



BARGE "KIRBY 10513"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS 01-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-01 1/8"

LENGTH BETWEEN DRAFT MARKS: 152'-00"

July 3, 2023

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

<http://www.pmacorp.net>



BARGE "KIRBY 10513"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-06 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		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	
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" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 18'-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 10513"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-06 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	1,885.69	0	1,632.06	0	1,378.42	0	1,124.78	0	871.15	0	617.51	0	363.87	0	113.03	0		0	
1/4	1,880.41	1/4	1,626.77	1/4	1,373.14	1/4	1,119.50	1/4	865.86	1/4	612.23	1/4	358.59	1/4	107.96	1/4		1/4	
1/2	1,875.13	1/2	1,621.49	1/2	1,367.85	1/2	1,114.22	1/2	860.58	1/2	606.94	1/2	353.31	1/2	102.90	1/2		1/2	
3/4	1,869.84	3/4	1,616.21	3/4	1,362.57	3/4	1,108.93	3/4	855.30	3/4	601.66	3/4	348.02	3/4	97.83	3/4		3/4	
1	1,864.56	1	1,610.92	1	1,357.28	1	1,103.65	1	850.01	1	596.37	1	342.74	1	92.77	1		1	
1/4	1,859.27	1/4	1,605.64	1/4	1,352.00	1/4	1,098.36	1/4	844.73	1/4	591.09	1/4	337.45	1/4	87.70	1/4		1/4	
1/2	1,853.99	1/2	1,600.35	1/2	1,346.72	1/2	1,093.08	1/2	839.44	1/2	585.81	1/2	332.17	1/2	82.64	1/2		1/2	
3/4	1,848.71	3/4	1,595.07	3/4	1,341.43	3/4	1,087.80	3/4	834.16	3/4	580.52	3/4	326.89	3/4	77.57	3/4		3/4	
2	1,843.42	2	1,589.79	2	1,336.15	2	1,082.51	2	828.87	2	575.24	2	321.61	2	72.51	2		2	
1/4	1,838.14	1/4	1,584.50	1/4	1,330.86	1/4	1,077.23	1/4	823.59	1/4	569.95	1/4	316.35	1/4	67.44	1/4		1/4	
1/2	1,832.85	1/2	1,579.22	1/2	1,325.58	1/2	1,071.94	1/2	818.31	1/2	564.67	1/2	311.10	1/2	62.38	1/2		1/2	
3/4	1,827.57	3/4	1,573.93	3/4	1,320.30	3/4	1,066.66	3/4	813.02	3/4	559.39	3/4	305.85	3/4	57.31	3/4		3/4	
3	1,822.29	3	1,568.65	3	1,315.01	3	1,061.38	3	807.74	3	554.10	3	300.59	3	52.25	3		3	
1/4	1,817.00	1/4	1,563.36	1/4	1,309.73	1/4	1,056.09	1/4	802.45	1/4	548.82	1/4	295.34	1/4	47.18	1/4		1/4	
1/2	1,811.72	1/2	1,558.08	1/2	1,304.44	1/2	1,050.81	1/2	797.17	1/2	543.53	1/2	290.09	1/2	42.12	1/2		1/2	
3/4	1,806.43	3/4	1,552.80	3/4	1,299.16	3/4	1,045.52	3/4	791.89	3/4	538.25	3/4	284.84	3/4	37.05	3/4		3/4	
4	1,801.15	4	1,547.51	4	1,293.88	4	1,040.24	4	786.60	4	532.97	4	279.59	4	32.15	4		4	
1/4	1,795.87	1/4	1,542.23	1/4	1,288.59	1/4	1,034.95	1/4	781.32	1/4	527.68	1/4	274.34	1/4	27.58	1/4		1/4	
