



BARGE "KIRBY 29078"

ULLAGE TRIM TABLE

FORMERLY "HBC 311"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
1 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
2 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
3 PORT	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-3/8	- 03-3/8
3 STBD	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-3/4	- 02-3/4	03-3/8	- 03-3/8

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

LENGTH BETWEEN DRAFT MARKS: 253'-09"

September 28, 2023

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29078"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 311"

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		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	5,146.58	0	4,812.99	0	4,459.82	0	4,097.05	0	3,734.26	0	3,371.47	0	3,008.67
1/4		1/4		1/4		1/4	5,139.87	1/4	4,805.83	1/4	4,452.27	1/4	4,089.50	1/4	3,726.70	1/4	3,363.91	1/4	3,001.11
1/2		1/2		1/2		1/2	5,133.15	1/2	4,798.68	1/2	4,444.73	1/2	4,081.94	1/2	3,719.14	1/2	3,356.35	1/2	2,993.56
3/4		3/4		3/4		3/4	5,126.39	3/4	4,791.49	3/4	4,437.17	3/4	4,074.38	3/4	3,711.59	3/4	3,348.79	3/4	2,986.00
1		1		1		1	5,119.64	1	4,784.31	1	4,429.61	1	4,066.82	1	3,704.03	1	3,341.23	1	2,978.44
1/4		1/4		1/4		1/4	5,112.88	1/4	4,777.12	1/4	4,422.06	1/4	4,059.26	1/4	3,696.47	1/4	3,333.68	1/4	2,970.88
1/2		1/2		1/2		1/2	5,106.13	1/2	4,769.94	1/2	4,414.50	1/2	4,051.70	1/2	3,688.91	1/2	3,326.12	1/2	2,963.32
3/4		3/4		3/4		3/4	5,099.34	3/4	4,762.72	3/4	4,406.94	3/4	4,044.15	3/4	3,681.35	3/4	3,318.56	3/4	2,955.77
2		2		2		2	5,092.55	2	4,755.51	2	4,399.38	2	4,036.59	2	3,673.79	2	3,311.00	2	2,948.21
1/4		1/4		1/4		1/4	5,085.76	1/4	4,748.29	1/4	4,391.82	1/4	4,029.03	1/4	3,666.24	1/4	3,303.44	1/4	2,940.65
1/2		1/2		1/2		1/2	5,078.98	1/2	4,741.08	1/2	4,384.27	1/2	4,021.47	1/2	3,658.68	1/2	3,295.88	1/2	2,933.09
3/4		3/4		3/4		3/4	5,072.16	3/4	4,733.80	3/4	4,376.71	3/4	4,013.91	3/4	3,651.12	3/4	3,288.33	3/4	2,925.53
3		3		3		3	5,065.34	3	4,726.53	3	4,369.15	3	4,006.36	3	3,643.56	3	3,280.77	3	2,917.97
1/4		1/4		1/4		1/4	5,058.53	1/4	4,719.26	1/4	4,361.59	1/4	3,998.80	1/4	3,636.00	1/4	3,273.21	1/4	2,910.42
1/2		1/2		1/2		1/2	5,051.71	1/2	4,711.98	1/2	4,354.03	1/2	3,991.24	1/2	3,628.45	1/2	3,265.65	1/2	2,902.86
3/4		3/4		3/4		3/4	5,044.86	3/4	4,704.68	3/4	4,346.47	3/4	3,983.68	3/4	3,620.89	3/4	3,258.09	3/4	2,895.30
4		4		4		4	5,038.02	4	4,697.37	4	4,338.92	4	3,976.12	4	3,613.33	4	3,250.54	4	2,887.74
1/4		1/4		1/4		1/4	5,031.17	1/4	4,690.07	1/4	4,331.36	1/4	3,968.56	1/4	3,605.77	1/4	3,242.98	1/4	2,880.18
1/2		1/2		1/2		1/2	5,024.32	1/2	4,682.77	1/2	4,323.80	1/2	3,961.01	1/2	3,598.21	1/2	3,235.42	1/2	2,872.63
3/4		3/4		3/4		3/4	5,017.37	3/4	4,675.43	3/4	4,316.24	3/4	3,953.45	3/4	3,590.65	3/4	3,227.86	3/4	2,865.07
5		5		5		5	5,010.42	5	4,668.10	5	4,308.68	5	3,945.89	5	3,583.10	5	3,220.30	5	2,857.51
1/4		1/4		1/4		1/4	5,003.48	1/4	4,660.76	1/4	4,301.13	1/4	3,938.33	1/4	3,575.54	1/4	3,212.74	1/4	2,849.95
1/2		1/2		1/2		1/2	4,996.53	1/2	4,653.43	1/2	4,293.57	1/2	3,930.77	1/2	3,567.98	1/2	3,205.19	1/2	2,842.39
3/4		3/4		3/4		3/4	4,989.55	3/4	4,646.07	3/4	4,286.01	3/4	3,923.22	3/4	3,560.42	3/4	3,197.63	3/4	2,834.83
6		6		6		6	4,982.57	6	4,638.70	6	4,278.45	6	3,915.66	6	3,552.86	6	3,190.07	6	2,827.28
1/4		1/4		1/4		1/4	4,975.59	1/4	4,631.34	1/4	4,270.89	1/4	3,908.10	1/4	3,545.31	1/4	3,182.51	1/4	2,819.72
1/2		1/2		1/2		1/2	4,968.61	1/2	4,623.97	1/2	4,263.33	1/2	3,900.54	1/2	3,537.75	1/2	3,174.95	1/2	2,812.16
3/4		3/4		3/4		3/4	4,961.61	3/4	4,616.58	3/4	4,255.78	3/4	3,892.98	3/4	3,530.19	3/4	3,167.40	3/4	2,804.60
7		7		7		7	4,954.60	7	4,609.19	7	4,248.22	7	3,885.42	7	3,522.63	7	3,159.84	7	2,797.04
1/4		1/4		1/4		1/4	4,947.60	1/4	4,601.79	1/4	4,240.66	1/4	3,877.87	1/4	3,515.07	1/4	3,152.28	1/4	2,789.49
1/2		1/2		1/2		1/2	5,250.43	1/2	4,940.59	1/2	4,594.40	1/2	4,233.10	1/2	3,870.31	1/2	3,507.51	1/2	3,144.72
3/4		3/4		3/4		3/4	5,246.09	3/4	4,933.55	3/4	4,586.98	3/4	4,225.54	3/4	3,862.75	3/4	3,499.96	3/4	3,137.16
8		8		8		8	5,241.76	8	4,926.52	8	4,579.55	8	4,217.99	8	3,855.19	8	3,492.40	8	3,129.60
1/4		1/4		1/4		1/4	5,237.42	1/4	4,919.48	1/4	4,572.13	1/4	4,210.43	1/4	3,847.63	1/4	3,484.84	1/4	3,122.05
1/2		1/2		1/2		1/2	5,233.08	1/2	4,912.45	1/2	4,564.70	1/2	4,202.87	1/2	3,840.08	1/2	3,477.28	1/2	3,114.49
3/4		3/4		3/4		3/4	5,227.51	3/4	4,905.38	3/4	4,557.25	3/4	4,195.31	3/4	3,832.52	3/4	3,469.72	3/4	3,106.93
9		9		9		9	5,221.94	9	4,898.32	9	4,549.80	9	4,187.75	9	3,824.96	9	3,462.17	9	3,099.37
1/4		1/4		1/4		1/4	5,216.37	1/4	4,891.25	1/4	4,542.34	1/4	4,180.19	1/4	3,817.40	1/4	3,454.61	1/4	3,091.81
1/2		1/2		1/2		1/2	5,210.80	1/2	4,884.18	1/2	4,534.89	1/2	4,172.64	1/2	3,809.84	1/2	3,447.05	1/2	3,084.26
3/4		3/4		3/4		3/4	5,204.77	3/4	4,877.09	3/4	4,527.41	3/4	4,165.08	3/4	3,802.28	3/4	3,439.49	3/4	3,076.70
10		10		10		10	5,198.73	10	4,869.99	10	4,519.92	10	4,157.52	10	3,794.73	10	3,431.93	10	3,069.14
1/4		1/4		1/4		1/4	5,192.70	1/4	4,862.90	1/4	4,512.44	1/4	4,149.96	1/4	3,787.17	1/4	3,424.37	1/4	3,061.58
1/2		1/2		1/2		1/2	5,186.66	1/2	4,855.80	1/2	4,504.96	1/2	4,142.40	1/2	3,779.61	1/2	3,416.82	1/2	3,054.02
3/4		3/4		3/4		3/4	5,180.00	3/4	4,848.68	3/4	4,497.44	3/4	4,134.84	3/4	3,772.05	3/4	3,409.26	3/4	3,046.46
11		11		11		11	5,173.34	11	4,841.55	11	4,489.93	11	4,127.29	11	3,764.49	11	3,401.70	11	3,038.91
1/4		1/4		1/4		1/4	5,166.68	1/4	4,834.43	1/4	4,482.42	1/4	4,119.73	1/4	3,756.93	1/4	3,394.14	1/4	3,031.35
1/2		1/2		1/2		1/2	5,160.02	1/2	4,827.30	1/2	4,474.90	1/2	4,112.17	1/2	3,749.38	1/2	3,386.58	1/2	3,023.79
3/4		3/4		3/4		3/4	5,153.30	3/4	4,820.15	3/4	4,467.36	3/4	4,104.61	3/4	3,741.82	3/4	3,379.02	3/4	3,016.23

