



# BARGE "KIRBY 27773"

## INNAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

LENGTH BETWEEN DRAFT MARKS: 254'-09"

November 22, 2021

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 5 PORT IS - 00-1/8"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 5 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"



# BARGE "KIRBY 27773"

## INNAGE TRIM TABLE

	7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
2 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
3 PORT	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-3/8
3 STBD	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-3/8
4 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
4 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
5 PORT	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2
5 STBD	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2	00-1/2	- 00-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

LENGTH BETWEEN DRAFT MARKS: 254'-09"

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THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 5 PORT IS - 00-1/8"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 5 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"



# BARGE "KIRBY 27773"

## 1 PORT INNAGE TABLE

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

GAUGE HEIGHT 15'-08 3/4"

IN	0 FT.	IN	0 FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0	13.51	6	104.89	0	201.58	6	298.27	0	395.13	6	491.98	0	588.84	6	685.69	0	782.55	6	879.40
1/8	15.02	1/8	106.91	1/8	203.59	1/8	300.29	1/8	397.15	1/8	494.00	1/8	590.85	1/8	687.71	1/8	784.56	1/8	881.42
1/4	16.53	1/4	108.92	1/4	205.60	1/4	302.31	1/4	399.16	1/4	496.02	1/4	592.87	1/4	689.73	1/4	786.58	1/4	883.44
3/8	18.04	3/8	110.94	3/8	207.61	3/8	304.33	3/8	401.18	3/8	498.04	3/8	594.89	3/8	691.74	3/8	788.60	3/8	885.45
1/2	19.56	1/2	112.96	1/2	209.63	1/2	306.34	1/2	403.20	1/2	500.05	1/2	596.91	1/2	693.76	1/2	790.62	1/2	887.47
5/8	21.07	5/8	114.97	5/8	211.64	5/8	308.36	5/8	405.22	5/8	502.07	5/8	598.93	5/8	695.78	5/8	792.63	5/8	889.49
3/4	22.58	3/4	116.99	3/4	213.65	3/4	310.38	3/4	407.23	3/4	504.09	3/4	600.94	3/4	697.80	3/4	794.65	3/4	891.51
7/8	24.09	7/8	119.01	7/8	215.67	7/8	312.40	7/8	409.25	7/8	506.11	7/8	602.96	7/8	699.82	7/8	796.67	7/8	893.52
1	25.61	7	121.02	1	217.68	7	314.42	1	411.27	7	508.12	1	604.98	7	701.83	1	798.69	7	895.54
1/8	27.48	1/8	123.04	1/8	219.69	1/8	316.43	1/8	413.29	1/8	510.14	1/8	607.00	1/8	703.85	1/8	800.71	1/8	897.56
1/4	29.36	1/4	125.06	1/4	221.70	1/4	318.45	1/4	415.31	1/4	512.16	1/4	609.01	1/4	705.87	1/4	802.72	1/4	899.58
3/8	31.24	3/8	127.07	3/8	223.72	3/8	320.47	3/8	417.32	3/8	514.18	3/8	611.03	3/8	707.89	3/8	804.74	3/8	901.60
1/2	33.12	1/2	129.09	1/2	225.73	1/2	322.49	1/2	419.34	1/2	516.20	1/2	613.05	1/2	709.90	1/2	806.76	1/2	903.61
5/8	35.00	5/8	131.11	5/8	227.74	5/8	324.51	5/8	421.36	5/8	518.21	5/8	615.07	5/8	711.92	5/8	808.78	5/8	905.63
3/4	36.88	3/4	133.12	3/4	229.76	3/4	326.52	3/4	423.38	3/4	520.23	3/4	617.09	3/4	713.94	3/4	810.79	3/4	907.65
7/8	38.75	7/8	135.14	7/8	231.77	7/8	328.54	7/8	425.40	7/8	522.25	7/8	619.10	7/8	715.96	7/8	812.81	7/8	909.67
2	40.63	8	137.16	2	233.78	8	330.56	2	427.41	8	524.27	2	621.12	8	717.98	2	814.83	8	911.68
1/8	42.63	1/8	139.17	1/8	235.79	1/8	332.58	1/8	429.43	1/8	526.29	1/8	623.14	1/8	719.99	1/8	816.85	1/8	913.70
1/4	44.63	1/4	141.18	1/4	237.81	1/4	334.59	1/4	431.45	1/4	528.30	1/4	625.16	1/4	722.01	1/4	818.87	1/4	915.72
3/8	46.63	3/8	143.20	3/8	239.82	3/8	336.61	3/8	433.47	3/8	530.32	3/8	627.18	3/8	724.03	3/8	820.88	3/8	917.74
1/2	48.62	1/2	145.21	1/2	241.83	1/2	338.63	1/2	435.48	1/2	532.34	1/2	629.19	1/2	726.05	1/2	822.90	1/2	919.76
5/8	50.62	5/8	147.23	5/8	243.84	5/8	340.65	5/8	437.50	5/8	534.36	5/8	631.21	5/8	728.06	5/8	824.92	5/8	921.77
3/4	52.62	3/4	149.24	3/4	245.86	3/4	342.67	3/4	439.52	3/4	536.37	3/4	633.23	3/4	730.08	3/4	826.94	3/4	923.79
7/8	54.62	7/8	151.25	7/8	247.87	7/8	344.68	7/8	441.54	7/8	538.39	7/8	635.25	7/8	732.10	7/8	828.95	7/8	925.81
3	56.62	9	153.27	3	249.88	9	346.70	3	443.56	9	540.41	3	637.26	9	734.12	3	830.97	9	927.83
1/8	58.62	1/8	155.28	1/8	251.90	1/8	348.72	1/8	445.57	1/8	542.43	1/8	639.28	1/8	736.14	1/8	832.99	1/8	929.84
1/4	60.63	1/4	157.29	1/4	253.91	1/4	350.74	1/4	447.59	1/4	544.45	1/4	641.30	1/4	738.15	1/4	835.01	1/4	931.86
3/8	62.64	3/8	159.31	3/8	255.93	3/8	352.75	3/8	449.61	3/8	546.46	3/8	643.32	3/8	740.17	3/8	837.03	3/8	933.88
1/2	64.64	1/2	161.32	1/2	257.94	1/2	354.77	1/2	451.63	1/2	548.48	1/2	645.34	1/2	742.19	1/2	839.04	1/2	935.90
5/8	66.65	5/8	163.33	5/8	259.96	5/8	356.79	5/8	453.64	5/8	550.50	5/8	647.35	5/8	744.21	5/8	841.06	5/8	937.92
3/4	68.66	3/4	165.35	3/4	261.97	3/4	358.81	3/4	455.66	3/4	552.52	3/4	649.37	3/4	746.23	3/4	843.08	3/4	939.93
7/8	70.66	7/8	167.36	7/8	263.98	7/8	360.83	7/8	457.68	7/8	554.53	7/8	651.39	7/8	748.24	7/8	845.10	7/8	941.95
4	72.67	10	169.37	4	266.00	10	362.84	4	459.70	10	556.55	4	653.41	10	750.26	4	847.12	10	943.97
1/8	74.68	1/8	171.38	1/8	268.02	1/8	364.86	1/8	461.72	1/8	558.57	1/8	655.42	1/8	752.28	1/8	849.13	1/8	945.99
1/4	76.70	1/4	173.40	1/4	270.03	1/4	366.88	1/4	463.73	1/4	560.59	1/4	657.44	1/4	754.30	1/4	851.15	1/4	948.01
3/8	78.71	3/8	175.41	3/8	272.05	3/8	368.90	3/8	465.75	3/8	562.61	3/8	659.46	3/8	756.31	3/8	853.17	3/8	950.02
1/2	80.72	1/2	177.42	1/2	274.07	1/2	370.91	1/2	467.77	1/2	564.62	1/2	661.48	1/2	758.33	1/2	855.19	1/2	952.04
5/8	82.73	5/8	179.44	5/8	276.08	5/8	372.93	5/8	469.79	5/8	566.64	5/8	663.50	5/8	760.35	5/8	857.20	5/8	954.06
3/4	84.74	3/4	181.45	3/4	278.10	3/4	374.95	3/4	471.80	3/4	568.66	3/4	665.51	3/4	762.37	3/4	859.22	3/4	956.08
7/8	86.76	7/8	183.46	7/8	280.11	7/8	376.97	7/8	473.82	7/8	570.68	7/8	667.53	7/8	764.39	7/8	861.24	7/8	958.09
5	88.77	11	185.47	5	282.13	11	378.99	5	475.84	11	572.69	5	669.55	11	766.40	5	863.26	11	960.11
1/8	90.78	1/8	187.49	1/8	284.15	1/8	381.00	1/8	477.86	1/8	574.71	1/8	671.57	1/8	768.42	1/8	865.28	1/8	962.13
1/4	92.80	1/4	189.50	1/4	286.17	1/4	383.02	1/4	479.88	1/4	576.73	1/4	673.58	1/4	770.44	1/4	867.29	1/4	964.15
3/8	94.81	3/8	191.51	3/8	288.18	3/8	385.04	3/8	481.89	3/8	578.75	3/8	675.60	3/8	772.46	3/8	869.31	3/8	966.17
1/2	96.83	1/2	193.52	1/2	290.20	1/2	387.06	1/2	483.91	1/2	580.77	1/2	677.62	1/2	774.47	1/2	871.33	1/2	968.18
5/8	98.84	5/8	195.54	5/8	292.22	5/8	389.07	5/8	485.93	5/8	582.78	5/8	679.64	5/8	776.49	5/8	873.35	5/8	970.20
3/4	100.86	3/4	197.55	3/4	294.24	3/4	391.09	3/4	487.95	3/4	584.80	3/4	681.66	3/4	778.51	3/4	875.36	3/4	972.22
7/8	102.87	7/8	199.56	7/8	296.26	7/8	393.11	7/8	489.96	7/8	586.82	7/8	683.67	7/8	780.53	7/8	877.38	7/8	974.24

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 AT 2" DIAMETER STANDPIPE

GAUGE POINT: (MANUAL) LOCATED 11'-10" OFF CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT

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## 1 PORT INNAGE TABLE

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

GAUGE HEIGHT 15'-08 3/4"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	976.25	6	1,073.11	0	1,169.96	6	1,266.82	0	1,363.67	6	1,460.52	0	1,557.35	6	1,654.18	0	1,751.02	6	1,847.85
1/8	978.27	1/8	1,075.13	1/8	1,171.98	1/8	1,268.84	1/8	1,365.69	1/8	1,462.54	1/8	1,559.37	1/8	1,656.20	1/8	1,753.03	1/8	1,849.86
1/4	980.29	1/4	1,077.14	1/4	1,174.00	1/4	1,270.85	1/4	1,367.71	1/4	1,464.56	1/4	1,561.39	1/4	1,658.22	1/4	1,755.05	1/4	1,851.88
3/8	982.31	3/8	1,079.16	3/8	1,176.02	3/8	1,272.87	3/8	1,369.73	3/8	1,466.58	3/8	1,563.41	3/8	1,660.24	3/8	1,757.07	3/8	1,853.90
1/2	984.33	1/2	1,081.18	1/2	1,178.03	1/2	1,274.89	1/2	1,371.74	1/2	1,468.59	1/2	1,565.42	1/2	1,662.25	1/2	1,759.08	1/2	1,855.91
5/8	986.34	5/8	1,083.20	5/8	1,180.05	5/8	1,276.91	5/8	1,373.76	5/8	1,470.61	5/8	1,567.44	5/8	1,664.27	5/8	1,761.10	5/8	1,857.93
3/4	988.36	3/4	1,085.22	3/4	1,182.07	3/4	1,278.92	3/4	1,375.78	3/4	1,472.63	3/4	1,569.46	3/4	1,666.29	3/4	1,763.12	3/4	1,859.95
7/8	990.38	7/8	1,087.23	7/8	1,184.09	7/8	1,280.94	7/8	1,377.80	7/8	1,474.65	7/8	1,571.48	7/8	1,668.31	7/8	1,765.14	7/8	1,861.97
1	992.40	7	1,089.25	1	1,186.11	7	1,282.96	1	1,379.81	7	1,476.66	1	1,573.49	7	1,670.32	1	1,767.15	7	1,863.98
1/8	994.41	1/8	1,091.27	1/8	1,188.12	1/8	1,284.98	1/8	1,381.83	1/8	1,478.68	1/8	1,575.51	1/8	1,672.34	1/8	1,769.17	1/8	1,866.00
1/4	996.43	1/4	1,093.29	1/4	1,190.14	1/4	1,287.00	1/4	1,383.85	1/4	1,480.70	1/4	1,577.53	1/4	1,674.36	1/4	1,771.19	1/4	1,868.02
3/8	998.45	3/8	1,095.30	3/8	1,192.16	3/8	1,289.01	3/8	1,385.87	3/8	1,482.71	3/8	1,579.54	3/8	1,676.38	3/8	1,773.21	3/8	1,870.04
1/2	1,000.47	1/2	1,097.32	1/2	1,194.18	1/2	1,291.03	1/2	1,387.89	1/2	1,484.73	1/2	1,581.56	1/2	1,678.39	1/2	1,775.22	1/2	1,872.05
5/8	1,002.49	5/8	1,099.34	5/8	1,196.19	5/8	1,293.05	5/8	1,389.90	5/8	1,486.75	5/8	1,583.58	5/8	1,680.41	5/8	1,777.24	5/8	1,874.07
3/4	1,004.50	3/4	1,101.36	3/4	1,198.21	3/4	1,295.07	3/4	1,391.92	3/4	1,488.77	3/4	1,585.60	3/4	1,682.43	3/4	1,779.26	3/4	1,876.09
7/8	1,006.52	7/8	1,103.38	7/8	1,200.23	7/8	1,297.08	7/8	1,393.94	7/8	1,490.78	7/8	1,587.61	7/8	1,684.44	7/8	1,781.27	7/8	1,878.11
2	1,008.54	8	1,105.39	2	1,202.25	8	1,299.10	2	1,395.96	8	1,492.80	2	1,589.63	8	1,686.46	2	1,783.29	8	1,880.12
1/8	1,010.56	1/8	1,107.41	1/8	1,204.27	1/8	1,301.12	1/8	1,397.97	1/8	1,494.82	1/8	1,591.65	1/8	1,688.48	1/8	1,785.31	1/8	1,882.14
1/4	1,012.57	1/4	1,109.43	1/4	1,206.28	1/4	1,303.14	1/4	1,399.99	1/4	1,496.84	1/4	1,593.67	1/4	1,690.50	1/4	1,787.33	1/4	1,884.16
3/8	1,014.59	3/8	1,111.45	3/8	1,208.30	3/8	1,305.16	3/8	1,402.01	3/8	1,498.85	3/8	1,595.68	3/8	1,692.51	3/8	1,789.34	3/8	1,886.17
1/2	1,016.61	1/2	1,113.46	1/2	1,210.32	1/2	1,307.17	1/2	1,404.03	1/2	1,500.87	1/2	1,597.70	1/2	1,694.53	1/2	1,791.36	1/2	1,888.19
5/8	1,018.63	5/8	1,115.48	5/8	1,212.34	5/8	1,309.19	5/8	1,406.05	5/8	1,502.89	5/8	1,599.72	5/8	1,696.55	5/8	1,793.38	5/8	1,890.21
3/4	1,020.65	3/4	1,117.50	3/4	1,214.35	3/4	1,311.21	3/4	1,408.06	3/4	1,504.90	3/4	1,601.74	3/4	1,698.57	3/4	1,795.40	3/4	1,892.23
7/8	1,022.66	7/8	1,119.52	7/8	1,216.37	7/8	1,313.23	7/8	1,410.08	7/8	1,506.92	7/8	1,603.75	7/8	1,700.58	7/8	1,797.41	7/8	1,894.24
3	1,024.68	9	1,121.54	3	1,218.39	9	1,315.24	3	1,412.10	9	1,508.94	3	1,605.77	9	1,702.60	3	1,799.43	9	1,896.26
1/8	1,026.70	1/8	1,123.55	1/8	1,220.41	1/8	1,317.26	1/8	1,414.12	1/8	1,510.96	1/8	1,607.79	1/8	1,704.62	1/8	1,801.45	1/8	1,898.28
1/4	1,028.72	1/4	1,125.57	1/4	1,222.43	1/4	1,319.28	1/4	1,416.14	1/4	1,512.97	1/4	1,609.80	1/4	1,706.63	1/4	1,803.47	1/4	1,900.30
3/8	1,030.73	3/8	1,127.59	3/8	1,224.44	3/8	1,321.30	3/8	1,418.15	3/8	1,514.99	3/8	1,611.82	3/8	1,708.65	3/8	1,805.48	3/8	1,902.31
1/2	1,032.75	1/2	1,129.61	1/2	1,226.46	1/2	1,323.32	1/2	1,420.17	1/2	1,517.01	1/2	1,613.84	1/2	1,710.67	1/2	1,807.50	1/2	1,904.33
5/8	1,034.77	5/8	1,131.63	5/8	1,228.48	5/8	1,325.33	5/8	1,422.19	5/8	1,519.03	5/8	1,615.86	5/8	1,712.69	5/8	1,809.52	5/8	1,906.35
3/4	1,036.79	3/4	1,133.64	3/4	1,230.50	3/4	1,327.35	3/4	1,424.21	3/4	1,521.04	3/4	1,617.87	3/4	1,714.70	3/4	1,811.53	3/4	1,908.36
7/8	1,038.81	7/8	1,135.66	7/8	1,232.52	7/8	1,329.37	7/8	1,426.23	7/8	1,523.06	7/8	1,619.89	7/8	1,716.72	7/8	1,813.55	7/8	1,910.38
4	1,040.82	10	1,137.68	4	1,234.53	10	1,331.39	4	1,428.25	10	1,525.08	4	1,621.91	10	1,718.74	4	1,815.57	10	1,912.40
1/8	1,042.84	1/8	1,139.70	1/8	1,236.55	1/8	1,333.41	1/8	1,430.26	1/8	1,527.09	1/8	1,623.93	1/8	1,720.76	1/8	1,817.59	1/8	1,914.42
1/4	1,044.86	1/4	1,141.71	1/4	1,238.57	1/4	1,335.42	1/4	1,432.28	1/4	1,529.11	1/4	1,625.94	1/4	1,722.77	1/4	1,819.60	1/4	1,916.43
3/8	1,046.88	3/8	1,143.73	3/8	1,240.59	3/8	1,337.44	3/8	1,434.30	3/8	1,531.13	3/8	1,627.96	3/8	1,724.79	3/8	1,821.62	3/8	1,918.45
1/2	1,048.90	1/2	1,145.75	1/2	1,242.60	1/2	1,339.46	1/2	1,436.32	1/2	1,533.15	1/2	1,629.98	1/2	1,726.81	1/2	1,823.64	1/2	1,920.47
5/8	1,050.91	5/8	1,147.77	5/8	1,244.62	5/8	1,341.48	5/8	1,438.33	5/8	1,535.16	5/8	1,631.99	5/8	1,728.82	5/8	1,825.66	5/8	1,922.49
3/4	1,052.93	3/4	1,149.79	3/4	1,246.64	3/4	1,343.49	3/4	1,440.35	3/4	1,537.18	3/4	1,634.01	3/4	1,730.84	3/4	1,827.67	3/4	1,924.50
7/8	1,054.95	7/8	1,151.80	7/8	1,248.66	7/8	1,345.51	7/8	1,442.37	7/8	1,539.20	7/8	1,636.03	7/8	1,732.86	7/8	1,829.69	7/8	1,926.52
5	1,056.97	11	1,153.82	5	1,250.68	11	1,347.53	5	1,444.39	11	1,541.22	5	1,638.05	11	1,734.88	5	1,831.71	11	1,928.54
1/8	1,058.98	1/8	1,155.84	1/8	1,252.69	1/8	1,349.55	1/8	1,446.40	1/8	1,543.23	1/8	1,640.06	1/8	1,736.89	1/8	1,833.72	1/8	1,930.55
1/4	1,061.00	1/4	1,157.86	1/4	1,254.71	1/4	1,351.57	1/4	1,448.42	1/4	1,545.25	1/4	1,642.08	1/4	1,738.91	1/4	1,835.74	1/4	1,932.57
3/8	1,063.02	3/8	1,159.87	3/8	1,256.73	3/8	1,353.58	3/8	1,450.44	3/8	1,547.27	3/8	1,644.10	3/8	1,740.93	3/8	1,837.76	3/8	1,934.59
1/2	1,065.04	1/2	1,161.89	1/2	1,258.75	1/2	1,355.60	1/2	1,452.45	1/2	1,549.29	1/2	1,646.12	1/2	1,742.95	1/2	1,839.78	1/2	1,936.61
5/8	1,067.06	5/8	1,163.91	5/8	1,260.76	5/8	1,357.62	5/8	1,454.47	5/8	1,551.30	5/8	1,648.13	5/8	1,744.96	5/8	1,841.79	5/8	1,938.62
3/4	1,069.07	3/4	1,165.93	3/4	1,262.78	3/4	1,359.64	3/4	1,456.49	3/4	1,553.32	3/4	1,650.15	3/4	1,746.98	3/4	1,843.81	3/4	1,940.64
7/8	1,071.09	7/8	1,167.95	7/8	1,264.80	7/8	1,361.65	7/8	1,458.51	7/8	1,555.34	7/8	1,652.17	7/8	1,749.00	7/8	1,845.83	7/8	1,942.66

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 27773"

## 1 PORT INNAGE TABLE

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

GAUGE HEIGHT 15'-08 3/4"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	1,944.68	6	2,041.39	0	2,137.45	6	2,233.50	0	2,329.54	6	2,424.75	0			6			0			6
1/8	1,946.69	1/8	2,043.39	1/8	2,139.45	1/8	2,235.50	1/8	2,331.54	1/8	2,426.55	1/8			1/8			1/8			1/8
1/4	1,948.71	1/4	2,045.40	1/4	2,141.46	1/4	2,237.50	1/4	2,333.54	1/4	2,428.34	1/4			1/4			1/4			1/4
3/8	1,950.73	3/8	2,047.40	3/8	2,143.46	3/8	2,239.50	3/8	2,335.53	3/8	2,430.14	3/8			3/8			3/8			3/8
1/2	1,952.75	1/2	2,049.40	1/2	2,145.46	1/2	2,241.50	1/2	2,337.53	1/2	2,431.93	1/2			1/2			1/2			1/2
5/8	1,954.76	5/8	2,051.41	5/8	2,147.46	5/8	2,243.50	5/8	2,339.53	5/8	2,433.72	5/8			5/8			5/8			5/8
3/4	1,956.78	3/4	2,053.41	3/4	2,149.46	3/4	2,245.50	3/4	2,341.53	3/4	2,435.52	3/4			3/4			3/4			3/4
7/8	1,958.80	7/8	2,055.41	7/8	2,151.46	7/8	2,247.50	7/8	2,343.52	7/8	2,437.31	7/8			7/8			7/8			7/8
1	1,960.81	7	2,057.42	1	2,153.46	7	2,249.50	1	2,345.52	7	2,439.10	1			7			1			7
1/8	1,962.83	1/8	2,059.42	1/8	2,155.46	1/8	2,251.50	1/8	2,347.51	1/8	2,440.59	1/8			1/8			1/8			1/8
1/4	1,964.85	1/4	2,061.42	1/4	2,157.46	1/4	2,253.51	1/4	2,349.50	1/4	2,442.07	1/4			1/4			1/4			1/4
3/8	1,966.86	3/8	2,063.42	3/8	2,159.46	3/8	2,255.51	3/8	2,351.49	3/8	2,443.55	3/8			3/8			3/8			3/8
1/2	1,968.88	1/2	2,065.42	1/2	2,161.46	1/2	2,257.51	1/2	2,353.48	1/2	2,445.03	1/2			1/2			1/2			1/2
5/8	1,970.90	5/8	2,067.42	5/8	2,163.47	5/8	2,259.51	5/8	2,355.47	5/8	2,446.51	5/8			5/8			5/8			5/8
3/4	1,972.91	3/4	2,069.42	3/4	2,165.47	3/4	2,261.51	3/4	2,357.46	3/4	2,447.99	3/4			3/4			3/4			3/4
7/8	1,974.93	7/8	2,071.42	7/8	2,167.47	7/8	2,263.51	7/8	2,359.45	7/8	2,449.48	7/8			7/8			7/8			7/8
2	1,976.95	8	2,073.42	2	2,169.47	8	2,265.51	2	2,361.44	8	2,450.96	2			8			2			8
1/8	1,978.96	1/8	2,075.43	1/8	2,171.47	1/8	2,267.51	1/8	2,363.43	1/8	2,452.10	1/8			1/8			1/8			1/8
1/4	1,980.98	1/4	2,077.43	1/4	2,173.47	1/4	2,269.51	1/4	2,365.41	1/4	2,453.25	1/4			1/4			1/4			1/4
3/8	1,982.99	3/8	2,079.43	3/8	2,175.47	3/8	2,271.51	3/8	2,367.40	3/8	2,454.39	3/8			3/8			3/8			3/8
1/2	1,985.01	1/2	2,081.43	1/2	2,177.47	1/2	2,273.51	1/2	2,369.38	1/2	2,455.54	1/2			1/2			1/2			1/2
5/8	1,987.02	5/8	2,083.43	5/8	2,179.47	5/8	2,275.52	5/8	2,371.37	5/8	2,456.68	5/8			5/8			5/8			5/8
3/4	1,989.04	3/4	2,085.43	3/4	2,181.47	3/4	2,277.52	3/4	2,373.36	3/4	2,457.83	3/4			3/4			3/4			3/4
7/8	1,991.05	7/8	2,087.43	7/8	2,183.47	7/8	2,279.52	7/8	2,375.34	7/8	2,458.98	7/8			7/8			7/8			7/8
3	1,993.06	9	2,089.43	3	2,185.48	9	2,281.52	3	2,377.33	9	2,460.12	3			9			3			9
1/8	1,995.08	1/8	2,091.43	1/8	2,187.48	1/8	2,283.52	1/8	2,379.32	1/8		1/8			1/8			1/8			1/8
1/4	1,997.09	1/4	2,093.43	1/4	2,189.48	1/4	2,285.52	1/4	2,381.30	1/4		1/4			1/4			1/4			1/4
3/8	1,999.11	3/8	2,095.43	3/8	2,191.48	3/8	2,287.52	3/8	2,383.29	3/8		3/8			3/8			3/8			3/8
1/2	2,001.12	1/2	2,097.44	1/2	2,193.48	1/2	2,289.52	1/2	2,385.27	1/2		1/2			1/2			1/2			1/2
5/8	2,003.14	5/8	2,099.44	5/8	2,195.48	5/8	2,291.52	5/8	2,387.26	5/8		5/8			5/8			5/8			5/8
3/4	2,005.15	3/4	2,101.44	3/4	2,197.48	3/4	2,293.52	3/4	2,389.24	3/4		3/4			3/4			3/4			3/4
7/8	2,007.17	7/8	2,103.44	7/8	2,199.48	7/8	2,295.52	7/8	2,391.23	7/8		7/8			7/8			7/8			7/8
4	2,009.18	10	2,105.44	4	2,201.48	10	2,297.53	4	2,393.22	10		4			10			4			10
1/8	2,011.20	1/8	2,107.44	1/8	2,203.48	1/8	2,299.53	1/8	2,395.20	1/8		1/8			1/8			1/8			1/8
1/4	2,013.21	1/4	2,109.44	1/4	2,205.48	1/4	2,301.53	1/4	2,397.18	1/4		1/4			1/4			1/4			1/4
3/8	2,015.23	3/8	2,111.44	3/8	2,207.49	3/8	2,303.53	3/8	2,399.17	3/8		3/8			3/8			3/8			3/8
1/2	2,017.24	1/2	2,113.44	1/2	2,209.49	1/2	2,305.53	1/2	2,401.15	1/2		1/2			1/2			1/2			1/2
5/8	2,019.26	5/8	2,115.44	5/8	2,211.49	5/8	2,307.53	5/8	2,403.13	5/8		5/8			5/8			5/8			5/8
3/4	2,021.27	3/4	2,117.44	3/4	2,213.49	3/4	2,309.53	3/4	2,405.11	3/4		3/4			3/4			3/4			3/4
7/8	2,023.29	7/8	2,119.45	7/8	2,215.49	7/8	2,311.53	7/8	2,407.10	7/8		7/8			7/8			7/8			7/8
5	2,025.30	11	2,121.45	5	2,217.49	11	2,313.53	5	2,409.08	11		5			11			5			11
1/8	2,027.31	1/8	2,123.45	1/8	2,219.49	1/8	2,315.53	1/8	2,411.04	1/8		1/8			1/8			1/8			1/8
1/4	2,029.32	1/4	2,125.45	1/4	2,221.49	1/4	2,317.53	1/4	2,413.00	1/4		1/4			1/4			1/4			1/4
3/8	2,031.33	3/8	2,127.45	3/8	2,223.49	3/8	2,319.54	3/8	2,414.96	3/8		3/8			3/8			3/8			3/8
1/2	2,033.34	1/2	2,129.45	1/2	2,225.49	1/2	2,321.54	1/2	2,416.92	1/2		1/2			1/2			1/2			1/2
5/8	2,035.36	5/8	2,131.45	5/8	2,227.49	5/8	2,323.54	5/8	2,418.88	5/8		5/8			5/8			5/8			5/8
3/4	2,037.37	3/4	2,133.45	3/4	2,229.50	3/4	2,325.54	3/4	2,420.84	3/4		3/4			3/4			3/4			3/4
7/8	2,039.38	7/8	2,135.45	7/8	2,231.50	7/8	2,327.54	7/8	2,422.80	7/8		7/8			7/8			7/8			7/8

