



# BARGE "KIRBY 29021"

ULLAGE TRIM TABLE  
FORMERLY "SCF 1201"

	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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 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	00-1/8	- 00-1/8
2 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	00-1/8	- 00-1/8
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 = 6'-00"  
 DIFF. = 4'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 237'-03"

June 4, 2012

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

<http://www.pmacorp.net>



# BARGE "KIRBY 29021"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1201"

GAUGE HEIGHT 15'-06"

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	4,769.03	0	4,412.37	0	4,054.87	0	3,697.17	0	3,339.46	0	2,981.76	0	2,624.00	0	2,266.19		
1/4		1/4		1/4	4,761.60	1/4	4,404.94	1/4	4,047.41	1/4	3,689.71	1/4	3,332.01	1/4	2,974.31	1/4	2,616.55	1/4	2,258.74		
1/2		1/2		1/2	4,754.17	1/2	4,397.51	1/2	4,039.96	1/2	3,682.26	1/2	3,324.56	1/2	2,966.86	1/2	2,609.09	1/2	2,251.29		
3/4		3/4		3/4	4,746.74	3/4	4,390.08	3/4	4,032.51	3/4	3,674.81	3/4	3,317.11	3/4	2,959.41	3/4	2,601.64	3/4	2,243.83		
1		1		1	4,739.31	1	4,382.65	1	4,025.06	1	3,667.36	1	3,309.66	1	2,951.96	1	2,594.18	1	2,236.38		
1/4		1/4		1/4	4,731.88	1/4	4,375.22	1/4	4,017.61	1/4	3,659.90	1/4	3,302.20	1/4	2,944.50	1/4	2,586.73	1/4	2,228.92		
1/2		1/2		1/2	4,724.45	1/2	4,367.79	1/2	4,010.15	1/2	3,652.45	1/2	3,294.75	1/2	2,937.05	1/2	2,579.27	1/2	2,221.47		
3/4		3/4		3/4	4,717.02	3/4	4,360.36	3/4	4,002.70	3/4	3,645.00	3/4	3,287.30	3/4	2,929.60	3/4	2,571.82	3/4	2,214.01		
2		2		2	4,709.59	2	4,352.93	2	3,995.25	2	3,637.55	2	3,279.85	2	2,922.15	2	2,564.37	2	2,206.56		
1/4		1/4		1/4	4,702.16	1/4	4,345.48	1/4	3,987.80	1/4	3,630.10	1/4	3,272.40	1/4	2,914.69	1/4	2,556.91	1/4	2,199.11		
1/2		1/2		1/2	4,694.73	1/2	4,338.03	1/2	3,980.34	1/2	3,622.64	1/2	3,264.94	1/2	2,907.24	1/2	2,549.46	1/2	2,191.65		
3/4		3/4		3/4	4,687.30	3/4	4,330.59	3/4	3,972.89	3/4	3,615.19	3/4	3,257.49	3/4	2,899.79	3/4	2,542.00	3/4	2,184.20		
3		3		3	4,679.87	3	4,323.14	3	3,965.44	3	3,607.74	3	3,250.04	3	2,892.34	3	2,534.55	3	2,176.74		
1/4		1/4		1/4	5,018.09	1/4	4,672.44	1/4	4,315.69	1/4	3,957.99	1/4	3,600.29	1/4	3,242.59	1/4	2,884.89	1/4	2,527.09	1/4	2,169.29
1/2		1/2		1/2	5,012.83	1/2	4,665.01	1/2	4,308.24	1/2	3,950.54	1/2	3,592.84	1/2	3,235.13	1/2	2,877.43	1/2	2,519.64	1/2	2,161.83
3/4		3/4		3/4	5,007.57	3/4	4,657.57	3/4	4,300.79	3/4	3,943.08	3/4	3,585.38	3/4	3,227.68	3/4	2,869.98	3/4	2,512.19	3/4	2,154.38
4		4		4	5,002.31	4	4,650.14	4	4,293.33	4	3,935.63	4	3,577.93	4	3,220.23	4	2,862.53	4	2,504.73	4	2,146.93
1/4		1/4		1/4	4,995.82	1/4	4,642.71	1/4	4,285.88	1/4	3,928.18	1/4	3,570.48	1/4	3,212.78	1/4	2,855.08	1/4	2,497.28	1/4	2,139.47
1/2		1/2		1/2	4,989.32	1/2	4,635.28	1/2	4,278.43	1/2	3,920.73	1/2	3,563.03	1/2	3,205.33	1/2	2,847.63	1/2	2,489.82	1/2	2,132.02
3/4		3/4		3/4	4,982.82	3/4	4,627.85	3/4	4,270.98	3/4	3,913.28	3/4	3,555.58	3/4	3,197.87	3/4	2,840.17	3/4	2,482.37	3/4	2,124.56
5		5		5	4,976.32	5	4,620.42	5	4,263.52	5	3,905.82	5	3,548.12	5	3,190.42	5	2,832.72	5	2,474.91	5	2,117.11
1/4		1/4		1/4	4,969.07	1/4	4,612.99	1/4	4,256.07	1/4	3,898.37	1/4	3,540.67	1/4	3,182.97	1/4	2,825.27	1/4	2,467.46	1/4	2,109.65
1/2		1/2		1/2	4,961.82	1/2	4,605.56	1/2	4,248.62	1/2	3,890.92	1/2	3,533.22	1/2	3,175.52	1/2	2,817.81	1/2	2,460.01	1/2	2,102.20
3/4		3/4		3/4	4,954.57	3/4	4,598.13	3/4	4,241.17	3/4	3,883.47	3/4	3,525.77	3/4	3,168.07	3/4	2,810.36	3/4	2,452.55	3/4	2,094.74
6		6		6	4,947.32	6	4,590.70	6	4,233.72	6	3,876.02	6	3,518.31	6	3,160.61	6	2,802.90	6	2,445.10	6	2,087.29
1/4		1/4		1/4	4,939.90	1/4	4,583.27	1/4	4,226.26	1/4	3,868.56	1/4	3,510.86	1/4	3,153.16	1/4	2,795.45	1/4	2,437.64	1/4	2,079.84
1/2		1/2		1/2	4,932.48	1/2	4,575.84	1/2	4,218.81	1/2	3,861.11	1/2	3,503.41	1/2	3,145.71	1/2	2,787.99	1/2	2,430.19	1/2	2,072.38
3/4		3/4		3/4	4,925.07	3/4	4,568.41	3/4	4,211.36	3/4	3,853.66	3/4	3,495.96	3/4	3,138.26	3/4	2,780.54	3/4	2,422.73	3/4	2,064.93
7		7		7	4,917.65	7	4,560.98	7	4,203.91	7	3,846.21	7	3,488.51	7	3,130.81	7	2,773.09	7	2,415.28	7	2,057.47
1/4		1/4		1/4	4,910.22	1/4	4,553.55	1/4	4,196.46	1/4	3,838.75	1/4	3,481.05	1/4	3,123.35	1/4	2,765.63	1/4	2,407.83	1/4	2,050.02
1/2		1/2		1/2	4,902.79	1/2	4,546.12	1/2	4,189.00	1/2	3,831.30	1/2	3,473.60	1/2	3,115.90	1/2	2,758.18	1/2	2,400.37	1/2	2,042.56
3/4		3/4		3/4	4,895.36	3/4	4,538.69	3/4	4,181.55	3/4	3,823.85	3/4	3,466.15	3/4	3,108.45	3/4	2,750.72	3/4	2,392.92	3/4	2,035.11
8		8		8	4,887.93	8	4,531.26	8	4,174.10	8	3,816.40	8	3,458.70	8	3,101.00	8	2,743.27	8	2,385.46	8	2,027.66
1/4		1/4		1/4	4,880.50	1/4	4,523.83	1/4	4,166.65	1/4	3,808.95	1/4	3,451.25	1/4	3,093.54	1/4	2,735.81	1/4	2,378.01	1/4	2,020.20
1/2		1/2		1/2	4,873.07	1/2	4,516.40	1/2	4,159.20	1/2	3,801.49	1/2	3,443.79	1/2	3,086.09	1/2	2,728.36	1/2	2,370.55	1/2	2,012.75
3/4		3/4		3/4	4,865.64	3/4	4,508.97	3/4	4,151.74	3/4	3,794.04	3/4	3,436.34	3/4	3,078.64	3/4	2,720.91	3/4	2,363.10	3/4	2,005.29
9		9		9	4,858.20	9	4,501.54	9	4,144.29	9	3,786.59	9	3,428.89	9	3,071.19	9	2,713.45	9	2,355.65	9	1,997.84
1/4		1/4		1/4	4,850.77	1/4	4,494.11	1/4	4,136.84	1/4	3,779.14	1/4	3,421.44	1/4	3,063.74	1/4	2,706.00	1/4	2,348.19	1/4	1,990.38
1/2		1/2		1/2	4,843.34	1/2	4,486.68	1/2	4,129.39	1/2	3,771.69	1/2	3,413.99	1/2	3,056.28	1/2	2,698.54	1/2	2,340.74	1/2	1,982.93
3/4		3/4		3/4	4,835.91	3/4	4,479.25	3/4	4,121.93	3/4	3,764.23	3/4	3,406.53	3/4	3,048.83	3/4	2,691.09	3/4	2,333.28	3/4	1,975.48
10		10		10	4,828.47	10	4,471.81	10	4,114.48	10	3,756.78	10	3,399.08	10	3,041.38	10	2,683.63	10	2,325.83	10	1,968.02
1/4		1/4		1/4	4,821.04	1/4	4,464.38	1/4	4,107.03	1/4	3,749.33	1/4	3,391.63	1/4	3,033.93	1/4	2,676.18	1/4	2,318.37	1/4	1,960.57
1/2		1/2		1/2	4,813.61	1/2	4,456.95	1/2	4,099.58	1/2	3,741.88	1/2	3,384.18	1/2	3,026.48	1/2	2,668.73	1/2	2,310.92	1/2	1,953.11
3/4		3/4		3/4	4,806.18	3/4	4,449.52	3/4	4,092.13	3/4	3,734.43	3/4	3,376.72	3/4	3,019.02	3/4	2,661.27	3/4	2,303.47	3/4	1,945.66
11		11		11	4,798.75	11	4,442.09	11	4,084.67	11	3,726.97	11	3,369.27	11	3,011.57	11	2,653.82	11	2,296.01	11	1,938.20
1/4		1/4		1/4	4,791.32	1/4	4,434.66	1/4	4,077.22	1/4	3,719.52	1/4	3,361.82	1/4	3,004.12	1/4	2,646.36	1/4	2,288.56	1/4	1,930.75
1/2		1/2		1/2	4,783.89	1/2	4,427.23	1/2	4,069.77	1/2	3,712.07	1/2	3,354.37	1/2	2,996.67	1/2	2,638.91	1/2	2,281.10	1/2	1,923.30
3/4		3/4		3/4	4,776.46	3/4	4,419.80	3/4	4,062.32	3/4	3,704.62	3/4	3,346.92	3/4	2,989.22	3/4	2,631.45	3/4	2,273.65	3/4	1,915.84

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF "MMC" CLOSED GAUGING VALVE.

GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 29021"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1201"

GAUGE HEIGHT 15'-06"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,908.39	0	1,550.58	0	1,192.77	0	835.43	0	477.74	0	142.97	0		0		0		0	
1/4	1,900.93	1/4	1,543.13	1/4	1,185.32	1/4	827.99	1/4	470.32	1/4	136.54	1/4		1/4		1/4		1/4	
1/2	1,893.48	1/2	1,535.67	1/2	1,177.87	1/2	820.55	1/2	462.90	1/2	130.11	1/2		1/2		1/2		1/2	
3/4	1,886.02	3/4	1,528.22	3/4	1,170.41	3/4	813.12	3/4	455.48	3/4	123.67	3/4		3/4		3/4		3/4	
1	1,878.57	1	1,520.76	1	1,162.96	1	805.68	1	448.05	1	117.24	1		1		1		1	
1/4	1,871.12	1/4	1,513.31	1/4	1,155.50	1/4	798.23	1/4	440.70	1/4	110.89	1/4		1/4		1/4		1/4	
1/2	1,863.66	1/2	1,505.86	1/2	1,148.05	1/2	790.79	1/2	433.35	1/2	104.54	1/2		1/2		1/2		1/2	
3/4	1,856.21	3/4	1,498.40	3/4	1,140.59	3/4	783.34	3/4	426.00	3/4	98.19	3/4		3/4		3/4		3/4	
2	1,848.75	2	1,490.95	2	1,133.14	2	775.90	2	418.65	2	91.84	2		2		2		2	
1/4	1,841.30	1/4	1,483.49	1/4	1,125.69	1/4	768.45	1/4	411.39	1/4	85.58	1/4		1/4		1/4		1/4	
1/2	1,833.84	1/2	1,476.04	1/2	1,118.23	1/2	760.99	1/2	404.12	1/2	79.32	1/2		1/2		1/2		1/2	
3/4	1,826.39	3/4	1,468.58	3/4	1,110.78	3/4	753.54	3/4	396.85	3/4	73.06	3/4		3/4		3/4		3/4	
3	1,818.94	3	1,461.13	3	1,103.32	3	746.09	3	389.59	3	66.80	3		3		3		3	
1/4	1,811.48	1/4	1,453.68	1/4	1,095.87	1/4	738.63	1/4	382.40	1/4	60.65	1/4		1/4		1/4		1/4	
1/2	1,804.03	1/2	1,446.22	1/2	1,088.42	1/2	731.18	1/2	375.22	1/2	54.49	1/2		1/2		1/2		1/2	
3/4	1,796.57	3/4	1,438.77	3/4	1,080.97	3/4	723.73	3/4	368.04	3/4	48.34	3/4		3/4		3/4		3/4	
4	1,789.12	4	1,431.31	4	1,073.52	4	716.27	4	360.85	4	42.18	4		4		4		4	
1/4	1,781.66	1/4	1,423.86	1/4	1,066.07	1/4	708.82	1/4	353.75	1/4	36.79	1/4		1/4		1/4		1/4	
1/2	1,774.21	1/2	1,416.40	1/2	1,058.63	1/2	701.36	1/2	346.65	1/2	31.40	1/2		1/2		1/2		1/2	
3/4	1,766.76	3/4	1,408.95	3/4	1,051.18	3/4	693.91	3/4	339.55	3/4	26.01	3/4		3/4		3/4		3/4	
5	1,759.30	5	1,401.50	5	1,043.74	5	686.46	5	332.45	5	20.62	5		5		5		5	
1/4	1,751.85	1/4	1,394.04	1/4	1,036.29	1/4	679.00	1/4	325.43	1/4	16.93	1/4		1/4		1/4		1/4	
1/2	1,744.39	1/2	1,386.59	1/2	1,028.85	1/2	671.55	1/2	318.42	1/2	13.24	1/2		1/2		1/2		1/2	
3/4	1,736.94	3/4	1,379.13	3/4	1,021.41	3/4	664.09	3/4	311.40	3/4	9.55	3/4		3/4		3/4		3/4	
6	1,729.48	6	1,371.68	6	1,013.97	6	656.64	6	304.38	6	5.87	6		6		6		6	
1/4	1,722.03	1/4	1,364.22	1/4	1,006.53	1/4	649.19	1/4	297.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,714.58	1/2	1,356.77	1/2	999.09	1/2	641.73	1/2	290.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,707.12	3/4	1,349.31	3/4	991.65	3/4	634.28	3/4	283.58	3/4		3/4		3/4		3/4		3/4	
7	1,699.67	7	1,341.86	7	984.21	7	626.82	7	276.65	7		7		7		7		7	
1/4	1,692.21	1/4	1,334.41	1/4	976.77	1/4	619.37	1/4	269.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,684.76	1/2	1,326.95	1/2	969.33	1/2	611.92	1/2	262.95	1/2		1/2		1/2		1/2		1/2	
3/4	1,677.30	3/4	1,319.50	3/4	961.89	3/4	604.46	3/4	256.10	3/4		3/4		3/4		3/4		3/4	
8	1,669.85	8	1,312.04	8	954.45	8	597.01	8	249.25	8		8		8		8		8	
1/4	1,662.40	1/4	1,304.59	1/4	947.01	1/4	589.55	1/4	242.48	1/4		1/4		1/4		1/4		1/4	
1/2	1,654.94	1/2	1,297.13	1/2	939.58	1/2	582.10	1/2	235.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,647.49	3/4	1,289.68	3/4	932.14	3/4	574.65	3/4	228.95	3/4		3/4		3/4		3/4		3/4	
9	1,640.03	9	1,282.23	9	924.70	9	567.19	9	222.18	9		9		9		9		9	
1/4	1,632.58	1/4	1,274.77	1/4	917.26	1/4	559.74	1/4	215.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,625.12	1/2	1,267.32	1/2	909.82	1/2	552.28	1/2	208.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,617.67	3/4	1,259.86	3/4	902.38	3/4	544.83	3/4	202.13	3/4		3/4		3/4		3/4		3/4	
10	1,610.22	10	1,252.41	10	894.94	10	537.38	10	195.44	10		10		10		10		10	
1/4	1,602.76	1/4	1,244.95	1/4	887.50	1/4	529.92	1/4	188.84	1/4		1/4		1/4		1/4		1/4	
1/2	1,595.31	1/2	1,237.50	1/2	880.06	1/2	522.47	1/2	182.24	1/2		1/2		1/2		1/2		1/2	
3/4	1,587.85	3/4	1,230.05	3/4	872.63	3/4	515.01	3/4	175.64	3/4		3/4		3/4		3/4		3/4	
11	1,580.40	11	1,222.59	11	865.19	11	507.56	11	169.04	11		11		11		11		11	
1/4	1,572.94	1/4	1,215.14	1/4	857.75	1/4	500.11	1/4	162.53	1/4		1/4		1/4		1/4		1/4	
1/2	1,565.49	1/2	1,207.68	1/2	850.31	1/2	492.65	1/2	156.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,558.04	3/4	1,200.23	3/4	842.87	3/4	485.20	3/4	149.49	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/04/2012 CL - SW  
CALCULATED: 06/04/2012 CL  
NAME CHANGE: 07/07/2017

