



BARGE "KIRBY 30079"

ULLAGE TRIM TABLE

Formerly "WTC 3010"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 5'-00"
 DIFF. = 3'-00" (DOWN BY STERN)

LENGTH BETWEEN DRAFT MARKS: 237'-00"

June 1, 2023

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

<http://www.pmacorp.net>

THE CORRECTION FOR 3'-00" TRIM DOWN BY STERN FOR 2 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"



BARGE "KIRBY 30079"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3010"

GAUGE HEIGHT 17'-00"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							5,073.31		4,707.26		4,341.21		3,975.16		3,609.11		3,243.07		2,877.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,065.68	1/4	4,699.63	1/4	4,333.59	1/4	3,967.54	1/4	3,601.49	1/4	3,235.44	1/4	2,869.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,058.06	1/2	4,692.01	1/2	4,325.96	1/2	3,959.91	1/2	3,593.86	1/2	3,227.82	1/2	2,861.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,050.43	3/4	4,684.38	3/4	4,318.34	3/4	3,952.29	3/4	3,586.24	3/4	3,220.19	3/4	2,854.14
1	1	1	1	1	1	1	5,042.80	1	4,676.75	1	4,310.71	1	3,944.66	1	3,578.61	1	3,212.56	1	2,846.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,035.18	1/4	4,669.13	1/4	4,303.08	1/4	3,937.03	1/4	3,570.99	1/4	3,204.94	1/4	2,838.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,027.55	1/2	4,661.50	1/2	4,295.46	1/2	3,929.41	1/2	3,563.36	1/2	3,197.31	1/2	2,831.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,019.93	3/4	4,653.88	3/4	4,287.83	3/4	3,921.78	3/4	3,555.74	3/4	3,189.69	3/4	2,823.64
2	2	2	2	2	2	2	5,012.30	2	4,646.25	2	4,280.20	2	3,914.15	2	3,548.11	2	3,182.06	2	2,816.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,004.67	1/4	4,638.63	1/4	4,272.58	1/4	3,906.53	1/4	3,540.48	1/4	3,174.43	1/4	2,808.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,997.05	1/2	4,631.00	1/2	4,264.95	1/2	3,898.90	1/2	3,532.86	1/2	3,166.81	1/2	2,800.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,989.42	3/4	4,623.38	3/4	4,257.33	3/4	3,891.28	3/4	3,525.23	3/4	3,159.18	3/4	2,793.14
3	3	3	3	3	3	3	4,981.79	3	4,615.75	3	4,249.70	3	3,883.65	3	3,517.60	3	3,151.55	3	2,785.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,974.17	1/4	4,608.12	1/4	4,242.07	1/4	3,876.03	1/4	3,509.98	1/4	3,143.93	1/4	2,777.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,966.54	1/2	4,600.50	1/2	4,234.45	1/2	3,868.40	1/2	3,502.35	1/2	3,136.30	1/2	2,770.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,958.92	3/4	4,592.87	3/4	4,226.82	3/4	3,860.78	3/4	3,494.73	3/4	3,128.68	3/4	2,762.63
4	4	4	4	4	4	4	4,951.29	4	4,585.24	4	4,219.19	4	3,853.15	4	3,487.10	4	3,121.05	4	2,755.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,943.67	1/4	4,577.62	1/4	4,211.57	1/4	3,845.52	1/4	3,479.47	1/4	3,113.43	1/4	2,747.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,936.04	1/2	4,569.99	1/2	4,203.94	1/2	3,837.90	1/2	3,471.85	1/2	3,105.80	1/2	2,739.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,928.42	3/4	4,562.37	3/4	4,196.32	3/4	3,830.27	3/4	3,464.22	3/4	3,098.18	3/4	2,732.13
5	5	5	5	5	5	5	4,920.79	5	4,554.74	5	4,188.69	5	3,822.64	5	3,456.59	5	3,090.55	5	2,724.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,913.16	1/4	4,547.11	1/4	4,181.07	1/4	3,815.02	1/4	3,448.97	1/4	3,082.92	1/4	2,716.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,905.54	1/2	4,539.49	1/2	4,173.44	1/2	3,807.39	1/2	3,441.34	1/2	3,075.30	1/2	2,709.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,897.91	3/4	4,531.86	3/4	4,165.82	3/4	3,799.77	3/4	3,433.72	3/4	3,067.67	3/4	2,701.62
6	6	6	5,172.45	6	4,890.28	6	4,524.23	6	4,158.19	6	3,792.14	6	3,426.09	6	3,060.04	6	2,693.99		
1/4	1/4	1/4	5,171.59	1/4	4,882.66	1/4	4,516.61	1/4	4,150.56	1/4	3,784.51	1/4	3,418.47	1/4	3,052.42	1/4	2,686.37		
1/2	1/2	1/2	5,170.73	1/2	4,875.03	1/2	4,508.98	1/2	4,142.94	1/2	3,776.89	1/2	3,410.84	1/2	3,044.79	1/2	2,678.74		
3/4	3/4	3/4	5,169.86	3/4	4,867.41	3/4	4,501.36	3/4	4,135.31	3/4	3,769.26	3/4	3,403.22	3/4	3,037.17	3/4	2,671.12		
7	7	7	5,169.00	7	4,859.78	7	4,493.73	7	4,127.68	7	3,761.63	7	3,395.59	7	3,029.54	7	2,663.49		
1/4	1/4	1/4	5,166.92	1/4	4,852.15	1/4	4,486.11	1/4	4,120.06	1/4	3,754.01	1/4	3,387.96	1/4	3,021.91	1/4	2,655.87		
1/2	1/2	1/2	5,164.84	1/2	4,844.53	1/2	4,478.48	1/2	4,112.43	1/2	3,746.38	1/2	3,380.34	1/2	3,014.29	1/2	2,648.24		
3/4	3/4	3/4	5,162.76	3/4	4,836.90	3/4	4,470.86	3/4	4,104.81	3/4	3,738.76	3/4	3,372.71	3/4	3,006.66	3/4	2,640.62		
8	8	8	5,160.68	8	4,829.27	8	4,463.23	8	4,097.18	8	3,731.13	8	3,365.08	8	2,999.03	8	2,632.99		
1/4	1/4	1/4	5,157.22	1/4	4,821.65	1/4	4,455.60	1/4	4,089.55	1/4	3,723.51	1/4	3,357.46	1/4	2,991.41	1/4	2,625.36		
1/2	1/2	1/2	5,153.75	1/2	4,814.02	1/2	4,447.98	1/2	4,081.93	1/2	3,715.88	1/2	3,349.83	1/2	2,983.78	1/2	2,617.74		
3/4	3/4	3/4	5,150.29	3/4	4,806.40	3/4	4,440.35	3/4	4,074.30	3/4	3,708.26	3/4	3,342.21	3/4	2,976.16	3/4	2,610.11		
9	9	9	5,146.82	9	4,798.77	9	4,432.72	9	4,066.67	9	3,700.63	9	3,334.58	9	2,968.53	9	2,602.48		
1/4	1/4	1/4	5,141.97	1/4	4,791.15	1/4	4,425.10	1/4	4,059.05	1/4	3,693.00	1/4	3,326.95	1/4	2,960.91	1/4	2,594.86		
1/2	1/2	1/2	5,137.12	1/2	4,783.52	1/2	4,417.47	1/2	4,051.42	1/2	3,685.38	1/2	3,319.33	1/2	2,953.28	1/2	2,587.23		
3/4	3/4	3/4	5,132.26	3/4	4,775.90	3/4	4,409.85	3/4	4,043.80	3/4	3,677.75	3/4	3,311.70	3/4	2,945.66	3/4	2,579.61		
10	10	10	5,127.41	10	4,768.27	10	4,402.22	10	4,036.17	10	3,670.12	10	3,304.07	10	2,938.03	10	2,571.98		
1/4	1/4	1/4	5,121.17	1/4	4,760.64	1/4	4,394.59	1/4	4,028.55	1/4	3,662.50	1/4	3,296.45	1/4	2,930.40	1/4	2,564.35		
1/2	1/2	1/2	5,114.92	1/2	4,753.02	1/2	4,386.97	1/2	4,020.92	1/2	3,654.87	1/2	3,288.82	1/2	2,922.78	1/2	2,556.73		
3/4	3/4	3/4	5,108.68	3/4	4,745.39	3/4	4,379.34	3/4	4,013.30	3/4	3,647.25	3/4	3,281.20	3/4	2,915.15	3/4	2,549.10		
11	11	11	5,102.43	11	4,737.76	11	4,371.71	11	4,005.67	11	3,639.62	11	3,273.57	11	2,907.52	11	2,541.47		
1/4	1/4	1/4	5,095.15	1/4	4,730.14	1/4	4,364.09	1/4	3,998.04	1/4	3,631.99	1/4	3,265.95	1/4	2,899.90	1/4	2,533.85		
1/2	1/2	1/2	5,087.87	1/2	4,722.51	1/2	4,356.46	1/2	3,990.42	1/2	3,624.37	1/2	3,258.32	1/2	2,892.27	1/2	2,526.22		
3/4	3/4	3/4	5,080.59	3/4	4,714.89	3/4	4,348.84	3/4	3,982.79	3/4	3,616.74	3/4	3,250.70	3/4	2,884.65	3/4	2,518.60		

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 11'-00" OFF CENTERLINE AND 44' 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 30079"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3010"

GAUGE HEIGHT 17'-00"

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	2,510.97	0	2,144.92	0	1,778.87	0	1,412.83	0	1,046.74	0	680.35	0	320.49	0	16.96	0		0	
1/4	2,503.35	1/4	2,137.30	1/4	1,771.25	1/4	1,405.20	1/4	1,039.11	1/4	672.72	1/4	313.40	1/4		1/4		1/4	
1/2	2,495.72	1/2	2,129.67	1/2	1,763.62	1/2	1,397.58	1/2	1,031.47	1/2	665.09	1/2	306.30	1/2		1/2		1/2	
3/4	2,488.10	3/4	2,122.05	3/4	1,756.00	3/4	1,389.95	3/4	1,023.84	3/4	657.45	3/4	299.21	3/4		3/4		3/4	
1	2,480.47	1	2,114.42	1	1,748.37	1	1,382.32	1	1,016.20	1	649.82	1	292.11	1		1		1	
1/4	2,472.84	1/4	2,106.79	1/4	1,740.75	1/4	1,374.70	1/4	1,008.57	1/4	642.19	1/4	285.02	1/4		1/4		1/4	
1/2	2,465.22	1/2	2,099.17	1/2	1,733.12	1/2	1,367.07	1/2	1,000.94	1/2	634.56	1/2	277.92	1/2		1/2		1/2	
3/4	2,457.59	3/4	2,091.54	3/4	1,725.50	3/4	1,359.45	3/4	993.30	3/4	626.92	3/4	270.83	3/4		3/4		3/4	
2	2,449.96	2	2,083.91	2	1,717.87	2	1,351.82	2	985.67	2	619.29	2	263.73	2		2		2	
1/4	2,442.34	1/4	2,076.29	1/4	1,710.24	1/4	1,344.19	1/4	978.04	1/4	611.66	1/4	256.74	1/4		1/4		1/4	
1/2	2,434.71	1/2	2,068.66	1/2	1,702.62	1/2	1,336.57	1/2	970.41	1/2	604.03	1/2	249.75	1/2		1/2		1/2	
3/4	2,427.09	3/4	2,061.04	3/4	1,694.99	3/4	1,328.94	3/4	962.77	3/4	596.39	3/4	242.76	3/4		3/4		3/4	
3	2,419.46	3	2,053.41	3	1,687.36	3	1,321.31	3	955.14	3	588.76	3	235.77	3		3		3	
1/4	2,411.83	1/4	2,045.79	1/4	1,679.74	1/4	1,313.69	1/4	947.51	1/4	581.13	1/4	228.89	1/4		1/4		1/4	
1/2	2,404.21	1/2	2,038.16	1/2	1,672.11	1/2	1,306.06	1/2	939.88	1/2	573.49	1/2	222.00	1/2		1/2		1/2	
3/4	2,396.58	3/4	2,030.54	3/4	1,664.49	3/4	1,298.44	3/4	932.24	3/4	565.86	3/4	215.12	3/4		3/4		3/4	
4	2,388.95	4	2,022.91	4	1,656.86	4	1,290.81	4	924.61	4	558.22	4	208.23	4		4		4	
1/4	2,381.33	1/4	2,015.28	1/4	1,649.23	1/4	1,283.19	1/4	916.98	1/4	550.59	1/4	201.35	1/4		1/4		1/4	
1/2	2,373.70	1/2	2,007.66	1/2	1,641.61	1/2	1,275.56	1/2	909.35	1/2	542.96	1/2	194.46	1/2		1/2		1/2	
3/4	2,366.08	3/4	2,000.03	3/4	1,633.98	3/4	1,267.94	3/4	901.71	3/4	535.32	3/4	187.58	3/4		3/4		3/4	
5	2,358.45	5	1,992.40	5	1,626.35	5	1,260.31	5	894.08	5	527.69	5	180.69	5		5		5	
1/4	2,350.82	1/4	1,984.78	1/4	1,618.73	1/4	1,252.68	1/4	886.45	1/4	520.12	1/4	173.91	1/4		1/4		1/4	
1/2	2,342.90	1/2	1,977.15	1/2	1,611.10	1/2	1,245.06	1/2	878.81	1/2	512.55	1/2	167.13	1/2		1/2		1/2	
3/4	2,335.13	3/4	1,969.53	3/4	1,603.48	3/4	1,237.43	3/4	871.18	3/4	504.98	3/4	160.35	3/4		3/4		3/4	
6	2,327.35	6	1,961.90	6	1,595.85	6	1,229.80	6	863.54	6	497.41	6	153.57	6		6		6	
1/4	2,319.87	1/4	1,954.27	1/4	1,588.23	1/4	1,222.18	1/4	855.91	1/4	489.90	1/4	146.89	1/4		1/4		1/4	
1/2	2,312.40	1/2	1,946.65	1/2	1,580.60	1/2	1,214.55	1/2	848.28	1/2	482.39	1/2	140.22	1/2		1/2		1/2	
3/4	2,304.92	3/4	1,939.02	3/4	1,572.98	3/4	1,206.93	3/4	840.64	3/4	474.88	3/4	133.54	3/4		3/4		3/4	
7	2,297.44	7	1,931.39	7	1,565.35	7	1,199.30	7	833.01	7	467.37	7	126.86	7		7		7	
1/4	2,289.82	1/4	1,923.77	1/4	1,557.72	1/4	1,191.67	1/4	825.38	1/4	459.86	1/4	120.19	1/4		1/4		1/4	
1/2	2,282.19	1/2	1,916.14	1/2	1,550.10	1/2	1,184.05	1/2	817.75	1/2	452.35	1/2	113.51	1/2		1/2		1/2	
3/4	2,274.57	3/4	1,908.52	3/4	1,542.47	3/4	1,176.42	3/4	810.11	3/4	444.84	3/4	106.84	3/4		3/4		3/4	
8	2,266.94	8	1,900.89	8	1,534.84	8	1,168.79	8	802.48	8	437.33	8	100.16	8		8		8	
1/4	2,259.31	1/4	1,893.27	1/4	1,527.22	1/4	1,161.17	1/4	794.85	1/4	429.92	1/4	93.59	1/4		1/4		1/4	
1/2	2,251.69	1/2	1,885.64	1/2	1,519.59	1/2	1,153.54	1/2	787.22	1/2	422.52	1/2	87.02	1/2		1/2		1/2	
3/4	2,244.06	3/4	1,878.02	3/4	1,511.97	3/4	1,145.92	3/4	779.58	3/4	415.11	3/4	80.44	3/4		3/4		3/4	
9	2,236.43	9	1,870.39	9	1,504.34	9	1,138.29	9	771.95	9	407.70	9	73.87	9		9		9	
1/4	2,228.81	1/4	1,862.76	1/4	1,496.71	1/4	1,130.67	1/4	764.32	1/4	400.40	1/4	68.09	1/4		1/4		1/4	
1/2	2,221.18	1/2	1,855.14	1/2	1,489.09	1/2	1,123.04	1/2	756.69	1/2	393.10	1/2	62.31	1/2		1/2		1/2	
3/4	2,213.56	3/4	1,847.51	3/4	1,481.46	3/4	1,115.42	3/4	749.05	3/4	385.79	3/4	56.52	3/4		3/4		3/4	
10	2,205.93	10	1,839.88	10	1,473.83	10	1,107.79	10	741.42	10	378.49	10	50.74	10		10		10	
1/4	2,198.31	1/4	1,832.26	1/4	1,466.21	1/4	1,100.16	1/4	733.79	1/4	371.19	1/4	45.92	1/4		1/4		1/4	
1/2	2,190.68	1/2	1,824.63	1/2	1,458.58	1/2	1,092.53	1/2	726.15	1/2	363.89	1/2	41.10	1/2		1/2		1/2	
3/4	2,183.06	3/4	1,817.01	3/4	1,450.96	3/4	1,084.90	3/4	718.52	3/4	356.58	3/4	36.27	3/4		3/4		3/4	
11	2,175.43	11	1,809.38	11	1,443.33	11	1,077.27	11	710.88	11	349.28	11	31.45	11		11		11	
1/4	2,167.80	1/4	1,801.75	1/4	1,435.71	1/4	1,069.64	1/4	703.25	1/4	342.08	1/4	27.83	1/4		1/4		1/4	
1/2	2,160.18	1/2	1,794.13	1/2	1,428.08	1/2	1,062.01	1/2	695.62	1/2	334.89	1/2	24.21	1/2		1/2		1/2	
3/4	2,152.55	3/4	1,786.50	3/4	1,420.46	3/4	1,054.37	3/4	687.98	3/4	327.69	3/4	20.58	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/07/2008 INSP
RECOMPUTED: 06/05/2023 JS
VERIFIED: 06/05/2023