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CANCELS AND SUPERCEDES  
 ALL PRIOR TO 09/2009

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 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "KIRBY 27773"

## 1 STBD INNAGE TABLE

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

GAUGE HEIGHT 15'-08 3/4"

IN	0 FT.	IN	0 FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0	13.65	6	104.93	0	201.67	6	298.40	0	395.14	6	491.88	0	588.62	6	685.36	0	782.10	6	878.84
1/8	15.16	1/8	106.95	1/8	203.68	1/8	300.42	1/8	397.16	1/8	493.90	1/8	590.64	1/8	687.38	1/8	784.12	1/8	880.85
1/4	16.67	1/4	108.96	1/4	205.70	1/4	302.44	1/4	399.17	1/4	495.91	1/4	592.65	1/4	689.39	1/4	786.13	1/4	882.87
3/8	18.18	3/8	110.98	3/8	207.71	3/8	304.45	3/8	401.19	3/8	497.93	3/8	594.67	3/8	691.41	3/8	788.15	3/8	884.89
1/2	19.70	1/2	112.99	1/2	209.73	1/2	306.47	1/2	403.21	1/2	499.94	1/2	596.68	1/2	693.42	1/2	790.16	1/2	886.90
5/8	21.21	5/8	115.01	5/8	211.74	5/8	308.48	5/8	405.22	5/8	501.96	5/8	598.70	5/8	695.44	5/8	792.18	5/8	888.92
3/4	22.72	3/4	117.02	3/4	213.76	3/4	310.50	3/4	407.24	3/4	503.98	3/4	600.71	3/4	697.45	3/4	794.19	3/4	890.93
7/8	24.23	7/8	119.04	7/8	215.77	7/8	312.51	7/8	409.25	7/8	505.99	7/8	602.73	7/8	699.47	7/8	796.21	7/8	892.95
1	25.74	7	121.05	1	217.79	7	314.53	1	411.27	7	508.01	1	604.75	7	701.48	1	798.22	7	894.96
1/8	27.61	1/8	123.07	1/8	219.80	1/8	316.54	1/8	413.28	1/8	510.02	1/8	606.76	1/8	703.50	1/8	800.24	1/8	896.98
1/4	29.49	1/4	125.08	1/4	221.82	1/4	318.56	1/4	415.30	1/4	512.04	1/4	608.78	1/4	705.52	1/4	802.25	1/4	898.99
3/8	31.37	3/8	127.10	3/8	223.83	3/8	320.57	3/8	417.31	3/8	514.05	3/8	610.79	3/8	707.53	3/8	804.27	3/8	901.01
1/2	33.24	1/2	129.11	1/2	225.85	1/2	322.59	1/2	419.33	1/2	516.07	1/2	612.81	1/2	709.55	1/2	806.29	1/2	903.02
5/8	35.12	5/8	131.13	5/8	227.87	5/8	324.60	5/8	421.34	5/8	518.08	5/8	614.82	5/8	711.56	5/8	808.30	5/8	905.04
3/4	37.00	3/4	133.14	3/4	229.88	3/4	326.62	3/4	423.36	3/4	520.10	3/4	616.84	3/4	713.58	3/4	810.32	3/4	907.06
7/8	38.87	7/8	135.16	7/8	231.90	7/8	328.64	7/8	425.37	7/8	522.11	7/8	618.85	7/8	715.59	7/8	812.33	7/8	909.07
2	40.75	8	137.17	2	233.91	8	330.65	2	427.39	8	524.13	2	620.87	8	717.61	2	814.35	8	911.09
1/8	42.74	1/8	139.19	1/8	235.93	1/8	332.67	1/8	429.41	1/8	526.14	1/8	622.88	1/8	719.62	1/8	816.36	1/8	913.10
1/4	44.74	1/4	141.20	1/4	237.94	1/4	334.68	1/4	431.42	1/4	528.16	1/4	624.90	1/4	721.64	1/4	818.38	1/4	915.12
3/8	46.74	3/8	143.22	3/8	239.96	3/8	336.70	3/8	433.44	3/8	530.18	3/8	626.91	3/8	723.65	3/8	820.39	3/8	917.13
1/2	48.73	1/2	145.23	1/2	241.97	1/2	338.71	1/2	435.45	1/2	532.19	1/2	628.93	1/2	725.67	1/2	822.41	1/2	919.15
5/8	50.73	5/8	147.25	5/8	243.99	5/8	340.73	5/8	437.47	5/8	534.21	5/8	630.95	5/8	727.68	5/8	824.42	5/8	921.16
3/4	52.72	3/4	149.27	3/4	246.00	3/4	342.74	3/4	439.48	3/4	536.22	3/4	632.96	3/4	729.70	3/4	826.44	3/4	923.18
7/8	54.72	7/8	151.28	7/8	248.02	7/8	344.76	7/8	441.50	7/8	538.24	7/8	634.98	7/8	731.72	7/8	828.45	7/8	925.19
3	56.71	9	153.30	3	250.03	9	346.77	3	443.51	9	540.25	3	636.99	9	733.73	3	830.47	9	927.21
1/8	58.72	1/8	155.31	1/8	252.05	1/8	348.79	1/8	445.53	1/8	542.27	1/8	639.01	1/8	735.75	1/8	832.49	1/8	929.22
1/4	60.72	1/4	157.33	1/4	254.07	1/4	350.80	1/4	447.54	1/4	544.28	1/4	641.02	1/4	737.76	1/4	834.50	1/4	931.24
3/8	62.73	3/8	159.34	3/8	256.08	3/8	352.82	3/8	449.56	3/8	546.30	3/8	643.04	3/8	739.78	3/8	836.52	3/8	933.26
1/2	64.73	1/2	161.36	1/2	258.10	1/2	354.84	1/2	451.57	1/2	548.31	1/2	645.05	1/2	741.79	1/2	838.53	1/2	935.27
5/8	66.74	5/8	163.37	5/8	260.11	5/8	356.85	5/8	453.59	5/8	550.33	5/8	647.07	5/8	743.81	5/8	840.55	5/8	937.29
3/4	68.74	3/4	165.39	3/4	262.13	3/4	358.87	3/4	455.61	3/4	552.34	3/4	649.08	3/4	745.82	3/4	842.56	3/4	939.30
7/8	70.75	7/8	167.40	7/8	264.14	7/8	360.88	7/8	457.62	7/8	554.36	7/8	651.10	7/8	747.84	7/8	844.58	7/8	941.32
4	72.75	10	169.42	4	266.16	10	362.90	4	459.64	10	556.38	4	653.11	10	749.85	4	846.59	10	943.33
1/8	74.76	1/8	171.43	1/8	268.17	1/8	364.91	1/8	461.65	1/8	558.39	1/8	655.13	1/8	751.87	1/8	848.61	1/8	945.35
1/4	76.77	1/4	173.45	1/4	270.19	1/4	366.93	1/4	463.67	1/4	560.41	1/4	657.15	1/4	753.88	1/4	850.62	1/4	947.36
3/8	78.78	3/8	175.47	3/8	272.20	3/8	368.94	3/8	465.68	3/8	562.42	3/8	659.16	3/8	755.90	3/8	852.64	3/8	949.38
1/2	80.79	1/2	177.48	1/2	274.22	1/2	370.96	1/2	467.70	1/2	564.44	1/2	661.18	1/2	757.92	1/2	854.65	1/2	951.39
5/8	82.80	5/8	179.50	5/8	276.23	5/8	372.97	5/8	469.71	5/8	566.45	5/8	663.19	5/8	759.93	5/8	856.67	5/8	953.41
3/4	84.81	3/4	181.51	3/4	278.25	3/4	374.99	3/4	471.73	3/4	568.47	3/4	665.21	3/4	761.95	3/4	858.69	3/4	955.42
7/8	86.82	7/8	183.53	7/8	280.27	7/8	377.00	7/8	473.74	7/8	570.48	7/8	667.22	7/8	763.96	7/8	860.70	7/8	957.44
5	88.83	11	185.54	5	282.28	11	379.02	5	475.76	11	572.50	5	669.24	11	765.98	5	862.72	11	959.46
1/8	90.84	1/8	187.56	1/8	284.30	1/8	381.04	1/8	477.77	1/8	574.51	1/8	671.25	1/8	767.99	1/8	864.73	1/8	961.47
1/4	92.86	1/4	189.57	1/4	286.31	1/4	383.05	1/4	479.79	1/4	576.53	1/4	673.27	1/4	770.01	1/4	866.75	1/4	963.49
3/8	94.87	3/8	191.59	3/8	288.33	3/8	385.07	3/8	481.81	3/8	578.54	3/8	675.28	3/8	772.02	3/8	868.76	3/8	965.50
1/2	96.88	1/2	193.60	1/2	290.34	1/2	387.08	1/2	483.82	1/2	580.56	1/2	677.30	1/2	774.04	1/2	870.78	1/2	967.52
5/8	98.89	5/8	195.62	5/8	292.36	5/8	389.10	5/8	485.84	5/8	582.58	5/8	679.31	5/8	776.05	5/8	872.79	5/8	969.53
3/4	100.91	3/4	197.63	3/4	294.37	3/4	391.11	3/4	487.85	3/4	584.59	3/4	681.33	3/4	778.07	3/4	874.81	3/4	971.55
7/8	102.92	7/8	199.65	7/8	296.39	7/8	393.13	7/8	489.87	7/8	586.61	7/8	683.35	7/8	780.08	7/8	876.82	7/8	973.56

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 AT 2" DIAMETER STANDPIPE

GAUGE POINT: (MANUAL) LOCATED 11'-10" OFF CENTERLINE AND 23'-00" 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 27773"

## 1 STBD INNAGE TABLE

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

GAUGE HEIGHT 15'-08 3/4"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	975.58	6	1,072.29	0	1,169.03	6	1,265.77	0	1,362.51	6	1,459.23	0	1,555.94	6	1,652.66	0	1,749.37	6	1,846.09
1/8	977.59	1/8	1,074.30	1/8	1,171.04	1/8	1,267.78	1/8	1,364.52	1/8	1,461.24	1/8	1,557.96	1/8	1,654.67	1/8	1,751.39	1/8	1,848.10
1/4	979.60	1/4	1,076.32	1/4	1,173.06	1/4	1,269.80	1/4	1,366.54	1/4	1,463.26	1/4	1,559.97	1/4	1,656.69	1/4	1,753.40	1/4	1,850.12
3/8	981.61	3/8	1,078.33	3/8	1,175.07	3/8	1,271.81	3/8	1,368.55	3/8	1,465.27	3/8	1,561.99	3/8	1,658.70	3/8	1,755.42	3/8	1,852.13
1/2	983.63	1/2	1,080.35	1/2	1,177.09	1/2	1,273.83	1/2	1,370.57	1/2	1,467.29	1/2	1,564.00	1/2	1,660.72	1/2	1,757.43	1/2	1,854.15
5/8	985.64	5/8	1,082.37	5/8	1,179.10	5/8	1,275.84	5/8	1,372.58	5/8	1,469.30	5/8	1,566.02	5/8	1,662.73	5/8	1,759.45	5/8	1,856.16
3/4	987.65	3/4	1,084.38	3/4	1,181.12	3/4	1,277.86	3/4	1,374.60	3/4	1,471.32	3/4	1,568.03	3/4	1,664.75	3/4	1,761.46	3/4	1,858.18
7/8	989.66	7/8	1,086.40	7/8	1,183.14	7/8	1,279.87	7/8	1,376.61	7/8	1,473.33	7/8	1,570.05	7/8	1,666.76	7/8	1,763.48	7/8	1,860.19
1	991.67	7	1,088.41	1	1,185.15	7	1,281.89	1	1,378.63	7	1,475.35	1	1,572.06	7	1,668.78	1	1,765.49	7	1,862.21
1/8	993.69	1/8	1,090.43	1/8	1,187.17	1/8	1,283.91	1/8	1,380.64	1/8	1,477.36	1/8	1,574.08	1/8	1,670.79	1/8	1,767.51	1/8	1,864.22
1/4	995.70	1/4	1,092.44	1/4	1,189.18	1/4	1,285.92	1/4	1,382.66	1/4	1,479.38	1/4	1,576.09	1/4	1,672.81	1/4	1,769.52	1/4	1,866.24
3/8	997.72	3/8	1,094.46	3/8	1,191.20	3/8	1,287.94	3/8	1,384.68	3/8	1,481.39	3/8	1,578.11	3/8	1,674.82	3/8	1,771.54	3/8	1,868.25
1/2	999.73	1/2	1,096.47	1/2	1,193.21	1/2	1,289.95	1/2	1,386.69	1/2	1,483.41	1/2	1,580.12	1/2	1,676.84	1/2	1,773.55	1/2	1,870.27
5/8	1,001.75	5/8	1,098.49	5/8	1,195.23	5/8	1,291.97	5/8	1,388.71	5/8	1,485.42	5/8	1,582.14	5/8	1,678.85	5/8	1,775.57	5/8	1,872.28
3/4	1,003.76	3/4	1,100.50	3/4	1,197.24	3/4	1,293.98	3/4	1,390.72	3/4	1,487.44	3/4	1,584.15	3/4	1,680.87	3/4	1,777.58	3/4	1,874.30
7/8	1,005.78	7/8	1,102.52	7/8	1,199.26	7/8	1,296.00	7/8	1,392.74	7/8	1,489.45	7/8	1,586.17	7/8	1,682.88	7/8	1,779.60	7/8	1,876.31
2	1,007.80	8	1,104.53	2	1,201.27	8	1,298.01	2	1,394.75	8	1,491.47	2	1,588.18	8	1,684.90	2	1,781.61	8	1,878.33
1/8	1,009.81	1/8	1,106.55	1/8	1,203.29	1/8	1,300.03	1/8	1,396.77	1/8	1,493.48	1/8	1,590.20	1/8	1,686.91	1/8	1,783.63	1/8	1,880.34
1/4	1,011.83	1/4	1,108.57	1/4	1,205.30	1/4	1,302.04	1/4	1,398.78	1/4	1,495.49	1/4	1,592.21	1/4	1,688.93	1/4	1,785.64	1/4	1,882.36
3/8	1,013.84	3/8	1,110.58	3/8	1,207.32	3/8	1,304.06	3/8	1,400.80	3/8	1,497.51	3/8	1,594.22	3/8	1,690.94	3/8	1,787.66	3/8	1,884.37
1/2	1,015.86	1/2	1,112.60	1/2	1,209.34	1/2	1,306.07	1/2	1,402.81	1/2	1,499.52	1/2	1,596.24	1/2	1,692.95	1/2	1,789.67	1/2	1,886.39
5/8	1,017.87	5/8	1,114.61	5/8	1,211.35	5/8	1,308.09	5/8	1,404.83	5/8	1,501.54	5/8	1,598.25	5/8	1,694.97	5/8	1,791.69	5/8	1,888.40
3/4	1,019.89	3/4	1,116.63	3/4	1,213.37	3/4	1,310.11	3/4	1,406.84	3/4	1,503.55	3/4	1,600.27	3/4	1,696.98	3/4	1,793.70	3/4	1,890.42
7/8	1,021.90	7/8	1,118.64	7/8	1,215.38	7/8	1,312.12	7/8	1,408.86	7/8	1,505.57	7/8	1,602.28	7/8	1,699.00	7/8	1,795.71	7/8	1,892.43
3	1,023.92	9	1,120.66	3	1,217.40	9	1,314.14	3	1,410.88	9	1,507.58	3	1,604.30	9	1,701.01	3	1,797.73	9	1,894.44
1/8	1,025.93	1/8	1,122.67	1/8	1,219.41	1/8	1,316.15	1/8	1,412.89	1/8	1,509.60	1/8	1,606.31	1/8	1,703.03	1/8	1,799.74	1/8	1,896.46
1/4	1,027.95	1/4	1,124.69	1/4	1,221.43	1/4	1,318.17	1/4	1,414.90	1/4	1,511.61	1/4	1,608.33	1/4	1,705.04	1/4	1,801.76	1/4	1,898.47
3/8	1,029.96	3/8	1,126.70	3/8	1,223.44	3/8	1,320.18	3/8	1,416.92	3/8	1,513.63	3/8	1,610.34	3/8	1,707.06	3/8	1,803.77	3/8	1,900.49
1/2	1,031.98	1/2	1,128.72	1/2	1,225.46	1/2	1,322.20	1/2	1,418.93	1/2	1,515.64	1/2	1,612.36	1/2	1,709.07	1/2	1,805.79	1/2	1,902.50
5/8	1,034.00	5/8	1,130.73	5/8	1,227.47	5/8	1,324.21	5/8	1,420.95	5/8	1,517.66	5/8	1,614.37	5/8	1,711.09	5/8	1,807.80	5/8	1,904.52
3/4	1,036.01	3/4	1,132.75	3/4	1,229.49	3/4	1,326.23	3/4	1,422.96	3/4	1,519.67	3/4	1,616.39	3/4	1,713.10	3/4	1,809.82	3/4	1,906.53
7/8	1,038.03	7/8	1,134.77	7/8	1,231.50	7/8	1,328.24	7/8	1,424.97	7/8	1,521.69	7/8	1,618.40	7/8	1,715.12	7/8	1,811.83	7/8	1,908.55
4	1,040.04	10	1,136.78	4	1,233.52	10	1,330.26	4	1,426.99	10	1,523.70	4	1,620.42	10	1,717.13	4	1,813.85	10	1,910.56
1/8	1,042.06	1/8	1,138.80	1/8	1,235.54	1/8	1,332.27	1/8	1,429.00	1/8	1,525.72	1/8	1,622.43	1/8	1,719.15	1/8	1,815.86	1/8	1,912.58
1/4	1,044.07	1/4	1,140.81	1/4	1,237.55	1/4	1,334.29	1/4	1,431.02	1/4	1,527.73	1/4	1,624.45	1/4	1,721.16	1/4	1,817.88	1/4	1,914.59
3/8	1,046.09	3/8	1,142.83	3/8	1,239.57	3/8	1,336.31	3/8	1,433.03	3/8	1,529.75	3/8	1,626.46	3/8	1,723.18	3/8	1,819.89	3/8	1,916.61
1/2	1,048.10	1/2	1,144.84	1/2	1,241.58	1/2	1,338.32	1/2	1,435.05	1/2	1,531.76	1/2	1,628.48	1/2	1,725.19	1/2	1,821.91	1/2	1,918.62
5/8	1,050.12	5/8	1,146.86	5/8	1,243.60	5/8	1,340.34	5/8	1,437.06	5/8	1,533.78	5/8	1,630.49	5/8	1,727.21	5/8	1,823.92	5/8	1,920.64
3/4	1,052.13	3/4	1,148.87	3/4	1,245.61	3/4	1,342.35	3/4	1,439.08	3/4	1,535.79	3/4	1,632.51	3/4	1,729.22	3/4	1,825.94	3/4	1,922.65
7/8	1,054.15	7/8	1,150.89	7/8	1,247.63	7/8	1,344.37	7/8	1,441.09	7/8	1,537.81	7/8	1,634.52	7/8	1,731.24	7/8	1,827.95	7/8	1,924.67
5	1,056.17	11	1,152.90	5	1,249.64	11	1,346.38	5	1,443.11	11	1,539.82	5	1,636.54	11	1,733.25	5	1,829.97	11	1,926.68
1/8	1,058.18	1/8	1,154.92	1/8	1,251.66	1/8	1,348.40	1/8	1,445.12	1/8	1,541.84	1/8	1,638.55	1/8	1,735.27	1/8	1,831.98	1/8	1,928.70
1/4	1,060.20	1/4	1,156.94	1/4	1,253.67	1/4	1,350.41	1/4	1,447.14	1/4	1,543.85	1/4	1,640.57	1/4	1,737.28	1/4	1,834.00	1/4	1,930.71
3/8	1,062.21	3/8	1,158.95	3/8	1,255.69	3/8	1,352.43	3/8	1,449.15	3/8	1,545.87	3/8	1,642.58	3/8	1,739.30	3/8	1,836.01	3/8	1,932.73
1/2	1,064.23	1/2	1,160.97	1/2	1,257.71	1/2	1,354.44	1/2	1,451.17	1/2	1,547.88	1/2	1,644.60	1/2	1,741.31	1/2	1,838.03	1/2	1,934.74
5/8	1,066.24	5/8	1,162.98	5/8	1,259.72	5/8	1,356.46	5/8	1,453.18	5/8	1,549.90	5/8	1,646.61	5/8	1,743.33	5/8	1,840.04	5/8	1,936.76
3/4	1,068.26	3/4	1,165.00	3/4	1,261.74	3/4	1,358.48	3/4	1,455.20	3/4	1,551.91	3/4	1,648.63	3/4	1,745.34	3/4	1,842.06	3/4	1,938.77
7/8	1,070.27	7/8	1,167.01	7/8	1,263.75	7/8	1,360.49	7/8	1,457.21	7/8	1,553.93	7/8	1,650.64	7/8	1,747.36	7/8	1,844.07	7/8	1,940.79

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 27773"

## 1 STBD INNAGE TABLE

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

GAUGE HEIGHT 15'-08 3/4"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	1,942.80	6	2,039.38	0	2,135.33	6	2,231.26	0	2,327.19	6	2,422.28	0		6		0		6	
1/8	1,944.82	1/8	2,041.39	1/8	2,137.33	1/8	2,233.26	1/8	2,329.19	1/8	2,424.07	1/8		1/8		1/8		1/8	
1/4	1,946.83	1/4	2,043.39	1/4	2,139.33	1/4	2,235.26	1/4	2,331.18	1/4	2,425.86	1/4		1/4		1/4		1/4	
3/8	1,948.85	3/8	2,045.39	3/8	2,141.33	3/8	2,237.26	3/8	2,333.17	3/8	2,427.65	3/8		3/8		3/8		3/8	
1/2	1,950.86	1/2	2,047.39	1/2	2,143.33	1/2	2,239.26	1/2	2,335.17	1/2	2,429.44	1/2		1/2		1/2		1/2	
5/8	1,952.88	5/8	2,049.39	5/8	2,145.33	5/8	2,241.26	5/8	2,337.16	5/8	2,431.23	5/8		5/8		5/8		5/8	
3/4	1,954.89	3/4	2,051.39	3/4	2,147.33	3/4	2,243.25	3/4	2,339.16	3/4	2,433.02	3/4		3/4		3/4		3/4	
7/8	1,956.91	7/8	2,053.39	7/8	2,149.32	7/8	2,245.25	7/8	2,341.15	7/8	2,434.82	7/8		7/8		7/8		7/8	
1	1,958.92	7	2,055.39	1	2,151.32	7	2,247.25	1	2,343.15	7	2,436.61	1		7		1		7	
1/8	1,960.93	1/8	2,057.39	1/8	2,153.32	1/8	2,249.25	1/8	2,345.13	1/8	2,438.09	1/8		1/8		1/8		1/8	
1/4	1,962.95	1/4	2,059.39	1/4	2,155.32	1/4	2,251.25	1/4	2,347.12	1/4	2,439.57	1/4		1/4		1/4		1/4	
3/8	1,964.96	3/8	2,061.39	3/8	2,157.32	3/8	2,253.25	3/8	2,349.11	3/8	2,441.05	3/8		3/8		3/8		3/8	
1/2	1,966.97	1/2	2,063.39	1/2	2,159.32	1/2	2,255.24	1/2	2,351.10	1/2	2,442.53	1/2		1/2		1/2		1/2	
5/8	1,968.98	5/8	2,065.39	5/8	2,161.32	5/8	2,257.24	5/8	2,353.08	5/8	2,444.01	5/8		5/8		5/8		5/8	
3/4	1,971.00	3/4	2,067.39	3/4	2,163.31	3/4	2,259.24	3/4	2,355.07	3/4	2,445.49	3/4		3/4		3/4		3/4	
7/8	1,973.01	7/8	2,069.38	7/8	2,165.31	7/8	2,261.24	7/8	2,357.06	7/8	2,446.97	7/8		7/8		7/8		7/8	
2	1,975.02	8	2,071.38	2	2,167.31	8	2,263.24	2	2,359.05	8	2,448.45	2		8		2		8	
1/8	1,977.03	1/8	2,073.38	1/8	2,169.31	1/8	2,265.24	1/8	2,361.03	1/8	2,449.59	1/8		1/8		1/8		1/8	
1/4	1,979.05	1/4	2,075.38	1/4	2,171.31	1/4	2,267.24	1/4	2,363.01	1/4	2,450.73	1/4		1/4		1/4		1/4	
3/8	1,981.06	3/8	2,077.38	3/8	2,173.31	3/8	2,269.23	3/8	2,365.00	3/8	2,451.88	3/8		3/8		3/8		3/8	
1/2	1,983.07	1/2	2,079.38	1/2	2,175.30	1/2	2,271.23	1/2	2,366.98	1/2	2,453.02	1/2		1/2		1/2		1/2	
5/8	1,985.08	5/8	2,081.38	5/8	2,177.30	5/8	2,273.23	5/8	2,368.96	5/8	2,454.17	5/8		5/8		5/8		5/8	
3/4	1,987.10	3/4	2,083.37	3/4	2,179.30	3/4	2,275.23	3/4	2,370.95	3/4	2,455.31	3/4		3/4		3/4		3/4	
7/8	1,989.11	7/8	2,085.37	7/8	2,181.30	7/8	2,277.23	7/8	2,372.93	7/8	2,456.45	7/8		7/8		7/8		7/8	
3	1,991.12	9	2,087.37	3	2,183.30	9	2,279.23	3	2,374.91	9	2,457.60	3		9		3		9	
1/8	1,993.13	1/8	2,089.37	1/8	2,185.30	1/8	2,281.23	1/8	2,376.90	1/8		1/8		1/8		1/8		1/8	
1/4	1,995.14	1/4	2,091.37	1/4	2,187.30	1/4	2,283.22	1/4	2,378.88	1/4		1/4		1/4		1/4		1/4	
3/8	1,997.16	3/8	2,093.37	3/8	2,189.29	3/8	2,285.22	3/8	2,380.86	3/8		3/8		3/8		3/8		3/8	
1/2	1,999.17	1/2	2,095.36	1/2	2,191.29	1/2	2,287.22	1/2	2,382.85	1/2		1/2		1/2		1/2		1/2	
5/8	2,001.18	5/8	2,097.36	5/8	2,193.29	5/8	2,289.22	5/8	2,384.83	5/8		5/8		5/8		5/8		5/8	
3/4	2,003.19	3/4	2,099.36	3/4	2,195.29	3/4	2,291.22	3/4	2,386.81	3/4		3/4		3/4		3/4		3/4	
7/8	2,005.21	7/8	2,101.36	7/8	2,197.29	7/8	2,293.22	7/8	2,388.80	7/8		7/8		7/8		7/8		7/8	
4	2,007.22	10	2,103.36	4	2,199.29	10	2,295.21	4	2,390.78	10		4		10		4		10	
1/8	2,009.23	1/8	2,105.36	1/8	2,201.29	1/8	2,297.21	1/8	2,392.76	1/8		1/8		1/8		1/8		1/8	
1/4	2,011.24	1/4	2,107.36	1/4	2,203.28	1/4	2,299.21	1/4	2,394.74	1/4		1/4		1/4		1/4		1/4	
3/8	2,013.26	3/8	2,109.35	3/8	2,205.28	3/8	2,301.21	3/8	2,396.72	3/8		3/8		3/8		3/8		3/8	
1/2	2,015.27	1/2	2,111.35	1/2	2,207.28	1/2	2,303.21	1/2	2,398.70	1/2		1/2		1/2		1/2		1/2	
5/8	2,017.28	5/8	2,113.35	5/8	2,209.28	5/8	2,305.21	5/8	2,400.68	5/8		5/8		5/8		5/8		5/8	
3/4	2,019.29	3/4	2,115.35	3/4	2,211.28	3/4	2,307.21	3/4	2,402.66	3/4		3/4		3/4		3/4		3/4	
7/8	2,021.31	7/8	2,117.35	7/8	2,213.28	7/8	2,309.20	7/8	2,404.64	7/8		7/8		7/8		7/8		7/8	
5	2,023.32	11	2,119.35	5	2,215.27	11	2,311.20	5	2,406.62	11		5		11		5		11	
1/8	2,025.33	1/8	2,121.35	1/8	2,217.27	1/8	2,313.20	1/8	2,408.58	1/8		1/8		1/8		1/8		1/8	
1/4	2,027.34	1/4	2,123.34	1/4	2,219.27	1/4	2,315.20	1/4	2,410.54	1/4		1/4		1/4		1/4		1/4	
3/8	2,029.34	3/8	2,125.34	3/8	2,221.27	3/8	2,317.20	3/8	2,412.49	3/8		3/8		3/8		3/8		3/8	
1/2	2,031.35	1/2	2,127.34	1/2	2,223.27	1/2	2,319.20	1/2	2,414.45	1/2		1/2		1/2		1/2		1/2	
5/8	2,033.36	5/8	2,129.34	5/8	2,225.27	5/8	2,321.20	5/8	2,416.41	5/8		5/8		5/8		5/8		5/8	
3/4	2,035.37	3/4	2,131.34	3/4	2,227.27	3/4	2,323.19	3/4	2,418.36	3/4		3/4		3/4		3/4		3/4	
7/8	2,037.38	7/8	2,133.34	7/8	2,229.26	7/8	2,325.19	7/8	2,420.32	7/8		7/8		7/8		7/8		7/8	