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2012

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



# BARGE "KIRBY 29021"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1201"

GAUGE HEIGHT 15'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,762.75	0	4,404.86	0	4,046.96	0	3,689.07	0	3,331.18	0	2,973.29	0	2,615.39	0	2,257.50
1/4		1/4		1/4	4,755.29	1/4	4,397.40	1/4	4,039.51	1/4	3,681.62	1/4	3,323.72	1/4	2,965.83	1/4	2,607.94	1/4	2,250.04
1/2		1/2		1/2	4,747.84	1/2	4,389.94	1/2	4,032.05	1/2	3,674.16	1/2	3,316.27	1/2	2,958.37	1/2	2,600.48	1/2	2,242.59
3/4		3/4		3/4	4,740.38	3/4	4,382.49	3/4	4,024.60	3/4	3,666.70	3/4	3,308.81	3/4	2,950.92	3/4	2,593.02	3/4	2,235.13
1		1		1	4,732.93	1	4,375.03	1	4,017.14	1	3,659.25	1	3,301.35	1	2,943.46	1	2,585.57	1	2,227.68
1/4		1/4		1/4	4,725.47	1/4	4,367.58	1/4	4,009.68	1/4	3,651.79	1/4	3,293.90	1/4	2,936.01	1/4	2,578.11	1/4	2,220.22
1/2		1/2		1/2	4,718.01	1/2	4,360.12	1/2	4,002.23	1/2	3,644.33	1/2	3,286.44	1/2	2,928.55	1/2	2,570.66	1/2	2,212.76
3/4		3/4		3/4	4,710.56	3/4	4,352.66	3/4	3,994.77	3/4	3,636.88	3/4	3,278.99	3/4	2,921.09	3/4	2,563.20	3/4	2,205.31
2		2		2	4,703.10	2	4,345.21	2	3,987.32	2	3,629.42	2	3,271.53	2	2,913.64	2	2,555.74	2	2,197.85
1/4		1/4		1/4	4,695.64	1/4	4,337.75	1/4	3,979.86	1/4	3,621.97	1/4	3,264.07	1/4	2,906.18	1/4	2,548.29	1/4	2,190.40
1/2		1/2		1/2	4,688.19	1/2	4,330.30	1/2	3,972.40	1/2	3,614.51	1/2	3,256.62	1/2	2,898.72	1/2	2,540.83	1/2	2,182.94
3/4		3/4		3/4	4,680.73	3/4	4,322.84	3/4	3,964.95	3/4	3,607.05	3/4	3,249.16	3/4	2,891.27	3/4	2,533.38	3/4	2,175.48
3		3	5,020.09	3	4,673.28	3	4,315.38	3	3,957.49	3	3,599.60	3	3,241.71	3	2,883.81	3	2,525.92	3	2,168.03
1/4		1/4	5,014.81	1/4	4,665.82	1/4	4,307.93	1/4	3,950.03	1/4	3,592.14	1/4	3,234.25	1/4	2,876.36	1/4	2,518.46	1/4	2,160.57
1/2		1/2	5,009.53	1/2	4,658.36	1/2	4,300.47	1/2	3,942.58	1/2	3,584.69	1/2	3,226.79	1/2	2,868.90	1/2	2,511.01	1/2	2,153.11
3/4		3/4	5,004.25	3/4	4,650.91	3/4	4,293.02	3/4	3,935.12	3/4	3,577.23	3/4	3,219.34	3/4	2,861.44	3/4	2,503.55	3/4	2,145.66
4		4	4,997.73	4	4,643.45	4	4,285.56	4	3,927.67	4	3,569.77	4	3,211.88	4	2,853.99	4	2,496.10	4	2,138.20
1/4		1/4	4,991.20	1/4	4,636.00	1/4	4,278.10	1/4	3,920.21	1/4	3,562.32	1/4	3,204.42	1/4	2,846.53	1/4	2,488.64	1/4	2,130.75
1/2		1/2	4,984.68	1/2	4,628.54	1/2	4,270.65	1/2	3,912.75	1/2	3,554.86	1/2	3,196.97	1/2	2,839.08	1/2	2,481.18	1/2	2,123.29
3/4		3/4	4,978.16	3/4	4,621.08	3/4	4,263.19	3/4	3,905.30	3/4	3,547.41	3/4	3,189.51	3/4	2,831.62	3/4	2,473.73	3/4	2,115.83
5		5	4,970.88	5	4,613.63	5	4,255.73	5	3,897.84	5	3,539.95	5	3,182.06	5	2,824.16	5	2,466.27	5	2,108.38
1/4		1/4	4,963.61	1/4	4,606.17	1/4	4,248.28	1/4	3,890.39	1/4	3,532.49	1/4	3,174.60	1/4	2,816.71	1/4	2,458.81	1/4	2,100.92
1/2		1/2	4,956.34	1/2	4,598.72	1/2	4,240.82	1/2	3,882.93	1/2	3,525.04	1/2	3,167.14	1/2	2,809.25	1/2	2,451.36	1/2	2,093.47
3/4		3/4	4,949.06	3/4	4,591.26	3/4	4,233.37	3/4	3,875.47	3/4	3,517.58	3/4	3,159.69	3/4	2,801.80	3/4	2,443.90	3/4	2,086.01
6		6	4,941.62	6	4,583.80	6	4,225.91	6	3,868.02	6	3,510.12	6	3,152.23	6	2,794.34	6	2,436.45	6	2,078.55
1/4		1/4	4,934.18	1/4	4,576.35	1/4	4,218.45	1/4	3,860.56	1/4	3,502.67	1/4	3,144.78	1/4	2,786.88	1/4	2,428.99	1/4	2,071.10
1/2		1/2	4,926.74	1/2	4,568.89	1/2	4,211.00	1/2	3,853.11	1/2	3,495.21	1/2	3,137.32	1/2	2,779.43	1/2	2,421.53	1/2	2,063.64
3/4		3/4	4,919.31	3/4	4,561.43	3/4	4,203.54	3/4	3,845.65	3/4	3,487.76	3/4	3,129.86	3/4	2,771.97	3/4	2,414.08	3/4	2,056.19
7		7	4,911.85	7	4,553.98	7	4,196.09	7	3,838.19	7	3,480.30	7	3,122.41	7	2,764.51	7	2,406.62	7	2,048.73
1/4		1/4	4,904.40	1/4	4,546.52	1/4	4,188.63	1/4	3,830.74	1/4	3,472.84	1/4	3,114.95	1/4	2,757.06	1/4	2,399.17	1/4	2,041.27
1/2		1/2	4,896.95	1/2	4,539.07	1/2	4,181.17	1/2	3,823.28	1/2	3,465.39	1/2	3,107.50	1/2	2,749.60	1/2	2,391.71	1/2	2,033.82
3/4		3/4	4,889.50	3/4	4,531.61	3/4	4,173.72	3/4	3,815.82	3/4	3,457.93	3/4	3,100.04	3/4	2,742.15	3/4	2,384.25	3/4	2,026.36
8		8	4,882.04	8	4,524.15	8	4,166.26	8	3,808.37	8	3,450.48	8	3,092.58	8	2,734.69	8	2,376.80	8	2,018.90
1/4		1/4	4,874.59	1/4	4,516.70	1/4	4,158.81	1/4	3,800.91	1/4	3,443.02	1/4	3,085.13	1/4	2,727.23	1/4	2,369.34	1/4	2,011.45
1/2		1/2	4,867.13	1/2	4,509.24	1/2	4,151.35	1/2	3,793.46	1/2	3,435.56	1/2	3,077.67	1/2	2,719.78	1/2	2,361.89	1/2	2,003.99
3/4		3/4	4,859.68	3/4	4,501.79	3/4	4,143.89	3/4	3,786.00	3/4	3,428.11	3/4	3,070.21	3/4	2,712.32	3/4	2,354.43	3/4	1,996.54
9		9	4,852.22	9	4,494.33	9	4,136.44	9	3,778.54	9	3,420.65	9	3,062.76	9	2,704.87	9	2,346.97	9	1,989.08
1/4		1/4	4,844.77	1/4	4,486.87	1/4	4,128.98	1/4	3,771.09	1/4	3,413.20	1/4	3,055.30	1/4	2,697.41	1/4	2,339.52	1/4	1,981.62
1/2		1/2	4,837.31	1/2	4,479.42	1/2	4,121.53	1/2	3,763.63	1/2	3,405.74	1/2	3,047.85	1/2	2,689.95	1/2	2,332.06	1/2	1,974.17
3/4		3/4	4,829.85	3/4	4,471.96	3/4	4,114.07	3/4	3,756.18	3/4	3,398.28	3/4	3,040.39	3/4	2,682.50	3/4	2,324.61	3/4	1,966.71
10		10	4,822.40	10	4,464.51	10	4,106.61	10	3,748.72	10	3,390.83	10	3,032.93	10	2,675.04	10	2,317.15	10	1,959.26
1/4		1/4	4,814.94	1/4	4,457.05	1/4	4,099.16	1/4	3,741.26	1/4	3,383.37	1/4	3,025.48	1/4	2,667.59	1/4	2,309.69	1/4	1,951.80
1/2		1/2	4,807.49	1/2	4,449.59	1/2	4,091.70	1/2	3,733.81	1/2	3,375.92	1/2	3,018.02	1/2	2,660.13	1/2	2,302.24	1/2	1,944.34
3/4		3/4	4,800.03	3/4	4,442.14	3/4	4,084.24	3/4	3,726.35	3/4	3,368.46	3/4	3,010.57	3/4	2,652.67	3/4	2,294.78	3/4	1,936.89
11		11	4,792.57	11	4,434.68	11	4,076.79	11	3,718.90	11	3,361.00	11	3,003.11	11	2,645.22	11	2,287.32	11	1,929.43
1/4		1/4	4,785.12	1/4	4,427.23	1/4	4,069.33	1/4	3,711.44	1/4	3,353.55	1/4	2,995.65	1/4	2,637.76	1/4	2,279.87	1/4	1,921.98
1/2		1/2	4,777.66	1/2	4,419.77	1/2	4,061.88	1/2	3,703.98	1/2	3,346.09	1/2	2,988.20	1/2	2,630.31	1/2	2,272.41	1/2	1,914.52
3/4		3/4	4,770.21	3/4	4,412.31	3/4	4,054.42	3/4	3,696.53	3/4	3,338.63	3/4	2,980.74	3/4	2,622.85	3/4	2,264.96	3/4	1,907.06

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF "MMC" CLOSED GAUGING VALVE.

GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 29021"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1201"

GAUGE HEIGHT 15'-05 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	1,899.61	0	1,541.71	0	1,183.82	0	827.95	0	470.45	0	136.58	0		0		0		0	
1/4	1,892.15	1/4	1,534.26	1/4	1,176.37	1/4	820.55	1/4	463.03	1/4	130.15	1/4		1/4		1/4		1/4	
1/2	1,884.70	1/2	1,526.80	1/2	1,168.91	1/2	813.16	1/2	455.60	1/2	123.71	1/2		1/2		1/2		1/2	
3/4	1,877.24	3/4	1,519.35	3/4	1,161.45	3/4	805.76	3/4	448.18	3/4	117.28	3/4		3/4		3/4		3/4	
1	1,869.78	1	1,511.89	1	1,154.01	1	798.34	1	440.83	1	110.92	1		1		1		1	
1/4	1,862.33	1/4	1,504.43	1/4	1,146.56	1/4	790.92	1/4	433.47	1/4	104.57	1/4		1/4		1/4		1/4	
1/2	1,854.87	1/2	1,496.98	1/2	1,139.12	1/2	783.50	1/2	426.12	1/2	98.22	1/2		1/2		1/2		1/2	
3/4	1,847.41	3/4	1,489.52	3/4	1,131.67	3/4	776.08	3/4	418.77	3/4	91.87	3/4		3/4		3/4		3/4	
2	1,839.96	2	1,482.07	2	1,124.25	2	768.63	2	411.50	2	85.61	2		2		2		2	
1/4	1,832.50	1/4	1,474.61	1/4	1,116.82	1/4	761.19	1/4	404.23	1/4	79.35	1/4		1/4		1/4		1/4	
1/2	1,825.05	1/2	1,467.15	1/2	1,109.39	1/2	753.74	1/2	396.97	1/2	73.09	1/2		1/2		1/2		1/2	
3/4	1,817.59	3/4	1,459.70	3/4	1,101.96	3/4	746.29	3/4	389.70	3/4	66.83	3/4		3/4		3/4		3/4	
3	1,810.13	3	1,452.24	3	1,094.53	3	738.83	3	382.51	3	60.67	3		3		3		3	
1/4	1,802.68	1/4	1,444.79	1/4	1,087.11	1/4	731.38	1/4	375.33	1/4	54.51	1/4		1/4		1/4		1/4	
1/2	1,795.22	1/2	1,437.33	1/2	1,079.68	1/2	723.92	1/2	368.14	1/2	48.36	1/2		1/2		1/2		1/2	
3/4	1,787.77	3/4	1,429.87	3/4	1,072.25	3/4	716.47	3/4	360.96	3/4	42.20	3/4		3/4		3/4		3/4	
4	1,780.31	4	1,422.42	4	1,064.83	4	709.01	4	353.85	4	36.81	4		4		4		4	
1/4	1,772.85	1/4	1,414.96	1/4	1,057.40	1/4	701.55	1/4	346.75	1/4	31.41	1/4		1/4		1/4		1/4	
1/2	1,765.40	1/2	1,407.50	1/2	1,049.98	1/2	694.10	1/2	339.65	1/2	26.02	1/2		1/2		1/2		1/2	
3/4	1,757.94	3/4	1,400.05	3/4	1,042.55	3/4	686.64	3/4	332.55	3/4	20.63	3/4		3/4		3/4		3/4	
5	1,750.49	5	1,392.59	5	1,035.14	5	679.19	5	325.53	5	16.94	5		5		5		5	
1/4	1,743.03	1/4	1,385.14	1/4	1,027.72	1/4	671.73	1/4	318.51	1/4	13.25	1/4		1/4		1/4		1/4	
1/2	1,735.57	1/2	1,377.68	1/2	1,020.31	1/2	664.27	1/2	311.49	1/2	9.56	1/2		1/2		1/2		1/2	
3/4	1,728.12	3/4	1,370.22	3/4	1,012.89	3/4	656.82	3/4	304.47	3/4	5.87	3/4		3/4		3/4		3/4	
6	1,720.66	6	1,362.77	6	1,005.49	6	649.36	6	297.54	6		6		6		6		6	
1/4	1,713.20	1/4	1,355.31	1/4	998.09	1/4	641.91	1/4	290.60	1/4		1/4		1/4		1/4		1/4	
1/2	1,705.75	1/2	1,347.86	1/2	990.69	1/2	634.45	1/2	283.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,698.29	3/4	1,340.40	3/4	983.29	3/4	626.99	3/4	276.73	3/4		3/4		3/4		3/4		3/4	
7	1,690.84	7	1,332.94	7	975.89	7	619.54	7	269.88	7		7		7		7		7	
1/4	1,683.38	1/4	1,325.49	1/4	968.50	1/4	612.08	1/4	263.03	1/4		1/4		1/4		1/4		1/4	
1/2	1,675.92	1/2	1,318.03	1/2	961.10	1/2	604.63	1/2	256.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,668.47	3/4	1,310.58	3/4	953.70	3/4	597.17	3/4	249.32	3/4		3/4		3/4		3/4		3/4	
8	1,661.01	8	1,303.12	8	946.30	8	589.72	8	242.55	8		8		8		8		8	
1/4	1,653.56	1/4	1,295.66	1/4	938.91	1/4	582.26	1/4	235.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,646.10	1/2	1,288.21	1/2	931.51	1/2	574.80	1/2	229.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,638.64	3/4	1,280.75	3/4	924.11	3/4	567.35	3/4	222.25	3/4		3/4		3/4		3/4		3/4	
9	1,631.19	9	1,273.29	9	916.72	9	559.89	9	215.56	9		9		9		9		9	
1/4	1,623.73	1/4	1,265.84	1/4	909.32	1/4	552.44	1/4	208.88	1/4		1/4		1/4		1/4		1/4	
1/2	1,616.28	1/2	1,258.38	1/2	901.92	1/2	544.98	1/2	202.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,608.82	3/4	1,250.93	3/4	894.52	3/4	537.52	3/4	195.50	3/4		3/4		3/4		3/4		3/4	
10	1,601.36	10	1,243.47	10	887.13	10	530.07	10	188.90	10		10		10		10		10	
1/4	1,593.91	1/4	1,236.01	1/4	879.73	1/4	522.61	1/4	182.30	1/4		1/4		1/4		1/4		1/4	
1/2	1,586.45	1/2	1,228.56	1/2	872.33	1/2	515.16	1/2	175.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,579.00	3/4	1,221.10	3/4	864.94	3/4	507.70	3/4	169.10	3/4		3/4		3/4		3/4		3/4	
11	1,571.54	11	1,213.65	11	857.54	11	500.24	11	162.58	11		11		11		11		11	
1/4	1,564.08	1/4	1,206.19	1/4	850.14	1/4	492.79	1/4	156.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,556.63	1/2	1,198.73	1/2	842.74	1/2	485.33	1/2	149.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,549.17	3/4	1,191.28	3/4	835.35	3/4	477.88	3/4	143.02	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/04/2012 CL - SW  
CALCULATED: 06/04/2012 CL  
NAME CHANGE: 07/07/2017

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2012

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



# BARGE "KIRBY 29021"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1201"

GAUGE HEIGHT 15'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,844.64	0	4,486.77	0	4,128.03	0	3,769.11	0	3,410.19	0	3,051.27	0	2,692.28	0	2,333.26
1/4		1/4		1/4	4,837.17	1/4	4,479.31	1/4	4,120.55	1/4	3,761.63	1/4	3,402.71	1/4	3,043.79	1/4	2,684.80	1/4	2,325.78
1/2		1/2		1/2	4,829.73	1/2	4,471.85	1/2	4,113.07	1/2	3,754.15	1/2	3,395.23	1/2	3,036.31	1/2	2,677.32	1/2	2,318.30
3/4		3/4		3/4	4,822.27	3/4	4,464.40	3/4	4,105.60	3/4	3,746.68	3/4	3,387.76	3/4	3,028.84	3/4	2,669.84	3/4	2,310.82
1		1		1	4,814.82	1	4,456.94	1	4,098.12	1	3,739.20	1	3,380.28	1	3,021.36	1	2,662.36	1	2,303.34
1/4		1/4		1/4	4,807.36	1/4	4,449.49	1/4	4,090.64	1/4	3,731.72	1/4	3,372.80	1/4	3,013.88	1/4	2,654.88	1/4	2,295.86
1/2		1/2		1/2	4,799.90	1/2	4,442.03	1/2	4,083.16	1/2	3,724.24	1/2	3,365.32	1/2	3,006.40	1/2	2,647.40	1/2	2,288.38
3/4		3/4		3/4	4,792.45	3/4	4,434.58	3/4	4,075.69	3/4	3,716.77	3/4	3,357.85	3/4	2,998.93	3/4	2,639.92	3/4	2,280.90
2		2		2	4,784.99	2	4,427.11	2	4,068.21	2	3,709.29	2	3,350.37	2	2,991.45	2	2,632.44	2	2,273.42
1/4		1/4		1/4	4,777.54	1/4	4,419.64	1/4	4,060.73	1/4	3,701.81	1/4	3,342.89	1/4	2,983.97	1/4	2,624.96	1/4	2,265.94
1/2		1/2		1/2	4,770.08	1/2	4,412.17	1/2	4,053.25	1/2	3,694.33	1/2	3,335.41	1/2	2,976.49	1/2	2,617.48	1/2	2,258.46
3/4		3/4		3/4	4,762.63	3/4	4,404.70	3/4	4,045.78	3/4	3,686.86	3/4	3,327.94	3/4	2,969.02	3/4	2,610.00	3/4	2,250.98
3		3	5,102.00	3	4,755.17	3	4,397.22	3	4,038.30	3	3,679.38	3	3,320.46	3	2,961.54	3	2,602.52	3	2,243.50
1/4		1/4	5,096.73	1/4	4,747.71	1/4	4,389.74	1/4	4,030.82	1/4	3,671.90	1/4	3,312.98	1/4	2,954.06	1/4	2,595.04	1/4	2,236.02
1/2		1/2	5,091.45	1/2	4,740.26	1/2	4,382.26	1/2	4,023.34	1/2	3,664.42	1/2	3,305.50	1/2	2,946.58	1/2	2,587.56	1/2	2,228.54
3/4		3/4	5,086.17	3/4	4,732.80	3/4	4,374.79	3/4	4,015.87	3/4	3,656.95	3/4	3,298.03	3/4	2,939.11	3/4	2,580.08	3/4	2,221.06
4		4	5,079.65	4	4,725.35	4	4,367.31	4	4,008.39	4	3,649.47	4	3,290.55	4	2,931.63	4	2,572.60	4	2,213.58
1/4		1/4	5,073.13	1/4	4,717.89	1/4	4,359.83	1/4	4,000.91	1/4	3,641.99	1/4	3,283.07	1/4	2,924.15	1/4	2,565.12	1/4	2,206.10
1/2		1/2	5,066.61	1/2	4,710.44	1/2	4,352.35	1/2	3,993.43	1/2	3,634.51	1/2	3,275.59	1/2	2,916.67	1/2	2,557.64	1/2	2,198.62
3/4		3/4	5,060.09	3/4	4,702.98	3/4	4,344.88	3/4	3,985.96	3/4	3,627.04	3/4	3,268.12	3/4	2,909.18	3/4	2,550.16	3/4	2,191.14
5		5	5,052.81	5	4,695.52	5	4,337.40	5	3,978.48	5	3,619.56	5	3,260.64	5	2,901.71	5	2,542.68	5	2,183.66
1/4		1/4	5,045.54	1/4	4,688.07	1/4	4,329.92	1/4	3,971.00	1/4	3,612.08	1/4	3,253.16	1/4	2,894.23	1/4	2,535.20	1/4	2,176.18
1/2		1/2	5,038.26	1/2	4,680.61	1/2	4,322.44	1/2	3,963.52	1/2	3,604.60	1/2	3,245.68	1/2	2,886.75	1/2	2,527.73	1/2	2,168.70
3/4		3/4	5,030.99	3/4	4,673.16	3/4	4,314.97	3/4	3,956.05	3/4	3,597.13	3/4	3,238.21	3/4	2,879.27	3/4	2,520.25	3/4	2,161.22
6		6	5,023.54	6	4,665.70	6	4,307.49	6	3,948.57	6	3,589.65	6	3,230.73	6	2,871.79	6	2,512.77	6	2,153.75
1/4		1/4	5,016.10	1/4	4,658.25	1/4	4,300.01	1/4	3,941.09	1/4	3,582.17	1/4	3,223.25	1/4	2,864.31	1/4	2,505.29	1/4	2,146.27
1/2		1/2	5,008.66	1/2	4,650.79	1/2	4,292.53	1/2	3,933.61	1/2	3,574.69	1/2	3,215.77	1/2	2,856.83	1/2	2,497.81	1/2	2,138.79
3/4		3/4	5,001.22	3/4	4,643.33	3/4	4,285.06	3/4	3,926.14	3/4	3,567.22	3/4	3,208.30	3/4	2,849.35	3/4	2,490.33	3/4	2,131.31
7		7	4,993.77	7	4,635.88	7	4,277.58	7	3,918.66	7	3,559.74	7	3,200.82	7	2,841.87	7	2,482.85	7	2,123.83
1/4		1/4	4,986.31	1/4	4,628.42	1/4	4,270.10	1/4	3,911.18	1/4	3,552.26	1/4	3,193.34	1/4	2,834.39	1/4	2,475.37	1/4	2,116.35
1/2		1/2	4,978.86	1/2	4,620.97	1/2	4,262.62	1/2	3,903.70	1/2	3,544.78	1/2	3,185.86	1/2	2,826.91	1/2	2,467.89	1/2	2,108.87
3/4		3/4	4,971.40	3/4	4,613.51	3/4	4,255.15	3/4	3,896.23	3/4	3,537.31	3/4	3,178.39	3/4	2,819.43	3/4	2,460.41	3/4	2,101.39
8		8	4,963.95	8	4,606.06	8	4,247.67	8	3,888.75	8	3,529.83	8	3,170.91	8	2,811.95	8	2,452.93	8	2,093.91
1/4		1/4	4,956.49	1/4	4,598.60	1/4	4,240.19	1/4	3,881.27	1/4	3,522.35	1/4	3,163.43	1/4	2,804.47	1/4	2,445.45	1/4	2,086.43
1/2		1/2	4,949.03	1/2	4,591.14	1/2	4,232.71	1/2	3,873.79	1/2	3,514.87	1/2	3,155.95	1/2	2,796.99	1/2	2,437.97	1/2	2,078.95
3/4		3/4	4,941.58	3/4	4,583.69	3/4	4,225.24	3/4	3,866.32	3/4	3,507.40	3/4	3,148.48	3/4	2,789.51	3/4	2,430.49	3/4	2,071.47
9		9	4,934.12	9	4,576.23	9	4,217.76	9	3,858.84	9	3,499.92	9	3,141.00	9	2,782.03	9	2,423.01	9	2,063.99
1/4		1/4	4,926.66	1/4	4,568.78	1/4	4,210.28	1/4	3,851.36	1/4	3,492.44	1/4	3,133.52	1/4	2,774.55	1/4	2,415.53	1/4	2,056.51
1/2		1/2	4,919.20	1/2	4,561.32	1/2	4,202.80	1/2	3,843.88	1/2	3,484.96	1/2	3,126.04	1/2	2,767.07	1/2	2,408.05	1/2	2,049.03
3/4		3/4	4,911.74	3/4	4,553.87	3/4	4,195.33	3/4	3,836.41	3/4	3,477.49	3/4	3,118.57	3/4	2,759.59	3/4	2,400.57	3/4	2,041.55
10		10	4,904.29	10	4,546.41	10	4,187.85	10	3,828.93	10	3,470.01	10	3,111.09	10	2,752.11	10	2,393.09	10	2,034.07
1/4		1/4	4,896.83	1/4	4,538.95	1/4	4,180.37	1/4	3,821.45	1/4	3,462.53	1/4	3,103.61	1/4	2,744.63	1/4	2,385.61	1/4	2,026.59
1/2		1/2	4,889.37	1/2	4,531.50	1/2	4,172.89	1/2	3,813.97	1/2	3,455.05	1/2	3,096.13	1/2	2,737.15	1/2	2,378.13	1/2	2,019.11
3/4		3/4	4,881.92	3/4	4,524.04	3/4	4,165.42	3/4	3,806.50	3/4	3,447.58	3/4	3,088.66	3/4	2,729.67	3/4	2,370.65	3/4	2,011.63
11		11	4,874.46	11	4,516.59	11	4,157.94	11	3,799.02	11	3,440.10	11	3,081.18	11	2,722.19	11	2,363.17	11	2,004.15
1/4		1/4	4,867.01	1/4	4,509.13	1/4	4,150.46	1/4	3,791.54	1/4	3,432.62	1/4	3,073.70	1/4	2,714.72	1/4	2,355.69	1/4	1,996.67
1/2		1/2	4,859.55	1/2	4,501.68	1/2	4,142.98	1/2	3,784.06	1/2	3,425.14	1/2	3,066.22	1/2	2,707.24	1/2	2,348.21	1/2	1,989.19
3/4		3/4	4,852.09	3/4	4,494.22	3/4	4,135.51	3/4	3,776.59	3/4	3,417.67	3/4	3,058.75	3/4	2,699.76	3/4	2,340.74	3/4	1,981.71

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF "MMC" CLOSED GAUGING VALVE.

GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 29021"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1201"

GAUGE HEIGHT 15'-05 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	1,974.23	0	1,615.21	0	1,256.19	0	897.65	0	538.73	0	179.72	0		0		0		0	
1/4	1,966.76	1/4	1,607.73	1/4	1,248.71	1/4	890.18	1/4	531.25	1/4	172.24	1/4		1/4	1/4		1/4	1/4	
1/2	1,959.28	1/2	1,600.25	1/2	1,241.23	1/2	882.72	1/2	523.77	1/2	164.76	1/2		1/2	1/2		1/2	1/2	
3/4	1,951.80	3/4	1,592.78	3/4	1,233.75	3/4	875.26	3/4	516.29	3/4	157.28	3/4		3/4	3/4		3/4	3/4	
1	1,944.32	1	1,585.30	1	1,226.27	1	867.79	1	508.81	1	149.80	1		1	1		1	1	
1/4	1,936.84	1/4	1,577.82	1/4	1,218.80	1/4	860.32	1/4	501.33	1/4	142.32	1/4		1/4	1/4		1/4	1/4	
1/2	1,929.36	1/2	1,570.34	1/2	1,211.32	1/2	852.85	1/2	493.85	1/2	134.84	1/2		1/2	1/2		1/2	1/2	
3/4	1,921.88	3/4	1,562.86	3/4	1,203.84	3/4	845.38	3/4	486.37	3/4	127.37	3/4		3/4	3/4		3/4	3/4	
2	1,914.40	2	1,555.38	2	1,196.36	2	837.90	2	478.89	2	119.90	2		2	2		2	2	
1/4	1,906.92	1/4	1,547.90	1/4	1,188.88	1/4	830.42	1/4	471.41	1/4	112.42	1/4		1/4	1/4		1/4	1/4	
1/2	1,899.44	1/2	1,540.42	1/2	1,181.40	1/2	822.94	1/2	463.94	1/2	104.95	1/2		1/2	1/2		1/2	1/2	
3/4	1,891.96	3/4	1,532.94	3/4	1,173.92	3/4	815.47	3/4	456.46	3/4	97.48	3/4		3/4	3/4		3/4	3/4	
3	1,884.48	3	1,525.46	3	1,166.44	3	807.99	3	448.98	3	90.03	3		3	3		3	3	
1/4	1,877.00	1/4	1,517.98	1/4	1,158.97	1/4	800.51	1/4	441.50	1/4	82.58	1/4		1/4	1/4		1/4	1/4	
1/2	1,869.52	1/2	1,510.50	1/2	1,151.49	1/2	793.03	1/2	434.02	1/2	75.13	1/2		1/2	1/2		1/2	1/2	
3/4	1,862.04	3/4	1,503.02	3/4	1,144.01	3/4	785.55	3/4	426.54	3/4	67.68	3/4		3/4	3/4		3/4	3/4	
4	1,854.56	4	1,495.54	4	1,136.54	4	778.07	4	419.06	4	60.92	4		4	4		4	4	
1/4	1,847.08	1/4	1,488.06	1/4	1,129.07	1/4	770.59	1/4	411.58	1/4	54.15	1/4		1/4	1/4		1/4	1/4	
1/2	1,839.60	1/2	1,480.58	1/2	1,121.60	1/2	763.11	1/2	404.10	1/2	47.38	1/2		1/2	1/2		1/2	1/2	
3/4	1,832.12	3/4	1,473.10	3/4	1,114.13	3/4	755.63	3/4	396.62	3/4	40.61	3/4		3/4	3/4		3/4	3/4	
5	1,824.64	5	1,465.62	5	1,106.66	5	748.15	5	389.14	5	35.47	5		5	5		5	5	
1/4	1,817.16	1/4	1,458.14	1/4	1,099.19	1/4	740.67	1/4	381.66	1/4	30.33	1/4		1/4	1/4		1/4	1/4	
1/2	1,809.68	1/2	1,450.66	1/2	1,091.72	1/2	733.19	1/2	374.18	1/2	25.19	1/2		1/2	1/2		1/2	1/2	
3/4	1,802.20	3/4	1,443.18	3/4	1,084.26	3/4	725.71	3/4	366.70	3/4	20.05	3/4		3/4	3/4		3/4	3/4	
6	1,794.72	6	1,435.70	6	1,076.79	6	718.23	6	359.22	6		6		6	6		6	6	
1/4	1,787.24	1/4	1,428.22	1/4	1,069.33	1/4	710.76	1/4	351.74	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,779.77	1/2	1,420.74	1/2	1,061.86	1/2	703.28	1/2	344.26	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,772.29	3/4	1,413.26	3/4	1,054.40	3/4	695.80	3/4	336.79	3/4		3/4		3/4	3/4		3/4	3/4	
7	1,764.81	7	1,405.79	7	1,046.93	7	688.32	7	329.31	7		7		7	7		7	7	
1/4	1,757.33	1/4	1,398.31	1/4	1,039.47	1/4	680.84	1/4	321.83	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,749.85	1/2	1,390.83	1/2	1,032.00	1/2	673.36	1/2	314.35	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,742.37	3/4	1,383.35	3/4	1,024.54	3/4	665.88	3/4	306.87	3/4		3/4		3/4	3/4		3/4	3/4	
8	1,734.89	8	1,375.87	8	1,017.07	8	658.40	8	299.39	8		8		8	8		8	8	
1/4	1,727.41	1/4	1,368.39	1/4	1,009.61	1/4	650.92	1/4	291.91	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,719.93	1/2	1,360.91	1/2	1,002.15	1/2	643.44	1/2	284.43	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,712.45	3/4	1,353.43	3/4	994.68	3/4	635.96	3/4	276.95	3/4		3/4		3/4	3/4		3/4	3/4	
9	1,704.97	9	1,345.95	9	987.22	9	628.48	9	269.47	9		9		9	9		9	9	
1/4	1,697.49	1/4	1,338.47	1/4	979.75	1/4	621.00	1/4	261.99	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,690.01	1/2	1,330.99	1/2	972.29	1/2	613.52	1/2	254.51	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,682.53	3/4	1,323.51	3/4	964.83	3/4	606.04	3/4	247.03	3/4		3/4		3/4	3/4		3/4	3/4	
10	1,675.05	10	1,316.03	10	957.36	10	598.56	10	239.55	10		10		10	10		10	10	
1/4	1,667.57	1/4	1,308.55	1/4	949.90	1/4	591.09	1/4	232.07	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,660.09	1/2	1,301.07	1/2	942.43	1/2	583.61	1/2	224.59	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,652.61	3/4	1,293.59	3/4	934.97	3/4	576.13	3/4	217.12	3/4		3/4		3/4	3/4		3/4	3/4	
11	1,645.13	11	1,286.11	11	927.51	11	568.65	11	209.64	11		11		11	11		11	11	
1/4	1,637.65	1/4	1,278.63	1/4	920.04	1/4	561.17	1/4	202.16	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,630.17	1/2	1,271.15	1/2	912.58	1/2	553.69	1/2	194.68	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,622.69	3/4	1,263.67	3/4	905.11	3/4	546.21	3/4	187.20	3/4		3/4		3/4	3/4		3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/04/2012 CL - SW  
CALCULATED: 06/04/2012 CL  
NAME CHANGE: 07/07/2017

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2012

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



# BARGE "KIRBY 29021"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1201"

GAUGE HEIGHT 15'-06"

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	4,838.77	0	4,479.84	0	4,120.90	0	3,761.97	0	3,403.03	0	3,044.10	0	2,685.16	0	2,326.23
1/4		1/4		1/4	4,831.29	1/4	4,472.36	1/4	4,113.42	1/4	3,754.49	1/4	3,395.55	1/4	3,036.62	1/4	2,677.69	1/4	2,318.75
1/2		1/2		1/2	4,823.81	1/2	4,464.88	1/2	4,105.95	1/2	3,747.01	1/2	3,388.08	1/2	3,029.14	1/2	2,670.21	1/2	2,311.27
3/4		3/4		3/4	4,816.34	3/4	4,457.40	3/4	4,098.47	3/4	3,739.53	3/4	3,380.60	3/4	3,021.66	3/4	2,662.73	3/4	2,303.80
1		1		1	4,808.86	1	4,449.92	1	4,090.99	1	3,732.06	1	3,373.12	1	3,014.19	1	2,655.25	1	2,296.32
1/4		1/4		1/4	4,801.38	1/4	4,442.45	1/4	4,083.51	1/4	3,724.58	1/4	3,365.64	1/4	3,006.71	1/4	2,647.77	1/4	2,288.84
1/2		1/2		1/2	4,793.90	1/2	4,434.97	1/2	4,076.03	1/2	3,717.10	1/2	3,358.17	1/2	2,999.23	1/2	2,640.30	1/2	2,281.36
3/4		3/4		3/4	4,786.43	3/4	4,427.49	3/4	4,068.56	3/4	3,709.62	3/4	3,350.69	3/4	2,991.75	3/4	2,632.82	3/4	2,273.88
2		2		2	4,778.95	2	4,420.01	2	4,061.08	2	3,702.14	2	3,343.21	2	2,984.28	2	2,625.34	2	2,266.41
1/4		1/4		1/4	4,771.47	1/4	4,412.54	1/4	4,053.60	1/4	3,694.67	1/4	3,335.73	1/4	2,976.80	1/4	2,617.86	1/4	2,258.93
1/2		1/2		1/2	4,763.99	1/2	4,405.06	1/2	4,046.12	1/2	3,687.19	1/2	3,328.25	1/2	2,969.32	1/2	2,610.39	1/2	2,251.45
3/4		3/4		3/4	4,756.51	3/4	4,397.58	3/4	4,038.65	3/4	3,679.71	3/4	3,320.78	3/4	2,961.84	3/4	2,602.91	3/4	2,243.97
3		3		3	4,749.04	3	4,390.10	3	4,031.17	3	3,672.23	3	3,313.30	3	2,954.36	3	2,595.43	3	2,236.50
1/4		1/4		1/4	5,089.40	1/4	4,741.56	1/4	4,382.62	1/4	4,023.69	1/4	3,664.76	1/4	3,305.82	1/4	2,946.89	1/4	2,587.95
1/2		1/2		1/2	5,084.10	1/2	4,734.08	1/2	4,375.15	1/2	4,016.21	1/2	3,657.28	1/2	3,298.34	1/2	2,939.41	1/2	2,580.47
3/4		3/4		3/4	5,078.81	3/4	4,726.60	3/4	4,367.67	3/4	4,008.73	3/4	3,649.80	3/4	3,290.87	3/4	2,931.93	3/4	2,573.00
4		4		4	5,073.51	4	4,719.12	4	4,360.19	4	4,001.26	4	3,642.32	4	3,283.39	4	2,924.45	4	2,565.52
1/4		1/4		1/4	5,066.97	1/4	4,711.65	1/4	4,352.71	1/4	3,993.78	1/4	3,634.84	1/4	3,275.91	1/4	2,916.98	1/4	2,558.04
1/2		1/2		1/2	5,060.43	1/2	4,704.17	1/2	4,345.23	1/2	3,986.30	1/2	3,627.37	1/2	3,268.43	1/2	2,909.50	1/2	2,550.56
3/4		3/4		3/4	5,053.88	3/4	4,696.69	3/4	4,337.76	3/4	3,978.82	3/4	3,619.89	3/4	3,260.95	3/4	2,902.02	3/4	2,543.09
5		5		5	5,047.34	5	4,689.21	5	4,330.28	5	3,971.34	5	3,612.41	5	3,253.48	5	2,894.54	5	2,535.61
1/4		1/4		1/4	5,040.05	1/4	4,681.74	1/4	4,322.80	1/4	3,963.87	1/4	3,604.93	1/4	3,246.00	1/4	2,887.06	1/4	2,528.13
1/2		1/2		1/2	5,032.75	1/2	4,674.26	1/2	4,315.32	1/2	3,956.39	1/2	3,597.45	1/2	3,238.52	1/2	2,879.59	1/2	2,520.65
3/4		3/4		3/4	5,025.46	3/4	4,666.78	3/4	4,307.85	3/4	3,948.91	3/4	3,589.98	3/4	3,231.04	3/4	2,872.11	3/4	2,513.17
6		6		6	5,018.16	6	4,659.30	6	4,300.37	6	3,941.43	6	3,582.50	6	3,223.56	6	2,864.63	6	2,505.70
1/4		1/4		1/4	5,010.70	1/4	4,651.82	1/4	4,292.89	1/4	3,933.96	1/4	3,575.02	1/4	3,216.09	1/4	2,857.15	1/4	2,498.22
1/2		1/2		1/2	5,003.24	1/2	4,644.35	1/2	4,285.41	1/2	3,926.48	1/2	3,567.54	1/2	3,208.61	1/2	2,849.67	1/2	2,490.74
3/4		3/4		3/4	4,995.78	3/4	4,636.87	3/4	4,277.93	3/4	3,919.00	3/4	3,560.07	3/4	3,201.13	3/4	2,842.20	3/4	2,483.26
7		7		7	4,988.32	7	4,629.39	7	4,270.46	7	3,911.52	7	3,552.59	7	3,193.65	7	2,834.72	7	2,475.78
1/4		1/4		1/4	4,980.84	1/4	4,621.91	1/4	4,262.98	1/4	3,904.04	1/4	3,545.11	1/4	3,186.18	1/4	2,827.24	1/4	2,468.31
1/2		1/2		1/2	4,973.37	1/2	4,614.44	1/2	4,255.50	1/2	3,896.57	1/2	3,537.63	1/2	3,178.70	1/2	2,819.76	1/2	2,460.83
3/4		3/4		3/4	4,965.89	3/4	4,606.96	3/4	4,248.02	3/4	3,889.09	3/4	3,530.15	3/4	3,171.22	3/4	2,812.29	3/4	2,453.35
8		8		8	4,958.41	8	4,599.48	8	4,240.55	8	3,881.61	8	3,522.68	8	3,163.74	8	2,804.81	8	2,445.87
1/4		1/4		1/4	4,950.94	1/4	4,592.00	1/4	4,233.07	1/4	3,874.13	1/4	3,515.20	1/4	3,156.26	1/4	2,797.33	1/4	2,438.40
1/2		1/2		1/2	4,943.46	1/2	4,584.52	1/2	4,225.59	1/2	3,866.66	1/2	3,507.72	1/2	3,148.79	1/2	2,789.85	1/2	2,430.92
3/4		3/4		3/4	4,935.98	3/4	4,577.05	3/4	4,218.11	3/4	3,859.18	3/4	3,500.24	3/4	3,141.31	3/4	2,782.37	3/4	2,423.44
9		9		9	4,928.50	9	4,569.57	9	4,210.63	9	3,851.70	9	3,492.77	9	3,133.83	9	2,774.90	9	2,415.96
1/4		1/4		1/4	4,921.03	1/4	4,562.09	1/4	4,203.16	1/4	3,844.22	1/4	3,485.29	1/4	3,126.35	1/4	2,767.42	1/4	2,408.48
1/2		1/2		1/2	4,913.55	1/2	4,554.61	1/2	4,195.68	1/2	3,836.74	1/2	3,477.81	1/2	3,118.88	1/2	2,759.94	1/2	2,401.01
3/4		3/4		3/4	4,906.07	3/4	4,547.14	3/4	4,188.20	3/4	3,829.27	3/4	3,470.33	3/4	3,111.40	3/4	2,752.46	3/4	2,393.53
10		10		10	4,898.59	10	4,539.66	10	4,180.72	10	3,821.79	10	3,462.85	10	3,103.92	10	2,744.99	10	2,386.05
1/4		1/4		1/4	4,891.11	1/4	4,532.18	1/4	4,173.25	1/4	3,814.31	1/4	3,455.38	1/4	3,096.44	1/4	2,737.51	1/4	2,378.57
1/2		1/2		1/2	4,883.64	1/2	4,524.70	1/2	4,165.77	1/2	3,806.83	1/2	3,447.90	1/2	3,088.96	1/2	2,730.03	1/2	2,371.10
3/4		3/4		3/4	4,876.16	3/4	4,517.22	3/4	4,158.29	3/4	3,799.36	3/4	3,440.42	3/4	3,081.49	3/4	2,722.55	3/4	2,363.62
11		11		11	4,868.68	11	4,509.75	11	4,150.81	11	3,791.88	11	3,432.94	11	3,074.01	11	2,715.07	11	2,356.14
1/4		1/4		1/4	4,861.20	1/4	4,502.27	1/4	4,143.33	1/4	3,784.40	1/4	3,425.47	1/4	3,066.53	1/4	2,707.60	1/4	2,348.66
1/2		1/2		1/2	4,853.73	1/2	4,494.79	1/2	4,135.86	1/2	3,776.92	1/2	3,417.99	1/2	3,059.05	1/2	2,700.12	1/2	2,341.18
3/4		3/4		3/4	4,846.25	3/4	4,487.31	3/4	4,128.38	3/4	3,769.44	3/4	3,410.51	3/4	3,051.58	3/4	2,692.64	3/4	2,333.71