1/2	1,790.58	1/2	1,536.94	1/2	1,283.31	1/2	1,029.67	1/2	776.03	1/2	522.40	1/2	269.08	1/2	23.18	1/2		1/2	
3/4	1,785.30	3/4	1,531.66	3/4	1,278.02	3/4	1,024.39	3/4	770.75	3/4	517.11	3/4	263.83	3/4	18.78	3/4		3/4	
5	1,780.01	5	1,526.38	5	1,272.74	5	1,019.10	5	765.47	5	511.83	5	258.58	5	14.81	5		5	
1/4	1,774.73	1/4	1,521.09	1/4	1,267.46	1/4	1,013.82	1/4	760.18	1/4	506.54	1/4	253.33	1/4	11.73	1/4		1/4	
1/2	1,769.44	1/2	1,515.81	1/2	1,262.17	1/2	1,008.53	1/2	754.90	1/2	501.26	1/2	248.08	1/2	9.09	1/2		1/2	
3/4	1,764.16	3/4	1,510.52	3/4	1,256.89	3/4	1,003.25	3/4	749.61	3/4	495.98	3/4	242.83	3/4	6.45	3/4		3/4	
6	1,758.88	6	1,505.24	6	1,251.60	6	997.97	6	744.33	6	490.69	6	237.57	6	4.24	6		6	
1/4	1,753.59	1/4	1,499.96	1/4	1,246.32	1/4	992.68	1/4	739.05	1/4	485.41	1/4	232.32	1/4	2.92	1/4		1/4	
1/2	1,748.31	1/2	1,494.67	1/2	1,241.03	1/2	987.40	1/2	733.76	1/2	480.12	1/2	227.07	1/2	2.04	1/2		1/2	
3/4	1,743.02	3/4	1,489.39	3/4	1,235.75	3/4	982.11	3/4	728.48	3/4	474.84	3/4	221.82	3/4		3/4		3/4	
7	1,737.74	7	1,484.10	7	1,230.47	7	976.83	7	723.19	7	469.56	7	216.57	7		7		7	
1/4	1,732.46	1/4	1,478.82	1/4	1,225.18	1/4	971.55	1/4	717.91	1/4	464.27	1/4	211.32	1/4		1/4		1/4	
1/2	1,727.17	1/2	1,473.53	1/2	1,219.90	1/2	966.26	1/2	712.62	1/2	458.99	1/2	206.06	1/2		1/2		1/2	
3/4	1,721.89	3/4	1,468.25	3/4	1,214.61	3/4	960.98	3/4	707.34	3/4	453.70	3/4	200.81	3/4		3/4		3/4	
8	1,716.60	8	1,462.97	8	1,209.33	8	955.69	8	702.06	8	448.42	8	195.56	8		8		8	
1/4	1,711.32	1/4	1,457.68	1/4	1,204.05	1/4	950.41	1/4	696.77	1/4	443.14	1/4	190.31	1/4		1/4		1/4	
1/2	1,706.04	1/2	1,452.40	1/2	1,198.76	1/2	945.12	1/2	691.49	1/2	437.85	1/2	185.06	1/2		1/2		1/2	
3/4	1,700.75	3/4	1,447.11	3/4	1,193.48	3/4	939.84	3/4	686.20	3/4	432.57	3/4	179.81	3/4		3/4		3/4	
9	1,695.47	9	1,441.83	9	1,188.19	9	934.56	9	680.92	9	427.28	9	174.55	9		9		9	
1/4	1,690.18	1/4	1,436.55	1/4	1,182.91	1/4	929.27	1/4	675.64	1/4	422.00	1/4	169.30	1/4		1/4		1/4	
1/2	1,684.90	1/2	1,431.26	1/2	1,177.63	1/2	923.99	1/2	670.35	1/2	416.71	1/2	164.05	1/2		1/2		1/2	
3/4	1,679.61	3/4	1,425.98	3/4	1,172.34	3/4	918.70	3/4	665.07	3/4	411.43	3/4	158.80	3/4		3/4		3/4	
10	1,674.33	10	1,420.69	10	1,167.06	10	913.42	10	659.78	10	406.15	10	153.59	10		10		10	
1/4	1,669.05	1/4	1,415.41	1/4	1,161.77	1/4	908.14	1/4	654.50	1/4	400.86	1/4	148.48	1/4		1/4		1/4	
1/2	1,663.76	1/2	1,410.13	1/2	1,156.49	1/2	902.85	1/2	649.22	1/2	395.58	1/2	143.42	1/2		1/2		1/2	
3/4	1,658.48	3/4	1,404.84	3/4	1,151.20	3/4	897.57	3/4	643.93	3/4	390.29	3/4	138.35	3/4		3/4		3/4	
11	1,653.19	11	1,399.56	11	1,145.92	11	892.28	11	638.65	11	385.01	11	133.29	11		11		11	
