



# BARGE "KIRBY 28130"

## 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	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4
2 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
3 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
3 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

(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: 237'-00"

December 1, 2023

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 28130"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	0	0	0	0	4,221.95	0	3,933.15	0	3,630.11	0	3,313.10	0	2,983.66	0	2,651.85	0	2,320.01		
1/4	1/4	1/4	1/4	1/4	4,216.05	1/4	3,927.01	1/4	3,623.66	1/4	3,306.36	1/4	2,976.75	1/4	2,644.94	1/4	2,313.10		
1/2	1/2	1/2	1/2	1/2	4,210.14	1/2	3,920.84	1/2	3,617.18	1/2	3,299.60	1/2	2,969.84	1/2	2,638.03	1/2	2,306.19		
3/4	3/4	3/4	3/4	3/4	4,204.22	3/4	3,914.68	3/4	3,610.69	3/4	3,292.84	3/4	2,962.92	3/4	2,631.11	3/4	2,299.27		
1	1	1	1	1	4,198.30	1	3,908.52	1	3,604.21	1	3,286.08	1	2,956.01	1	2,624.20	1	2,292.36		
1/4	1/4	1/4	1/4	1/4	4,192.38	1/4	3,902.36	1/4	3,597.73	1/4	3,279.31	1/4	2,949.10	1/4	2,617.29	1/4	2,285.44		
1/2	1/2	1/2	1/2	1/2	4,186.44	1/2	3,896.17	1/2	3,591.22	1/2	3,272.52	1/2	2,942.18	1/2	2,610.37	1/2	2,278.53		
3/4	3/4	3/4	3/4	3/4	4,180.50	3/4	3,889.98	3/4	3,584.72	3/4	3,265.73	3/4	2,935.27	3/4	2,603.46	3/4	2,271.62		
2	2	2	2	2	4,174.56	2	3,883.78	2	3,578.22	2	3,258.94	2	2,928.36	2	2,596.55	2	2,264.70		
1/4	1/4	1/4	1/4	1/4	4,168.62	1/4	3,877.59	1/4	3,571.71	1/4	3,252.14	1/4	2,921.45	1/4	2,589.64	1/4	2,257.79		
1/2	1/2	1/2	1/2	1/2	4,162.65	1/2	3,871.38	1/2	3,565.19	1/2	3,245.33	1/2	2,914.53	1/2	2,582.72	1/2	2,250.87		
3/4	3/4	3/4	3/4	3/4	4,156.69	3/4	3,865.17	3/4	3,558.66	3/4	3,238.52	3/4	2,907.62	3/4	2,575.81	3/4	2,243.96		
3	3	3	3	3	4,150.72	3	3,858.96	3	3,552.14	3	3,231.71	3	2,900.71	3	2,568.90	3	2,237.05		
1/4	1/4	1/4	1/4	1/4	4,144.75	1/4	3,852.75	1/4	3,545.61	1/4	3,224.90	1/4	2,893.80	1/4	2,561.99	1/4	2,230.13		
1/2	1/2	1/2	1/2	1/2	4,138.80	1/2	3,846.48	1/2	3,539.06	1/2	3,218.07	1/2	2,886.88	1/2	2,555.07	1/2	2,223.22		
3/4	3/4	3/4	3/4	3/4	4,132.84	3/4	3,840.22	3/4	3,532.51	3/4	3,211.24	3/4	2,879.97	3/4	2,548.16	3/4	2,216.30		
4	4	4	4	4	4,126.89	4	3,833.95	4	3,525.96	4	3,204.41	4	2,873.06	4	2,541.25	4	2,209.39		
1/4	1/4	1/4	1/4	1/4	4,120.94	1/4	3,827.68	1/4	3,519.40	1/4	3,197.58	1/4	2,866.14	1/4	2,534.34	1/4	2,202.48		
1/2	1/2	1/2	1/2	1/2	4,114.96	1/2	3,821.39	1/2	3,512.83	1/2	3,190.72	1/2	2,859.23	1/2	2,527.42	1/2	2,195.56		
3/4	3/4	3/4	3/4	3/4	4,108.98	3/4	3,815.09	3/4	3,506.26	3/4	3,183.85	3/4	2,852.32	3/4	2,520.51	3/4	2,188.65		
5	5	5	5	5	4,103.01	5	3,808.80	5	3,499.68	5	3,176.99	5	2,845.41	5	2,513.60	5	2,181.73		
1/4	1/4	1/4	1/4	1/4	4,097.03	1/4	3,802.51	1/4	3,493.11	1/4	3,170.13	1/4	2,838.49	1/4	2,506.68	1/4	2,174.82		
1/2	1/2	1/2	1/2	1/2	4,091.03	1/2	3,796.19	1/2	3,486.51	1/2	3,163.25	1/2	2,831.58	1/2	2,499.77	1/2	2,167.90		