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF "MMC" CLOSED GAUGING VALVE.

GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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





# BARGE "KIRBY 29021"

**2 STBD**  
**ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1201"

GAUGE HEIGHT 15'-06"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,967.29	0	1,608.36	0	1,249.43	0	902.82	0	546.08	0	187.15	0		0		0		0	
1/4	1,959.82	1/4	1,600.88	1/4	1,241.95	1/4	895.65	1/4	538.60	1/4	179.67	1/4		1/4		1/4		1/4	
1/2	1,952.34	1/2	1,593.40	1/2	1,234.47	1/2	888.49	1/2	531.12	1/2	172.20	1/2		1/2		1/2		1/2	
3/4	1,944.86	3/4	1,585.93	3/4	1,226.99	3/4	881.32	3/4	523.64	3/4	164.72	3/4		3/4		3/4		3/4	
1	1,937.38	1	1,578.45	1	1,219.51	1	874.15	1	516.17	1	157.24	1		1		1		1	
1/4	1,929.91	1/4	1,570.97	1/4	1,212.14	1/4	866.87	1/4	508.69	1/4	149.77	1/4		1/4		1/4		1/4	
1/2	1,922.43	1/2	1,563.49	1/2	1,204.77	1/2	859.59	1/2	501.21	1/2	142.29	1/2		1/2		1/2		1/2	
3/4	1,914.95	3/4	1,556.02	3/4	1,197.40	3/4	852.31	3/4	493.73	3/4	134.81	3/4		3/4		3/4		3/4	
2	1,907.47	2	1,548.54	2	1,190.03	2	845.02	2	486.26	2	127.34	2		2		2		2	
1/4	1,899.99	1/4	1,541.06	1/4	1,182.80	1/4	837.59	1/4	478.78	1/4	119.87	1/4		1/4		1/4		1/4	
1/2	1,892.52	1/2	1,533.58	1/2	1,175.57	1/2	830.15	1/2	471.30	1/2	112.40	1/2		1/2		1/2		1/2	
3/4	1,885.04	3/4	1,526.10	3/4	1,168.34	3/4	822.71	3/4	463.82	3/4	104.93	3/4		3/4		3/4		3/4	
3	1,877.56	3	1,518.63	3	1,161.11	3	815.27	3	456.35	3	97.46	3		3		3		3	
1/4	1,870.08	1/4	1,511.15	1/4	1,153.91	1/4	807.79	1/4	448.87	1/4	90.01	1/4		1/4		1/4		1/4	
1/2	1,862.61	1/2	1,503.67	1/2	1,146.72	1/2	800.32	1/2	441.39	1/2	82.56	1/2		1/2		1/2		1/2	
3/4	1,855.13	3/4	1,496.19	3/4	1,139.52	3/4	792.84	3/4	433.91	3/4	75.12	3/4		3/4		3/4		3/4	
4	1,847.65	4	1,488.72	4	1,132.33	4	785.36	4	426.44	4	67.67	4		4		4		4	
1/4	1,840.17	1/4	1,481.24	1/4	1,125.14	1/4	777.88	1/4	418.96	1/4	60.90	1/4		1/4		1/4		1/4	
1/2	1,832.69	1/2	1,473.76	1/2	1,117.94	1/2	770.41	1/2	411.48	1/2	54.14	1/2		1/2		1/2		1/2	
3/4	1,825.22	3/4	1,466.28	3/4	1,110.75	3/4	762.93	3/4	404.00	3/4	47.37	3/4		3/4		3/4		3/4	
5	1,817.74	5	1,458.80	5	1,103.55	5	755.45	5	396.53	5	40.60	5		5		5		5	
1/4	1,810.26	1/4	1,451.33	1/4	1,096.37	1/4	747.97	1/4	389.05	1/4	35.46	1/4		1/4		1/4		1/4	
1/2	1,802.78	1/2	1,443.85	1/2	1,089.18	1/2	740.49	1/2	381.57	1/2	30.32	1/2		1/2		1/2		1/2	
3/4	1,795.31	3/4	1,436.37	3/4	1,082.00	3/4	733.02	3/4	374.09	3/4	25.18	3/4		3/4		3/4		3/4	
6	1,787.83	6	1,428.89	6	1,074.82	6	725.54	6	366.61	6	20.04	6		6		6		6	
1/4	1,780.35	1/4	1,421.42	1/4	1,067.65	1/4	718.06	1/4	359.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,772.87	1/2	1,413.94	1/2	1,060.48	1/2	710.58	1/2	351.66	1/2		1/2		1/2		1/2		1/2	
3/4	1,765.39	3/4	1,406.46	3/4	1,053.31	3/4	703.11	3/4	344.18	3/4		3/4		3/4		3/4		3/4	
7	1,757.92	7	1,398.98	7	1,046.14	7	695.63	7	336.70	7		7		7		7		7	
1/4	1,750.44	1/4	1,391.50	1/4	1,038.97	1/4	688.15	1/4	329.23	1/4		1/4		1/4		1/4		1/4	
1/2	1,742.96	1/2	1,384.03	1/2	1,031.81	1/2	680.67	1/2	321.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,735.48	3/4	1,376.55	3/4	1,024.64	3/4	673.20	3/4	314.27	3/4		3/4		3/4		3/4		3/4	
8	1,728.00	8	1,369.07	8	1,017.47	8	665.72	8	306.79	8		8		8		8		8	
1/4	1,720.53	1/4	1,361.59	1/4	1,010.31	1/4	658.24	1/4	299.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,713.05	1/2	1,354.11	1/2	1,003.14	1/2	650.76	1/2	291.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,705.57	3/4	1,346.64	3/4	995.98	3/4	643.29	3/4	284.36	3/4		3/4		3/4		3/4		3/4	
9	1,698.09	9	1,339.16	9	988.81	9	635.81	9	276.88	9		9		9		9		9	
1/4	1,690.62	1/4	1,331.68	1/4	981.64	1/4	628.33	1/4	269.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,683.14	1/2	1,324.20	1/2	974.48	1/2	620.85	1/2	261.93	1/2		1/2		1/2		1/2		1/2	
3/4	1,675.66	3/4	1,316.73	3/4	967.31	3/4	613.38	3/4	254.45	3/4		3/4		3/4		3/4		3/4	
10	1,668.18	10	1,309.25	10	960.15	10	605.90	10	246.97	10		10		10		10		10	
1/4	1,660.70	1/4	1,301.77	1/4	952.98	1/4	598.42	1/4	239.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,653.23	1/2	1,294.29	1/2	945.81	1/2	590.94	1/2	232.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,645.75	3/4	1,286.81	3/4	938.65	3/4	583.47	3/4	224.54	3/4		3/4		3/4		3/4		3/4	
11	1,638.27	11	1,279.34	11	931.48	11	575.99	11	217.06	11		11		11		11		11	
1/4	1,630.79	1/4	1,271.86	1/4	924.32	1/4	568.51	1/4	209.59	1/4		1/4		1/4		1/4		1/4	
1/2	1,623.32	1/2	1,264.38	1/2	917.15	1/2	561.03	1/2	202.11	1/2		1/2		1/2		1/2		1/2	
3/4	1,615.84	3/4	1,256.90	3/4	909.98	3/4	553.55	3/4	194.63	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/04/2012 CL - SW  
CALCULATED: 06/04/2012 CL  
NAME CHANGE: 07/07/2017

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2012

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



# BARGE "KIRBY 29021"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1201"

GAUGE HEIGHT 15'-06"

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	4,454.94	0	4,208.39	0	3,961.27	0	3,714.03	0	3,404.94	0	3,047.85	0	2,690.67	0	2,333.38
1/4		1/4		1/4	4,449.81	1/4	4,203.26	1/4	3,956.12	1/4	3,708.88	1/4	3,397.50	1/4	3,040.41	1/4	2,683.23	1/4	2,325.92
1/2		1/2		1/2	4,444.67	1/2	4,198.12	1/2	3,950.97	1/2	3,703.72	1/2	3,390.06	1/2	3,032.97	1/2	2,675.79	1/2	2,318.46
3/4		3/4		3/4	4,439.53	3/4	4,192.98	3/4	3,945.82	3/4	3,698.57	3/4	3,382.62	3/4	3,025.53	3/4	2,668.35	3/4	2,311.01
1		1		1	4,434.40	1	4,187.85	1	3,940.67	1	3,693.42	1	3,375.19	1	3,018.09	1	2,660.91	1	2,303.55
1/4		1/4		1/4	4,429.26	1/4	4,182.71	1/4	3,935.52	1/4	3,688.27	1/4	3,367.75	1/4	3,010.65	1/4	2,653.47	1/4	2,296.10
1/2		1/2		1/2	4,424.12	1/2	4,177.57	1/2	3,930.37	1/2	3,683.12	1/2	3,360.31	1/2	3,003.21	1/2	2,646.03	1/2	2,288.64
3/4		3/4		3/4	4,418.99	3/4	4,172.44	3/4	3,925.22	3/4	3,677.97	3/4	3,352.87	3/4	2,995.77	3/4	2,638.58	3/4	2,281.18
2		2		2	4,413.85	2	4,167.30	2	3,920.07	2	3,672.82	2	3,345.43	2	2,988.33	2	2,631.14	2	2,273.73
1/4		1/4		1/4	4,408.72	1/4	4,162.15	1/4	3,914.92	1/4	3,667.67	1/4	3,337.99	1/4	2,980.89	1/4	2,623.70	1/4	2,266.27
1/2		1/2		1/2	4,403.58	1/2	4,157.01	1/2	3,909.76	1/2	3,662.52	1/2	3,330.55	1/2	2,973.45	1/2	2,616.26	1/2	2,258.82
3/4		3/4		3/4	4,398.44	3/4	4,151.86	3/4	3,904.61	3/4	3,657.37	3/4	3,323.11	3/4	2,966.01	3/4	2,608.82	3/4	2,251.36
3		3		3	4,393.31	3	4,146.71	3	3,899.46	3	3,652.21	3	3,315.67	3	2,958.57	3	2,601.38	3	2,243.90
1/4		1/4	4,623.58	1/4	4,388.17	1/4	4,141.56	1/4	3,894.31	1/4	3,647.06	1/4	3,308.23	1/4	2,951.13	1/4	2,593.93	1/4	2,236.45
1/2		1/2	4,620.63	1/2	4,383.03	1/2	4,136.41	1/2	3,889.16	1/2	3,641.91	1/2	3,300.79	1/2	2,943.69	1/2	2,586.49	1/2	2,228.99
3/4		3/4	4,617.68	3/4	4,377.90	3/4	4,131.26	3/4	3,884.01	3/4	3,636.76	3/4	3,293.36	3/4	2,936.25	3/4	2,579.05	3/4	2,221.53
4		4	4,614.73	4	4,372.76	4	4,126.11	4	3,878.86	4	3,631.61	4	3,285.92	4	2,928.81	4	2,571.61	4	2,214.08
1/4		1/4	4,610.54	1/4	4,367.62	1/4	4,120.96	1/4	3,873.71	1/4	3,626.46	1/4	3,278.48	1/4	2,921.36	1/4	2,564.17	1/4	2,206.62
1/2		1/2	4,606.35	1/2	4,362.49	1/2	4,115.80	1/2	3,868.56	1/2	3,621.31	1/2	3,271.04	1/2	2,913.92	1/2	2,556.73	1/2	2,199.17
3/4		3/4	4,602.16	3/4	4,357.35	3/4	4,110.65	3/4	3,863.41	3/4	3,616.16	3/4	3,263.60	3/4	2,906.48	3/4	2,549.28	3/4	2,191.71
5		5	4,597.97	5	4,352.21	5	4,105.50	5	3,858.25	5	3,611.01	5	3,256.16	5	2,899.04	5	2,541.84	5	2,184.25
1/4		1/4	4,593.01	1/4	4,347.08	1/4	4,100.35	1/4	3,853.10	1/4	3,604.13	1/4	3,248.72	1/4	2,891.60	1/4	2,534.40	1/4	2,176.80
1/2		1/2	4,588.06	1/2	4,341.94	1/2	4,095.20	1/2	3,847.95	1/2	3,597.25	1/2	3,241.28	1/2	2,884.16	1/2	2,526.96	1/2	2,169.34
3/4		3/4	4,583.11	3/4	4,336.80	3/4	4,090.05	3/4	3,842.80	3/4	3,590.37	3/4	3,233.84	3/4	2,876.71	3/4	2,519.52	3/4	2,161.89
6		6	4,578.16	6	4,331.67	6	4,084.90	6	3,837.65	6	3,583.49	6	3,226.40	6	2,869.27	6	2,512.08	6	2,154.43
1/4		1/4	4,573.04	1/4	4,326.53	1/4	4,079.75	1/4	3,832.50	1/4	3,576.05	1/4	3,218.96	1/4	2,861.83	1/4	2,504.63	1/4	2,146.97
1/2		1/2	4,567.91	1/2	4,321.39	1/2	4,074.60	1/2	3,827.35	1/2	3,568.61	1/2	3,211.53	1/2	2,854.39	1/2	2,497.19	1/2	2,139.52
3/4		3/4	4,562.79	3/4	4,316.26	3/4	4,069.45	3/4	3,822.20	3/4	3,561.17	3/4	3,204.09	3/4	2,846.95	3/4	2,489.75	3/4	2,132.06
7		7	4,557.67	7	4,311.12	7	4,064.29	7	3,817.05	7	3,553.72	7	3,196.65	7	2,839.51	7	2,482.31	7	2,124.61
1/4		1/4	4,552.54	1/4	4,305.99	1/4	4,059.14	1/4	3,811.90	1/4	3,546.28	1/4	3,189.21	1/4	2,832.07	1/4	2,474.87	1/4	2,117.15
1/2		1/2	4,547.41	1/2	4,300.85	1/2	4,053.99	1/2	3,806.74	1/2	3,538.85	1/2	3,181.77	1/2	2,824.62	1/2	2,467.43	1/2	2,109.69
3/4		3/4	4,542.27	3/4	4,295.71	3/4	4,048.84	3/4	3,801.59	3/4	3,531.41	3/4	3,174.33	3/4	2,817.18	3/4	2,459.99	3/4	2,102.24
8		8	4,537.14	8	4,290.58	8	4,043.69	8	3,796.44	8	3,523.97	8	3,166.89	8	2,809.74	8	2,452.54	8	2,094.78
1/4		1/4	4,532.00	1/4	4,285.44	1/4	4,038.54	1/4	3,791.29	1/4	3,516.53	1/4	3,159.45	1/4	2,802.30	1/4	2,445.10	1/4	2,087.33
1/2		1/2	4,526.87	1/2	4,280.30	1/2	4,033.39	1/2	3,786.14	1/2	3,509.09	1/2	3,152.01	1/2	2,794.86	1/2	2,437.66	1/2	2,079.87
3/4		3/4	4,521.73	3/4	4,275.17	3/4	4,028.24	3/4	3,780.99	3/4	3,501.65	3/4	3,144.57	3/4	2,787.42	3/4	2,430.22	3/4	2,072.41
9		9	4,516.59	9	4,270.03	9	4,023.09	9	3,775.84	9	3,494.21	9	3,137.13	9	2,779.97	9	2,422.78	9	2,064.96
1/4		1/4	4,511.45	1/4	4,264.89	1/4	4,017.94	1/4	3,770.69	1/4	3,486.77	1/4	3,129.69	1/4	2,772.53	1/4	2,415.34	1/4	2,057.50
1/2		1/2	4,506.31	1/2	4,259.76	1/2	4,012.78	1/2	3,765.54	1/2	3,479.33	1/2	3,122.25	1/2	2,765.09	1/2	2,407.89	1/2	2,050.04
3/4		3/4	4,501.18	3/4	4,254.62	3/4	4,007.63	3/4	3,760.39	3/4	3,471.89	3/4	3,114.81	3/4	2,757.65	3/4	2,400.45	3/4	2,042.59
10		10	4,496.04	10	4,249.48	10	4,002.48	10	3,755.23	10	3,464.45	10	3,107.37	10	2,750.21	10	2,393.01	10	2,035.13
1/4		1/4	4,490.90	1/4	4,244.35	1/4	3,997.33	1/4	3,750.08	1/4	3,457.02	1/4	3,099.93	1/4	2,742.77	1/4	2,385.56	1/4	2,027.68
1/2		1/2	4,485.76	1/2	4,239.21	1/2	3,992.18	1/2	3,744.93	1/2	3,449.58	1/2	3,092.49	1/2	2,735.32	1/2	2,378.11	1/2	2,020.22
3/4		3/4	4,480.63	3/4	4,234.07	3/4	3,987.03	3/4	3,739.78	3/4	3,442.14	3/4	3,085.05	3/4	2,727.88	3/4	2,370.65	3/4	2,012.76
11		11	4,475.49	11	4,228.94	11	3,981.88	11	3,734.63	11	3,434.70	11	3,077.61	11	2,720.44	11	2,363.20	11	2,005.31
1/4		1/4	4,470.35	1/4	4,223.80	1/4	3,976.73	1/4	3,729.48	1/4	3,427.26	1/4	3,070.17	1/4	2,713.00	1/4	2,355.74	1/4	1,997.85
1/2		1/2	4,465.22	1/2	4,218.66	1/2	3,971.58	1/2	3,724.33	1/2	3,419.82	1/2	3,062.73	1/2	2,705.56	1/2	2,348.29	1/2	1,990.40
3/4		3/4	4,460.08	3/4	4,213.53	3/4	3,966.43	3/4	3,719.18	3/4	3,412.38	3/4	3,055.29	3/4	2,698.12	3/4	2,340.83	3/4	1,982.94

