



BARGE "KIRBY 28028"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-06"

October 13, 2023

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

<http://www.pmacorp.net>



BARGE "KIRBY 28028"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,352.60	0	4,052.29	0	3,755.75	0	3,444.57	0	3,119.86	0	2,788.27	0	2,456.67
1/4		1/4		1/4		1/4	4,347.42	1/4	4,046.27	1/4	3,749.41	1/4	3,437.95	1/4	3,112.96	1/4	2,781.36	1/4	2,449.76
1/2		1/2		1/2		1/2	4,340.51	1/2	4,040.22	1/2	3,743.05	1/2	3,431.31	1/2	3,106.05	1/2	2,774.45	1/2	2,442.85
3/4		3/4		3/4		3/4	4,333.60	3/4	4,034.17	3/4	3,736.69	3/4	3,424.67	3/4	3,099.14	3/4	2,767.54	3/4	2,435.94
1		1		1		1	4,326.69	1	4,028.12	1	3,730.33	1	3,418.04	1	3,092.23	1	2,760.64	1	2,429.03
1/4		1/4		1/4		1/4	4,319.78	1/4	4,022.08	1/4	3,723.97	1/4	3,411.40	1/4	3,085.33	1/4	2,753.73	1/4	2,422.12
1/2		1/2		1/2		1/2	4,312.87	1/2	4,016.01	1/2	3,717.59	1/2	3,404.73	1/2	3,078.42	1/2	2,746.82	1/2	2,415.22
3/4		3/4		3/4		3/4	4,305.96	3/4	4,009.94	3/4	3,711.20	3/4	3,398.06	3/4	3,071.51	3/4	2,739.91	3/4	2,408.31
2		2		2		2	4,299.05	2	4,003.87	2	3,704.82	2	3,391.39	2	3,064.60	2	2,733.00	2	2,401.40
1/4		1/4		1/4		1/4	4,292.14	1/4	3,997.81	1/4	3,698.44	1/4	3,384.73	1/4	3,057.69	1/4	2,726.09	1/4	2,394.49
1/2		1/2		1/2		1/2	4,285.23	1/2	3,991.72	1/2	3,692.03	1/2	3,378.04	1/2	3,050.78	1/2	2,719.19	1/2	2,387.58
3/4		3/4		3/4		3/4	4,278.32	3/4	3,985.63	3/4	3,685.62	3/4	3,371.35	3/4	3,043.88	3/4	2,712.28	3/4	2,380.67
3		3		3		3	4,271.41	3	3,979.54	3	3,679.21	3	3,364.66	3	3,036.97	3	2,705.37	3	2,373.76
1/4		1/4		1/4		1/4	4,264.51	1/4	3,973.45	1/4	3,672.80	1/4	3,357.98	1/4	3,030.06	1/4	2,698.46	1/4	2,366.85
1/2		1/2		1/2		1/2	4,257.60	1/2	3,967.33	1/2	3,666.38	1/2	3,351.27	1/2	3,023.15	1/2	2,691.55	1/2	2,359.94
3/4		3/4		3/4		3/4	4,250.69	3/4	3,961.22	3/4	3,659.95	3/4	3,344.56	3/4	3,016.24	3/4	2,684.64	3/4	2,353.03
4		4		4		4	4,243.78	4	3,955.10	4	3,653.52	4	3,337.85	4	3,009.34	4	2,677.74	4	2,346.12
1/4		1/4		1/4		1/4	4,236.87	1/4	3,948.98	1/4	3,647.09	1/4	3,331.14	1/4	3,002.43	1/4	2,670.83	1/4	2,339.21
1/2		1/2		1/2		1/2	4,230.97	1/2	3,942.84	1/2	3,640.64	1/2	3,324.40	1/2	2,995.52	1/2	2,663.92	1/2	2,332.30
3/4		3/4		3/4		3/4	4,225.08	3/4	3,936.71	3/4	3,634.18	3/4	3,317.67	3/4	2,988.61	3/4	2,657.01	3/4	2,325.39
5		5		5		5	4,219.18	5	3,930.57	5	3,627.73	5	3,310.93	5	2,981.70	5	2,650.10	5	2,318.48
1/4		1/4		1/4		1/4	4,213.29	1/4	3,924.43	1/4	3,621.28	1/4	3,304.19	1/4	2,974.79	1/4	2,643.20	1/4	2,311.57
1/2		1/2		1/2		1/2	4,207.38	1/2	3,918.27	1/2	3,614.80	1/2	3,297.44	1/2	2,967.89	1/2	2,636.29	1/2	2,304.66
3/4		3/4		3/4		3/4	4,201.46	3/4	3,912.11	3/4	3,608.33	3/4	3,290.68	3/4	2,960.98	3/4	2,629.38	3/4	2,297.75
6		6		6		6	4,195.55	6	3,905.96	6	3,601.85	6	3,283.92	6	2,954.07	6	2,622.47	6	2,290.84
1/4		1/4		1/4		1/4	4,189.63	1/4	3,899.80	1/4	3,595.37	1/4	3,277.16	1/4	2,947.16	1/4	2,615.56	1/4	2,283.93
1/2		1/2		1/2		1/2	4,183.70	1/2	3,893.61	1/2	3,588.87	1/2	3,270.38	1/2	2,940.25	1/2	2,608.65	1/2	2,277.03
3/4		3/4		3/4		3/4	4,177.76	3/4	3,887.42	3/4	3,582.37	3/4	3,263.59	3/4	2,933.34	3/4	2,601.75	3/4	2,270.12
7		7		7		7	4,171.82	7	3,881.24	7	3,575.87	7	3,256.80	7	2,926.44	7	2,594.84	7	2,263.21
1/4		1/4		1/4		1/4	4,165.89	1/4	3,875.05	1/4	3,569.37	1/4	3,250.01	1/4	2,919.53	1/4	2,587.93	1/4	2,256.30
1/2		1/2		1/2		1/2	4,159.92	1/2	3,868.84	1/2	3,562.85	1/2	3,243.21	1/2	2,912.62	1/2	2,581.02	1/2	2,249.39
3/4		3/4		3/4		3/4	4,153.96	3/4	3,862.64	3/4	3,556.33	3/4	3,236.40	3/4	2,905.71	3/4	2,574.11	3/4	2,242.48
8		8		8		8	4,148.00	8	3,856.43	8	3,549.81	8	3,229.60	8	2,898.80	8	2,567.20	8	2,235.57
1/4		1/4		1/4		1/4	4,142.03	1/4	3,850.22	1/4	3,543.29	1/4	3,222.79	1/4	2,891.89	1/4	2,560.30	1/4	2,228.66
1/2		1/2		1/2		1/2	4,136.08	1/2	3,843.96	1/2	3,536.74	1/2	3,215.96	1/2	2,884.99	1/2	2,553.39	1/2	2,221.75
3/4		3/4		3/4		3/4	4,130.13	3/4	3,837.70	3/4	3,530.19	3/4	3,209.13	3/4	2,878.08	3/4	2,546.48	3/4	2,214.84
9		9		9		9	4,124.18	9	3,831.43	9	3,523.64	9	3,202.31	9	2,871.17	9	2,539.57	9	2,207.93
1/4		1/4		1/4		1/4	4,118.23	1/4	3,825.17	1/4	3,517.10	1/4	3,195.48	1/4	2,864.26	1/4	2,532.66	1/4	2,201.02
1/2		1/2		1/2		1/2	4,112.26	1/2	3,818.88	1/2	3,510.53	1/2	3,188.62	1/2	2,857.35	1/2	2,525.75	1/2	2,194.11
3/4		3/4		3/4		3/4	4,106.29	3/4	3,812.59	3/4	3,503.96	3/4	3,181.77	3/4	2,850.44	3/4	2,518.85	3/4	2,187.20
10		10		10		10	4,100.32	10	3,806.30	10	3,497.39	10	3,174.91	10	2,843.54	10	2,511.94	10	2,180.29
1/4		1/4		1/4		1/4	4,094.34	1/4	3,800.01	1/4	3,490.82	1/4	3,168.05	1/4	2,836.63	1/4	2,505.03	1/4	2,173.38
1/2		1/2		1/2		1/2	4,088.35	1/2	3,793.70	1/2	3,484.22	1/2	3,161.18	1/2	2,829.72	1/2	2,498.12	1/2	2,166.47
3/4		3/4		3/4		3/4	4,082.35	3/4	3,787.39	3/4	3,477.62	3/4	3,154.30	3/4	2,822.81	3/4	2,491.21	3/4	2,159.56
11		11		11		11	4,076.35	11	3,781.08	11	3,471.02	11	3,147.43	11	2,815.90	11	2,484.30	11	2,152.65
1/4		1/4		1/4		1/4	4,070.35	1/4	3,774.77	1/4	3,464.42	1/4	3,140.55	1/4	2,808.99	1/4	2,477.40	1/4	2,145.74
1/2		1/2		1/2		1/2	4,362.97	1/2	4,064.33	1/2	3,768.43	1/2	3,457.81	1/2	2,802.09	1/2	2,470.49	1/2	2,138.84
3/4		3/4		3/4		3/4	4,357.79	3/4	4,058.31	3/4	3,762.09	3/4	3,451.19	3/4	2,795.18	3/4	2,463.58	3/4	2,131.93