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023



BARGE "KIRBY 30079"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3010"

GAUGE HEIGHT 16-11 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	5,065.47	0	4,699.63	0	4,333.59	0	3,967.54	0	3,601.49	0	3,235.44	0	2,869.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,057.92	1/4	4,692.01	1/4	4,325.96	1/4	3,959.91	1/4	3,593.86	1/4	3,227.82	1/4	2,861.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,050.36	1/2	4,684.38	1/2	4,318.34	1/2	3,952.29	1/2	3,586.24	1/2	3,220.19	1/2	2,854.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,042.80	3/4	4,676.75	3/4	4,310.71	3/4	3,944.66	3/4	3,578.61	3/4	3,212.56	3/4	2,846.51
1		1		1		1	5,035.18	1	4,669.13	1	4,303.08	1	3,937.03	1	3,570.99	1	3,204.94	1	2,838.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,027.55	1/4	4,661.50	1/4	4,295.46	1/4	3,929.41	1/4	3,563.36	1/4	3,197.31	1/4	2,831.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,019.93	1/2	4,653.88	1/2	4,287.83	1/2	3,921.78	1/2	3,555.74	1/2	3,189.69	1/2	2,823.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,012.30	3/4	4,646.25	3/4	4,280.20	3/4	3,914.15	3/4	3,548.11	3/4	3,182.06	3/4	2,816.01
2		2		2		2	5,004.67	2	4,638.63	2	4,272.58	2	3,906.53	2	3,540.48	2	3,174.43	2	2,808.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,997.05	1/4	4,631.00	1/4	4,264.95	1/4	3,898.90	1/4	3,532.86	1/4	3,166.81	1/4	2,800.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,989.42	1/2	4,623.38	1/2	4,257.33	1/2	3,891.28	1/2	3,525.23	1/2	3,159.18	1/2	2,793.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,981.79	3/4	4,615.75	3/4	4,249.70	3/4	3,883.65	3/4	3,517.60	3/4	3,151.55	3/4	2,785.51
3		3		3		3	4,974.17	3	4,608.12	3	4,242.07	3	3,876.03	3	3,509.98	3	3,143.93	3	2,777.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,966.54	1/4	4,600.50	1/4	4,234.45	1/4	3,868.40	1/4	3,502.35	1/4	3,136.30	1/4	2,770.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,958.92	1/2	4,592.87	1/2	4,226.82	1/2	3,860.78	1/2	3,494.73	1/2	3,128.68	1/2	2,762.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,951.29	3/4	4,585.24	3/4	4,219.19	3/4	3,853.15	3/4	3,487.10	3/4	3,121.05	3/4	2,755.00
4		4		4		4	4,943.67	4	4,577.62	4	4,211.57	4	3,845.52	4	3,479.47	4	3,113.43	4	2,747.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,936.04	1/4	4,569.99	1/4	4,203.94	1/4	3,837.90	1/4	3,471.85	1/4	3,105.80	1/4	2,739.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,928.42	1/2	4,562.37	1/2	4,196.32	1/2	3,830.27	1/2	3,464.22	1/2	3,098.18	1/2	2,732.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,920.79	3/4	4,554.74	3/4	4,188.69	3/4	3,822.64	3/4	3,456.59	3/4	3,090.55	3/4	2,724.50
5		5		5		5	4,913.16	5	4,547.11	5	4,181.07	5	3,815.02	5	3,448.97	5	3,082.92	5	2,716.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,905.54	1/4	4,539.49	1/4	4,173.44	1/4	3,807.39	1/4	3,441.34	1/4	3,075.30	1/4	2,709.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,897.91	1/2	4,531.86	1/2	4,165.82	1/2	3,799.77	1/2	3,433.72	1/2	3,067.67	1/2	2,701.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,172.45	3/4	4,890.28	3/4	4,524.23	3/4	4,158.19	3/4	3,792.14	3/4	3,426.09	3/4	3,060.04
6		6		6		6	4,882.66	6	4,516.61	6	4,150.56	6	3,784.51	6	3,418.47	6	3,052.42	6	2,686.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,170.73	1/4	4,875.03	1/4	4,508.98	1/4	4,142.94	1/4	3,776.89	1/4	3,410.84	1/4	3,044.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,169.86	1/2	4,867.41	1/2	4,501.36	1/2	4,135.31	1/2	3,769.26	1/2	3,403.22	1/2	3,037.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,169.00	3/4	4,859.78	3/4	4,493.73	3/4	4,127.68	3/4	3,761.63	3/4	3,395.59	3/4	3,029.54
7		7		7		7	5,166.92	7	4,852.15	7	4,486.11	7	4,120.06	7	3,754.01	7	3,387.96	7	3,021.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,164.84	1/4	4,844.53	1/4	4,478.48	1/4	4,112.43	1/4	3,746.38	1/4	3,380.34	1/4	3,014.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,162.76	1/2	4,836.90	1/2	4,470.86	1/2	4,104.81	1/2	3,738.76	1/2	3,372.71	1/2	3,006.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,160.68	3/4	4,829.27	3/4	4,463.23	3/4	4,097.18	3/4	3,731.13	3/4	3,365.08	3/4	2,999.03
8		8		8		8	5,157.22	8	4,821.65	8	4,455.60	8	4,089.55	8	3,723.51	8	3,357.46	8	2,991.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,153.75	1/4	4,814.02	1/4	4,447.98	1/4	4,081.93	1/4	3,715.88	1/4	3,349.83	1/4	2,983.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,150.29	1/2	4,806.40	1/2	4,440.35	1/2	4,074.30	1/2	3,708.26	1/2	3,342.21	1/2	2,976.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,146.82	3/4	4,798.77	3/4	4,432.72	3/4	4,066.67	3/4	3,700.63	3/4	3,334.58	3/4	2,968.53
9		9		9		9	5,141.97	9	4,791.15	9	4,425.10	9	4,059.05	9	3,693.00	9	3,326.95	9	2,960.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,137.12	1/4	4,783.52	1/4	4,417.47	1/4	4,051.42	1/4	3,685.38	1/4	3,319.33	1/4	2,953.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,132.26	1/2	4,775.90	1/2	4,409.85	1/2	4,043.80	1/2	3,677.75	1/2	3,311.70	1/2	2,945.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,127.41	3/4	4,768.27	3/4	4,402.22	3/4	4,036.17	3/4	3,670.12	3/4	3,304.07	3/4	2,938.03
10		10		10		10	5,121.17	10	4,760.64	10	4,394.59	10	4,028.55	10	3,662.50	10	3,296.45	10	2,930.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,114.92	1/4	4,753.02	1/4	4,386.97	1/4	4,020.92	1/4	3,654.87	1/4	3,288.82	1/4	2,922.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,108.68	1/2	4,745.39	1/2	4,379.34	1/2	4,013.30	1/2	3,647.25	1/2	3,281.20	1/2	2,915.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,102.43	3/4	4,737.76	3/4	4,371.71	3/4	4,005.67	3/4	3,639.62	3/4	3,273.57	3/4	2,907.52
11		11		11		11	5,095.08	11	4,730.14	11	4,364.09	11	3,998.04	11	3,631.99	11	3,265.95	11	2,899.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,087.73	1/4	4,722.51	1/4	4,356.46	1/4	3,990.42	1/4	3,624.37	1/4	3,258.32	1/4	2,892.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,080.38	1/2	4,714.89	1/2	4,348.84	1/2	3,982.79	1/2	3,616.74	1/2	3,250.70	1/2	2,884.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,073.03	3/4	4,707.26	3/4	4,341.21	3/4	3,975.16	3/4	3,609.11	3/4	3,243.07	3/4	2,877.02

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 11'-00" OFF CENTERLINE AND 44' 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 30079"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3010"

GAUGE HEIGHT 16-11 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,503.35	0	2,137.30	0	1,771.25	0	1,405.20	0	1,039.11	0	672.72	0	313.40	0	≡	0		0	
1/4	2,495.72	1/4	2,129.67	1/4	1,763.62	1/4	1,397.58	1/4	1,031.47	1/4	665.09	1/4	306.30	1/4		1/4		1/4	
1/2	2,488.10	1/2	2,122.05	1/2	1,756.00	1/2	1,389.95	1/2	1,023.84	1/2	657.45	1/2	299.21	1/2		1/2		1/2	
3/4	2,480.47	3/4	2,114.42	3/4	1,748.37	3/4	1,382.32	3/4	1,016.20	3/4	649.82	3/4	292.11	3/4		3/4		3/4	
1	2,472.84	1	2,106.79	1	1,740.75	1	1,374.70	1	1,008.57	1	642.19	1	285.02	1		1		1	
1/4	2,465.22	1/4	2,099.17	1/4	1,733.12	1/4	1,367.07	1/4	1,000.94	1/4	634.56	1/4	277.92	1/4		1/4		1/4	
1/2	2,457.59	1/2	2,091.54	1/2	1,725.50	1/2	1,359.45	1/2	993.30	1/2	626.92	1/2	270.83	1/2		1/2		1/2	
3/4	2,449.96	3/4	2,083.91	3/4	1,717.87	3/4	1,351.82	3/4	985.67	3/4	619.29	3/4	263.73	3/4		3/4		3/4	
2	2,442.34	2	2,076.29	2	1,710.24	2	1,344.19	2	978.04	2	611.66	2	256.74	2		2		2	
1/4	2,434.71	1/4	2,068.66	1/4	1,702.62	1/4	1,336.57	1/4	970.41	1/4	604.03	1/4	249.75	1/4		1/4		1/4	
1/2	2,427.09	1/2	2,061.04	1/2	1,694.99	1/2	1,328.94	1/2	962.77	1/2	596.39	1/2	242.76	1/2		1/2		1/2	
3/4	2,419.46	3/4	2,053.41	3/4	1,687.36	3/4	1,321.31	3/4	955.14	3/4	588.76	3/4	235.77	3/4		3/4		3/4	
3	2,411.83	3	2,045.79	3	1,679.74	3	1,313.69	3	947.51	3	581.13	3	228.89	3		3		3	
1/4	2,404.21	1/4	2,038.16	1/4	1,672.11	1/4	1,306.06	1/4	939.88	1/4	573.49	1/4	222.00	1/4		1/4		1/4	
1/2	2,396.58	1/2	2,030.54	1/2	1,664.49	1/2	1,298.44	1/2	932.24	1/2	565.86	1/2	215.12	1/2		1/2		1/2	
3/4	2,388.95	3/4	2,022.91	3/4	1,656.86	3/4	1,290.81	3/4	924.61	3/4	558.22	3/4	208.23	3/4		3/4		3/4	
4	2,381.33	4	2,015.28	4	1,649.23	4	1,283.19	4	916.98	4	550.59	4	201.35	4		4		4	
1/4	2,373.70	1/4	2,007.66	1/4	1,641.61	1/4	1,275.56	1/4	909.35	1/4	542.96	1/4	194.46	1/4		1/4		1/4	
1/2	2,366.08	1/2	2,000.03	1/2	1,633.98	1/2	1,267.94	1/2	901.71	1/2	535.32	1/2	187.58	1/2		1/2		1/2	
3/4	2,358.45	3/4	1,992.40	3/4	1,626.35	3/4	1,260.31	3/4	894.08	3/4	527.69	3/4	180.69	3/4		3/4		3/4	
5	2,350.83	5	1,984.78	5	1,618.73	5	1,252.68	5	886.45	5	520.12	5	173.91	5		5		5	
1/4	2,343.20	1/4	1,977.15	1/4	1,611.10	1/4	1,245.06	1/4	878.81	1/4	512.55	1/4	167.13	1/4		1/4		1/4	
1/2	2,335.58	1/2	1,969.53	1/2	1,603.48	1/2	1,237.43	1/2	871.18	1/2	504.98	1/2	160.35	1/2		1/2		1/2	
3/4	2,327.95	3/4	1,961.90	3/4	1,595.85	3/4	1,229.80	3/4	863.54	3/4	497.41	3/4	153.57	3/4		3/4		3/4	
6	2,320.32	6	1,954.27	6	1,588.23	6	1,222.18	6	855.91	6	489.90	6	146.89	6		6		6	
1/4	2,312.70	1/4	1,946.65	1/4	1,580.60	1/4	1,214.55	1/4	848.28	1/4	482.39	1/4	140.22	1/4		1/4		1/4	
1/2	2,305.07	1/2	1,939.02	1/2	1,572.98	1/2	1,206.93	1/2	840.64	1/2	474.88	1/2	133.54	1/2		1/2		1/2	
3/4	2,297.44	3/4	1,931.39	3/4	1,565.35	3/4	1,199.30	3/4	833.01	3/4	467.37	3/4	126.86	3/4		3/4		3/4	
7	2,289.82	7	1,923.77	7	1,557.72	7	1,191.67	7	825.38	7	459.86	7	120.19	7		7		7	
1/4	2,282.19	1/4	1,916.14	1/4	1,550.10	1/4	1,184.05	1/4	817.75	1/4	452.35	1/4	113.51	1/4		1/4		1/4	
1/2	2,274.57	1/2	1,908.52	1/2	1,542.47	1/2	1,176.42	1/2	810.11	1/2	444.84	1/2	106.84	1/2		1/2		1/2	
3/4	2,266.94	3/4	1,900.89	3/4	1,534.84	3/4	1,168.79	3/4	802.48	3/4	437.33	3/4	100.16	3/4		3/4		3/4	
8	2,259.31	8	1,893.27	8	1,527.22	8	1,161.17	8	794.85	8	429.92	8	93.59	8		8		8	
1/4	2,251.69	1/4	1,885.64	1/4	1,519.59	1/4	1,153.54	1/4	787.22	1/4	422.52	1/4	87.02	1/4		1/4		1/4	
1/2	2,244.06	1/2	1,878.02	1/2	1,511.97	1/2	1,145.92	1/2	779.58	1/2	415.11	1/2	80.44	1/2		1/2		1/2	
3/4	2,236.43	3/4	1,870.39	3/4	1,504.34	3/4	1,138.29	3/4	771.95	3/4	407.70	3/4	73.87	3/4		3/4		3/4	
9	2,228.81	9	1,862.76	9	1,496.71	9	1,130.67	9	764.32	9	400.40	9	68.09	9		9		9	
1/4	2,221.18	1/4	1,855.14	1/4	1,489.09	1/4	1,123.04	1/4	756.69	1/4	393.10	1/4	62.31	1/4		1/4		1/4	
1/2	2,213.56	1/2	1,847.51	1/2	1,481.46	1/2	1,115.42	1/2	749.05	1/2	385.79	1/2	56.52	1/2		1/2		1/2	
3/4	2,205.93	3/4	1,839.88	3/4	1,473.83	3/4	1,107.79	3/4	741.42	3/4	378.49	3/4	50.74	3/4		3/4		3/4	
10	2,198.31	10	1,832.26	10	1,466.21	10	1,100.16	10	733.79	10	371.18	10	45.92	10		10		10	
1/4	2,190.68	1/4	1,824.63	1/4	1,458.58	1/4	1,092.53	1/4	726.15	1/4	363.88	1/4	41.10	1/4		1/4		1/4	
1/2	2,183.06	1/2	1,817.01	1/2	1,450.96	1/2	1,084.90	1/2	718.52	1/2	356.57	1/2	36.28	1/2		1/2		1/2	
3/4	2,175.43	3/4	1,809.38	3/4	1,443.33	3/4	1,077.27	3/4	710.88	3/4	349.26	3/4	31.46	3/4		3/4		3/4	
11	2,167.80	11	1,801.75	11	1,435.71	11	1,069.64	11	703.25	11	342.07	11	27.84	11		11		11	
1/4	2,160.18	1/4	1,794.13	1/4	1,428.08	1/4	1,062.01	1/4	695.62	1/4	334.88	1/4	24.21	1/4		1/4		1/4	
1/2	2,152.55	1/2	1,786.50	1/2	1,420.46	1/2	1,054.37	1/2	687.98	1/2	327.68	1/2	20.59	1/2		1/2		1/2	
3/4	2,144.92	3/4	1,778.87	3/4	1,412.83	3/4	1,046.74	3/4	680.35	3/4	320.49	3/4	16.96	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/07/2008 INSP
RECOMPUTED: 06/05/2023 JS
VERIFIED: 06/05/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

