3/4	2,927.87	3/4	3,284.94
5	112.61	5	461.54	5	810.29	5	1,156.94	5	1,509.04	5	1,865.51	5	2,222.11	5	2,578.70	5	2,935.30	5	3,292.39
1/4	119.40	1/4	468.53	1/4	817.48	1/4	1,164.36	1/4	1,516.45	1/4	1,872.94	1/4	2,229.54	1/4	2,586.13	1/4	2,942.73	1/4	3,299.84
1/2	126.18	1/2	475.53	1/2	824.68	1/2	1,171.77	1/2	1,523.85	1/2	1,880.37	1/2	2,236.97	1/2	2,593.56	1/2	2,950.16	1/2	3,307.29
3/4	133.60	3/4	482.96	3/4	831.88	3/4	1,179.19	3/4	1,531.26	3/4	1,887.80	3/4	2,244.39	3/4	2,600.99	3/4	2,957.59	3/4	3,314.29
6	141.02	6	490.40	6	839.07	6	1,186.60	6	1,538.66	6	1,895.23	6	2,251.82	6	2,608.42	6	2,965.02	6	3,321.29
1/4	148.43	1/4	497.83	1/4	846.27	1/4	1,194.01	1/4	1,546.07	1/4	1,902.66	1/4	2,259.25	1/4	2,615.85	1/4	2,972.45	1/4	3,328.29
1/2	155.85	1/2	505.26	1/2	853.46	1/2	1,201.43	1/2	1,553.48	1/2	1,910.09	1/2	2,266.68	1/2	2,623.28	1/2	2,979.88	1/2	3,335.28
3/4	163.29	3/4	512.70	3/4	860.66	3/4	1,208.84	3/4	1,560.90	3/4	1,917.51	3/4	2,274.11	3/4	2,630.71	3/4	2,987.30	3/4	3,342.28
7	170.72	7	520.13	7	867.85	7	1,216.26	7	1,568.33	7	1,924.94	7	2,281.54	7	2,638.14	7	2,994.73	7	3,349.28
1/4	178.15	1/4	527.57	1/4	875.04	1/4	1,223.67	1/4	1,575.76	1/4	1,932.37	1/4	2,288.97	1/4	2,645.57	1/4	3,002.16	1/4	3,356.28
1/2	185.58	1/2	535.00	1/2	882.24	1/2	1,231.08	1/2	1,583.19	1/2	1,939.80	1/2	2,296.40	1/2	2,653.00	1/2	3,009.59	1/2	3,363.27
3/4	193.02	3/4	542.44	3/4	889.43	3/4	1,238.34	3/4	1,590.62	3/4	1,947.23	3/4	2,303.83	3/4	2,660.42	3/4	3,017.02	3/4	3,370.27
8	200.45	8	549.87	8	896.63	8	1,245.59	8	1,598.05	8	1,954.66	8	2,311.26	8	2,667.85	8	3,024.45	8	3,377.27
1/4	207.88	1/4	557.30	1/4	903.82	1/4	1,252.84	1/4	1,605.48	1/4	1,962.09	1/4	2,318.69	1/4	2,675.28	1/4	3,031.88	1/4	3,384.27
1/2	215.32	1/2	564.74	1/2	911.02	1/2	1,260.09	1/2	1,612.91	1/2	1,969.52	1/2	2,326.11	1/2	2,682.71	1/2	3,039.31	1/2	3,391.27
3/4	222.75	3/4	571.96	3/4	918.21	3/4	1,267.36	3/4	1,620.34	3/4	1,976.95	3/4	2,333.54	3/4	2,690.14	3/4	3,046.74	3/4	3,398.26
9	230.18	9	579.19	9	925.40	9	1,274.63	9	1,627.77	9	1,984.38	9	2,340.97	9	2,697.57	9	3,054.17	9	3,405.26
1/4	237.62	1/4	586.41	1/4	932.59	1/4	1,281.90	1/4	1,635.20	1/4	1,991.81	1/4	2,348.40	1/4	2,705.00	1/4	3,061.60	1/4	3,412.26
1/2	245.05	1/2	593.63	1/2	939.79	1/2	1,289.17	1/2	1,642.63	1/2	1,999.23	1/2	2,355.83	1/2	2,712.43	1/2	3,069.02	1/2	3,419.26
3/4	252.48	3/4	600.86	3/4	946.98	3/4	1,296.44	3/4	1,650.06	3/4	2,006.66	3/4	2,363.26	3/4	2,719.86	3/4	3,076.45	3/4	3,426.26
10	259.91	10	608.08	10	954.17	10	1,303.70	10	1,657.49	10	2,014.09	10	2,370.69	10	2,727.29	10	3,083.88	10	3,433.25
1/4	267.35	1/4	615.30	1/4	961.36	1/4	1,310.97	1/4	1,664.92	1/4	2,021.52	1/4	2,378.12	1/4	2,734.72	1/4	3,091.31	1/4	3,440.25
1/2	274.78	1/2	622.53	1/2	968.55	1/2	1,318.24	1/2	1,672.35	1/2	2,028.95	1/2	2,385.55	1/2	2,742.14	1/2	3,098.74	1/2	3,447.25