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2009

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 27773"

## 2 PORT INNAGE TABLE

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

GAUGE HEIGHT 15'-09 3/4"

IN	0 FT.	IN	0 FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0	13.50	6	104.15	0	196.68	6	290.05	0	386.86	6	483.67	0	580.49	6	677.30	0	774.11	6	870.92
1/8	15.01	1/8	106.09	1/8	198.60	1/8	292.07	1/8	388.88	1/8	485.69	1/8	582.50	1/8	679.31	1/8	776.12	1/8	872.94
1/4	16.52	1/4	108.02	1/4	200.53	1/4	294.09	1/4	390.90	1/4	487.71	1/4	584.52	1/4	681.33	1/4	778.14	1/4	874.95
3/8	18.04	3/8	109.95	3/8	202.46	3/8	296.10	3/8	392.91	3/8	489.72	3/8	586.54	3/8	683.35	3/8	780.16	3/8	876.97
1/2	19.55	1/2	111.88	1/2	204.38	1/2	298.12	1/2	394.93	1/2	491.74	1/2	588.55	1/2	685.36	1/2	782.18	1/2	878.99
5/8	21.06	5/8	113.81	5/8	206.31	5/8	300.14	5/8	396.95	5/8	493.76	5/8	590.57	5/8	687.38	5/8	784.19	5/8	881.00
3/4	22.57	3/4	115.74	3/4	208.23	3/4	302.15	3/4	398.96	3/4	495.78	3/4	592.59	3/4	689.40	3/4	786.21	3/4	883.02
7/8	24.08	7/8	117.67	7/8	210.16	7/8	304.17	7/8	400.98	7/8	497.79	7/8	594.60	7/8	691.41	7/8	788.23	7/8	885.04
1	25.59	7	119.60	1	212.09	7	306.19	1	403.00	7	499.81	1	596.62	7	693.43	1	790.24	7	887.05
1/8	27.47	1/8	121.53	1/8	214.01	1/8	308.20	1/8	405.01	1/8	501.83	1/8	598.64	1/8	695.45	1/8	792.26	1/8	889.07
1/4	29.35	1/4	123.46	1/4	215.94	1/4	310.22	1/4	407.03	1/4	503.84	1/4	600.65	1/4	697.47	1/4	794.28	1/4	891.09
3/8	31.23	3/8	125.39	3/8	217.86	3/8	312.24	3/8	409.05	3/8	505.86	3/8	602.67	3/8	699.48	3/8	796.29	3/8	893.10
1/2	33.10	1/2	127.31	1/2	219.79	1/2	314.25	1/2	411.07	1/2	507.88	1/2	604.69	1/2	701.50	1/2	798.31	1/2	895.12
5/8	34.98	5/8	129.24	5/8	221.72	5/8	316.27	5/8	413.08	5/8	509.89	5/8	606.70	5/8	703.52	5/8	800.33	5/8	897.14
3/4	36.86	3/4	131.17	3/4	223.64	3/4	318.29	3/4	415.10	3/4	511.91	3/4	608.72	3/4	705.53	3/4	802.34	3/4	899.16
7/8	38.74	7/8	133.10	7/8	225.57	7/8	320.31	7/8	417.12	7/8	513.93	7/8	610.74	7/8	707.55	7/8	804.36	7/8	901.17
2	40.61	8	135.03	2	227.49	8	322.32	2	419.13	8	515.94	2	612.76	8	709.57	2	806.38	8	903.19
1/8	42.61	1/8	136.96	1/8	229.42	1/8	324.34	1/8	421.15	1/8	517.96	1/8	614.77	1/8	711.58	1/8	808.39	1/8	905.21
1/4	44.61	1/4	138.89	1/4	231.35	1/4	326.36	1/4	423.17	1/4	519.98	1/4	616.79	1/4	713.60	1/4	810.41	1/4	907.22
3/8	46.61	3/8	140.81	3/8	233.28	3/8	328.37	3/8	425.18	3/8	522.00	3/8	618.81	3/8	715.62	3/8	812.43	3/8	909.24
1/2	48.60	1/2	142.74	1/2	235.21	1/2	330.39	1/2	427.20	1/2	524.01	1/2	620.82	1/2	717.63	1/2	814.45	1/2	911.26
5/8	50.60	5/8	144.67	5/8	237.14	5/8	332.41	5/8	429.22	5/8	526.03	5/8	622.84	5/8	719.65	5/8	816.46	5/8	913.27
3/4	52.60	3/4	146.60	3/4	239.07	3/4	334.42	3/4	431.23	3/4	528.05	3/4	624.86	3/4	721.67	3/4	818.48	3/4	915.29
7/8	54.59	7/8	148.52	7/8	240.99	7/8	336.44	7/8	433.25	7/8	530.06	7/8	626.87	7/8	723.69	7/8	820.50	7/8	917.31
3	56.59	9	150.45	3	242.92	9	338.46	3	435.27	9	532.08	3	628.89	9	725.70	3	822.51	9	919.32
1/8	58.60	1/8	152.38	1/8	244.86	1/8	340.47	1/8	437.29	1/8	534.10	1/8	630.91	1/8	727.72	1/8	824.53	1/8	921.34
1/4	60.60	1/4	154.30	1/4	246.79	1/4	342.49	1/4	439.30	1/4	536.11	1/4	632.92	1/4	729.74	1/4	826.55	1/4	923.36
3/8	62.61	3/8	156.23	3/8	248.73	3/8	344.51	3/8	441.32	3/8	538.13	3/8	634.94	3/8	731.75	3/8	828.56	3/8	925.38
1/2	64.62	1/2	158.16	1/2	250.66	1/2	346.52	1/2	443.34	1/2	540.15	1/2	636.96	1/2	733.77	1/2	830.58	1/2	927.39
5/8	66.62	5/8	160.08	5/8	252.60	5/8	348.54	5/8	445.35	5/8	542.16	5/8	638.98	5/8	735.79	5/8	832.60	5/8	929.41
3/4	68.63	3/4	162.01	3/4	254.53	3/4	350.56	3/4	447.37	3/4	544.18	3/4	640.99	3/4	737.80	3/4	834.61	3/4	931.43
7/8	70.63	7/8	163.93	7/8	256.46	7/8	352.58	7/8	449.39	7/8	546.20	7/8	643.01	7/8	739.82	7/8	836.63	7/8	933.44
4	72.64	10	165.86	4	258.40	10	354.59	4	451.40	10	548.21	4	645.03	10	741.84	4	838.65	10	935.46
1/8	74.63	1/8	167.79	1/8	260.36	1/8	356.61	1/8	453.42	1/8	550.23	1/8	647.04	1/8	743.85	1/8	840.67	1/8	937.48
1/4	76.62	1/4	169.71	1/4	262.32	1/4	358.63	1/4	455.44	1/4	552.25	1/4	649.06	1/4	745.87	1/4	842.68	1/4	939.49
3/8	78.61	3/8	171.64	3/8	264.27	3/8	360.64	3/8	457.45	3/8	554.27	3/8	651.08	3/8	747.89	3/8	844.70	3/8	941.51
1/2	80.60	1/2	173.56	1/2	266.23	1/2	362.66	1/2	459.47	1/2	556.28	1/2	653.09	1/2	749.90	1/2	846.72	1/2	943.53
5/8	82.59	5/8	175.49	5/8	268.19	5/8	364.68	5/8	461.49	5/8	558.30	5/8	655.11	5/8	751.92	5/8	848.73	5/8	945.54
3/4	84.58	3/4	177.42	3/4	270.15	3/4	366.69	3/4	463.51	3/4	560.32	3/4	657.13	3/4	753.94	3/4	850.75	3/4	947.56
7/8	86.57	7/8	179.34	7/8	272.11	7/8	368.71	7/8	465.52	7/8	562.33	7/8	659.14	7/8	755.96	7/8	852.77	7/8	949.58
5	88.56	11	181.27	5	274.07	11	370.73	5	467.54	11	564.35	5	661.16	11	757.97	5	854.78	11	951.59
1/8	90.51	1/8	183.19	1/8	276.07	1/8	372.74	1/8	469.56	1/8	566.37	1/8	663.18	1/8	759.99	1/8	856.80	1/8	953.61
1/4	92.46	1/4	185.12	1/4	278.06	1/4	374.76	1/4	471.57	1/4	568.38	1/4	665.19	1/4	762.01	1/4	858.82	1/4	955.63
3/8	94.41	3/8	187.05	3/8	280.06	3/8	376.78	3/8	473.59	3/8	570.40	3/8	667.21	3/8	764.02	3/8	860.83	3/8	957.65
1/2	96.36	1/2	188.97	1/2	282.06	1/2	378.80	1/2	475.61	1/2	572.42	1/2	669.23	1/2	766.04	1/2	862.85	1/2	959.66
5/8	98.31	5/8	190.90	5/8	284.06	5/8	380.81	5/8	477.62	5/8	574.43	5/8	671.25	5/8	768.06	5/8	864.87	5/8	961.68
3/4	100.26	3/4	192.83	3/4	286.06	3/4	382.83	3/4	479.64	3/4	576.45	3/4	673.26	3/4	770.07	3/4	866.88	3/4	963.70
7/8	102.20	7/8	194.75	7/8	288.05	7/8	384.85	7/8	481.66	7/8	578.47	7/8	675.28	7/8	772.09	7/8	868.90	7/8	965.71

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 AT 2" DIAMETER STANDPIPE

GAUGE POINT: (MANUAL) LOCATED 10'-10" OFF CENTERLINE AND 22'-10" 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 27773"

## 2 PORT INNAGE TABLE

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

GAUGE HEIGHT 15'-09 3/4"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	967.73	6	1,064.54	0	1,161.35	6	1,258.16	0	1,354.97	6	1,451.78	0	1,548.57	6	1,645.36	0	1,742.14	6	1,838.93
1/8	969.75	1/8	1,066.56	1/8	1,163.37	1/8	1,260.18	1/8	1,356.99	1/8	1,453.80	1/8	1,550.59	1/8	1,647.37	1/8	1,744.16	1/8	1,840.95
1/4	971.76	1/4	1,068.57	1/4	1,165.39	1/4	1,262.20	1/4	1,359.01	1/4	1,455.82	1/4	1,552.60	1/4	1,649.39	1/4	1,746.18	1/4	1,842.96
3/8	973.78	3/8	1,070.59	3/8	1,167.40	3/8	1,264.21	3/8	1,361.03	3/8	1,457.83	3/8	1,554.62	3/8	1,651.41	3/8	1,748.19	3/8	1,844.98
1/2	975.80	1/2	1,072.61	1/2	1,169.42	1/2	1,266.23	1/2	1,363.04	1/2	1,459.85	1/2	1,556.64	1/2	1,653.42	1/2	1,750.21	1/2	1,847.00
5/8	977.81	5/8	1,074.63	5/8	1,171.44	5/8	1,268.25	5/8	1,365.06	5/8	1,461.86	5/8	1,558.65	5/8	1,655.44	5/8	1,752.23	5/8	1,849.01
3/4	979.83	3/4	1,076.64	3/4	1,173.45	3/4	1,270.27	3/4	1,367.08	3/4	1,463.88	3/4	1,560.67	3/4	1,657.46	3/4	1,754.24	3/4	1,851.03
7/8	981.85	7/8	1,078.66	7/8	1,175.47	7/8	1,272.28	7/8	1,369.09	7/8	1,465.90	7/8	1,562.68	7/8	1,659.47	7/8	1,756.26	7/8	1,853.05
1	983.87	7	1,080.68	1	1,177.49	7	1,274.30	1	1,371.11	7	1,467.91	1	1,564.70	7	1,661.49	1	1,758.28	7	1,855.06
1/8	985.88	1/8	1,082.69	1/8	1,179.50	1/8	1,276.32	1/8	1,373.13	1/8	1,469.93	1/8	1,566.72	1/8	1,663.50	1/8	1,760.29	1/8	1,857.08
1/4	987.90	1/4	1,084.71	1/4	1,181.52	1/4	1,278.33	1/4	1,375.14	1/4	1,471.95	1/4	1,568.73	1/4	1,665.52	1/4	1,762.31	1/4	1,859.10
3/8	989.92	3/8	1,086.73	3/8	1,183.54	3/8	1,280.35	3/8	1,377.16	3/8	1,473.96	3/8	1,570.75	3/8	1,667.54	3/8	1,764.32	3/8	1,861.11
1/2	991.93	1/2	1,088.74	1/2	1,185.56	1/2	1,282.37	1/2	1,379.18	1/2	1,475.98	1/2	1,572.77	1/2	1,669.55	1/2	1,766.34	1/2	1,863.13
5/8	993.95	5/8	1,090.76	5/8	1,187.57	5/8	1,284.38	5/8	1,381.19	5/8	1,478.00	5/8	1,574.78	5/8	1,671.57	5/8	1,768.36	5/8	1,865.14
3/4	995.97	3/4	1,092.78	3/4	1,189.59	3/4	1,286.40	3/4	1,383.21	3/4	1,480.01	3/4	1,576.80	3/4	1,673.59	3/4	1,770.37	3/4	1,867.16
7/8	997.98	7/8	1,094.79	7/8	1,191.61	7/8	1,288.42	7/8	1,385.23	7/8	1,482.03	7/8	1,578.82	7/8	1,675.60	7/8	1,772.39	7/8	1,869.18
2	1,000.00	8	1,096.81	2	1,193.62	8	1,290.43	2	1,387.25	8	1,484.05	2	1,580.83	8	1,677.62	2	1,774.41	8	1,871.19
1/8	1,002.02	1/8	1,098.83	1/8	1,195.64	1/8	1,292.45	1/8	1,389.26	1/8	1,486.06	1/8	1,582.85	1/8	1,679.64	1/8	1,776.42	1/8	1,873.21
1/4	1,004.03	1/4	1,100.85	1/4	1,197.66	1/4	1,294.47	1/4	1,391.28	1/4	1,488.08	1/4	1,584.87	1/4	1,681.65	1/4	1,778.44	1/4	1,875.23
3/8	1,006.05	3/8	1,102.86	3/8	1,199.67	3/8	1,296.48	3/8	1,393.30	3/8	1,490.09	3/8	1,586.88	3/8	1,683.67	3/8	1,780.46	3/8	1,877.24
1/2	1,008.07	1/2	1,104.88	1/2	1,201.69	1/2	1,298.50	1/2	1,395.31	1/2	1,492.11	1/2	1,588.90	1/2	1,685.69	1/2	1,782.47	1/2	1,879.26
5/8	1,010.08	5/8	1,106.90	5/8	1,203.71	5/8	1,300.52	5/8	1,397.33	5/8	1,494.13	5/8	1,590.91	5/8	1,687.70	5/8	1,784.49	5/8	1,881.28
3/4	1,012.10	3/4	1,108.91	3/4	1,205.72	3/4	1,302.54	3/4	1,399.35	3/4	1,496.14	3/4	1,592.93	3/4	1,689.72	3/4	1,786.51	3/4	1,883.29
7/8	1,014.12	7/8	1,110.93	7/8	1,207.74	7/8	1,304.55	7/8	1,401.36	7/8	1,498.16	7/8	1,594.95	7/8	1,691.73	7/8	1,788.52	7/8	1,885.31
3	1,016.14	9	1,112.95	3	1,209.76	9	1,306.57	3	1,403.38	9	1,500.18	3	1,596.96	9	1,693.75	3	1,790.54	9	1,887.33
1/8	1,018.15	1/8	1,114.96	1/8	1,211.77	1/8	1,308.59	1/8	1,405.40	1/8	1,502.19	1/8	1,598.98	1/8	1,695.77	1/8	1,792.55	1/8	1,889.34
1/4	1,020.17	1/4	1,116.98	1/4	1,213.79	1/4	1,310.60	1/4	1,407.42	1/4	1,504.21	1/4	1,601.00	1/4	1,697.78	1/4	1,794.57	1/4	1,891.36
3/8	1,022.19	3/8	1,119.00	3/8	1,215.81	3/8	1,312.62	3/8	1,409.43	3/8	1,506.23	3/8	1,603.01	3/8	1,699.80	3/8	1,796.59	3/8	1,893.37
1/2	1,024.20	1/2	1,121.01	1/2	1,217.83	1/2	1,314.64	1/2	1,411.45	1/2	1,508.24	1/2	1,605.03	1/2	1,701.82	1/2	1,798.60	1/2	1,895.39
5/8	1,026.22	5/8	1,123.03	5/8	1,219.84	5/8	1,316.65	5/8	1,413.47	5/8	1,510.26	5/8	1,607.05	5/8	1,703.83	5/8	1,800.62	5/8	1,897.41
3/4	1,028.24	3/4	1,125.05	3/4	1,221.86	3/4	1,318.67	3/4	1,415.49	3/4	1,512.27	3/4	1,609.06	3/4	1,705.85	3/4	1,802.64	3/4	1,899.42
7/8	1,030.25	7/8	1,127.07	7/8	1,223.88	7/8	1,320.69	7/8	1,417.50	7/8	1,514.29	7/8	1,611.08	7/8	1,707.87	7/8	1,804.65	7/8	1,901.44
4	1,032.27	10	1,129.08	4	1,225.89	10	1,322.70	4	1,419.52	10	1,516.31	4	1,613.09	10	1,709.88	4	1,806.67	10	1,903.46
1/8	1,034.29	1/8	1,131.10	1/8	1,227.91	1/8	1,324.72	1/8	1,421.54	1/8	1,518.32	1/8	1,615.11	1/8	1,711.90	1/8	1,808.69	1/8	1,905.47
1/4	1,036.30	1/4	1,133.12	1/4	1,229.93	1/4	1,326.74	1/4	1,423.55	1/4	1,520.34	1/4	1,617.13	1/4	1,713.91	1/4	1,810.70	1/4	1,907.49
3/8	1,038.32	3/8	1,135.13	3/8	1,231.94	3/8	1,328.76	3/8	1,425.57	3/8	1,522.36	3/8	1,619.14	3/8	1,715.93	3/8	1,812.72	3/8	1,909.51
1/2	1,040.34	1/2	1,137.15	1/2	1,233.96	1/2	1,330.77	1/2	1,427.59	1/2	1,524.37	1/2	1,621.16	1/2	1,717.95	1/2	1,814.73	1/2	1,911.52
5/8	1,042.36	5/8	1,139.17	5/8	1,235.98	5/8	1,332.79	5/8	1,429.60	5/8	1,526.39	5/8	1,623.18	5/8	1,719.96	5/8	1,816.75	5/8	1,913.54
3/4	1,044.37	3/4	1,141.18	3/4	1,237.99	3/4	1,334.81	3/4	1,431.62	3/4	1,528.41	3/4	1,625.19	3/4	1,721.98	3/4	1,818.77	3/4	1,915.55
7/8	1,046.39	7/8	1,143.20	7/8	1,240.01	7/8	1,336.82	7/8	1,433.64	7/8	1,530.42	7/8	1,627.21	7/8	1,724.00	7/8	1,820.78	7/8	1,917.57
5	1,048.41	11	1,145.22	5	1,242.03	11	1,338.84	5	1,435.65	11	1,532.44	5	1,629.23	11	1,726.01	5	1,822.80	11	1,919.59
1/8	1,050.42	1/8	1,147.23	1/8	1,244.05	1/8	1,340.86	1/8	1,437.67	1/8	1,534.46	1/8	1,631.24	1/8	1,728.03	1/8	1,824.82	1/8	1,921.60
1/4	1,052.44	1/4	1,149.25	1/4	1,246.06	1/4	1,342.87	1/4	1,439.68	1/4	1,536.47	1/4	1,633.26	1/4	1,730.05	1/4	1,826.83	1/4	1,923.62
3/8	1,054.46	3/8	1,151.27	3/8	1,248.08	3/8	1,344.89	3/8	1,441.70	3/8	1,538.49	3/8	1,635.28	3/8	1,732.06	3/8	1,828.85	3/8	1,925.64
1/2	1,056.47	1/2	1,153.28	1/2	1,250.10	1/2	1,346.91	1/2	1,443.72	1/2	1,540.50	1/2	1,637.29	1/2	1,734.08	1/2	1,830.87	1/2	1,927.65
5/8	1,058.49	5/8	1,155.30	5/8	1,252.11	5/8	1,348.92	5/8	1,445.73	5/8	1,542.52	5/8	1,639.31	5/8	1,736.10	5/8	1,832.88	5/8	1,929.67
3/4	1,060.51	3/4	1,157.32	3/4	1,254.13	3/4	1,350.94	3/4	1,447.75	3/4	1,544.54	3/4	1,641.32	3/4	1,738.11	3/4	1,834.90	3/4	1,931.69
7/8	1,062.52	7/8	1,159.34	7/8	1,256.15	7/8	1,352.96	7/8	1,449.77	7/8	1,546.55	7/8	1,643.34	7/8	1,740.13	7/8	1,836.92	7/8	1,933.70

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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# BARGE "KIRBY 27773"