1/4	1,647.91	1/4	1,394.27	1/4	1,140.64	1/4	887.00	1/4	633.36	1/4	379.73	1/4	128.22	1/4		1/4		1/4	
1/2	1,642.63	1/2	1,388.99	1/2	1,135.35	1/2	881.72	1/2	628.08	1/2	374.44	1/2	123.16	1/2		1/2		1/2	
3/4	1,637.34	3/4	1,383.71	3/4	1,130.07	3/4	876.43	3/4	622.79	3/4	369.16	3/4	118.09	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/08/1992 SI
RECALCULATED: 07/03/2023
VERIFIED: 07/03/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

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



BARGE "KIRBY 10513"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-06"

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		0	3,422.84	0	3,167.33	0	2,911.82	0	2,656.32	0	2,400.81	0	2,145.30
1/4		1/4		1/4		1/4		1/4	3,417.52	1/4	3,162.01	1/4	2,906.50	1/4	2,650.99	1/4	2,395.48	1/4	2,139.97
1/2		1/2		1/2		1/2		1/2	3,412.20	1/2	3,156.69	1/2	2,901.18	1/2	2,645.67	1/2	2,390.16	1/2	2,134.65
3/4		3/4		3/4		3/4		3/4	3,406.87	3/4	3,151.36	3/4	2,895.85	3/4	2,640.35	3/4	2,384.84	3/4	2,129.33
1		1		1		1		1	3,401.55	1	3,146.04	1	2,890.53	1	2,635.02	1	2,379.51	1	2,124.01
1/4		1/4		1/4		1/4		1/4	3,595.83	1/4	3,396.23	1/4	3,140.72	1/4	2,885.21	1/4	2,629.70	1/4	2,374.19
1/2		1/2		1/2		1/2		1/2	3,595.54	1/2	3,390.90	1/2	3,135.39	1/2	2,879.89	1/2	2,624.38	1/2	2,368.87
3/4		3/4		3/4		3/4		3/4	3,594.94	3/4	3,385.58	3/4	3,130.07	3/4	2,874.56	3/4	2,619.05	3/4	2,363.54
2		2		2		2		2	3,594.18	2	3,380.26	2	3,124.75	2	2,869.24	2	2,613.73	2	2,358.22
1/4		1/4		1/4		1/4		1/4	3,593.42	1/4	3,374.93	1/4	3,119.43	1/4	2,863.92	1/4	2,608.41	1/4	2,352.90
1/2		1/2		1/2		1/2		1/2	3,592.41	1/2	3,369.61	1/2	3,114.10	1/2	2,858.59	1/2	2,603.08	1/2	2,347.58
3/4		3/4		3/4		3/4		3/4	3,590.89	3/4	3,364.29	3/4	3,108.78	3/4	2,853.27	3/4	2,597.76	3/4	2,342.25
3		3		3		3		3	3,589.11	3	3,358.96	3	3,103.46	3	2,847.95	3	2,592.44	3	2,336.93
1/4		1/4		1/4		1/4		1/4	3,587.34	1/4	3,353.64	1/4	3,098.13	1/4	2,842.62	1/4	2,587.11	1/4	2,331.61
1/2		1/2		1/2		1/2		1/2	3,585.31	1/2	3,348.32	1/2	3,092.81	1/2	2,837.30	1/2	2,581.79	1/2	2,326.28
3/4		3/4		3/4		3/4		3/4	3,582.78	3/4	3,343.00	3/4	3,087.49	3/4	2,831.98	3/4	2,576.47	3/4	2,320.96
4		4		4		4		4	3,579.99	4	3,337.67	4	3,082.16	4	2,826.65	4	2,571.15	4	2,315.64
1/4		1/4		1/4		1/4		1/4	3,577.20	1/4	3,332.35	1/4	3,076.84	1/4	2,821.33	1/4	2,565.82	1/4	2,310.31
1/2		1/2		1/2		1/2		1/2	3,574.16	1/2	3,327.03	1/2	3,071.52	1/2	2,816.01	1/2	2,560.50	1/2	2,304.99
3/4		3/4		3/4		3/4		3/4	3,570.61	3/4	3,321.70	3/4	3,066.19	3/4	2,810.69	3/4	2,555.18	3/4	2,299.67
5		5		5		5		5	3,566.81	5	3,316.38	5	3,060.87	5	2,805.36	5	2,549.85	5	2,294.34