3/4	282.20	3/4	629.75	3/4	975.75	3/4	1,325.51	3/4	1,679.78	3/4	2,036.38	3/4	2,392.98	3/4	2,749.57	3/4	3,106.17	3/4	3,454.25
11	289.62	11	636.97	11	982.94	11	1,332.78	11	1,687.20	11	2,043.81	11	2,400.41	11	2,757.00	11	3,113.60	11	3,461.25
1/4	297.04	1/4	644.20	1/4	990.13	1/4	1,340.04	1/4	1,694.63	1/4	2,051.24	1/4	2,407.84	1/4	2,764.43	1/4	3,121.03	1/4	3,468.24
1/2	304.45	1/2	651.42	1/2	997.32	1/2	1,347.31	1/2	1,702.06	1/2	2,058.67	1/2	2,415.26	1/2	2,771.86	1/2	3,128.46	1/2	3,475.24
3/4	311.86	3/4	658.64	3/4	1,004.52	3/4	1,354.58	3/4	1,709.49	3/4	2,066.10	3/4	2,422.69	3/4	2,779.29	3/4	3,135.91	3/4	3,482.24

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 AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.  
 GAUGE POINT: (MANUAL) LOCATED 12'-09" OFF CENTERLINE AND 51'-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 27770"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	3,411.24	0	3,601.73	0	3,781.85	0	3,947.50	0		0		0		0		0		0	
1/4	3,415.23	1/4	3,605.61	1/4	3,785.42	1/4	3,950.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,419.23	1/2	3,609.49	1/2	3,788.99	1/2	3,954.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,423.23	3/4	3,613.36	3/4	3,792.53	3/4	3,957.79	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,427.23	1	3,617.22	1	3,796.08	1	3,961.41	1		1		1		1		1		1	
1/4	3,431.23	1/4	3,621.08	1/4	3,799.63	1/4	3,965.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,435.22	1/2	3,624.95	1/2	3,803.18	1/2	3,968.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,439.22	3/4	3,628.79	3/4	3,806.70	3/4	3,972.56	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,443.22	2	3,632.63	2	3,810.23	2	3,976.47	2		2		2		2		2		2	
1/4	3,447.22	1/4	3,636.48	1/4	3,813.76	1/4	3,980.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,451.22	1/2	3,640.32	1/2	3,817.29	1/2	3,984.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,455.21	3/4	3,644.15	3/4	3,820.80	3/4	3,988.21	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,459.21	3	3,647.97	3	3,824.31	3	3,992.13	3		3		3		3		3		3	
1/4	3,463.21	1/4	3,651.80	1/4	3,827.81	1/4	3,996.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,467.21	1/2	3,655.62	1/2	3,831.32	1/2	3,999.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,471.21	3/4	3,659.42	3/4	3,834.81	3/4	4,003.52	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,475.20	4	3,663.23	4	3,838.30	4	4,007.08	4		4		4		4		4		4	
1/4	3,479.20	1/4	3,667.04	1/4	3,841.79	1/4	4,010.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,483.20	1/2	3,670.84	1/2	3,845.28	1/2	4,014.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,487.20	3/4	3,674.63	3/4	3,848.75	3/4	4,016.57	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,491.19	5	3,678.41	5	3,852.22	5	4,018.93	5		5		5		5		5		5	