3/4	3/4	3/4	3/4	3/4	4,085.03	3/4	3,789.88	3/4	3,479.90	3/4	3,156.37	3/4	2,824.67	3/4	2,492.86	3/4	2,160.99		
6	6	6	6	6	4,079.02	6	3,783.56	6	3,473.30	6	3,149.49	6	2,817.76	6	2,485.95	6	2,154.08		
1/4	1/4	1/4	1/4	1/4	4,073.02	1/4	3,777.24	1/4	3,466.70	1/4	3,142.61	1/4	2,810.84	1/4	2,479.03	1/4	2,147.16		
1/2	1/2	1/2	1/2	1/2	4,365.83	1/2	4,067.00	1/2	3,770.90	1/2	3,460.08	1/2	3,135.71	1/2	2,803.93	1/2	2,472.12	1/2	2,140.25
3/4	3/4	3/4	3/4	3/4	4,360.65	3/4	4,060.97	3/4	3,764.55	3/4	3,453.45	3/4	3,128.81	3/4	2,797.02	3/4	2,465.21	3/4	2,133.33
7	7	7	7	7	4,355.46	7	4,054.95	7	3,758.21	7	3,446.83	7	3,121.90	7	2,790.11	7	2,458.30	7	2,126.42
1/4	1/4	1/4	1/4	1/4	4,350.27	1/4	4,048.92	1/4	3,751.87	1/4	3,440.21	1/4	3,115.00	1/4	2,783.19	1/4	2,451.38	1/4	2,119.51
1/2	1/2	1/2	1/2	1/2	4,343.36	1/2	4,042.87	1/2	3,745.50	1/2	3,433.57	1/2	3,108.09	1/2	2,776.28	1/2	2,444.47	1/2	2,112.59
3/4	3/4	3/4	3/4	3/4	4,336.44	3/4	4,036.82	3/4	3,739.14	3/4	3,426.92	3/4	3,101.18	3/4	2,769.37	3/4	2,437.55	3/4	2,105.68
8	8	8	8	8	4,329.53	8	4,030.77	8	3,732.77	8	3,420.28	8	3,094.26	8	2,762.45	8	2,430.64	8	2,098.76
1/4	1/4	1/4	1/4	1/4	4,322.62	1/4	4,024.72	1/4	3,726.41	1/4	3,413.63	1/4	3,087.35	1/4	2,755.54	1/4	2,423.73	1/4	2,091.85
1/2	1/2	1/2	1/2	1/2	4,315.70	1/2	4,018.64	1/2	3,720.03	1/2	3,406.96	1/2	3,080.44	1/2	2,748.63	1/2	2,416.81	1/2	2,084.94
3/4	3/4	3/4	3/4	3/4	4,308.79	3/4	4,012.57	3/4	3,713.64	3/4	3,400.29	3/4	3,073.53	3/4	2,741.72	3/4	2,409.90	3/4	2,078.02
9	9	9	9	9	4,301.87	9	4,006.50	9	3,707.25	9	3,393.62	9	3,066.61	9	2,734.80	9	2,402.98	9	2,071.11
1/4	1/4	1/4	1/4	1/4	4,294.96	1/4	4,000.43	1/4	3,700.87	1/4	3,386.95	1/4	3,059.70	1/4	2,727.89	1/4	2,396.07	1/4	2,064.19
1/2	1/2	1/2	1/2	1/2	4,288.05	1/2	3,994.34	1/2	3,694.46	1/2	3,380.26	1/2	3,052.79	1/2	2,720.98	1/2	2,389.16	1/2	2,057.28
3/4	3/4	3/4	3/4	3/4	4,281.13	3/4	3,988.24	3/4	3,688.04	3/4	3,373.56	3/4	3,045.88	3/4	2,714.07	3/4	2,382.24	3/4	2,050.37
10	10	10	10	10	4,274.22	10	3,982.15	10	3,681.63	10	3,366.87	10	3,038.96	10	2,707.15	10	2,375.33	10	2,043.45
1/4	1/4	1/4	1/4	1/4	4,267.30	1/4	3,976.06	1/4	3,675.21	1/4	3,360.18	1/4	3,032.05	1/4	2,700.24	1/4	2,368.41	1/4	2,036.54
1/2	1/2	1/2	1/2	1/2	4,260.39	1/2	3,969.94	1/2	3,668.78	1/2	3,353.47	1/2	3,025.14	1/2	2,693.33	1/2	2,361.50	1/2	2,029.62
3/4	3/4	3/4	3/4	3/4	4,253.48	3/4	3,963.82	3/4	3,662.35	3/4	3,346.75	3/4	3,018.22	3/4	2,686.41	3/4	2,354.59	3/4	2,022.71
11	11	11	11	11	4,246.56	11	3,957.69	11	3,655.91	11	3,340.04	11	3,011.31	11	2,679.50	11	2,347.67	11	2,015.79
1/4	1/4	1/4	1/4	1/4	4,239.65	1/4	3,951.57	1/4	3,649.48	1/4	3,333.32	1/4	3,004.40	1/4	2,672.59	1/4	2,340.76	1/4	2,008.88
1/2	1/2	1/2	1/2	1/2	4,233.75	1/2	3,945.43	1/2	3,643.02	1/2	3,326.58	1/2	2,997.49	1/2	2,665.68	1/2	2,333.84	1/2	2,001.97
3/4	3/4	3/4	3/4	3/4	4,227.85	3/4	3,939.29	3/4	3,636.57	3/4	3,319.84	3/4	2,990.57	3/4	2,658.76	3/4	2,326.93	3/4	1,995.05