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 GAUGING DEVICE".
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 29078"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 311"

GAUGE HEIGHT 17'-03 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	2,635.80	1/4	2,272.96	1/4	1,910.13	1/4	1,547.29	1/4	1,184.97	1/4	824.00	1/4	461.18	1/4	98.51	1/4		1/4	
1/2	2,628.24	1/2	2,265.40	1/2	1,902.57	1/2	1,539.73	1/2	1,177.47	1/2	816.45	1/2	453.62	1/2	90.99	1/2		1/2	
3/4	2,620.68	3/4	2,257.84	3/4	1,895.01	3/4	1,532.17	3/4	1,169.96	3/4	808.89	3/4	446.06	3/4	84.06	3/4		3/4	
1	2,613.12	1	2,250.29	1	1,887.45	1	1,524.61	1	1,162.45	1	801.33	1	438.51	1	77.14	1		1	
1/4	2,605.56	1/4	2,242.73	1/4	1,879.89	1/4	1,517.05	1/4	1,154.94	1/4	793.77	1/4	430.95	1/4	70.21	1/4		1/4	
1/2	2,598.00	1/2	2,235.17	1/2	1,872.33	1/2	1,509.49	1/2	1,147.44	1/2	786.21	1/2	423.39	1/2	63.28	1/2		1/2	
3/4	2,590.44	3/4	2,227.61	3/4	1,864.77	3/4	1,501.93	3/4	1,139.93	3/4	778.65	3/4	415.83	3/4	57.61	3/4		3/4	
2	2,582.89	2	2,220.05	2	1,857.21	2	1,494.38	2	1,132.42	2	771.09	2	408.27	2	51.95	2		2	
1/4	2,575.33	1/4	2,212.49	1/4	1,849.65	1/4	1,486.82	1/4	1,124.91	1/4	763.53	1/4	400.71	1/4	46.28	1/4		1/4	
1/2	2,567.77	1/2	2,204.93	1/2	1,842.09	1/2	1,479.26	1/2	1,117.41	1/2	755.98	1/2	393.15	1/2	40.61	1/2		1/2	
3/4	2,560.21	3/4	2,197.37	3/4	1,834.53	3/4	1,471.70	3/4	1,109.90	3/4	748.42	3/4	385.59	3/4	36.20	3/4		3/4	
3	2,552.65	3	2,189.81	3	1,826.98	3	1,464.14	3	1,102.39	3	740.86	3	378.04	3	31.79	3		3	
1/4	2,545.09	1/4	2,182.25	1/4	1,819.42	1/4	1,456.58	1/4	1,094.89	1/4	733.30	1/4	370.48	1/4	27.38	1/4		1/4	
1/2	2,537.53	1/2	2,174.69	1/2	1,811.86	1/2	1,449.02	1/2	1,087.38	1/2	725.74	1/2	362.92	1/2	22.98	1/2		1/2	
3/4	2,529.97	3/4	2,167.13	3/4	1,804.30	3/4	1,441.46	3/4	1,079.87	3/4	718.18	3/4	355.36	3/4		3/4		3/4	
4	2,522.41	4	2,159.58	4	1,796.74	4	1,433.90	4	1,072.36	4	710.62	4	347.80	4		4		4	
1/4	2,514.85	1/4	2,152.02	1/4	1,789.18	1/4	1,426.34	1/4	1,064.86	1/4	703.06	1/4	340.24	1/4		1/4		1/4	
1/2	2,507.29	1/2	2,144.46	1/2	1,781.62	1/2	1,418.78	1/2	1,057.35	1/2	695.50	1/2	332.68	1/2		1/2		1/2	
3/4	2,499.74	3/4	2,136.90	3/4	1,774.06	3/4	1,411.22	3/4	1,049.84	3/4	687.95	3/4	325.12	3/4		3/4		3/4	
5	2,492.18	5	2,129.34	5	1,766.50	5	1,403.67	5	1,042.33	5	680.39	5	317.56	5		5		5	
1/4	2,484.62	1/4	2,121.78	1/4	1,758.94	1/4	1,396.11	1/4	1,034.83	1/4	672.83	1/4	310.01	1/4		1/4		1/4	
1/2	2,477.06	1/2	2,114.22	1/2	1,751.38	1/2	1,388.55	1/2	1,027.32	1/2	665.27	1/2	302.45	1/2		1/2		1/2	
3/4	2,469.50	3/4	2,106.66	3/4	1,743.83	3/4	1,380.99	3/4	1,019.81	3/4	657.71	3/4	294.89	3/4		3/4		3/4	
6	2,461.94	6	2,099.10	6	1,736.27	6	1,373.43	6	1,012.31	6	650.15	6	287.33	6		6		6	
1/4	2,454.38	1/4	2,091.54	1/4	1,728.71	1/4	1,365.87	1/4	1,004.80	1/4	642.59	1/4	279.77	1/4		1/4		1/4	
1/2	2,446.82	1/2	2,083.98	1/2	1,721.15	1/2	1,358.31	1/2	997.29	1/2	635.03	1/2	272.21	1/2		1/2		1/2	
3/4	2,439.26	3/4	2,076.43	3/4	1,713.59	3/4	1,350.75	3/4	989.78	3/4	627.48	3/4	264.65	3/4		3/4		3/4	
7	2,431.70	7	2,068.87	7	1,706.03	7	1,343.19	7	982.28	7	619.92	7	257.09	7		7		7	
1/4	2,424.14	1/4	2,061.31	1/4	1,698.47	1/4	1,335.63	1/4	974.77	1/4	612.36	1/4	249.54	1/4		1/4		1/4	
1/2	2,416.59	1/2	2,053.75	1/2	1,690.91	1/2	1,328.07	1/2	967.26	1/2	604.80	1/2	241.98	1/2		1/2		1/2	
3/4	2,409.03	3/4	2,046.19	3/4	1,683.35	3/4	1,320.52	3/4	959.75	3/4	597.24	3/4	234.42	3/4		3/4		3/4	
8	2,401.47	8	2,038.63	8	1,675.79	8	1,312.96	8	952.25	8	589.68	8	226.86	8		8		8	
1/4	2,393.91	1/4	2,031.07	1/4	1,668.23	1/4	1,305.40	1/4	944.74	1/4	582.12	1/4	219.30	1/4		1/4		1/4	
1/2	2,386.35	1/2	2,023.51	1/2	1,660.68	1/2	1,297.84	1/2	937.23	1/2	574.56	1/2	211.74	1/2		1/2		1/2	
3/4	2,378.79	3/4	2,015.95	3/4	1,653.12	3/4	1,290.28	3/4	929.71	3/4	567.01	3/4	204.18	3/4		3/4		3/4	
9	2,371.23	9	2,008.39	9	1,645.56	9	1,282.72	9	922.19	9	559.45	9	196.62	9		9		9	
1/4	2,363.67	1/4	2,000.83	1/4	1,638.00	1/4	1,275.16	1/4	914.67	1/4	551.89	1/4	189.07	1/4		1/4		1/4	
1/2	2,356.11	1/2	1,993.28	1/2	1,630.44	1/2	1,267.60	1/2	907.15	1/2	544.33	1/2	181.51	1/2		1/2		1/2	
3/4	2,348.55	3/4	1,985.72	3/4	1,622.88	3/4	1,260.08	3/4	899.59	3/4	536.77	3/4	173.95	3/4		3/4		3/4	
10	2,340.99	10	1,978.16	10	1,615.32	10	1,252.56	10	892.03	10	529.21	10	166.39	10		10		10	
1/4	2,333.44	1/4	1,970.60	1/4	1,607.76	1/4	1,245.04	1/4	884.47	1/4	521.65	1/4	158.83	1/4		1/4		1/4	
1/2	2,325.88	1/2	1,963.04	1/2	1,600.20	1/2	1,237.52	1/2	876.92	1/2	514.09	1/2	151.28	1/2		1/2		1/2	
3/4	2,318.32	3/4	1,955.48	3/4	1,592.64	3/4	1,230.02	3/4	869.36	3/4	506.53	3/4	143.73	3/4		3/4		3/4	
11	2,310.76	11	1,947.92	11	1,585.08	11	1,222.51	11	861.80	11	498.98	11	136.18	11		11		11	
1/4	2,303.20	1/4	1,940.36	1/4	1,577.53	1/4	1,215.00	1/4	854.24	1/4	491.42	1/4	128.63	1/4		1/4		1/4	
1/2	2,295.64	1/2	1,932.80	1/2	1,569.97	1/2	1,207.50	1/2	846.68	1/2	483.86	1/2	121.08	1/2		1/2		1/2	
3/4	2,288.08	3/4	1,925.24	3/4	1,562.41	3/4	1,199.99	3/4	839.12	3/4	476.30	3/4	113.56	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/16/2013 SW
 NAME CHANGE: 09/28/2023 JS
 VERIFIED: 09/28/2023 JS