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 37'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "KIRBY 28028"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,125.02	0	1,793.36	0	1,461.70	0	1,130.05	0	804.46	0	500.91	0	220.82	0		0			
1/4	2,118.11	1/4	1,786.45	1/4	1,454.79	1/4	1,123.14	1/4	797.89	1/4	494.82	1/4	215.22	1/4	1/4	1/4			1/4
1/2	2,111.20	1/2	1,779.54	1/2	1,447.89	1/2	1,116.23	1/2	791.37	1/2	488.77	1/2	209.67	1/2	1/2	1/2			1/2
3/4	2,104.29	3/4	1,772.63	3/4	1,440.98	3/4	1,109.32	3/4	784.84	3/4	482.72	3/4	204.11	3/4	3/4	3/4			3/4
1	2,097.38	1	1,765.72	1	1,434.07	1	1,102.41	1	778.32	1	476.67	1	198.55	1		1			1
1/4	2,090.47	1/4	1,758.81	1/4	1,427.16	1/4	1,095.50	1/4	771.79	1/4	470.62	1/4	193.00	1/4	1/4	1/4			1/4
1/2	2,083.56	1/2	1,751.90	1/2	1,420.25	1/2	1,088.59	1/2	765.31	1/2	464.61	1/2	187.48	1/2	1/2	1/2			1/2
3/4	2,076.65	3/4	1,744.99	3/4	1,413.34	3/4	1,081.68	3/4	758.82	3/4	458.60	3/4	181.96	3/4	3/4	3/4			3/4
2	2,069.74	2	1,738.08	2	1,406.43	2	1,074.78	2	752.33	2	452.59	2	176.44	2		2			2
1/4	2,062.83	1/4	1,731.17	1/4	1,399.52	1/4	1,067.87	1/4	745.85	1/4	446.58	1/4	170.92	1/4	1/4	1/4			1/4
1/2	2,055.92	1/2	1,724.27	1/2	1,392.61	1/2	1,060.97	1/2	739.39	1/2	440.61	1/2	165.44	1/2	1/2	1/2			1/2
3/4	2,049.01	3/4	1,717.36	3/4	1,385.70	3/4	1,054.07	3/4	732.93	3/4	434.64	3/4	159.97	3/4	3/4	3/4			3/4
3	2,042.10	3	1,710.45	3	1,378.79	3	1,047.17	3	726.47	3	428.68	3	154.49	3		3			3
1/4	2,035.19	1/4	1,703.54	1/4	1,371.88	1/4	1,040.27	1/4	720.01	1/4	422.71	1/4	149.02	1/4	1/4	1/4			1/4
1/2	2,028.28	1/2	1,696.63	1/2	1,364.97	1/2	1,033.38	1/2	713.59	1/2	416.78	1/2	143.58	1/2	1/2	1/2			1/2
3/4	2,021.37	3/4	1,689.72	3/4	1,358.06	3/4	1,026.50	3/4	707.17	3/4	410.85	3/4	138.14	3/4	3/4	3/4			3/4
4	2,014.46	4	1,682.81	4	1,351.15	4	1,019.61	4	700.75	4	404.92	4	132.70	4		4			4
1/4	2,007.55	1/4	1,675.90	1/4	1,344.24	1/4	1,012.73	1/4	694.33	1/4	399.00	1/4	127.26	1/4	1/4	1/4			1/4
1/2	2,000.65	1/2	1,668.99	1/2	1,337.33	1/2	1,005.87	1/2	687.95	1/2	393.11	1/2	121.87	1/2	1/2	1/2			1/2
3/4	1,993.74	3/4	1,662.08	3/4	1,330.42	3/4	999.01	3/4	681.57	3/4	387.22	3/4	116.48	3/4	3/4	3/4			3/4
5	1,986.83	5	1,655.17	5	1,323.51	5	992.14	5	675.20	5	381.34	5	111.09	5		5			5
1/4	1,979.92	1/4	1,648.26	1/4	1,316.60	1/4	985.28	1/4	668.82	1/4	375.45	1/4	105.70	1/4	1/4	1/4			1/4
1/2	1,973.01	1/2	1,641.35	1/2	1,309.70	1/2	978.46	1/2	662.48	1/2	369.61	1/2	100.35	1/2	1/2	1/2			1/2
3/4	1,966.10	3/4	1,634.44	3/4	1,302.79	3/4	971.63	3/4	656.14	3/4	363.76	3/4	94.99	3/4	3/4	3/4			3/4
6	1,959.19	6	1,627.53	6	1,295.88	6	964.80	6	649.80	6	357.92	6	89.64	6		6			6
1/4	1,952.28	1/4	1,620.62	1/4	1,288.97	1/4	957.97	1/4	643.47	1/4	352.07	1/4	84.29	1/4	1/4	1/4			1/4
1/2	1,945.37	1/2	1,613.71	1/2	1,282.06	1/2	951.20	1/2	637.17	1/2	346.27	1/2	78.98	1/2	1/2	1/2			1/2
3/4	1,938.46	3/4	1,606.80	3/4	1,275.15	3/4	944.43	3/4	630.88	3/4	340.46	3/4	73.67	3/4	3/4	3/4			3/4
7	1,931.55	7	1,599.89	7	1,268.24	7	937.66	7	624.58	7	334.66	7	68.36	7		7			7
1/4	1,924.64	1/4	1,592.98	1/4	1,261.33	1/4	930.88	1/4	618.28	1/4	328.86	1/4	63.05	1/4	1/4	1/4			1/4
1/2	1,917.73	1/2	1,586.08	1/2	1,254.42	1/2	924.15	1/2	612.03	1/2	323.09	1/2	57.78	1/2	1/2	1/2			1/2
3/4	1,910.82	3/4	1,579.17	3/4	1,247.51	3/4	917.42	3/4	605.77	3/4	317.33	3/4	52.51	3/4	3/4	3/4			3/4
8	1,903.91	8	1,572.26	8	1,240.60	8	910.69	8	599.52	8	311.56	8	47.24	8		8			8
1/4	1,897.00	1/4	1,565.35	1/4	1,233.69	1/4	903.96	1/4	593.26	1/4	305.80	1/4	41.97	1/4	1/4	1/4			1/4
1/2	1,890.09	1/2	1,558.44	1/2	1,226.78	1/2	897.27	1/2	587.05	1/2	300.08	1/2	37.61	1/2	1/2	1/2			1/2
3/4	1,883.18	3/4	1,551.53	3/4	1,219.87	3/4	890.58	3/4	580.83	3/4	294.36	3/4	33.25	3/4	3/4	3/4			3/4
9	1,876.27	9	1,544.62	9	1,212.96	9	883.89	9	574.62	9	288.63	9	28.89	9		9			9
1/4	1,869.36	1/4	1,537.71	1/4	1,206.05	1/4	877.20	1/4	568.41	1/4	282.91	1/4	24.53	1/4	1/4	1/4			1/4
1/2	1,862.46	1/2	1,530.80	1/2	1,199.14	1/2	870.55	1/2	562.23	1/2	277.23	1/2	21.93	1/2	1/2	1/2			1/2
3/4	1,855.55	3/4	1,523.89	3/4	1,192.23	3/4	863.90	3/4	556.06	3/4	271.55	3/4	19.33	3/4	3/4	3/4			3/4
10	1,848.64	10	1,516.98	10	1,185.32	10	857.25	10	549.88	10	265.86	10	16.74	10		10			10
1/4	1,841.73	1/4	1,510.07	1/4	1,178.41	1/4	850.60	1/4	543.71	1/4	260.18	1/4	14.14	1/4	1/4	1/4			1/4
1/2	1,834.82	1/2	1,503.16	1/2	1,171.51	1/2	843.99	1/2	537.58	1/2	254.54	1/2		1/2	1/2	1/2			1/2
3/4	1,827.91	3/4	1,496.25	3/4	1,164.60	3/4	837.38	3/4	531.45	3/4	248.90	3/4		3/4	3/4	3/4			3/4
11	1,821.00	11	1,489.34	11	1,157.69	11	830.77	11	525.32	11	243.27	11		11		11			11
1/4	1,814.09	1/4	1,482.43	1/4	1,150.78	1/4	824.17	1/4	519.18	1/4	237.63	1/4		1/4	1/4	1/4			1/4
1/2	1,807.18	1/2	1,475.52	1/2	1,143.87	1/2	817.60	1/2	513.09	1/2	232.03	1/2		1/2	1/2	1/2			1/2
3/4	1,800.27	3/4	1,468.61	3/4	1,136.96	3/4	811.03	3/4	507.00	3/4	226.42	3/4		3/4	3/4	3/4			3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/05/2003 CL - SW
VERIFIED: 10/13/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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



BARGE "KIRBY 28028"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 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	0	0	0	0	0	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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 12'-09" OFF CENTERLINE AND 37'-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 28028"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 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	2,130.15	0	1,798.49	0	1,466.84	0	1,135.18	0	810.37	0	506.99	0	226.42	0		0		0	
1/4	2,123.24	1/4	1,791.58	1/4	1,459.93	1/4	1,128.27	1/4	803.84	1/4	500.90	1/4	220.82	1/4	1/4	1/4		1/4	
1/2	2,116.33	1/2	1,784.67	1/2	1,453.02	1/2	1,121.36	1/2	797.31	1/2	494.81	1/2	215.22	1/2	1/2	1/2		1/2	
3/4	2,109.42	3/4	1,777.76	3/4	1,446.11	3/4	1,114.45	3/4	790.82	3/4	488.76	3/4	209.66	3/4	3/4	3/4		3/4	
1	2,102.51	1	1,770.85	1	1,439.20	1	1,107.54	1	784.33	1	482.71	1	204.10	1		1		1	
1/4	2,095.60	1/4	1,763.94	1/4	1,432.29	1/4	1,100.63	1/4	777.85	1/4	476.66	1/4	198.55	1/4	1/4	1/4		1/4	
1/2	2,088.69	1/2	1,757.03	1/2	1,425.38	1/2	1,093.72	1/2	771.36	1/2	470.61	1/2	192.99	1/2	1/2	1/2		1/2	
3/4	2,081.78	3/4	1,750.13	3/4	1,418.47	3/4	1,086.81	3/4	764.91	3/4	464.60	3/4	187.47	3/4	3/4	3/4		3/4	
2	2,074.87	2	1,743.22	2	1,411.56	2	1,079.91	2	758.47	2	458.59	2	181.95	2		2		2	
1/4	2,067.96	1/4	1,736.31	1/4	1,404.65	1/4	1,073.00	1/4	752.02	1/4	452.58	1/4	176.43	1/4	1/4	1/4		1/4	
1/2	2,061.05	1/2	1,729.40	1/2	1,397.74	1/2	1,066.09	1/2	745.57	1/2	446.57	1/2	170.91	1/2	1/2	1/2		1/2	
3/4	2,054.14	3/4	1,722.49	3/4	1,390.83	3/4	1,059.19	3/4	739.15	3/4	440.60	3/4	165.44	3/4	3/4	3/4		3/4	
3	2,047.23	3	1,715.58	3	1,383.92	3	1,052.29	3	732.72	3	434.63	3	159.96	3		3		3	
1/4	2,040.32	1/4	1,708.67	1/4	1,377.01	1/4	1,045.39	1/4	726.30	1/4	428.67	1/4	154.49	1/4	1/4	1/4		1/4	
1/2	2,033.41	1/2	1,701.76	1/2	1,370.10	1/2	1,038.49	1/2	719.88	1/2	422.70	1/2	149.02	1/2	1/2	1/2		1/2	
3/4	2,026.51	3/4	1,694.85	3/4	1,363.19	3/4	1,031.60	3/4	713.49	3/4	416.77	3/4	143.58	3/4	3/4	3/4		3/4	
4	2,019.60	4	1,687.94	4	1,356.28	4	1,024.72	4	707.10	4	410.84	4	138.14	4		4		4	
1/4	2,012.69	1/4	1,681.03	1/4	1,349.37	1/4	1,017.83	1/4	700.71	1/4	404.92	1/4	132.70	1/4	1/4	1/4		1/4	
1/2	2,005.78	1/2	1,674.12	1/2	1,342.46	1/2	1,010.95	1/2	694.32	1/2	398.99	1/2	127.26	1/2	1/2	1/2		1/2	
3/4	1,998.87	3/4	1,667.21	3/4	1,335.56	3/4	1,004.12	3/4	687.94	3/4	393.10	3/4	121.87	3/4	3/4	3/4		3/4	
5	1,991.96	5	1,660.30	5	1,328.65	5	997.29	5	681.56	5	387.22	5	116.48	5		5		5	
1/4	1,985.05	1/4	1,653.39	1/4	1,321.74	1/4	990.46	1/4	675.18	1/4	381.33	1/4	111.09	1/4	1/4	1/4		1/4	
1/2	1,978.14	1/2	1,646.48	1/2	1,314.83	1/2	983.62	1/2	668.81	1/2	375.45	1/2	105.70	1/2	1/2	1/2		1/2	
3/4	1,971.23	3/4	1,639.57	3/4	1,307.92	3/4	976.83	3/4	662.47	3/4	369.60	3/4	100.34	3/4	3/4	3/4		3/4	
6	1,964.32	6	1,632.66	6	1,301.01	6	970.04	6	656.13	6	363.75	6	94.99	6		6		6	
1/4	1,957.41	1/4	1,625.75	1/4	1,294.10	1/4	963.25	1/4	649.79	1/4	357.91	1/4	89.64	1/4	1/4	1/4		1/4	
1/2	1,950.50	1/2	1,618.84	1/2	1,287.19	1/2	956.46	1/2	643.45	1/2	352.06	1/2	84.28	1/2	1/2	1/2		1/2	
3/4	1,943.59	3/4	1,611.94	3/4	1,280.28	3/4	949.72	3/4	637.16	3/4	346.26	3/4	78.98	3/4	3/4	3/4		3/4	
7	1,936.68	7	1,605.03	7	1,273.37	7	942.99	7	630.86	7	340.46	7	73.67	7		7		7	
1/4	1,929.77	1/4	1,598.12	1/4	1,266.46	1/4	936.26	1/4	624.57	1/4	334.65	1/4	68.36	1/4	1/4	1/4		1/4	
1/2	1,922.86	1/2	1,591.21	1/2	1,259.55	1/2	929.52	1/2	618.27	1/2	328.85	1/2	63.05	1/2	1/2	1/2		1/2	
3/4	1,915.95	3/4	1,584.30	3/4	1,252.64	3/4	922.83	3/4	612.02	3/4	323.09	3/4	57.78	3/4	3/4	3/4		3/4	
8	1,909.04	8	1,577.39	8	1,245.73	8	916.14	8	605.76	8	317.32	8	52.51	8		8		8	
1/4	1,902.13	1/4	1,570.48	1/4	1,238.82	1/4	909.44	1/4	599.51	1/4	311.56	1/4	47.24	1/4	1/4	1/4		1/4	
1/2	1,895.22	1/2	1,563.57	1/2	1,231.91	1/2	902.75	1/2	593.25	1/2	305.79	1/2	41.97	1/2	1/2	1/2		1/2	
3/4	1,888.32	3/4	1,556.66	3/4	1,225.00	3/4	896.10	3/4	587.04	3/4	300.07	3/4	37.61	3/4	3/4	3/4		3/4	
9	1,881.41	9	1,549.75	9	1,218.09	9	889.45	9	580.82	9	294.35	9	33.25	9		9		9	
1/4	1,874.50	1/4	1,542.84	1/4	1,211.18	1/4	882.80	1/4	574.61	1/4	288.63	1/4	28.89	1/4	1/4	1/4		1/4	
1/2	1,867.59	1/2	1,535.93	1/2	1,204.27	1/2	876.15	1/2	568.40	1/2	282.91	1/2	24.53	1/2	1/2	1/2		1/2	
3/4	1,860.68	3/4	1,529.02	3/4	1,197.37	3/4	869.54	3/4	562.22	3/4	277.22	3/4	21.93	3/4	3/4	3/4		3/4	
10	1,853.77	10	1,522.11	10	1,190.46	10	862.93	10	556.05	10	271.54	10	19.33	10		10		10	
1/4	1,846.86	1/4	1,515.20	1/4	1,183.55	1/4	856.31	1/4	549.87	1/4	265.86	1/4	16.74	1/4	1/4	1/4		1/4	
1/2	1,839.95	1/2	1,508.29	1/2	1,176.64	1/2	849.70	1/2	543.70	1/2	260.18	1/2	14.14	1/2	1/2	1/2		1/2	
3/4	1,833.04	3/4	1,501.38	3/4	1,169.73	3/4	843.13	3/4	537.57	3/4	254.54	3/4		3/4	3/4	3/4		3/4	
11	1,826.13	11	1,494.47	11	1,162.82	11	836.57	11	531.44	11	248.90	11		11		11		11	
1/4	1,819.22	1/4	1,487.56	1/4	1,155.91	1/4	830.00	1/4	525.31	1/4	243.26	1/4		1/4	1/4	1/4		1/4	
1/2	1,812.31	1/2	1,480.65	1/2	1,149.00	1/2	823.43	1/2	519.17	1/2	237.62	1/2		1/2	1/2	1/2		1/2	
3/4	1,805.40	3/4	1,473.75	3/4	1,142.09	3/4	816.90	3/4	513.08	3/4	232.02	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/05/2003 CL - SW
VERIFIED: 10/13/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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