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  
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<http://www.pmacorp.net>



# BARGE "KIRBY 28130"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.
0	1,988.14	0	1,656.26	0	1,324.38	0	992.80	0	675.64	0	381.59	0	111.16	0		0		0	
1/4	1,981.22	1/4	1,649.35	1/4	1,317.47	1/4	985.93	1/4	669.26	1/4	375.70	1/4	105.77	1/4	1/4		1/4		1/4
1/2	1,974.31	1/2	1,642.43	1/2	1,310.56	1/2	979.10	1/2	662.92	1/2	369.85	1/2	100.41	1/2	1/2		1/2		1/2
3/4	1,967.40	3/4	1,635.52	3/4	1,303.64	3/4	972.26	3/4	656.57	3/4	364.00	3/4	95.05	3/4	3/4		3/4		3/4
1	1,960.48	1	1,628.60	1	1,296.73	1	965.43	1	650.23	1	358.15	1	89.70	1	1		1		1
1/4	1,953.57	1/4	1,621.69	1/4	1,289.81	1/4	958.60	1/4	643.89	1/4	352.30	1/4	84.34	1/4	1/4		1/4		1/4
1/2	1,946.65	1/2	1,614.78	1/2	1,282.90	1/2	951.82	1/2	637.59	1/2	346.49	1/2	79.03	1/2	1/2		1/2		1/2
3/4	1,939.74	3/4	1,607.86	3/4	1,275.99	3/4	945.05	3/4	631.29	3/4	340.69	3/4	73.72	3/4	3/4		3/4		3/4
2	1,932.83	2	1,600.95	2	1,269.07	2	938.27	2	624.99	2	334.88	2	68.41	2	2		2		2
1/4	1,925.91	1/4	1,594.03	1/4	1,262.16	1/4	931.49	1/4	618.69	1/4	329.07	1/4	63.10	1/4	1/4		1/4		1/4
1/2	1,919.00	1/2	1,587.12	1/2	1,255.24	1/2	924.76	1/2	612.43	1/2	323.30	1/2	57.82	1/2	1/2		1/2		1/2
3/4	1,912.08	3/4	1,580.21	3/4	1,248.33	3/4	918.02	3/4	606.17	3/4	317.54	3/4	52.55	3/4	3/4		3/4		3/4
3	1,905.17	3	1,573.29	3	1,241.42	3	911.29	3	599.91	3	311.77	3	47.27	3	3		3		3
1/4	1,898.25	1/4	1,566.38	1/4	1,234.50	1/4	904.55	1/4	593.65	1/4	306.00	1/4	42.00	1/4	1/4		1/4		1/4
1/2	1,891.34	1/2	1,559.46	1/2	1,227.59	1/2	897.86	1/2	587.43	1/2	300.27	1/2	37.64	1/2	1/2		1/2		1/2
3/4	1,884.43	3/4	1,552.55	3/4	1,220.67	3/4	891.16	3/4	581.21	3/4	294.55	3/4	33.27	3/4	3/4		3/4		3/4
4	1,877.51	4	1,545.64	4	1,213.76	4	884.47	4	575.00	4	288.82	4	28.91	4	4		4		4
1/4	1,870.60	1/4	1,538.72	1/4	1,206.84	1/4	877.77	1/4	568.78	1/4	283.10	1/4	24.54	1/4	1/4		1/4		1/4
1/2	1,863.68	1/2	1,531.81	1/2	1,199.93	1/2	871.12	1/2	562.60	1/2	277.41	1/2	21.94	1/2	1/2		1/2		1/2
3/4	1,856.77	3/4	1,524.89	3/4	1,193.02	3/4	864.46	3/4	556.42	3/4	271.73	3/4	19.35	3/4	3/4		3/4		3/4
5	1,849.86	5	1,517.98	5	1,186.10	5	857.81	5	550.25	5	266.04	5	16.75	5	5		5		5
1/4	1,842.94	1/4	1,511.07	1/4	1,179.19	1/4	851.16	1/4	544.07	1/4	260.35	1/4	14.15	1/4	1/4		1/4		1/4
1/2	1,836.03	1/2	1,504.15	1/2	1,172.27	1/2	844.54	1/2	537.93	1/2	254.71	1/2		1/2	1/2		1/2		1/2
3/4	1,829.11	3/4	1,497.24	3/4	1,165.36	3/4	837.93	3/4	531.80	3/4	249.07	3/4		3/4	3/4		3/4		3/4
6	1,822.20	6	1,490.32	6	1,158.45	6	831.32	6	525.66	6	243.43	6		6	6		6		6
1/4	1,815.29	1/4	1,483.41	1/4	1,151.53	1/4	824.71	1/4	519.53	1/4	237.78	1/4		1/4	1/4		1/4		1/4
1/2	1,808.37	1/2	1,476.49	1/2	1,144.62	1/2	818.14	1/2	513.43	1/2	232.18	1/2		1/2	1/2		1/2		1/2
3/4	1,801.46	3/4	1,469.58	3/4	1,137.70	3/4	811.56	3/4	507.33	3/4	226.57	3/4		3/4	3/4		3/4		3/4
7	1,794.54	7	1,462.67	7	1,130.79	7	804.99	7	501.24	7	220.97	7		7	7		7		7
1/4	1,787.63	1/4	1,455.75	1/4	1,123.88	1/4	798.42	1/4	495.14	1/4	215.36	1/4		1/4	1/4		1/4		1/4
1/2	1,780.72	1/2	1,448.84	1/2	1,116.96	1/2	791.89	1/2	489.09	1/2	209.80	1/2		1/2	1/2		1/2		1/2
3/4	1,773.80	3/4	1,441.92	3/4	1,110.05	3/4	785.36	3/4	483.03	3/4	204.24	3/4		3/4	3/4		3/4		3/4
8	1,766.89	8	1,435.01	8	1,103.13	8	778.83	8	476.98	8	198.68	8		8	8		8		8
1/4	1,759.97	1/4	1,428.10	1/4	1,096.22	1/4	772.30	1/4	470.93	1/4	193.12	1/4		1/4	1/4		1/4		1/4
1/2	1,753.06	1/2	1,421.18	1/2	1,089.31	1/2	765.81	1/2	464.91	1/2	187.60	1/2		1/2	1/2		1/2		1/2
3/4	1,746.14	3/4	1,414.27	3/4	1,082.39	3/4	759.32	3/4	458.90	3/4	182.08	3/4		3/4	3/4		3/4		3/4
9	1,739.23	9	1,407.35	9	1,075.48	9	752.83	9	452.89	9	176.55	9		9	9		9		9
1/4	1,732.32	1/4	1,400.44	1/4	1,068.57	1/4	746.34	1/4	446.87	1/4	171.03	1/4		1/4	1/4		1/4		1/4
1/2	1,725.40	1/2	1,393.53	1/2	1,061.66	1/2	739.87	1/2	440.90	1/2	165.55	1/2		1/2	1/2		1/2		1/2
3/4	1,718.49	3/4	1,386.61	3/4	1,054.76	3/4	733.41	3/4	434.93	3/4	160.07	3/4		3/4	3/4		3/4		3/4
10	1,711.57	10	1,379.70	10	1,047.85	10	726.94	10	428.96	10	154.59	10		10	10		10		10
1/4	1,704.66	1/4	1,372.78	1/4	1,040.95	1/4	720.48	1/4	422.99	1/4	149.12	1/4		1/4	1/4		1/4		1/4
1/2	1,697.75	1/2	1,365.87	1/2	1,034.06	1/2	714.06	1/2	417.05	1/2	143.67	1/2		1/2	1/2		1/2		1/2
3/4	1,690.83	3/4	1,358.96	3/4	1,027.17	3/4	707.63	3/4	411.12	3/4	138.23	3/4		3/4	3/4		3/4		3/4
11	1,683.92	11	1,352.04	11	1,020.28	11	701.21	11	405.19	11	132.79	11		11	11		11		11
1/4	1,677.00	1/4	1,345.13	1/4	1,013.39	1/4	694.78	1/4	399.26	1/4	127.35	1/4		1/4	1/4		1/4		1/4
1/2	1,670.09	1/2	1,338.21	1/2	1,006.53	1/2	688.40	1/2	393.37	1/2	121.95	1/2		1/2	1/2		1/2		1/2
3/4	1,663.18	3/4	1,331.30	3/4	999.66	3/4	682.02	3/4	387.48	3/4	116.56	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/22/2008 CL - SW  
CALCULATED: 07/22/2008 CL  
VERIFIED: 12/01/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2023