## 2 PORT INNAGE TABLE

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

GAUGE HEIGHT 15'-09 3/4"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	1,935.72	6	2,032.39	0	2,128.41	6	2,224.41	0	2,320.41	6	2,415.57	0		6		0		6	
1/8	1,937.74	1/8	2,034.39	1/8	2,130.41	1/8	2,226.41	1/8	2,322.41	1/8	2,417.37	1/8		1/8		1/8		1/8	
1/4	1,939.75	1/4	2,036.39	1/4	2,132.41	1/4	2,228.41	1/4	2,324.40	1/4	2,419.16	1/4		1/4		1/4		1/4	
3/8	1,941.77	3/8	2,038.40	3/8	2,134.41	3/8	2,230.41	3/8	2,326.40	3/8	2,420.95	3/8		3/8		3/8		3/8	
1/2	1,943.78	1/2	2,040.40	1/2	2,136.41	1/2	2,232.41	1/2	2,328.40	1/2	2,422.74	1/2		1/2		1/2		1/2	
5/8	1,945.80	5/8	2,042.40	5/8	2,138.41	5/8	2,234.41	5/8	2,330.39	5/8	2,424.54	5/8		5/8		5/8		5/8	
3/4	1,947.82	3/4	2,044.40	3/4	2,140.41	3/4	2,236.41	3/4	2,332.39	3/4	2,426.33	3/4		3/4		3/4		3/4	
7/8	1,949.83	7/8	2,046.41	7/8	2,142.41	7/8	2,238.41	7/8	2,334.39	7/8	2,428.12	7/8		7/8		7/8		7/8	
1	1,951.85	7	2,048.41	1	2,144.41	7	2,240.41	1	2,336.38	7	2,429.92	1		7		1		7	
1/8	1,953.87	1/8	2,050.41	1/8	2,146.41	1/8	2,242.41	1/8	2,338.37	1/8	2,431.40	1/8		1/8		1/8		1/8	
1/4	1,955.88	1/4	2,052.41	1/4	2,148.41	1/4	2,244.41	1/4	2,340.36	1/4	2,432.88	1/4		1/4		1/4		1/4	
3/8	1,957.90	3/8	2,054.41	3/8	2,150.41	3/8	2,246.41	3/8	2,342.35	3/8	2,434.36	3/8		3/8		3/8		3/8	
1/2	1,959.91	1/2	2,056.41	1/2	2,152.41	1/2	2,248.41	1/2	2,344.34	1/2	2,435.84	1/2		1/2		1/2		1/2	
5/8	1,961.93	5/8	2,058.41	5/8	2,154.41	5/8	2,250.41	5/8	2,346.33	5/8	2,437.32	5/8		5/8		5/8		5/8	
3/4	1,963.94	3/4	2,060.41	3/4	2,156.41	3/4	2,252.41	3/4	2,348.32	3/4	2,438.80	3/4		3/4		3/4		3/4	
7/8	1,965.96	7/8	2,062.41	7/8	2,158.41	7/8	2,254.41	7/8	2,350.31	7/8	2,440.28	7/8		7/8		7/8		7/8	
2	1,967.97	8	2,064.41	2	2,160.41	8	2,256.41	2	2,352.30	8	2,441.77	2		8		2		8	
1/8	1,969.99	1/8	2,066.41	1/8	2,162.41	1/8	2,258.41	1/8	2,354.28	1/8	2,442.91	1/8		1/8		1/8		1/8	
1/4	1,972.00	1/4	2,068.41	1/4	2,164.41	1/4	2,260.41	1/4	2,356.27	1/4	2,444.05	1/4		1/4		1/4		1/4	
3/8	1,974.02	3/8	2,070.41	3/8	2,166.41	3/8	2,262.41	3/8	2,358.25	3/8	2,445.20	3/8		3/8		3/8		3/8	
1/2	1,976.03	1/2	2,072.41	1/2	2,168.41	1/2	2,264.41	1/2	2,360.24	1/2	2,446.34	1/2		1/2		1/2		1/2	
5/8	1,978.04	5/8	2,074.41	5/8	2,170.41	5/8	2,266.41	5/8	2,362.22	5/8	2,447.49	5/8		5/8		5/8		5/8	
3/4	1,980.06	3/4	2,076.41	3/4	2,172.41	3/4	2,268.41	3/4	2,364.21	3/4	2,448.63	3/4		3/4		3/4		3/4	
7/8	1,982.07	7/8	2,078.41	7/8	2,174.41	7/8	2,270.41	7/8	2,366.19	7/8	2,449.78	7/8		7/8		7/8		7/8	
3	1,984.09	9	2,080.41	3	2,176.41	9	2,272.41	3	2,368.18	9	2,450.92	3		9		3		9	
1/8	1,986.10	1/8	2,082.41	1/8	2,178.41	1/8	2,274.41	1/8	2,370.16	1/8	2,451.73	1/8		1/8		1/8		1/8	
1/4	1,988.11	1/4	2,084.41	1/4	2,180.41	1/4	2,276.41	1/4	2,372.15	1/4	2,452.54	1/4		1/4		1/4		1/4	
3/8	1,990.13	3/8	2,086.41	3/8	2,182.41	3/8	2,278.41	3/8	2,374.13	3/8		3/8		3/8		3/8		3/8	
1/2	1,992.14	1/2	2,088.41	1/2	2,184.41	1/2	2,280.41	1/2	2,376.12	1/2		1/2		1/2		1/2		1/2	
5/8	1,994.16	5/8	2,090.41	5/8	2,186.41	5/8	2,282.41	5/8	2,378.10	5/8		5/8		5/8		5/8		5/8	
3/4	1,996.17	3/4	2,092.41	3/4	2,188.41	3/4	2,284.41	3/4	2,380.08	3/4		3/4		3/4		3/4		3/4	
7/8	1,998.18	7/8	2,094.41	7/8	2,190.41	7/8	2,286.41	7/8	2,382.07	7/8		7/8		7/8		7/8		7/8	
4	2,000.20	10	2,096.41	4	2,192.41	10	2,288.41	4	2,384.05	10		4		10		4		10	
1/8	2,002.21	1/8	2,098.41	1/8	2,194.41	1/8	2,290.41	1/8	2,386.03	1/8		1/8		1/8		1/8		1/8	
1/4	2,004.23	1/4	2,100.41	1/4	2,196.41	1/4	2,292.41	1/4	2,388.02	1/4		1/4		1/4		1/4		1/4	
3/8	2,006.24	3/8	2,102.41	3/8	2,198.41	3/8	2,294.41	3/8	2,390.00	3/8		3/8		3/8		3/8		3/8	
1/2	2,008.25	1/2	2,104.41	1/2	2,200.41	1/2	2,296.41	1/2	2,391.98	1/2		1/2		1/2		1/2		1/2	
5/8	2,010.27	5/8	2,106.41	5/8	2,202.41	5/8	2,298.41	5/8	2,393.96	5/8		5/8		5/8		5/8		5/8	
3/4	2,012.28	3/4	2,108.41	3/4	2,204.41	3/4	2,300.41	3/4	2,395.94	3/4		3/4		3/4		3/4		3/4	
7/8	2,014.29	7/8	2,110.41	7/8	2,206.41	7/8	2,302.41	7/8	2,397.93	7/8		7/8		7/8		7/8		7/8	
5	2,016.31	11	2,112.41	5	2,208.41	11	2,304.41	5	2,399.91	11		5		11		5		11	
1/8	2,018.32	1/8	2,114.41	1/8	2,210.41	1/8	2,306.41	1/8	2,401.87	1/8		1/8		1/8		1/8		1/8	
1/4	2,020.33	1/4	2,116.41	1/4	2,212.41	1/4	2,308.41	1/4	2,403.82	1/4		1/4		1/4		1/4		1/4	
3/8	2,022.34	3/8	2,118.41	3/8	2,214.41	3/8	2,310.41	3/8	2,405.78	3/8		3/8		3/8		3/8		3/8	
1/2	2,024.35	1/2	2,120.41	1/2	2,216.41	1/2	2,312.41	1/2	2,407.74	1/2		1/2		1/2		1/2		1/2	
5/8	2,026.36	5/8	2,122.41	5/8	2,218.41	5/8	2,314.41	5/8	2,409.70	5/8		5/8		5/8		5/8		5/8	
3/4	2,028.37	3/4	2,124.41	3/4	2,220.41	3/4	2,316.41	3/4	2,411.66	3/4		3/4		3/4		3/4		3/4	
7/8	2,030.38	7/8	2,126.41	7/8	2,222.41	7/8	2,318.41	7/8	2,413.61	7/8		7/8		7/8		7/8		7/8	

STRAPPED: 09/10/2009 CL - SW  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2009

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 27773"

## 2 STBD INNAGE TABLE

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

GAUGE HEIGHT 15'-10"

IN	0 FT.	IN	0 FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0	13.50	6	104.84	0	201.39	6	297.90	0	394.71	6	491.52	0	588.33	6	685.14	0	781.95	6	878.76
1/8	15.01	1/8	106.86	1/8	203.40	1/8	299.92	1/8	396.73	1/8	493.54	1/8	590.35	1/8	687.16	1/8	783.97	1/8	880.78
1/4	16.52	1/4	108.87	1/4	205.41	1/4	301.94	1/4	398.74	1/4	495.55	1/4	592.36	1/4	689.18	1/4	785.99	1/4	882.80
3/8	18.04	3/8	110.89	3/8	207.42	3/8	303.95	3/8	400.76	3/8	497.57	3/8	594.38	3/8	691.19	3/8	788.00	3/8	884.82
1/2	19.55	1/2	112.91	1/2	209.42	1/2	305.97	1/2	402.78	1/2	499.59	1/2	596.40	1/2	693.21	1/2	790.02	1/2	886.83
5/8	21.06	5/8	114.92	5/8	211.43	5/8	307.98	5/8	404.79	5/8	501.60	5/8	598.42	5/8	695.23	5/8	792.04	5/8	888.85
3/4	22.57	3/4	116.94	3/4	213.44	3/4	310.00	3/4	406.81	3/4	503.62	3/4	600.43	3/4	697.24	3/4	794.05	3/4	890.87
7/8	24.08	7/8	118.95	7/8	215.45	7/8	312.02	7/8	408.83	7/8	505.64	7/8	602.45	7/8	699.26	7/8	796.07	7/8	892.88
1	25.59	7	120.97	1	217.46	7	314.03	1	410.84	7	507.65	1	604.47	7	701.28	1	798.09	7	894.90
1/8	27.47	1/8	122.99	1/8	219.47	1/8	316.05	1/8	412.86	1/8	509.67	1/8	606.48	1/8	703.29	1/8	800.11	1/8	896.92
1/4	29.35	1/4	125.00	1/4	221.48	1/4	318.07	1/4	414.88	1/4	511.69	1/4	608.50	1/4	705.31	1/4	802.12	1/4	898.93
3/8	31.23	3/8	127.01	3/8	223.49	3/8	320.08	3/8	416.89	3/8	513.71	3/8	610.52	3/8	707.33	3/8	804.14	3/8	900.95
1/2	33.10	1/2	129.03	1/2	225.50	1/2	322.10	1/2	418.91	1/2	515.72	1/2	612.53	1/2	709.34	1/2	806.16	1/2	902.97
5/8	34.98	5/8	131.04	5/8	227.50	5/8	324.12	5/8	420.93	5/8	517.74	5/8	614.55	5/8	711.36	5/8	808.17	5/8	904.98
3/4	36.86	3/4	133.06	3/4	229.51	3/4	326.13	3/4	422.95	3/4	519.76	3/4	616.57	3/4	713.38	3/4	810.19	3/4	907.00
7/8	38.74	7/8	135.07	7/8	231.52	7/8	328.15	7/8	424.96	7/8	521.77	7/8	618.58	7/8	715.40	7/8	812.21	7/8	909.02
2	40.61	8	137.09	2	233.53	8	330.17	2	426.98	8	523.79	2	620.60	8	717.41	2	814.22	8	911.03
1/8	42.61	1/8	139.10	1/8	235.54	1/8	332.18	1/8	429.00	1/8	525.81	1/8	622.62	1/8	719.43	1/8	816.24	1/8	913.05
1/4	44.61	1/4	141.11	1/4	237.55	1/4	334.20	1/4	431.01	1/4	527.82	1/4	624.64	1/4	721.45	1/4	818.26	1/4	915.07
3/8	46.61	3/8	143.12	3/8	239.56	3/8	336.22	3/8	433.03	3/8	529.84	3/8	626.65	3/8	723.46	3/8	820.27	3/8	917.09
1/2	48.60	1/2	145.13	1/2	241.57	1/2	338.24	1/2	435.05	1/2	531.86	1/2	628.67	1/2	725.48	1/2	822.29	1/2	919.10
5/8	50.60	5/8	147.14	5/8	243.58	5/8	340.25	5/8	437.06	5/8	533.87	5/8	630.69	5/8	727.50	5/8	824.31	5/8	921.12
3/4	52.60	3/4	149.15	3/4	245.59	3/4	342.27	3/4	439.08	3/4	535.89	3/4	632.70	3/4	729.51	3/4	826.32	3/4	923.14
7/8	54.59	7/8	151.16	7/8	247.59	7/8	344.29	7/8	441.10	7/8	537.91	7/8	634.72	7/8	731.53	7/8	828.34	7/8	925.15
3	56.59	9	153.18	3	249.60	9	346.30	3	443.11	9	539.93	3	636.74	9	733.55	3	830.36	9	927.17
1/8	58.60	1/8	155.18	1/8	251.61	1/8	348.32	1/8	445.13	1/8	541.94	1/8	638.75	1/8	735.56	1/8	832.38	1/8	929.19
1/4	60.60	1/4	157.19	1/4	253.62	1/4	350.34	1/4	447.15	1/4	543.96	1/4	640.77	1/4	737.58	1/4	834.39	1/4	931.20
3/8	62.61	3/8	159.20	3/8	255.63	3/8	352.35	3/8	449.16	3/8	545.98	3/8	642.79	3/8	739.60	3/8	836.41	3/8	933.22
1/2	64.62	1/2	161.21	1/2	257.64	1/2	354.37	1/2	451.18	1/2	547.99	1/2	644.80	1/2	741.62	1/2	838.43	1/2	935.24
5/8	66.62	5/8	163.22	5/8	259.65	5/8	356.39	5/8	453.20	5/8	550.01	5/8	646.82	5/8	743.63	5/8	840.44	5/8	937.25
3/4	68.63	3/4	165.23	3/4	261.66	3/4	358.40	3/4	455.22	3/4	552.03	3/4	648.84	3/4	745.65	3/4	842.46	3/4	939.27
7/8	70.63	7/8	167.24	7/8	263.67	7/8	360.42	7/8	457.23	7/8	554.04	7/8	650.85	7/8	747.67	7/8	844.48	7/8	941.29
4	72.64	10	169.25	4	265.69	10	362.44	4	459.25	10	556.06	4	652.87	10	749.68	4	846.49	10	943.31
1/8	74.65	1/8	171.26	1/8	267.70	1/8	364.45	1/8	461.27	1/8	558.08	1/8	654.89	1/8	751.70	1/8	848.51	1/8	945.32
1/4	76.66	1/4	173.26	1/4	269.71	1/4	366.47	1/4	463.28	1/4	560.09	1/4	656.91	1/4	753.72	1/4	850.53	1/4	947.34
3/8	78.67	3/8	175.27	3/8	271.72	3/8	368.49	3/8	465.30	3/8	562.11	3/8	658.92	3/8	755.73	3/8	852.54	3/8	949.36
1/2	80.68	1/2	177.28	1/2	273.74	1/2	370.51	1/2	467.32	1/2	564.13	1/2	660.94	1/2	757.75	1/2	854.56	1/2	951.37
5/8	82.69	5/8	179.29	5/8	275.75	5/8	372.52	5/8	469.33	5/8	566.14	5/8	662.96	5/8	759.77	5/8	856.58	5/8	953.39
3/4	84.71	3/4	181.30	3/4	277.76	3/4	374.54	3/4	471.35	3/4	568.16	3/4	664.97	3/4	761.78	3/4	858.60	3/4	955.41
7/8	86.72	7/8	183.31	7/8	279.77	7/8	376.56	7/8	473.37	7/8	570.18	7/8	666.99	7/8	763.80	7/8	860.61	7/8	957.42
5	88.73	11	185.32	5	281.79	11	378.57	5	475.38	11	572.20	5	669.01	11	765.82	5	862.63	11	959.44
1/8	90.74	1/8	187.33	1/8	283.80	1/8	380.59	1/8	477.40	1/8	574.21	1/8	671.02	1/8	767.83	1/8	864.65	1/8	961.46
1/4	92.76	1/4	189.34	1/4	285.82	1/4	382.61	1/4	479.42	1/4	576.23	1/4	673.04	1/4	769.85	1/4	866.66	1/4	963.47
3/8	94.77	3/8	191.34	3/8	287.83	3/8	384.62	3/8	481.44	3/8	578.25	3/8	675.06	3/8	771.87	3/8	868.68	3/8	965.49
1/2	96.78	1/2	193.35	1/2	289.85	1/2	386.64	1/2	483.45	1/2	580.26	1/2	677.07	1/2	773.89	1/2	870.70	1/2	967.51
5/8	98.80	5/8	195.36	5/8	291.86	5/8	388.66	5/8	485.47	5/8	582.28	5/8	679.09	5/8	775.90	5/8	872.71	5/8	969.52
3/4	100.81	3/4	197.37	3/4	293.87	3/4	390.67	3/4	487.49	3/4	584.30	3/4	681.11	3/4	777.92	3/4	874.73	3/4	971.54
7/8	102.83	7/8	199.38	7/8	295.89	7/8	392.69	7/8	489.50	7/8	586.31	7/8	683.13	7/8	779.94	7/8	876.75	7/8	973.56

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 AT 2" DIAMETER STANDPIPE

GAUGE POINT: (MANUAL) LOCATED 10'-10" OFF CENTERLINE AND 22'-10" 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 27773"

## 2 STBD INNAGE TABLE

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

GAUGE HEIGHT 15'-10"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	975.58	6	1,072.39	0	1,169.20	6	1,266.01	0	1,362.82	6	1,459.63	0	1,556.42	6	1,653.20	0	1,749.99	6	1,846.78
1/8	977.59	1/8	1,074.40	1/8	1,171.21	1/8	1,268.03	1/8	1,364.84	1/8	1,461.65	1/8	1,558.43	1/8	1,655.22	1/8	1,752.01	1/8	1,848.79
1/4	979.61	1/4	1,076.42	1/4	1,173.23	1/4	1,270.04	1/4	1,366.85	1/4	1,463.66	1/4	1,560.45	1/4	1,657.24	1/4	1,754.02	1/4	1,850.81
3/8	981.63	3/8	1,078.44	3/8	1,175.25	3/8	1,272.06	3/8	1,368.87	3/8	1,465.68	3/8	1,562.47	3/8	1,659.25	3/8	1,756.04	3/8	1,852.83
1/2	983.64	1/2	1,080.45	1/2	1,177.27	1/2	1,274.08	1/2	1,370.89	1/2	1,467.69	1/2	1,564.48	1/2	1,661.27	1/2	1,758.06	1/2	1,854.84
5/8	985.66	5/8	1,082.47	5/8	1,179.28	5/8	1,276.09	5/8	1,372.90	5/8	1,469.71	5/8	1,566.50	5/8	1,663.29	5/8	1,760.07	5/8	1,856.86
3/4	987.68	3/4	1,084.49	3/4	1,181.30	3/4	1,278.11	3/4	1,374.92	3/4	1,471.73	3/4	1,568.51	3/4	1,665.30	3/4	1,762.09	3/4	1,858.88
7/8	989.69	7/8	1,086.51	7/8	1,183.32	7/8	1,280.13	7/8	1,376.94	7/8	1,473.74	7/8	1,570.53	7/8	1,667.32	7/8	1,764.11	7/8	1,860.89
1	991.71	7	1,088.52	1	1,185.33	7	1,282.14	1	1,378.96	7	1,475.76	1	1,572.55	7	1,669.33	1	1,766.12	7	1,862.91
1/8	993.73	1/8	1,090.54	1/8	1,187.35	1/8	1,284.16	1/8	1,380.97	1/8	1,477.78	1/8	1,574.56	1/8	1,671.35	1/8	1,768.14	1/8	1,864.93
1/4	995.74	1/4	1,092.56	1/4	1,189.37	1/4	1,286.18	1/4	1,382.99	1/4	1,479.79	1/4	1,576.58	1/4	1,673.37	1/4	1,770.15	1/4	1,866.94
3/8	997.76	3/8	1,094.57	3/8	1,191.38	3/8	1,288.20	3/8	1,385.01	3/8	1,481.81	3/8	1,578.60	3/8	1,675.38	3/8	1,772.17	3/8	1,868.96
1/2	999.78	1/2	1,096.59	1/2	1,193.40	1/2	1,290.21	1/2	1,387.02	1/2	1,483.83	1/2	1,580.61	1/2	1,677.40	1/2	1,774.19	1/2	1,870.97
5/8	1,001.80	5/8	1,098.61	5/8	1,195.42	5/8	1,292.23	5/8	1,389.04	5/8	1,485.84	5/8	1,582.63	5/8	1,679.42	5/8	1,776.20	5/8	1,872.99
3/4	1,003.81	3/4	1,100.62	3/4	1,197.43	3/4	1,294.25	3/4	1,391.06	3/4	1,487.86	3/4	1,584.65	3/4	1,681.43	3/4	1,778.22	3/4	1,875.01
7/8	1,005.83	7/8	1,102.64	7/8	1,199.45	7/8	1,296.26	7/8	1,393.07	7/8	1,489.88	7/8	1,586.66	7/8	1,683.45	7/8	1,780.24	7/8	1,877.02
2	1,007.85	8	1,104.66	2	1,201.47	8	1,298.28	2	1,395.09	8	1,491.89	2	1,588.68	8	1,685.47	2	1,782.25	8	1,879.04
1/8	1,009.86	1/8	1,106.67	1/8	1,203.49	1/8	1,300.30	1/8	1,397.11	1/8	1,493.91	1/8	1,590.70	1/8	1,687.48	1/8	1,784.27	1/8	1,881.06
1/4	1,011.88	1/4	1,108.69	1/4	1,205.50	1/4	1,302.31	1/4	1,399.12	1/4	1,495.92	1/4	1,592.71	1/4	1,689.50	1/4	1,786.29	1/4	1,883.07
3/8	1,013.90	3/8	1,110.71	3/8	1,207.52	3/8	1,304.33	3/8	1,401.14	3/8	1,497.94	3/8	1,594.73	3/8	1,691.52	3/8	1,788.30	3/8	1,885.09
1/2	1,015.91	1/2	1,112.72	1/2	1,209.54	1/2	1,306.35	1/2	1,403.16	1/2	1,499.96	1/2	1,596.74	1/2	1,693.53	1/2	1,790.32	1/2	1,887.11
5/8	1,017.93	5/8	1,114.74	5/8	1,211.55	5/8	1,308.36	5/8	1,405.18	5/8	1,501.97	5/8	1,598.76	5/8	1,695.55	5/8	1,792.34	5/8	1,889.12
3/4	1,019.95	3/4	1,116.76	3/4	1,213.57	3/4	1,310.38	3/4	1,407.19	3/4	1,503.99	3/4	1,600.78	3/4	1,697.56	3/4	1,794.35	3/4	1,891.14
7/8	1,021.96	7/8	1,118.78	7/8	1,215.59	7/8	1,312.40	7/8	1,409.21	7/8	1,506.01	7/8	1,602.79	7/8	1,699.58	7/8	1,796.37	7/8	1,893.16
3	1,023.98	9	1,120.79	3	1,217.60	9	1,314.41	3	1,411.23	9	1,508.02	3	1,604.81	9	1,701.60	3	1,798.38	9	1,895.17
1/8	1,026.00	1/8	1,122.81	1/8	1,219.62	1/8	1,316.43	1/8	1,413.24	1/8	1,510.04	1/8	1,606.83	1/8	1,703.61	1/8	1,800.40	1/8	1,897.19
1/4	1,028.01	1/4	1,124.83	1/4	1,221.64	1/4	1,318.45	1/4	1,415.26	1/4	1,512.06	1/4	1,608.84	1/4	1,705.63	1/4	1,802.42	1/4	1,899.20
3/8	1,030.03	3/8	1,126.84	3/8	1,223.65	3/8	1,320.47	3/8	1,417.28	3/8	1,514.07	3/8	1,610.86	3/8	1,707.65	3/8	1,804.43	3/8	1,901.22
1/2	1,032.05	1/2	1,128.86	1/2	1,225.67	1/2	1,322.48	1/2	1,419.30	1/2	1,516.09	1/2	1,612.88	1/2	1,709.66	1/2	1,806.45	1/2	1,903.24
5/8	1,034.07	5/8	1,130.88	5/8	1,227.69	5/8	1,324.50	5/8	1,421.31	5/8	1,518.10	5/8	1,614.89	5/8	1,711.68	5/8	1,808.47	5/8	1,905.25
3/4	1,036.08	3/4	1,132.89	3/4	1,229.71	3/4	1,326.52	3/4	1,423.33	3/4	1,520.12	3/4	1,616.91	3/4	1,713.70	3/4	1,810.48	3/4	1,907.27
7/8	1,038.10	7/8	1,134.91	7/8	1,231.72	7/8	1,328.53	7/8	1,425.35	7/8	1,522.14	7/8	1,618.92	7/8	1,715.71	7/8	1,812.50	7/8	1,909.29
4	1,040.12	10	1,136.93	4	1,233.74	10	1,330.55	4	1,427.37	10	1,524.15	4	1,620.94	10	1,717.73	4	1,814.52	10	1,911.30
1/8	1,042.13	1/8	1,138.94	1/8	1,235.76	1/8	1,332.57	1/8	1,429.38	1/8	1,526.17	1/8	1,622.96	1/8	1,719.74	1/8	1,816.53	1/8	1,913.32
1/4	1,044.15	1/4	1,140.96	1/4	1,237.77	1/4	1,334.58	1/4	1,431.40	1/4	1,528.19	1/4	1,624.97	1/4	1,721.76	1/4	1,818.55	1/4	1,915.34
3/8	1,046.17	3/8	1,142.98	3/8	1,239.79	3/8	1,336.60	3/8	1,433.42	3/8	1,530.20	3/8	1,626.99	3/8	1,723.78	3/8	1,820.56	3/8	1,917.35
1/2	1,048.18	1/2	1,145.00	1/2	1,241.81	1/2	1,338.62	1/2	1,435.43	1/2	1,532.22	1/2	1,629.01	1/2	1,725.79	1/2	1,822.58	1/2	1,919.37
5/8	1,050.20	5/8	1,147.01	5/8	1,243.82	5/8	1,340.63	5/8	1,437.45	5/8	1,534.24	5/8	1,631.02	5/8	1,727.81	5/8	1,824.60	5/8	1,921.38
3/4	1,052.22	3/4	1,149.03	3/4	1,245.84	3/4	1,342.65	3/4	1,439.47	3/4	1,536.25	3/4	1,633.04	3/4	1,729.83	3/4	1,826.61	3/4	1,923.40
7/8	1,054.23	7/8	1,151.05	7/8	1,247.86	7/8	1,344.67	7/8	1,441.48	7/8	1,538.27	7/8	1,635.06	7/8	1,731.84	7/8	1,828.63	7/8	1,925.42
5	1,056.25	11	1,153.06	5	1,249.87	11	1,346.69	5	1,443.50	11	1,540.29	5	1,637.07	11	1,733.86	5	1,830.65	11	1,927.43
1/8	1,058.27	1/8	1,155.08	1/8	1,251.89	1/8	1,348.70	1/8	1,445.51	1/8	1,542.30	1/8	1,639.09	1/8	1,735.88	1/8	1,832.66	1/8	1,929.45
1/4	1,060.29	1/4	1,157.10	1/4	1,253.91	1/4	1,350.72	1/4	1,447.53	1/4	1,544.32	1/4	1,641.11	1/4	1,737.89	1/4	1,834.68	1/4	1,931.47
3/8	1,062.30	3/8	1,159.11	3/8	1,255.92	3/8	1,352.74	3/8	1,449.55	3/8	1,546.33	3/8	1,643.12	3/8	1,739.91	3/8	1,836.70	3/8	1,933.48
1/2	1,064.32	1/2	1,161.13	1/2	1,257.94	1/2	1,354.75	1/2	1,451.56	1/2	1,548.35	1/2	1,645.14	1/2	1,741.93	1/2	1,838.71	1/2	1,935.50
5/8	1,066.34	5/8	1,163.15	5/8	1,259.96	5/8	1,356.77	5/8	1,453.58	5/8	1,550.37	5/8	1,647.15	5/8	1,743.94	5/8	1,840.73	5/8	1,937.52
3/4	1,068.35	3/4	1,165.16	3/4	1,261.98	3/4	1,358.79	3/4	1,455.60	3/4	1,552.38	3/4	1,649.17	3/4	1,745.96	3/4	1,842.75	3/4	1,939.53
7/8	1,070.37	7/8	1,167.18	7/8	1,263.99	7/8	1,360.80	7/8	1,457.61	7/8	1,554.40	7/8	1,651.19	7/8	1,747.97	7/8	1,844.76	7/8	1,941.55

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# BARGE "KIRBY 27773"