CANCELS AND SUPERCEDES
 ALL PRIOR TO 09/2023

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



BARGE "KIRBY 29078"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 311"

GAUGE HEIGHT 17'-03"

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		0		0		0		0		0	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1		1		1		1		1		1		1		1		1		1	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2		2		2		2		2		2		2		2		2		2	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3		3		3		3		3		3		3		3		3		3	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4		4		4		4		4		4		4		4		4		4	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5		5		5		5		5		5		5		5		5		5	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6		6		6		6		6		6		6		6		6		6	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7		7		7		7		7		7		7		7		7		7	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8		8		8		8		8		8		8		8		8		8	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9		9		9		9		9		9		9		9		9		9	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10		10		10		10		10		10		10		10		10		10	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC GAUGING DEVICE".
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-00" 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 29078"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 311"

GAUGE HEIGHT 17'-03"

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	2,620.05	0	2,258.60	0	1,897.16	0	1,535.71	0	1,174.37	0	813.32	0	451.88	0	90.64	0		0	
1/4	2,612.52	1/4	2,251.07	1/4	1,889.63	1/4	1,528.18	1/4	1,166.85	1/4	805.79	1/4	444.35	1/4	83.74	1/4		1/4	
1/2	2,604.99	1/2	2,243.54	1/2	1,882.10	1/2	1,520.65	1/2	1,159.33	1/2	798.26	1/2	436.82	1/2	76.84	1/2		1/2	
3/4	2,597.46	3/4	2,236.01	3/4	1,874.57	3/4	1,513.12	3/4	1,151.81	3/4	790.73	3/4	429.29	3/4	69.94	3/4		3/4	
1	2,589.93	1	2,228.48	1	1,867.04	1	1,505.59	1	1,144.29	1	783.20	1	421.76	1	63.04	1		1	
1/4	2,582.40	1/4	2,220.95	1/4	1,859.51	1/4	1,498.06	1/4	1,136.78	1/4	775.67	1/4	414.23	1/4	57.39	1/4		1/4	
1/2	2,574.87	1/2	2,213.42	1/2	1,851.98	1/2	1,490.53	1/2	1,129.26	1/2	768.14	1/2	406.70	1/2	51.74	1/2		1/2	
3/4	2,567.34	3/4	2,205.89	3/4	1,844.45	3/4	1,483.00	3/4	1,121.74	3/4	760.61	3/4	399.17	3/4	46.10	3/4		3/4	
2	2,559.81	2	2,198.36	2	1,836.92	2	1,475.47	2	1,114.22	2	753.08	2	391.64	2	40.45	2		2	
1/4	2,552.28	1/4	2,190.83	1/4	1,829.39	1/4	1,467.94	1/4	1,106.71	1/4	745.55	1/4	384.11	1/4	36.06	1/4		1/4	
1/2	2,544.75	1/2	2,183.30	1/2	1,821.86	1/2	1,460.41	1/2	1,099.19	1/2	738.02	1/2	376.58	1/2	31.67	1/2		1/2	
3/4	2,537.22	3/4	2,175.77	3/4	1,814.33	3/4	1,452.88	3/4	1,091.67	3/4	730.49	3/4	369.05	3/4	27.28	3/4		3/4	
3	2,529.69	3	2,168.24	3	1,806.80	3	1,445.35	3	1,084.15	3	722.96	3	361.52	3	22.89	3		3	
1/4	2,522.16	1/4	2,160.71	1/4	1,799.27	1/4	1,437.82	1/4	1,076.63	1/4	715.43	1/4	353.99	1/4		1/4		1/4	
1/2	2,514.63	1/2	2,153.18	1/2	1,791.74	1/2	1,430.29	1/2	1,069.12	1/2	707.90	1/2	346.46	1/2		1/2		1/2	
3/4	2,507.10	3/4	2,145.65	3/4	1,784.21	3/4	1,422.76	3/4	1,061.60	3/4	700.37	3/4	338.93	3/4		3/4		3/4	
4	2,499.57	4	2,138.12	4	1,776.68	4	1,415.23	4	1,054.08	4	692.84	4	331.40	4		4		4	