1/4	3,495.19	1/4	3,682.20	1/4	3,855.69	1/4	4,021.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,499.19	1/2	3,685.98	1/2	3,859.16	1/2	4,023.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,503.18	3/4	3,689.75	3/4	3,862.61	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,507.18	6	3,693.52	6	3,866.06	6		6		6		6		6		6		6	
1/4	3,511.17	1/4	3,697.28	1/4	3,869.51	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,515.16	1/2	3,701.05	1/2	3,872.97	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,519.14	3/4	3,704.80	3/4	3,876.40	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,523.12	7	3,708.55	7	3,879.83	7		7		7		7		7		7		7	
1/4	3,527.10	1/4	3,712.29	1/4	3,883.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,531.08	1/2	3,716.04	1/2	3,886.69	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,535.04	3/4	3,719.77	3/4	3,890.10	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,539.00	8	3,723.50	8	3,893.52	8		8		8		8		8		8		8	
1/4	3,542.96	1/4	3,727.22	1/4	3,896.93	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,546.92	1/2	3,730.95	1/2	3,900.34	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,550.86	3/4	3,734.66	3/4	3,903.73	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,554.80	9	3,738.37	9	3,907.13	9		9		9		9		9		9		9	
1/4	3,558.74	1/4	3,742.08	1/4	3,910.52	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,562.68	1/2	3,745.79	1/2	3,913.91	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,566.60	3/4	3,749.44	3/4	3,917.29	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,570.52	10	3,753.08	10	3,920.66	10		10		10		10		10		10		10	
1/4	3,574.44	1/4	3,756.73	1/4	3,924.04	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,578.36	1/2	3,760.38	1/2	3,927.41	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,582.26	3/4	3,763.96	3/4	3,930.76	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,586.16	11	3,767.55	11	3,934.12	11		11		11		11		11		11		11	
1/4	3,590.06	1/4	3,771.14	1/4	3,937.47	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,593.97	1/2	3,774.72	1/2	3,940.83	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,597.85	3/4	3,778.29	3/4	3,944.16	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/25/2011 CL - SW  
RECALCULATED: 01/25/2022 PMA  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2022

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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<http://www.pmacorp.net>



# BARGE "KIRBY 27770"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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	46.38	0	320.28	0	670.79	0	1,027.72	0	1,382.32	0	1,739.12	0	2,096.88	0	2,454.64	0	2,812.39	0	3,170.15
1/4	46.90	1/4	327.70	1/4	678.24	1/4	1,035.14	1/4	1,389.61	1/4	1,746.57	1/4	2,104.33	1/4	2,462.09	1/4	2,819.85	1/4	3,177.61