1/4		1/4		1/4		1/4		1/4	3,563.00	1/4	3,311.06	1/4	3,055.55	1/4	2,800.04	1/4	2,544.53	1/4	2,289.02
1/2		1/2		1/2		1/2		1/2	3,558.95	1/2	3,305.73	1/2	3,050.22	1/2	2,794.72	1/2	2,539.21	1/2	2,283.70
3/4		3/4		3/4		3/4		3/4	3,554.39	3/4	3,300.41	3/4	3,044.90	3/4	2,789.39	3/4	2,533.88	3/4	2,278.38
6		6		6		6		6	3,549.57	6	3,295.09	6	3,039.58	6	2,784.07	6	2,528.56	6	2,273.05
1/4		1/4		1/4		1/4		1/4	3,544.75	1/4	3,289.76	1/4	3,034.26	1/4	2,778.75	1/4	2,523.24	1/4	2,267.73
1/2		1/2		1/2		1/2		1/2	3,539.81	1/2	3,284.44	1/2	3,028.93	1/2	2,773.42	1/2	2,517.91	1/2	2,262.41
3/4		3/4		3/4		3/4		3/4	3,534.63	3/4	3,279.12	3/4	3,023.61	3/4	2,768.10	3/4	2,512.59	3/4	2,257.08
7		7		7		7		7	3,529.30	7	3,273.79	7	3,018.29	7	2,762.78	7	2,507.27	7	2,251.76
1/4		1/4		1/4		1/4		1/4	3,523.98	1/4	3,268.47	1/4	3,012.96	1/4	2,757.45	1/4	2,501.95	1/4	2,246.44
1/2		1/2		1/2		1/2		1/2	3,518.66	1/2	3,263.15	1/2	3,007.64	1/2	2,752.13	1/2	2,496.62	1/2	2,241.11
3/4		3/4		3/4		3/4		3/4	3,513.33	3/4	3,257.83	3/4	3,002.32	3/4	2,746.81	3/4	2,491.30	3/4	2,235.79
8		8		8		8		8	3,508.01	8	3,252.50	8	2,996.99	8	2,741.48	8	2,485.98	8	2,230.47
1/4		1/4		1/4		1/4		1/4	3,502.69	1/4	3,247.18	1/4	2,991.67	1/4	2,736.16	1/4	2,480.65	1/4	2,225.14
1/2		1/2		1/2		1/2		1/2	3,497.37	1/2	3,241.86	1/2	2,986.35	1/2	2,730.84	1/2	2,475.33	1/2	2,219.82
3/4		3/4		3/4		3/4		3/4	3,492.04	3/4	3,236.53	3/4	2,981.02	3/4	2,725.52	3/4	2,470.01	3/4	2,214.50
9		9		9		9		9	3,486.72	9	3,231.21	9	2,975.70	9	2,720.19	9	2,464.68	9	2,209.17
1/4		1/4		1/4		1/4		1/4	3,481.40	1/4	3,225.89	1/4	2,970.38	1/4	2,714.87	1/4	2,459.36	1/4	2,203.85
1/2		1/2		1/2		1/2		1/2	3,476.07	1/2	3,220.56	1/2	2,965.06	1/2	2,709.55	1/2	2,454.04	1/2	2,198.53
3/4		3/4		3/4		3/4		3/4	3,470.75	3/4	3,215.24	3/4	2,959.73	3/4	2,704.22	3/4	2,448.71	3/4	2,193.21
10		10		10		10		10	3,465.43	10	3,209.92	10	2,954.41	10	2,698.90	10	2,443.39	10	2,187.88
1/4		1/4		1/4		1/4		1/4	3,460.10	1/4	3,204.59	1/4	2,949.09	1/4	2,693.58	1/4	2,438.07	1/4	2,182.56
1/2		1/2		1/2		1/2		1/2	3,454.78	1/2	3,199.27	1/2	2,943.76	1/2	2,688.25	1/2	2,432.75	1/2	2,177.24
3/4		3/4		3/4		3/4		3/4	3,449.46	3/4	3,193.95	3/4	2,938.44	3/4	2,682.93	3/4	2,427.42	3/4	2,171.91
11		11		11		11		11	3,444.13	11	3,188.63	11	2,933.12	11	2,677.61	11	2,422.10	11	2,166.59
1/4		1/4		1/4		1/4		1/4	3,438.81	1/4	3,183.30	1/4	2,927.79	1/4	2,672.28	1/4	2,416.78	1/4	2,161.27
1/2		1/2		1/2		1/2		1/2	3,433.49	1/2	3,177.98	1/2	2,922.47	1/2	2,666.96	1/2	2,411.45	1/2	2,155.94
3/4		3/4		3/4		3/4		3/4	3,428.16	3/4	3,172.66	3/4	2,917.15	3/4	2,661.64	3/4	2,406.13	3/4	2,150.62