## 2 STBD INNAGE TABLE

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

GAUGE HEIGHT 15'-10"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	1,943.57	6	2,040.23	0	2,136.26	6	2,232.26	0	2,328.27	6	2,423.42	0		6		0		6	
1/8	1,945.58	1/8	2,042.24	1/8	2,138.26	1/8	2,234.26	1/8	2,330.26	1/8	2,425.21	1/8		1/8		1/8		1/8	
1/4	1,947.60	1/4	2,044.24	1/4	2,140.26	1/4	2,236.26	1/4	2,332.26	1/4	2,427.01	1/4		1/4		1/4		1/4	
3/8	1,949.61	3/8	2,046.24	3/8	2,142.26	3/8	2,238.26	3/8	2,334.25	3/8	2,428.80	3/8		3/8		3/8		3/8	
1/2	1,951.63	1/2	2,048.24	1/2	2,144.26	1/2	2,240.26	1/2	2,336.25	1/2	2,430.59	1/2		1/2		1/2		1/2	
5/8	1,953.65	5/8	2,050.25	5/8	2,146.26	5/8	2,242.26	5/8	2,338.24	5/8	2,432.38	5/8		5/8		5/8		5/8	
3/4	1,955.66	3/4	2,052.25	3/4	2,148.26	3/4	2,244.27	3/4	2,340.24	3/4	2,434.18	3/4		3/4		3/4		3/4	
7/8	1,957.68	7/8	2,054.25	7/8	2,150.26	7/8	2,246.27	7/8	2,342.23	7/8	2,435.97	7/8		7/8		7/8		7/8	
1	1,959.70	7	2,056.26	1	2,152.26	7	2,248.27	1	2,344.23	7	2,437.76	1		7		1		7	
1/8	1,961.71	1/8	2,058.26	1/8	2,154.26	1/8	2,250.27	1/8	2,346.22	1/8	2,439.24	1/8		1/8		1/8		1/8	
1/4	1,963.73	1/4	2,060.26	1/4	2,156.26	1/4	2,252.27	1/4	2,348.21	1/4	2,440.73	1/4		1/4		1/4		1/4	
3/8	1,965.74	3/8	2,062.26	3/8	2,158.26	3/8	2,254.27	3/8	2,350.20	3/8	2,442.21	3/8		3/8		3/8		3/8	
1/2	1,967.76	1/2	2,064.26	1/2	2,160.26	1/2	2,256.27	1/2	2,352.19	1/2	2,443.69	1/2		1/2		1/2		1/2	
5/8	1,969.77	5/8	2,066.26	5/8	2,162.26	5/8	2,258.27	5/8	2,354.18	5/8	2,445.17	5/8		5/8		5/8		5/8	
3/4	1,971.79	3/4	2,068.26	3/4	2,164.26	3/4	2,260.27	3/4	2,356.16	3/4	2,446.65	3/4		3/4		3/4		3/4	
7/8	1,973.81	7/8	2,070.26	7/8	2,166.26	7/8	2,262.27	7/8	2,358.15	7/8	2,448.13	7/8		7/8		7/8		7/8	
2	1,975.82	8	2,072.26	2	2,168.26	8	2,264.27	2	2,360.14	8	2,449.61	2		8		2		8	
1/8	1,977.84	1/8	2,074.26	1/8	2,170.26	1/8	2,266.27	1/8	2,362.13	1/8	2,450.76	1/8		1/8		1/8		1/8	
1/4	1,979.85	1/4	2,076.26	1/4	2,172.26	1/4	2,268.27	1/4	2,364.11	1/4	2,451.90	1/4		1/4		1/4		1/4	
3/8	1,981.86	3/8	2,078.26	3/8	2,174.26	3/8	2,270.27	3/8	2,366.10	3/8	2,453.05	3/8		3/8		3/8		3/8	
1/2	1,983.88	1/2	2,080.26	1/2	2,176.26	1/2	2,272.27	1/2	2,368.08	1/2	2,454.19	1/2		1/2		1/2		1/2	
5/8	1,985.89	5/8	2,082.26	5/8	2,178.26	5/8	2,274.27	5/8	2,370.07	5/8	2,455.34	5/8		5/8		5/8		5/8	
3/4	1,987.90	3/4	2,084.26	3/4	2,180.26	3/4	2,276.27	3/4	2,372.05	3/4	2,456.48	3/4		3/4		3/4		3/4	
7/8	1,989.92	7/8	2,086.26	7/8	2,182.26	7/8	2,278.27	7/8	2,374.04	7/8	2,457.63	7/8		7/8		7/8		7/8	
3	1,991.93	9	2,088.26	3	2,184.26	9	2,280.27	3	2,376.02	9	2,458.77	3		9		3		9	
1/8	1,993.95	1/8	2,090.26	1/8	2,186.26	1/8	2,282.27	1/8	2,378.01	1/8	2,459.58	1/8		1/8		1/8		1/8	
1/4	1,995.96	1/4	2,092.26	1/4	2,188.26	1/4	2,284.27	1/4	2,379.99	1/4	2,460.39	1/4		1/4		1/4		1/4	
3/8	1,997.97	3/8	2,094.26	3/8	2,190.26	3/8	2,286.27	3/8	2,381.98	3/8		3/8		3/8		3/8		3/8	
1/2	1,999.99	1/2	2,096.26	1/2	2,192.26	1/2	2,288.27	1/2	2,383.96	1/2		1/2		1/2		1/2		1/2	
5/8	2,002.00	5/8	2,098.26	5/8	2,194.26	5/8	2,290.27	5/8	2,385.95	5/8		5/8		5/8		5/8		5/8	
3/4	2,004.02	3/4	2,100.26	3/4	2,196.26	3/4	2,292.27	3/4	2,387.93	3/4		3/4		3/4		3/4		3/4	
7/8	2,006.03	7/8	2,102.26	7/8	2,198.26	7/8	2,294.27	7/8	2,389.92	7/8		7/8		7/8		7/8		7/8	
4	2,008.04	10	2,104.26	4	2,200.26	10	2,296.27	4	2,391.90	10		4		10		4		10	
1/8	2,010.06	1/8	2,106.26	1/8	2,202.26	1/8	2,298.27	1/8	2,393.88	1/8		1/8		1/8		1/8		1/8	
1/4	2,012.07	1/4	2,108.26	1/4	2,204.26	1/4	2,300.27	1/4	2,395.86	1/4		1/4		1/4		1/4		1/4	
3/8	2,014.09	3/8	2,110.26	3/8	2,206.26	3/8	2,302.27	3/8	2,397.84	3/8		3/8		3/8		3/8		3/8	
1/2	2,016.10	1/2	2,112.26	1/2	2,208.26	1/2	2,304.27	1/2	2,399.83	1/2		1/2		1/2		1/2		1/2	
5/8	2,018.11	5/8	2,114.26	5/8	2,210.26	5/8	2,306.27	5/8	2,401.81	5/8		5/8		5/8		5/8		5/8	
3/4	2,020.13	3/4	2,116.26	3/4	2,212.26	3/4	2,308.27	3/4	2,403.79	3/4		3/4		3/4		3/4		3/4	
7/8	2,022.14	7/8	2,118.26	7/8	2,214.26	7/8	2,310.27	7/8	2,405.77	7/8		7/8		7/8		7/8		7/8	
5	2,024.15	11	2,120.26	5	2,216.26	11	2,312.27	5	2,407.75	11		5		11		5		11	
1/8	2,026.16	1/8	2,122.26	1/8	2,218.26	1/8	2,314.27	1/8	2,409.71	1/8		1/8		1/8		1/8		1/8	
1/4	2,028.17	1/4	2,124.26	1/4	2,220.26	1/4	2,316.27	1/4	2,411.67	1/4		1/4		1/4		1/4		1/4	
3/8	2,030.18	3/8	2,126.26	3/8	2,222.26	3/8	2,318.27	3/8	2,413.63	3/8		3/8		3/8		3/8		3/8	
1/2	2,032.19	1/2	2,128.26	1/2	2,224.26	1/2	2,320.27	1/2	2,415.59	1/2		1/2		1/2		1/2		1/2	
5/8	2,034.20	5/8	2,130.26	5/8	2,226.26	5/8	2,322.27	5/8	2,417.54	5/8		5/8		5/8		5/8		5/8	
3/4	2,036.21	3/4	2,132.26	3/4	2,228.26	3/4	2,324.27	3/4	2,419.50	3/4		3/4		3/4		3/4		3/4	
7/8	2,038.22	7/8	2,134.26	7/8	2,230.26	7/8	2,326.27	7/8	2,421.46	7/8		7/8		7/8		7/8		7/8	

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2009

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Pearland, Texas 77588  
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# BARGE "KIRBY 27773"

## 3 PORT INNAGE TABLE

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

GAUGE HEIGHT 15'-10"

IN	0 FT.	IN	0 FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0	15.38	6	119.15	0	225.80	6	333.09	0	443.77	6	554.44	0	665.12	6	775.79	0	886.46	6	997.14
1/8	17.11	1/8	121.38	1/8	228.02	1/8	335.40	1/8	446.07	1/8	556.75	1/8	667.42	1/8	778.09	1/8	888.77	1/8	999.44
1/4	18.83	1/4	123.60	1/4	230.24	1/4	337.71	1/4	448.38	1/4	559.05	1/4	669.73	1/4	780.40	1/4	891.07	1/4	1,001.75
3/8	20.56	3/8	125.83	3/8	232.46	3/8	340.01	3/8	450.69	3/8	561.36	3/8	672.03	3/8	782.71	3/8	893.38	3/8	1,004.05
1/2	22.29	1/2	128.05	1/2	234.68	1/2	342.32	1/2	452.99	1/2	563.66	1/2	674.34	1/2	785.01	1/2	895.69	1/2	1,006.36
5/8	24.02	5/8	130.28	5/8	236.90	5/8	344.62	5/8	455.30	5/8	565.97	5/8	676.64	5/8	787.32	5/8	897.99	5/8	1,008.66
3/4	25.75	3/4	132.50	3/4	239.12	3/4	346.93	3/4	457.60	3/4	568.28	3/4	678.95	3/4	789.62	3/4	900.30	3/4	1,010.97
7/8	27.47	7/8	134.72	7/8	241.34	7/8	349.23	7/8	459.91	7/8	570.58	7/8	681.26	7/8	791.93	7/8	902.60	7/8	1,013.28
1	29.20	7	136.95	1	243.56	7	351.54	1	462.21	7	572.89	1	683.56	7	794.23	1	904.91	7	1,015.58
1/8	31.35	1/8	139.17	1/8	245.78	1/8	353.85	1/8	464.52	1/8	575.19	1/8	685.87	1/8	796.54	1/8	907.21	1/8	1,017.89
1/4	33.50	1/4	141.40	1/4	248.00	1/4	356.15	1/4	466.82	1/4	577.50	1/4	688.17	1/4	798.85	1/4	909.52	1/4	1,020.19
3/8	35.64	3/8	143.62	3/8	250.22	3/8	358.46	3/8	469.13	3/8	579.80	3/8	690.48	3/8	801.15	3/8	911.83	3/8	1,022.50
1/2	37.79	1/2	145.84	1/2	252.44	1/2	360.76	1/2	471.44	1/2	582.11	1/2	692.78	1/2	803.46	1/2	914.13	1/2	1,024.80
5/8	39.93	5/8	148.07	5/8	254.66	5/8	363.07	5/8	473.74	5/8	584.42	5/8	695.09	5/8	805.76	5/8	916.44	5/8	1,027.11
3/4	42.08	3/4	150.29	3/4	256.88	3/4	365.37	3/4	476.05	3/4	586.72	3/4	697.39	3/4	808.07	3/4	918.74	3/4	1,029.42
7/8	44.23	7/8	152.52	7/8	259.10	7/8	367.68	7/8	478.35	7/8	589.03	7/8	699.70	7/8	810.37	7/8	921.05	7/8	1,031.72
2	46.37	8	154.74	2	261.32	8	369.99	2	480.66	8	591.33	2	702.01	8	812.68	2	923.35	8	1,034.03
1/8	48.66	1/8	156.96	1/8	263.54	1/8	372.29	1/8	482.96	1/8	593.64	1/8	704.31	1/8	814.99	1/8	925.66	1/8	1,036.33
1/4	50.94	1/4	159.18	1/4	265.76	1/4	374.60	1/4	485.27	1/4	595.94	1/4	706.62	1/4	817.29	1/4	927.96	1/4	1,038.64
3/8	53.22	3/8	161.40	3/8	267.98	3/8	376.90	3/8	487.58	3/8	598.25	3/8	708.92	3/8	819.60	3/8	930.27	3/8	1,040.94
1/2	55.51	1/2	163.63	1/2	270.20	1/2	379.21	1/2	489.88	1/2	600.56	1/2	711.23	1/2	821.90	1/2	932.58	1/2	1,043.25
5/8	57.79	5/8	165.85	5/8	272.42	5/8	381.51	5/8	492.19	5/8	602.86	5/8	713.53	5/8	824.21	5/8	934.88	5/8	1,045.56
3/4	60.07	3/4	168.07	3/4	274.64	3/4	383.82	3/4	494.49	3/4	605.17	3/4	715.84	3/4	826.51	3/4	937.19	3/4	1,047.86
7/8	62.36	7/8	170.29	7/8	276.87	7/8	386.13	7/8	496.80	7/8	607.47	7/8	718.15	7/8	828.82	7/8	939.49	7/8	1,050.17
3	64.64	9	172.51	3	279.09	9	388.43	3	499.10	9	609.78	3	720.45	9	831.13	3	941.80	9	1,052.47
1/8	66.93	1/8	174.73	1/8	281.31	1/8	390.74	1/8	501.41	1/8	612.08	1/8	722.76	1/8	833.43	1/8	944.10	1/8	1,054.78
1/4	69.23	1/4	176.95	1/4	283.53	1/4	393.04	1/4	503.72	1/4	614.39	1/4	725.06	1/4	835.74	1/4	946.41	1/4	1,057.08
3/8	71.52	3/8	179.17	3/8	285.75	3/8	395.35	3/8	506.02	3/8	616.70	3/8	727.37	3/8	838.04	3/8	948.72	3/8	1,059.39
1/2	73.81	1/2	181.39	1/2	287.97	1/2	397.65	1/2	508.33	1/2	619.00	1/2	729.67	1/2	840.35	1/2	951.02	1/2	1,061.70
5/8	76.10	5/8	183.61	5/8	290.19	5/8	399.96	5/8	510.63	5/8	621.31	5/8	731.98	5/8	842.65	5/8	953.33	5/8	1,064.00
3/4	78.40	3/4	185.83	3/4	292.41	3/4	402.27	3/4	512.94	3/4	623.61	3/4	734.29	3/4	844.96	3/4	955.63	3/4	1,066.31
7/8	80.69	7/8	188.05	7/8	294.64	7/8	404.57	7/8	515.24	7/8	625.92	7/8	736.59	7/8	847.27	7/8	957.94	7/8	1,068.61
4	82.98	10	190.27	4	296.86	10	406.88	4	517.55	10	628.22	4	738.90	10	849.57	4	960.24	10	1,070.92
1/8	85.26	1/8	192.49	1/8	299.10	1/8	409.18	1/8	519.86	1/8	630.53	1/8	741.20	1/8	851.88	1/8	962.55	1/8	1,073.22
1/4	87.54	1/4	194.71	1/4	301.34	1/4	411.49	1/4	522.16	1/4	632.84	1/4	743.51	1/4	854.18	1/4	964.86	1/4	1,075.53
3/8	89.82	3/8	196.93	3/8	303.59	3/8	413.79	3/8	524.47	3/8	635.14	3/8	745.81	3/8	856.49	3/8	967.16	3/8	1,077.84
1/2	92.10	1/2	199.15	1/2	305.83	1/2	416.10	1/2	526.77	1/2	637.45	1/2	748.12	1/2	858.79	1/2	969.47	1/2	1,080.14
5/8	94.38	5/8	201.38	5/8	308.08	5/8	418.41	5/8	529.08	5/8	639.75	5/8	750.43	5/8	861.10	5/8	971.77	5/8	1,082.45
3/4	96.66	3/4	203.60	3/4	310.32	3/4	420.71	3/4	531.38	3/4	642.06	3/4	752.73	3/4	863.41	3/4	974.08	3/4	1,084.75
7/8	98.94	7/8	205.82	7/8	312.57	7/8	423.02	7/8	533.69	7/8	644.36	7/8	755.04	7/8	865.71	7/8	976.38	7/8	1,087.06
5	101.22	11	208.04	5	314.81	11	425.32	5	536.00	11	646.67	5	757.34	11	868.02	5	978.69	11	1,089.36
1/8	103.46	1/8	210.26	1/8	317.10	1/8	427.63	1/8	538.30	1/8	648.98	1/8	759.65	1/8	870.32	1/8	981.00	1/8	1,091.67
1/4	105.70	1/4	212.48	1/4	319.38	1/4	429.93	1/4	540.61	1/4	651.28	1/4	761.95	1/4	872.63	1/4	983.30	1/4	1,093.98
3/8	107.94	3/8	214.70	3/8	321.67	3/8	432.24	3/8	542.91	3/8	653.59	3/8	764.26	3/8	874.93	3/8	985.61	3/8	1,096.28
1/2	110.18	1/2	216.92	1/2	323.95	1/2	434.55	1/2	545.22	1/2	655.89	1/2	766.57	1/2	877.24	1/2	987.91	1/2	1,098.59
5/8	112.43	5/8	219.14	5/8	326.24	5/8	436.85	5/8	547.52	5/8	658.20	5/8	768.87	5/8	879.55	5/8	990.22	5/8	1,100.89
3/4	114.67	3/4	221.36	3/4	328.52	3/4	439.16	3/4	549.83	3/4	660.50	3/4	771.18	3/4	881.85	3/4	992.52	3/4	1,103.20
7/8	116.91	7/8	223.58	7/8	330.81	7/8	441.46	7/8	552.14	7/8	662.81	7/8	773.48	7/8	884.16	7/8	994.83	7/8	1,105.50

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 AT 2" DIAMETER STANDPIPE

GAUGE POINT: (MANUAL) LOCATED 10'-10" OFF CENTERLINE AND 27'-02" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT

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Pearland, Texas 77588

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# BARGE "KIRBY 27773"

## 3 PORT INNAGE TABLE

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

GAUGE HEIGHT 15'-10"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	1,107.81	6	1,218.48	0	1,329.16	6	1,439.83	0	1,550.50	6	1,661.17	0	1,771.84	6	1,882.51	0	1,993.18	6	2,103.85
1/8	1,110.12	1/8	1,220.79	1/8	1,331.46	1/8	1,442.14	1/8	1,552.81	1/8	1,663.47	1/8	1,774.12	1/8	1,884.76	1/8	1,995.40	1/8	2,106.05
1/4	1,112.42	1/4	1,223.09	1/4	1,333.77	1/4	1,444.44	1/4	1,555.12	1/4	1,665.78	1/4	1,776.42	1/4	1,887.07	1/4	1,997.71	1/4	2,108.35
3/8	1,114.73	3/8	1,225.40	3/8	1,336.07	3/8	1,446.75	3/8	1,557.42	3/8	1,668.08	3/8	1,778.73	3/8	1,889.37	3/8	2,000.02	3/8	2,110.66
1/2	1,117.03	1/2	1,227.71	1/2	1,338.38	1/2	1,449.05	1/2	1,559.73	1/2	1,670.39	1/2	1,781.03	1/2	1,891.68	1/2	2,002.32	1/2	2,112.97
5/8	1,119.34	5/8	1,230.01	5/8	1,340.69	5/8	1,451.36	5/8	1,562.03	5/8	1,672.69	5/8	1,783.34	5/8	1,893.98	5/8	2,004.63	5/8	2,115.27
3/4	1,121.64	3/4	1,232.32	3/4	1,342.99	3/4	1,453.66	3/4	1,564.34	3/4	1,675.00	3/4	1,785.64	3/4	1,896.29	3/4	2,006.93	3/4	2,117.58
7/8	1,123.95	7/8	1,234.62	7/8	1,345.30	7/8	1,455.97	7/8	1,566.64	7/8	1,677.30	7/8	1,787.95	7/8	1,898.59	7/8	2,009.24	7/8	2,119.88
1	1,126.26	7	1,236.93	1	1,347.60	7	1,458.28	1	1,568.95	7	1,679.61	1	1,790.25	7	1,900.90	1	2,011.54	7	2,122.19
1/8	1,128.56	1/8	1,239.23	1/8	1,349.91	1/8	1,460.58	1/8	1,571.26	1/8	1,681.91	1/8	1,792.56	1/8	1,903.20	1/8	2,013.85	1/8	2,124.49
1/4	1,130.87	1/4	1,241.54	1/4	1,352.21	1/4	1,462.89	1/4	1,573.56	1/4	1,684.22	1/4	1,794.86	1/4	1,905.51	1/4	2,016.15	1/4	2,126.80
3/8	1,133.17	3/8	1,243.85	3/8	1,354.52	3/8	1,465.19	3/8	1,575.87	3/8	1,686.52	3/8	1,797.17	3/8	1,907.81	3/8	2,018.46	3/8	2,129.10
1/2	1,135.48	1/2	1,246.15	1/2	1,356.83	1/2	1,467.50	1/2	1,578.17	1/2	1,688.83	1/2	1,799.47	1/2	1,910.12	1/2	2,020.76	1/2	2,131.41
5/8	1,137.78	5/8	1,248.46	5/8	1,359.13	5/8	1,469.80	5/8	1,580.48	5/8	1,691.13	5/8	1,801.78	5/8	1,912.42	5/8	2,023.07	5/8	2,133.71
3/4	1,140.09	3/4	1,250.76	3/4	1,361.44	3/4	1,472.11	3/4	1,582.78	3/4	1,693.44	3/4	1,804.08	3/4	1,914.73	3/4	2,025.37	3/4	2,136.02
7/8	1,142.40	7/8	1,253.07	7/8	1,363.74	7/8	1,474.42	7/8	1,585.09	7/8	1,695.74	7/8	1,806.39	7/8	1,917.03	7/8	2,027.68	7/8	2,138.32
2	1,144.70	8	1,255.37	2	1,366.05	8	1,476.72	2	1,587.40	8	1,698.05	2	1,808.69	8	1,919.34	2	2,029.98	8	2,140.63
1/8	1,147.01	1/8	1,257.68	1/8	1,368.35	1/8	1,479.03	1/8	1,589.70	1/8	1,700.35	1/8	1,811.00	1/8	1,921.64	1/8	2,032.29	1/8	2,142.93
1/4	1,149.31	1/4	1,259.99	1/4	1,370.66	1/4	1,481.33	1/4	1,592.01	1/4	1,702.66	1/4	1,813.30	1/4	1,923.95	1/4	2,034.59	1/4	2,145.24
3/8	1,151.62	3/8	1,262.29	3/8	1,372.96	3/8	1,483.64	3/8	1,594.31	3/8	1,704.96	3/8	1,815.61	3/8	1,926.25	3/8	2,036.90	3/8	2,147.54
1/2	1,153.92	1/2	1,264.60	1/2	1,375.27	1/2	1,485.94	1/2	1,596.62	1/2	1,707.27	1/2	1,817.91	1/2	1,928.56	1/2	2,039.20	1/2	2,149.85
5/8	1,156.23	5/8	1,266.90	5/8	1,377.58	5/8	1,488.25	5/8	1,598.92	5/8	1,709.57	5/8	1,820.22	5/8	1,930.86	5/8	2,041.51	5/8	2,152.15
3/4	1,158.53	3/4	1,269.21	3/4	1,379.88	3/4	1,490.56	3/4	1,601.23	3/4	1,711.88	3/4	1,822.52	3/4	1,933.17	3/4	2,043.81	3/4	2,154.46
7/8	1,160.84	7/8	1,271.51	7/8	1,382.19	7/8	1,492.86	7/8	1,603.53	7/8	1,714.18	7/8	1,824.83	7/8	1,935.47	7/8	2,046.12	7/8	2,156.76
3	1,163.15	9	1,273.82	3	1,384.49	9	1,495.17	3	1,605.84	9	1,716.49	3	1,827.13	9	1,937.78	3	2,048.42	9	2,159.07
1/8	1,165.45	1/8	1,276.13	1/8	1,386.80	1/8	1,497.47	1/8	1,608.15	1/8	1,718.79	1/8	1,829.44	1/8	1,940.08	1/8	2,050.73	1/8	2,161.37
1/4	1,167.76	1/4	1,278.43	1/4	1,389.10	1/4	1,499.78	1/4	1,610.45	1/4	1,721.10	1/4	1,831.74	1/4	1,942.39	1/4	2,053.03	1/4	2,163.68
3/8	1,170.06	3/8	1,280.74	3/8	1,391.41	3/8	1,502.08	3/8	1,612.76	3/8	1,723.40	3/8	1,834.05	3/8	1,944.69	3/8	2,055.34	3/8	2,165.98
1/2	1,172.37	1/2	1,283.04	1/2	1,393.72	1/2	1,504.39	1/2	1,615.06	1/2	1,725.71	1/2	1,836.35	1/2	1,947.00	1/2	2,057.64	1/2	2,168.29
5/8	1,174.67	5/8	1,285.35	5/8	1,396.02	5/8	1,506.70	5/8	1,617.37	5/8	1,728.01	5/8	1,838.66	5/8	1,949.30	5/8	2,059.95	5/8	2,170.59
3/4	1,176.98	3/4	1,287.65	3/4	1,398.33	3/4	1,509.00	3/4	1,619.67	3/4	1,730.32	3/4	1,840.96	3/4	1,951.61	3/4	2,062.25	3/4	2,172.90
7/8	1,179.29	7/8	1,289.96	7/8	1,400.63	7/8	1,511.31	7/8	1,621.98	7/8	1,732.62	7/8	1,843.27	7/8	1,953.91	7/8	2,064.56	7/8	2,175.20
4	1,181.59	10	1,292.27	4	1,402.94	10	1,513.61	4	1,624.28	10	1,734.93	4	1,845.57	10	1,956.22	4	2,066.86	10	2,177.51
1/8	1,183.90	1/8	1,294.57	1/8	1,405.24	1/8	1,515.92	1/8	1,626.59	1/8	1,737.23	1/8	1,847.88	1/8	1,958.52	1/8	2,069.17	1/8	2,179.81
1/4	1,186.20	1/4	1,296.88	1/4	1,407.55	1/4	1,518.22	1/4	1,628.89	1/4	1,739.54	1/4	1,850.18	1/4	1,960.83	1/4	2,071.47	1/4	2,182.12
3/8	1,188.51	3/8	1,299.18	3/8	1,409.86	3/8	1,520.53	3/8	1,631.20	3/8	1,741.84	3/8	1,852.49	3/8	1,963.13	3/8	2,073.78	3/8	2,184.42
1/2	1,190.81	1/2	1,301.49	1/2	1,412.16	1/2	1,522.84	1/2	1,633.50	1/2	1,744.15	1/2	1,854.79	1/2	1,965.44	1/2	2,076.08	1/2	2,186.73
5/8	1,193.12	5/8	1,303.79	5/8	1,414.47	5/8	1,525.14	5/8	1,635.81	5/8	1,746.45	5/8	1,857.10	5/8	1,967.74	5/8	2,078.39	5/8	2,189.03
3/4	1,195.43	3/4	1,306.10	3/4	1,416.77	3/4	1,527.45	3/4	1,638.11	3/4	1,748.76	3/4	1,859.40	3/4	1,970.05	3/4	2,080.69	3/4	2,191.34
7/8	1,197.73	7/8	1,308.41	7/8	1,419.08	7/8	1,529.75	7/8	1,640.42	7/8	1,751.06	7/8	1,861.71	7/8	1,972.35	7/8	2,083.00	7/8	2,193.64
5	1,200.04	11	1,310.71	5	1,421.38	11	1,532.06	5	1,642.72	11	1,753.37	5	1,864.01	11	1,974.66	5	2,085.30	11	2,195.95
1/8	1,202.34	1/8	1,313.02	1/8	1,423.69	1/8	1,534.36	1/8	1,645.03	1/8	1,755.67	1/8	1,866.32	1/8	1,976.96	1/8	2,087.61	1/8	2,198.25
1/4	1,204.65	1/4	1,315.32	1/4	1,426.00	1/4	1,536.67	1/4	1,647.33	1/4	1,757.98	1/4	1,868.62	1/4	1,979.27	1/4	2,089.91	1/4	2,200.56
3/8	1,206.95	3/8	1,317.63	3/8	1,428.30	3/8	1,538.98	3/8	1,649.64	3/8	1,760.28	3/8	1,870.93	3/8	1,981.57	3/8	2,092.22	3/8	2,202.86
1/2	1,209.26	1/2	1,319.93	1/2	1,430.61	1/2	1,541.28	1/2	1,651.95	1/2	1,762.59	1/2	1,873.23	1/2	1,983.88	1/2	2,094.52	1/2	2,205.17
5/8	1,211.57	5/8	1,322.24	5/8	1,432.91	5/8	1,543.59	5/8	1,654.25	5/8	1,764.89	5/8	1,875.54	5/8	1,986.18	5/8	2,096.83	5/8	2,207.47
3/4	1,213.87	3/4	1,324.55	3/4	1,435.22	3/4	1,545.89	3/4	1,656.56	3/4	1,767.20	3/4	1,877.84	3/4	1,988.49	3/4	2,099.13	3/4	2,209.78
7/8	1,216.18	7/8	1,326.85	7/8	1,437.52	7/8	1,548.20	7/8	1,658.86	7/8	1,769.51	7/8	1,880.15	7/8	1,990.79	7/8	2,101.44	7/8	2,212.08

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# BARGE "KIRBY 27773"