1/2	47.43	1/2	335.12	1/2	685.69	1/2	1,042.57	1/2	1,396.90	1/2	1,754.02	1/2	2,111.78	1/2	2,469.54	1/2	2,827.30	1/2	3,185.06
3/4	48.81	3/4	342.55	3/4	693.15	3/4	1,049.99	3/4	1,404.19	3/4	1,761.48	3/4	2,119.24	3/4	2,477.00	3/4	2,834.75	3/4	3,192.51
1	50.18	1	349.97	1	700.60	1	1,057.42	1	1,411.49	1	1,768.93	1	2,126.69	1	2,484.45	1	2,842.21	1	3,199.97
1/4	51.55	1/4	357.40	1/4	708.06	1/4	1,064.84	1/4	1,418.78	1/4	1,776.38	1/4	2,134.14	1/4	2,491.90	1/4	2,849.66	1/4	3,207.42
1/2	52.92	1/2	364.82	1/2	715.51	1/2	1,072.27	1/2	1,426.07	1/2	1,783.84	1/2	2,141.60	1/2	2,499.36	1/2	2,857.11	1/2	3,214.87
3/4	55.12	3/4	372.26	3/4	722.96	3/4	1,079.70	3/4	1,433.52	3/4	1,791.29	3/4	2,149.05	3/4	2,506.81	3/4	2,864.57	3/4	3,222.33
2	57.32	2	379.70	2	730.42	2	1,087.13	2	1,440.98	2	1,798.74	2	2,156.50	2	2,514.26	2	2,872.02	2	3,229.78
1/4	59.52	1/4	387.14	1/4	737.87	1/4	1,094.56	1/4	1,448.43	1/4	1,806.20	1/4	2,163.96	1/4	2,521.72	1/4	2,879.47	1/4	3,237.23
1/2	61.71	1/2	394.58	1/2	745.32	1/2	1,101.99	1/2	1,455.88	1/2	1,813.65	1/2	2,171.41	1/2	2,529.17	1/2	2,886.93	1/2	3,244.69
3/4	65.59	3/4	401.59	3/4	752.78	3/4	1,109.44	3/4	1,463.34	3/4	1,821.10	3/4	2,178.86	3/4	2,536.62	3/4	2,894.38	3/4	3,252.14
3	69.47	3	408.60	3	760.23	3	1,116.89	3	1,470.79	3	1,828.56	3	2,186.32	3	2,544.08	3	2,901.83	3	3,259.59
1/4	73.35	1/4	415.62	1/4	767.69	1/4	1,124.35	1/4	1,478.24	1/4	1,836.01	1/4	2,193.77	1/4	2,551.53	1/4	2,909.29	1/4	3,267.05
1/2	77.23	1/2	422.63	1/2	775.14	1/2	1,131.80	1/2	1,485.70	1/2	1,843.46	1/2	2,201.22	1/2	2,558.98	1/2	2,916.74	1/2	3,274.50
3/4	82.79	3/4	429.21	3/4	782.59	3/4	1,139.26	3/4	1,493.15	3/4	1,850.92	3/4	2,208.68	3/4	2,566.44	3/4	2,924.19	3/4	3,281.95
4	88.35	4	435.78	4	790.05	4	1,146.71	4	1,500.60	4	1,858.37	4	2,216.13	4	2,573.89	4	2,931.65	4	3,289.41
1/4	93.90	1/4	442.35	1/4	797.50	1/4	1,154.17	1/4	1,508.06	1/4	1,865.82	1/4	2,223.58	1/4	2,581.34	1/4	2,939.10	1/4	3,296.86
1/2	99.46	1/2	448.93	1/2	804.96	1/2	1,161.62	1/2	1,515.51	1/2	1,873.28	1/2	2,231.04	1/2	2,588.80	1/2	2,946.55	1/2	3,304.31
3/4	106.26	3/4	455.94	3/4	812.38	3/4	1,169.07	3/4	1,522.96	3/4	1,880.73	3/4	2,238.49	3/4	2,596.25	3/4	2,954.01	3/4	3,311.77
5	113.06	5	462.95	5	819.81	5	1,176.53	5	1,530.42	5	1,888.19	5	2,245.94	5	2,603.70	5	2,961.46	5	3,319.22
1/4	119.87	1/4	469.97	1/4	827.24	1/4	1,183.98	1/4	1,537.87	1/4	1,895.64	1/4	2,253.40	1/4	2,611.16	1/4	2,968.91	1/4	3,326.67
1/2	126.67	1/2	476.98	1/2	834.67	1/2	1,191.44	1/2	1,545.32	1/2	1,903.09	1/2	2,260.85	1/2	2,618.61	1/2	2,976.37	1/2	3,334.13
3/4	134.11	3/4	484.44	3/4	842.10	3/4	1,198.89	3/4	1,552.78	3/4	1,910.55	3/4	2,268.30	3/4	2,626.06	3/4	2,983.82	3/4	3,338.13
6	141.55	6	491.89	6	849.52	6	1,206.34	6	1,560.23	6	1,918.00	6	2,275.76	6	2,633.52	6	2,991.27	6	3,342.13
1/4	148.99	1/4	499.34	1/4	856.95	1/4	1,213.80	1/4	1,567.68	1/4	1,925.45	1/4	2,283.21	1/4	2,640.97	1/4	2,998.73	1/4	3,346.13