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



BARGE "KIRBY 30079"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3010"

GAUGE HEIGHT 16-11 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							4,802.66		4,457.96		4,113.28		3,768.59		3,423.90		3,079.22		2,734.53		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,795.47	1/4	4,450.78	1/4	4,106.10	1/4	3,761.41	1/4	3,416.72	1/4	3,072.03	1/4	2,727.34		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,788.29	1/2	4,443.60	1/2	4,098.92	1/2	3,754.23	1/2	3,409.54	1/2	3,064.85	1/2	2,720.16		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,781.11	3/4	4,436.42	3/4	4,091.74	3/4	3,747.05	3/4	3,402.36	3/4	3,057.67	3/4	2,712.98		
1	1	1	1	1	1	1	4,773.93	1	4,429.24	1	4,084.55	1	3,739.86	1	3,395.18	1	3,050.49	1	2,705.80		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,766.75	1/4	4,422.06	1/4	4,077.37	1/4	3,732.68	1/4	3,388.00	1/4	3,043.31	1/4	2,698.62		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,759.57	1/2	4,414.88	1/2	4,070.19	1/2	3,725.50	1/2	3,380.82	1/2	3,036.13	1/2	2,691.44		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,752.39	3/4	4,407.70	3/4	4,063.01	3/4	3,718.32	3/4	3,373.64	3/4	3,028.95	3/4	2,684.26		
2	2	2	2	2	2	2	4,745.21	2	4,400.52	2	4,055.83	2	3,711.14	2	3,366.46	2	3,021.77	2	2,677.08		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,738.02	1/4	4,393.34	1/4	4,048.65	1/4	3,703.96	1/4	3,359.27	1/4	3,014.58	1/4	2,669.90		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,730.84	1/2	4,386.16	1/2	4,041.47	1/2	3,696.78	1/2	3,352.09	1/2	3,007.40	1/2	2,662.72		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,723.66	3/4	4,378.98	3/4	4,034.29	3/4	3,689.60	3/4	3,344.91	3/4	3,000.22	3/4	2,655.54		
3	3	3	3	3	3	3	4,716.48	3	4,371.79	3	4,027.10	3	3,682.42	3	3,337.73	3	3,003.04	3	2,648.36		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,709.30	1/4	4,364.61	1/4	4,019.92	1/4	3,675.24	1/4	3,330.55	1/4	2,985.86	1/4	2,641.17		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,702.12	1/2	4,357.43	1/2	4,012.74	1/2	3,668.06	1/2	3,323.37	1/2	2,978.68	1/2	2,633.99		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,694.94	3/4	4,350.25	3/4	4,005.56	3/4	3,660.88	3/4	3,316.19	3/4	2,971.50	3/4	2,626.81		
4	4	4	4	4	4	4	4,687.76	4	4,343.07	4	3,998.38	4	3,653.69	4	3,309.01	4	2,964.32	4	2,619.63		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,680.58	1/4	4,335.89	1/4	3,991.20	1/4	3,646.51	1/4	3,301.82	1/4	2,957.14	1/4	2,612.45		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,673.40	1/2	4,328.71	1/2	3,984.02	1/2	3,639.33	1/2	3,294.64	1/2	2,949.96	1/2	2,605.27		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,666.22	3/4	4,321.53	3/4	3,976.84	3/4	3,632.15	3/4	3,287.46	3/4	2,942.78	3/4	2,598.09		
5	5	5	5	5	5	5	4,659.04	5	4,314.34	5	3,969.66	5	3,624.97	5	3,280.28	5	2,935.60	5	2,590.91		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,651.85	1/4	4,307.16	1/4	3,962.48	1/4	3,617.79	1/4	3,273.10	1/4	2,928.41	1/4	2,583.72		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,910.26	1/2	4,644.67	1/2	4,299.98	1/2	3,955.30	1/2	3,610.61	1/2	3,265.92	1/2	2,921.23	1/2	2,576.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,909.45	3/4	4,637.49	3/4	4,292.80	3/4	3,948.12	3/4	3,603.43	3/4	3,258.74	3/4	2,914.05	3/4	2,569.36
6	6	6	6	6	6	6	4,908.65	6	4,630.31	6	4,285.62	6	3,940.93	6	3,596.25	6	3,251.56	6	2,906.87	6	2,562.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,907.84	1/4	4,623.13	1/4	4,278.44	1/4	3,933.75	1/4	3,589.06	1/4	3,244.38	1/4	2,899.69	1/4	2,555.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,907.03	1/2	4,615.95	1/2	4,271.26	1/2	3,926.57	1/2	3,581.88	1/2	3,237.20	1/2	2,892.51	1/2	2,547.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,905.08	3/4	4,608.77	3/4	4,264.08	3/4	3,919.39	3/4	3,574.70	3/4	3,230.02	3/4	2,885.33	3/4	2,540.64
7	7	7	7	7	7	7	4,903.13	7	4,601.59	7	4,256.90	7	3,912.21	7	3,567.52	7	3,222.84	7	2,878.15	7	2,533.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,901.17	1/4	4,594.40	1/4	4,249.72	1/4	3,905.03	1/4	3,560.34	1/4	3,215.65	1/4	2,870.96	1/4	2,526.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,899.22	1/2	4,587.22	1/2	4,242.54	1/2	3,897.85	1/2	3,553.16	1/2	3,208.47	1/2	2,863.78	1/2	2,519.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,895.96	3/4	4,580.04	3/4	4,235.36	3/4	3,890.67	3/4	3,545.98	3/4	3,201.29	3/4	2,856.60	3/4	2,511.92
8	8	8	8	8	8	8	4,892.71	8	4,572.86	8	4,228.17	8	3,883.48	8	3,538.80	8	3,194.11	8	2,849.42	8	2,504.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,889.45	1/4	4,565.68	1/4	4,220.99	1/4	3,876.30	1/4	3,531.62	1/4	3,186.93	1/4	2,842.24	1/4	2,497.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,886.19	1/2	4,558.50	1/2	4,213.81	1/2	3,869.12	1/2	3,524.44	1/2	3,179.75	1/2	2,835.06	1/2	2,490.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,881.62	3/4	4,551.32	3/4	4,206.63	3/4	3,861.94	3/4	3,517.26	3/4	3,172.57	3/4	2,827.88	3/4	2,483.19
9	9	9	9	9	9	9	4,877.06	9	4,544.14	9	4,199.45	9	3,854.76	9	3,510.08	9	3,165.39	9	2,820.70	9	2,476.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,872.49	1/4	4,536.96	1/4	4,192.27	1/4	3,847.58	1/4	3,502.89	1/4	3,158.20	1/4	2,813.52	1/4	2,468.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,867.92	1/2	4,529.78	1/2	4,185.09	1/2	3,840.40	1/2	3,495.71	1/2	3,151.02	1/2	2,806.34	1/2	2,461.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,862.05	3/4	4,522.60	3/4	4,177.91	3/4	3,833.22	3/4	3,488.53	3/4	3,143.84	3/4	2,799.16	3/4	2,454.47
10	10	10	10	10	10	10	4,856.18	10	4,515.41	10	4,170.72	10	3,826.04	10	3,481.35	10	3,136.66	10	2,791.98	10	2,447.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,850.30	1/4	4,508.23	1/4	4,163.54	1/4	3,818.86	1/4	3,474.17	1/4	3,129.48	1/4	2,784.79	1/4	2,440.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,844.43	1/2	4,501.05	1/2	4,156.36	1/2	3,811.68	1/2	3,466.99	1/2	3,122.30	1/2	2,777.61	1/2	2,432.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,837.58	3/4	4,493.87	3/4	4,149.18	3/4	3,804.50	3/4	3,459.81	3/4	3,115.12	3/4	2,770.43	3/4	2,425.74
11	11	11	11	11	11	11	4,830.73	11	4,486.69	11	4,142.00	11	3,797.31	11	3,452.63	11	3,107.94	11	2,763.25	11	2,418.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,823.87	1/4	4,479.51	1/4	4,134.82	1/4	3,790.13	1/4	3,445.44	1/4	3,100.76	1/4	2,756.07	1/4	2,411.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,817.02	1/2	4,472.33	1/2	4,127.64	1/2	3,782.95	1/2	3,438.26	1/2	3,093.58	1/2	2,748.89	1/2	2,404.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,809.84	3/4	4,465.15	3/4	4,120.46	3/4	3,775.77	3/4	3,431.08	3/4	3,086.40	3/4	2,741.71	3/4	2,397.02

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 11'-00" OFF CENTERLINE AND 41' 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 30079"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3010"