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



# BARGE "KIRBY 28130"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
0	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	1/4
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	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	3/4
1	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	1/4
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	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	3/4
2	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	1/4
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	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	3/4
3	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	1/4
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	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	3/4
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	1/4
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	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	3/4
5	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	1/4
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	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	3/4
6	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	1/4
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	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	3/4
7	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	1/4
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	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	3/4
8	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	1/4
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	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	3/4
9	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	1/4
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	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	3/4
10	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	1/4
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	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	3/4
11	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	1/4
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	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	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
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	1/4
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	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	3/4

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 28130"

1 STBD  
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.
0	1,984.01	0	1,652.53	0	1,321.05	0	989.94	0	674.83	0	381.13	0	111.03	0		0		0	
1/4	1,977.11	1/4	1,645.62	1/4	1,314.14	1/4	983.11	1/4	668.46	1/4	375.25	1/4	105.64	1/4	1/4		1/4		1/4
1/2	1,970.20	1/2	1,638.72	1/2	1,307.23	1/2	976.32	1/2	662.12	1/2	369.41	1/2	100.29	1/2	1/2		1/2		1/2
3/4	1,963.29	3/4	1,631.81	3/4	1,300.33	3/4	969.53	3/4	655.79	3/4	363.56	3/4	94.94	3/4	3/4		3/4		3/4
1	1,956.39	1	1,624.90	1	1,293.42	1	962.74	1	649.45	1	357.72	1	89.59	1	1		1		1
1/4	1,949.48	1/4	1,618.00	1/4	1,286.52	1/4	955.96	1/4	643.12	1/4	351.88	1/4	84.24	1/4	1/4		1/4		1/4
1/2	1,942.58	1/2	1,611.09	1/2	1,279.61	1/2	949.23	1/2	636.83	1/2	346.08	1/2	78.93	1/2	1/2		1/2		1/2
3/4	1,935.67	3/4	1,604.19	3/4	1,272.70	3/4	942.50	3/4	630.53	3/4	340.28	3/4	73.63	3/4	3/4		3/4		3/4
2	1,928.76	2	1,597.28	2	1,265.80	2	935.77	2	624.24	2	334.48	2	68.32	2	2		2		2
1/4	1,921.86	1/4	1,590.38	1/4	1,258.89	1/4	929.04	1/4	617.95	1/4	328.68	1/4	63.02	1/4	1/4		1/4		1/4
1/2	1,914.95	1/2	1,583.47	1/2	1,251.99	1/2	922.35	1/2	611.70	1/2	322.92	1/2	57.75	1/2	1/2		1/2		1/2