1/2	156.42	1/2	506.80	1/2	864.37	1/2	1,221.25	1/2	1,575.14	1/2	1,932.91	1/2	2,290.66	1/2	2,648.42	1/2	3,006.18	1/2	3,350.13
3/4	163.88	3/4	514.25	3/4	871.80	3/4	1,228.71	3/4	1,582.59	3/4	1,940.36	3/4	2,298.12	3/4	2,655.88	3/4	3,013.63	3/4	3,354.12
7	171.33	7	521.71	7	879.22	7	1,236.16	7	1,590.05	7	1,947.81	7	2,305.57	7	2,663.33	7	3,021.09	7	3,358.12
1/4	178.78	1/4	529.16	1/4	886.65	1/4	1,243.61	1/4	1,597.50	1/4	1,955.27	1/4	2,313.02	1/4	2,670.78	1/4	3,028.54	1/4	3,362.12
1/2	186.24	1/2	536.62	1/2	894.07	1/2	1,251.07	1/2	1,604.95	1/2	1,962.72	1/2	2,320.48	1/2	2,678.24	1/2	3,035.99	1/2	3,366.12
3/4	193.69	3/4	544.07	3/4	901.50	3/4	1,258.36	3/4	1,612.41	3/4	1,970.17	3/4	2,327.93	3/4	2,685.69	3/4	3,043.45	3/4	3,370.12
8	201.14	8	551.52	8	908.92	8	1,265.65	8	1,619.86	8	1,977.63	8	2,335.38	8	2,693.14	8	3,050.90	8	3,374.12
1/4	208.60	1/4	558.98	1/4	916.35	1/4	1,272.94	1/4	1,627.31	1/4	1,985.08	1/4	2,342.84	1/4	2,700.60	1/4	3,058.35	1/4	3,378.12
1/2	216.05	1/2	566.43	1/2	923.77	1/2	1,280.24	1/2	1,634.77	1/2	1,992.53	1/2	2,350.29	1/2	2,708.05	1/2	3,065.81	1/2	3,382.12
3/4	223.50	3/4	573.89	3/4	931.20	3/4	1,287.53	3/4	1,642.22	3/4	1,999.99	3/4	2,357.74	3/4	2,715.50	3/4	3,073.26	3/4	3,386.12
9	230.95	9	581.34	9	938.62	9	1,294.82	9	1,649.67	9	2,007.44	9	2,365.20	9	2,722.96	9	3,080.71	9	3,390.12
1/4	238.41	1/4	588.79	1/4	946.05	1/4	1,302.11	1/4	1,657.13	1/4	2,014.89	1/4	2,372.65	1/4	2,730.41	1/4	3,088.17	1/4	3,394.12
1/2	245.86	1/2	596.25	1/2	953.47	1/2	1,309.41	1/2	1,664.58	1/2	2,022.35	1/2	2,380.10	1/2	2,737.86	1/2	3,095.62	1/2	3,398.12
3/4	253.31	3/4	603.70	3/4	960.90	3/4	1,316.70	3/4	1,672.03	3/4	2,029.80	3/4	2,387.56	3/4	2,745.32	3/4	3,103.07	3/4	3,402.12
10	260.77	10	611.16	10	968.32	10	1,323.99	10	1,679.49	10	2,037.25	10	2,395.01	10	2,752.77	10	3,110.53	10	3,406.12
1/4	268.22	1/4	618.61	1/4	975.75	1/4	1,331.28	1/4	1,686.94	1/4	2,044.71	1/4	2,402.46	1/4	2,760.22	1/4	3,117.98	1/4	3,410.12
1/2	275.67	1/2	626.06	1/2	983.17	1/2	1,338.57	1/2	1,694.39	1/2	2,052.16	1/2	2,409.92	1/2	2,767.68	1/2	3,125.43	1/2	3,414.12
3/4	283.11	3/4	633.52	3/4	990.60	3/4	1,345.86	3/4	1,701.85	3/4	2,059.61	3/4	2,417.37	3/4	2,775.13	3/4	3,132.89	3/4	3,418.12
11	290.55	11	640.97	11	998.02	11	1,353.15	11	1,709.30	11	2,067.06	11	2,424.82	11	2,782.58	11	3,140.34	11	3,422.12
1/4	297.99	1/4	648.43	1/4	1,005.45	1/4	1,360.45	1/4	1,716.75	1/4	2,074.52	1/4	2,432.28	1/4	2,790.04	1/4	3,147.79	1/4	3,426.12
1/2	305.43	1/2	655.88	1/2	1,012.87	1/2	1,367.74	1/2	1,724.21	1/2	2,081.97	1/2	2,439.73	1/2	2,797.49	1/2	3,155.25	1/2	3,430.12
3/4	312.85	3/4	663.33	3/4	1,020.29	3/4	1,375.03	3/4	1,731.66	3/4	2,089.42	3/4	2,447.18	3/4	2,804.94	3/4	3,162.70	3/4	3,434.12

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 AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.  