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 ON CENTERLINE AND 20'-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 10513"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-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	1,889.79	0	1,634.28	0	1,378.77	0	1,123.26	0	867.75	0	612.24	0	358.08	0	104.38	0		0	
1/4	1,884.47	1/4	1,628.96	1/4	1,373.45	1/4	1,117.94	1/4	862.43	1/4	606.92	1/4	352.82	1/4	99.22	1/4		1/4	
1/2	1,879.14	1/2	1,623.63	1/2	1,368.13	1/2	1,112.62	1/2	857.11	1/2	601.60	1/2	347.54	1/2	94.07	1/2		1/2	
3/4	1,873.82	3/4	1,618.31	3/4	1,362.80	3/4	1,107.29	3/4	851.78	3/4	596.28	3/4	342.23	3/4	88.91	3/4		3/4	
1	1,868.50	1	1,612.99	1	1,357.48	1	1,101.97	1	846.46	1	590.95	1	336.91	1	83.76	1		1	
1/4	1,863.17	1/4	1,607.66	1/4	1,352.16	1/4	1,096.65	1/4	841.14	1/4	585.63	1/4	331.58	1/4	78.60	1/4		1/4	
1/2	1,857.85	1/2	1,602.34	1/2	1,346.83	1/2	1,091.32	1/2	835.82	1/2	580.31	1/2	326.26	1/2	73.45	1/2		1/2	
3/4	1,852.53	3/4	1,597.02	3/4	1,341.51	3/4	1,086.00	3/4	830.49	3/4	574.98	3/4	320.94	3/4	68.30	3/4		3/4	
2	1,847.20	2	1,591.70	2	1,336.19	2	1,080.68	2	825.17	2	569.66	2	315.62	2	63.14	2		2	
1/4	1,841.88	1/4	1,586.37	1/4	1,330.86	1/4	1,075.35	1/4	819.85	1/4	564.34	1/4	310.29	1/4	57.99	1/4		1/4	
1/2	1,836.56	1/2	1,581.05	1/2	1,325.54	1/2	1,070.03	1/2	814.52	1/2	559.01	1/2	304.97	1/2	52.83	1/2		1/2	
3/4	1,831.23	3/4	1,575.73	3/4	1,320.22	3/4	1,064.71	3/4	809.20	3/4	553.69	3/4	299.65	3/4	47.68	3/4		3/4	
3	1,825.91	3	1,570.40	3	1,314.89	3	1,059.39	3	803.88	3	548.37	3	294.32	3	42.52	3		3	
1/4	1,820.59	1/4	1,565.08	1/4	1,309.57	1/4	1,054.06	1/4	798.55	1/4	543.04	1/4	289.00	1/4	37.37	1/4		1/4	
1/2	1,815.27	1/2	1,559.76	1/2	1,304.25	1/2	1,048.74	1/2	793.23	1/2	537.72	1/2	283.68	1/2	32.39	1/2		1/2	
3/4	1,809.94	3/4	1,554.43	3/4	1,298.92	3/4	1,043.42	3/4	787.91	3/4	532.40	3/4	278.35	3/4	27.78	3/4		3/4	
4	1,804.62	4	1,549.11	4	1,293.60	4	1,038.09	4	782.58	4	527.08	4	273.03	4	23.34	4		4	
1/4	1,799.30	1/4	1,543.79	1/4	1,288.28	1/4	1,032.77	1/4	777.26	1/4	521.75	1/4	267.71	1/4	18.91	1/4		1/4	
1/2	1,793.97	1/2	1,538.46	1/2	1,282.96	1/2	1,027.45	1/2	771.94	1/2	516.43	1/2	262.38	1/2	14.91	1/2		1/2	
3/4	1,788.65	3/4	1,533.14	3/4	1,277.63	3/4	1,022.12	3/4	766.61	3/4	511.11	3/4	257.06	3/4	11.81	3/4		3/4	
5	1,783.33	5	1,527.82	5	1,272.31	5	1,016.80	5	761.29	5	505.78	5	251.74	5	9.15	5		5	
1/4	1,778.00	1/4	1,522.49	1/4	1,266.99	1/4	1,011.48	1/4	755.97	1/4	500.46	1/4	246.42	1/4	6.49	1/4		1/4	
1/2	1,772.68	1/2	1,517.17	1/2	1,261.66	1/2	1,006.15	1/2	750.65	1/2	495.14	1/2	241.09	1/2	4.27	1/2		1/2	