3/4	1,908.05	3/4	1,576.56	3/4	1,245.08	3/4	915.66	3/4	605.44	3/4	317.15	3/4	52.48	3/4	3/4		3/4		3/4
3	1,901.14	3	1,569.66	3	1,238.17	3	908.97	3	599.19	3	311.39	3	47.22	3	3		3		3
1/4	1,894.23	1/4	1,562.75	1/4	1,231.27	1/4	902.28	1/4	592.94	1/4	305.63	1/4	41.95	1/4	1/4		1/4		1/4
1/2	1,887.33	1/2	1,555.85	1/2	1,224.36	1/2	895.63	1/2	586.73	1/2	299.91	1/2	37.59	1/2	1/2		1/2		1/2
3/4	1,880.42	3/4	1,548.94	3/4	1,217.46	3/4	888.98	3/4	580.52	3/4	294.20	3/4	33.23	3/4	3/4		3/4		3/4
4	1,873.52	4	1,542.03	4	1,210.55	4	882.34	4	574.31	4	288.48	4	28.87	4	4		4		4
1/4	1,866.61	1/4	1,535.13	1/4	1,203.64	1/4	875.69	1/4	568.10	1/4	282.76	1/4	24.51	1/4	1/4		1/4		1/4
1/2	1,859.71	1/2	1,528.22	1/2	1,196.74	1/2	869.08	1/2	561.93	1/2	277.08	1/2	21.92	1/2	1/2		1/2		1/2
3/4	1,852.80	3/4	1,521.32	3/4	1,189.83	3/4	862.47	3/4	555.76	3/4	271.40	3/4	19.32	3/4	3/4		3/4		3/4
5	1,845.89	5	1,514.41	5	1,182.93	5	855.87	5	549.59	5	265.72	5	16.73	5	5		5		5
1/4	1,838.99	1/4	1,507.50	1/4	1,176.02	1/4	849.26	1/4	543.42	1/4	260.04	1/4	14.13	1/4	1/4		1/4		1/4
1/2	1,832.08	1/2	1,500.60	1/2	1,169.12	1/2	842.69	1/2	537.29	1/2	254.40	1/2		1/2	1/2		1/2		1/2
3/4	1,825.18	3/4	1,493.69	3/4	1,162.21	3/4	836.13	3/4	531.16	3/4	248.77	3/4		3/4	3/4		3/4		3/4
6	1,818.27	6	1,486.79	6	1,155.30	6	829.56	6	525.03	6	243.13	6		6	6		6		6
1/4	1,811.36	1/4	1,479.88	1/4	1,148.40	1/4	823.00	1/4	518.90	1/4	237.50	1/4		1/4	1/4		1/4		1/4
1/2	1,804.46	1/2	1,472.97	1/2	1,141.49	1/2	816.47	1/2	512.81	1/2	231.90	1/2		1/2	1/2		1/2		1/2
3/4	1,797.55	3/4	1,466.07	3/4	1,134.59	3/4	809.94	3/4	506.73	3/4	226.30	3/4		3/4	3/4		3/4		3/4
7	1,790.65	7	1,459.16	7	1,127.68	7	803.42	7	500.64	7	220.70	7		7	7		7		7
1/4	1,783.74	1/4	1,452.26	1/4	1,120.77	1/4	796.89	1/4	494.55	1/4	215.10	1/4		1/4	1/4		1/4		1/4
1/2	1,776.83	1/2	1,445.35	1/2	1,113.87	1/2	790.41	1/2	488.50	1/2	209.55	1/2		1/2	1/2		1/2		1/2
3/4	1,769.93	3/4	1,438.45	3/4	1,106.96	3/4	783.92	3/4	482.46	3/4	204.00	3/4		3/4	3/4		3/4		3/4
8	1,763.02	8	1,431.54	8	1,100.06	8	777.44	8	476.41	8	198.44	8		8	8		8		8
1/4	1,756.12	1/4	1,424.63	1/4	1,093.15	1/4	770.96	1/4	470.36	1/4	192.89	1/4		1/4	1/4		1/4		1/4
1/2	1,749.21	1/2	1,417.73	1/2	1,086.25	1/2	764.51	1/2	464.36	1/2	187.37	1/2		1/2	1/2		1/2		1/2
3/4	1,742.31	3/4	1,410.82	3/4	1,079.34	3/4	758.07	3/4	458.35	3/4	181.86	3/4		3/4	3/4		3/4		3/4
9	1,735.40	9	1,403.92	9	1,072.44	9	751.62	9	452.34	9	176.34	9		9	9		9		9
1/4	1,728.49	1/4	1,397.01	1/4	1,065.53	1/4	745.18	1/4	446.34	1/4	170.82	1/4		1/4	1/4		1/4		1/4
1/2	1,721.59	1/2	1,390.10	1/2	1,058.63	1/2	738.76	1/2	440.37	1/2	165.35	1/2		1/2	1/2		1/2		1/2
3/4	1,714.68	3/4	1,383.20	3/4	1,051.74	3/4	732.34	3/4	434.41	3/4	159.88	3/4		3/4	3/4		3/4		3/4
10	1,707.78	10	1,376.29	10	1,044.84	10	725.92	10	428.44	10	154.41	10		10	10		10		10
1/4	1,700.87	1/4	1,369.39	1/4	1,037.94	1/4	719.50	1/4	422.48	1/4	148.94	1/4		1/4	1/4		1/4		1/4
1/2	1,693.96	1/2	1,362.48	1/2	1,031.06	1/2	713.11	1/2	416.55	1/2	143.50	1/2		1/2	1/2		1/2		1/2
3/4	1,687.06	3/4	1,355.57	3/4	1,024.18	3/4	706.73	3/4	410.63	3/4	138.07	3/4		3/4	3/4		3/4		3/4
11	1,680.15	11	1,348.67	11	1,017.30	11	700.34	11	404.70	11	132.63	11		11	11		11		11
1/4	1,673.25	1/4	1,341.76	1/4	1,010.42	1/4	693.95	1/4	398.78	1/4	127.19	1/4		1/4	1/4		1/4		1/4
1/2	1,666.34	1/2	1,334.86	1/2	1,003.59	1/2	687.58	1/2	392.90	1/2	121.81	1/2		1/2	1/2		1/2		1/2
3/4	1,659.43	3/4	1,327.95	3/4	996.76	3/4	681.20	3/4	387.01	3/4	116.42	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/22/2008 CL - SW  
CALCULATED: 07/22/2008 CL  
VERIFIED: 12/01/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2023