1/4	2,492.04	1/4	2,130.59	1/4	1,769.15	1/4	1,407.70	1/4	1,046.56	1/4	685.31	1/4	323.87	1/4		1/4		1/4	
1/2	2,484.51	1/2	2,123.06	1/2	1,761.62	1/2	1,400.17	1/2	1,039.05	1/2	677.78	1/2	316.34	1/2		1/2		1/2	
3/4	2,476.97	3/4	2,115.53	3/4	1,754.09	3/4	1,392.64	3/4	1,031.53	3/4	670.25	3/4	308.81	3/4		3/4		3/4	
5	2,469.44	5	2,108.00	5	1,746.56	5	1,385.11	5	1,024.01	5	662.72	5	301.28	5		5		5	
1/4	2,461.91	1/4	2,100.47	1/4	1,739.03	1/4	1,377.58	1/4	1,016.49	1/4	655.19	1/4	293.75	1/4		1/4		1/4	
1/2	2,454.38	1/2	2,092.94	1/2	1,731.50	1/2	1,370.05	1/2	1,008.97	1/2	647.66	1/2	286.23	1/2		1/2		1/2	
3/4	2,446.85	3/4	2,085.41	3/4	1,723.96	3/4	1,362.52	3/4	1,001.46	3/4	640.13	3/4	278.70	3/4		3/4		3/4	
6	2,439.32	6	2,077.88	6	1,716.43	6	1,354.99	6	993.94	6	632.60	6	271.17	6		6		6	
1/4	2,431.79	1/4	2,070.35	1/4	1,708.90	1/4	1,347.46	1/4	986.42	1/4	625.07	1/4	263.64	1/4		1/4		1/4	
1/2	2,424.26	1/2	2,062.82	1/2	1,701.37	1/2	1,339.93	1/2	978.90	1/2	617.54	1/2	256.11	1/2		1/2		1/2	
3/4	2,416.73	3/4	2,055.29	3/4	1,693.84	3/4	1,332.40	3/4	971.39	3/4	610.01	3/4	248.58	3/4		3/4		3/4	
7	2,409.20	7	2,047.76	7	1,686.31	7	1,324.87	7	963.87	7	602.48	7	241.05	7		7		7	
1/4	2,401.67	1/4	2,040.23	1/4	1,678.78	1/4	1,317.34	1/4	956.35	1/4	594.95	1/4	233.52	1/4		1/4		1/4	
1/2	2,394.14	1/2	2,032.70	1/2	1,671.25	1/2	1,309.81	1/2	948.83	1/2	587.42	1/2	225.99	1/2		1/2		1/2	
3/4	2,386.61	3/4	2,025.17	3/4	1,663.72	3/4	1,302.28	3/4	941.31	3/4	579.89	3/4	218.46	3/4		3/4		3/4	
8	2,379.08	8	2,017.64	8	1,656.19	8	1,294.75	8	933.80	8	572.36	8	210.93	8		8		8	
1/4	2,371.55	1/4	2,010.11	1/4	1,648.66	1/4	1,287.22	1/4	926.27	1/4	564.83	1/4	203.40	1/4		1/4		1/4	
1/2	2,364.02	1/2	2,002.58	1/2	1,641.13	1/2	1,279.69	1/2	918.74	1/2	557.30	1/2	195.87	1/2		1/2		1/2	
3/4	2,356.49	3/4	1,995.05	3/4	1,633.60	3/4	1,272.16	3/4	911.21	3/4	549.77	3/4	188.34	3/4		3/4		3/4	
9	2,348.96	9	1,987.52	9	1,626.07	9	1,264.63	9	903.68	9	542.24	9	180.81	9		9		9	
1/4	2,341.43	1/4	1,979.99	1/4	1,618.54	1/4	1,257.10	1/4	896.15	1/4	534.71	1/4	173.28	1/4		1/4		1/4	
1/2	2,333.90	1/2	1,972.46	1/2	1,611.01	1/2	1,249.57	1/2	888.62	1/2	527.18	1/2	165.75	1/2		1/2		1/2	
3/4	2,326.37	3/4	1,964.93	3/4	1,603.48	3/4	1,242.04	3/4	881.09	3/4	519.65	3/4	158.22	3/4		3/4		3/4	
10	2,318.84	10	1,957.40	10	1,595.95	10	1,234.51	10	873.56	10	512.12	10	150.69	10		10		10	
1/4	2,311.31	1/4	1,949.87	1/4	1,588.42	1/4	1,226.99	1/4	866.03	1/4	504.59	1/4	143.17	1/4		1/4		1/4	
1/2	2,303.78	1/2	1,942.34	1/2	1,580.89	1/2	1,219.47	1/2	858.50	1/2	497.06	1/2	135.65	1/2		1/2		1/2	
3/4	2,296.25	3/4	1,934.81	3/4	1,573.36	3/4	1,211.96	3/4	850.97	3/4	489.53	3/4	128.13	3/4		3/4		3/4	
11	2,288.72	11	1,927.28	11	1,565.83	11	1,204.44	11	843.44	11	482.00	11	120.61	11		11		11	
1/4	2,281.19	1/4	1,919.75	1/4	1,558.30	1/4	1,196.92	1/4	835.91	1/4	474.47	1/4	113.12	1/4		1/4		1/4	
1/2	2,273.66	1/2	1,912.22	1/2	1,550.77	1/2	1,189.40	1/2	828.38	1/2	466.94	1/2	105.63	1/2		1/2		1/2	
3/4	2,266.13	3/4	1,904.69	3/4	1,543.24	3/4	1,181.88	3/4	820.85	3/4	459.41	3/4	98.13	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/16/2013 SW
NAME CHANGE: 09/28/2023 JS
VERIFIED: 09/28/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