GAUGE HEIGHT 16-11 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	2,389.84	0	2,045.15	0	1,700.46	0	1,355.78	0	1,011.71	0	668.14	0	323.45	0		0		0	
1/4	2,382.66	1/4	2,037.97	1/4	1,693.28	1/4	1,348.59	1/4	1,004.56	1/4	660.95	1/4	316.26	1/4	1/4		1/4		1/4
1/2	2,375.48	1/2	2,030.79	1/2	1,686.10	1/2	1,341.41	1/2	997.41	1/2	653.77	1/2	309.08	1/2	1/2		1/2		1/2
3/4	2,368.30	3/4	2,023.61	3/4	1,678.92	3/4	1,334.23	3/4	990.26	3/4	646.59	3/4	301.90	3/4	3/4		3/4		3/4
1	2,361.12	1	2,016.43	1	1,671.74	1	1,327.05	1	983.11	1	639.41	1	294.72	1	1		1		1
1/4	2,353.93	1/4	2,009.24	1/4	1,664.56	1/4	1,319.87	1/4	975.96	1/4	632.23	1/4	287.54	1/4	1/4		1/4		1/4
1/2	2,346.75	1/2	2,002.06	1/2	1,657.38	1/2	1,312.69	1/2	968.81	1/2	625.05	1/2	280.36	1/2	1/2		1/2		1/2
3/4	2,339.57	3/4	1,994.88	3/4	1,650.20	3/4	1,305.51	3/4	961.66	3/4	617.87	3/4	273.18	3/4	3/4		3/4		3/4
2	2,332.39	2	1,987.70	2	1,643.02	2	1,298.33	2	954.51	2	610.69	2	266.00	2	2		2		2
1/4	2,325.21	1/4	1,980.52	1/4	1,635.83	1/4	1,291.14	1/4	947.36	1/4	603.50	1/4	258.82	1/4	1/4		1/4		1/4
1/2	2,318.03	1/2	1,973.34	1/2	1,628.65	1/2	1,283.96	1/2	940.21	1/2	596.32	1/2	251.64	1/2	1/2		1/2		1/2
3/4	2,310.85	3/4	1,966.16	3/4	1,621.47	3/4	1,276.78	3/4	933.06	3/4	589.14	3/4	244.46	3/4	3/4		3/4		3/4
3	2,303.67	3	1,958.98	3	1,614.29	3	1,269.60	3	925.91	3	581.96	3	237.28	3	3		3		3
1/4	2,296.48	1/4	1,951.80	1/4	1,607.11	1/4	1,262.42	1/4	918.76	1/4	574.78	1/4	230.09	1/4	1/4		1/4		1/4
1/2	2,289.30	1/2	1,944.62	1/2	1,599.93	1/2	1,255.24	1/2	911.61	1/2	567.60	1/2	222.91	1/2	1/2		1/2		1/2
3/4	2,282.12	3/4	1,937.44	3/4	1,592.75	3/4	1,248.06	3/4	904.46	3/4	560.42	3/4	215.73	3/4	3/4		3/4		3/4
4	2,274.94	4	1,930.26	4	1,585.57	4	1,240.88	4	897.31	4	553.24	4	208.55	4	4		4		4
1/4	2,267.76	1/4	1,923.07	1/4	1,578.38	1/4	1,233.70	1/4	890.16	1/4	546.06	1/4	201.37	1/4	1/4		1/4		1/4
1/2	2,260.58	1/2	1,915.89	1/2	1,571.20	1/2	1,226.52	1/2	883.01	1/2	538.88	1/2	194.19	1/2	1/2		1/2		1/2
3/4	2,253.40	3/4	1,908.71	3/4	1,564.02	3/4	1,219.34	3/4	875.86	3/4	531.70	3/4	187.01	3/4	3/4		3/4		3/4
5	2,246.22	5	1,901.53	5	1,556.84	5	1,212.16	5	868.71	5	524.52	5	179.83	5	5		5		5
1/4	2,239.04	1/4	1,894.35	1/4	1,549.66	1/4	1,204.97	1/4	861.56	1/4	517.33	1/4	172.64	1/4	1/4		1/4		1/4
1/2	2,231.86	1/2	1,887.17	1/2	1,542.48	1/2	1,197.79	1/2	854.41	1/2	510.15	1/2	165.46	1/2	1/2		1/2		1/2
3/4	2,224.68	3/4	1,879.99	3/4	1,535.30	3/4	1,190.61	3/4	847.26	3/4	502.97	3/4	158.28	3/4	3/4		3/4		3/4
6	2,217.50	6	1,872.81	6	1,528.12	6	1,183.43	6	840.11	6	495.79	6	151.10	6	6		6		6
1/4	2,210.31	1/4	1,865.62	1/4	1,520.94	1/4	1,176.25	1/4	832.96	1/4	488.61	1/4	143.92	1/4	1/4		1/4		1/4
1/2	2,203.13	1/2	1,858.44	1/2	1,513.76	1/2	1,169.07	1/2	825.81	1/2	481.43	1/2	136.74	1/2	1/2		1/2		1/2
3/4	2,195.95	3/4	1,851.26	3/4	1,506.58	3/4	1,161.91	3/4	818.66	3/4	474.25	3/4	129.56	3/4	3/4		3/4		3/4
7	2,188.77	7	1,844.08	7	1,499.40	7	1,154.74	7	811.51	7	467.07	7	122.38	7	7		7		7
1/4	2,181.59	1/4	1,836.90	1/4	1,492.21	1/4	1,147.58	1/4	804.36	1/4	459.88	1/4	115.20	1/4	1/4		1/4		1/4
1/2	2,174.41	1/2	1,829.72	1/2	1,485.03	1/2	1,140.41	1/2	797.21	1/2	452.70	1/2	108.02	1/2	1/2		1/2		1/2
3/4	2,167.23	3/4	1,822.54	3/4	1,477.85	3/4	1,133.26	3/4	790.06	3/4	445.52	3/4	100.84	3/4	3/4		3/4		3/4
8	2,160.05	8	1,815.36	8	1,470.67	8	1,126.11	8	782.91	8	438.34	8	93.66	8	8		8		8
1/4	2,152.86	1/4	1,808.18	1/4	1,463.49	1/4	1,118.96	1/4	775.76	1/4	431.16	1/4	86.47	1/4	1/4		1/4		1/4
1/2	2,145.68	1/2	1,801.00	1/2	1,456.31	1/2	1,111.81	1/2	768.61	1/2	423.98	1/2	79.29	1/2	1/2		1/2		1/2
3/4	2,138.50	3/4	1,793.82	3/4	1,449.13	3/4	1,104.66	3/4	761.44	3/4	416.80	3/4	72.93	3/4	3/4		3/4		3/4
9	2,131.32	9	1,786.64	9	1,441.95	9	1,097.51	9	754.28	9	409.62	9	66.57	9	9		9		9
1/4	2,124.14	1/4	1,779.45	1/4	1,434.76	1/4	1,090.36	1/4	747.11	1/4	402.44	1/4	60.20	1/4	1/4		1/4		1/4
1/2	2,116.96	1/2	1,772.27	1/2	1,427.58	1/2	1,083.21	1/2	739.94	1/2	395.26	1/2	53.84	1/2	1/2		1/2		1/2
3/4	2,109.78	3/4	1,765.09	3/4	1,420.40	3/4	1,076.06	3/4	732.76	3/4	388.08	3/4	48.62	3/4	3/4		3/4		3/4
10	2,102.60	10	1,757.91	10	1,413.22	10	1,068.91	10	725.58	10	380.90	10	43.40	10	10		10		10
1/4	2,095.42	1/4	1,750.73	1/4	1,406.04	1/4	1,061.76	1/4	718.40	1/4	373.71	1/4	38.18	1/4	1/4		1/4		1/4
1/2	2,088.24	1/2	1,743.55	1/2	1,398.86	1/2	1,054.61	1/2	711.22	1/2	366.53	1/2	32.96	1/2	1/2		1/2		1/2
3/4	2,081.06	3/4	1,736.37	3/4	1,391.68	3/4	1,047.46	3/4	704.04	3/4	359.35	3/4	29.05	3/4	3/4		3/4		3/4
11	2,073.88	11	1,729.19	11	1,384.50	11	1,040.31	11	696.86	11	352.17	11	25.14	11	11		11		11
1/4	2,066.69	1/4	1,722.00	1/4	1,377.32	1/4	1,033.16	1/4	689.68	1/4	344.99	1/4	21.23	1/4	1/4		1/4		1/4
1/2	2,059.51	1/2	1,714.82	1/2	1,370.14	1/2	1,026.01	1/2	682.50	1/2	337.81	1/2	17.32	1/2	1/2		1/2		1/2
3/4	2,052.33	3/4	1,707.64	3/4	1,362.96	3/4	1,018.86	3/4	675.32	3/4	330.63	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/07/2008 INSP
RECOMPUTED: 06/05/2023 JS
VERIFIED: 06/05/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

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



BARGE "KIRBY 30079"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3010"

GAUGE HEIGHT 16-11 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
							4,809.84		4,465.15		4,120.46		3,775.77		3,431.08		3,086.40		2,741.71		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,802.66	1/4	4,457.96	1/4	4,113.28	1/4	3,768.59	1/4	3,423.90	1/4	3,079.22	1/4	2,734.53		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,795.47	1/2	4,450.78	1/2	4,106.10	1/2	3,761.41	1/2	3,416.72	1/2	3,072.03	1/2	2,727.34		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,788.29	3/4	4,443.60	3/4	4,098.92	3/4	3,754.23	3/4	3,409.54	3/4	3,064.85	3/4	2,720.16		
1	1	1	1	1	1	1	4,781.11	1	4,436.42	1	4,091.74	1	3,747.05	1	3,402.36	1	3,057.67	1	2,712.98		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,773.93	1/4	4,429.24	1/4	4,084.55	1/4	3,739.86	1/4	3,395.18	1/4	3,050.49	1/4	2,705.80		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,766.75	1/2	4,422.06	1/2	4,077.37	1/2	3,732.68	1/2	3,388.00	1/2	3,043.31	1/2	2,698.62		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,759.57	3/4	4,414.88	3/4	4,070.19	3/4	3,725.50	3/4	3,380.82	3/4	3,036.13	3/4	2,691.44		
2	2	2	2	2	2	2	4,752.39	2	4,407.70	2	4,063.01	2	3,718.32	2	3,373.64	2	3,028.95	2	2,684.26		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,745.21	1/4	4,400.52	1/4	4,055.83	1/4	3,711.14	1/4	3,366.46	1/4	3,021.77	1/4	2,677.08		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,738.02	1/2	4,393.34	1/2	4,048.65	1/2	3,703.96	1/2	3,359.27	1/2	3,014.58	1/2	2,669.90		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,730.84	3/4	4,386.16	3/4	4,041.47	3/4	3,696.78	3/4	3,352.09	3/4	3,007.40	3/4	2,662.72		
3	3	3	3	3	3	3	4,723.66	3	4,378.98	3	4,034.29	3	3,689.60	3	3,344.91	3	3,000.22	3	2,655.54		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,716.48	1/4	4,371.79	1/4	4,027.10	1/4	3,682.42	1/4	3,337.73	1/4	2,993.04	1/4	2,648.36		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,709.30	1/2	4,364.61	1/2	4,019.92	1/2	3,675.24	1/2	3,330.55	1/2	2,985.86	1/2	2,641.17		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,702.12	3/4	4,357.43	3/4	4,012.74	3/4	3,668.06	3/4	3,323.37	3/4	2,978.68	3/4	2,633.99		
4	4	4	4	4	4	4	4,694.94	4	4,350.25	4	4,005.56	4	3,660.88	4	3,316.19	4	2,971.50	4	2,626.81		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,687.76	1/4	4,343.07	1/4	3,998.38	1/4	3,653.69	1/4	3,309.01	1/4	2,964.32	1/4	2,619.63		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,680.58	1/2	4,335.89	1/2	3,991.20	1/2	3,646.51	1/2	3,301.82	1/2	2,957.14	1/2	2,612.45		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,673.40	3/4	4,328.71	3/4	3,984.02	3/4	3,639.33	3/4	3,294.64	3/4	2,949.96	3/4	2,605.27		
5	5	5	5	5	5	5	4,666.22	5	4,321.53	5	3,976.84	5	3,632.15	5	3,287.46	5	2,942.78	5	2,598.09		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,659.04	1/4	4,314.34	1/4	3,969.66	1/4	3,624.97	1/4	3,280.28	1/4	2,935.60	1/4	2,590.91		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,651.85	1/2	4,307.16	1/2	3,962.48	1/2	3,617.79	1/2	3,273.10	1/2	2,928.41	1/2	2,583.72		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,644.67	3/4	4,299.98	3/4	3,955.30	3/4	3,610.61	3/4	3,265.92	3/4	2,921.23	3/4	2,576.54		
6	6	6	4,910.26	6	4,909.45	6	4,637.49	6	4,292.80	6	3,948.12	6	3,603.43	6	3,258.74	6	2,914.05	6	2,569.36		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,908.65	1/4	4,630.31	1/4	4,285.62	1/4	3,940.93	1/4	3,596.25	1/4	3,251.56	1/4	2,906.87	1/4	2,562.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,907.84	1/2	4,623.13	1/2	4,278.44	1/2	3,933.75	1/2	3,589.06	1/2	3,244.38	1/2	2,899.69	1/2	2,555.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,907.03	3/4	4,615.95	3/4	4,271.26	3/4	3,926.57	3/4	3,581.88	3/4	3,237.20	3/4	2,892.51	3/4	2,547.82
7	7	7	4,905.08	7	4,905.08	7	4,608.77	7	4,264.08	7	3,919.39	7	3,574.70	7	3,230.02	7	2,885.33	7	2,540.64		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,903.13	1/4	4,601.59	1/4	4,256.90	1/4	3,912.21	1/4	3,567.52	1/4	3,222.84	1/4	2,878.15	1/4	2,533.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,901.17	1/2	4,594.40	1/2	4,249.72	1/2	3,905.03	1/2	3,560.34	1/2	3,215.65	1/2	2,870.96	1/2	2,526.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,899.22	3/4	4,587.22	3/4	4,242.54	3/4	3,897.85	3/4	3,553.16	3/4	3,208.47	3/4	2,863.78	3/4	2,519.10
8	8	8	4,895.96	8	4,895.96	8	4,580.04	8	4,235.36	8	3,890.67	8	3,545.98	8	3,201.29	8	2,856.60	8	2,511.92		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,892.71	1/4	4,572.86	1/4	4,228.17	1/4	3,883.48	1/4	3,538.80	1/4	3,194.11	1/4	2,849.42	1/4	2,504.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,889.45	1/2	4,565.68	1/2	4,220.99	1/2	3,876.30	1/2	3,531.62	1/2	3,186.93	1/2	2,842.24	1/2	2,497.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,886.19	3/4	4,558.50	3/4	4,213.81	3/4	3,869.12	3/4	3,524.44	3/4	3,179.75	3/4	2,835.06	3/4	2,490.37
9	9	9	4,881.62	9	4,881.62	9	4,551.32	9	4,206.63	9	3,861.94	9	3,517.26	9	3,172.57	9	2,827.88	9	2,483.19		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,877.06	1/4	4,544.14	1/4	4,199.45	1/4	3,854.76	1/4	3,510.08	1/4	3,165.39	1/4	2,820.70	1/4	2,476.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,872.49	1/2	4,536.96	1/2	4,192.27	1/2	3,847.58	1/2	3,502.89	1/2	3,158.20	1/2	2,813.52	1/2	2,468.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,867.92	3/4	4,529.78	3/4	4,185.09	3/4	3,840.40	3/4	3,495.71	3/4	3,151.02	3/4	2,806.34	3/4	2,461.65
10	10	10	4,862.05	10	4,862.05	10	4,522.60	10	4,177.91	10	3,833.22	10	3,488.53	10	3,143.84	10	2,799.16	10	2,454.47		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,856.18	1/4	4,515.41	1/4	4,170.73	1/4	3,826.04	1/4	3,481.35	1/4	3,136.66	1/4	2,791.98	1/4	2,447.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,850.30	1/2	4,508.23	1/2	4,163.56	1/2	3,818.86	1/2	3,474.17	1/2	3,129.48	1/2	2,784.79	1/2	2,440.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,844.43	3/4	4,501.05	3/4	4,156.38	3/4	3,811.68	3/4	3,466.99	3/4	3,122.30	3/4	2,777.61	3/4	2,432.92
11	11	11	4,837.58	11	4,837.58	11	4,493.87	11	4,149.19	11	3,804.50	11	3,459.81	11	3,115.12	11	2,770.43	11	2,425.74		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,830.73	1/4	4,486.69	1/4	4,142.01	1/4	3,797.31	1/4	3,452.63	1/4	3,107.94	1/4	2,763.25	1/4	2,418.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,823.87	1/2	4,479.51	1/2	4,134.82	1/2	3,790.13	1/2	3,445.44	1/2	3,100.76	1/2	2,756.07	1/2	2,411.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,817.02	3/4	4,472.33	3/4	4,127.64	3/4	3,782.95	3/4	3,438.26	3/4	3,093.58	3/4	2,748.89	3/4	2,404.20

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 11'-00" OFF CENTERLINE AND 41' 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 30079"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3010"