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



# BARGE "KIRBY 28130"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	0	0	0	0	5,106.45	0	4,769.89	0	4,416.04	0	4,045.44	0	3,660.30	0	3,272.39	0	2,884.43		
1/4	1/4	1/4	1/4	1/4	5,099.56	1/4	4,762.75	1/4	4,408.49	1/4	4,037.56	1/4	3,652.22	1/4	3,264.31	1/4	2,876.35		
1/2	1/2	1/2	1/2	1/2	5,092.64	1/2	4,755.57	1/2	4,400.91	1/2	4,029.65	1/2	3,644.14	1/2	3,256.23	1/2	2,868.26		
3/4	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	3,248.14	3/4	2,860.18		
1	1	1	1	1	5,078.80	1	4,741.22	1	4,385.76	1	4,013.84	1	3,627.97	1	3,240.06	1	2,852.10		
1/4	1/4	1/4	1/4	1/4	5,071.88	1/4	4,734.05	1/4	4,378.18	1/4	4,005.94	1/4	3,619.89	1/4	3,231.98	1/4	2,844.01		
1/2	1/2	1/2	1/2	1/2	5,064.93	1/2	4,726.85	1/2	4,370.58	1/2	3,998.00	1/2	3,611.81	1/2	3,223.90	1/2	2,835.93		
3/4	3/4	3/4	3/4	3/4	5,057.99	3/4	4,719.64	3/4	4,362.97	3/4	3,990.06	3/4	3,603.73	3/4	3,215.82	3/4	2,827.84		
2	2	2	2	2	5,051.04	2	4,712.44	2	4,355.37	2	3,982.12	2	3,595.65	2	3,207.74	2	2,819.76		
1/4	1/4	1/4	1/4	1/4	5,044.10	1/4	4,705.23	1/4	4,347.77	1/4	3,974.18	1/4	3,587.57	1/4	3,199.66	1/4	2,811.68		
1/2	1/2	1/2	1/2	1/2	5,037.12	1/2	4,698.00	1/2	4,340.14	1/2	3,966.22	1/2	3,579.49	1/2	3,191.57	1/2	2,803.59		
3/4	3/4	3/4	3/4	3/4	5,030.14	3/4	4,690.77	3/4	4,332.51	3/4	3,958.25	3/4	3,571.40	3/4	3,183.49	3/4	2,795.51		
3	3	3	3	3	5,023.17	3	4,683.54	3	4,324.88	3	3,950.29	3	3,563.32	3	3,175.41	3	2,787.42		
1/4	1/4	1/4	1/4	1/4	5,016.19	1/4	4,676.31	1/4	4,317.25	1/4	3,942.33	1/4	3,555.24	1/4	3,167.33	1/4	2,779.34		
1/2	1/2	1/2	1/2	1/2	5,009.26	1/2	4,668.98	1/2	4,309.59	1/2	3,934.34	1/2	3,547.16	1/2	3,159.25	1/2	2,771.26		
3/4	3/4	3/4	3/4	3/4	5,002.33	3/4	4,661.66	3/4	4,301.93	3/4	3,926.36	3/4	3,539.08	3/4	3,151.17	3/4	2,763.17		
4	4	4	4	4	4,995.40	4	4,654.33	4	4,294.27	4	3,918.37	4	3,531.00	4	3,143.08	4	2,755.09		
1/4	1/4	1/4	1/4	1/4	4,988.47	1/4	4,647.00	1/4	4,286.61	1/4	3,910.38	1/4	3,522.92	1/4	3,135.00	1/4	2,747.00		
1/2	1/2	1/2	1/2	1/2	4,981.51	1/2	4,639.65	1/2	4,278.93	1/2	3,902.36	1/2	3,514.83	1/2	3,126.92	1/2	2,738.92		
3/4	3/4	3/4	3/4	3/4	4,974.56	3/4	4,632.29	3/4	4,271.24	3/4	3,894.34	3/4	3,506.75	3/4	3,118.84	3/4	2,730.84		
5	5	5	5	5	4,967.60	5	4,624.93	5	4,263.56	5	3,886.32	5	3,498.67	5	3,110.76	5	2,722.75		
1/4	1/4	1/4	1/4	1/4	4,960.64	1/4	4,617.57	1/4	4,255.87	1/4	3,878.30	1/4	3,490.59	1/4	3,102.68	1/4	2,714.67		
1/2	1/2	1/2	1/2	1/2	4,953.66	1/2	4,610.19	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	3/4	4,946.67	3/4	4,602.81	3/4	4,240.44	3/4	3,862.21	3/4	3,474.43	3/4	3,086.51	3/4	2,698.50		
6	6	6	6	6	4,939.68	6	4,595.42	6	4,232.72	6	3,854.17	6	3,466.34	6	3,078.43	6	2,690.42		