BARGE "KIRBY 28028"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,262.55	0	4,911.67	0	4,565.80	0	4,201.78	0	3,821.93	0	3,434.02	0	3,046.11
1/4		1/4		1/4		1/4	5,256.49	1/4	4,904.65	1/4	4,558.38	1/4	4,194.04	1/4	3,813.86	1/4	3,425.94	1/4	3,038.03
1/2		1/2		1/2		1/2	5,248.41	1/2	4,897.61	1/2	4,550.94	1/2	4,186.27	1/2	3,805.78	1/2	3,417.86	1/2	3,029.94
3/4		3/4		3/4		3/4	5,240.32	3/4	4,890.56	3/4	4,543.50	3/4	4,178.51	3/4	3,797.70	3/4	3,409.78	3/4	3,021.86
1		1		1		1	5,232.24	1	4,883.52	1	4,536.06	1	4,170.74	1	3,789.62	1	3,401.70	1	3,013.77
1/4		1/4		1/4		1/4	5,224.16	1/4	4,876.48	1/4	4,528.62	1/4	4,162.97	1/4	3,781.53	1/4	3,393.62	1/4	3,005.69
1/2		1/2		1/2		1/2	5,216.07	1/2	4,869.41	1/2	4,521.16	1/2	4,155.17	1/2	3,773.45	1/2	3,385.54	1/2	2,997.61
3/4		3/4		3/4		3/4	5,207.99	3/4	4,862.34	3/4	4,513.69	3/4	4,147.37	3/4	3,765.37	3/4	3,377.45	3/4	2,989.52
2		2		2		2	5,199.90	2	4,855.28	2	4,506.23	2	4,139.57	2	3,757.29	2	3,369.37	2	2,981.44
1/4		1/4		1/4		1/4	5,191.82	1/4	4,848.21	1/4	4,498.76	1/4	4,131.77	1/4	3,749.21	1/4	3,361.29	1/4	2,973.36
1/2		1/2		1/2		1/2	5,183.74	1/2	4,841.12	1/2	4,491.26	1/2	4,123.95	1/2	3,741.13	1/2	3,353.21	1/2	2,965.27
3/4		3/4		3/4		3/4	5,175.65	3/4	4,834.03	3/4	4,483.77	3/4	4,116.13	3/4	3,733.04	3/4	3,345.13	3/4	2,957.19
3		3		3		3	5,167.57	3	4,826.94	3	4,476.27	3	4,108.30	3	3,724.96	3	3,337.05	3	2,949.10
1/4		1/4		1/4		1/4	5,159.48	1/4	4,819.84	1/4	4,468.77	1/4	4,100.48	1/4	3,716.88	1/4	3,328.96	1/4	2,941.02
1/2		1/2		1/2		1/2	5,151.40	1/2	4,812.72	1/2	4,461.25	1/2	4,092.63	1/2	3,708.80	1/2	3,320.88	1/2	2,932.94
3/4		3/4		3/4		3/4	5,143.32	3/4	4,805.59	3/4	4,453.73	3/4	4,084.78	3/4	3,700.72	3/4	3,312.80	3/4	2,924.85
4		4		4		4	5,135.23	4	4,798.47	4	4,446.21	4	4,076.93	4	3,692.64	4	3,304.72	4	2,916.77
1/4		1/4		1/4		1/4	5,127.15	1/4	4,791.34	1/4	4,438.69	1/4	4,069.09	1/4	3,684.55	1/4	3,296.64	1/4	2,908.68
1/2		1/2		1/2		1/2	5,120.25	1/2	4,784.20	1/2	4,431.14	1/2	4,061.21	1/2	3,676.47	1/2	3,288.56	1/2	2,900.60
3/4		3/4		3/4		3/4	5,113.36	3/4	4,777.05	3/4	4,423.59	3/4	4,053.33	3/4	3,668.39	3/4	3,280.47	3/4	2,892.52
5		5		5		5	5,106.46	5	4,769.90	5	4,416.05	5	4,045.45	5	3,660.31	5	3,272.39	5	2,884.43
1/4		1/4		1/4		1/4	5,099.56	1/4	4,762.75	1/4	4,408.50	1/4	4,037.56	1/4	3,652.23	1/4	3,264.31	1/4	2,876.35
1/2		1/2		1/2		1/2	5,092.64	1/2	4,755.58	1/2	4,400.92	1/2	4,029.66	1/2	3,644.15	1/2	3,256.23	1/2	2,868.26
3/4		3/4		3/4		3/4	5,085.72	3/4	4,748.40	3/4	4,393.34	3/4	4,021.75	3/4	3,636.06	3/4	3,248.15	3/4	2,860.18
6		6		6		6	5,078.80	6	4,741.23	6	4,385.76	6	4,013.85	6	3,627.98	6	3,240.07	6	2,852.10
1/4		1/4		1/4		1/4	5,071.88	1/4	4,734.06	1/4	4,378.19	1/4	4,005.94	1/4	3,619.90	1/4	3,231.98	1/4	2,844.01
1/2		1/2		1/2		1/2	5,064.94	1/2	4,726.85	1/2	4,370.58	1/2	3,998.00	1/2	3,611.82	1/2	3,223.90	1/2	2,835.93
3/4		3/4		3/4		3/4	5,057.99	3/4	4,719.65	3/4	4,362.98	3/4	3,990.06	3/4	3,603.74	3/4	3,215.82	3/4	2,827.85
7		7		7		7	5,051.05	7	4,712.44	7	4,355.38	7	3,982.12	7	3,595.66	7	3,207.74	7	2,819.76
1/4		1/4		1/4		1/4	5,044.10	1/4	4,705.24	1/4	4,347.77	1/4	3,974.18	1/4	3,587.58	1/4	3,199.66	1/4	2,811.68
1/2		1/2		1/2		1/2	5,037.13	1/2	4,698.01	1/2	4,340.14	1/2	3,966.22	1/2	3,579.49	1/2	3,191.58	1/2	2,803.59
3/4		3/4		3/4		3/4	5,030.15	3/4	4,690.78	3/4	4,332.52	3/4	3,958.26	3/4	3,571.41	3/4	3,183.50	3/4	2,795.51
8		8		8		8	5,023.17	8	4,683.55	8	4,324.89	8	3,950.30	8	3,563.33	8	3,175.41	8	2,787.43
1/4		1/4		1/4		1/4	5,016.20	1/4	4,676.32	1/4	4,317.26	1/4	3,942.34	1/4	3,555.25	1/4	3,167.33	1/4	2,779.34
1/2		1/2		1/2		1/2	5,009.27	1/2	4,668.99	1/2	4,309.60	1/2	3,934.35	1/2	3,547.17	1/2	3,159.25	1/2	2,771.26
3/4		3/4		3/4		3/4	5,002.34	3/4	4,661.66	3/4	4,301.94	3/4	3,926.36	3/4	3,539.09	3/4	3,151.17	3/4	2,763.17
9		9		9		9	4,995.41	9	4,654.34	9	4,294.28	9	3,918.38	9	3,531.00	9	3,143.09	9	2,755.09
1/4		1/4		1/4		1/4	4,988.47	1/4	4,647.01	1/4	4,286.62	1/4	3,910.39	1/4	3,522.92	1/4	3,135.01	1/4	2,747.01
1/2		1/2		1/2		1/2	4,981.52	1/2	4,639.65	1/2	4,278.94	1/2	3,902.37	1/2	3,514.84	1/2	3,126.92	1/2	2,738.92
3/4		3/4		3/4		3/4	4,974.56	3/4	4,632.29	3/4	4,271.25	3/4	3,894.35	3/4	3,506.76	3/4	3,118.84	3/4	2,730.84
10		10		10		10	4,967.61	10	4,624.94	10	4,263.57	10	3,886.33	10	3,498.68	10	3,110.76	10	2,722.75
1/4		1/4		1/4		1/4	4,960.65	1/4	4,617.58	1/4	4,255.88	1/4	3,878.30	1/4	3,490.60	1/4	3,102.68	1/4	2,714.67
1/2		1/2		1/2		1/2	4,953.66	1/2	4,610.20	1/2	4,248.16	1/2	3,870.26	1/2	3,482.51	1/2	3,094.60	1/2	2,706.59
3/4		3/4		3/4		3/4	4,946.68	3/4	4,602.81	3/4	4,240.44	3/4	3,862.22	3/4	3,474.43	3/4	3,086.52	3/4	2,698.50
11		11		11		11	4,939.69	11	4,595.43	11	4,232.72	11	3,854.17	11	3,466.35	11	3,078.43	11	2,690.42
1/4		1/4		1/4		1/4	4,932.70	1/4	4,588.05	1/4	4,225.00	1/4	3,846.13	1/4	3,458.27	1/4	3,070.35	1/4	2,682.33
1/2		1/2		1/2		1/2	4,925.69	1/2	4,580.63	1/2	4,217.26	1/2	3,838.06	1/2	3,450.19	1/2	3,062.27	1/2	2,674.25
3/4		3/4		3/4		3/4	5,268.62	3/4	4,918.68	3/4	4,573.21	3/4	4,209.52	3/4	3,830.00	3/4	3,442.11	3/4	3,054.19