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF "MMC" CLOSED GAUGING VALVE.

GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 29021"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1201"

GAUGE HEIGHT 15'-06"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,975.48	0	1,617.59	0	1,259.70	0	902.27	0	544.49	0	186.61	0		0		0		0	
1/4	1,968.03	1/4	1,610.13	1/4	1,252.24	1/4	894.83	1/4	537.04	1/4	179.15	1/4		1/4		1/4		1/4	
1/2	1,960.57	1/2	1,602.68	1/2	1,244.79	1/2	887.39	1/2	529.58	1/2	171.70	1/2		1/2		1/2		1/2	
3/4	1,953.12	3/4	1,595.22	3/4	1,237.33	3/4	879.95	3/4	522.13	3/4	164.24	3/4		3/4		3/4		3/4	
1	1,945.66	1	1,587.77	1	1,229.87	1	872.50	1	514.67	1	156.79	1		1		1		1	
1/4	1,938.20	1/4	1,580.31	1/4	1,222.42	1/4	865.06	1/4	507.21	1/4	149.33	1/4		1/4		1/4		1/4	
1/2	1,930.75	1/2	1,572.85	1/2	1,214.96	1/2	857.61	1/2	499.76	1/2	141.88	1/2		1/2		1/2		1/2	
3/4	1,923.29	3/4	1,565.40	3/4	1,207.51	3/4	850.17	3/4	492.30	3/4	134.42	3/4		3/4		3/4		3/4	
2	1,915.83	2	1,557.94	2	1,200.05	2	842.72	2	484.85	2	126.97	2		2		2		2	
1/4	1,908.38	1/4	1,550.49	1/4	1,192.59	1/4	835.27	1/4	477.39	1/4	119.52	1/4		1/4		1/4		1/4	
1/2	1,900.92	1/2	1,543.03	1/2	1,185.14	1/2	827.81	1/2	469.93	1/2	112.07	1/2		1/2		1/2		1/2	
3/4	1,893.47	3/4	1,535.57	3/4	1,177.68	3/4	820.36	3/4	462.48	3/4	104.62	3/4		3/4		3/4		3/4	
3	1,886.01	3	1,528.12	3	1,170.22	3	812.91	3	455.02	3	97.18	3		3		3		3	
1/4	1,878.55	1/4	1,520.66	1/4	1,162.77	1/4	805.45	1/4	447.57	1/4	89.75	1/4		1/4		1/4		1/4	
1/2	1,871.10	1/2	1,513.21	1/2	1,155.32	1/2	797.99	1/2	440.11	1/2	82.32	1/2		1/2		1/2		1/2	
3/4	1,863.64	3/4	1,505.75	3/4	1,147.87	3/4	790.54	3/4	432.66	3/4	74.90	3/4		3/4		3/4		3/4	
4	1,856.19	4	1,498.29	4	1,140.41	4	783.08	4	425.20	4	67.47	4		4		4		4	
1/4	1,848.73	1/4	1,490.84	1/4	1,132.97	1/4	775.63	1/4	417.74	1/4	60.73	1/4		1/4		1/4		1/4	
1/2	1,841.27	1/2	1,483.38	1/2	1,125.52	1/2	768.17	1/2	410.29	1/2	53.98	1/2		1/2		1/2		1/2	
3/4	1,833.82	3/4	1,475.92	3/4	1,118.07	3/4	760.71	3/4	402.83	3/4	47.23	3/4		3/4		3/4		3/4	
5	1,826.36	5	1,468.47	5	1,110.62	5	753.26	5	395.38	5	40.49	5		5		5		5	
1/4	1,818.91	1/4	1,461.01	1/4	1,103.18	1/4	745.80	1/4	387.92	1/4	35.36	1/4		1/4		1/4		1/4	
1/2	1,811.45	1/2	1,453.56	1/2	1,095.73	1/2	738.35	1/2	380.46	1/2	30.23	1/2		1/2		1/2		1/2	
3/4	1,803.99	3/4	1,446.10	3/4	1,088.29	3/4	730.89	3/4	373.01	3/4	25.11	3/4		3/4		3/4		3/4	
6	1,796.54	6	1,438.64	6	1,080.84	6	723.44	6	365.55	6	19.98	6		6		6		6	
1/4	1,789.08	1/4	1,431.19	1/4	1,073.40	1/4	715.98	1/4	358.10	1/4		1/4		1/4		1/4		1/4	
1/2	1,781.62	1/2	1,423.73	1/2	1,065.96	1/2	708.52	1/2	350.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,774.17	3/4	1,416.28	3/4	1,058.52	3/4	701.07	3/4	343.18	3/4		3/4		3/4		3/4		3/4	
7	1,766.71	7	1,408.82	7	1,051.08	7	693.61	7	335.73	7		7		7		7		7	
1/4	1,759.26	1/4	1,401.36	1/4	1,043.64	1/4	686.16	1/4	328.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,751.80	1/2	1,393.91	1/2	1,036.20	1/2	678.70	1/2	320.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,744.34	3/4	1,386.45	3/4	1,028.76	3/4	671.24	3/4	313.36	3/4		3/4		3/4		3/4		3/4	
8	1,736.89	8	1,379.00	8	1,021.32	8	663.79	8	305.90	8		8		8		8		8	
1/4	1,729.43	1/4	1,371.54	1/4	1,013.88	1/4	656.33	1/4	298.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,721.98	1/2	1,364.08	1/2	1,006.44	1/2	648.88	1/2	290.99	1/2		1/2		1/2		1/2		1/2	
3/4	1,714.52	3/4	1,356.63	3/4	998.99	3/4	641.42	3/4	283.54	3/4		3/4		3/4		3/4		3/4	
9	1,707.06	9	1,349.17	9	991.55	9	633.96	9	276.08	9		9		9		9		9	
1/4	1,699.61	1/4	1,341.72	1/4	984.11	1/4	626.51	1/4	268.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,692.15	1/2	1,334.26	1/2	976.67	1/2	619.05	1/2	261.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,684.70	3/4	1,326.80	3/4	969.23	3/4	611.60	3/4	253.71	3/4		3/4		3/4		3/4		3/4	
10	1,677.24	10	1,319.35	10	961.79	10	604.14	10	246.26	10		10		10		10		10	
1/4	1,669.78	1/4	1,311.89	1/4	954.35	1/4	596.68	1/4	238.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,662.33	1/2	1,304.43	1/2	946.91	1/2	589.23	1/2	231.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,654.87	3/4	1,296.98	3/4	939.47	3/4	581.77	3/4	223.89	3/4		3/4		3/4		3/4		3/4	
11	1,647.42	11	1,289.52	11	932.03	11	574.32	11	216.43	11		11		11		11		11	
1/4	1,639.96	1/4	1,282.07	1/4	924.59	1/4	566.86	1/4	208.98	1/4		1/4		1/4		1/4		1/4	
1/2	1,632.50	1/2	1,274.61	1/2	917.15	1/2	559.41	1/2	201.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,625.05	3/4	1,267.15	3/4	909.71	3/4	551.95	3/4	194.07	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/04/2012 CL - SW  
CALCULATED: 06/04/2012 CL  
NAME CHANGE: 07/07/2017

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2012

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



# BARGE "KIRBY 29021"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1201"

GAUGE HEIGHT 15'-06"