## 3 PORT INNAGE TABLE

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

GAUGE HEIGHT 15'-10"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	2,214.39	6	2,324.91	0	2,434.67	6	2,544.40	0	2,654.12	6	2,762.97	0		6		0		6	
1/8	2,216.69	1/8	2,327.20	1/8	2,436.95	1/8	2,546.68	1/8	2,656.41	1/8	2,765.02	1/8		1/8		1/8		1/8	
1/4	2,219.00	1/4	2,329.49	1/4	2,439.24	1/4	2,548.97	1/4	2,658.69	1/4	2,767.08	1/4		1/4		1/4		1/4	
3/8	2,221.30	3/8	2,331.78	3/8	2,441.53	3/8	2,551.25	3/8	2,660.97	3/8	2,769.13	3/8		3/8		3/8		3/8	
1/2	2,223.61	1/2	2,334.07	1/2	2,443.81	1/2	2,553.54	1/2	2,663.25	1/2	2,771.18	1/2		1/2		1/2		1/2	
5/8	2,225.91	5/8	2,336.36	5/8	2,446.10	5/8	2,555.83	5/8	2,665.54	5/8	2,773.23	5/8		5/8		5/8		5/8	
3/4	2,228.22	3/4	2,338.65	3/4	2,448.38	3/4	2,558.11	3/4	2,667.82	3/4	2,775.28	3/4		3/4		3/4		3/4	
7/8	2,230.53	7/8	2,340.94	7/8	2,450.67	7/8	2,560.40	7/8	2,670.10	7/8	2,777.33	7/8		7/8		7/8		7/8	
1	2,232.83	7	2,343.23	1	2,452.96	7	2,562.68	1	2,672.38	7	2,779.38	1		7		1		7	
1/8	2,235.13	1/8	2,345.51	1/8	2,455.24	1/8	2,564.97	1/8	2,674.66	1/8	2,781.08	1/8		1/8		1/8		1/8	
1/4	2,237.44	1/4	2,347.80	1/4	2,457.53	1/4	2,567.26	1/4	2,676.93	1/4	2,782.77	1/4		1/4		1/4		1/4	
3/8	2,239.74	3/8	2,350.09	3/8	2,459.81	3/8	2,569.54	3/8	2,679.21	3/8	2,784.47	3/8		3/8		3/8		3/8	
1/2	2,242.05	1/2	2,352.37	1/2	2,462.10	1/2	2,571.83	1/2	2,681.48	1/2	2,786.16	1/2		1/2		1/2		1/2	
5/8	2,244.35	5/8	2,354.66	5/8	2,464.39	5/8	2,574.11	5/8	2,683.76	5/8	2,787.86	5/8		5/8		5/8		5/8	
3/4	2,246.66	3/4	2,356.94	3/4	2,466.67	3/4	2,576.40	3/4	2,686.03	3/4	2,789.55	3/4		3/4		3/4		3/4	
7/8	2,248.96	7/8	2,359.23	7/8	2,468.96	7/8	2,578.69	7/8	2,688.31	7/8	2,791.25	7/8		7/8		7/8		7/8	
2	2,251.26	8	2,361.52	2	2,471.24	8	2,580.97	2	2,690.58	8	2,792.94	2		8		2		8	
1/8	2,253.57	1/8	2,363.80	1/8	2,473.53	1/8	2,583.26	1/8	2,692.85	1/8	2,794.25	1/8		1/8		1/8		1/8	
1/4	2,255.87	1/4	2,366.09	1/4	2,475.82	1/4	2,585.54	1/4	2,695.12	1/4	2,795.56	1/4		1/4		1/4		1/4	
3/8	2,258.17	3/8	2,368.37	3/8	2,478.10	3/8	2,587.83	3/8	2,697.40	3/8	2,796.87	3/8		3/8		3/8		3/8	
1/2	2,260.48	1/2	2,370.66	1/2	2,480.39	1/2	2,590.12	1/2	2,699.67	1/2	2,798.18	1/2		1/2		1/2		1/2	
5/8	2,262.78	5/8	2,372.95	5/8	2,482.67	5/8	2,592.40	5/8	2,701.94	5/8	2,799.49	5/8		5/8		5/8		5/8	
3/4	2,265.08	3/4	2,375.23	3/4	2,484.96	3/4	2,594.69	3/4	2,704.21	3/4	2,800.81	3/4		3/4		3/4		3/4	
7/8	2,267.38	7/8	2,377.52	7/8	2,487.25	7/8	2,596.97	7/8	2,706.48	7/8	2,802.12	7/8		7/8		7/8		7/8	
3	2,269.69	9	2,379.80	3	2,489.53	9	2,599.26	3	2,708.75	9	2,803.43	3		9		3		9	
1/8	2,271.99	1/8	2,382.09	1/8	2,491.82	1/8	2,601.55	1/8	2,711.02	1/8	2,804.35	1/8		1/8		1/8		1/8	
1/4	2,274.29	1/4	2,384.38	1/4	2,494.10	1/4	2,603.83	1/4	2,713.29	1/4	2,805.28	1/4		1/4		1/4		1/4	
3/8	2,276.60	3/8	2,386.66	3/8	2,496.39	3/8	2,606.12	3/8	2,715.56	3/8		3/8		3/8		3/8		3/8	
1/2	2,278.90	1/2	2,388.95	1/2	2,498.68	1/2	2,608.40	1/2	2,717.83	1/2		1/2		1/2		1/2		1/2	
5/8	2,281.20	5/8	2,391.23	5/8	2,500.96	5/8	2,610.69	5/8	2,720.10	5/8		5/8		5/8		5/8		5/8	
3/4	2,283.50	3/4	2,393.52	3/4	2,503.25	3/4	2,612.98	3/4	2,722.37	3/4		3/4		3/4		3/4		3/4	
7/8	2,285.81	7/8	2,395.81	7/8	2,505.53	7/8	2,615.26	7/8	2,724.64	7/8		7/8		7/8		7/8		7/8	
4	2,288.11	10	2,398.09	4	2,507.82	10	2,617.55	4	2,726.91	10		4		10		4		10	
1/8	2,290.41	1/8	2,400.38	1/8	2,510.11	1/8	2,619.83	1/8	2,729.18	1/8		1/8		1/8		1/8		1/8	
1/4	2,292.72	1/4	2,402.66	1/4	2,512.39	1/4	2,622.12	1/4	2,731.45	1/4		1/4		1/4		1/4		1/4	
3/8	2,295.02	3/8	2,404.95	3/8	2,514.68	3/8	2,624.41	3/8	2,733.71	3/8		3/8		3/8		3/8		3/8	
1/2	2,297.32	1/2	2,407.24	1/2	2,516.96	1/2	2,626.69	1/2	2,735.98	1/2		1/2		1/2		1/2		1/2	
5/8	2,299.62	5/8	2,409.52	5/8	2,519.25	5/8	2,628.98	5/8	2,738.25	5/8		5/8		5/8		5/8		5/8	
3/4	2,301.93	3/4	2,411.81	3/4	2,521.54	3/4	2,631.26	3/4	2,740.52	3/4		3/4		3/4		3/4		3/4	
7/8	2,304.23	7/8	2,414.09	7/8	2,523.82	7/8	2,633.55	7/8	2,742.78	7/8		7/8		7/8		7/8		7/8	
5	2,306.53	11	2,416.38	5	2,526.11	11	2,635.84	5	2,745.05	11		5		11		5		11	
1/8	2,308.83	1/8	2,418.67	1/8	2,528.39	1/8	2,638.12	1/8	2,747.29	1/8		1/8		1/8		1/8		1/8	
1/4	2,311.13	1/4	2,420.95	1/4	2,530.68	1/4	2,640.41	1/4	2,749.53	1/4		1/4		1/4		1/4		1/4	
3/8	2,313.42	3/8	2,423.24	3/8	2,532.97	3/8	2,642.69	3/8	2,751.77	3/8		3/8		3/8		3/8		3/8	
1/2	2,315.72	1/2	2,425.52	1/2	2,535.25	1/2	2,644.98	1/2	2,754.01	1/2		1/2		1/2		1/2		1/2	
5/8	2,318.02	5/8	2,427.81	5/8	2,537.54	5/8	2,647.27	5/8	2,756.25	5/8		5/8		5/8		5/8		5/8	
3/4	2,320.32	3/4	2,430.10	3/4	2,539.82	3/4	2,649.55	3/4	2,758.49	3/4		3/4		3/4		3/4		3/4	
7/8	2,322.62	7/8	2,432.38	7/8	2,542.11	7/8	2,651.84	7/8	2,760.73	7/8		7/8		7/8		7/8		7/8	

STRAPPED: 09/10/2009 CL - SW  
 RECALCULATED: 12/04/2009 CL  
 REPRINTED: 12/04/2009 SW

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 09/2009

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 27773"

**3 STBD  
INNAGE TABLE**

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

**GAUGE HEIGHT 15'-10"**

IN	0 FT.	IN	0 FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0	15.38	6	119.80	0	230.31	6	340.82	0	451.49	6	562.17	0	672.84	6	783.51	0	894.19	6	1,004.86
1/8	17.11	1/8	122.10	1/8	232.61	1/8	343.13	1/8	453.80	1/8	564.47	1/8	675.15	1/8	785.82	1/8	896.49	1/8	1,007.17
1/4	18.83	1/4	124.41	1/4	234.91	1/4	345.43	1/4	456.10	1/4	566.78	1/4	677.45	1/4	788.13	1/4	898.80	1/4	1,009.47
3/8	20.56	3/8	126.71	3/8	237.21	3/8	347.74	3/8	458.41	3/8	569.08	3/8	679.76	3/8	790.43	3/8	901.11	3/8	1,011.78
1/2	22.29	1/2	129.02	1/2	239.51	1/2	350.04	1/2	460.72	1/2	571.39	1/2	682.06	1/2	792.74	1/2	903.41	1/2	1,014.08
5/8	24.02	5/8	131.32	5/8	241.81	5/8	352.35	5/8	463.02	5/8	573.70	5/8	684.37	5/8	795.04	5/8	905.72	5/8	1,016.39
3/4	25.75	3/4	133.63	3/4	244.11	3/4	354.65	3/4	465.33	3/4	576.00	3/4	686.67	3/4	797.35	3/4	908.02	3/4	1,018.70
7/8	27.47	7/8	135.93	7/8	246.41	7/8	356.96	7/8	467.63	7/8	578.31	7/8	688.98	7/8	799.65	7/8	910.33	7/8	1,021.00
1	29.20	7	138.24	1	248.71	7	359.27	1	469.94	7	580.61	1	691.29	7	801.96	1	912.63	7	1,023.31
1/8	31.35	1/8	140.54	1/8	251.01	1/8	361.57	1/8	472.24	1/8	582.92	1/8	693.59	1/8	804.27	1/8	914.94	1/8	1,025.61
1/4	33.50	1/4	142.85	1/4	253.31	1/4	363.88	1/4	474.55	1/4	585.22	1/4	695.90	1/4	806.57	1/4	917.24	1/4	1,027.92
3/8	35.64	3/8	145.15	3/8	255.61	3/8	366.18	3/8	476.86	3/8	587.53	3/8	698.20	3/8	808.88	3/8	919.55	3/8	1,030.22
1/2	37.79	1/2	147.45	1/2	257.92	1/2	368.49	1/2	479.16	1/2	589.84	1/2	700.51	1/2	811.18	1/2	921.86	1/2	1,032.53
5/8	39.93	5/8	149.76	5/8	260.22	5/8	370.79	5/8	481.47	5/8	592.14	5/8	702.81	5/8	813.49	5/8	924.16	5/8	1,034.84
3/4	42.08	3/4	152.06	3/4	262.52	3/4	373.10	3/4	483.77	3/4	594.45	3/4	705.12	3/4	815.79	3/4	926.47	3/4	1,037.14
7/8	44.23	7/8	154.37	7/8	264.82	7/8	375.41	7/8	486.08	7/8	596.75	7/8	707.43	7/8	818.10	7/8	928.77	7/8	1,039.45
2	46.37	8	156.67	2	267.12	8	377.71	2	488.38	8	599.06	2	709.73	8	820.41	2	931.08	8	1,041.75
1/8	48.66	1/8	158.97	1/8	269.42	1/8	380.02	1/8	490.69	1/8	601.36	1/8	712.04	1/8	822.71	1/8	933.38	1/8	1,044.06
1/4	50.94	1/4	161.27	1/4	271.72	1/4	382.32	1/4	493.00	1/4	603.67	1/4	714.34	1/4	825.02	1/4	935.69	1/4	1,046.36
3/8	53.22	3/8	163.58	3/8	274.02	3/8	384.63	3/8	495.30	3/8	605.98	3/8	716.65	3/8	827.32	3/8	938.00	3/8	1,048.67
1/2	55.51	1/2	165.88	1/2	276.32	1/2	386.93	1/2	497.61	1/2	608.28	1/2	718.95	1/2	829.63	1/2	940.30	1/2	1,050.98
5/8	57.79	5/8	168.18	5/8	278.62	5/8	389.24	5/8	499.91	5/8	610.59	5/8	721.26	5/8	831.93	5/8	942.61	5/8	1,053.28
3/4	60.07	3/4	170.48	3/4	280.92	3/4	391.55	3/4	502.22	3/4	612.89	3/4	723.57	3/4	834.24	3/4	944.91	3/4	1,055.59
7/8	62.36	7/8	172.78	7/8	283.22	7/8	393.85	7/8	504.52	7/8	615.20	7/8	725.87	7/8	836.55	7/8	947.22	7/8	1,057.89
3	64.64	9	175.09	3	285.52	9	396.16	3	506.83	9	617.50	3	728.18	9	838.85	3	949.52	9	1,060.20
1/8	66.93	1/8	177.39	1/8	287.83	1/8	398.46	1/8	509.14	1/8	619.81	1/8	730.48	1/8	841.16	1/8	951.83	1/8	1,062.50
1/4	69.23	1/4	179.69	1/4	290.13	1/4	400.77	1/4	511.44	1/4	622.12	1/4	732.79	1/4	843.46	1/4	954.14	1/4	1,064.81
3/8	71.52	3/8	181.99	3/8	292.43	3/8	403.07	3/8	513.75	3/8	624.42	3/8	735.09	3/8	845.77	3/8	956.44	3/8	1,067.12
1/2	73.81	1/2	184.29	1/2	294.73	1/2	405.38	1/2	516.05	1/2	626.73	1/2	737.40	1/2	848.07	1/2	958.75	1/2	1,069.42
5/8	76.10	5/8	186.59	5/8	297.03	5/8	407.69	5/8	518.36	5/8	629.03	5/8	739.71	5/8	850.38	5/8	961.05	5/8	1,071.73
3/4	78.40	3/4	188.89	3/4	299.33	3/4	409.99	3/4	520.66	3/4	631.34	3/4	742.01	3/4	852.69	3/4	963.36	3/4	1,074.03
7/8	80.69	7/8	191.19	7/8	301.64	7/8	412.30	7/8	522.97	7/8	633.64	7/8	744.32	7/8	854.99	7/8	965.66	7/8	1,076.34
4	82.98	10	193.49	4	303.94	10	414.60	4	525.28	10	635.95	4	746.62	10	857.30	4	967.97	10	1,078.64
1/8	85.28	1/8	195.79	1/8	306.24	1/8	416.91	1/8	527.58	1/8	638.26	1/8	748.93	1/8	859.60	1/8	970.28	1/8	1,080.95
1/4	87.58	1/4	198.09	1/4	308.55	1/4	419.21	1/4	529.89	1/4	640.56	1/4	751.23	1/4	861.91	1/4	972.58	1/4	1,083.26
3/8	89.88	3/8	200.40	3/8	310.85	3/8	421.52	3/8	532.19	3/8	642.87	3/8	753.54	3/8	864.21	3/8	974.89	3/8	1,085.56
1/2	92.18	1/2	202.70	1/2	313.16	1/2	423.83	1/2	534.50	1/2	645.17	1/2	755.85	1/2	866.52	1/2	977.19	1/2	1,087.87
5/8	94.48	5/8	205.00	5/8	315.46	5/8	426.13	5/8	536.80	5/8	647.48	5/8	758.15	5/8	868.83	5/8	979.50	5/8	1,090.17
3/4	96.78	3/4	207.30	3/4	317.77	3/4	428.44	3/4	539.11	3/4	649.78	3/4	760.46	3/4	871.13	3/4	981.80	3/4	1,092.48
7/8	99.08	7/8	209.60	7/8	320.07	7/8	430.74	7/8	541.42	7/8	652.09	7/8	762.76	7/8	873.44	7/8	984.11	7/8	1,094.78
5	101.38	11	211.90	5	322.37	11	433.05	5	543.72	11	654.40	5	765.07	11	875.74	5	986.42	11	1,097.09
1/8	103.68	1/8	214.20	1/8	324.68	1/8	435.35	1/8	546.03	1/8	656.70	1/8	767.37	1/8	878.05	1/8	988.72	1/8	1,099.40
1/4	105.98	1/4	216.50	1/4	326.99	1/4	437.66	1/4	548.33	1/4	659.01	1/4	769.68	1/4	880.35	1/4	991.03	1/4	1,101.70
3/8	108.28	3/8	218.80	3/8	329.29	3/8	439.97	3/8	550.64	3/8	661.31	3/8	771.99	3/8	882.66	3/8	993.33	3/8	1,104.01
1/2	110.59	1/2	221.10	1/2	331.60	1/2	442.27	1/2	552.94	1/2	663.62	1/2	774.29	1/2	884.97	1/2	995.64	1/2	1,106.31
5/8	112.89	5/8	223.40	5/8	333.90	5/8	444.58	5/8	555.25	5/8	665.92	5/8	776.60	5/8	887.27	5/8	997.94	5/8	1,108.62
3/4	115.19	3/4	225.70	3/4	336.21	3/4	446.88	3/4	557.56	3/4	668.23	3/4	778.90	3/4	889.58	3/4	1,000.25	3/4	1,110.92
7/8	117.50	7/8	228.00	7/8	338.51	7/8	449.19	7/8	559.86	7/8	670.54	7/8	781.21	7/8	891.88	7/8	1,002.56	7/8	1,113.23

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 AT 2" DIAMETER STANDPIPE

GAUGE POINT: (MANUAL) LOCATED 10'-10" OFF CENTERLINE AND 27'-02" 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 27773"

## 3 STBD INNAGE TABLE

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

GAUGE HEIGHT 15'-10"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	1,115.54	6	1,226.21	0	1,336.88	6	1,447.56	0	1,558.23	6	1,668.89	0	1,779.54	6	1,890.18	0	2,000.83	6	2,111.47
1/8	1,117.84	1/8	1,228.51	1/8	1,339.19	1/8	1,449.86	1/8	1,560.54	1/8	1,671.20	1/8	1,781.84	1/8	1,892.49	1/8	2,003.13	1/8	2,113.78
1/4	1,120.15	1/4	1,230.82	1/4	1,341.49	1/4	1,452.17	1/4	1,562.84	1/4	1,673.50	1/4	1,784.15	1/4	1,894.79	1/4	2,005.44	1/4	2,116.08
3/8	1,122.45	3/8	1,233.13	3/8	1,343.80	3/8	1,454.47	3/8	1,565.15	3/8	1,675.81	3/8	1,786.45	3/8	1,897.10	3/8	2,007.74	3/8	2,118.39
1/2	1,124.76	1/2	1,235.43	1/2	1,346.11	1/2	1,456.78	1/2	1,567.45	1/2	1,678.11	1/2	1,788.76	1/2	1,899.40	1/2	2,010.05	1/2	2,120.69
5/8	1,127.06	5/8	1,237.74	5/8	1,348.41	5/8	1,459.08	5/8	1,569.76	5/8	1,680.42	5/8	1,791.06	5/8	1,901.71	5/8	2,012.35	5/8	2,123.00
3/4	1,129.37	3/4	1,240.04	3/4	1,350.72	3/4	1,461.39	3/4	1,572.06	3/4	1,682.72	3/4	1,793.37	3/4	1,904.01	3/4	2,014.66	3/4	2,125.30
7/8	1,131.68	7/8	1,242.35	7/8	1,353.02	7/8	1,463.70	7/8	1,574.37	7/8	1,685.03	7/8	1,795.67	7/8	1,906.32	7/8	2,016.96	7/8	2,127.61
1	1,133.98	7	1,244.65	1	1,355.33	7	1,466.00	1	1,576.68	7	1,687.33	1	1,797.98	7	1,908.62	1	2,019.27	7	2,129.91
1/8	1,136.29	1/8	1,246.96	1/8	1,357.63	1/8	1,468.31	1/8	1,578.98	1/8	1,689.64	1/8	1,800.28	1/8	1,910.93	1/8	2,021.57	1/8	2,132.22
1/4	1,138.59	1/4	1,249.27	1/4	1,359.94	1/4	1,470.61	1/4	1,581.29	1/4	1,691.94	1/4	1,802.59	1/4	1,913.23	1/4	2,023.88	1/4	2,134.52
3/8	1,140.90	3/8	1,251.57	3/8	1,362.24	3/8	1,472.92	3/8	1,583.59	3/8	1,694.25	3/8	1,804.89	3/8	1,915.54	3/8	2,026.18	3/8	2,136.83
1/2	1,143.20	1/2	1,253.88	1/2	1,364.55	1/2	1,475.22	1/2	1,585.90	1/2	1,696.55	1/2	1,807.20	1/2	1,917.84	1/2	2,028.49	1/2	2,139.13
5/8	1,145.51	5/8	1,256.18	5/8	1,366.86	5/8	1,477.53	5/8	1,588.20	5/8	1,698.86	5/8	1,809.50	5/8	1,920.15	5/8	2,030.79	5/8	2,141.44
3/4	1,147.81	3/4	1,258.49	3/4	1,369.16	3/4	1,479.84	3/4	1,590.51	3/4	1,701.16	3/4	1,811.81	3/4	1,922.45	3/4	2,033.10	3/4	2,143.74
7/8	1,150.12	7/8	1,260.79	7/8	1,371.47	7/8	1,482.14	7/8	1,592.81	7/8	1,703.47	7/8	1,814.11	7/8	1,924.76	7/8	2,035.40	7/8	2,146.05
2	1,152.43	8	1,263.10	2	1,373.77	8	1,484.45	2	1,595.12	8	1,705.77	2	1,816.42	8	1,927.06	2	2,037.71	8	2,148.35
1/8	1,154.73	1/8	1,265.41	1/8	1,376.08	1/8	1,486.75	1/8	1,597.43	1/8	1,708.08	1/8	1,818.72	1/8	1,929.37	1/8	2,040.01	1/8	2,150.66
1/4	1,157.04	1/4	1,267.71	1/4	1,378.38	1/4	1,489.06	1/4	1,599.73	1/4	1,710.38	1/4	1,821.03	1/4	1,931.67	1/4	2,042.32	1/4	2,152.96
3/8	1,159.34	3/8	1,270.02	3/8	1,380.69	3/8	1,491.36	3/8	1,602.04	3/8	1,712.69	3/8	1,823.33	3/8	1,933.98	3/8	2,044.62	3/8	2,155.27
1/2	1,161.65	1/2	1,272.32	1/2	1,383.00	1/2	1,493.67	1/2	1,604.34	1/2	1,714.99	1/2	1,825.64	1/2	1,936.28	1/2	2,046.93	1/2	2,157.57
5/8	1,163.95	5/8	1,274.63	5/8	1,385.30	5/8	1,495.98	5/8	1,606.65	5/8	1,717.30	5/8	1,827.94	5/8	1,938.59	5/8	2,049.23	5/8	2,159.88
3/4	1,166.26	3/4	1,276.93	3/4	1,387.61	3/4	1,498.28	3/4	1,608.95	3/4	1,719.60	3/4	1,830.25	3/4	1,940.89	3/4	2,051.54	3/4	2,162.18
7/8	1,168.57	7/8	1,279.24	7/8	1,389.91	7/8	1,500.59	7/8	1,611.26	7/8	1,721.91	7/8	1,832.55	7/8	1,943.20	7/8	2,053.84	7/8	2,164.49
3	1,170.87	9	1,281.55	3	1,392.22	9	1,502.89	3	1,613.57	9	1,724.21	3	1,834.86	9	1,945.50	3	2,056.15	9	2,166.79
1/8	1,173.18	1/8	1,283.85	1/8	1,394.52	1/8	1,505.20	1/8	1,615.87	1/8	1,726.52	1/8	1,837.16	1/8	1,947.81	1/8	2,058.45	1/8	2,169.10
1/4	1,175.48	1/4	1,286.16	1/4	1,396.83	1/4	1,507.50	1/4	1,618.18	1/4	1,728.82	1/4	1,839.47	1/4	1,950.11	1/4	2,060.76	1/4	2,171.40
3/8	1,177.79	3/8	1,288.46	3/8	1,399.14	3/8	1,509.81	3/8	1,620.48	3/8	1,731.13	3/8	1,841.77	3/8	1,952.42	3/8	2,063.06	3/8	2,173.71
1/2	1,180.09	1/2	1,290.77	1/2	1,401.44	1/2	1,512.12	1/2	1,622.79	1/2	1,733.43	1/2	1,844.08	1/2	1,954.72	1/2	2,065.37	1/2	2,176.01
5/8	1,182.40	5/8	1,293.07	5/8	1,403.75	5/8	1,514.42	5/8	1,625.09	5/8	1,735.74	5/8	1,846.38	5/8	1,957.03	5/8	2,067.67	5/8	2,178.32
3/4	1,184.71	3/4	1,295.38	3/4	1,406.05	3/4	1,516.73	3/4	1,627.40	3/4	1,738.04	3/4	1,848.69	3/4	1,959.33	3/4	2,069.98	3/4	2,180.62
7/8	1,187.01	7/8	1,297.69	7/8	1,408.36	7/8	1,519.03	7/8	1,629.70	7/8	1,740.35	7/8	1,850.99	7/8	1,961.64	7/8	2,072.28	7/8	2,182.93
4	1,189.32	10	1,299.99	4	1,410.66	10	1,521.34	4	1,632.01	10	1,742.65	4	1,853.30	10	1,963.94	4	2,074.59	10	2,185.23
1/8	1,191.62	1/8	1,302.30	1/8	1,412.97	1/8	1,523.64	1/8	1,634.31	1/8	1,744.96	1/8	1,855.60	1/8	1,966.25	1/8	2,076.89	1/8	2,187.54
1/4	1,193.93	1/4	1,304.60	1/4	1,415.28	1/4	1,525.95	1/4	1,636.62	1/4	1,747.26	1/4	1,857.91	1/4	1,968.55	1/4	2,079.20	1/4	2,189.84
3/8	1,196.23	3/8	1,306.91	3/8	1,417.58	3/8	1,528.26	3/8	1,638.92	3/8	1,749.57	3/8	1,860.21	3/8	1,970.86	3/8	2,081.50	3/8	2,192.15
1/2	1,198.54	1/2	1,309.21	1/2	1,419.89	1/2	1,530.56	1/2	1,641.23	1/2	1,751.87	1/2	1,862.52	1/2	1,973.16	1/2	2,083.81	1/2	2,194.45
5/8	1,200.85	5/8	1,311.52	5/8	1,422.19	5/8	1,532.87	5/8	1,643.53	5/8	1,754.18	5/8	1,864.82	5/8	1,975.47	5/8	2,086.11	5/8	2,196.76
3/4	1,203.15	3/4	1,313.83	3/4	1,424.50	3/4	1,535.17	3/4	1,645.84	3/4	1,756.48	3/4	1,867.13	3/4	1,977.77	3/4	2,088.42	3/4	2,199.06
7/8	1,205.46	7/8	1,316.13	7/8	1,426.80	7/8	1,537.48	7/8	1,648.15	7/8	1,758.79	7/8	1,869.43	7/8	1,980.08	7/8	2,090.72	7/8	2,201.37
5	1,207.76	11	1,318.44	5	1,429.11	11	1,539.78	5	1,650.45	11	1,761.10	5	1,871.74	11	1,982.38	5	2,093.03	11	2,203.67
1/8	1,210.07	1/8	1,320.74	1/8	1,431.42	1/8	1,542.09	1/8	1,652.76	1/8	1,763.40	1/8	1,874.04	1/8	1,984.69	1/8	2,095.33	1/8	2,205.98
1/4	1,212.37	1/4	1,323.05	1/4	1,433.72	1/4	1,544.40	1/4	1,655.06	1/4	1,765.71	1/4	1,876.35	1/4	1,986.99	1/4	2,097.64	1/4	2,208.28
3/8	1,214.68	3/8	1,325.35	3/8	1,436.03	3/8	1,546.70	3/8	1,657.37	3/8	1,768.01	3/8	1,878.66	3/8	1,989.30	3/8	2,099.94	3/8	2,210.59
1/2	1,216.99	1/2	1,327.66	1/2	1,438.33	1/2	1,549.01	1/2	1,659.67	1/2	1,770.32	1/2	1,880.96	1/2	1,991.61	1/2	2,102.25	1/2	2,212.89
5/8	1,219.29	5/8	1,329.97	5/8	1,440.64	5/8	1,551.31	5/8	1,661.98	5/8	1,772.62	5/8	1,883.27	5/8	1,993.91	5/8	2,104.55	5/8	2,215.20
3/4	1,221.60	3/4	1,332.27	3/4	1,442.94	3/4	1,553.62	3/4	1,664.28	3/4	1,774.93	3/4	1,885.57	3/4	1,996.22	3/4	2,106.86	3/4	2,217.50
7/8	1,223.90	7/8	1,334.58	7/8	1,445.25	7/8	1,555.92	7/8	1,666.59	7/8	1,777.23	7/8	1,887.88	7/8	1,998.52	7/8	2,109.17	7/8	2,219.81