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO 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 43'-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 28028"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,658.08	0	2,270.06	0	1,882.03	0	1,494.00	0	1,105.97	0	718.46	0	331.02	0		0		0	
1/4	2,650.00	1/4	2,261.97	1/4	1,873.94	1/4	1,485.92	1/4	1,097.89	1/4	710.40	1/4	322.94	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,641.92	1/2	2,253.89	1/2	1,865.86	1/2	1,477.83	1/2	1,089.81	1/2	702.34	1/2	314.87	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,633.83	3/4	2,245.80	3/4	1,857.78	3/4	1,469.75	3/4	1,081.72	3/4	694.28	3/4	306.79	3/4	3/4	3/4	3/4	3/4	3/4
1	2,625.75	1	2,237.72	1	1,849.69	1	1,461.67	1	1,073.64	1	686.22	1	298.72	1	1	1	1	1	1
1/4	2,617.66	1/4	2,229.64	1/4	1,841.61	1/4	1,453.58	1/4	1,065.55	1/4	678.16	1/4	290.64	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,609.58	1/2	2,221.55	1/2	1,833.53	1/2	1,445.50	1/2	1,057.47	1/2	670.10	1/2	282.57	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,601.50	3/4	2,213.47	3/4	1,825.44	3/4	1,437.41	3/4	1,049.39	3/4	662.04	3/4	274.49	3/4	3/4	3/4	3/4	3/4	3/4
2	2,593.41	2	2,205.38	2	1,817.36	2	1,429.33	2	1,041.30	2	653.98	2	266.42	2	2	2	2	2	2
1/4	2,585.33	1/4	2,197.30	1/4	1,809.27	1/4	1,421.25	1/4	1,033.22	1/4	645.92	1/4	258.34	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,577.24	1/2	2,189.22	1/2	1,801.19	1/2	1,413.16	1/2	1,025.14	1/2	637.86	1/2	250.27	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,569.16	3/4	2,181.13	3/4	1,793.11	3/4	1,405.08	3/4	1,017.05	3/4	629.79	3/4	242.19	3/4	3/4	3/4	3/4	3/4	3/4
3	2,561.08	3	2,173.05	3	1,785.02	3	1,396.99	3	1,008.97	3	621.72	3	234.12	3	3	3	3	3	3
1/4	2,552.99	1/4	2,164.97	1/4	1,776.94	1/4	1,388.91	1/4	1,000.88	1/4	613.65	1/4	226.04	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,544.91	1/2	2,156.88	1/2	1,768.85	1/2	1,380.83	1/2	992.80	1/2	605.57	1/2	217.96	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,536.82	3/4	2,148.80	3/4	1,760.77	3/4	1,372.74	3/4	984.72	3/4	597.50	3/4	209.89	3/4	3/4	3/4	3/4	3/4	3/4
4	2,528.74	4	2,140.71	4	1,752.69	4	1,364.66	4	976.63	4	589.42	4	201.81	4	4	4	4	4	4
1/4	2,520.66	1/4	2,132.63	1/4	1,744.60	1/4	1,356.58	1/4	968.55	1/4	581.35	1/4	193.74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,512.57	1/2	2,124.55	1/2	1,736.52	1/2	1,348.49	1/2	960.46	1/2	573.27	1/2	185.66	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,504.49	3/4	2,116.46	3/4	1,728.43	3/4	1,340.41	3/4	952.38	3/4	565.20	3/4	177.59	3/4	3/4	3/4	3/4	3/4	3/4
5	2,496.41	5	2,108.38	5	1,720.35	5	1,332.32	5	944.30	5	557.12	5	169.51	5	5	5	5	5	5
1/4	2,488.32	1/4	2,100.29	1/4	1,712.27	1/4	1,324.24	1/4	936.21	1/4	549.05	1/4	161.44	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,480.24	1/2	2,092.21	1/2	1,704.18	1/2	1,316.16	1/2	928.13	1/2	540.97	1/2	153.36	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,472.15	3/4	2,084.13	3/4	1,696.10	3/4	1,308.07	3/4	920.04	3/4	532.90	3/4	145.29	3/4	3/4	3/4	3/4	3/4	3/4
6	2,464.07	6	2,076.04	6	1,688.02	6	1,299.99	6	911.96	6	524.82	6	137.21	6	6	6	6	6	6
1/4	2,455.99	1/4	2,067.96	1/4	1,679.93	1/4	1,291.90	1/4	903.88	1/4	516.75	1/4	129.14	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,447.90	1/2	2,059.87	1/2	1,671.85	1/2	1,283.82	1/2	895.81	1/2	508.67	1/2	121.06	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,439.82	3/4	2,051.79	3/4	1,663.76	3/4	1,275.74	3/4	887.73	3/4	500.60	3/4	112.99	3/4	3/4	3/4	3/4	3/4	3/4
7	2,431.73	7	2,043.71	7	1,655.68	7	1,267.65	7	879.66	7	492.52	7	104.91	7	7	7	7	7	7
1/4	2,423.65	1/4	2,035.62	1/4	1,647.60	1/4	1,259.57	1/4	871.59	1/4	484.45	1/4	96.84	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,415.57	1/2	2,027.54	1/2	1,639.51	1/2	1,251.48	1/2	863.53	1/2	476.37	1/2	88.76	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,407.48	3/4	2,019.46	3/4	1,631.43	3/4	1,243.40	3/4	855.47	3/4	468.30	3/4	80.69	3/4	3/4	3/4	3/4	3/4	3/4
8	2,399.40	8	2,011.37	8	1,623.34	8	1,235.32	8	847.41	8	460.22	8	72.61	8	8	8	8	8	8
1/4	2,391.31	1/4	2,003.29	1/4	1,615.26	1/4	1,227.23	1/4	839.35	1/4	452.15	1/4	64.54	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,383.23	1/2	1,995.20	1/2	1,607.18	1/2	1,219.15	1/2	831.29	1/2	444.07	1/2	57.47	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,375.15	3/4	1,987.12	3/4	1,599.09	3/4	1,211.07	3/4	823.23	3/4	436.00	3/4	50.40	3/4	3/4	3/4	3/4	3/4	3/4
9	2,367.06	9	1,979.04	9	1,591.01	9	1,202.98	9	815.17	9	427.92	9	43.34	9	9	9	9	9	9
1/4	2,358.98	1/4	1,970.95	1/4	1,582.92	1/4	1,194.90	1/4	807.11	1/4	419.84	1/4	36.27	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,350.90	1/2	1,962.87	1/2	1,574.84	1/2	1,186.81	1/2	799.05	1/2	411.77	1/2	31.23	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,342.81	3/4	1,954.78	3/4	1,566.76	3/4	1,178.73	3/4	791.00	3/4	403.69	3/4	26.19	3/4	3/4	3/4	3/4	3/4	3/4
10	2,334.73	10	1,946.70	10	1,558.67	10	1,170.65	10	782.94	10	395.62	10	21.14	10	10	10	10	10	10
1/4	2,326.64	1/4	1,938.62	1/4	1,550.59	1/4	1,162.56	1/4	774.88	1/4	387.54	1/4	16.10	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,318.56	1/2	1,930.53	1/2	1,542.51	1/2	1,154.48	1/2	766.82	1/2	379.47	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,310.48	3/4	1,922.45	3/4	1,534.42	3/4	1,146.39	3/4	758.76	3/4	371.39	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,302.39	11	1,914.36	11	1,526.34	11	1,138.31	11	750.70	11	363.32	11		11	11	11	11	11	11
1/4	2,294.31	1/4	1,906.28	1/4	1,518.25	1/4	1,130.23	1/4	742.64	1/4	355.24	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,286.22	1/2	1,898.20	1/2	1,510.17	1/2	1,122.14	1/2	734.58	1/2	347.17	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,278.14	3/4	1,890.11	3/4	1,502.09	3/4	1,114.06	3/4	726.52	3/4	339.09	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/05/2003 CL - SW
VERIFIED: 10/13/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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



BARGE "KIRBY 28028"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,226.75	0	4,875.74	0	4,529.76	0	4,165.62	0	3,785.65	0	3,397.62	0	3,009.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,220.68	1/4	4,868.73	1/4	4,522.34	1/4	4,157.88	1/4	3,777.58	1/4	3,389.54	1/4	3,001.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,212.60	1/2	4,861.68	1/2	4,514.89	1/2	4,150.11	1/2	3,769.49	1/2	3,381.45	1/2	2,993.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,204.51	3/4	4,854.63	3/4	4,507.45	3/4	4,142.34	3/4	3,761.41	3/4	3,373.37	3/4	2,985.33
1		1		1		1	5,196.42	1	4,847.59	1	4,500.01	1	4,134.57	1	3,753.32	1	3,365.29	1	2,977.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,188.34	1/4	4,840.54	1/4	4,492.57	1/4	4,126.80	1/4	3,745.24	1/4	3,357.20	1/4	2,969.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,180.25	1/2	4,833.47	1/2	4,485.10	1/2	4,119.00	1/2	3,737.16	1/2	3,349.12	1/2	2,961.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,172.16	3/4	4,826.40	3/4	4,477.63	3/4	4,111.20	3/4	3,729.07	3/4	3,341.03	3/4	2,952.98
2		2		2		2	5,164.08	2	4,819.34	2	4,470.17	2	4,103.40	2	3,720.99	2	3,332.95	2	2,944.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,155.99	1/4	4,812.27	1/4	4,462.70	1/4	4,095.59	1/4	3,712.90	1/4	3,324.87	1/4	2,936.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,147.91	1/2	4,805.17	1/2	4,455.20	1/2	4,087.77	1/2	3,704.82	1/2	3,316.78	1/2	2,928.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,139.82	3/4	4,798.08	3/4	4,447.70	3/4	4,079.94	3/4	3,696.73	3/4	3,308.70	3/4	2,920.64
3		3		3		3	5,131.73	3	4,790.98	3	4,440.20	3	4,072.12	3	3,688.65	3	3,300.61	3	2,912.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,123.65	1/4	4,783.89	1/4	4,432.70	1/4	4,064.29	1/4	3,680.57	1/4	3,292.53	1/4	2,904.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,115.56	1/2	4,776.76	1/2	4,425.17	1/2	4,056.44	1/2	3,672.48	1/2	3,284.45	1/2	2,896.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,107.47	3/4	4,769.63	3/4	4,417.65	3/4	4,048.59	3/4	3,664.40	3/4	3,276.36	3/4	2,888.29
4		4		4		4	5,099.39	4	4,762.51	4	4,410.13	4	4,040.74	4	3,656.31	4	3,268.28	4	2,880.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,091.30	1/4	4,755.38	1/4	4,402.60	1/4	4,032.89	1/4	3,648.23	1/4	3,260.19	1/4	2,872.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,084.40	1/2	4,748.23	1/2	4,395.05	1/2	4,025.00	1/2	3,640.15	1/2	3,252.11	1/2	2,864.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,077.50	3/4	4,741.08	3/4	4,387.51	3/4	4,017.12	3/4	3,632.06	3/4	3,244.02	3/4	2,855.95
5		5		5		5	5,070.61	5	4,733.93	5	4,379.96	5	4,009.24	5	3,623.98	5	3,235.94	5	2,847.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,063.71	1/4	4,726.78	1/4	4,372.41	1/4	4,001.36	1/4	3,615.89	1/4	3,227.86	1/4	2,839.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,056.78	1/2	4,719.60	1/2	4,364.83	1/2	3,993.45	1/2	3,607.81	1/2	3,219.77	1/2	2,831.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,049.86	3/4	4,712.43	3/4	4,357.25	3/4	3,985.54	3/4	3,599.73	3/4	3,211.69	3/4	2,823.60
6		6		6		6	5,042.94	6	4,705.25	6	4,349.66	6	3,977.63	6	3,591.64	6	3,203.60	6	2,815.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,036.02	1/4	4,698.07	1/4	4,342.08	1/4	3,969.73	1/4	3,583.56	1/4	3,195.52	1/4	2,807.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,029.07	1/2	4,690.87	1/2	4,334.48	1/2	3,961.78	1/2	3,575.47	1/2	3,187.44	1/2	2,799.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,022.12	3/4	4,683.66	3/4	4,326.87	3/4	3,953.84	3/4	3,567.39	3/4	3,179.35	3/4	2,791.26
7		7		7		7	5,015.17	7	4,676.45	7	4,319.27	7	3,945.90	7	3,559.30	7	3,171.27	7	2,783.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,008.23	1/4	4,669.24	1/4	4,311.66	1/4	3,937.95	1/4	3,551.22	1/4	3,163.18	1/4	2,775.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,001.25	1/2	4,662.01	1/2	4,304.03	1/2	3,929.99	1/2	3,543.14	1/2	3,155.10	1/2	2,767.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,994.27	3/4	4,654.78	3/4	4,296.40	3/4	3,922.03	3/4	3,535.05	3/4	3,147.02	3/4	2,758.91
8		8		8		8	4,987.29	8	4,647.54	8	4,288.77	8	3,914.06	8	3,526.97	8	3,138.93	8	2,750.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,980.31	1/4	4,640.31	1/4	4,281.14	1/4	3,906.10	1/4	3,518.88	1/4	3,130.85	1/4	2,742.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,973.38	1/2	4,632.98	1/2	4,273.48	1/2	3,898.11	1/2	3,510.80	1/2	3,122.76	1/2	2,734.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,966.44	3/4	4,625.65	3/4	4,265.81	3/4	3,890.12	3/4	3,502.72	3/4	3,114.68	3/4	2,726.57
9		9		9		9	4,959.51	9	4,618.33	9	4,258.15	9	3,882.13	9	3,494.63	9	3,106.60	9	2,718.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,952.58	1/4	4,611.00	1/4	4,250.49	1/4	3,874.14	1/4	3,486.55	1/4	3,098.51	1/4	2,710.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,945.62	1/2	4,603.64	1/2	4,242.80	1/2	3,866.12	1/2	3,478.46	1/2	3,090.43	1/2	2,702.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,938.66	3/4	4,596.28	3/4	4,235.12	3/4	3,858.09	3/4	3,470.38	3/4	3,082.34	3/4	2,694.22
10		10		10		10	4,931.70	10	4,588.92	10	4,227.43	10	3,850.07	10	3,462.30	10	3,074.26	10	2,686.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,924.74	1/4	4,581.56	1/4	4,219.74	1/4	3,842.05	1/4	3,454.21	1/4	3,066.17	1/4	2,678.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,917.76	1/2	4,574.17	1/2	4,212.02	1/2	3,834.00	1/2	3,446.13	1/2	3,058.09	1/2	2,669.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,910.77	3/4	4,566.79	3/4	4,204.30	3/4	3,825.95	3/4	3,438.04	3/4	3,050.01	3/4	2,661.88
11		11		11		11	4,903.78	11	4,559.40	11	4,196.58	11	3,817.91	11	3,429.96	11	3,041.92	11	2,653.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,896.79	1/4	4,552.01	1/4	4,188.85	1/4	3,809.86	1/4	3,421.88	1/4	3,033.84	1/4	2,645.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,889.77	1/2	4,544.59	1/2	4,181.11	1/2	3,801.79	1/2	3,413.79	1/2	3,025.75	1/2	2,637.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,232.81	3/4	4,882.76	3/4	4,537.18	3/4	4,173.37	3/4	3,793.72	3/4	3,017.67	3/4	2,629.53