1/4	1/4	1/4	1/4	1/4	4,932.70	1/4	4,588.04	1/4	4,225.00	1/4	3,846.13	1/4	3,458.26	1/4	3,070.35	1/4	2,682.33		
1/2	1/2	1/2	1/2	1/2	4,925.68	1/2	4,580.62	1/2	4,217.26	1/2	3,838.06	1/2	3,450.18	1/2	3,062.27	1/2	2,674.25		
3/4	3/4	3/4	3/4	3/4	5,268.61	3/4	4,918.67	3/4	4,573.21	3/4	4,209.52	3/4	3,829.99	3/4	3,442.10	3/4	3,054.19	3/4	2,666.17
7	7	7	7	7	5,262.55	7	4,911.66	7	4,565.79	7	4,201.77	7	3,821.92	7	3,434.02	7	3,046.11	7	2,658.08
1/4	1/4	1/4	1/4	1/4	5,256.48	1/4	4,904.65	1/4	4,558.37	1/4	4,194.03	1/4	3,813.85	1/4	3,425.94	1/4	3,038.03	1/4	2,650.00
1/2	1/2	1/2	1/2	1/2	5,248.40	1/2	4,897.60	1/2	4,550.93	1/2	4,186.27	1/2	3,805.77	1/2	3,417.86	1/2	3,029.94	1/2	2,641.91
3/4	3/4	3/4	3/4	3/4	5,240.32	3/4	4,890.56	3/4	4,543.49	3/4	4,178.50	3/4	3,797.69	3/4	3,409.77	3/4	3,021.86	3/4	2,633.83
8	8	8	8	8	5,232.23	8	4,883.51	8	4,536.05	8	4,170.73	8	3,789.60	8	3,401.69	8	3,013.77	8	2,625.75
1/4	1/4	1/4	1/4	1/4	5,224.15	1/4	4,876.47	1/4	4,528.61	1/4	4,162.97	1/4	3,781.52	1/4	3,393.61	1/4	3,005.69	1/4	2,617.66
1/2	1/2	1/2	1/2	1/2	5,216.06	1/2	4,869.40	1/2	4,521.15	1/2	4,155.17	1/2	3,773.44	1/2	3,385.53	1/2	2,997.61	1/2	2,609.58
3/4	3/4	3/4	3/4	3/4	5,207.98	3/4	4,862.34	3/4	4,513.68	3/4	4,147.37	3/4	3,765.36	3/4	3,377.45	3/4	2,989.52	3/4	2,601.49
9	9	9	9	9	5,199.90	9	4,855.27	9	4,506.22	9	4,139.57	9	3,757.28	9	3,369.37	9	2,981.44	9	2,593.41
1/4	1/4	1/4	1/4	1/4	5,191.81	1/4	4,848.20	1/4	4,498.75	1/4	4,131.77	1/4	3,749.20	1/4	3,361.29	1/4	2,973.35	1/4	2,585.33
1/2	1/2	1/2	1/2	1/2	5,183.73	1/2	4,841.11	1/2	4,491.26	1/2	4,123.94	1/2	3,741.12	1/2	3,353.20	1/2	2,965.27	1/2	2,577.24
3/4	3/4	3/4	3/4	3/4	5,175.64	3/4	4,834.02	3/4	4,483.76	3/4	4,116.12	3/4	3,733.03	3/4	3,345.12	3/4	2,957.19	3/4	2,569.16
10	10	10	10	10	5,167.56	10	4,826.93	10	4,476.26	10	4,108.30	10	3,724.95	10	3,337.04	10	2,949.10	10	2,561.08
1/4	1/4	1/4	1/4	1/4	5,159.48	1/4	4,819.84	1/4	4,468.76	1/4	4,100.47	1/4	3,716.87	1/4	3,328.96	1/4	2,941.02	1/4	2,552.99
1/2	1/2	1/2	1/2	1/2	5,151.39	1/2	4,812.71	1/2	4,461.24	1/2	4,092.63	1/2	3,708.79	1/2	3,320.88	1/2	2,932.93	1/2	2,544.91
3/4	3/4	3/4	3/4	3/4	5,143.31	3/4	4,805.59	3/4	4,453.72	3/4	4,084.78	3/4	3,700.71	3/4	3,312.80	3/4	2,924.85	3/4	2,536.82
11	11	11	11	11	5,135.22	11	4,798.46	11	4,446.20	11	4,076.93	11	3,692.63	11	3,304.71	11	2,916.77	11	2,528.74
1/4	1/4	1/4	1/4	1/4	5,127.14	1/4	4,791.34	1/4	4,438.68	1/4	4,069.08	1/4	3,684.55	1/4	3,296.63	1/4	2,908.68	1/4	2,520.66
1/2	1/2	1/2	1/2	1/2	5,120.24	1/2	4,784.19	1/2	4,431.13	1/2	4,061.20	1/2	3,676.46	1/2	3,288.55	1/2	2,900.60	1/2	2,512.57
3/4	3/4	3/4	3/4	3/4	5,113.35	3/4	4,777.04	3/4	4,423.59	3/4	4,053.32	3/4	3,668.38	3/4	3,280.47	3/4	2,892.52	3/4	2,504.49