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# BARGE "KIRBY 27773"

**3 STBD  
INNAGE TABLE**

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

GUAGE HEIGHT 15'-10"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	2,222.12	6	2,332.64	0	2,442.39	6	2,552.12	0	2,661.85	6	2,770.70	0		6		0		6	
1/8	2,224.42	1/8	2,334.93	1/8	2,444.68	1/8	2,554.41	1/8	2,664.13	1/8	2,772.75	1/8		1/8		1/8		1/8	
1/4	2,226.73	1/4	2,337.22	1/4	2,446.97	1/4	2,556.69	1/4	2,666.41	1/4	2,774.80	1/4		1/4		1/4		1/4	
3/8	2,229.03	3/8	2,339.51	3/8	2,449.25	3/8	2,558.98	3/8	2,668.70	3/8	2,776.85	3/8		3/8		3/8		3/8	
1/2	2,231.34	1/2	2,341.80	1/2	2,451.54	1/2	2,561.27	1/2	2,670.98	1/2	2,779.98	1/2		1/2		1/2		1/2	
5/8	2,233.64	5/8	2,344.09	5/8	2,453.82	5/8	2,563.55	5/8	2,673.26	5/8	2,780.95	5/8		5/8		5/8		5/8	
3/4	2,235.95	3/4	2,346.38	3/4	2,456.11	3/4	2,565.84	3/4	2,675.54	3/4	2,783.01	3/4		3/4		3/4		3/4	
7/8	2,238.25	7/8	2,348.66	7/8	2,458.40	7/8	2,568.12	7/8	2,677.82	7/8	2,785.06	7/8		7/8		7/8		7/8	
1	2,240.56	7	2,350.95	1	2,460.68	7	2,570.41	1	2,680.11	7	2,787.11	1		7		1		7	
1/8	2,242.86	1/8	2,353.24	1/8	2,462.97	1/8	2,572.70	1/8	2,682.38	1/8	2,788.80	1/8		1/8		1/8		1/8	
1/4	2,245.16	1/4	2,355.53	1/4	2,465.25	1/4	2,574.98	1/4	2,684.66	1/4	2,790.50	1/4		1/4		1/4		1/4	
3/8	2,247.47	3/8	2,357.81	3/8	2,467.54	3/8	2,577.27	3/8	2,686.93	3/8	2,792.19	3/8		3/8		3/8		3/8	
1/2	2,249.77	1/2	2,360.10	1/2	2,469.83	1/2	2,579.55	1/2	2,689.21	1/2	2,793.89	1/2		1/2		1/2		1/2	
5/8	2,252.08	5/8	2,362.38	5/8	2,472.11	5/8	2,581.84	5/8	2,691.48	5/8	2,795.58	5/8		5/8		5/8		5/8	
3/4	2,254.38	3/4	2,364.67	3/4	2,474.40	3/4	2,584.13	3/4	2,693.76	3/4	2,797.28	3/4		3/4		3/4		3/4	
7/8	2,256.69	7/8	2,366.96	7/8	2,476.68	7/8	2,586.41	7/8	2,696.03	7/8	2,798.97	7/8		7/8		7/8		7/8	
2	2,258.99	8	2,369.24	2	2,478.97	8	2,588.70	2	2,698.31	8	2,800.67	2		8		2		8	
1/8	2,261.29	1/8	2,371.53	1/8	2,481.26	1/8	2,590.98	1/8	2,700.58	1/8	2,801.98	1/8		1/8		1/8		1/8	
1/4	2,263.60	1/4	2,373.81	1/4	2,483.54	1/4	2,593.27	1/4	2,702.85	1/4	2,803.29	1/4		1/4		1/4		1/4	
3/8	2,265.90	3/8	2,376.10	3/8	2,485.83	3/8	2,595.56	3/8	2,705.12	3/8	2,804.60	3/8		3/8		3/8		3/8	
1/2	2,268.20	1/2	2,378.39	1/2	2,488.11	1/2	2,597.84	1/2	2,707.39	1/2	2,805.91	1/2		1/2		1/2		1/2	
5/8	2,270.50	5/8	2,380.67	5/8	2,490.40	5/8	2,600.13	5/8	2,709.66	5/8	2,807.22	5/8		5/8		5/8		5/8	
3/4	2,272.81	3/4	2,382.96	3/4	2,492.69	3/4	2,602.41	3/4	2,711.93	3/4	2,808.53	3/4		3/4		3/4		3/4	
7/8	2,275.11	7/8	2,385.24	7/8	2,494.97	7/8	2,604.70	7/8	2,714.21	7/8	2,809.84	7/8		7/8		7/8		7/8	
3	2,277.41	9	2,387.53	3	2,497.26	9	2,606.99	3	2,716.48	9	2,811.15	3		9		3		9	
1/8	2,279.72	1/8	2,389.82	1/8	2,499.54	1/8	2,609.27	1/8	2,718.75	1/8	2,812.08	1/8		1/8		1/8		1/8	
1/4	2,282.02	1/4	2,392.10	1/4	2,501.83	1/4	2,611.56	1/4	2,721.02	1/4	2,813.00	1/4		1/4		1/4		1/4	
3/8	2,284.32	3/8	2,394.39	3/8	2,504.12	3/8	2,613.84	3/8	2,723.29	3/8		3/8		3/8		3/8		3/8	
1/2	2,286.62	1/2	2,396.67	1/2	2,506.40	1/2	2,616.13	1/2	2,725.56	1/2		1/2		1/2		1/2		1/2	
5/8	2,288.93	5/8	2,398.96	5/8	2,508.69	5/8	2,618.42	5/8	2,727.83	5/8		5/8		5/8		5/8		5/8	
3/4	2,291.23	3/4	2,401.25	3/4	2,510.97	3/4	2,620.70	3/4	2,730.10	3/4		3/4		3/4		3/4		3/4	
7/8	2,293.53	7/8	2,403.53	7/8	2,513.26	7/8	2,622.99	7/8	2,732.37	7/8		7/8		7/8		7/8		7/8	
4	2,295.84	10	2,405.82	4	2,515.55	10	2,625.27	4	2,734.64	10		4		10		4		10	
1/8	2,298.14	1/8	2,408.10	1/8	2,517.83	1/8	2,627.56	1/8	2,736.91	1/8		1/8		1/8		1/8		1/8	
1/4	2,300.44	1/4	2,410.39	1/4	2,520.12	1/4	2,629.85	1/4	2,739.17	1/4		1/4		1/4		1/4		1/4	
3/8	2,302.74	3/8	2,412.68	3/8	2,522.40	3/8	2,632.13	3/8	2,741.44	3/8		3/8		3/8		3/8		3/8	
1/2	2,305.05	1/2	2,414.96	1/2	2,524.69	1/2	2,634.42	1/2	2,743.71	1/2		1/2		1/2		1/2		1/2	
5/8	2,307.35	5/8	2,417.25	5/8	2,526.98	5/8	2,636.70	5/8	2,745.97	5/8		5/8		5/8		5/8		5/8	
3/4	2,309.65	3/4	2,419.53	3/4	2,529.26	3/4	2,638.99	3/4	2,748.24	3/4		3/4		3/4		3/4		3/4	
7/8	2,311.95	7/8	2,421.82	7/8	2,531.55	7/8	2,641.28	7/8	2,750.51	7/8		7/8		7/8		7/8		7/8	
5	2,314.26	11	2,424.11	5	2,533.83	11	2,643.56	5	2,752.78	11		5		11		5		11	
1/8	2,316.56	1/8	2,426.39	1/8	2,536.12	1/8	2,645.85	1/8	2,755.02	1/8		1/8		1/8		1/8		1/8	
1/4	2,318.85	1/4	2,428.68	1/4	2,538.41	1/4	2,648.13	1/4	2,757.26	1/4		1/4		1/4		1/4		1/4	
3/8	2,321.15	3/8	2,430.96	3/8	2,540.69	3/8	2,650.42	3/8	2,759.50	3/8		3/8		3/8		3/8		3/8	
1/2	2,323.45	1/2	2,433.25	1/2	2,542.98	1/2	2,652.71	1/2	2,761.74	1/2		1/2		1/2		1/2		1/2	
5/8	2,325.75	5/8	2,435.54	5/8	2,545.26	5/8	2,654.99	5/8	2,763.98	5/8		5/8		5/8		5/8		5/8	
3/4	2,328.04	3/4	2,437.82	3/4	2,547.55	3/4	2,657.28	3/4	2,766.22	3/4		3/4		3/4		3/4		3/4	
7/8	2,330.34	7/8	2,440.11	7/8	2,549.84	7/8	2,659.56	7/8	2,768.46	7/8		7/8		7/8		7/8		7/8	

STRAPPED: 09/10/2009 CL - SW  
RECALCULATED: 12/04/2009 CL  
REPRINTED: 12/04/2009 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2009

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 27773"

## 4 PORT INNAGE TABLE

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

GAUGE HEIGHT 15'-09 3/4"

IN	0 FT.	IN	0 FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0	13.48	6	104.04	0	196.45	6	289.72	0	386.42	6	483.13	0	579.83	6	676.54	0	773.24	6	869.95
1/8	15.00	1/8	105.96	1/8	198.37	1/8	291.73	1/8	388.44	1/8	485.14	1/8	581.85	1/8	678.55	1/8	775.26	1/8	871.96
1/4	16.51	1/4	107.89	1/4	200.30	1/4	293.74	1/4	390.45	1/4	487.16	1/4	583.86	1/4	680.57	1/4	777.27	1/4	873.98
3/8	18.02	3/8	109.82	3/8	202.22	3/8	295.76	3/8	392.47	3/8	489.17	3/8	585.88	3/8	682.58	3/8	779.29	3/8	875.99
1/2	19.53	1/2	111.75	1/2	204.15	1/2	297.77	1/2	394.48	1/2	491.19	1/2	587.89	1/2	684.60	1/2	781.30	1/2	878.01
5/8	21.04	5/8	113.68	5/8	206.07	5/8	299.79	5/8	396.49	5/8	493.20	5/8	589.91	5/8	686.61	5/8	783.32	5/8	880.02
3/4	22.55	3/4	115.60	3/4	207.99	3/4	301.80	3/4	398.51	3/4	495.21	3/4	591.92	3/4	688.63	3/4	785.33	3/4	882.04
7/8	24.06	7/8	117.53	7/8	209.92	7/8	303.82	7/8	400.52	7/8	497.23	7/8	593.93	7/8	690.64	7/8	787.35	7/8	884.05
1	25.57	7	119.46	1	211.84	7	305.83	1	402.54	7	499.24	1	595.95	7	692.66	1	789.36	7	886.07
1/8	27.44	1/8	121.39	1/8	213.76	1/8	307.85	1/8	404.55	1/8	501.26	1/8	597.96	1/8	694.67	1/8	791.38	1/8	888.08
1/4	29.32	1/4	123.31	1/4	215.69	1/4	309.86	1/4	406.57	1/4	503.27	1/4	599.98	1/4	696.68	1/4	793.39	1/4	890.10
3/8	31.19	3/8	125.24	3/8	217.61	3/8	311.88	3/8	408.58	3/8	505.29	3/8	601.99	3/8	698.70	3/8	795.40	3/8	892.11
1/2	33.07	1/2	127.17	1/2	219.54	1/2	313.89	1/2	410.60	1/2	507.30	1/2	604.01	1/2	700.71	1/2	797.42	1/2	894.13
5/8	34.94	5/8	129.10	5/8	221.46	5/8	315.91	5/8	412.61	5/8	509.32	5/8	606.02	5/8	702.73	5/8	799.43	5/8	896.14
3/4	36.82	3/4	131.02	3/4	223.38	3/4	317.92	3/4	414.63	3/4	511.33	3/4	608.04	3/4	704.74	3/4	801.45	3/4	898.15
7/8	38.69	7/8	132.95	7/8	225.31	7/8	319.94	7/8	416.64	7/8	513.35	7/8	610.05	7/8	706.76	7/8	803.46	7/8	900.17
2	40.57	8	134.88	2	227.23	8	321.95	2	418.66	8	515.36	2	612.07	8	708.77	2	805.48	8	902.18
1/8	42.56	1/8	136.80	1/8	229.16	1/8	323.97	1/8	420.67	1/8	517.38	1/8	614.08	1/8	710.79	1/8	807.49	1/8	904.20
1/4	44.56	1/4	138.73	1/4	231.08	1/4	325.98	1/4	422.69	1/4	519.39	1/4	616.10	1/4	712.80	1/4	809.51	1/4	906.21
3/8	46.55	3/8	140.65	3/8	233.01	3/8	327.99	3/8	424.70	3/8	521.41	3/8	618.11	3/8	714.82	3/8	811.52	3/8	908.23
1/2	48.55	1/2	142.58	1/2	234.94	1/2	330.01	1/2	426.71	1/2	523.42	1/2	620.13	1/2	716.83	1/2	813.54	1/2	910.24
5/8	50.54	5/8	144.50	5/8	236.86	5/8	332.02	5/8	428.73	5/8	525.44	5/8	622.14	5/8	718.85	5/8	815.55	5/8	912.26
3/4	52.54	3/4	146.43	3/4	238.79	3/4	334.04	3/4	430.74	3/4	527.45	3/4	624.16	3/4	720.86	3/4	817.57	3/4	914.27
7/8	54.53	7/8	148.35	7/8	240.71	7/8	336.05	7/8	432.76	7/8	529.46	7/8	626.17	7/8	722.88	7/8	819.58	7/8	916.29
3	56.53	9	150.28	3	242.64	9	338.07	3	434.77	9	531.48	3	628.18	9	724.89	3	821.60	9	918.30
1/8	58.53	1/8	152.20	1/8	244.57	1/8	340.08	1/8	436.79	1/8	533.49	1/8	630.20	1/8	726.91	1/8	823.61	1/8	920.32
1/4	60.54	1/4	154.13	1/4	246.51	1/4	342.10	1/4	438.80	1/4	535.51	1/4	632.21	1/4	728.92	1/4	825.63	1/4	922.33
3/8	62.54	3/8	156.05	3/8	248.44	3/8	344.11	3/8	440.82	3/8	537.52	3/8	634.23	3/8	730.93	3/8	827.64	3/8	924.35
1/2	64.54	1/2	157.97	1/2	250.37	1/2	346.13	1/2	442.83	1/2	539.54	1/2	636.24	1/2	732.95	1/2	829.65	1/2	926.36
5/8	66.55	5/8	159.90	5/8	252.30	5/8	348.14	5/8	444.85	5/8	541.55	5/8	638.26	5/8	734.96	5/8	831.67	5/8	928.38
3/4	68.55	3/4	161.82	3/4	254.24	3/4	350.16	3/4	446.86	3/4	543.57	3/4	640.27	3/4	736.98	3/4	833.68	3/4	930.39
7/8	70.55	7/8	163.75	7/8	256.17	7/8	352.17	7/8	448.88	7/8	545.58	7/8	642.29	7/8	738.99	7/8	835.70	7/8	932.40
4	72.56	10	165.67	4	258.10	10	354.19	4	450.89	10	547.60	4	644.30	10	741.01	4	837.71	10	934.42
1/8	74.55	1/8	167.59	1/8	260.06	1/8	356.20	1/8	452.91	1/8	549.61	1/8	646.32	1/8	743.02	1/8	839.73	1/8	936.43
1/4	76.53	1/4	169.52	1/4	262.01	1/4	358.22	1/4	454.92	1/4	551.63	1/4	648.33	1/4	745.04	1/4	841.74	1/4	938.45
3/8	78.52	3/8	171.44	3/8	263.97	3/8	360.23	3/8	456.94	3/8	553.64	3/8	650.35	3/8	747.05	3/8	843.76	3/8	940.46
1/2	80.51	1/2	173.36	1/2	265.93	1/2	362.24	1/2	458.95	1/2	555.66	1/2	652.36	1/2	749.07	1/2	845.77	1/2	942.48
5/8	82.49	5/8	175.29	5/8	267.88	5/8	364.26	5/8	460.96	5/8	557.67	5/8	654.38	5/8	751.08	5/8	847.79	5/8	944.49
3/4	84.48	3/4	177.21	3/4	269.84	3/4	366.27	3/4	462.98	3/4	559.69	3/4	656.39	3/4	753.10	3/4	849.80	3/4	946.51
7/8	86.47	7/8	179.14	7/8	271.79	7/8	368.29	7/8	464.99	7/8	561.70	7/8	658.41	7/8	755.11	7/8	851.82	7/8	948.52
5	88.46	11	181.06	5	273.75	11	370.30	5	467.01	11	563.71	5	660.42	11	757.13	5	853.83	11	950.54
1/8	90.40	1/8	182.98	1/8	275.75	1/8	372.32	1/8	469.02	1/8	565.73	1/8	662.43	1/8	759.14	1/8	855.85	1/8	952.55
1/4	92.35	1/4	184.91	1/4	277.74	1/4	374.33	1/4	471.04	1/4	567.74	1/4	664.45	1/4	761.16	1/4	857.86	1/4	954.57
3/8	94.30	3/8	186.83	3/8	279.74	3/8	376.35	3/8	473.05	3/8	569.76	3/8	666.46	3/8	763.17	3/8	859.88	3/8	956.58
1/2	96.25	1/2	188.76	1/2	281.73	1/2	378.36	1/2	475.07	1/2	571.77	1/2	668.48	1/2	765.18	1/2	861.89	1/2	958.60
5/8	98.19	5/8	190.68	5/8	283.73	5/8	380.38	5/8	477.08	5/8	573.79	5/8	670.49	5/8	767.20	5/8	863.90	5/8	960.61
3/4	100.14	3/4	192.60	3/4	285.72	3/4	382.39	3/4	479.10	3/4	575.80	3/4	672.51	3/4	769.21	3/4	865.92	3/4	962.63
7/8	102.09	7/8	194.53	7/8	287.72	7/8	384.41	7/8	481.11	7/8	577.82	7/8	674.52	7/8	771.23	7/8	867.93	7/8	964.64

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 AT 2" DIAMETER STANDPIPE

GAUGE POINT: (MANUAL) LOCATED 10'-10" OFF CENTERLINE AND 23'-03" 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 27773"

## 4 PORT INNAGE TABLE

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

GAUGE HEIGHT 15'-09 3/4"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	966.65	6	1,063.36	0	1,160.07	6	1,256.77	0	1,353.48	6	1,450.14	0	1,546.82	6	1,643.50	0	1,740.18	6	1,836.86
1/8	968.67	1/8	1,065.37	1/8	1,162.08	1/8	1,258.79	1/8	1,355.49	1/8	1,452.15	1/8	1,548.83	1/8	1,645.52	1/8	1,742.20	1/8	1,838.88
1/4	970.68	1/4	1,067.39	1/4	1,164.10	1/4	1,260.80	1/4	1,357.51	1/4	1,454.17	1/4	1,550.85	1/4	1,647.53	1/4	1,744.21	1/4	1,840.89
3/8	972.70	3/8	1,069.40	3/8	1,166.11	3/8	1,262.82	3/8	1,359.52	3/8	1,456.18	3/8	1,552.86	3/8	1,649.54	3/8	1,746.23	3/8	1,842.91
1/2	974.71	1/2	1,071.42	1/2	1,168.12	1/2	1,264.83	1/2	1,361.54	1/2	1,458.19	1/2	1,554.88	1/2	1,651.56	1/2	1,748.24	1/2	1,844.92
5/8	976.73	5/8	1,073.43	5/8	1,170.14	5/8	1,266.84	5/8	1,363.55	5/8	1,460.21	5/8	1,556.89	5/8	1,653.57	5/8	1,750.25	5/8	1,846.94
3/4	978.74	3/4	1,075.45	3/4	1,172.15	3/4	1,268.86	3/4	1,365.57	3/4	1,462.22	3/4	1,558.90	3/4	1,655.59	3/4	1,752.27	3/4	1,848.95
7/8	980.76	7/8	1,077.46	7/8	1,174.17	7/8	1,270.87	7/8	1,367.58	7/8	1,464.24	7/8	1,560.92	7/8	1,657.60	7/8	1,754.28	7/8	1,850.96
1	982.77	7	1,079.48	1	1,176.18	7	1,272.89	1	1,369.59	7	1,466.25	1	1,562.93	7	1,659.61	1	1,756.30	7	1,852.98
1/8	984.79	1/8	1,081.49	1/8	1,178.20	1/8	1,274.90	1/8	1,371.61	1/8	1,468.27	1/8	1,564.95	1/8	1,661.63	1/8	1,758.31	1/8	1,854.99
1/4	986.80	1/4	1,083.51	1/4	1,180.21	1/4	1,276.92	1/4	1,373.62	1/4	1,470.28	1/4	1,566.96	1/4	1,663.64	1/4	1,760.32	1/4	1,857.01
3/8	988.82	3/8	1,085.52	3/8	1,182.23	3/8	1,278.93	3/8	1,375.64	3/8	1,472.29	3/8	1,568.98	3/8	1,665.66	3/8	1,762.34	3/8	1,859.02
1/2	990.83	1/2	1,087.54	1/2	1,184.24	1/2	1,280.95	1/2	1,377.65	1/2	1,474.31	1/2	1,570.99	1/2	1,667.67	1/2	1,764.35	1/2	1,861.03
5/8	992.85	5/8	1,089.55	5/8	1,186.26	5/8	1,282.96	5/8	1,379.67	5/8	1,476.32	5/8	1,573.00	5/8	1,669.69	5/8	1,766.37	5/8	1,863.05
3/4	994.86	3/4	1,091.57	3/4	1,188.27	3/4	1,284.98	3/4	1,381.68	3/4	1,478.34	3/4	1,575.02	3/4	1,671.70	3/4	1,768.38	3/4	1,865.06
7/8	996.87	7/8	1,093.58	7/8	1,190.29	7/8	1,286.99	7/8	1,383.70	7/8	1,480.35	7/8	1,577.03	7/8	1,673.71	7/8	1,770.40	7/8	1,867.08
2	998.89	8	1,095.60	2	1,192.30	8	1,289.01	2	1,385.71	8	1,482.36	2	1,579.05	8	1,675.73	2	1,772.41	8	1,869.09
1/8	1,000.90	1/8	1,097.61	1/8	1,194.32	1/8	1,291.02	1/8	1,387.73	1/8	1,484.38	1/8	1,581.06	1/8	1,677.74	1/8	1,774.42	1/8	1,871.11
1/4	1,002.92	1/4	1,099.62	1/4	1,196.33	1/4	1,293.04	1/4	1,389.74	1/4	1,486.39	1/4	1,583.07	1/4	1,679.76	1/4	1,776.44	1/4	1,873.12
3/8	1,004.93	3/8	1,101.64	3/8	1,198.34	3/8	1,295.05	3/8	1,391.76	3/8	1,488.41	3/8	1,585.09	3/8	1,681.77	3/8	1,778.45	3/8	1,875.13
1/2	1,006.95	1/2	1,103.65	1/2	1,200.36	1/2	1,297.07	1/2	1,393.77	1/2	1,490.42	1/2	1,587.10	1/2	1,683.78	1/2	1,780.47	1/2	1,877.15
5/8	1,008.96	5/8	1,105.67	5/8	1,202.37	5/8	1,299.08	5/8	1,395.79	5/8	1,492.44	5/8	1,589.12	5/8	1,685.80	5/8	1,782.48	5/8	1,879.16
3/4	1,010.98	3/4	1,107.68	3/4	1,204.39	3/4	1,301.09	3/4	1,397.80	3/4	1,494.45	3/4	1,591.13	3/4	1,687.81	3/4	1,784.49	3/4	1,881.18
7/8	1,012.99	7/8	1,109.70	7/8	1,206.40	7/8	1,303.11	7/8	1,399.81	7/8	1,496.46	7/8	1,593.15	7/8	1,689.83	7/8	1,786.51	7/8	1,883.19
3	1,015.01	9	1,111.71	3	1,208.42	9	1,305.12	3	1,401.83	9	1,498.48	3	1,595.16	9	1,691.84	3	1,788.52	9	1,885.20
1/8	1,017.02	1/8	1,113.73	1/8	1,210.43	1/8	1,307.14	1/8	1,403.84	1/8	1,500.49	1/8	1,597.17	1/8	1,693.86	1/8	1,790.54	1/8	1,887.22
1/4	1,019.04	1/4	1,115.74	1/4	1,212.45	1/4	1,309.15	1/4	1,405.85	1/4	1,502.51	1/4	1,599.19	1/4	1,695.87	1/4	1,792.55	1/4	1,889.23
3/8	1,021.05	3/8	1,117.76	3/8	1,214.46	3/8	1,311.17	3/8	1,407.86	3/8	1,504.52	3/8	1,601.20	3/8	1,697.88	3/8	1,794.57	3/8	1,891.25
1/2	1,023.07	1/2	1,119.77	1/2	1,216.48	1/2	1,313.18	1/2	1,409.87	1/2	1,506.54	1/2	1,603.22	1/2	1,699.90	1/2	1,796.58	1/2	1,893.26
5/8	1,025.08	5/8	1,121.79	5/8	1,218.49	5/8	1,315.20	5/8	1,411.88	5/8	1,508.55	5/8	1,605.23	5/8	1,701.91	5/8	1,798.59	5/8	1,895.28
3/4	1,027.10	3/4	1,123.80	3/4	1,220.51	3/4	1,317.21	3/4	1,413.89	3/4	1,510.56	3/4	1,607.25	3/4	1,703.93	3/4	1,800.61	3/4	1,897.29
7/8	1,029.11	7/8	1,125.82	7/8	1,222.52	7/8	1,319.23	7/8	1,415.90	7/8	1,512.58	7/8	1,609.26	7/8	1,705.94	7/8	1,802.62	7/8	1,899.30
4	1,031.12	10	1,127.83	4	1,224.54	10	1,321.24	4	1,417.91	10	1,514.59	4	1,611.27	10	1,707.96	4	1,804.64	10	1,901.32
1/8	1,033.14	1/8	1,129.85	1/8	1,226.55	1/8	1,323.26	1/8	1,419.92	1/8	1,516.61	1/8	1,613.29	1/8	1,709.97	1/8	1,806.65	1/8	1,903.33
1/4	1,035.15	1/4	1,131.86	1/4	1,228.57	1/4	1,325.27	1/4	1,421.94	1/4	1,518.62	1/4	1,615.30	1/4	1,711.98	1/4	1,808.67	1/4	1,905.35
3/8	1,037.17	3/8	1,133.87	3/8	1,230.58	3/8	1,327.29	3/8	1,423.95	3/8	1,520.63	3/8	1,617.32	3/8	1,714.00	3/8	1,810.68	3/8	1,907.36
1/2	1,039.18	1/2	1,135.89	1/2	1,232.59	1/2	1,329.30	1/2	1,425.97	1/2	1,522.65	1/2	1,619.33	1/2	1,716.01	1/2	1,812.69	1/2	1,909.38
5/8	1,041.20	5/8	1,137.90	5/8	1,234.61	5/8	1,331.32	5/8	1,427.98	5/8	1,524.66	5/8	1,621.34	5/8	1,718.03	5/8	1,814.71	5/8	1,911.39
3/4	1,043.21	3/4	1,139.92	3/4	1,236.62	3/4	1,333.33	3/4	1,430.00	3/4	1,526.68	3/4	1,623.36	3/4	1,720.04	3/4	1,816.72	3/4	1,913.40
7/8	1,045.23	7/8	1,141.93	7/8	1,238.64	7/8	1,335.34	7/8	1,432.01	7/8	1,528.69	7/8	1,625.37	7/8	1,722.05	7/8	1,818.74	7/8	1,915.42
5	1,047.24	11	1,143.95	5	1,240.65	11	1,337.36	5	1,434.02	11	1,530.71	5	1,627.39	11	1,724.07	5	1,820.75	11	1,917.43
1/8	1,049.26	1/8	1,145.96	1/8	1,242.67	1/8	1,339.37	1/8	1,436.04	1/8	1,532.72	1/8	1,629.40	1/8	1,726.08	1/8	1,822.76	1/8	1,919.45
1/4	1,051.27	1/4	1,147.98	1/4	1,244.68	1/4	1,341.39	1/4	1,438.05	1/4	1,534.73	1/4	1,631.42	1/4	1,728.10	1/4	1,824.78	1/4	1,921.46
3/8	1,053.29	3/8	1,149.99	3/8	1,246.70	3/8	1,343.40	3/8	1,440.07	3/8	1,536.75	3/8	1,633.43	3/8	1,730.11	3/8	1,826.79	3/8	1,923.47
1/2	1,055.30	1/2	1,152.01	1/2	1,248.71	1/2	1,345.42	1/2	1,442.08	1/2	1,538.76	1/2	1,635.44	1/2	1,732.13	1/2	1,828.81	1/2	1,925.49
5/8	1,057.32	5/8	1,154.02	5/8	1,250.73	5/8	1,347.43	5/8	1,444.10	5/8	1,540.78	5/8	1,637.46	5/8	1,734.14	5/8	1,830.82	5/8	1,927.50
3/4	1,059.33	3/4	1,156.04	3/4	1,252.74	3/4	1,349.45	3/4	1,446.11	3/4	1,542.79	3/4	1,639.47	3/4	1,736.15	3/4	1,832.84	3/4	1,929.52
7/8	1,061.35	7/8	1,158.05	7/8	1,254.76	7/8	1,351.46	7/8	1,448.12	7/8	1,544.81	7/8	1,641.49	7/8	1,738.17	7/8	1,834.85	7/8	1,931.53