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



BARGE "KIRBY 29078"

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 311"

GAUGE HEIGHT 17'-03 1/4"

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		0		0		0		0		0
	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4
	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2
	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4
	1		1		1		1		1		1		1		1		1		1
	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4
	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2
	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4
	2		2		2		2		2		2		2		2		2		2
	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4
	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2
	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4
	3		3		3		3		3		3		3		3		3		3
	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4
	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2
	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4
	4		4		4		4		4		4		4		4		4		4
	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4
	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2
	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4
	5		5		5		5		5		5		5		5		5		5
	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4
	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2
	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4
	6		6		6		6		6		6		6		6		6		6
	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4
	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2
	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4
	7		7		7		7		7		7		7		7		7		7
	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4
	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2
	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4
	8		8		8		8		8		8		8		8		8		8
	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4
	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2
	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4
	9		9		9		9		9		9		9		9		9		9
	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4
	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2
	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4
	10		10		10		10		10		10		10		10		10		10
	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4
	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2
	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4
	11		11		11		11		11		11		11		11		11		11
	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4
	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2
	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC GAUGING DEVICE".
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "KIRBY 29078"

3 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 311"

GAUGE HEIGHT 17'-03 1/2"

Table with columns for height (0 FT. to 9 FT.) and corresponding capacity values. Includes sub-columns for intermediate heights like 1/4, 1/2, 3/4.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC GAUGING DEVICE".
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

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BARGE "KIRBY 29078"

PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY: HBC 311

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	956	0	1,912	0	2,866	0	3,774	0	4,619	0		0		0		0	
1/4	20	1/4	976	1/4	1,932	1/4	2,885	1/4	3,793	1/4	4,635	1/4		1/4		1/4		1/4	
1/2	40	1/2	996	1/2	1,952	1/2	2,905	1/2	3,811	1/2	4,652	1/2		1/2		1/2		1/2	
3/4	60	3/4	1,016	3/4	1,972	3/4	2,924	3/4	3,829	3/4	4,669	3/4		3/4		3/4		3/4	
1	80	1	1,036	1	1,991	1	2,944	1	3,847	1	4,686	1		1		1		1	
1/4	100	1/4	1,055	1/4	2,011	1/4	2,963	1/4	3,865	1/4		1/4		1/4		1/4		1/4	
1/2	119	1/2	1,075	1/2	2,031	1/2	2,983	1/2	3,884	1/2		1/2		1/2		1/2		1/2	
3/4	139	3/4	1,095	3/4	2,051	3/4	3,002	3/4	3,902	3/4		3/4		3/4		3/4		3/4	
2	159	2	1,115	2	2,071	2	3,022	2	3,920	2		2		2		2		2	
1/4	179	1/4	1,135	1/4	2,091	1/4	3,041	1/4	3,938	1/4		1/4		1/4		1/4		1/4	
1/2	199	1/2	1,155	1/2	2,111	1/2	3,060	1/2	3,956	1/2		1/2		1/2		1/2		1/2	
3/4	219	3/4	1,175	3/4	2,131	3/4	3,080	3/4	3,974	3/4		3/4		3/4		3/4		3/4	
3	239	3	1,195	3	2,151	3	3,099	3	3,992	3		3		3		3		3	
1/4	259	1/4	1,215	1/4	2,171	1/4	3,118	1/4	4,010	1/4		1/4		1/4		1/4		1/4	
1/2	279	1/2	1,235	1/2	2,191	1/2	3,137	1/2	4,028	1/2		1/2		1/2		1/2		1/2	
3/4	299	3/4	1,255	3/4	2,211	3/4	3,156	3/4	4,046	3/4		3/4		3/4		3/4		3/4	
4	319	4	1,275	4	2,230	4	3,176	4	4,063	4		4		4		4		4	
1/4	339	1/4	1,294	1/4	2,250	1/4	3,195	1/4	4,081	1/4		1/4		1/4		1/4		1/4	
1/2	358	1/2	1,314	1/2	2,270	1/2	3,214	1/2	4,099	1/2		1/2		1/2		1/2		1/2	
3/4	378	3/4	1,334	3/4	2,290	3/4	3,233	3/4	4,117	3/4		3/4		3/4		3/4		3/4	
5	398	5	1,354	5	2,310	5	3,252	5	4,135	5		5		5		5		5	
1/4	418	1/4	1,374	1/4	2,330	1/4	3,271	1/4	4,152	1/4		1/4		1/4		1/4		1/4	
1/2	438	1/2	1,394	1/2	2,350	1/2	3,290	1/2	4,170	1/2		1/2		1/2		1/2		1/2	
3/4	458	3/4	1,414	3/4	2,370	3/4	3,309	3/4	4,188	3/4		3/4		3/4		3/4		3/4	
6	478	6	1,434	6	2,390	6	3,328	6	4,205	6		6		6		6		6	
1/4	498	1/4	1,454	1/4	2,410	1/4	3,347	1/4	4,223	1/4		1/4		1/4		1/4		1/4	
1/2	518	1/2	1,474	1/2	2,430	1/2	3,366	1/2	4,240	1/2		1/2		1/2		1/2		1/2	
3/4	538	3/4	1,494	3/4	2,450	3/4	3,385	3/4	4,258	3/4		3/4		3/4		3/4		3/4	
7	558	7	1,514	7	2,469	7	3,403	7	4,276	7		7		7		7		7	
1/4	578	1/4	1,533	1/4	2,489	1/4	3,422	1/4	4,293	1/4		1/4		1/4		1/4		1/4	
1/2	597	1/2	1,553	1/2	2,509	1/2	3,441	1/2	4,310	1/2		1/2		1/2		1/2		1/2	
3/4	617	3/4	1,573	3/4	2,529	3/4	3,460	3/4	4,328	3/4		3/4		3/4		3/4		3/4	
8	637	8	1,593	8	2,549	8	3,479	8	4,345	8		8		8		8		8	
1/4	657	1/4	1,613	1/4	2,569	1/4	3,497	1/4	4,363	1/4		1/4		1/4		1/4		1/4	
1/2	677	1/2	1,633	1/2	2,589	1/2	3,516	1/2	4,380	1/2		1/2		1/2		1/2		1/2	
3/4	697	3/4	1,653	3/4	2,609	3/4	3,535	3/4	4,397	3/4		3/4		3/4		3/4		3/4	
9	717	9	1,673	9	2,629	9	3,553	9	4,415	9		9		9		9		9	
1/4	737	1/4	1,693	1/4	2,649	1/4	3,572	1/4	4,432	1/4		1/4		1/4		1/4		1/4	
1/2	757	1/2	1,713	1/2	2,668	1/2	3,590	1/2	4,449	1/2		1/2		1/2		1/2		1/2	
3/4	777	3/4	1,733	3/4	2,688	3/4	3,609	3/4	4,466	3/4		3/4		3/4		3/4		3/4	
10	797	10	1,752	10	2,708	10	3,627	10	4,483	10		10		10		10		10	
1/4	817	1/4	1,772	1/4	2,728	1/4	3,646	1/4	4,500	1/4		1/4		1/4		1/4		1/4	
1/2	836	1/2	1,792	1/2	2,748	1/2	3,664	1/2	4,517	1/2		1/2		1/2		1/2		1/2	
3/4	856	3/4	1,812	3/4	2,767	3/4	3,683	3/4	4,534	3/4		3/4		3/4		3/4		3/4	
11	876	11	1,832	11	2,787	11	3,701	11	4,551	11		11		11		11		11	
1/4	896	1/4	1,852	1/4	2,807	1/4	3,719	1/4	4,568	1/4		1/4		1/4		1/4		1/4	
1/2	916	1/2	1,872	1/2	2,826	1/2	3,738	1/2	4,585	1/2		1/2		1/2		1/2		1/2	
3/4	936	3/4	1,892	3/4	2,846	3/4	3,756	3/4	4,602	3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES

STRAPPED: 09/28/2023 JS
CALCULATED: 10/03/2023 CL
PRINTED: 10/03/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "KIRBY 29078"

STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY: HBC 311

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	956	0	1,912	0	2,866	0	3,774	0	4,619	0		0		0		0	
1/4	20	1/4	976	1/4	1,932	1/4	2,885	1/4	3,793	1/4	4,635	1/4		1/4		1/4		1/4	
1/2	40	1/2	996	1/2	1,952	1/2	2,905	1/2	3,811	1/2	4,652	1/2		1/2		1/2		1/2	
3/4	60	3/4	1,016	3/4	1,972	3/4	2,924	3/4	3,829	3/4	4,669	3/4		3/4		3/4		3/4	
1	80	1	1,036	1	1,991	1	2,944	1	3,847	1	4,686	1		1		1		1	
1/4	100	1/4	1,055	1/4	2,011	1/4	2,963	1/4	3,865	1/4		1/4		1/4		1/4		1/4	
1/2	119	1/2	1,075	1/2	2,031	1/2	2,983	1/2	3,884	1/2		1/2		1/2		1/2		1/2	
3/4	139	3/4	1,095	3/4	2,051	3/4	3,002	3/4	3,902	3/4		3/4		3/4		3/4		3/4	
2	159	2	1,115	2	2,071	2	3,022	2	3,920	2		2		2		2		2	
1/4	179	1/4	1,135	1/4	2,091	1/4	3,041	1/4	3,938	1/4		1/4		1/4		1/4		1/4	
1/2	199	1/2	1,155	1/2	2,111	1/2	3,060	1/2	3,956	1/2		1/2		1/2		1/2		1/2	
3/4	219	3/4	1,175	3/4	2,131	3/4	3,080	3/4	3,974	3/4		3/4		3/4		3/4		3/4	
3	239	3	1,195	3	2,151	3	3,099	3	3,992	3		3		3		3		3	
1/4	259	1/4	1,215	1/4	2,171	1/4	3,118	1/4	4,010	1/4		1/4		1/4		1/4		1/4	
1/2	279	1/2	1,235	1/2	2,191	1/2	3,137	1/2	4,028	1/2		1/2		1/2		1/2		1/2	
3/4	299	3/4	1,255	3/4	2,211	3/4	3,156	3/4	4,046	3/4		3/4		3/4		3/4		3/4	
4	319	4	1,275	4	2,230	4	3,176	4	4,063	4		4		4		4		4	
1/4	339	1/4	1,294	1/4	2,250	1/4	3,195	1/4	4,081	1/4		1/4		1/4		1/4		1/4	
1/2	358	1/2	1,314	1/2	2,270	1/2	3,214	1/2	4,099	1/2		1/2		1/2		1/2		1/2	
3/4	378	3/4	1,334	3/4	2,290	3/4	3,233	3/4	4,117	3/4		3/4		3/4		3/4		3/4	
5	398	5	1,354	5	2,310	5	3,252	5	4,135	5		5		5		5		5	
1/4	418	1/4	1,374	1/4	2,330	1/4	3,271	1/4	4,152	1/4		1/4		1/4		1/4		1/4	
1/2	438	1/2	1,394	1/2	2,350	1/2	3,290	1/2	4,170	1/2		1/2		1/2		1/2		1/2	
3/4	458	3/4	1,414	3/4	2,370	3/4	3,309	3/4	4,188	3/4		3/4		3/4		3/4		3/4	
6	478	6	1,434	6	2,390	6	3,328	6	4,205	6		6		6		6		6	
1/4	498	1/4	1,454	1/4	2,410	1/4	3,347	1/4	4,223	1/4		1/4		1/4		1/4		1/4	
1/2	518	1/2	1,474	1/2	2,430	1/2	3,366	1/2	4,240	1/2		1/2		1/2		1/2		1/2	
3/4	538	3/4	1,494	3/4	2,450	3/4	3,385	3/4	4,258	3/4		3/4		3/4		3/4		3/4	
7	558	7	1,514	7	2,469	7	3,403	7	4,276	7		7		7		7		7	
1/4	578	1/4	1,533	1/4	2,489	1/4	3,422	1/4	4,293	1/4		1/4		1/4		1/4		1/4	
1/2	597	1/2	1,553	1/2	2,509	1/2	3,441	1/2	4,310	1/2		1/2		1/2		1/2		1/2	
3/4	617	3/4	1,573	3/4	2,529	3/4	3,460	3/4	4,328	3/4		3/4		3/4		3/4		3/4	
8	637	8	1,593	8	2,549	8	3,479	8	4,345	8		8		8		8		8	
1/4	657	1/4	1,613	1/4	2,569	1/4	3,497	1/4	4,363	1/4		1/4		1/4		1/4		1/4	
1/2	677	1/2	1,633	1/2	2,589	1/2	3,516	1/2	4,380	1/2		1/2		1/2		1/2		1/2	
3/4	697	3/4	1,653	3/4	2,609	3/4	3,535	3/4	4,397	3/4		3/4		3/4		3/4		3/4	
9	717	9	1,673	9	2,629	9	3,553	9	4,415	9		9		9		9		9	
1/4	737	1/4	1,693	1/4	2,649	1/4	3,572	1/4	4,432	1/4		1/4		1/4		1/4		1/4	
1/2	757	1/2	1,713	1/2	2,668	1/2	3,590	1/2	4,449	1/2		1/2		1/2		1/2		1/2	
3/4	777	3/4	1,733	3/4	2,688	3/4	3,609	3/4	4,466	3/4		3/4		3/4		3/4		3/4	
10	797	10	1,752	10	2,708	10	3,627	10	4,483	10		10		10		10		10	
1/4	817	1/4	1,772	1/4	2,728	1/4	3,646	1/4	4,500	1/4		1/4		1/4		1/4		1/4	
1/2	836	1/2	1,792	1/2	2,748	1/2	3,664	1/2	4,517	1/2		1/2		1/2		1/2		1/2	
3/4	856	3/4	1,812	3/4	2,767	3/4	3,683	3/4	4,534	3/4		3/4		3/4		3/4		3/4	
11	876	11	1,832	11	2,787	11	3,701	11	4,551	11		11		11		11		11	
1/4	896	1/4	1,852	1/4	2,807	1/4	3,719	1/4	4,568	1/4		1/4		1/4		1/4		1/4	
1/2	916	1/2	1,872	1/2	2,826	1/2	3,738	1/2	4,585	1/2		1/2		1/2		1/2		1/2	
3/4	936	3/4	1,892	3/4	2,846	3/4	3,756	3/4	4,602	3/4		3/4		3/4		3/4		3/4	

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 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES

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



BARGE "KIRBY 29078"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY: HBC 311