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 43'-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 28028"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,621.45	0	2,233.30	0	1,845.16	0	1,457.02	0	1,084.07	0	713.75	0	331.82	0		0		0	
1/4	2,613.36	1/4	2,225.22	1/4	1,837.07	1/4	1,448.93	1/4	1,076.48	1/4	706.00	1/4	323.73	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,605.27	1/2	2,217.13	1/2	1,828.99	1/2	1,440.85	1/2	1,068.88	1/2	698.25	1/2	315.65	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,597.19	3/4	2,209.04	3/4	1,820.90	3/4	1,432.76	3/4	1,061.28	3/4	690.50	3/4	307.56	3/4	3/4	3/4	3/4	3/4	3/4
1	2,589.10	1	2,200.96	1	1,812.82	1	1,424.67	1	1,053.69	1	682.75	1	299.48	1	1	1	1	1	1
1/4	2,581.01	1/4	2,192.87	1/4	1,804.73	1/4	1,416.59	1/4	1,046.09	1/4	675.00	1/4	291.39	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,572.93	1/2	2,184.79	1/2	1,796.64	1/2	1,408.50	1/2	1,038.50	1/2	667.25	1/2	283.31	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,564.84	3/4	2,176.70	3/4	1,788.56	3/4	1,400.41	3/4	1,030.90	3/4	659.50	3/4	275.22	3/4	3/4	3/4	3/4	3/4	3/4
2	2,556.76	2	2,168.61	2	1,780.47	2	1,392.33	2	1,023.30	2	651.75	2	267.14	2	2	2	2	2	2
1/4	2,548.67	1/4	2,160.53	1/4	1,772.38	1/4	1,384.24	1/4	1,015.71	1/4	643.99	1/4	259.05	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,540.58	1/2	2,152.44	1/2	1,764.30	1/2	1,376.16	1/2	1,008.11	1/2	636.23	1/2	250.97	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,532.50	3/4	2,144.35	3/4	1,756.21	3/4	1,368.07	3/4	1,000.52	3/4	628.47	3/4	242.88	3/4	3/4	3/4	3/4	3/4	3/4
3	2,524.41	3	2,136.27	3	1,748.13	3	1,359.98	3	992.92	3	620.71	3	234.79	3	3	3	3	3	3
1/4	2,516.32	1/4	2,128.18	1/4	1,740.04	1/4	1,351.90	1/4	985.32	1/4	612.95	1/4	226.71	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,508.24	1/2	2,120.10	1/2	1,731.95	1/2	1,343.81	1/2	977.73	1/2	605.18	1/2	218.62	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,500.15	3/4	2,112.01	3/4	1,723.87	3/4	1,335.72	3/4	970.13	3/4	597.40	3/4	210.54	3/4	3/4	3/4	3/4	3/4	3/4
4	2,492.07	4	2,103.92	4	1,715.78	4	1,327.64	4	962.53	4	589.63	4	202.45	4	4	4	4	4	4
1/4	2,483.98	1/4	2,095.84	1/4	1,707.69	1/4	1,319.55	1/4	954.94	1/4	581.85	1/4	194.37	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,475.89	1/2	2,087.75	1/2	1,699.61	1/2	1,311.96	1/2	947.00	1/2	573.92	1/2	186.28	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,467.81	3/4	2,079.66	3/4	1,691.52	3/4	1,304.36	3/4	939.07	3/4	565.99	3/4	178.20	3/4	3/4	3/4	3/4	3/4	3/4
5	2,459.72	5	2,071.58	5	1,683.44	5	1,296.76	5	931.14	5	558.06	5	170.11	5	5	5	5	5	5
1/4	2,451.63	1/4	2,063.49	1/4	1,675.35	1/4	1,289.17	1/4	923.20	1/4	550.13	1/4	162.03	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,443.55	1/2	2,055.40	1/2	1,667.26	1/2	1,281.57	1/2	915.43	1/2	542.04	1/2	153.94	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,435.46	3/4	2,047.32	3/4	1,659.18	3/4	1,273.97	3/4	907.65	3/4	533.95	3/4	145.86	3/4	3/4	3/4	3/4	3/4	3/4
6	2,427.37	6	2,039.23	6	1,651.09	6	1,266.38	6	899.87	6	525.87	6	137.77	6	6	6	6	6	6
1/4	2,419.29	1/4	2,031.15	1/4	1,643.00	1/4	1,258.78	1/4	892.10	1/4	517.78	1/4	129.68	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,411.20	1/2	2,023.06	1/2	1,634.92	1/2	1,251.19	1/2	884.33	1/2	509.70	1/2	121.60	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,403.12	3/4	2,014.97	3/4	1,626.83	3/4	1,243.59	3/4	876.57	3/4	501.61	3/4	113.51	3/4	3/4	3/4	3/4	3/4	3/4
7	2,395.03	7	2,006.89	7	1,618.74	7	1,235.99	7	868.81	7	493.53	7	105.43	7	7	7	7	7	7
1/4	2,386.94	1/4	1,998.80	1/4	1,610.66	1/4	1,228.40	1/4	861.04	1/4	485.44	1/4	97.34	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,378.86	1/2	1,990.71	1/2	1,602.57	1/2	1,220.80	1/2	853.29	1/2	477.36	1/2	89.26	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,370.77	3/4	1,982.63	3/4	1,594.49	3/4	1,213.21	3/4	845.54	3/4	469.27	3/4	81.17	3/4	3/4	3/4	3/4	3/4	3/4
8	2,362.68	8	1,974.54	8	1,586.40	8	1,205.61	8	837.79	8	461.19	8	73.09	8	8	8	8	8	8
1/4	2,354.60	1/4	1,966.46	1/4	1,578.31	1/4	1,198.01	1/4	830.03	1/4	453.10	1/4	65.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,346.51	1/2	1,958.37	1/2	1,570.23	1/2	1,190.42	1/2	822.28	1/2	445.02	1/2	57.93	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,338.43	3/4	1,950.28	3/4	1,562.14	3/4	1,182.82	3/4	814.53	3/4	436.93	3/4	50.85	3/4	3/4	3/4	3/4	3/4	3/4
9	2,330.34	9	1,942.20	9	1,554.05	9	1,175.23	9	806.78	9	428.84	9	43.77	9	9	9	9	9	9
1/4	2,322.25	1/4	1,934.11	1/4	1,545.97	1/4	1,167.63	1/4	799.02	1/4	420.76	1/4	36.70	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,314.17	1/2	1,926.02	1/2	1,537.88	1/2	1,160.03	1/2	791.27	1/2	412.67	1/2	31.64	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,306.08	3/4	1,917.94	3/4	1,529.80	3/4	1,152.44	3/4	783.52	3/4	404.59	3/4	26.59	3/4	3/4	3/4	3/4	3/4	3/4
10	2,297.99	10	1,909.85	10	1,521.71	10	1,144.84	10	775.77	10	396.50	10	21.54	10	10	10	10	10	10
1/4	2,289.91	1/4	1,901.77	1/4	1,513.62	1/4	1,137.25	1/4	768.02	1/4	388.42	1/4	16.48	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,281.82	1/2	1,893.68	1/2	1,505.54	1/2	1,129.65	1/2	760.26	1/2	380.33	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,273.73	3/4	1,885.59	3/4	1,497.45	3/4	1,122.05	3/4	752.51	3/4	372.25	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,265.65	11	1,877.51	11	1,489.36	11	1,114.46	11	744.76	11	364.16	11		11	11	11	11	11	11
1/4	2,257.56	1/4	1,869.42	1/4	1,481.28	1/4	1,106.86	1/4	737.01	1/4	356.08	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,249.48	1/2	1,861.33	1/2	1,473.19	1/2	1,099.26	1/2	729.25	1/2	347.99	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,241.39	3/4	1,853.25	3/4	1,465.10	3/4	1,091.67	3/4	721.50	3/4	339.91	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/05/2003 CL - SW
VERIFIED: 10/13/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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