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	4,432.78	0	4,186.23	0	3,939.11	0	3,691.87	0	3,383.01	0	3,026.59	0	2,670.10	0	2,313.44
1/4		1/4		1/4	4,427.65	1/4	4,181.10	1/4	3,933.96	1/4	3,686.72	1/4	3,375.58	1/4	3,019.17	1/4	2,662.68	1/4	2,306.00
1/2		1/2		1/2	4,422.51	1/2	4,175.96	1/2	3,928.81	1/2	3,681.56	1/2	3,368.16	1/2	3,011.74	1/2	2,655.25	1/2	2,298.55
3/4		3/4		3/4	4,417.37	3/4	4,170.82	3/4	3,923.66	3/4	3,676.41	3/4	3,360.73	3/4	3,004.32	3/4	2,647.82	3/4	2,291.11
1		1		1	4,412.24	1	4,165.69	1	3,918.51	1	3,671.26	1	3,353.31	1	2,996.89	1	2,640.39	1	2,283.67
1/4		1/4		1/4	4,407.10	1/4	4,160.55	1/4	3,913.36	1/4	3,666.11	1/4	3,345.88	1/4	2,989.46	1/4	2,632.96	1/4	2,276.23
1/2		1/2		1/2	4,401.96	1/2	4,155.41	1/2	3,908.21	1/2	3,660.96	1/2	3,338.46	1/2	2,982.04	1/2	2,625.53	1/2	2,268.78
3/4		3/4		3/4	4,396.83	3/4	4,150.28	3/4	3,903.06	3/4	3,655.81	3/4	3,331.03	3/4	2,974.61	3/4	2,618.11	3/4	2,261.34
2		2		2	4,391.69	2	4,145.14	2	3,897.91	2	3,650.66	2	3,323.61	2	2,967.19	2	2,610.68	2	2,253.90
1/4		1/4		1/4	4,386.56	1/4	4,139.99	1/4	3,892.76	1/4	3,645.51	1/4	3,316.18	1/4	2,959.76	1/4	2,603.25	1/4	2,246.45
1/2		1/2		1/2	4,381.42	1/2	4,134.85	1/2	3,887.60	1/2	3,640.36	1/2	3,308.76	1/2	2,952.33	1/2	2,595.82	1/2	2,239.01
3/4		3/4		3/4	4,376.28	3/4	4,129.70	3/4	3,882.45	3/4	3,635.21	3/4	3,301.33	3/4	2,944.91	3/4	2,588.39	3/4	2,231.57
3		3		3	4,371.15	3	4,124.55	3	3,877.30	3	3,630.05	3	3,293.91	3	2,937.48	3	2,580.96	3	2,224.13
1/4		1/4	4,601.42	1/4	4,366.01	1/4	4,119.40	1/4	3,872.15	1/4	3,624.90	1/4	3,286.48	1/4	2,930.06	1/4	2,573.54	1/4	2,216.68
1/2		1/2	4,598.47	1/2	4,360.87	1/2	4,114.25	1/2	3,867.00	1/2	3,619.75	1/2	3,279.06	1/2	2,922.63	1/2	2,566.11	1/2	2,209.24
3/4		3/4	4,595.52	3/4	4,355.74	3/4	4,109.10	3/4	3,861.85	3/4	3,614.60	3/4	3,271.63	3/4	2,915.20	3/4	2,558.68	3/4	2,201.80
4		4	4,592.57	4	4,350.60	4	4,103.95	4	3,856.70	4	3,609.45	4	3,264.21	4	2,907.78	4	2,551.25	4	2,194.36
1/4		1/4	4,588.38	1/4	4,345.46	1/4	4,098.80	1/4	3,851.55	1/4	3,604.30	1/4	3,256.78	1/4	2,900.35	1/4	2,543.82	1/4	2,186.91
1/2		1/2	4,584.19	1/2	4,340.33	1/2	4,093.64	1/2	3,846.40	1/2	3,599.15	1/2	3,249.36	1/2	2,892.92	1/2	2,536.39	1/2	2,179.47
3/4		3/4	4,580.00	3/4	4,335.19	3/4	4,088.49	3/4	3,841.25	3/4	3,594.00	3/4	3,241.93	3/4	2,885.50	3/4	2,528.97	3/4	2,172.03
5		5	4,575.81	5	4,330.05	5	4,083.34	5	3,836.09	5	3,588.85	5	3,234.51	5	2,878.07	5	2,521.54	5	2,164.58
1/4		1/4	4,570.85	1/4	4,324.92	1/4	4,078.19	1/4	3,830.94	1/4	3,581.97	1/4	3,227.08	1/4	2,870.64	1/4	2,514.11	1/4	2,157.14
1/2		1/2	4,565.90	1/2	4,319.78	1/2	4,073.04	1/2	3,825.79	1/2	3,575.09	1/2	3,219.66	1/2	2,863.22	1/2	2,506.68	1/2	2,149.70
3/4		3/4	4,560.95	3/4	4,314.64	3/4	4,067.89	3/4	3,820.64	3/4	3,568.21	3/4	3,212.23	3/4	2,855.79	3/4	2,499.25	3/4	2,142.26
6		6	4,556.00	6	4,309.51	6	4,062.74	6	3,815.49	6	3,561.33	6	3,204.81	6	2,848.36	6	2,491.82	6	2,134.81
1/4		1/4	4,550.88	1/4	4,304.37	1/4	4,057.59	1/4	3,810.34	1/4	3,553.89	1/4	3,197.38	1/4	2,840.93	1/4	2,484.39	1/4	2,127.37
1/2		1/2	4,545.75	1/2	4,299.23	1/2	4,052.44	1/2	3,805.19	1/2	3,546.45	1/2	3,189.96	1/2	2,833.51	1/2	2,476.97	1/2	2,119.93
3/4		3/4	4,540.63	3/4	4,294.10	3/4	4,047.29	3/4	3,800.04	3/4	3,539.01	3/4	3,182.53	3/4	2,826.08	3/4	2,469.54	3/4	2,112.48
7		7	4,535.51	7	4,288.96	7	4,042.13	7	3,794.89	7	3,531.57	7	3,175.11	7	2,818.65	7	2,462.11	7	2,105.04
1/4		1/4	4,530.38	1/4	4,283.83	1/4	4,036.98	1/4	3,789.74	1/4	3,524.13	1/4	3,167.68	1/4	2,811.22	1/4	2,454.68	1/4	2,097.61
1/2		1/2	4,525.25	1/2	4,278.69	1/2	4,031.83	1/2	3,784.58	1/2	3,516.69	1/2	3,160.26	1/2	2,803.80	1/2	2,447.25	1/2	2,090.18
3/4		3/4	4,520.11	3/4	4,273.55	3/4	4,026.68	3/4	3,779.43	3/4	3,509.26	3/4	3,152.83	3/4	2,796.37	3/4	2,439.82	3/4	2,082.75
8		8	4,514.98	8	4,268.42	8	4,021.53	8	3,774.28	8	3,501.82	8	3,145.41	8	2,788.94	8	2,432.40	8	2,075.32
1/4		1/4	4,509.84	1/4	4,263.28	1/4	4,016.38	1/4	3,769.13	1/4	3,494.39	1/4	3,137.98	1/4	2,781.52	1/4	2,424.97	1/4	2,067.89
1/2		1/2	4,504.71	1/2	4,258.14	1/2	4,011.23	1/2	3,763.98	1/2	3,486.96	1/2	3,130.56	1/2	2,774.09	1/2	2,417.54	1/2	2,060.47
3/4		3/4	4,499.57	3/4	4,253.01	3/4	4,006.08	3/4	3,758.83	3/4	3,479.53	3/4	3,123.13	3/4	2,766.66	3/4	2,410.11	3/4	2,053.04
9		9	4,494.43	9	4,247.87	9	4,000.93	9	3,753.68	9	3,472.11	9	3,115.71	9	2,759.23	9	2,402.68	9	2,045.62
1/4		1/4	4,489.29	1/4	4,242.73	1/4	3,995.78	1/4	3,748.53	1/4	3,464.68	1/4	3,108.28	1/4	2,751.81	1/4	2,395.25	1/4	2,038.19
1/2		1/2	4,484.15	1/2	4,237.60	1/2	3,990.62	1/2	3,743.38	1/2	3,457.26	1/2	3,100.85	1/2	2,744.38	1/2	2,387.83	1/2	2,030.76
3/4		3/4	4,479.02	3/4	4,232.46	3/4	3,985.47	3/4	3,738.23	3/4	3,449.83	3/4	3,093.43	3/4	2,736.95	3/4	2,380.40	3/4	2,023.34
10		10	4,473.88	10	4,227.32	10	3,980.32	10	3,733.07	10	3,442.41	10	3,086.00	10	2,729.52	10	2,372.97	10	2,015.91
1/4		1/4	4,468.74	1/4	4,222.19	1/4	3,975.17	1/4	3,727.92	1/4	3,434.98	1/4	3,078.58	1/4	2,722.10	1/4	2,365.53	1/4	2,008.49
1/2		1/2	4,463.60	1/2	4,217.05	1/2	3,970.02	1/2	3,722.77	1/2	3,427.56	1/2	3,071.15	1/2	2,714.67	1/2	2,358.09	1/2	2,001.06
3/4		3/4	4,458.47	3/4	4,211.91	3/4	3,964.87	3/4	3,717.62	3/4	3,420.13	3/4	3,063.72	3/4	2,707.24	3/4	2,350.65	3/4	1,993.63
11		11	4,453.33	11	4,206.78	11	3,959.72	11	3,712.47	11	3,412.71	11	3,056.30	11	2,699.82	11	2,343.21	11	1,986.21
1/4		1/4	4,448.19	1/4	4,201.64	1/4	3,954.57	1/4	3,707.32	1/4	3,405.28	1/4	3,048.87	1/4	2,692.39	1/4	2,335.77	1/4	1,978.78
1/2		1/2	4,443.06	1/2	4,196.50	1/2	3,949.42	1/2	3,702.17	1/2	3,397.86	1/2	3,041.45	1/2	2,684.96	1/2	2,328.33	1/2	1,971.36
3/4		3/4	4,437.92	3/4	4,191.37	3/4	3,944.27	3/4	3,697.02	3/4	3,390.43	3/4	3,034.02	3/4	2,677.53	3/4	2,320.88	3/4	1,963.93

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF "MMC" CLOSED GAUGING VALVE.

GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 29021"

**3 STBD**  
**ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1201"

GAUGE HEIGHT 15'-06"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,956.50	0	1,599.81	0	1,242.73	0	899.03	0	544.09	0	186.60	0		0		0		0	
1/4	1,949.08	1/4	1,592.37	1/4	1,235.29	1/4	891.92	1/4	536.64	1/4	179.14	1/4		1/4		1/4		1/4	
1/2	1,941.65	1/2	1,584.93	1/2	1,227.86	1/2	884.82	1/2	529.20	1/2	171.69	1/2		1/2		1/2		1/2	
3/4	1,934.23	3/4	1,577.49	3/4	1,220.42	3/4	877.71	3/4	521.76	3/4	164.23	3/4		3/4		3/4		3/4	
1	1,926.80	1	1,570.05	1	1,212.98	1	870.61	1	514.31	1	156.78	1		1		1		1	
1/4	1,919.37	1/4	1,562.61	1/4	1,205.65	1/4	863.38	1/4	506.87	1/4	149.32	1/4		1/4		1/4		1/4	
1/2	1,911.95	1/2	1,555.18	1/2	1,198.32	1/2	856.14	1/2	499.42	1/2	141.87	1/2		1/2		1/2		1/2	
3/4	1,904.52	3/4	1,547.74	3/4	1,191.00	3/4	848.91	3/4	491.98	3/4	134.42	3/4		3/4		3/4		3/4	
2	1,897.10	2	1,540.30	2	1,183.67	2	841.68	2	484.53	2	126.96	2		2		2		2	
1/4	1,889.67	1/4	1,532.86	1/4	1,176.50	1/4	834.28	1/4	477.09	1/4	119.52	1/4		1/4		1/4		1/4	
1/2	1,882.25	1/2	1,525.42	1/2	1,169.32	1/2	826.88	1/2	469.65	1/2	112.07	1/2		1/2		1/2		1/2	
3/4	1,874.82	3/4	1,517.98	3/4	1,162.14	3/4	819.48	3/4	462.20	3/4	104.62	3/4		3/4		3/4		3/4	
3	1,867.39	3	1,510.54	3	1,154.97	3	812.08	3	454.76	3	97.18	3		3		3		3	
1/4	1,859.97	1/4	1,503.10	1/4	1,147.84	1/4	804.63	1/4	447.31	1/4	89.75	1/4		1/4		1/4		1/4	
1/2	1,852.54	1/2	1,495.66	1/2	1,140.71	1/2	797.19	1/2	439.87	1/2	82.32	1/2		1/2		1/2		1/2	
3/4	1,845.12	3/4	1,488.22	3/4	1,133.58	3/4	789.74	3/4	432.43	3/4	74.90	3/4		3/4		3/4		3/4	
4	1,837.69	4	1,480.78	4	1,126.45	4	782.30	4	424.98	4	67.47	4		4		4		4	
1/4	1,830.26	1/4	1,473.35	1/4	1,119.33	1/4	774.85	1/4	417.54	1/4	60.73	1/4		1/4		1/4		1/4	
1/2	1,822.84	1/2	1,465.91	1/2	1,112.21	1/2	767.41	1/2	410.09	1/2	53.98	1/2		1/2		1/2		1/2	
3/4	1,815.41	3/4	1,458.47	3/4	1,105.10	3/4	759.97	3/4	402.65	3/4	47.23	3/4		3/4		3/4		3/4	
5	1,807.99	5	1,451.03	5	1,097.98	5	752.52	5	395.21	5	40.49	5		5		5		5	
1/4	1,800.56	1/4	1,443.59	1/4	1,090.87	1/4	745.08	1/4	387.76	1/4	35.36	1/4		1/4		1/4		1/4	
1/2	1,793.13	1/2	1,436.15	1/2	1,083.75	1/2	737.63	1/2	380.32	1/2	30.23	1/2		1/2		1/2		1/2	
3/4	1,785.71	3/4	1,428.71	3/4	1,076.64	3/4	730.19	3/4	372.87	3/4	25.11	3/4		3/4		3/4		3/4	
6	1,778.28	6	1,421.27	6	1,069.53	6	722.75	6	365.43	6	19.98	6		6		6		6	
1/4	1,770.86	1/4	1,413.83	1/4	1,062.43	1/4	715.30	1/4	357.99	1/4		1/4		1/4		1/4		1/4	
1/2	1,763.43	1/2	1,406.39	1/2	1,055.32	1/2	707.86	1/2	350.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,756.01	3/4	1,398.95	3/4	1,048.21	3/4	700.41	3/4	343.10	3/4		3/4		3/4		3/4		3/4	
7	1,748.58	7	1,391.52	7	1,041.11	7	692.97	7	335.65	7		7		7		7		7	
1/4	1,741.14	1/4	1,384.08	1/4	1,034.00	1/4	685.53	1/4	328.21	1/4		1/4		1/4		1/4		1/4	
1/2	1,733.71	1/2	1,376.64	1/2	1,026.90	1/2	678.08	1/2	320.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,726.27	3/4	1,369.20	3/4	1,019.80	3/4	670.64	3/4	313.32	3/4		3/4		3/4		3/4		3/4	
8	1,718.84	8	1,361.76	8	1,012.69	8	663.19	8	305.88	8		8		8		8		8	
1/4	1,711.40	1/4	1,354.32	1/4	1,005.59	1/4	655.75	1/4	298.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,703.96	1/2	1,346.88	1/2	998.48	1/2	648.30	1/2	290.97	1/2		1/2		1/2		1/2		1/2	
3/4	1,696.52	3/4	1,339.44	3/4	991.38	3/4	640.86	3/4	283.52	3/4		3/4		3/4		3/4		3/4	
9	1,689.08	9	1,332.00	9	984.28	9	633.42	9	276.07	9		9		9		9		9	
1/4	1,681.64	1/4	1,324.56	1/4	977.17	1/4	625.97	1/4	268.61	1/4		1/4		1/4		1/4		1/4	
1/2	1,674.20	1/2	1,317.12	1/2	970.07	1/2	618.53	1/2	261.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,666.76	3/4	1,309.69	3/4	962.96	3/4	611.08	3/4	253.70	3/4		3/4		3/4		3/4		3/4	
10	1,659.32	10	1,302.25	10	955.86	10	603.64	10	246.24	10		10		10		10		10	
1/4	1,651.88	1/4	1,294.81	1/4	948.75	1/4	596.20	1/4	238.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,644.44	1/2	1,287.37	1/2	941.65	1/2	588.75	1/2	231.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,637.01	3/4	1,279.93	3/4	934.55	3/4	581.31	3/4	223.87	3/4		3/4		3/4		3/4		3/4	
11	1,629.57	11	1,272.49	11	927.44	11	573.86	11	216.42	11		11		11		11		11	
1/4	1,622.13	1/4	1,265.05	1/4	920.34	1/4	566.42	1/4	208.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,614.69	1/2	1,257.61	1/2	913.23	1/2	558.98	1/2	201.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,607.25	3/4	1,250.17	3/4	906.13	3/4	551.53	3/4	194.05	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/04/2012 CL - SW  
CALCULATED: 06/04/2012 CL  
NAME CHANGE: 07/07/2017

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2012

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



# BARGE "KIRBY 29021"

## FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

FORMERLY "SCF 1201"

GAUGE HEIGHT 5'-06"