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	387	0	774	0	1,160	0	1,547	0	1,934	0		0		0		0	
1/4	8	1/4	395	1/4	782	1/4	1,168	1/4	1,555	1/4	1,942	1/4		1/4		1/4		1/4	
1/2	16	1/2	403	1/2	790	1/2	1,176	1/2	1,563	1/2	1,950	1/2		1/2		1/2		1/2	
3/4	24	3/4	411	3/4	798	3/4	1,185	3/4	1,571	3/4	1,958	3/4		3/4		3/4		3/4	
1	32	1	419	1	806	1	1,193	1	1,579	1	1,966	1		1		1		1	
1/4	40	1/4	427	1/4	814	1/4	1,201	1/4	1,587	1/4		1/4		1/4		1/4		1/4	
1/2	48	1/2	435	1/2	822	1/2	1,209	1/2	1,596	1/2		1/2		1/2		1/2		1/2	
3/4	56	3/4	443	3/4	830	3/4	1,217	3/4	1,604	3/4		3/4		3/4		3/4		3/4	
2	64	2	451	2	838	2	1,225	2	1,612	2		2		2		2		2	
1/4	73	1/4	459	1/4	846	1/4	1,233	1/4	1,620	1/4		1/4		1/4		1/4		1/4	
1/2	81	1/2	467	1/2	854	1/2	1,241	1/2	1,628	1/2		1/2		1/2		1/2		1/2	
3/4	89	3/4	475	3/4	862	3/4	1,249	3/4	1,636	3/4		3/4		3/4		3/4		3/4	
3	97	3	483	3	870	3	1,257	3	1,644	3		3		3		3		3	
1/4	105	1/4	492	1/4	878	1/4	1,265	1/4	1,652	1/4		1/4		1/4		1/4		1/4	
1/2	113	1/2	500	1/2	886	1/2	1,273	1/2	1,660	1/2		1/2		1/2		1/2		1/2	
3/4	121	3/4	508	3/4	894	3/4	1,281	3/4	1,668	3/4		3/4		3/4		3/4		3/4	
4	129	4	516	4	903	4	1,289	4	1,676	4		4		4		4		4	
1/4	137	1/4	524	1/4	911	1/4	1,297	1/4	1,684	1/4		1/4		1/4		1/4		1/4	
1/2	145	1/2	532	1/2	919	1/2	1,305	1/2	1,692	1/2		1/2		1/2		1/2		1/2	
3/4	153	3/4	540	3/4	927	3/4	1,313	3/4	1,700	3/4		3/4		3/4		3/4		3/4	
5	161	5	548	5	935	5	1,322	5	1,708	5		5		5		5		5	
1/4	169	1/4	556	1/4	943	1/4	1,330	1/4	1,716	1/4		1/4		1/4		1/4		1/4	
1/2	177	1/2	564	1/2	951	1/2	1,338	1/2	1,724	1/2		1/2		1/2		1/2		1/2	
3/4	185	3/4	572	3/4	959	3/4	1,346	3/4	1,733	3/4		3/4		3/4		3/4		3/4	
6	193	6	580	6	967	6	1,354	6	1,741	6		6		6		6		6	
1/4	201	1/4	588	1/4	975	1/4	1,362	1/4	1,749	1/4		1/4		1/4		1/4		1/4	
1/2	210	1/2	596	1/2	983	1/2	1,370	1/2	1,757	1/2		1/2		1/2		1/2		1/2	
3/4	218	3/4	604	3/4	991	3/4	1,378	3/4	1,765	3/4		3/4		3/4		3/4		3/4	
7	226	7	612	7	999	7	1,386	7	1,773	7		7		7		7		7	
1/4	234	1/4	620	1/4	1,007	1/4	1,394	1/4	1,781	1/4		1/4		1/4		1/4		1/4	
1/2	242	1/2	629	1/2	1,015	1/2	1,402	1/2	1,789	1/2		1/2		1/2		1/2		1/2	
3/4	250	3/4	637	3/4	1,023	3/4	1,410	3/4	1,797	3/4		3/4		3/4		3/4		3/4	
8	258	8	645	8	1,031	8	1,418	8	1,805	8		8		8		8		8	
1/4	266	1/4	653	1/4	1,040	1/4	1,426	1/4	1,813	1/4		1/4		1/4		1/4		1/4	
1/2	274	1/2	661	1/2	1,048	1/2	1,434	1/2	1,821	1/2		1/2		1/2		1/2		1/2	
3/4	282	3/4	669	3/4	1,056	3/4	1,442	3/4	1,829	3/4		3/4		3/4		3/4		3/4	
9	290	9	677	9	1,064	9	1,450	9	1,837	9		9		9		9		9	
1/4	298	1/4	685	1/4	1,072	1/4	1,459	1/4	1,845	1/4		1/4		1/4		1/4		1/4	
1/2	306	1/2	693	1/2	1,080	1/2	1,467	1/2	1,853	1/2		1/2		1/2		1/2		1/2	
3/4	314	3/4	701	3/4	1,088	3/4	1,475	3/4	1,861	3/4		3/4		3/4		3/4		3/4	
10	322	10	709	10	1,096	10	1,483	10	1,870	10		10		10		10		10	
1/4	330	1/4	717	1/4	1,104	1/4	1,491	1/4	1,878	1/4		1/4		1/4		1/4		1/4	
1/2	338	1/2	725	1/2	1,112	1/2	1,499	1/2	1,886	1/2		1/2		1/2		1/2		1/2	
3/4	347	3/4	733	3/4	1,120	3/4	1,507	3/4	1,894	3/4		3/4		3/4		3/4		3/4	
11	355	11	741	11	1,128	11	1,515	11	1,902	11		11		11		11		11	
1/4	363	1/4	749	1/4	1,136	1/4	1,523	1/4	1,910	1/4		1/4		1/4		1/4		1/4	
1/2	371	1/2	757	1/2	1,144	1/2	1,531	1/2	1,918	1/2		1/2		1/2		1/2		1/2	
3/4	379	3/4	766	3/4	1,152	3/4	1,539	3/4	1,926	3/4		3/4		3/4		3/4		3/4	

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