GAUGE HEIGHT 16-11 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,397.02	0	2,052.33	0	1,707.64	0	1,362.96	0	1,018.86	0	675.32	0	330.63	0	≡	0		0	
1/4	2,389.84	1/4	2,045.15	1/4	1,700.46	1/4	1,355.78	1/4	1,011.71	1/4	668.14	1/4	323.45	1/4		1/4		1/4	
1/2	2,382.66	1/2	2,037.97	1/2	1,693.28	1/2	1,348.59	1/2	1,004.56	1/2	660.95	1/2	316.26	1/2		1/2		1/2	
3/4	2,375.48	3/4	2,030.79	3/4	1,686.10	3/4	1,341.41	3/4	997.41	3/4	653.77	3/4	309.08	3/4		3/4		3/4	
1	2,368.30	1	2,023.61	1	1,678.92	1	1,334.23	1	990.26	1	646.59	1	301.90	1		1		1	
1/4	2,361.12	1/4	2,016.43	1/4	1,671.74	1/4	1,327.05	1/4	983.11	1/4	639.41	1/4	294.72	1/4		1/4		1/4	
1/2	2,353.93	1/2	2,009.24	1/2	1,664.56	1/2	1,319.87	1/2	975.96	1/2	632.23	1/2	287.54	1/2		1/2		1/2	
3/4	2,346.75	3/4	2,002.06	3/4	1,657.38	3/4	1,312.69	3/4	968.81	3/4	625.05	3/4	280.36	3/4		3/4		3/4	
2	2,339.57	2	1,994.88	2	1,650.20	2	1,305.51	2	961.66	2	617.87	2	273.18	2		2		2	
1/4	2,332.39	1/4	1,987.70	1/4	1,643.02	1/4	1,298.33	1/4	954.51	1/4	610.69	1/4	266.00	1/4		1/4		1/4	
1/2	2,325.21	1/2	1,980.52	1/2	1,635.83	1/2	1,291.14	1/2	947.36	1/2	603.50	1/2	258.82	1/2		1/2		1/2	
3/4	2,318.03	3/4	1,973.34	3/4	1,628.65	3/4	1,283.96	3/4	940.21	3/4	596.32	3/4	251.64	3/4		3/4		3/4	
3	2,310.85	3	1,966.16	3	1,621.47	3	1,276.78	3	933.06	3	589.14	3	244.46	3		3		3	
1/4	2,303.67	1/4	1,958.98	1/4	1,614.29	1/4	1,269.60	1/4	925.91	1/4	581.96	1/4	237.28	1/4		1/4		1/4	
1/2	2,296.48	1/2	1,951.80	1/2	1,607.11	1/2	1,262.42	1/2	918.76	1/2	574.78	1/2	230.09	1/2		1/2		1/2	
3/4	2,289.30	3/4	1,944.62	3/4	1,599.93	3/4	1,255.24	3/4	911.61	3/4	567.60	3/4	222.91	3/4		3/4		3/4	
4	2,282.12	4	1,937.44	4	1,592.75	4	1,248.06	4	904.46	4	560.42	4	215.73	4		4		4	
1/4	2,274.94	1/4	1,930.26	1/4	1,585.57	1/4	1,240.88	1/4	897.31	1/4	553.24	1/4	208.55	1/4		1/4		1/4	
1/2	2,267.76	1/2	1,923.07	1/2	1,578.38	1/2	1,233.70	1/2	890.16	1/2	546.06	1/2	201.37	1/2		1/2		1/2	
3/4	2,260.58	3/4	1,915.89	3/4	1,571.20	3/4	1,226.52	3/4	883.01	3/4	538.88	3/4	194.19	3/4		3/4		3/4	
5	2,253.40	5	1,908.71	5	1,564.02	5	1,219.34	5	875.86	5	531.70	5	187.01	5		5		5	
1/4	2,246.22	1/4	1,901.53	1/4	1,556.84	1/4	1,212.16	1/4	868.71	1/4	524.52	1/4	179.83	1/4		1/4		1/4	
1/2	2,239.04	1/2	1,894.35	1/2	1,549.66	1/2	1,204.97	1/2	861.56	1/2	517.33	1/2	172.64	1/2		1/2		1/2	
3/4	2,231.86	3/4	1,887.17	3/4	1,542.48	3/4	1,197.79	3/4	854.41	3/4	510.15	3/4	165.46	3/4		3/4		3/4	
6	2,224.68	6	1,879.99	6	1,535.30	6	1,190.61	6	847.26	6	502.97	6	158.28	6		6		6	
1/4	2,217.50	1/4	1,872.81	1/4	1,528.12	1/4	1,183.43	1/4	840.11	1/4	495.79	1/4	151.10	1/4		1/4		1/4	
1/2	2,210.31	1/2	1,865.62	1/2	1,520.94	1/2	1,176.25	1/2	832.96	1/2	488.61	1/2	143.92	1/2		1/2		1/2	
3/4	2,203.13	3/4	1,858.44	3/4	1,513.76	3/4	1,169.07	3/4	825.81	3/4	481.43	3/4	136.74	3/4		3/4		3/4	
7	2,195.95	7	1,851.26	7	1,506.58	7	1,161.91	7	818.66	7	474.25	7	129.56	7		7		7	
1/4	2,188.77	1/4	1,844.08	1/4	1,499.40	1/4	1,154.74	1/4	811.51	1/4	467.07	1/4	122.38	1/4		1/4		1/4	
1/2	2,181.59	1/2	1,836.90	1/2	1,492.21	1/2	1,147.58	1/2	804.36	1/2	459.88	1/2	115.20	1/2		1/2		1/2	
3/4	2,174.41	3/4	1,829.72	3/4	1,485.03	3/4	1,140.41	3/4	797.21	3/4	452.70	3/4	108.02	3/4		3/4		3/4	
8	2,167.23	8	1,822.54	8	1,477.85	8	1,133.26	8	790.06	8	445.52	8	100.84	8		8		8	
1/4	2,160.05	1/4	1,815.36	1/4	1,470.67	1/4	1,126.11	1/4	782.91	1/4	438.34	1/4	93.66	1/4		1/4		1/4	
1/2	2,152.86	1/2	1,808.18	1/2	1,463.49	1/2	1,118.96	1/2	775.76	1/2	431.16	1/2	86.47	1/2		1/2		1/2	
3/4	2,145.68	3/4	1,801.00	3/4	1,456.31	3/4	1,111.81	3/4	768.61	3/4	423.98	3/4	79.29	3/4		3/4		3/4	
9	2,138.50	9	1,793.82	9	1,449.13	9	1,104.66	9	761.44	9	416.80	9	72.93	9		9		9	
1/4	2,131.32	1/4	1,786.64	1/4	1,441.95	1/4	1,097.51	1/4	754.28	1/4	409.62	1/4	66.57	1/4		1/4		1/4	
1/2	2,124.14	1/2	1,779.45	1/2	1,434.76	1/2	1,090.36	1/2	747.11	1/2	402.44	1/2	60.20	1/2		1/2		1/2	
3/4	2,116.96	3/4	1,772.27	3/4	1,427.58	3/4	1,083.21	3/4	739.94	3/4	395.26	3/4	53.84	3/4		3/4		3/4	
10	2,109.78	10	1,765.09	10	1,420.40	10	1,076.06	10	732.76	10	388.08	10	48.62	10		10		10	
1/4	2,102.60	1/4	1,757.91	1/4	1,413.22	1/4	1,068.91	1/4	725.58	1/4	380.90	1/4	43.40	1/4		1/4		1/4	
1/2	2,095.42	1/2	1,750.73	1/2	1,406.04	1/2	1,061.76	1/2	718.40	1/2	373.71	1/2	38.18	1/2		1/2		1/2	
3/4	2,088.24	3/4	1,743.55	3/4	1,398.86	3/4	1,054.61	3/4	711.22	3/4	366.53	3/4	32.96	3/4		3/4		3/4	
11	2,081.06	11	1,736.37	11	1,391.68	11	1,047.46	11	704.04	11	359.35	11	29.05	11		11		11	
1/4	2,073.88	1/4	1,729.19	1/4	1,384.50	1/4	1,040.31	1/4	696.86	1/4	352.17	1/4	25.14	1/4		1/4		1/4	
1/2	2,066.69	1/2	1,722.00	1/2	1,377.32	1/2	1,033.16	1/2	689.68	1/2	344.99	1/2	21.23	1/2		1/2		1/2	
3/4	2,059.51	3/4	1,714.82	3/4	1,370.14	3/4	1,026.01	3/4	682.50	3/4	337.81	3/4	17.32	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/07/2008 INSP
RECOMPUTED: 06/05/2023 JS
VERIFIED: 06/05/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

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



BARGE "KIRBY 30079"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3010"

GAUGE HEIGHT 16-11 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							4,541.50		4,302.22		4,062.94		3,823.66		3,584.38		3,254.27		2,890.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,536.52	1/4	4,297.24	1/4	4,057.96	1/4	3,818.68	1/4	3,579.40	1/4	3,246.69	1/4	2,882.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,531.53	1/2	4,292.25	1/2	4,052.97	1/2	3,813.69	1/2	3,574.41	1/2	3,239.10	1/2	2,875.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,526.55	3/4	4,287.27	3/4	4,047.99	3/4	3,808.71	3/4	3,569.14	3/4	3,231.52	3/4	2,867.44
1	1	1	1	1	1	1	4,521.56	1	4,282.28	1	4,043.00	1	3,803.72	1	3,563.87	1	3,223.93	1	2,859.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,516.58	1/4	4,277.30	1/4	4,038.02	1/4	3,798.74	1/4	3,558.59	1/4	3,216.35	1/4	2,852.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,511.59	1/2	4,272.31	1/2	4,033.03	1/2	3,793.75	1/2	3,553.32	1/2	3,208.76	1/2	2,844.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,506.61	3/4	4,267.33	3/4	4,028.05	3/4	3,788.77	3/4	3,547.63	3/4	3,201.18	3/4	2,837.10
2	2	2	2	2	2	2	4,501.62	2	4,262.34	2	4,023.06	2	3,783.78	2	3,541.94	2	3,193.59	2	2,829.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,496.64	1/4	4,257.36	1/4	4,018.08	1/4	3,778.80	1/4	3,536.25	1/4	3,186.01	1/4	2,821.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,491.65	1/2	4,252.37	1/2	4,013.09	1/2	3,773.81	1/2	3,530.56	1/2	3,178.42	1/2	2,814.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,486.67	3/4	4,247.39	3/4	4,008.11	3/4	3,768.83	3/4	3,524.40	3/4	3,170.84	3/4	2,806.76
3	3	3	3	3	3	3	4,481.68	3	4,242.40	3	4,003.12	3	3,763.84	3	3,518.24	3	3,163.25	3	2,799.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,476.70	1/4	4,237.42	1/4	3,998.14	1/4	3,758.86	1/4	3,512.07	1/4	3,155.67	1/4	2,791.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,471.71	1/2	4,232.43	1/2	3,993.15	1/2	3,753.87	1/2	3,505.91	1/2	3,148.08	1/2	2,784.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,466.73	3/4	4,227.45	3/4	3,988.17	3/4	3,748.89	3/4	3,499.27	3/4	3,140.50	3/4	2,776.42
4	4	4	4	4	4	4	4,461.74	4	4,222.46	4	3,983.18	4	3,743.90	4	3,492.64	4	3,132.91	4	2,768.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,456.76	1/4	4,217.48	1/4	3,978.20	1/4	3,738.92	1/4	3,486.00	1/4	3,125.33	1/4	2,761.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,451.77	1/2	4,212.49	1/2	3,973.21	1/2	3,733.93	1/2	3,479.36	1/2	3,117.74	1/2	2,753.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,446.79	3/4	4,207.51	3/4	3,968.23	3/4	3,728.95	3/4	3,472.26	3/4	3,110.16	3/4	2,746.08
5	5	5	5	5	5	5	4,441.80	5	4,202.52	5	3,963.24	5	3,723.96	5	3,465.16	5	3,102.57	5	2,738.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,436.82	1/4	4,197.54	1/4	3,958.26	1/4	3,718.98	1/4	3,458.06	1/4	3,094.99	1/4	2,730.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,431.83	1/2	4,192.55	1/2	3,953.27	1/2	3,713.99	1/2	3,450.96	1/2	3,087.40	1/2	2,723.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,426.85	3/4	4,187.57	3/4	3,948.29	3/4	3,709.01	3/4	3,443.51	3/4	3,079.82	3/4	2,715.74
6	6	6	6	6	6	6	4,421.86	6	4,182.58	6	3,943.30	6	3,704.02	6	3,436.05	6	3,072.23	6	2,708.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,416.88	1/4	4,177.60	1/4	3,938.32	1/4	3,699.04	1/4	3,428.60	1/4	3,064.65	1/4	2,700.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,411.89	1/2	4,172.61	1/2	3,933.33	1/2	3,694.05	1/2	3,421.14	1/2	3,057.06	1/2	2,692.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,406.91	3/4	4,167.63	3/4	3,928.35	3/4	3,689.07	3/4	3,413.56	3/4	3,049.48	3/4	2,685.40
7	7	7	7	7	7	7	4,401.92	7	4,162.64	7	3,923.36	7	3,684.08	7	3,405.97	7	3,041.89	7	2,677.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,396.94	1/4	4,157.66	1/4	3,918.38	1/4	3,679.10	1/4	3,398.39	1/4	3,034.31	1/4	2,670.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,391.95	1/2	4,152.67	1/2	3,913.39	1/2	3,674.11	1/2	3,390.80	1/2	3,026.72	1/2	2,662.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,386.97	3/4	4,147.69	3/4	3,908.41	3/4	3,669.13	3/4	3,383.22	3/4	3,019.14	3/4	2,655.06
8	8	8	8	8	8	8	4,381.98	8	4,142.70	8	3,903.42	8	3,664.14	8	3,375.63	8	3,011.55	8	2,647.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,377.00	1/4	4,137.72	1/4	3,898.44	1/4	3,659.16	1/4	3,368.05	1/4	3,003.97	1/4	2,639.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,372.01	1/2	4,132.73	1/2	3,893.45	1/2	3,654.17	1/2	3,360.46	1/2	2,996.38	1/2	2,632.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,367.03	3/4	4,127.75	3/4	3,888.47	3/4	3,649.19	3/4	3,352.88	3/4	2,988.80	3/4	2,624.72
9	9	9	9	9	9	9	4,362.04	9	4,122.76	9	3,883.48	9	3,644.20	9	3,345.29	9	2,981.21	9	2,617.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,357.06	1/4	4,117.78	1/4	3,878.50	1/4	3,639.22	1/4	3,337.71	1/4	2,973.63	1/4	2,609.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,352.07	1/2	4,112.79	1/2	3,873.51	1/2	3,634.23	1/2	3,330.12	1/2	2,966.04	1/2	2,601.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,347.09	3/4	4,107.81	3/4	3,868.53	3/4	3,629.25	3/4	3,322.54	3/4	2,958.46	3/4	2,594.38
10	10	10	10	10	10	10	4,342.10	10	4,102.82	10	3,863.54	10	3,624.26	10	3,314.95	10	2,950.87	10	2,586.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,337.12	1/4	4,097.84	1/4	3,858.56	1/4	3,619.28	1/4	3,307.37	1/4	2,943.29	1/4	2,579.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,332.13	1/2	4,092.85	1/2	3,853.57	1/2	3,614.29	1/2	3,299.78	1/2	2,935.70	1/2	2,571.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,327.15	3/4	4,087.87	3/4	3,848.59	3/4	3,609.31	3/4	3,292.20	3/4	2,928.12	3/4	2,564.04
11	11	11	11	11	11	11	4,322.16	11	4,082.88	11	3,843.60	11	3,604.32	11	3,284.61	11	2,920.53	11	2,556.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,317.18	1/4	4,077.90	1/4	3,838.62	1/4	3,599.34	1/4	3,277.03	1/4	2,912.95	1/4	2,548.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,312.19	1/2	4,072.91	1/2	3,833.63	1/2	3,594.35	1/2	3,269.44	1/2	2,905.36	1/2	2,541.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,307.21	3/4	4,067.93	3/4	3,828.65	3/4	3,589.37	3/4	3,261.86	3/4	2,897.78	3/4	2,533.70