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	8	0	394	0	779	0	1,164	0	1,549	0		0		0		0		0	
1/4	16	1/4	402	1/4	787	1/4	1,172	1/4	1,557	1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	410	1/2	795	1/2	1,180	1/2	1,565	1/2		1/2		1/2		1/2		1/2	
3/4	32	3/4	418	3/4	803	3/4	1,188	3/4	1,573	3/4		3/4		3/4		3/4		3/4	
1	40	1	426	1	811	1	1,196	1	1,581	1		1		1		1		1	
1/4	48	1/4	434	1/4	819	1/4	1,204	1/4	1,589	1/4		1/4		1/4		1/4		1/4	
1/2	56	1/2	442	1/2	827	1/2	1,212	1/2	1,597	1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	450	3/4	835	3/4	1,220	3/4	1,605	3/4		3/4		3/4		3/4		3/4	
2	72	2	458	2	843	2	1,228	2	1,613	2		2		2		2		2	
1/4	80	1/4	466	1/4	851	1/4	1,236	1/4	1,621	1/4		1/4		1/4		1/4		1/4	
1/2	88	1/2	474	1/2	859	1/2	1,244	1/2	1,629	1/2		1/2		1/2		1/2		1/2	
3/4	96	3/4	482	3/4	866	3/4	1,252	3/4	1,637	3/4		3/4		3/4		3/4		3/4	
3	104	3	490	3	874	3	1,260	3	1,645	3		3		3		3		3	
1/4	112	1/4	498	1/4	882	1/4	1,268	1/4	1,653	1/4		1/4		1/4		1/4		1/4	
1/2	121	1/2	506	1/2	890	1/2	1,276	1/2	1,661	1/2		1/2		1/2		1/2		1/2	
3/4	129	3/4	514	3/4	899	3/4	1,284	3/4	1,669	3/4		3/4		3/4		3/4		3/4	
4	137	4	522	4	907	4	1,292	4	1,677	4		4		4		4		4	
1/4	145	1/4	530	1/4	915	1/4	1,300	1/4	1,685	1/4		1/4		1/4		1/4		1/4	
1/2	153	1/2	538	1/2	923	1/2	1,308	1/2	1,692	1/2		1/2		1/2		1/2		1/2	
3/4	161	3/4	546	3/4	931	3/4	1,316	3/4	1,700	3/4		3/4		3/4		3/4		3/4	
5	169	5	554	5	939	5	1,324	5	1,708	5		5		5		5		5	
1/4	177	1/4	562	1/4	947	1/4	1,332	1/4	1,716	1/4		1/4		1/4		1/4		1/4	
1/2	185	1/2	570	1/2	955	1/2	1,340	1/2	1,724	1/2		1/2		1/2		1/2		1/2	
3/4	193	3/4	578	3/4	963	3/4	1,348	3/4	1,732	3/4		3/4		3/4		3/4		3/4	
6	201	6	587	6	971	6	1,356	6		6		6		6		6		6	
1/4	209	1/4	595	1/4	979	1/4	1,365	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	217	1/2	603	1/2	987	1/2	1,373	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	225	3/4	611	3/4	995	3/4	1,381	3/4		3/4		3/4		3/4		3/4		3/4	
7	233	7	619	7	1,003	7	1,389	7		7		7		7		7		7	
1/4	241	1/4	627	1/4	1,011	1/4	1,397	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	249	1/2	635	1/2	1,019	1/2	1,405	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	257	3/4	643	3/4	1,027	3/4	1,413	3/4		3/4		3/4		3/4		3/4		3/4	
8	265	8	651	8	1,035	8	1,421	8		8		8		8		8		8	
1/4	273	1/4	659	1/4	1,043	1/4	1,429	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	281	1/2	667	1/2	1,051	1/2	1,437	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	289	3/4	675	3/4	1,059	3/4	1,445	3/4		3/4		3/4		3/4		3/4		3/4	
9	297	9	683	9	1,067	9	1,453	9		9		9		9		9		9	
1/4	305	1/4	691	1/4	1,075	1/4	1,461	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	313	1/2	699	1/2	1,083	1/2	1,469	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	321	3/4	707	3/4	1,091	3/4	1,477	3/4		3/4		3/4		3/4		3/4		3/4	
10	329	10	715	10	1,099	10	1,485	10		10		10		10		10		10	
1/4	337	1/4	723	1/4	1,107	1/4	1,493	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	345	1/2	731	1/2	1,115	1/2	1,501	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	354	3/4	739	3/4	1,123	3/4	1,509	3/4		3/4		3/4		3/4		3/4		3/4	
11	362	11	747	11	1,132	11	1,517	11		11		11		11		11		11	
1/4	370	1/4	755	1/4	1,140	1/4	1,525	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	378	1/2	763	1/2	1,148	1/2	1,533	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	386	3/4	771	3/4	1,156	3/4	1,541	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER PIPE.

STRAPPED: 06/04/2012 CL - SW  
CALCULATED: 06/04/2012 CL  
NAME CHANGE: 07/07/2017

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2012

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



# BARGE "KIRBY 29021"

## PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

FORMERLY "SCF 1201"

GAUGE HEIGHT 5'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21	0	987	0	1,954	0	2,920	0	3,886	0		0		0		0		0	
1/4	41	1/4	1,007	1/4	1,974	1/4	2,940	1/4	3,906	1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	1,027	1/2	1,994	1/2	2,960	1/2	3,926	1/2		1/2		1/2		1/2		1/2	
3/4	81	3/4	1,048	3/4	2,014	3/4	2,980	3/4	3,946	3/4		3/4		3/4		3/4		3/4	
1	101	1	1,068	1	2,034	1	3,000	1	3,967	1		1		1		1		1	
1/4	122	1/4	1,088	1/4	2,054	1/4	3,020	1/4	3,987	1/4		1/4		1/4		1/4		1/4	
1/2	142	1/2	1,108	1/2	2,074	1/2	3,040	1/2	4,007	1/2		1/2		1/2		1/2		1/2	
3/4	162	3/4	1,128	3/4	2,094	3/4	3,061	3/4	4,027	3/4		3/4		3/4		3/4		3/4	
2	182	2	1,148	2	2,115	2	3,081	2	4,047	2		2		2		2		2	
1/4	202	1/4	1,168	1/4	2,135	1/4	3,101	1/4	4,067	1/4		1/4		1/4		1/4		1/4	
1/2	222	1/2	1,189	1/2	2,155	1/2	3,121	1/2	4,087	1/2		1/2		1/2		1/2		1/2	
3/4	242	3/4	1,209	3/4	2,175	3/4	3,141	3/4	4,107	3/4		3/4		3/4		3/4		3/4	
3	262	3	1,229	3	2,195	3	3,161	3	4,128	3		3		3		3		3	
1/4	283	1/4	1,249	1/4	2,215	1/4	3,181	1/4	4,148	1/4		1/4		1/4		1/4		1/4	
1/2	303	1/2	1,269	1/2	2,235	1/2	3,201	1/2	4,168	1/2		1/2		1/2		1/2		1/2	
3/4	323	3/4	1,289	3/4	2,256	3/4	3,222	3/4	4,188	3/4		3/4		3/4		3/4		3/4	
4	343	4	1,309	4	2,276	4	3,242	4	4,208	4		4		4		4		4	
1/4	363	1/4	1,329	1/4	2,296	1/4	3,262	1/4	4,226	1/4		1/4		1/4		1/4		1/4	
1/2	383	1/2	1,350	1/2	2,316	1/2	3,282	1/2	4,243	1/2		1/2		1/2		1/2		1/2	
3/4	403	3/4	1,370	3/4	2,336	3/4	3,302	3/4	4,261	3/4		3/4		3/4		3/4		3/4	
5	423	5	1,390	5	2,356	5	3,322	5	4,278	5		5		5		5		5	
1/4	444	1/4	1,410	1/4	2,376	1/4	3,342	1/4	4,289	1/4		1/4		1/4		1/4		1/4	
1/2	464	1/2	1,430	1/2	2,396	1/2	3,363	1/2	4,299	1/2		1/2		1/2		1/2		1/2	
3/4	484	3/4	1,450	3/4	2,417	3/4	3,383	3/4	4,309	3/4		3/4		3/4		3/4		3/4	
6	504	6	1,470	6	2,437	6	3,403	6		6		6		6		6		6	
1/4	524	1/4	1,491	1/4	2,457	1/4	3,423	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	544	1/2	1,511	1/2	2,477	1/2	3,443	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	564	3/4	1,531	3/4	2,497	3/4	3,463	3/4		3/4		3/4		3/4		3/4		3/4	
7	585	7	1,551	7	2,517	7	3,483	7		7		7		7		7		7	
1/4	605	1/4	1,571	1/4	2,537	1/4	3,503	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	625	1/2	1,591	1/2	2,557	1/2	3,524	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	645	3/4	1,611	3/4	2,578	3/4	3,544	3/4		3/4		3/4		3/4		3/4		3/4	
8	665	8	1,631	8	2,598	8	3,564	8		8		8		8		8		8	
1/4	685	1/4	1,652	1/4	2,618	1/4	3,584	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	705	1/2	1,672	1/2	2,638	1/2	3,604	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	725	3/4	1,692	3/4	2,658	3/4	3,624	3/4		3/4		3/4		3/4		3/4		3/4	
9	746	9	1,712	9	2,678	9	3,644	9		9		9		9		9		9	
1/4	766	1/4	1,732	1/4	2,698	1/4	3,665	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	786	1/2	1,752	1/2	2,718	1/2	3,685	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	806	3/4	1,772	3/4	2,738	3/4	3,705	3/4		3/4		3/4		3/4		3/4		3/4	
10	826	10	1,792	10	2,759	10	3,725	10		10		10		10		10		10	
1/4	846	1/4	1,813	1/4	2,779	1/4	3,745	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	866	1/2	1,833	1/2	2,799	1/2	3,765	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	887	3/4	1,853	3/4	2,819	3/4	3,785	3/4		3/4		3/4		3/4		3/4		3/4	
11	907	11	1,873	11	2,839	11	3,805	11		11		11		11		11		11	
1/4	927	1/4	1,893	1/4	2,859	1/4	3,826	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	947	1/2	1,913	1/2	2,879	1/2	3,846	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	967	3/4	1,933	3/4	2,899	3/4	3,866	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

STRAPPED: 06/04/2012 CL - SW  
CALCULATED: 06/04/2012 CL  
NAME CHANGE: 07/07/2017

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2012



# BARGE "KIRBY 29021"

## STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

FORMERLY "SCF 1201"

GAUGE HEIGHT 5'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21	0	987	0	1,954	0	2,920	0	3,886	0		0		0		0		0	
1/4	41	1/4	1,007	1/4	1,974	1/4	2,940	1/4	3,906	1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	1,027	1/2	1,994	1/2	2,960	1/2	3,926	1/2		1/2		1/2		1/2		1/2	
3/4	81	3/4	1,048	3/4	2,014	3/4	2,980	3/4	3,946	3/4		3/4		3/4		3/4		3/4	
1	101	1	1,068	1	2,034	1	3,000	1	3,967	1		1		1		1		1	
1/4	122	1/4	1,088	1/4	2,054	1/4	3,020	1/4	3,987	1/4		1/4		1/4		1/4		1/4	
1/2	142	1/2	1,108	1/2	2,074	1/2	3,040	1/2	4,007	1/2		1/2		1/2		1/2		1/2	
3/4	162	3/4	1,128	3/4	2,094	3/4	3,061	3/4	4,027	3/4		3/4		3/4		3/4		3/4	
2	182	2	1,148	2	2,115	2	3,081	2	4,047	2		2		2		2		2	
1/4	202	1/4	1,168	1/4	2,135	1/4	3,101	1/4	4,067	1/4		1/4		1/4		1/4		1/4	
1/2	222	1/2	1,189	1/2	2,155	1/2	3,121	1/2	4,087	1/2		1/2		1/2		1/2		1/2	
3/4	242	3/4	1,209	3/4	2,175	3/4	3,141	3/4	4,107	3/4		3/4		3/4		3/4		3/4	
3	262	3	1,229	3	2,195	3	3,161	3	4,128	3		3		3		3		3	
1/4	283	1/4	1,249	1/4	2,215	1/4	3,181	1/4	4,148	1/4		1/4		1/4		1/4		1/4	
1/2	303	1/2	1,269	1/2	2,235	1/2	3,201	1/2	4,168	1/2		1/2		1/2		1/2		1/2	
3/4	323	3/4	1,289	3/4	2,256	3/4	3,222	3/4	4,188	3/4		3/4		3/4		3/4		3/4	
4	343	4	1,309	4	2,276	4	3,242	4	4,208	4		4		4		4		4	
1/4	363	1/4	1,329	1/4	2,296	1/4	3,262	1/4	4,226	1/4		1/4		1/4		1/4		1/4	
1/2	383	1/2	1,350	1/2	2,316	1/2	3,282	1/2	4,243	1/2		1/2		1/2		1/2		1/2	
3/4	403	3/4	1,370	3/4	2,336	3/4	3,302	3/4	4,261	3/4		3/4		3/4		3/4		3/4	
5	423	5	1,390	5	2,356	5	3,322	5	4,278	5		5		5		5		5	
1/4	444	1/4	1,410	1/4	2,376	1/4	3,342	1/4	4,289	1/4		1/4		1/4		1/4		1/4	
1/2	464	1/2	1,430	1/2	2,396	1/2	3,363	1/2	4,299	1/2		1/2		1/2		1/2		1/2	
3/4	484	3/4	1,450	3/4	2,417	3/4	3,383	3/4	4,309	3/4		3/4		3/4		3/4		3/4	
6	504	6	1,470	6	2,437	6	3,403	6		6		6		6		6		6	
1/4	524	1/4	1,491	1/4	2,457	1/4	3,423	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	544	1/2	1,511	1/2	2,477	1/2	3,443	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	564	3/4	1,531	3/4	2,497	3/4	3,463	3/4		3/4		3/4		3/4		3/4		3/4	
7	585	7	1,551	7	2,517	7	3,483	7		7		7		7		7		7	
1/4	605	1/4	1,571	1/4	2,537	1/4	3,503	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	625	1/2	1,591	1/2	2,557	1/2	3,524	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	645	3/4	1,611	3/4	2,578	3/4	3,544	3/4		3/4		3/4		3/4		3/4		3/4	
8	665	8	1,631	8	2,598	8	3,564	8		8		8		8		8		8	
1/4	685	1/4	1,652	1/4	2,618	1/4	3,584	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	705	1/2	1,672	1/2	2,638	1/2	3,604	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	725	3/4	1,692	3/4	2,658	3/4	3,624	3/4		3/4		3/4		3/4		3/4		3/4	
9	746	9	1,712	9	2,678	9	3,644	9		9		9		9		9		9	
1/4	766	1/4	1,732	1/4	2,698	1/4	3,665	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	786	1/2	1,752	1/2	2,718	1/2	3,685	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	806	3/4	1,772	3/4	2,738	3/4	3,705	3/4		3/4		3/4		3/4		3/4		3/4	
10	826	10	1,792	10	2,759	10	3,725	10		10		10		10		10		10	
1/4	846	1/4	1,813	1/4	2,779	1/4	3,745	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	866	1/2	1,833	1/2	2,799	1/2	3,765	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	887	3/4	1,853	3/4	2,819	3/4	3,785	3/4		3/4		3/4		3/4		3/4		3/4	
11	907	11	1,873	11	2,839	11	3,805	11		11		11		11		11		11	
1/4	927	1/4	1,893	1/4	2,859	1/4	3,826	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	947	1/2	1,913	1/2	2,879	1/2	3,846	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	967	3/4	1,933	3/4	2,899	3/4	3,866	3/4		3/4		3/4		3/4		3/4		3/4	

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