3/4	1,767.36	3/4	1,511.85	3/4	1,256.34	3/4	1,000.83	3/4	745.32	3/4	489.81	3/4	235.77	3/4	2.94	3/4		3/4	
6	1,762.03	6	1,506.53	6	1,251.02	6	995.51	6	740.00	6	484.49	6	230.45	6	2.05	6		6	
1/4	1,756.71	1/4	1,501.20	1/4	1,245.69	1/4	990.18	1/4	734.68	1/4	479.17	1/4	225.12	1/4		1/4		1/4	
1/2	1,751.39	1/2	1,495.88	1/2	1,240.37	1/2	984.86	1/2	729.35	1/2	473.86	1/2	219.80	1/2		1/2		1/2	
3/4	1,746.07	3/4	1,490.56	3/4	1,235.05	3/4	979.54	3/4	724.03	3/4	468.58	3/4	214.48	3/4		3/4		3/4	
7	1,740.74	7	1,485.23	7	1,229.72	7	974.22	7	718.71	7	463.32	7	209.15	7		7		7	
1/4	1,735.42	1/4	1,479.91	1/4	1,224.40	1/4	968.89	1/4	713.38	1/4	458.06	1/4	203.83	1/4		1/4		1/4	
1/2	1,730.10	1/2	1,474.59	1/2	1,219.08	1/2	963.57	1/2	708.06	1/2	452.80	1/2	198.51	1/2		1/2		1/2	
3/4	1,724.77	3/4	1,469.26	3/4	1,213.76	3/4	958.25	3/4	702.74	3/4	447.53	3/4	193.18	3/4		3/4		3/4	
8	1,719.45	8	1,463.94	8	1,208.43	8	952.92	8	697.41	8	442.27	8	187.86	8		8		8	
1/4	1,714.13	1/4	1,458.62	1/4	1,203.11	1/4	947.60	1/4	692.09	1/4	437.01	1/4	182.54	1/4		1/4		1/4	
1/2	1,708.80	1/2	1,453.29	1/2	1,197.79	1/2	942.28	1/2	686.77	1/2	431.75	1/2	177.21	1/2		1/2		1/2	
3/4	1,703.48	3/4	1,447.97	3/4	1,192.46	3/4	936.95	3/4	681.45	3/4	426.48	3/4	171.89	3/4		3/4		3/4	
9	1,698.16	9	1,442.65	9	1,187.14	9	931.63	9	676.12	9	421.22	9	166.57	9		9		9	
1/4	1,692.83	1/4	1,437.33	1/4	1,181.82	1/4	926.31	1/4	670.80	1/4	415.96	1/4	161.25	1/4		1/4		1/4	
1/2	1,687.51	1/2	1,432.00	1/2	1,176.49	1/2	920.98	1/2	665.48	1/2	410.70	1/2	155.96	1/2		1/2		1/2	
3/4	1,682.19	3/4	1,426.68	3/4	1,171.17	3/4	915.66	3/4	660.15	3/4	405.44	3/4	150.77	3/4		3/4		3/4	
10	1,676.86	10	1,421.36	10	1,165.85	10	910.34	10	654.83	10	400.17	10	145.61	10		10		10	
1/4	1,671.54	1/4	1,416.03	1/4	1,160.52	1/4	905.02	1/4	649.51	1/4	394.91	1/4	140.46	1/4		1/4		1/4	
1/2	1,666.22	1/2	1,410.71	1/2	1,155.20	1/2	899.69	1/2	644.18	1/2	389.65	1/2	135.30	1/2		1/2		1/2	
3/4	1,660.90	3/4	1,405.39	3/4	1,149.88	3/4	894.37	3/4	638.86	3/4	384.39	3/4	130.15	3/4		3/4		3/4	
11	1,655.57	11	1,400.06	11	1,144.55	11	889.05	11	633.54	11	379.13	11	125.00	11		11		11	
1/4	1,650.25	1/4	1,394.74	1/4	1,139.23	1/4	883.72	1/4	628.21	1/4	373.86	1/4	119.84	1/4		1/4		1/4	
1/2	1,644.93	1/2	1,389.42	1/2	1,133.91	1/2	878.40	1/2	622.89	1/2	368.60	1/2	114.69	1/2		1/2		1/2	
3/4	1,639.60	3/4	1,384.09	3/4	1,128.59	3/4	873.08	3/4	617.57	3/4	363.34	3/4	109.53	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/08/1992 SI
RECALCULATED: 07/03/2023
VERIFIED: 07/03/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

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