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 11'-00" OFF CENTERLINE AND 43' 05" 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 30079"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3010"

GAUGE HEIGHT 16-11 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	2,526.11	0	2,162.03	0	1,797.95	0	1,433.87	0	1,069.79	0	705.71	0	341.63	0		0		0	
1/4	2,518.53	1/4	2,154.45	1/4	1,790.37	1/4	1,426.29	1/4	1,062.21	1/4	698.13	1/4	334.05	1/4	1/4		1/4		1/4
1/2	2,510.94	1/2	2,146.86	1/2	1,782.78	1/2	1,418.70	1/2	1,054.62	1/2	690.54	1/2	326.46	1/2	1/2		1/2		1/2
3/4	2,503.36	3/4	2,139.28	3/4	1,775.20	3/4	1,411.12	3/4	1,047.04	3/4	682.96	3/4	318.88	3/4	3/4		3/4		3/4
1	2,495.77	1	2,131.69	1	1,767.61	1	1,403.53	1	1,039.45	1	675.37	1	311.29	1	1		1		1
1/4	2,488.19	1/4	2,124.11	1/4	1,760.03	1/4	1,395.95	1/4	1,031.87	1/4	667.79	1/4	303.71	1/4	1/4		1/4		1/4
1/2	2,480.60	1/2	2,116.52	1/2	1,752.44	1/2	1,388.36	1/2	1,024.28	1/2	660.20	1/2	296.12	1/2	1/2		1/2		1/2
3/4	2,473.02	3/4	2,108.94	3/4	1,744.86	3/4	1,380.78	3/4	1,016.70	3/4	652.62	3/4	288.54	3/4	3/4		3/4		3/4
2	2,465.43	2	2,101.35	2	1,737.27	2	1,373.19	2	1,009.11	2	645.03	2	280.95	2	2		2		2
1/4	2,457.85	1/4	2,093.77	1/4	1,729.69	1/4	1,365.61	1/4	1,001.53	1/4	637.45	1/4	273.37	1/4	1/4		1/4		1/4
1/2	2,450.26	1/2	2,086.18	1/2	1,722.10	1/2	1,358.02	1/2	993.94	1/2	629.86	1/2	265.78	1/2	1/2		1/2		1/2
3/4	2,442.68	3/4	2,078.60	3/4	1,714.52	3/4	1,350.44	3/4	986.36	3/4	622.28	3/4	258.20	3/4	3/4		3/4		3/4
3	2,435.09	3	2,071.01	3	1,706.93	3	1,342.85	3	978.77	3	614.69	3	250.61	3	3		3		3
1/4	2,427.51	1/4	2,063.43	1/4	1,699.35	1/4	1,335.27	1/4	971.19	1/4	607.11	1/4	243.03	1/4	1/4		1/4		1/4
1/2	2,419.92	1/2	2,055.84	1/2	1,691.76	1/2	1,327.68	1/2	963.60	1/2	599.52	1/2	235.44	1/2	1/2		1/2		1/2
3/4	2,412.34	3/4	2,048.26	3/4	1,684.18	3/4	1,320.10	3/4	956.02	3/4	591.94	3/4	227.86	3/4	3/4		3/4		3/4
4	2,404.75	4	2,040.67	4	1,676.59	4	1,312.51	4	948.43	4	584.35	4	220.27	4	4		4		4
1/4	2,397.17	1/4	2,033.09	1/4	1,669.01	1/4	1,304.93	1/4	940.85	1/4	576.77	1/4	212.69	1/4	1/4		1/4		1/4
1/2	2,389.58	1/2	2,025.50	1/2	1,661.42	1/2	1,297.34	1/2	933.26	1/2	569.18	1/2	205.10	1/2	1/2		1/2		1/2
3/4	2,382.00	3/4	2,017.92	3/4	1,653.84	3/4	1,289.76	3/4	925.68	3/4	561.60	3/4	197.52	3/4	3/4		3/4		3/4
5	2,374.41	5	2,010.33	5	1,646.25	5	1,282.17	5	918.09	5	554.01	5	189.93	5	5		5		5
1/4	2,366.83	1/4	2,002.75	1/4	1,638.67	1/4	1,274.59	1/4	910.51	1/4	546.43	1/4	182.35	1/4	1/4		1/4		1/4
1/2	2,359.24	1/2	1,995.16	1/2	1,631.08	1/2	1,267.00	1/2	902.92	1/2	538.84	1/2	174.76	1/2	1/2		1/2		1/2
3/4	2,351.66	3/4	1,987.58	3/4	1,623.50	3/4	1,259.42	3/4	895.34	3/4	531.26	3/4	167.18	3/4	3/4		3/4		3/4
6	2,344.07	6	1,979.99	6	1,615.91	6	1,251.83	6	887.75	6	523.67	6	159.59	6	6		6		6
1/4	2,336.49	1/4	1,972.41	1/4	1,608.33	1/4	1,244.25	1/4	880.17	1/4	516.09	1/4	152.01	1/4	1/4		1/4		1/4
1/2	2,328.90	1/2	1,964.82	1/2	1,600.74	1/2	1,236.66	1/2	872.58	1/2	508.50	1/2	144.42	1/2	1/2		1/2		1/2
3/4	2,321.32	3/4	1,957.24	3/4	1,593.16	3/4	1,229.08	3/4	865.00	3/4	500.92	3/4	136.84	3/4	3/4		3/4		3/4
7	2,313.73	7	1,949.65	7	1,585.57	7	1,221.49	7	857.41	7	493.33	7	129.25	7	7		7		7
1/4	2,306.15	1/4	1,942.07	1/4	1,577.99	1/4	1,213.91	1/4	849.83	1/4	485.75	1/4	121.67	1/4	1/4		1/4		1/4
1/2	2,298.56	1/2	1,934.48	1/2	1,570.40	1/2	1,206.32	1/2	842.24	1/2	478.16	1/2	114.08	1/2	1/2		1/2		1/2
3/4	2,290.98	3/4	1,926.90	3/4	1,562.82	3/4	1,198.74	3/4	834.66	3/4	470.58	3/4	106.50	3/4	3/4		3/4		3/4
8	2,283.39	8	1,919.31	8	1,555.23	8	1,191.15	8	827.07	8	462.99	8	98.91	8	8		8		8
1/4	2,275.81	1/4	1,911.73	1/4	1,547.65	1/4	1,183.57	1/4	819.49	1/4	455.41	1/4	91.33	1/4	1/4		1/4		1/4
1/2	2,268.22	1/2	1,904.14	1/2	1,540.06	1/2	1,175.98	1/2	811.90	1/2	447.82	1/2	83.74	1/2	1/2		1/2		1/2
3/4	2,260.64	3/4	1,896.56	3/4	1,532.48	3/4	1,168.40	3/4	804.32	3/4	440.24	3/4	77.02	3/4	3/4		3/4		3/4
9	2,253.05	9	1,888.97	9	1,524.89	9	1,160.81	9	796.73	9	432.65	9	70.30	9	9		9		9
1/4	2,245.47	1/4	1,881.39	1/4	1,517.31	1/4	1,153.23	1/4	789.15	1/4	425.07	1/4	63.57	1/4	1/4		1/4		1/4
1/2	2,237.88	1/2	1,873.80	1/2	1,509.72	1/2	1,145.64	1/2	781.56	1/2	417.48	1/2	56.85	1/2	1/2		1/2		1/2
3/4	2,230.30	3/4	1,866.22	3/4	1,502.14	3/4	1,138.06	3/4	773.98	3/4	409.90	3/4	51.34	3/4	3/4		3/4		3/4
10	2,222.71	10	1,858.63	10	1,494.55	10	1,130.47	10	766.39	10	402.31	10	45.83	10	10		10		10
1/4	2,215.13	1/4	1,851.05	1/4	1,486.97	1/4	1,122.89	1/4	758.81	1/4	394.73	1/4	40.31	1/4	1/4		1/4		1/4
1/2	2,207.54	1/2	1,843.46	1/2	1,479.38	1/2	1,115.30	1/2	751.22	1/2	387.14	1/2	34.80	1/2	1/2		1/2		1/2
3/4	2,199.96	3/4	1,835.88	3/4	1,471.80	3/4	1,107.72	3/4	743.64	3/4	379.56	3/4	30.67	3/4	3/4		3/4		3/4
11	2,192.37	11	1,828.29	11	1,464.21	11	1,100.13	11	736.05	11	371.97	11	26.54	11	11		11		11
1/4	2,184.79	1/4	1,820.71	1/4	1,456.63	1/4	1,092.55	1/4	728.47	1/4	364.39	1/4	22.41	1/4	1/4		1/4		1/4
1/2	2,177.20	1/2	1,813.12	1/2	1,449.04	1/2	1,084.96	1/2	720.88	1/2	356.80	1/2	18.28	1/2	1/2		1/2		1/2
3/4	2,169.62	3/4	1,805.54	3/4	1,441.46	3/4	1,077.38	3/4	713.30	3/4	349.22	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/07/2008 INSP
RECOMPUTED: 06/05/2023 JS
VERIFIED: 06/05/2023

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023



BARGE "KIRBY 30079"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3010"

GAUGE HEIGHT 16-11 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							4,541.50		4,302.22		4,062.94		3,823.66		3,584.38		3,254.27		2,890.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,536.52	1/4	4,297.24	1/4	4,057.96	1/4	3,818.68	1/4	3,579.40	1/4	3,246.69	1/4	2,882.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,531.53	1/2	4,292.25	1/2	4,052.97	1/2	3,813.69	1/2	3,574.41	1/2	3,239.10	1/2	2,875.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,526.55	3/4	4,287.27	3/4	4,047.99	3/4	3,808.71	3/4	3,569.14	3/4	3,231.52	3/4	2,867.44
1	1	1	1	1	1	1	4,521.56	1	4,282.28	1	4,043.00	1	3,803.72	1	3,563.87	1	3,223.93	1	2,859.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,516.58	1/4	4,277.30	1/4	4,038.02	1/4	3,798.74	1/4	3,558.59	1/4	3,216.35	1/4	2,852.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,511.59	1/2	4,272.31	1/2	4,033.03	1/2	3,793.75	1/2	3,553.32	1/2	3,208.76	1/2	2,844.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,506.61	3/4	4,267.33	3/4	4,028.05	3/4	3,788.77	3/4	3,547.63	3/4	3,201.18	3/4	2,837.10
2	2	2	2	2	2	2	4,501.62	2	4,262.34	2	4,023.06	2	3,783.78	2	3,541.94	2	3,193.59	2	2,829.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,496.64	1/4	4,257.36	1/4	4,018.08	1/4	3,778.80	1/4	3,536.25	1/4	3,186.01	1/4	2,821.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,491.65	1/2	4,252.37	1/2	4,013.09	1/2	3,773.81	1/2	3,530.56	1/2	3,178.42	1/2	2,814.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,486.67	3/4	4,247.39	3/4	4,008.11	3/4	3,768.83	3/4	3,524.40	3/4	3,170.84	3/4	2,806.76
3	3	3	3	3	3	3	4,481.68	3	4,242.40	3	4,003.12	3	3,763.84	3	3,518.24	3	3,163.25	3	2,799.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,476.70	1/4	4,237.42	1/4	3,998.14	1/4	3,758.86	1/4	3,512.07	1/4	3,155.67	1/4	2,791.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,471.71	1/2	4,232.43	1/2	3,993.15	1/2	3,753.87	1/2	3,505.91	1/2	3,148.08	1/2	2,784.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,466.73	3/4	4,227.45	3/4	3,988.17	3/4	3,748.89	3/4	3,499.27	3/4	3,140.50	3/4	2,776.42
4	4	4	4	4	4	4	4,461.74	4	4,222.46	4	3,983.18	4	3,743.90	4	3,492.64	4	3,132.91	4	2,768.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,456.76	1/4	4,217.48	1/4	3,978.20	1/4	3,738.92	1/4	3,486.00	1/4	3,125.33	1/4	2,761.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,451.77	1/2	4,212.49	1/2	3,973.21	1/2	3,733.93	1/2	3,479.36	1/2	3,117.74	1/2	2,753.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,446.79	3/4	4,207.51	3/4	3,968.23	3/4	3,728.95	3/4	3,472.26	3/4	3,110.16	3/4	2,746.08
5	5	5	5	5	5	5	4,441.80	5	4,202.52	5	3,963.24	5	3,723.96	5	3,465.16	5	3,102.57	5	2,738.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,436.82	1/4	4,197.54	1/4	3,958.26	1/4	3,718.98	1/4	3,458.06	1/4	3,094.99	1/4	2,730.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,431.83	1/2	4,192.55	1/2	3,953.27	1/2	3,713.99	1/2	3,450.96	1/2	3,087.40	1/2	2,723.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,426.85	3/4	4,187.57	3/4	3,948.29	3/4	3,709.01	3/4	3,443.51	3/4	3,079.82	3/4	2,715.74
6	6	6	6	6	6	6	4,421.86	6	4,182.58	6	3,943.30	6	3,704.02	6	3,436.05	6	3,072.23	6	2,708.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,416.88	1/4	4,177.60	1/4	3,938.32	1/4	3,699.04	1/4	3,428.60	1/4	3,064.65	1/4	2,700.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,411.89	1/2	4,172.61	1/2	3,933.33	1/2	3,694.05	1/2	3,421.14	1/2	3,057.06	1/2	2,692.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,406.91	3/4	4,167.63	3/4	3,928.35	3/4	3,689.07	3/4	3,413.56	3/4	3,049.48	3/4	2,685.40
7	7	7	7	7	7	7	4,401.92	7	4,162.64	7	3,923.36	7	3,684.08	7	3,405.97	7	3,041.89	7	2,677.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,396.94	1/4	4,157.66	1/4	3,918.38	1/4	3,679.10	1/4	3,398.39	1/4	3,034.31	1/4	2,670.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,391.95	1/2	4,152.67	1/2	3,913.39	1/2	3,674.11	1/2	3,390.80	1/2	3,026.72	1/2	2,662.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,386.97	3/4	4,147.69	3/4	3,908.41	3/4	3,669.13	3/4	3,383.22	3/4	3,019.14	3/4	2,655.06
8	8	8	8	8	8	8	4,381.98	8	4,142.70	8	3,903.42	8	3,664.14	8	3,375.63	8	3,011.55	8	2,647.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,377.00	1/4	4,137.72	1/4	3,898.44	1/4	3,659.16	1/4	3,368.05	1/4	3,003.97	1/4	2,639.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,372.01	1/2	4,132.73	1/2	3,893.45	1/2	3,654.17	1/2	3,360.46	1/2	2,996.38	1/2	2,632.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,367.03	3/4	4,127.75	3/4	3,888.47	3/4	3,649.19	3/4	3,352.88	3/4	2,988.80	3/4	2,624.72
9	9	9	9	9	9	9	4,362.04	9	4,122.76	9	3,883.48	9	3,644.20	9	3,345.29	9	2,981.21	9	2,617.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,357.06	1/4	4,117.78	1/4	3,878.50	1/4	3,639.22	1/4	3,337.71	1/4	2,973.63	1/4	2,609.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,352.07	1/2	4,112.79	1/2	3,873.51	1/2	3,634.23	1/2	3,330.12	1/2	2,966.04	1/2	2,601.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,347.09	3/4	4,107.81	3/4	3,868.53	3/4	3,629.25	3/4	3,322.54	3/4	2,958.46	3/4	2,594.38
10	10	10	10	10	10	10	4,342.10	10	4,102.82	10	3,863.54	10	3,624.26	10	3,314.95	10	2,950.87	10	2,586.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,337.12	1/4	4,097.84	1/4	3,858.56	1/4	3,619.28	1/4	3,307.37	1/4	2,943.29	1/4	2,579.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,332.13	1/2	4,092.85	1/2	3,853.57	1/2	3,614.29	1/2	3,299.78	1/2	2,935.70	1/2	2,571.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,327.15	3/4	4,087.87	3/4	3,848.59	3/4	3,609.31	3/4	3,292.20	3/4	2,928.12	3/4	2,564.04
11	11	11	11	11	11	11	4,322.16	11	4,082.88	11	3,843.60	11	3,604.32	11	3,284.61	11	2,920.53	11	2,556.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,317.18	1/4	4,077.90	1/4	3,838.62	1/4	3,599.34	1/4	3,277.03	1/4	2,912.95	1/4	2,548.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,312.19	1/2	4,072.91	1/2	3,833.63	1/2	3,594.35	1/2	3,269.44	1/2	2,905.36	1/2	2,541.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,307.21	3/4	4,067.93	3/4	3,828.65	3/4	3,589.37	3/4	3,261.86	3/4	2,897.78	3/4	2,533.70