 GAUGE POINT: (MANUAL) LOCATED 12'-09" OFF CENTERLINE AND 51'-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 27770"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,438.12	0	3,628.70	0	3,808.91	0	3,974.64	0		0		0		0		0		0	
1/4	3,442.12	1/4	3,632.59	1/4	3,812.48	1/4	3,977.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,446.12	1/2	3,636.47	1/2	3,816.05	1/2	3,981.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,450.12	3/4	3,640.33	3/4	3,819.60	3/4	3,984.94	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,454.12	1	3,644.20	1	3,823.15	1	3,988.56	1		1		1		1		1		1	
1/4	3,458.12	1/4	3,648.06	1/4	3,826.70	1/4	3,992.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,462.12	1/2	3,651.93	1/2	3,830.25	1/2	3,995.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,466.12	3/4	3,655.77	3/4	3,833.78	3/4	3,999.72	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,470.12	2	3,659.62	2	3,837.31	2	4,003.63	2		2		2		2		2		2	
1/4	3,474.12	1/4	3,663.47	1/4	3,840.84	1/4	4,007.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,478.12	1/2	3,667.31	1/2	3,844.37	1/2	4,011.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,482.12	3/4	3,671.14	3/4	3,847.88	3/4	4,015.38	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,486.12	3	3,674.96	3	3,851.39	3	4,019.29	3		3		3		3		3		3	
1/4	3,490.12	1/4	3,678.79	1/4	3,854.90	1/4	4,023.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,494.12	1/2	3,682.62	1/2	3,858.41	1/2	4,027.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,498.12	3/4	3,686.42	3/4	3,861.90	3/4	4,030.69	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,502.12	4	3,690.23	4	3,865.39	4	4,034.26	4		4		4		4		4		4	
1/4	3,506.12	1/4	3,694.04	1/4	3,868.88	1/4	4,037.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,510.12	1/2	3,697.84	1/2	3,872.37	1/2	4,041.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,514.12	3/4	3,701.63	3/4	3,875.84	3/4	4,043.75	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,518.12	5	3,705.42	5	3,879.32	5	4,046.12	5		5		5		5		5		5	
1/4	3,522.12	1/4	3,709.21	1/4	3,882.79	1/4	4,048.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,526.12	1/2	3,713.00	1/2	3,886.26	1/2	4,050.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,530.11	3/4	3,716.76	3/4	3,889.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,534.11	6	3,720.53	6	3,893.17	6		6		6		6		6		6		6	
1/4	3,538.10	1/4	3,724.30	1/4	3,896.62	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,542.09	1/2	3,728.07	1/2	3,900.07	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,546.08	3/4	3,731.82	3/4	3,903.50	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,550.06	7	3,735.57	7	3,906.94	7		7		7		7		7		7		7	
1/4	3,554.04	1/4	3,739.32	1/4	3,910.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,558.02	1/2	3,743.07	1/2	3,913.80	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,561.98	3/4	3,746.80	3/4	3,917.22	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,565.94	8	3,750.53	8	3,920.63	8		8		8		8		8		8		8	
1/4	3,569.90	1/4	3,754.26	1/4	3,924.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,573.86	1/2	3,757.99	1/2	3,927.46	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,577.80	3/4	3,761.70	3/4	3,930.86	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,581.75	9	3,765.41	9	3,934.25	9		9		9		9		9		9		9	