BARGE "KIRBY 10513"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-08"

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	2,127.21	0	1,845.81	0	1,564.40	0	1,283.00	0	1,001.60	0	720.19	0	438.84	0	157.88	0		0	
1/4	2,121.35	1/4	1,839.95	1/4	1,558.54	1/4	1,277.14	1/4	995.73	1/4	714.33	1/4	432.98	1/4	152.18	1/4		1/4	
1/2	2,115.49	1/2	1,834.08	1/2	1,552.68	1/2	1,271.27	1/2	989.87	1/2	708.47	1/2	427.12	1/2	146.49	1/2		1/2	
3/4	2,109.63	3/4	1,828.22	3/4	1,546.82	3/4	1,265.41	3/4	984.01	3/4	702.60	3/4	421.26	3/4	140.79	3/4		3/4	
1	2,103.76	1	1,822.36	1	1,540.95	1	1,259.55	1	978.14	1	696.74	1	415.40	1	135.10	1		1	
1/4	2,097.90	1/4	1,816.50	1/4	1,535.09	1/4	1,253.69	1/4	972.28	1/4	690.88	1/4	409.54	1/4	129.40	1/4		1/4	
1/2	2,092.04	1/2	1,810.63	1/2	1,529.23	1/2	1,247.82	1/2	966.42	1/2	685.01	1/2	403.68	1/2	123.71	1/2		1/2	
3/4	2,086.18	3/4	1,804.77	3/4	1,523.37	3/4	1,241.96	3/4	960.56	3/4	679.15	3/4	397.82	3/4	118.02	3/4		3/4	
2	2,080.31	2	1,798.91	2	1,517.50	2	1,236.10	2	954.69	2	673.29	2	391.96	2	112.32	2		2	
1/4	2,074.45	1/4	1,793.05	1/4	1,511.64	1/4	1,230.24	1/4	948.83	1/4	667.43	1/4	386.10	1/4	106.63	1/4		1/4	
1/2	2,068.59	1/2	1,787.18	1/2	1,505.78	1/2	1,224.37	1/2	942.97	1/2	661.56	1/2	380.23	1/2	100.93	1/2		1/2	
3/4	2,062.73	3/4	1,781.32	3/4	1,499.92	3/4	1,218.51	3/4	937.11	3/4	655.70	3/4	374.37	3/4	95.24	3/4		3/4	
3	2,056.86	3	1,775.46	3	1,494.05	3	1,212.65	3	931.24	3	649.84	3	368.51	3	89.55	3		3	
1/4	2,051.00	1/4	1,769.60	1/4	1,488.19	1/4	1,206.79	1/4	925.38	1/4	643.98	1/4	362.64	1/4	83.85	1/4		1/4	
1/2	2,045.14	1/2	1,763.73	1/2	1,482.33	1/2	1,200.92	1/2	919.52	1/2	638.11	1/2	356.78	1/2	78.16	1/2		1/2	
3/4	2,039.28	3/4	1,757.87	3/4	1,476.47	3/4	1,195.06	3/4	913.66	3/4	632.25	3/4	350.92	3/4	72.46	3/4		3/4	
4	2,033.41	4	1,752.01	4	1,470.60	4	1,189.20	4	907.79	4	626.39	4	345.06	4	66.77	4		4	
1/4	2,027.55	1/4	1,746.15	1/4	1,464.74	1/4	1,183.34	1/4	901.93	1/4	620.53	1/4	339.19	1/4	61.08	1/4		1/4	
1/2	2,021.69	1/2	1,740.28	1/2	1,458.88	1/2	1,177.47	1/2	896.07	1/2	614.66	1/2	333.33	1/2	55.38	1/2		1/2	
3/4	2,015.83	3/4	1,734.42	3/4	1,453.02	3/4	1,171.61	3/4	890.21	3/4	608.80	3/4	327.47	3/4	49.69	3/4		3/4	
5	2,009.96	5	1,728.56	5	1,447.15	5	1,165.75	5	884.34	5	602.94	5	321.61	5	43.99	5		5	
1/4	2,004.10	1/4	1,722.70	1/4	1,441.29	1/4	1,159.89	1/4	878.48	1/4	597.08	1/4	315.74	1/4	38.30	1/4		1/4	
1/2	1,998.24	1/2	1,716.83	1/2	1,435.43	1/2	1,154.02	1/2	872.62	1/2	591.22	1/2	309.88	1/2	33.01	1/2		1/2	
3/4	1,992.37	3/4	1,710.97	3/4	1,429.57	3/4	1,148.16	3/4	866.76	3/4	585.36	3/4	304.02	3/4	28.12	3/4		3/4	