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 44'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "KIRBY 28130"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.
0	2,496.40	0	2,108.38	0	1,720.35	0	1,332.32	0	944.30	0	557.12	0	169.51	0		0		0	
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
1/2	2,480.24	1/2	2,092.21	1/2	1,704.18	1/2	1,316.15	1/2	928.13	1/2	540.97	1/2	153.36	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
1	2,464.07	1	2,076.04	1	1,688.01	1	1,299.99	1	911.96	1	524.82	1	137.21	1	1		1		1
1/4	2,455.98	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
1/2	2,447.90	1/2	2,059.87	1/2	1,671.85	1/2	1,283.82	1/2	895.80	1/2	508.67	1/2	121.06	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
2	2,431.73	2	2,043.71	2	1,655.68	2	1,267.65	2	879.66	2	492.52	2	104.91	2	2		2		2
1/4	2,423.65	1/4	2,035.62	1/4	1,647.59	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
1/2	2,415.56	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
3/4	2,407.48	3/4	2,019.45	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	2,399.40	3	2,011.37	3	1,623.34	3	1,235.32	3	847.41	3	460.22	3	72.61	3	3		3		3
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
1/2	2,383.23	1/2	1,995.20	1/2	1,607.17	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
3/4	2,375.15	3/4	1,987.12	3/4	1,599.09	3/4	1,211.06	3/4	823.23	3/4	436.00	3/4	50.40	3/4	3/4		3/4		3/4
4	2,367.06	4	1,979.03	4	1,591.01	4	1,202.98	4	815.17	4	427.92	4	43.34	4	4		4		4
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
1/2	2,350.89	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
3/4	2,342.81	3/4	1,954.78	3/4	1,566.76	3/4	1,178.73	3/4	790.99	3/4	403.69	3/4	26.19	3/4	3/4		3/4		3/4
5	2,334.73	5	1,946.70	5	1,558.67	5	1,170.64	5	782.93	5	395.62	5	21.14	5	5		5		5
1/4	2,326.64	1/4	1,938.61	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
1/2	2,318.56	1/2	1,930.53	1/2	1,542.50	1/2	1,154.48	1/2	766.82	1/2	379.47	1/2		1/2	1/2		1/2		1/2
3/4	2,310.47	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
6	2,302.39	6	1,914.36	6	1,526.34	6	1,138.31	6	750.70	6	363.32	6		6	6		6		6
1/4	2,294.31	1/4	1,906.28	1/4	1,518.25	1/4	1,130.22	1/4	742.64	1/4	355.24	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
3/4	2,278.14	3/4	1,890.11	3/4	1,502.08	3/4	1,114.06	3/4	726.52	3/4	339.09	3/4		3/4	3/4		3/4		3/4
7	2,270.05	7	1,882.03	7	1,494.00	7	1,105.97	7	718.46	7	331.02	7		7	7		7		7
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
1/2	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
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
8	2,237.72	8	1,849.69	8	1,461.66	8	1,073.64	8	686.22	8	298.72	8		8	8		8		8
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
1/2	2,221.55	1/2	1,833.52	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
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
9	2,205.38	9	1,817.36	9	1,429.33	9	1,041.30	9	653.98	9	266.42	9		9	9		9		9
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
1/2	2,189.22	1/2	1,801.19	1/2	1,413.16	1/2	1,025.13	1/2	637.85	1/2	250.27	1/2		1/2	1/2		1/2		1/2
3/4	2,181.13	3/4	1,793.10	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
10	2,173.05	10	1,785.02	10	1,396.99	10	1,008.97	10	621.72	10	234.12	10		10	10		10		10
1/4	2,164.96	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
1/2	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
3/4	2,148.80	3/4	1,760.77	3/4	1,372.74	3/4	984.71	3/4	597.50	3/4	209.89	3/4		3/4	3/4		3/4		3/4
11	2,140.71	11	1,752.69	11	1,364.66	11	976.63	11	589.42	11	201.81	11		11	11		11		11
1/4	2,132.63	1/4	1,744.60	1/4	1,356.57	1/4	968.55	1/4	581.35	1/4	193.74	1/4		1/4	1/4		1/4		1/4
1/2	2,124.54	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
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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/22/2008 CL - SW  
CALCULATED: 07/22/2008 CL  
VERIFIED: 12/01/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2023

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

















# BARGE "KIRBY 28130"

# 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	2,812	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	622	3/4	1,729	3/4	2,835	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	645	7	1,752	7	2,858	7		7		7		7		7		7		7	
1/4	669	1/4	1,775	1/4	2,881	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	692	1/2	1,798	1/2	2,904	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	715	3/4	1,821	3/4	2,927	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	738	8	1,844	8	2,950	8		8		8		8		8		8		8	
1/4	761	1/4	1,867	1/4	2,973	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	784	1/2	1,890	1/2	2,996	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	807	3/4	1,913	3/4	3,019	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	830	9	1,936	9	3,042	9		9		9		9		9		9		9	
1/4	853	1/4	1,960	1/4	3,065	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	876	1/2	1,983	1/2	3,088	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	899	3/4	2,006	3/4	3,111	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	922	10	2,029	10	3,134	10		10		10		10		10		10		10	
1/4	945	1/4	2,052	1/4	3,157	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	968	1/2	2,075	1/2	3,180	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	991	3/4	2,098	3/4	3,203	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,014	11	2,121	11	3,226	11		11		11		11		11		11		11	
1/4	1,037	1/4	2,144	1/4	3,249	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,060	1/2	2,167	1/2	3,272	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,083	3/4	2,190	3/4	3,295	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: 12/01/2023 JS  
CALCULATED: 12/04/2023 CL  
PRINTED: 12/04/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2023

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