BARGE "KIRBY 28028"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	4,624.42	0	4,357.73	0	4,094.52	0	3,818.09	0	3,529.63	0	3,200.25	0	2,838.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,619.82	1/4	4,352.39	1/4	4,088.89	1/4	3,812.21	1/4	3,523.50	1/4	3,192.72	1/4	2,831.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,613.68	1/2	4,347.02	1/2	4,083.24	1/2	3,806.32	1/2	3,517.37	1/2	3,185.19	1/2	2,823.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,607.54	3/4	4,341.66	3/4	4,077.59	3/4	3,800.42	3/4	3,511.23	3/4	3,177.66	3/4	2,816.24
1	1	1	1	1	1	1	4,601.40	1	4,336.29	1	4,071.94	1	3,794.52	1	3,505.09	1	3,170.13	1	2,808.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,595.26	1/4	4,330.92	1/4	4,066.29	1/4	3,788.62	1/4	3,498.96	1/4	3,162.60	1/4	2,801.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,589.12	1/2	4,325.54	1/2	4,060.63	1/2	3,782.70	1/2	3,492.82	1/2	3,155.07	1/2	2,793.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,582.99	3/4	4,320.16	3/4	4,054.96	3/4	3,776.78	3/4	3,486.68	3/4	3,147.54	3/4	2,786.12
2	2	2	2	2	2	2	4,576.85	2	4,314.78	2	4,049.29	2	3,770.85	2	3,480.54	2	3,140.01	2	2,778.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,570.71	1/4	4,309.39	1/4	4,043.62	1/4	3,764.93	1/4	3,474.41	1/4	3,132.48	1/4	2,771.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,564.57	1/2	4,303.99	1/2	4,037.92	1/2	3,758.99	1/2	3,468.27	1/2	3,124.95	1/2	2,763.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,558.43	3/4	4,298.59	3/4	4,032.23	3/4	3,753.05	3/4	3,462.13	3/4	3,117.42	3/4	2,755.99
3	3	3	3	3	3	3	4,552.29	3	4,293.19	3	4,026.54	3	3,747.11	3	3,456.00	3	3,109.89	3	2,748.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,546.16	1/4	4,287.78	1/4	4,020.84	1/4	3,741.17	1/4	3,449.86	1/4	3,102.36	1/4	2,740.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,540.02	1/2	4,282.36	1/2	4,015.13	1/2	3,735.21	1/2	3,443.58	1/2	3,094.83	1/2	2,733.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,533.88	3/4	4,276.93	3/4	4,009.42	3/4	3,729.24	3/4	3,437.31	3/4	3,087.30	3/4	2,725.87
4	4	4	4	4	4	4	4,527.74	4	4,271.50	4	4,003.71	4	3,723.28	4	3,431.03	4	3,079.78	4	2,718.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,521.60	1/4	4,266.07	1/4	3,998.00	1/4	3,717.32	1/4	3,424.75	1/4	3,072.25	1/4	2,710.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,516.37	1/2	4,260.63	1/2	3,992.27	1/2	3,711.34	1/2	3,418.20	1/2	3,064.72	1/2	2,703.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,511.13	3/4	4,255.18	3/4	3,986.54	3/4	3,705.36	3/4	3,411.64	3/4	3,057.19	3/4	2,695.74
5	5	5	5	5	5	5	4,505.89	5	4,249.74	5	3,980.80	5	3,699.37	5	3,405.09	5	3,049.66	5	2,688.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,500.66	1/4	4,244.29	1/4	3,975.07	1/4	3,693.39	1/4	3,398.53	1/4	3,042.13	1/4	2,680.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,495.40	1/2	4,238.83	1/2	3,969.32	1/2	3,687.38	1/2	3,391.70	1/2	3,034.60	1/2	2,673.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,490.15	3/4	4,233.37	3/4	3,963.56	3/4	3,681.38	3/4	3,384.87	3/4	3,027.07	3/4	2,665.62
6	6	6	6	6	6	6	4,484.89	6	4,227.90	6	3,957.81	6	3,675.38	6	3,378.03	6	3,019.54	6	2,658.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,479.64	1/4	4,222.44	1/4	3,952.05	1/4	3,669.38	1/4	3,371.20	1/4	3,012.01	1/4	2,650.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,474.37	1/2	4,216.95	1/2	3,946.28	1/2	3,663.34	1/2	3,364.09	1/2	3,004.48	1/2	2,643.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,469.09	3/4	4,211.46	3/4	3,940.51	3/4	3,657.31	3/4	3,356.98	3/4	2,996.95	3/4	2,635.49
7	7	7	7	7	7	7	4,463.82	7	4,205.97	7	3,934.73	7	3,651.28	7	3,349.86	7	2,989.42	7	2,627.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,458.55	1/4	4,200.48	1/4	3,928.96	1/4	3,645.25	1/4	3,342.75	1/4	2,981.89	1/4	2,620.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,453.25	1/2	4,194.97	1/2	3,923.17	1/2	3,639.21	1/2	3,335.36	1/2	2,974.36	1/2	2,612.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,447.95	3/4	4,189.47	3/4	3,917.37	3/4	3,633.16	3/4	3,327.97	3/4	2,966.83	3/4	2,605.37
8	8	8	8	8	8	8	4,442.65	8	4,183.96	8	3,911.58	8	3,627.12	8	3,320.58	8	2,959.30	8	2,597.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,437.36	1/4	4,178.45	1/4	3,905.79	1/4	3,621.07	1/4	3,313.19	1/4	2,951.77	1/4	2,590.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,432.08	1/2	4,172.89	1/2	3,899.97	1/2	3,615.01	1/2	3,305.66	1/2	2,944.24	1/2	2,582.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,426.80	3/4	4,167.33	3/4	3,894.15	3/4	3,608.94	3/4	3,298.13	3/4	2,936.71	3/4	2,575.24
9	9	9	9	9	9	9	4,421.52	9	4,161.76	9	3,888.34	9	3,602.88	9	3,290.60	9	2,929.19	9	2,567.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,416.24	1/4	4,156.20	1/4	3,882.52	1/4	3,596.81	1/4	3,283.07	1/4	2,921.66	1/4	2,560.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,410.94	1/2	4,150.61	1/2	3,876.68	1/2	3,590.72	1/2	3,275.54	1/2	2,914.13	1/2	2,552.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,405.64	3/4	4,145.02	3/4	3,870.85	3/4	3,584.63	3/4	3,268.01	3/4	2,906.60	3/4	2,545.12
10	10	10	10	10	10	10	4,400.34	10	4,139.44	10	3,865.01	10	3,578.54	10	3,260.48	10	2,899.07	10	2,537.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,395.04	1/4	4,133.85	1/4	3,859.18	1/4	3,572.45	1/4	3,252.95	1/4	2,891.54	1/4	2,530.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,389.72	1/2	4,128.24	1/2	3,853.31	1/2	3,566.34	1/2	3,245.42	1/2	2,884.01	1/2	2,522.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,384.40	3/4	4,122.64	3/4	3,847.45	3/4	3,560.23	3/4	3,237.89	3/4	2,876.48	3/4	2,515.00
11	11	11	11	11	11	11	4,379.08	11	4,117.03	11	3,841.59	11	3,554.12	11	3,230.37	11	2,868.95	11	2,507.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,373.76	1/4	4,111.42	1/4	3,835.73	1/4	3,548.01	1/4	3,222.84	1/4	2,861.42	1/4	2,499.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,368.41	1/2	4,105.79	1/2	3,829.85	1/2	3,541.89	1/2	3,215.31	1/2	2,853.89	1/2	2,492.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,629.03	3/4	4,363.07	3/4	4,100.16	3/4	3,823.97	3/4	3,535.76	3/4	3,207.78	3/4	2,484.87

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 46'-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 28028"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,477.34	0	2,115.85	0	1,754.35	0	1,392.86	0	1,031.64	0	670.69	0	309.21	0		0		0	
1/4	2,469.81	1/4	2,108.32	1/4	1,746.82	1/4	1,385.33	1/4	1,024.14	1/4	663.16	1/4	301.68	1/4	1/4		1/4		1/4
1/2	2,462.28	1/2	2,100.79	1/2	1,739.29	1/2	1,377.80	1/2	1,016.63	1/2	655.63	1/2	294.15	1/2	1/2		1/2		1/2
3/4	2,454.75	3/4	2,093.25	3/4	1,731.76	3/4	1,370.27	3/4	1,009.13	3/4	648.09	3/4	286.62	3/4	3/4		3/4		3/4
1	2,447.22	1	2,085.72	1	1,724.23	1	1,362.74	1	1,001.62	1	640.56	1	279.09	1	1		1		1
1/4	2,439.68	1/4	2,078.19	1/4	1,716.70	1/4	1,355.21	1/4	994.11	1/4	633.03	1/4	271.55	1/4	1/4		1/4		1/4
1/2	2,432.15	1/2	2,070.66	1/2	1,709.17	1/2	1,347.68	1/2	986.61	1/2	625.50	1/2	264.02	1/2	1/2		1/2		1/2
3/4	2,424.62	3/4	2,063.13	3/4	1,701.64	3/4	1,340.14	3/4	979.10	3/4	617.97	3/4	256.49	3/4	3/4		3/4		3/4
2	2,417.09	2	2,055.60	2	1,694.11	2	1,332.61	2	971.60	2	610.44	2	248.96	2	2		2		2
1/4	2,409.56	1/4	2,048.07	1/4	1,686.57	1/4	1,325.08	1/4	964.09	1/4	602.91	1/4	241.43	1/4	1/4		1/4		1/4
1/2	2,402.03	1/2	2,040.54	1/2	1,679.04	1/2	1,317.55	1/2	956.58	1/2	595.38	1/2	233.90	1/2	1/2		1/2		1/2
3/4	2,394.50	3/4	2,033.01	3/4	1,671.51	3/4	1,310.02	3/4	949.08	3/4	587.85	3/4	226.37	3/4	3/4		3/4		3/4
3	2,386.97	3	2,025.47	3	1,663.98	3	1,302.49	3	941.57	3	580.32	3	218.84	3	3		3		3
1/4	2,379.44	1/4	2,017.94	1/4	1,656.45	1/4	1,294.96	1/4	934.07	1/4	572.79	1/4	211.31	1/4	1/4		1/4		1/4
1/2	2,371.90	1/2	2,010.41	1/2	1,648.92	1/2	1,287.43	1/2	926.56	1/2	565.26	1/2	203.78	1/2	1/2		1/2		1/2
3/4	2,364.37	3/4	2,002.88	3/4	1,641.39	3/4	1,279.90	3/4	919.05	3/4	557.73	3/4	196.25	3/4	3/4		3/4		3/4
4	2,356.84	4	1,995.35	4	1,633.86	4	1,272.36	4	911.55	4	550.19	4	188.72	4	4		4		4
1/4	2,349.31	1/4	1,987.82	1/4	1,626.33	1/4	1,264.83	1/4	904.04	1/4	542.66	1/4	181.19	1/4	1/4		1/4		1/4
1/2	2,341.78	1/2	1,980.29	1/2	1,618.79	1/2	1,257.30	1/2	896.54	1/2	535.13	1/2	173.65	1/2	1/2		1/2		1/2
3/4	2,334.25	3/4	1,972.76	3/4	1,611.26	3/4	1,249.77	3/4	889.03	3/4	527.60	3/4	166.12	3/4	3/4		3/4		3/4
5	2,326.72	5	1,965.23	5	1,603.73	5	1,242.24	5	881.52	5	520.07	5	158.59	5	5		5		5
1/4	2,319.19	1/4	1,957.69	1/4	1,596.20	1/4	1,234.71	1/4	874.02	1/4	512.54	1/4	151.06	1/4	1/4		1/4		1/4
1/2	2,311.66	1/2	1,950.16	1/2	1,588.67	1/2	1,227.18	1/2	866.49	1/2	505.01	1/2	143.53	1/2	1/2		1/2		1/2
3/4	2,304.12	3/4	1,942.63	3/4	1,581.14	3/4	1,219.65	3/4	858.96	3/4	497.48	3/4	136.00	3/4	3/4		3/4		3/4
6	2,296.59	6	1,935.10	6	1,573.61	6	1,212.12	6	851.43	6	489.95	6	128.47	6	6		6		6
1/4	2,289.06	1/4	1,927.57	1/4	1,566.08	1/4	1,204.58	1/4	843.90	1/4	482.42	1/4	120.94	1/4	1/4		1/4		1/4
1/2	2,281.53	1/2	1,920.04	1/2	1,558.55	1/2	1,197.05	1/2	836.36	1/2	474.89	1/2	113.41	1/2	1/2		1/2		1/2
3/4	2,274.00	3/4	1,912.51	3/4	1,551.01	3/4	1,189.52	3/4	828.83	3/4	467.36	3/4	105.88	3/4	3/4		3/4		3/4
7	2,266.47	7	1,904.98	7	1,543.48	7	1,181.99	7	821.30	7	459.82	7	98.35	7	7		7		7
1/4	2,258.94	1/4	1,897.45	1/4	1,535.95	1/4	1,174.46	1/4	813.77	1/4	452.29	1/4	90.82	1/4	1/4		1/4		1/4
1/2	2,251.41	1/2	1,889.91	1/2	1,528.42	1/2	1,166.93	1/2	806.24	1/2	444.76	1/2	83.28	1/2	1/2		1/2		1/2
3/4	2,243.88	3/4	1,882.38	3/4	1,520.89	3/4	1,159.40	3/4	798.71	3/4	437.23	3/4	75.75	3/4	3/4		3/4		3/4
8	2,236.34	8	1,874.85	8	1,513.36	8	1,151.87	8	791.18	8	429.70	8	68.22	8	8		8		8
1/4	2,228.81	1/4	1,867.32	1/4	1,505.83	1/4	1,144.34	1/4	783.65	1/4	422.17	1/4	60.69	1/4	1/4		1/4		1/4
1/2	2,221.28	1/2	1,859.79	1/2	1,498.30	1/2	1,136.80	1/2	776.12	1/2	414.64	1/2	54.10	1/2	1/2		1/2		1/2
3/4	2,213.75	3/4	1,852.26	3/4	1,490.77	3/4	1,129.27	3/4	768.59	3/4	407.11	3/4	47.51	3/4	3/4		3/4		3/4
9	2,206.22	9	1,844.73	9	1,483.23	9	1,121.74	9	761.06	9	399.58	9	40.92	9	9		9		9
1/4	2,198.69	1/4	1,837.20	1/4	1,475.70	1/4	1,114.21	1/4	753.53	1/4	392.05	1/4	34.33	1/4	1/4		1/4		1/4
1/2	2,191.16	1/2	1,829.67	1/2	1,468.17	1/2	1,106.70	1/2	746.00	1/2	384.52	1/2	29.63	1/2	1/2		1/2		1/2
3/4	2,183.63	3/4	1,822.13	3/4	1,460.64	3/4	1,099.20	3/4	738.46	3/4	376.99	3/4	24.92	3/4	3/4		3/4		3/4
10	2,176.10	10	1,814.60	10	1,453.11	10	1,091.69	10	730.93	10	369.46	10	20.21	10	10		10		10
1/4	2,168.56	1/4	1,807.07	1/4	1,445.58	1/4	1,084.19	1/4	723.40	1/4	361.92	1/4	15.51	1/4	1/4		1/4		1/4
1/2	2,161.03	1/2	1,799.54	1/2	1,438.05	1/2	1,076.68	1/2	715.87	1/2	354.39	1/2		1/2	1/2		1/2		1/2
3/4	2,153.50	3/4	1,792.01	3/4	1,430.52	3/4	1,069.17	3/4	708.34	3/4	346.86	3/4		3/4	3/4		3/4		3/4
11	2,145.97	11	1,784.48	11	1,422.99	11	1,061.67	11	700.81	11	339.33	11		11	11		11		11
1/4	2,138.44	1/4	1,776.95	1/4	1,415.45	1/4	1,054.16	1/4	693.28	1/4	331.80	1/4		1/4	1/4		1/4		1/4
1/2	2,130.91	1/2	1,769.42	1/2	1,407.92	1/2	1,046.66	1/2	685.75	1/2	324.27	1/2		1/2	1/2		1/2		1/2
3/4	2,123.38	3/4	1,761.89	3/4	1,400.39	3/4	1,039.15	3/4	678.22	3/4	316.74	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/05/2003 CL - SW
VERIFIED: 10/13/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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