6	1,986.51	6	1,705.11	6	1,423.70	6	1,142.30	6	860.89	6	579.50	6	298.16	6	23.24	6		6	
1/4	1,980.65	1/4	1,699.24	1/4	1,417.84	1/4	1,136.44	1/4	855.03	1/4	573.64	1/4	292.29	1/4	18.35	1/4		1/4	
1/2	1,974.79	1/2	1,693.38	1/2	1,411.98	1/2	1,130.57	1/2	849.17	1/2	567.78	1/2	286.43	1/2	14.44	1/2		1/2	
3/4	1,968.92	3/4	1,687.52	3/4	1,406.11	3/4	1,124.71	3/4	843.31	3/4	561.92	3/4	280.57	3/4	11.51	3/4		3/4	
7	1,963.06	7	1,681.66	7	1,400.25	7	1,118.85	7	837.44	7	556.06	7	274.71	7	8.58	7		7	
1/4	1,957.20	1/4	1,675.79	1/4	1,394.39	1/4	1,112.98	1/4	831.58	1/4	550.20	1/4	268.84	1/4	5.65	1/4		1/4	
1/2	1,951.34	1/2	1,669.93	1/2	1,388.53	1/2	1,107.12	1/2	825.72	1/2	544.33	1/2	262.98	1/2	3.70	1/2		1/2	
3/4	1,945.47	3/4	1,664.07	3/4	1,382.66	3/4	1,101.26	3/4	819.85	3/4	538.47	3/4	257.12	3/4	2.72	3/4		3/4	
8	1,939.61	8	1,658.21	8	1,376.80	8	1,095.40	8	813.99	8	532.61	8	251.26	8	1.75	8		8	
1/4	1,933.75	1/4	1,652.34	1/4	1,370.94	1/4	1,089.53	1/4	808.13	1/4	526.75	1/4	245.39	1/4		1/4		1/4	
1/2	1,927.89	1/2	1,646.48	1/2	1,365.08	1/2	1,083.67	1/2	802.27	1/2	520.89	1/2	239.53	1/2		1/2		1/2	
3/4	1,922.02	3/4	1,640.62	3/4	1,359.21	3/4	1,077.81	3/4	796.40	3/4	515.03	3/4	233.67	3/4		3/4		3/4	
9	1,916.16	9	1,634.76	9	1,353.35	9	1,071.95	9	790.54	9	509.17	9	227.80	9		9		9	
1/4	1,910.30	1/4	1,628.89	1/4	1,347.49	1/4	1,066.08	1/4	784.68	1/4	503.31	1/4	221.94	1/4		1/4		1/4	
1/2	1,904.44	1/2	1,623.03	1/2	1,341.63	1/2	1,060.22	1/2	778.82	1/2	497.45	1/2	216.08	1/2		1/2		1/2	
3/4	1,898.57	3/4	1,617.17	3/4	1,335.76	3/4	1,054.36	3/4	772.95	3/4	491.59	3/4	210.22	3/4		3/4		3/4	
10	1,892.71	10	1,611.31	10	1,329.90	10	1,048.50	10	767.09	10	485.73	10	204.35	10		10		10	
1/4	1,886.85	1/4	1,605.44	1/4	1,324.04	1/4	1,042.63	1/4	761.23	1/4	479.87	1/4	198.49	1/4		1/4		1/4	
1/2	1,880.99	1/2	1,599.58	1/2	1,318.18	1/2	1,036.77	1/2	755.37	1/2	474.01	1/2	192.63	1/2		1/2		1/2	
3/4	1,875.12	3/4	1,593.72	3/4	1,312.31	3/4	1,030.91	3/4	749.50	3/4	468.15	3/4	186.77	3/4		3/4		3/4	
11	1,869.26	11	1,587.86	11	1,306.45	11	1,025.05	11	743.64	11	462.28	11	180.90	11		11		11	
1/4	1,863.40	1/4	1,581.99	1/4	1,300.59	1/4	1,019.18	1/4	737.78	1/4	456.42	1/4	175.04	1/4		1/4		1/4	
1/2	1,857.53	1/2	1,576.13	1/2	1,294.73	1/2	1,013.32	1/2	731.92	1/2	450.56	1/2	169.26	1/2		1/2		1/2	
3/4	1,851.67	3/4	1,570.27	3/4	1,288.86	3/4	1,007.46	3/4	726.05	3/4	444.70	3/4	163.57	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/08/1992 SI
RECALCULATED: 07/03/2023
VERIFIED: 07/03/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

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