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 11'-00" OFF CENTERLINE AND 43' 05" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "KIRBY 30079"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "WTC 3010"

GAUGE HEIGHT 16-11 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	2,526.11	0	2,162.03	0	1,797.95	0	1,433.87	0	1,069.79	0	705.71	0	341.63	0		0		0	
1/4	2,518.53	1/4	2,154.45	1/4	1,790.37	1/4	1,426.29	1/4	1,062.21	1/4	698.13	1/4	334.05	1/4	1/4		1/4		1/4
1/2	2,510.94	1/2	2,146.86	1/2	1,782.78	1/2	1,418.70	1/2	1,054.62	1/2	690.54	1/2	326.46	1/2	1/2		1/2		1/2
3/4	2,503.36	3/4	2,139.28	3/4	1,775.20	3/4	1,411.12	3/4	1,047.04	3/4	682.96	3/4	318.88	3/4	3/4		3/4		3/4
1	2,495.77	1	2,131.69	1	1,767.61	1	1,403.53	1	1,039.45	1	675.37	1	311.29	1	1		1		1
1/4	2,488.19	1/4	2,124.11	1/4	1,760.03	1/4	1,395.95	1/4	1,031.87	1/4	667.79	1/4	303.71	1/4	1/4		1/4		1/4
1/2	2,480.60	1/2	2,116.52	1/2	1,752.44	1/2	1,388.36	1/2	1,024.28	1/2	660.20	1/2	296.12	1/2	1/2		1/2		1/2
3/4	2,473.02	3/4	2,108.94	3/4	1,744.86	3/4	1,380.78	3/4	1,016.70	3/4	652.62	3/4	288.54	3/4	3/4		3/4		3/4
2	2,465.43	2	2,101.35	2	1,737.27	2	1,373.19	2	1,009.11	2	645.03	2	280.95	2	2		2		2
1/4	2,457.85	1/4	2,093.77	1/4	1,729.69	1/4	1,365.61	1/4	1,001.53	1/4	637.45	1/4	273.37	1/4	1/4		1/4		1/4
1/2	2,450.26	1/2	2,086.18	1/2	1,722.10	1/2	1,358.02	1/2	993.94	1/2	629.86	1/2	265.78	1/2	1/2		1/2		1/2
3/4	2,442.68	3/4	2,078.60	3/4	1,714.52	3/4	1,350.44	3/4	986.36	3/4	622.28	3/4	258.20	3/4	3/4		3/4		3/4
3	2,435.09	3	2,071.01	3	1,706.93	3	1,342.85	3	978.77	3	614.69	3	250.61	3	3		3		3
1/4	2,427.51	1/4	2,063.43	1/4	1,699.35	1/4	1,335.27	1/4	971.19	1/4	607.11	1/4	243.03	1/4	1/4		1/4		1/4
1/2	2,419.92	1/2	2,055.84	1/2	1,691.76	1/2	1,327.68	1/2	963.60	1/2	599.52	1/2	235.44	1/2	1/2		1/2		1/2
3/4	2,412.34	3/4	2,048.26	3/4	1,684.18	3/4	1,320.10	3/4	956.02	3/4	591.94	3/4	227.86	3/4	3/4		3/4		3/4
4	2,404.75	4	2,040.67	4	1,676.59	4	1,312.51	4	948.43	4	584.35	4	220.27	4	4		4		4
1/4	2,397.17	1/4	2,033.09	1/4	1,669.01	1/4	1,304.93	1/4	940.85	1/4	576.77	1/4	212.69	1/4	1/4		1/4		1/4
1/2	2,389.58	1/2	2,025.50	1/2	1,661.42	1/2	1,297.34	1/2	933.26	1/2	569.18	1/2	205.10	1/2	1/2		1/2		1/2
3/4	2,382.00	3/4	2,017.92	3/4	1,653.84	3/4	1,289.76	3/4	925.68	3/4	561.60	3/4	197.52	3/4	3/4		3/4		3/4
5	2,374.41	5	2,010.33	5	1,646.25	5	1,282.17	5	918.09	5	554.01	5	189.93	5	5		5		5
1/4	2,366.83	1/4	2,002.75	1/4	1,638.67	1/4	1,274.59	1/4	910.51	1/4	546.43	1/4	182.35	1/4	1/4		1/4		1/4
1/2	2,359.24	1/2	1,995.16	1/2	1,631.08	1/2	1,267.00	1/2	902.92	1/2	538.84	1/2	174.76	1/2	1/2		1/2		1/2
3/4	2,351.66	3/4	1,987.58	3/4	1,623.50	3/4	1,259.42	3/4	895.34	3/4	531.26	3/4	167.18	3/4	3/4		3/4		3/4
6	2,344.07	6	1,979.99	6	1,615.91	6	1,251.83	6	887.75	6	523.67	6	159.59	6	6		6		6
1/4	2,336.49	1/4	1,972.41	1/4	1,608.33	1/4	1,244.25	1/4	880.17	1/4	516.09	1/4	152.01	1/4	1/4		1/4		1/4
1/2	2,328.90	1/2	1,964.82	1/2	1,600.74	1/2	1,236.66	1/2	872.58	1/2	508.50	1/2	144.42	1/2	1/2		1/2		1/2
3/4	2,321.32	3/4	1,957.24	3/4	1,593.16	3/4	1,229.08	3/4	865.00	3/4	500.92	3/4	136.84	3/4	3/4		3/4		3/4
7	2,313.73	7	1,949.65	7	1,585.57	7	1,221.49	7	857.41	7	493.33	7	129.25	7	7		7		7
1/4	2,306.15	1/4	1,942.07	1/4	1,577.99	1/4	1,213.91	1/4	849.83	1/4	485.75	1/4	121.67	1/4	1/4		1/4		1/4
1/2	2,298.56	1/2	1,934.48	1/2	1,570.40	1/2	1,206.32	1/2	842.24	1/2	478.16	1/2	114.08	1/2	1/2		1/2		1/2
3/4	2,290.98	3/4	1,926.90	3/4	1,562.82	3/4	1,198.74	3/4	834.66	3/4	470.58	3/4	106.50	3/4	3/4		3/4		3/4
8	2,283.39	8	1,919.31	8	1,555.23	8	1,191.15	8	827.07	8	462.99	8	98.91	8	8		8		8
1/4	2,275.81	1/4	1,911.73	1/4	1,547.65	1/4	1,183.57	1/4	819.49	1/4	455.41	1/4	91.33	1/4	1/4		1/4		1/4
1/2	2,268.22	1/2	1,904.14	1/2	1,540.06	1/2	1,175.98	1/2	811.90	1/2	447.82	1/2	83.74	1/2	1/2		1/2		1/2
3/4	2,260.64	3/4	1,896.56	3/4	1,532.48	3/4	1,168.40	3/4	804.32	3/4	440.24	3/4	77.02	3/4	3/4		3/4		3/4
9	2,253.05	9	1,888.97	9	1,524.89	9	1,160.81	9	796.73	9	432.65	9	70.30	9	9		9		9
1/4	2,245.47	1/4	1,881.39	1/4	1,517.31	1/4	1,153.23	1/4	789.15	1/4	425.07	1/4	63.57	1/4	1/4		1/4		1/4
1/2	2,237.88	1/2	1,873.80	1/2	1,509.72	1/2	1,145.64	1/2	781.56	1/2	417.48	1/2	56.85	1/2	1/2		1/2		1/2
3/4	2,230.30	3/4	1,866.22	3/4	1,502.14	3/4	1,138.06	3/4	773.98	3/4	409.90	3/4	51.34	3/4	3/4		3/4		3/4
10	2,222.71	10	1,858.63	10	1,494.55	10	1,130.47	10	766.39	10	402.31	10	45.83	10	10		10		10
1/4	2,215.13	1/4	1,851.05	1/4	1,486.97	1/4	1,122.89	1/4	758.81	1/4	394.73	1/4	40.31	1/4	1/4		1/4		1/4
1/2	2,207.54	1/2	1,843.46	1/2	1,479.38	1/2	1,115.30	1/2	751.22	1/2	387.14	1/2	34.80	1/2	1/2		1/2		1/2
3/4	2,199.96	3/4	1,835.88	3/4	1,471.80	3/4	1,107.72	3/4	743.64	3/4	379.56	3/4	30.67	3/4	3/4		3/4		3/4
11	2,192.37	11	1,828.29	11	1,464.21	11	1,100.13	11	736.05	11	371.97	11	26.54	11	11		11		11
1/4	2,184.79	1/4	1,820.71	1/4	1,456.63	1/4	1,092.55	1/4	728.47	1/4	364.39	1/4	22.41	1/4	1/4		1/4		1/4
1/2	2,177.20	1/2	1,813.12	1/2	1,449.04	1/2	1,084.96	1/2	720.88	1/2	356.80	1/2	18.28	1/2	1/2		1/2		1/2
3/4	2,169.62	3/4	1,805.54	3/4	1,441.46	3/4	1,077.38	3/4	713.30	3/4	349.22	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/07/2008 INSP
RECOMPUTED: 06/05/2023 JS
VERIFIED: 06/05/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

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



BARGE "KIRBY 30079"

PORT 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	1,099	0	2,198	0	3,297	0	4,396	0		0		0		0		0	
1/4	23	1/4	1,122	1/4	2,221	1/4	3,320	1/4	4,419	1/4		1/4		1/4		1/4		1/4	
1/2	46	1/2	1,145	1/2	2,244	1/2	3,343	1/2	4,442	1/2		1/2		1/2		1/2		1/2	
3/4	69	3/4	1,168	3/4	2,267	3/4	3,366	3/4	4,465	3/4		3/4		3/4		3/4		3/4	
1	92	1	1,191	1	2,290	1	3,389	1	4,488	1		1		1		1		1	
1/4	114	1/4	1,213	1/4	2,313	1/4	3,412	1/4	4,511	1/4		1/4		1/4		1/4		1/4	
1/2	137	1/2	1,236	1/2	2,335	1/2	3,434	1/2	4,533	1/2		1/2		1/2		1/2		1/2	
3/4	160	3/4	1,259	3/4	2,358	3/4	3,457	3/4	4,556	3/4		3/4		3/4		3/4		3/4	
2	183	2	1,282	2	2,381	2	3,480	2	4,579	2		2		2		2		2	
1/4	206	1/4	1,305	1/4	2,404	1/4	3,503	1/4	4,602	1/4		1/4		1/4		1/4		1/4	
1/2	229	1/2	1,328	1/2	2,427	1/2	3,526	1/2	4,625	1/2		1/2		1/2		1/2		1/2	
3/4	252	3/4	1,351	3/4	2,450	3/4	3,549	3/4	4,648	3/4		3/4		3/4		3/4		3/4	
3	275	3	1,374	3	2,473	3	3,572	3	4,671	3		3		3		3		3	
1/4	298	1/4	1,397	1/4	2,496	1/4	3,595	1/4	4,694	1/4		1/4		1/4		1/4		1/4	
1/2	321	1/2	1,420	1/2	2,519	1/2	3,618	1/2	4,717	1/2		1/2		1/2		1/2		1/2	
3/4	343	3/4	1,442	3/4	2,541	3/4	3,640	3/4	4,739	3/4		3/4		3/4		3/4		3/4	
4	366	4	1,465	4	2,564	4	3,663	4	4,762	4		4		4		4		4	
1/4	389	1/4	1,488	1/4	2,587	1/4	3,686	1/4	4,785	1/4		1/4		1/4		1/4		1/4	
1/2	412	1/2	1,511	1/2	2,610	1/2	3,709	1/2	4,808	1/2		1/2		1/2		1/2		1/2	
3/4	435	3/4	1,534	3/4	2,633	3/4	3,732	3/4	4,831	3/4		3/4		3/4		3/4		3/4	
5	458	5	1,557	5	2,656	5	3,755	5	4,854	5		5		5		5		5	
1/4	481	1/4	1,580	1/4	2,679	1/4	3,778	1/4	4,877	1/4		1/4		1/4		1/4		1/4	
1/2	504	1/2	1,603	1/2	2,702	1/2	3,801	1/2	4,888	1/2		1/2		1/2		1/2		1/2	
3/4	527	3/4	1,626	3/4	2,725	3/4	3,824	3/4	4,900	3/4		3/4		3/4		3/4		3/4	
6	550	6	1,649	6	2,748	6	3,847	6	4,912	6		6		6		6		6	
1/4	572	1/4	1,671	1/4	2,770	1/4	3,869	1/4	4,934	1/4		1/4		1/4		1/4		1/4	
1/2	595	1/2	1,694	1/2	2,793	1/2	3,892	1/2	4,956	1/2		1/2		1/2		1/2		1/2	
3/4	618	3/4	1,717	3/4	2,816	3/4	3,915	3/4	4,978	3/4		3/4		3/4		3/4		3/4	
7	641	7	1,740	7	2,839	7	3,938	7	4,999	7		7		7		7		7	
1/4	664	1/4	1,763	1/4	2,862	1/4	3,961	1/4	5,021	1/4		1/4		1/4		1/4		1/4	
1/2	687	1/2	1,786	1/2	2,885	1/2	3,984	1/2	5,043	1/2		1/2		1/2		1/2		1/2	
3/4	710	3/4	1,809	3/4	2,908	3/4	4,007	3/4	5,065	3/4		3/4		3/4		3/4		3/4	
8	733	8	1,832	8	2,931	8	4,030	8	5,087	8		8		8		8		8	
1/4	756	1/4	1,855	1/4	2,954	1/4	4,053	1/4	5,109	1/4		1/4		1/4		1/4		1/4	
1/2	778	1/2	1,877	1/2	2,976	1/2	4,076	1/2	5,131	1/2		1/2		1/2		1/2		1/2	
3/4	801	3/4	1,900	3/4	2,999	3/4	4,098	3/4	5,153	3/4		3/4		3/4		3/4		3/4	
9	824	9	1,923	9	3,022	9	4,121	9	5,175	9		9		9		9		9	
1/4	847	1/4	1,946	1/4	3,045	1/4	4,144	1/4	5,197	1/4		1/4		1/4		1/4		1/4	
1/2	870	1/2	1,969	1/2	3,068	1/2	4,167	1/2	5,219	1/2		1/2		1/2		1/2		1/2	
3/4	893	3/4	1,992	3/4	3,091	3/4	4,190	3/4	5,241	3/4		3/4		3/4		3/4		3/4	
10	916	10	2,015	10	3,114	10	4,213	10	5,263	10		10		10		10		10	
1/4	939	1/4	2,038	1/4	3,137	1/4	4,236	1/4	5,285	1/4		1/4		1/4		1/4		1/4	
1/2	962	1/2	2,061	1/2	3,160	1/2	4,259	1/2	5,307	1/2		1/2		1/2		1/2		1/2	
3/4	985	3/4	2,084	3/4	3,183	3/4	4,282	3/4	5,329	3/4		3/4		3/4		3/4		3/4	
11	1,007	11	2,106	11	3,205	11	4,304	11	5,351	11		11		11		11		11	
1/4	1,030	1/4	2,129	1/4	3,228	1/4	4,327	1/4	5,373	1/4		1/4		1/4		1/4		1/4	
1/2	1,053	1/2	2,152	1/2	3,251	1/2	4,350	1/2	5,395	1/2		1/2		1/2		1/2		1/2	
3/4	1,076	3/4	2,175	3/4	3,274	3/4	4,373	3/4	5,417	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: 06/01/2023 JS
CALCULATED: 06/02/2023 CL
PRINTED: 06/02/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