BARGE "KIRBY 28028"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,535.14	0	4,268.45	0	4,005.24	0	3,728.81	0	3,440.35	0	3,111.27	0	2,751.12
1/4		1/4		1/4		1/4	4,530.53	1/4	4,263.11	1/4	3,999.61	1/4	3,722.93	1/4	3,434.22	1/4	3,103.77	1/4	2,743.61
1/2		1/2		1/2		1/2	4,524.40	1/2	4,257.74	1/2	3,993.96	1/2	3,717.04	1/2	3,428.09	1/2	3,096.26	1/2	2,736.11
3/4		3/4		3/4		3/4	4,518.26	3/4	4,252.38	3/4	3,988.31	3/4	3,711.14	3/4	3,421.95	3/4	3,088.76	3/4	2,728.60
1		1		1		1	4,512.12	1	4,247.01	1	3,982.66	1	3,705.24	1	3,415.81	1	3,081.26	1	2,721.10
1/4		1/4		1/4		1/4	4,505.98	1/4	4,241.64	1/4	3,977.01	1/4	3,699.34	1/4	3,409.67	1/4	3,073.75	1/4	2,713.60
1/2		1/2		1/2		1/2	4,499.84	1/2	4,236.26	1/2	3,971.35	1/2	3,693.42	1/2	3,403.54	1/2	3,066.25	1/2	2,706.09
3/4		3/4		3/4		3/4	4,493.71	3/4	4,230.88	3/4	3,965.68	3/4	3,687.49	3/4	3,397.40	3/4	3,058.75	3/4	2,698.59
2		2		2		2	4,487.57	2	4,225.50	2	3,960.01	2	3,681.57	2	3,391.26	2	3,051.24	2	2,691.08
1/4		1/4		1/4		1/4	4,481.43	1/4	4,220.11	1/4	3,954.34	1/4	3,675.65	1/4	3,385.13	1/4	3,043.74	1/4	2,683.58
1/2		1/2		1/2		1/2	4,475.29	1/2	4,214.71	1/2	3,948.65	1/2	3,669.71	1/2	3,378.99	1/2	3,036.24	1/2	2,676.07
3/4		3/4		3/4		3/4	4,469.15	3/4	4,209.31	3/4	3,942.95	3/4	3,663.77	3/4	3,372.85	3/4	3,028.73	3/4	2,668.57
3		3		3		3	4,463.01	3	4,203.91	3	3,937.26	3	3,657.83	3	3,366.72	3	3,021.23	3	2,661.07
1/4		1/4		1/4		1/4	4,456.88	1/4	4,198.50	1/4	3,931.56	1/4	3,651.88	1/4	3,360.58	1/4	3,013.73	1/4	2,653.56
1/2		1/2		1/2		1/2	4,450.74	1/2	4,193.08	1/2	3,925.85	1/2	3,645.92	1/2	3,354.30	1/2	3,006.23	1/2	2,646.06
3/4		3/4		3/4		3/4	4,444.60	3/4	4,187.65	3/4	3,920.14	3/4	3,639.96	3/4	3,348.03	3/4	2,998.72	3/4	2,638.55
4		4		4		4	4,438.46	4	4,182.22	4	3,914.43	4	3,634.00	4	3,341.75	4	2,991.22	4	2,631.05
1/4		1/4		1/4		1/4	4,432.32	1/4	4,176.79	1/4	3,908.72	1/4	3,628.04	1/4	3,335.47	1/4	2,983.72	1/4	2,623.54
1/2		1/2		1/2		1/2	4,427.09	1/2	4,171.35	1/2	3,902.99	1/2	3,622.06	1/2	3,328.92	1/2	2,976.21	1/2	2,616.04
3/4		3/4		3/4		3/4	4,421.85	3/4	4,165.90	3/4	3,897.26	3/4	3,616.08	3/4	3,322.36	3/4	2,968.71	3/4	2,608.54
5		5		5		5	4,416.61	5	4,160.46	5	3,891.52	5	3,610.09	5	3,315.81	5	2,961.21	5	2,601.03
1/4		1/4		1/4		1/4	4,411.38	1/4	4,155.01	1/4	3,885.79	1/4	3,604.11	1/4	3,309.25	1/4	2,953.70	1/4	2,593.53
1/2		1/2		1/2		1/2	4,406.12	1/2	4,149.55	1/2	3,880.04	1/2	3,598.10	1/2	3,302.42	1/2	2,946.20	1/2	2,586.02
3/4		3/4		3/4		3/4	4,400.87	3/4	4,144.08	3/4	3,874.28	3/4	3,592.10	3/4	3,295.59	3/4	2,938.70	3/4	2,578.52
6		6		6		6	4,395.61	6	4,138.62	6	3,868.53	6	3,586.10	6	3,288.75	6	2,931.19	6	2,571.01
1/4		1/4		1/4		1/4	4,390.36	1/4	4,133.16	1/4	3,862.77	1/4	3,580.10	1/4	3,281.92	1/4	2,923.69	1/4	2,563.51
1/2		1/2		1/2		1/2	4,385.09	1/2	4,127.67	1/2	3,857.00	1/2	3,574.07	1/2	3,274.81	1/2	2,916.19	1/2	2,556.01
3/4		3/4		3/4		3/4	4,379.81	3/4	4,122.18	3/4	3,851.23	3/4	3,568.03	3/4	3,267.70	3/4	2,908.68	3/4	2,548.50
7		7		7		7	4,374.54	7	4,116.69	7	3,845.45	7	3,562.00	7	3,260.58	7	2,901.18	7	2,541.00
1/4		1/4		1/4		1/4	4,369.27	1/4	4,111.20	1/4	3,839.68	1/4	3,555.97	1/4	3,253.47	1/4	2,893.68	1/4	2,533.49
1/2		1/2		1/2		1/2	4,363.97	1/2	4,105.69	1/2	3,833.89	1/2	3,549.93	1/2	3,246.08	1/2	2,886.17	1/2	2,525.99
3/4		3/4		3/4		3/4	4,358.67	3/4	4,100.19	3/4	3,828.09	3/4	3,543.88	3/4	3,238.69	3/4	2,878.67	3/4	2,518.48
8		8		8		8	4,353.37	8	4,094.68	8	3,822.30	8	3,537.84	8	3,231.31	8	2,871.17	8	2,510.98
1/4		1/4		1/4		1/4	4,348.07	1/4	4,089.17	1/4	3,816.51	1/4	3,531.79	1/4	3,223.92	1/4	2,863.66	1/4	2,503.48
1/2		1/2		1/2		1/2	4,342.80	1/2	4,083.61	1/2	3,810.69	1/2	3,525.73	1/2	3,216.40	1/2	2,856.16	1/2	2,495.97
3/4		3/4		3/4		3/4	4,337.52	3/4	4,078.05	3/4	3,804.87	3/4	3,519.66	3/4	3,208.89	3/4	2,848.66	3/4	2,488.47
9		9		9		9	4,332.24	9	4,072.48	9	3,799.06	9	3,513.60	9	3,201.37	9	2,841.15	9	2,480.96
1/4		1/4		1/4		1/4	4,326.96	1/4	4,066.92	1/4	3,793.24	1/4	3,507.53	1/4	3,193.85	1/4	2,833.65	1/4	2,473.46
1/2		1/2		1/2		1/2	4,321.66	1/2	4,061.33	1/2	3,787.40	1/2	3,501.44	1/2	3,186.34	1/2	2,826.15	1/2	2,465.95
3/4		3/4		3/4		3/4	4,316.36	3/4	4,055.74	3/4	3,781.57	3/4	3,495.35	3/4	3,178.82	3/4	2,818.65	3/4	2,458.45
10		10		10		10	4,311.06	10	4,050.16	10	3,775.73	10	3,489.26	10	3,171.31	10	2,811.14	10	2,450.95
1/4		1/4		1/4		1/4	4,305.76	1/4	4,044.57	1/4	3,769.90	1/4	3,483.17	1/4	3,163.79	1/4	2,803.64	1/4	2,443.44
1/2		1/2		1/2		1/2	4,300.44	1/2	4,038.96	1/2	3,764.03	1/2	3,477.06	1/2	3,156.29	1/2	2,796.14	1/2	2,435.94
3/4		3/4		3/4		3/4	4,295.12	3/4	4,033.36	3/4	3,758.17	3/4	3,470.95	3/4	3,148.79	3/4	2,788.63	3/4	2,428.43
11		11		11		11	4,289.80	11	4,027.75	11	3,752.31	11	3,464.84	11	3,141.28	11	2,781.13	11	2,420.93
1/4		1/4		1/4		1/4	4,284.48	1/4	4,022.14	1/4	3,746.45	1/4	3,458.73	1/4	3,133.78	1/4	2,773.63	1/4	2,413.42
1/2		1/2		1/2		1/2	4,279.13	1/2	4,016.51	1/2	3,740.57	1/2	3,452.61	1/2	3,126.28	1/2	2,766.12	1/2	2,405.92
3/4		3/4		3/4		3/4	4,539.75	3/4	4,273.79	3/4	4,010.88	3/4	3,734.69	3/4	3,446.48	3/4	3,118.77	3/4	2,398.42