1/4	3,585.69	1/4	3,769.12	1/4	3,937.65	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,589.63	1/2	3,772.83	1/2	3,941.04	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,593.55	3/4	3,776.48	3/4	3,944.42	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,597.47	10	3,780.13	10	3,947.79	10		10		10		10		10		10		10	
1/4	3,601.40	1/4	3,783.78	1/4	3,951.17	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,605.32	1/2	3,787.43	1/2	3,954.54	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,609.22	3/4	3,791.01	3/4	3,957.90	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,613.13	11	3,794.60	11	3,961.26	11		11		11		11		11		11		11	
1/4	3,617.03	1/4	3,798.19	1/4	3,964.61	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,620.93	1/2	3,801.78	1/2	3,967.97	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,624.82	3/4	3,805.34	3/4	3,971.31	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/25/2011 CL - SW  
 RECALCULATED: 01/25/2022 PMA  
 REPRINTED: 10/25/2022 PMA

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 01/2022

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



# BARGE "KIRBY 27770"

# FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT: 6'-10"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	49	1/4	2,377	1/4	4,705	1/4	7,033	1/4	9,361	1/4	11,689	1/4	14,017	1/4	16,345	1/4	18,673	1/4	21,001
1/2	97	1/2	2,425	1/2	4,753	1/2	7,081	1/2	9,409	1/2	11,737	1/2	14,065	1/2	16,393	1/2	18,721	1/2	21,049
3/4	146	3/4	2,474	3/4	4,802	3/4	7,130	3/4	9,458	3/4	11,786	3/4	14,114	3/4	16,442	3/4	18,770	3/4	21,097
1	194	1	2,522	1	4,850	1	7,178	1	9,506	1	11,834	1	14,162	1	16,490	1	18,818	1	21,145
1/4	243	1/4	2,571	1/4	4,899	1/4	7,227	1/4	9,555	1/4	11,883	1/4	14,211	1/4	16,539	1/4	18,867	1/4	21,193
1/2	291	1/2	2,619	1/2	4,947	1/2	7,275	1/2	9,603	1/2	11,931	1/2	14,259	1/2	16,587	1/2	18,915	1/2	21,241
3/4	340	3/4	2,668	3/4	4,996	3/4	7,324	3/4	9,652	3/4	11,980	3/4	14,308	3/4	16,636	3/4	18,964	3/4	21,289
2	388	2	2,716	2	5,044	2	7,372	2	9,700	2	12,028	2	14,356	2	16,684	2	19,012	2	21,337
1/4	437	1/4	2,765	1/4	5,093	1/4	7,421	1/4	9,749	1/4	12,077	1/4	14,405	1/4	16,732	1/4	19,061	1/4	21,385
1/2	485	1/2	2,813	1/2	5,141	1/2	7,469	1/2	9,797	1/2	12,125	1/2	14,453	1/2	16,780	1/2	19,109	1/2	21,433
3/4	534	3/4	2,862	3/4	5,190	3/4	7,518	3/4	9,846	3/4	12,174	3/4	14,502	3/4	16,828	3/4	19,158	3/4	21,481
3	582	3	2,910	3	5,238	3	7,566	3	9,894	3	12,222	3	14,550	3	16,876	3	19,206	3	21,529
1/4	631	1/4	2,959	1/4	5,287	1/4	7,615	1/4	9,943	1/4	12,271	1/4	14,599	1/4	16,925	1/4	19,255	1/4	21,577
1/2	679	1/2	3,007	1/2	5,335	1/2	7,663	1/2	9,991	1/2	12,319	1/2	14,647	1/2	16,973	1/2	19,304	1/2	21,625
3/4	728	3/4	3,056	3/4	5,384	3/4	7,712	3/4	10,040	3/4	12,368	3/4	14,696	3/4	17,022	3/4	19,353	3/4	21,673
4	776	4	3,104	4	5,432	4	7,760	4	10,088	4	12,416	4	14,744	4	17,070	4	19,401	4	21,721
1/4	825	1/4	3,153	1/4	5,481	1/4	7,809	1/4	10,137	1/4	12,465	1/4	14,793	1/4	17,119	1/4	19,450	1/4	21,769
1/2	873	1/2	3,201	1/2	5,529	1/2	7,857	1/2	10,185	1/2	12,513	1/2	14,841	1/2	17,167	1/2	19,500	1/2	21,817