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 30079"

STBD 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	1,099	0	2,198	0	3,297	0	4,396	0		0		0		0		0	
1/4	23	1/4	1,122	1/4	2,221	1/4	3,320	1/4	4,419	1/4		1/4		1/4		1/4		1/4	
1/2	46	1/2	1,145	1/2	2,244	1/2	3,343	1/2	4,442	1/2		1/2		1/2		1/2		1/2	
3/4	69	3/4	1,168	3/4	2,267	3/4	3,366	3/4	4,465	3/4		3/4		3/4		3/4		3/4	
1	92	1	1,191	1	2,290	1	3,389	1	4,488	1		1		1		1		1	
1/4	114	1/4	1,213	1/4	2,313	1/4	3,412	1/4	4,511	1/4		1/4		1/4		1/4		1/4	
1/2	137	1/2	1,236	1/2	2,335	1/2	3,434	1/2	4,533	1/2		1/2		1/2		1/2		1/2	
3/4	160	3/4	1,259	3/4	2,358	3/4	3,457	3/4	4,556	3/4		3/4		3/4		3/4		3/4	
2	183	2	1,282	2	2,381	2	3,480	2	4,579	2		2		2		2		2	
1/4	206	1/4	1,305	1/4	2,404	1/4	3,503	1/4	4,602	1/4		1/4		1/4		1/4		1/4	
1/2	229	1/2	1,328	1/2	2,427	1/2	3,526	1/2	4,625	1/2		1/2		1/2		1/2		1/2	
3/4	252	3/4	1,351	3/4	2,450	3/4	3,549	3/4	4,648	3/4		3/4		3/4		3/4		3/4	
3	275	3	1,374	3	2,473	3	3,572	3	4,671	3		3		3		3		3	
1/4	298	1/4	1,397	1/4	2,496	1/4	3,595	1/4	4,694	1/4		1/4		1/4		1/4		1/4	
1/2	321	1/2	1,420	1/2	2,519	1/2	3,618	1/2	4,717	1/2		1/2		1/2		1/2		1/2	
3/4	343	3/4	1,442	3/4	2,541	3/4	3,640	3/4	4,739	3/4		3/4		3/4		3/4		3/4	
4	366	4	1,465	4	2,564	4	3,663	4	4,762	4		4		4		4		4	
1/4	389	1/4	1,488	1/4	2,587	1/4	3,686	1/4	4,785	1/4		1/4		1/4		1/4		1/4	
1/2	412	1/2	1,511	1/2	2,610	1/2	3,709	1/2	4,808	1/2		1/2		1/2		1/2		1/2	
3/4	435	3/4	1,534	3/4	2,633	3/4	3,732	3/4	4,831	3/4		3/4		3/4		3/4		3/4	
5	458	5	1,557	5	2,656	5	3,755	5	4,854	5		5		5		5		5	
1/4	481	1/4	1,580	1/4	2,679	1/4	3,778	1/4	4,877	1/4		1/4		1/4		1/4		1/4	
1/2	504	1/2	1,603	1/2	2,702	1/2	3,801	1/2	4,888	1/2		1/2		1/2		1/2		1/2	
3/4	527	3/4	1,626	3/4	2,725	3/4	3,824	3/4	4,900	3/4		3/4		3/4		3/4		3/4	
6	550	6	1,649	6	2,748	6	3,847	6	4,912	6		6		6		6		6	
1/4	572	1/4	1,671	1/4	2,770	1/4	3,869	1/4	4,934	1/4		1/4		1/4		1/4		1/4	
1/2	595	1/2	1,694	1/2	2,793	1/2	3,892	1/2	4,956	1/2		1/2		1/2		1/2		1/2	
3/4	618	3/4	1,717	3/4	2,816	3/4	3,915	3/4	4,978	3/4		3/4		3/4		3/4		3/4	
7	641	7	1,740	7	2,839	7	3,938	7	4,999	7		7		7		7		7	
1/4	664	1/4	1,763	1/4	2,862	1/4	3,961	1/4	5,021	1/4		1/4		1/4		1/4		1/4	
1/2	687	1/2	1,786	1/2	2,885	1/2	3,984	1/2	5,043	1/2		1/2		1/2		1/2		1/2	
3/4	710	3/4	1,809	3/4	2,908	3/4	4,007	3/4	5,065	3/4		3/4		3/4		3/4		3/4	
8	733	8	1,832	8	2,931	8	4,030	8	5,087	8		8		8		8		8	
1/4	756	1/4	1,855	1/4	2,954	1/4	4,053	1/4	5,109	1/4		1/4		1/4		1/4		1/4	
1/2	778	1/2	1,877	1/2	2,976	1/2	4,076	1/2	5,131	1/2		1/2		1/2		1/2		1/2	
3/4	801	3/4	1,900	3/4	2,999	3/4	4,098	3/4	5,153	3/4		3/4		3/4		3/4		3/4	
9	824	9	1,923	9	3,022	9	4,121	9	5,175	9		9		9		9		9	
1/4	847	1/4	1,946	1/4	3,045	1/4	4,144	1/4	5,197	1/4		1/4		1/4		1/4		1/4	
1/2	870	1/2	1,969	1/2	3,068	1/2	4,167	1/2	5,219	1/2		1/2		1/2		1/2		1/2	
3/4	893	3/4	1,992	3/4	3,091	3/4	4,190	3/4	5,241	3/4		3/4		3/4		3/4		3/4	
10	916	10	2,015	10	3,114	10	4,213	10	5,263	10		10		10		10		10	
1/4	939	1/4	2,038	1/4	3,137	1/4	4,236	1/4	5,285	1/4		1/4		1/4		1/4		1/4	
1/2	962	1/2	2,061	1/2	3,160	1/2	4,259	1/2	5,307	1/2		1/2		1/2		1/2		1/2	
3/4	985	3/4	2,084	3/4	3,183	3/4	4,282	3/4	5,329	3/4		3/4		3/4		3/4		3/4	
11	1,007	11	2,106	11	3,205	11	4,304	11	5,351	11		11		11		11		11	
1/4	1,030	1/4	2,129	1/4	3,228	1/4	4,327	1/4	5,373	1/4		1/4		1/4		1/4		1/4	
1/2	1,053	1/2	2,152	1/2	3,251	1/2	4,350	1/2	5,395	1/2		1/2		1/2		1/2		1/2	
3/4	1,076	3/4	2,175	3/4	3,274	3/4	4,373	3/4	5,417	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.
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P.O. Box 2092

Pearland, Texas 77588

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BARGE "KIRBY 30079"

FUEL 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	294	0	588	0	882	0	1,176	0		0		0		0		0	
1/4	6	1/4	300	1/4	594	1/4	888	1/4	1,182	1/4		1/4		1/4		1/4		1/4	
1/2	12	1/2	306	1/2	600	1/2	894	1/2	1,188	1/2		1/2		1/2		1/2		1/2	
3/4	18	3/4	312	3/4	606	3/4	900	3/4	1,194	3/4		3/4		3/4		3/4		3/4	
1	24	1	318	1	612	1	906	1	1,200	1		1		1		1		1	
1/4	31	1/4	325	1/4	618	1/4	912	1/4	1,206	1/4		1/4		1/4		1/4		1/4	
1/2	37	1/2	331	1/2	625	1/2	919	1/2	1,212	1/2		1/2		1/2		1/2		1/2	
3/4	43	3/4	337	3/4	631	3/4	925	3/4	1,219	3/4		3/4		3/4		3/4		3/4	
2	49	2	343	2	637	2	931	2	1,225	2		2		2		2		2	
1/4	55	1/4	349	1/4	643	1/4	937	1/4	1,231	1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	355	1/2	649	1/2	943	1/2	1,237	1/2		1/2		1/2		1/2		1/2	
3/4	67	3/4	361	3/4	655	3/4	949	3/4	1,243	3/4		3/4		3/4		3/4		3/4	
3	73	3	367	3	661	3	955	3	1,249	3		3		3		3		3	
1/4	80	1/4	374	1/4	667	1/4	961	1/4	1,255	1/4		1/4		1/4		1/4		1/4	
1/2	86	1/2	380	1/2	674	1/2	967	1/2	1,261	1/2		1/2		1/2		1/2		1/2	
3/4	92	3/4	386	3/4	680	3/4	974	3/4	1,268	3/4		3/4		3/4		3/4		3/4	
4	98	4	392	4	686	4	980	4	1,274	4		4		4		4		4	
1/4	104	1/4	398	1/4	692	1/4	986	1/4	1,280	1/4		1/4		1/4		1/4		1/4	
1/2	110	1/2	404	1/2	698	1/2	992	1/2	1,286	1/2		1/2		1/2		1/2		1/2	
3/4	116	3/4	410	3/4	704	3/4	998	3/4	1,292	3/4		3/4		3/4		3/4		3/4	
5	122	5	416	5	710	5	1,004	5	1,298	5		5		5		5		5	
1/4	129	1/4	423	1/4	716	1/4	1,010	1/4	1,304	1/4		1/4		1/4		1/4		1/4	
1/2	135	1/2	429	1/2	723	1/2	1,016	1/2	1,310	1/2		1/2		1/2		1/2		1/2	
3/4	141	3/4	435	3/4	729	3/4	1,023	3/4	=====	3/4		3/4		3/4		3/4		3/4	
6	147	6	441	6	735	6	1,029	6	=====	6		6		6		6		6	
1/4	153	1/4	447	1/4	741	1/4	1,035	1/4	=====	1/4		1/4		1/4		1/4		1/4	
1/2	159	1/2	453	1/2	747	1/2	1,041	1/2	=====	1/2		1/2		1/2		1/2		1/2	
3/4	165	3/4	459	3/4	753	3/4	1,047	3/4	=====	3/4		3/4		3/4		3/4		3/4	
7	171	7	465	7	759	7	1,053	7	=====	7		7		7		7		7	
1/4	178	1/4	472	1/4	765	1/4	1,059	1/4	=====	1/4		1/4		1/4		1/4		1/4	
1/2	184	1/2	478	1/2	772	1/2	1,065	1/2	=====	1/2		1/2		1/2		1/2		1/2	
3/4	190	3/4	484	3/4	778	3/4	1,072	3/4	=====	3/4		3/4		3/4		3/4		3/4	
8	196	8	490	8	784	8	1,078	8	=====	8		8		8		8		8	
1/4	202	1/4	496	1/4	790	1/4	1,084	1/4	=====	1/4		1/4		1/4		1/4		1/4	
1/2	208	1/2	502	1/2	796	1/2	1,090	1/2	=====	1/2		1/2		1/2		1/2		1/2	
3/4	214	3/4	508	3/4	802	3/4	1,096	3/4	=====	3/4		3/4		3/4		3/4		3/4	
9	220	9	514	9	808	9	1,102	9	=====	9		9		9		9		9	
1/4	227	1/4	520	1/4	814	1/4	1,108	1/4	=====	1/4		1/4		1/4		1/4		1/4	
1/2	233	1/2	527	1/2	821	1/2	1,114	1/2	=====	1/2		1/2		1/2		1/2		1/2	
3/4	239	3/4	533	3/4	827	3/4	1,121	3/4	=====	3/4		3/4		3/4		3/4		3/4	
10	245	10	539	10	833	10	1,127	10	=====	10		10		10		10		10	
1/4	251	1/4	545	1/4	839	1/4	1,133	1/4	=====	1/4		1/4		1/4		1/4		1/4	
1/2	257	1/2	551	1/2	845	1/2	1,139	1/2	=====	1/2		1/2		1/2		1/2		1/2	
3/4	263	3/4	557	3/4	851	3/4	1,145	3/4	=====	3/4		3/4		3/4		3/4		3/4	
11	269	11	563	11	857	11	1,151	11	=====	11		11		11		11		11	
1/4	276	1/4	569	1/4	863	1/4	1,157	1/4	=====	1/4		1/4		1/4		1/4		1/4	
1/2	282	1/2	576	1/2	870	1/2	1,163	1/2	=====	1/2		1/2		1/2		1/2		1/2	
3/4	288	3/4	582	3/4	876	3/4	1,170	3/4	=====	3/4		3/4		3/4		3/4		3/4	

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