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 46'-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 28028"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,390.92	0	2,032.15	0	1,683.08	0	1,322.90	0	1,000.88	0	666.28	0	309.04	0		0		0	
1/4	2,383.42	1/4	2,024.84	1/4	1,675.65	1/4	1,315.39	1/4	994.63	1/4	658.93	1/4	301.52	1/4		1/4		1/4	
1/2	2,375.92	1/2	2,017.60	1/2	1,668.14	1/2	1,307.89	1/2	988.38	1/2	651.58	1/2	294.00	1/2		1/2		1/2	
3/4	2,368.42	3/4	2,010.35	3/4	1,660.64	3/4	1,300.38	3/4	982.13	3/4	644.23	3/4	286.48	3/4		3/4		3/4	
1	2,360.92	1	2,003.11	1	1,653.13	1	1,292.88	1	975.88	1	636.88	1	278.97	1		1		1	
1/4	2,353.42	1/4	1,995.87	1/4	1,645.62	1/4	1,285.37	1/4	969.63	1/4	629.53	1/4	271.45	1/4		1/4		1/4	
1/2	2,345.92	1/2	1,988.63	1/2	1,638.12	1/2	1,277.86	1/2	963.37	1/2	622.18	1/2	263.93	1/2		1/2		1/2	
3/4	2,338.42	3/4	1,981.39	3/4	1,630.61	3/4	1,270.36	3/4	957.11	3/4	614.84	3/4	256.41	3/4		3/4		3/4	
2	2,330.92	2	1,974.14	2	1,623.11	2	1,262.85	2	950.85	2	607.49	2	248.89	2		2		2	
1/4	2,323.41	1/4	1,966.90	1/4	1,615.60	1/4	1,255.35	1/4	944.58	1/4	600.14	1/4	241.37	1/4		1/4		1/4	
1/2	2,315.91	1/2	1,959.66	1/2	1,608.10	1/2	1,247.84	1/2	938.32	1/2	592.79	1/2	233.85	1/2		1/2		1/2	
3/4	2,308.41	3/4	1,952.42	3/4	1,600.59	3/4	1,240.34	3/4	932.06	3/4	585.44	3/4	226.33	3/4		3/4		3/4	
3	2,300.91	3	1,945.18	3	1,593.09	3	1,232.83	3	925.80	3	578.09	3	218.82	3		3		3	
1/4	2,293.41	1/4	1,937.93	1/4	1,585.58	1/4	1,225.33	1/4	919.53	1/4	570.74	1/4	211.30	1/4		1/4		1/4	
1/2	2,285.91	1/2	1,930.69	1/2	1,578.08	1/2	1,217.82	1/2	913.27	1/2	563.38	1/2	203.77	1/2		1/2		1/2	
3/4	2,278.41	3/4	1,923.45	3/4	1,570.57	3/4	1,210.32	3/4	907.01	3/4	556.01	3/4	196.24	3/4		3/4		3/4	
4	2,270.91	4	1,916.21	4	1,563.07	4	1,202.81	4	900.75	4	548.65	4	188.71	4		4		4	
1/4	2,263.41	1/4	1,908.97	1/4	1,555.56	1/4	1,195.31	1/4	894.49	1/4	541.29	1/4	181.18	1/4		1/4		1/4	
1/2	2,255.91	1/2	1,901.72	1/2	1,548.06	1/2	1,188.91	1/2	887.11	1/2	533.91	1/2	173.64	1/2		1/2		1/2	
3/4	2,248.41	3/4	1,894.48	3/4	1,540.55	3/4	1,182.52	3/4	879.74	3/4	526.53	3/4	166.11	3/4		3/4		3/4	
5	2,240.91	5	1,887.24	5	1,533.04	5	1,176.13	5	872.36	5	519.15	5	158.58	5		5		5	
1/4	2,233.40	1/4	1,880.00	1/4	1,525.54	1/4	1,169.73	1/4	864.99	1/4	511.77	1/4	151.05	1/4		1/4		1/4	
1/2	2,225.90	1/2	1,872.76	1/2	1,518.03	1/2	1,163.48	1/2	857.61	1/2	504.32	1/2	143.52	1/2		1/2		1/2	
3/4	2,218.39	3/4	1,865.51	3/4	1,510.53	3/4	1,157.22	3/4	850.23	3/4	496.87	3/4	135.99	3/4		3/4		3/4	
6	2,210.89	6	1,858.27	6	1,503.02	6	1,150.96	6	842.85	6	489.42	6	128.46	6		6		6	
1/4	2,203.38	1/4	1,851.03	1/4	1,495.52	1/4	1,144.71	1/4	835.47	1/4	481.97	1/4	120.93	1/4		1/4		1/4	
1/2	2,195.88	1/2	1,843.79	1/2	1,488.01	1/2	1,138.45	1/2	828.09	1/2	474.45	1/2	113.40	1/2		1/2		1/2	
3/4	2,188.37	3/4	1,836.55	3/4	1,480.51	3/4	1,132.19	3/4	820.71	3/4	466.93	3/4	105.87	3/4		3/4		3/4	
7	2,180.87	7	1,829.30	7	1,473.00	7	1,125.94	7	813.33	7	459.41	7	98.34	7		7		7	
1/4	2,173.36	1/4	1,822.06	1/4	1,465.50	1/4	1,119.68	1/4	805.96	1/4	451.90	1/4	90.81	1/4		1/4		1/4	
1/2	2,165.86	1/2	1,814.82	1/2	1,457.99	1/2	1,113.42	1/2	798.59	1/2	444.38	1/2	83.28	1/2		1/2		1/2	
3/4	2,158.35	3/4	1,807.58	3/4	1,450.49	3/4	1,107.17	3/4	791.23	3/4	436.86	3/4	75.75	3/4		3/4		3/4	
8	2,150.85	8	1,800.34	8	1,442.98	8	1,100.91	8	783.87	8	429.34	8	68.22	8		8		8	
1/4	2,143.34	1/4	1,793.09	1/4	1,435.48	1/4	1,094.65	1/4	776.51	1/4	421.82	1/4	60.69	1/4		1/4		1/4	
1/2	2,135.84	1/2	1,785.85	1/2	1,427.97	1/2	1,088.40	1/2	769.16	1/2	414.30	1/2	54.10	1/2		1/2		1/2	
3/4	2,128.33	3/4	1,778.61	3/4	1,420.47	3/4	1,082.14	3/4	761.82	3/4	406.78	3/4	47.51	3/4		3/4		3/4	
9	2,120.83	9	1,771.37	9	1,412.96	9	1,075.88	9	754.47	9	399.26	9	40.92	9		9		9	
1/4	2,113.32	1/4	1,764.13	1/4	1,405.45	1/4	1,069.63	1/4	747.12	1/4	391.75	1/4	34.33	1/4		1/4		1/4	
1/2	2,105.82	1/2	1,756.88	1/2	1,397.95	1/2	1,063.38	1/2	739.77	1/2	384.23	1/2	29.62	1/2		1/2		1/2	
3/4	2,098.31	3/4	1,749.64	3/4	1,390.44	3/4	1,057.13	3/4	732.42	3/4	376.71	3/4	24.92	3/4		3/4		3/4	
10	2,090.81	10	1,742.40	10	1,382.94	10	1,050.88	10	725.08	10	369.19	10	20.21	10		10		10	
1/4	2,083.30	1/4	1,735.16	1/4	1,375.43	1/4	1,044.63	1/4	717.73	1/4	361.67	1/4	15.50	1/4		1/4		1/4	
1/2	2,075.99	1/2	1,727.72	1/2	1,367.93	1/2	1,038.38	1/2	710.38	1/2	354.15	1/2		1/2		1/2		1/2	
3/4	2,068.69	3/4	1,720.28	3/4	1,360.42	3/4	1,032.13	3/4	703.03	3/4	346.63	3/4		3/4		3/4		3/4	
11	2,061.38	11	1,712.84	11	1,352.92	11	1,025.88	11	695.68	11	339.12	11		11		11		11	
1/4	2,054.07	1/4	1,705.40	1/4	1,345.41	1/4	1,019.63	1/4	688.33	1/4	331.60	1/4		1/4		1/4		1/4	
1/2	2,046.76	1/2	1,697.96	1/2	1,337.91	1/2	1,013.38	1/2	680.98	1/2	324.08	1/2		1/2		1/2		1/2	
3/4	2,039.45	3/4	1,690.52	3/4	1,330.40	3/4	1,007.13	3/4	673.63	3/4	316.56	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/05/2003 CL - SW
VERIFIED: 10/13/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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



BARGE "KIRBY 28028"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	1,107	0	2,213	0		0		0		0		0		0		0	
1/4	23	1/4	1,130	1/4	2,236	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	46	1/2	1,153	1/2	2,259	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	69	3/4	1,176	3/4	2,282	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	92	1	1,199	1	2,305	1		1		1		1		1		1		1	
1/4	115	1/4	1,222	1/4	2,328	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	138	1/2	1,245	1/2	2,351	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161	3/4	1,268	3/4	2,374	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	184	2	1,291	2	2,398	2		2		2		2		2		2		2	
1/4	207	1/4	1,314	1/4	2,421	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	231	1/2	1,337	1/2	2,444	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	254	3/4	1,360	3/4	2,467	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	277	3	1,383	3	2,490	3		3		3		3		3		3		3	
1/4	300	1/4	1,406	1/4	2,513	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	323	1/2	1,429	1/2	2,536	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	346	3/4	1,452	3/4	2,559	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	369	4	1,475	4	2,582	4		4		4		4		4		4		4	
1/4	392	1/4	1,498	1/4	2,605	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	415	1/2	1,521	1/2	2,628	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	438	3/4	1,545	3/4	2,651	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	461	5	1,568	5	2,674	5		5		5		5		5		5		5	
1/4	484	1/4	1,591	1/4	2,697	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	507	1/2	1,614	1/2	2,720	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	530	3/4	1,637	3/4	2,743	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	553	6	1,660	6	2,766	6		6		6		6		6		6		6	
1/4	576	1/4	1,683	1/4	2,789	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	599	1/2	1,706	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	622	3/4	1,729	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	645	7	1,752	7		7		7		7		7		7		7		7	
1/4	669	1/4	1,775	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	692	1/2	1,798	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	715	3/4	1,821	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	738	8	1,844	8		8		8		8		8		8		8		8	
1/4	761	1/4	1,867	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	784	1/2	1,890	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	807	3/4	1,913	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	830	9	1,936	9		9		9		9		9		9		9		9	
1/4	853	1/4	1,960	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	876	1/2	1,983	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	899	3/4	2,006	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	922	10	2,029	10		10		10		10		10		10		10		10	
1/4	945	1/4	2,052	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	968	1/2	2,075	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	991	3/4	2,098	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,014	11	2,121	11		11		11		11		11		11		11		11	
1/4	1,037	1/4	2,144	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,060	1/2	2,167	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,083	3/4	2,190	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 AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

STRAPPED: 10/13/2023 JS
CALCULATED: 10/13/2023 CL
PRINTED: 10/16/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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