3/4	922	3/4	3,250	3/4	5,578	3/4	7,906	3/4	10,234	3/4	12,562	3/4	14,890	3/4	17,216	3/4	19,549	3/4	21,865
5	970	5	3,298	5	5,626	5	7,954	5	10,282	5	12,610	5	14,938	5	17,264	5	19,598	5	21,913
1/4	1,019	1/4	3,347	1/4	5,675	1/4	8,003	1/4	10,331	1/4	12,659	1/4	14,987	1/4	17,313	1/4	19,647	1/4	21,961
1/2	1,067	1/2	3,395	1/2	5,723	1/2	8,051	1/2	10,379	1/2	12,707	1/2	15,035	1/2	17,361	1/2	19,696	1/2	22,009
3/4	1,116	3/4	3,444	3/4	5,772	3/4	8,100	3/4	10,428	3/4	12,756	3/4	15,084	3/4	17,409	3/4	19,745	3/4	22,057
6	1,164	6	3,492	6	5,820	6	8,148	6	10,476	6	12,804	6	15,132	6	17,457	6	19,794	6	22,105
1/4	1,213	1/4	3,541	1/4	5,869	1/4	8,197	1/4	10,525	1/4	12,853	1/4	15,181	1/4	17,505	1/4	19,843	1/4	22,153
1/2	1,261	1/2	3,589	1/2	5,917	1/2	8,245	1/2	10,573	1/2	12,901	1/2	15,229	1/2	17,549	1/2	19,892	1/2	22,201
3/4	1,310	3/4	3,638	3/4	5,966	3/4	8,294	3/4	10,622	3/4	12,950	3/4	15,278	3/4	17,597	3/4	19,941	3/4	22,249
7	1,358	7	3,686	7	6,014	7	8,342	7	10,670	7	12,998	7	15,326	7	17,645	7	19,990	7	22,297
1/4	1,407	1/4	3,735	1/4	6,063	1/4	8,391	1/4	10,719	1/4	13,047	1/4	15,375	1/4	17,694	1/4	20,039	1/4	22,345
1/2	1,455	1/2	3,783	1/2	6,111	1/2	8,439	1/2	10,767	1/2	13,095	1/2	15,423	1/2	17,742	1/2	20,088	1/2	22,393
3/4	1,504	3/4	3,832	3/4	6,160	3/4	8,488	3/4	10,816	3/4	13,144	3/4	15,472	3/4	17,791	3/4	20,137	3/4	22,441
8	1,552	8	3,880	8	6,208	8	8,536	8	10,864	8	13,192	8	15,520	8	17,839	8	20,186	8	22,489
1/4	1,601	1/4	3,929	1/4	6,257	1/4	8,585	1/4	10,913	1/4	13,241	1/4	15,569	1/4	17,888	1/4	20,235	1/4	22,537
1/2	1,649	1/2	3,977	1/2	6,305	1/2	8,633	1/2	10,961	1/2	13,289	1/2	15,617	1/2	17,936	1/2	20,284	1/2	22,585
3/4	1,698	3/4	4,026	3/4	6,354	3/4	8,682	3/4	11,010	3/4	13,338	3/4	15,666	3/4	17,985	3/4	20,333	3/4	22,633
9	1,746	9	4,074	9	6,402	9	8,730	9	11,058	9	13,386	9	15,714	9	18,033	9	20,382	9	22,681
1/4	1,795	1/4	4,123	1/4	6,451	1/4	8,779	1/4	11,107	1/4	13,435	1/4	15,763	1/4	18,082	1/4	20,431	1/4	22,729
1/2	1,843	1/2	4,171	1/2	6,499	1/2	8,827	1/2	11,155	1/2	13,483	1/2	15,811	1/2	18,131	1/2	20,480	1/2	22,777
3/4	1,892	3/4	4,220	3/4	6,548	3/4	8,876	3/4	11,204	3/4	13,532	3/4	15,860	3/4	18,180	3/4	20,529	3/4	22,825
10	1,940	10	4,268	10	6,596	10	8,924	10	11,252	10	13,580	10	15,908	10	18,230	10	20,578	10	22,873
1/4	1,989	1/4	4,317	1/4	6,645	1/4	8,973	1/4	11,301	1/4	13,629	1/4	15,957	1/4	18,279	1/4	20,627	1/4	22,921
1/2	2,037	1/2	4,365	1/2	6,693	1/2	9,021	1/2	11,349	1/2	13,677	1/2	16,005	1/2	18,328	1/2	20,676	1/2	22,969
3/4	2,086	3/4	4,414	3/4	6,742	3/4	9,070	3/4	11,398	3/4	13,726	3/4	16,054	3/4	18,377	3/4	20,725	3/4	23,017
11	2,134	11	4,462	11	6,790	11	9,118	11	11,446	11	13,774	11	16,103	11	18,426	11	20,774	11	23,065
1/4	2,183	1/4	4,511	1/4	6,839	1/4	9,167	1/4	11,495	1/4	13,823	1/4	16,152	1/4	18,475	1/4	20,823	1/4	23,113
1/2	2,231	1/2	4,559	1/2	6,887	1/2	9,215	1/2	11,543	1/2	13,871	1/2	16,201	1/2	18,524	1/2	20,872	1/2	23,161
3/4	2,280	3/4	4,608	3/4	6,936	3/4	9,264	3/4	11,592	3/4	13,920	3/4	16,250	3/4	18,573	3/4	20,921	3/4	23,209

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: 01/25/2022 JS  
CALCULATED: 01/25/2022 CL  
PRINTED: 01/25/2022 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2022

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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