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
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# BARGE "KIRBY 27773"

50

## 4 PORT INNAGE TABLE

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

GAUGE HEIGHT 15'-09 3/4"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	1,933.55	6	2,030.09	0	2,126.00	6	2,221.89	0	2,317.78	6	2,412.84	0		6		0		6	
1/8	1,935.56	1/8	2,032.09	1/8	2,128.00	1/8	2,223.89	1/8	2,319.77	1/8	2,414.64	1/8		1/8		1/8		1/8	
1/4	1,937.57	1/4	2,034.09	1/4	2,129.99	1/4	2,225.88	1/4	2,321.77	1/4	2,416.43	1/4		1/4		1/4		1/4	
3/8	1,939.59	3/8	2,036.09	3/8	2,131.99	3/8	2,227.88	3/8	2,323.76	3/8	2,418.22	3/8		3/8		3/8		3/8	
1/2	1,941.60	1/2	2,038.09	1/2	2,133.99	1/2	2,229.88	1/2	2,325.76	1/2	2,420.01	1/2		1/2		1/2		1/2	
5/8	1,943.62	5/8	2,040.09	5/8	2,135.99	5/8	2,231.88	5/8	2,327.75	5/8	2,421.80	5/8		5/8		5/8		5/8	
3/4	1,945.63	3/4	2,042.09	3/4	2,137.98	3/4	2,233.87	3/4	2,329.75	3/4	2,423.59	3/4		3/4		3/4		3/4	
7/8	1,947.65	7/8	2,044.09	7/8	2,139.98	7/8	2,235.87	7/8	2,331.74	7/8	2,425.38	7/8		7/8		7/8		7/8	
1	1,949.66	7	2,046.09	1	2,141.98	7	2,237.87	1	2,333.74	7	2,427.17	1		7		1		7	
1/8	1,951.67	1/8	2,048.09	1/8	2,143.98	1/8	2,239.87	1/8	2,335.72	1/8	2,428.65	1/8		1/8		1/8		1/8	
1/4	1,953.68	1/4	2,050.09	1/4	2,145.98	1/4	2,241.87	1/4	2,337.71	1/4	2,430.13	1/4		1/4		1/4		1/4	
3/8	1,955.69	3/8	2,052.08	3/8	2,147.97	3/8	2,243.86	3/8	2,339.70	3/8	2,431.61	3/8		3/8		3/8		3/8	
1/2	1,957.70	1/2	2,054.08	1/2	2,149.97	1/2	2,245.86	1/2	2,341.68	1/2	2,433.09	1/2		1/2		1/2		1/2	
5/8	1,959.71	5/8	2,056.08	5/8	2,151.97	5/8	2,247.86	5/8	2,343.67	5/8	2,434.57	5/8		5/8		5/8		5/8	
3/4	1,961.72	3/4	2,058.08	3/4	2,153.97	3/4	2,249.86	3/4	2,345.66	3/4	2,436.05	3/4		3/4		3/4		3/4	
7/8	1,963.74	7/8	2,060.07	7/8	2,155.96	7/8	2,251.85	7/8	2,347.64	7/8	2,437.53	7/8		7/8		7/8		7/8	
2	1,965.75	8	2,062.07	2	2,157.96	8	2,253.85	2	2,349.63	8	2,439.01	2		8		2		8	
1/8	1,967.76	1/8	2,064.07	1/8	2,159.96	1/8	2,255.85	1/8	2,351.61	1/8	2,440.15	1/8		1/8		1/8		1/8	
1/4	1,969.77	1/4	2,066.07	1/4	2,161.96	1/4	2,257.85	1/4	2,353.60	1/4	2,441.29	1/4		1/4		1/4		1/4	
3/8	1,971.78	3/8	2,068.07	3/8	2,163.95	3/8	2,259.84	3/8	2,355.58	3/8	2,442.44	3/8		3/8		3/8		3/8	
1/2	1,973.79	1/2	2,070.06	1/2	2,165.95	1/2	2,261.84	1/2	2,357.56	1/2	2,443.58	1/2		1/2		1/2		1/2	
5/8	1,975.81	5/8	2,072.06	5/8	2,167.95	5/8	2,263.84	5/8	2,359.55	5/8	2,444.72	5/8		5/8		5/8		5/8	
3/4	1,977.82	3/4	2,074.06	3/4	2,169.95	3/4	2,265.84	3/4	2,361.53	3/4	2,445.87	3/4		3/4		3/4		3/4	
7/8	1,979.83	7/8	2,076.06	7/8	2,171.95	7/8	2,267.84	7/8	2,363.51	7/8	2,447.01	7/8		7/8		7/8		7/8	
3	1,981.84	9	2,078.05	3	2,173.94	9	2,269.83	3	2,365.49	9	2,448.16	3		9		3		9	
1/8	1,983.85	1/8	2,080.05	1/8	2,175.94	1/8	2,271.83	1/8	2,367.48	1/8	2,448.96	1/8		1/8		1/8		1/8	
1/4	1,985.86	1/4	2,082.05	1/4	2,177.94	1/4	2,273.83	1/4	2,369.46	1/4	2,449.77	1/4		1/4		1/4		1/4	
3/8	1,987.88	3/8	2,084.05	3/8	2,179.94	3/8	2,275.83	3/8	2,371.44	3/8		3/8		3/8		3/8		3/8	
1/2	1,989.89	1/2	2,086.04	1/2	2,181.93	1/2	2,277.82	1/2	2,373.43	1/2		1/2		1/2		1/2		1/2	
5/8	1,991.90	5/8	2,088.04	5/8	2,183.93	5/8	2,279.82	5/8	2,375.41	5/8		5/8		5/8		5/8		5/8	
3/4	1,993.91	3/4	2,090.04	3/4	2,185.93	3/4	2,281.82	3/4	2,377.39	3/4		3/4		3/4		3/4		3/4	
7/8	1,995.92	7/8	2,092.04	7/8	2,187.93	7/8	2,283.82	7/8	2,379.37	7/8		7/8		7/8		7/8		7/8	
4	1,997.93	10	2,094.04	4	2,189.92	10	2,285.81	4	2,381.36	10		4		10		4		10	
1/8	1,999.95	1/8	2,096.03	1/8	2,191.92	1/8	2,287.81	1/8	2,383.34	1/8		1/8		1/8		1/8		1/8	
1/4	2,001.96	1/4	2,098.03	1/4	2,193.92	1/4	2,289.81	1/4	2,385.32	1/4		1/4		1/4		1/4		1/4	
3/8	2,003.97	3/8	2,100.03	3/8	2,195.92	3/8	2,291.81	3/8	2,387.30	3/8		3/8		3/8		3/8		3/8	
1/2	2,005.98	1/2	2,102.03	1/2	2,197.92	1/2	2,293.81	1/2	2,389.28	1/2		1/2		1/2		1/2		1/2	
5/8	2,007.99	5/8	2,104.02	5/8	2,199.91	5/8	2,295.80	5/8	2,391.26	5/8		5/8		5/8		5/8		5/8	
3/4	2,010.00	3/4	2,106.02	3/4	2,201.91	3/4	2,297.80	3/4	2,393.24	3/4		3/4		3/4		3/4		3/4	
7/8	2,012.02	7/8	2,108.02	7/8	2,203.91	7/8	2,299.80	7/8	2,395.22	7/8		7/8		7/8		7/8		7/8	
5	2,014.03	11	2,110.02	5	2,205.91	11	2,301.80	5	2,397.20	11		5		11		5		11	
1/8	2,016.03	1/8	2,112.01	1/8	2,207.90	1/8	2,303.79	1/8	2,399.15	1/8		1/8		1/8		1/8		1/8	
1/4	2,018.04	1/4	2,114.01	1/4	2,209.90	1/4	2,305.79	1/4	2,401.11	1/4		1/4		1/4		1/4		1/4	
3/8	2,020.05	3/8	2,116.01	3/8	2,211.90	3/8	2,307.79	3/8	2,403.06	3/8		3/8		3/8		3/8		3/8	
1/2	2,022.06	1/2	2,118.01	1/2	2,213.90	1/2	2,309.79	1/2	2,405.02	1/2		1/2		1/2		1/2		1/2	
5/8	2,024.06	5/8	2,120.01	5/8	2,215.89	5/8	2,311.78	5/8	2,406.98	5/8		5/8		5/8		5/8		5/8	
3/4	2,026.07	3/4	2,122.00	3/4	2,217.89	3/4	2,313.78	3/4	2,408.93	3/4		3/4		3/4		3/4		3/4	
7/8	2,028.08	7/8	2,124.00	7/8	2,219.89	7/8	2,315.78	7/8	2,410.89	7/8		7/8		7/8		7/8		7/8	

STRAPPED: 09/10/2009 CL - SW  
 RECALCULATED: 12/04/2009 CL  
 REPRINTED: 12/04/2009 SW

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 09/2009

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 P.O. Box 2092

Pearland, Texas 77588  
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# BARGE "KIRBY 27773"

## 4 STBD INNAGE TABLE

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

GAUGE HEIGHT 15'-09 3/4"

IN	0 FT.	IN	0 FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0	13.49	6	104.77	0	201.25	6	297.70	0	394.44	6	491.19	0	587.94	6	684.69	0	781.44	6	878.19
1/8	15.00	1/8	106.79	1/8	203.26	1/8	299.72	1/8	396.46	1/8	493.21	1/8	589.96	1/8	686.71	1/8	783.46	1/8	880.20
1/4	16.51	1/4	108.80	1/4	205.27	1/4	301.73	1/4	398.48	1/4	495.22	1/4	591.97	1/4	688.72	1/4	785.47	1/4	882.22
3/8	18.02	3/8	110.82	3/8	207.28	3/8	303.75	3/8	400.49	3/8	497.24	3/8	593.99	3/8	690.74	3/8	787.49	3/8	884.24
1/2	19.53	1/2	112.83	1/2	209.29	1/2	305.76	1/2	402.51	1/2	499.26	1/2	596.00	1/2	692.75	1/2	789.50	1/2	886.25
5/8	21.04	5/8	114.85	5/8	211.29	5/8	307.78	5/8	404.52	5/8	501.27	5/8	598.02	5/8	694.77	5/8	791.52	5/8	888.27
3/4	22.56	3/4	116.86	3/4	213.30	3/4	309.79	3/4	406.54	3/4	503.29	3/4	600.04	3/4	696.78	3/4	793.53	3/4	890.28
7/8	24.07	7/8	118.87	7/8	215.31	7/8	311.81	7/8	408.55	7/8	505.30	7/8	602.05	7/8	698.80	7/8	795.55	7/8	892.30
1	25.58	7	120.89	1	217.32	7	313.82	1	410.57	7	507.32	1	604.07	7	700.82	1	797.56	7	894.31
1/8	27.45	1/8	122.90	1/8	219.32	1/8	315.84	1/8	412.58	1/8	509.33	1/8	606.08	1/8	702.83	1/8	799.58	1/8	896.33
1/4	29.33	1/4	124.92	1/4	221.33	1/4	317.85	1/4	414.60	1/4	511.35	1/4	608.10	1/4	704.85	1/4	801.60	1/4	898.34
3/8	31.21	3/8	126.93	3/8	223.34	3/8	319.87	3/8	416.62	3/8	513.36	3/8	610.11	3/8	706.86	3/8	803.61	3/8	900.36
1/2	33.08	1/2	128.94	1/2	225.35	1/2	321.88	1/2	418.63	1/2	515.38	1/2	612.13	1/2	708.88	1/2	805.63	1/2	902.38
5/8	34.96	5/8	130.96	5/8	227.35	5/8	323.90	5/8	420.65	5/8	517.40	5/8	614.14	5/8	710.89	5/8	807.64	5/8	904.39
3/4	36.83	3/4	132.97	3/4	229.36	3/4	325.91	3/4	422.66	3/4	519.41	3/4	616.16	3/4	712.91	3/4	809.66	3/4	906.41
7/8	38.71	7/8	134.98	7/8	231.37	7/8	327.93	7/8	424.68	7/8	521.43	7/8	618.18	7/8	714.92	7/8	811.67	7/8	908.42
2	40.59	8	137.00	2	233.38	8	329.95	2	426.69	8	523.44	2	620.19	8	716.94	2	813.69	8	910.44
1/8	42.58	1/8	139.01	1/8	235.38	1/8	331.96	1/8	428.71	1/8	525.46	1/8	622.21	1/8	718.96	1/8	815.70	1/8	912.45
1/4	44.58	1/4	141.02	1/4	237.39	1/4	333.98	1/4	430.73	1/4	527.47	1/4	624.22	1/4	720.97	1/4	817.72	1/4	914.47
3/8	46.57	3/8	143.02	3/8	239.40	3/8	335.99	3/8	432.74	3/8	529.49	3/8	626.24	3/8	722.99	3/8	819.74	3/8	916.48
1/2	48.57	1/2	145.03	1/2	241.41	1/2	338.01	1/2	434.76	1/2	531.51	1/2	628.25	1/2	725.00	1/2	821.75	1/2	918.50
5/8	50.57	5/8	147.04	5/8	243.41	5/8	340.02	5/8	436.77	5/8	533.52	5/8	630.27	5/8	727.02	5/8	823.77	5/8	920.52
3/4	52.56	3/4	149.05	3/4	245.42	3/4	342.04	3/4	438.79	3/4	535.54	3/4	632.29	3/4	729.03	3/4	825.78	3/4	922.53
7/8	54.56	7/8	151.06	7/8	247.43	7/8	344.05	7/8	440.80	7/8	537.55	7/8	634.30	7/8	731.05	7/8	827.80	7/8	924.55
3	56.55	9	153.07	3	249.44	9	346.07	3	442.82	9	539.57	3	636.32	9	733.07	3	829.81	9	926.56
1/8	58.56	1/8	155.08	1/8	251.45	1/8	348.09	1/8	444.83	1/8	541.58	1/8	638.33	1/8	735.08	1/8	831.83	1/8	928.58
1/4	60.56	1/4	157.09	1/4	253.45	1/4	350.10	1/4	446.85	1/4	543.60	1/4	640.35	1/4	737.10	1/4	833.85	1/4	930.59
3/8	62.57	3/8	159.10	3/8	255.46	3/8	352.12	3/8	448.87	3/8	545.61	3/8	642.36	3/8	739.11	3/8	835.86	3/8	932.61
1/2	64.57	1/2	161.10	1/2	257.47	1/2	354.13	1/2	450.88	1/2	547.63	1/2	644.38	1/2	741.13	1/2	837.88	1/2	934.63
5/8	66.58	5/8	163.11	5/8	259.48	5/8	356.15	5/8	452.90	5/8	549.65	5/8	646.39	5/8	743.14	5/8	839.89	5/8	936.64
3/4	68.58	3/4	165.12	3/4	261.49	3/4	358.16	3/4	454.91	3/4	551.66	3/4	648.41	3/4	745.16	3/4	841.91	3/4	938.66
7/8	70.59	7/8	167.13	7/8	263.50	7/8	360.18	7/8	456.93	7/8	553.68	7/8	650.43	7/8	747.17	7/8	843.92	7/8	940.67
4	72.59	10	169.13	4	265.51	10	362.19	4	458.94	10	555.69	4	652.44	10	749.19	4	845.94	10	942.69
1/8	74.60	1/8	171.14	1/8	267.52	1/8	364.21	1/8	460.96	1/8	557.71	1/8	654.46	1/8	751.21	1/8	847.95	1/8	944.70
1/4	76.61	1/4	173.15	1/4	269.53	1/4	366.23	1/4	462.97	1/4	559.72	1/4	656.47	1/4	753.22	1/4	849.97	1/4	946.72
3/8	78.62	3/8	175.16	3/8	271.54	3/8	368.24	3/8	464.99	3/8	561.74	3/8	658.49	3/8	755.24	3/8	851.99	3/8	948.73
1/2	80.63	1/2	177.16	1/2	273.55	1/2	370.26	1/2	467.01	1/2	563.75	1/2	660.50	1/2	757.25	1/2	854.00	1/2	950.75
5/8	82.64	5/8	179.17	5/8	275.56	5/8	372.27	5/8	469.02	5/8	565.77	5/8	662.52	5/8	759.27	5/8	856.02	5/8	952.77
3/4	84.65	3/4	181.18	3/4	277.57	3/4	374.29	3/4	471.04	3/4	567.79	3/4	664.53	3/4	761.28	3/4	858.03	3/4	954.78
7/8	86.66	7/8	183.19	7/8	279.59	7/8	376.30	7/8	473.05	7/8	569.80	7/8	666.55	7/8	763.30	7/8	860.05	7/8	956.80
5	88.67	11	185.19	5	281.60	11	378.32	5	475.07	11	571.82	5	668.57	11	765.31	5	862.06	11	958.81
1/8	90.68	1/8	187.20	1/8	283.61	1/8	380.34	1/8	477.08	1/8	573.83	1/8	670.58	1/8	767.33	1/8	864.08	1/8	960.83
1/4	92.69	1/4	189.21	1/4	285.62	1/4	382.35	1/4	479.10	1/4	575.85	1/4	672.60	1/4	769.35	1/4	866.09	1/4	962.84
3/8	94.71	3/8	191.22	3/8	287.64	3/8	384.37	3/8	481.12	3/8	577.86	3/8	674.61	3/8	771.36	3/8	868.11	3/8	964.86
1/2	96.72	1/2	193.22	1/2	289.65	1/2	386.38	1/2	483.13	1/2	579.88	1/2	676.63	1/2	773.38	1/2	870.13	1/2	966.87
5/8	98.73	5/8	195.23	5/8	291.66	5/8	388.40	5/8	485.15	5/8	581.90	5/8	678.64	5/8	775.39	5/8	872.14	5/8	968.89
3/4	100.75	3/4	197.24	3/4	293.68	3/4	390.41	3/4	487.16	3/4	583.91	3/4	680.66	3/4	777.41	3/4	874.16	3/4	970.91
7/8	102.76	7/8	199.25	7/8	295.69	7/8	392.43	7/8	489.18	7/8	585.93	7/8	682.68	7/8	779.42	7/8	876.17	7/8	972.92

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 AT 2" DIAMETER STANDPIPE

GAUGE POINT: (MANUAL) LOCATED 10'-10" OFF CENTERLINE AND 23'-03" 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 27773"

## 4 STBD INNAGE TABLE

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

GAUGE HEIGHT 15'-09 3/4"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	974.94	6	1,071.69	0	1,168.43	6	1,265.18	0	1,361.93	6	1,458.64	0	1,555.37	6	1,652.09	0	1,748.82	6	1,845.54
1/8	976.95	1/8	1,073.70	1/8	1,170.45	1/8	1,267.20	1/8	1,363.95	1/8	1,460.66	1/8	1,557.38	1/8	1,654.11	1/8	1,750.83	1/8	1,847.56
1/4	978.97	1/4	1,075.72	1/4	1,172.47	1/4	1,269.21	1/4	1,365.96	1/4	1,462.67	1/4	1,559.40	1/4	1,656.12	1/4	1,752.85	1/4	1,849.57
3/8	980.98	3/8	1,077.73	3/8	1,174.48	3/8	1,271.23	3/8	1,367.98	3/8	1,464.69	3/8	1,561.41	3/8	1,658.14	3/8	1,754.86	3/8	1,851.59
1/2	983.00	1/2	1,079.75	1/2	1,176.50	1/2	1,273.25	1/2	1,369.99	1/2	1,466.70	1/2	1,563.43	1/2	1,660.15	1/2	1,756.88	1/2	1,853.60
5/8	985.02	5/8	1,081.76	5/8	1,178.51	5/8	1,275.26	5/8	1,372.01	5/8	1,468.72	5/8	1,565.44	5/8	1,662.17	5/8	1,758.89	5/8	1,855.62
3/4	987.03	3/4	1,083.78	3/4	1,180.53	3/4	1,277.28	3/4	1,374.03	3/4	1,470.73	3/4	1,567.46	3/4	1,664.18	3/4	1,760.91	3/4	1,857.63
7/8	989.05	7/8	1,085.80	7/8	1,182.54	7/8	1,279.29	7/8	1,376.04	7/8	1,472.75	7/8	1,569.47	7/8	1,666.20	7/8	1,762.92	7/8	1,859.65
1	991.06	7	1,087.81	1	1,184.56	7	1,281.31	1	1,378.06	7	1,474.76	1	1,571.49	7	1,668.21	1	1,764.94	7	1,861.66
1/8	993.08	1/8	1,089.83	1/8	1,186.58	1/8	1,283.32	1/8	1,380.07	1/8	1,476.78	1/8	1,573.50	1/8	1,670.23	1/8	1,766.95	1/8	1,863.68
1/4	995.09	1/4	1,091.84	1/4	1,188.59	1/4	1,285.34	1/4	1,382.09	1/4	1,478.79	1/4	1,575.52	1/4	1,672.24	1/4	1,768.97	1/4	1,865.69
3/8	997.11	3/8	1,093.86	3/8	1,190.61	3/8	1,287.36	3/8	1,384.10	3/8	1,480.81	3/8	1,577.53	3/8	1,674.26	3/8	1,770.98	3/8	1,867.71
1/2	999.12	1/2	1,095.87	1/2	1,192.62	1/2	1,289.37	1/2	1,386.12	1/2	1,482.82	1/2	1,579.55	1/2	1,676.27	1/2	1,773.00	1/2	1,869.72
5/8	1,001.14	5/8	1,097.89	5/8	1,194.64	5/8	1,291.39	5/8	1,388.14	5/8	1,484.84	5/8	1,581.56	5/8	1,678.29	5/8	1,775.01	5/8	1,871.74
3/4	1,003.16	3/4	1,099.90	3/4	1,196.65	3/4	1,293.40	3/4	1,390.15	3/4	1,486.85	3/4	1,583.58	3/4	1,680.30	3/4	1,777.03	3/4	1,873.75
7/8	1,005.17	7/8	1,101.92	7/8	1,198.67	7/8	1,295.42	7/8	1,392.17	7/8	1,488.87	7/8	1,585.59	7/8	1,682.32	7/8	1,779.04	7/8	1,875.77
2	1,007.19	8	1,103.94	2	1,200.68	8	1,297.43	2	1,394.18	8	1,490.89	2	1,587.61	8	1,684.33	2	1,781.06	8	1,877.78
1/8	1,009.20	1/8	1,105.95	1/8	1,202.70	1/8	1,299.45	1/8	1,396.20	1/8	1,492.90	1/8	1,589.63	1/8	1,686.35	1/8	1,783.07	1/8	1,879.80
1/4	1,011.22	1/4	1,107.97	1/4	1,204.72	1/4	1,301.46	1/4	1,398.21	1/4	1,494.92	1/4	1,591.64	1/4	1,688.36	1/4	1,785.09	1/4	1,881.81
3/8	1,013.23	3/8	1,109.98	3/8	1,206.73	3/8	1,303.48	3/8	1,400.23	3/8	1,496.93	3/8	1,593.66	3/8	1,690.38	3/8	1,787.10	3/8	1,883.83
1/2	1,015.25	1/2	1,112.00	1/2	1,208.75	1/2	1,305.50	1/2	1,402.24	1/2	1,498.95	1/2	1,595.67	1/2	1,692.40	1/2	1,789.12	1/2	1,885.84
5/8	1,017.26	5/8	1,114.01	5/8	1,210.76	5/8	1,307.51	5/8	1,404.26	5/8	1,500.96	5/8	1,597.69	5/8	1,694.41	5/8	1,791.14	5/8	1,887.86
3/4	1,019.28	3/4	1,116.03	3/4	1,212.78	3/4	1,309.53	3/4	1,406.28	3/4	1,502.98	3/4	1,599.70	3/4	1,696.43	3/4	1,793.15	3/4	1,889.87
7/8	1,021.30	7/8	1,118.04	7/8	1,214.79	7/8	1,311.54	7/8	1,408.29	7/8	1,504.99	7/8	1,601.72	7/8	1,698.44	7/8	1,795.17	7/8	1,891.89
3	1,023.31	9	1,120.06	3	1,216.81	9	1,313.56	3	1,410.31	9	1,507.01	3	1,603.73	9	1,700.46	3	1,797.18	9	1,893.91
1/8	1,025.33	1/8	1,122.08	1/8	1,218.82	1/8	1,315.57	1/8	1,412.32	1/8	1,509.02	1/8	1,605.75	1/8	1,702.47	1/8	1,799.20	1/8	1,895.92
1/4	1,027.34	1/4	1,124.09	1/4	1,220.84	1/4	1,317.59	1/4	1,414.33	1/4	1,511.04	1/4	1,607.76	1/4	1,704.49	1/4	1,801.21	1/4	1,897.94
3/8	1,029.36	3/8	1,126.11	3/8	1,222.86	3/8	1,319.60	3/8	1,416.34	3/8	1,513.05	3/8	1,609.78	3/8	1,706.50	3/8	1,803.23	3/8	1,899.95
1/2	1,031.37	1/2	1,128.12	1/2	1,224.87	1/2	1,321.62	1/2	1,418.35	1/2	1,515.07	1/2	1,611.79	1/2	1,708.52	1/2	1,805.24	1/2	1,901.97
5/8	1,033.39	5/8	1,130.14	5/8	1,226.89	5/8	1,323.64	5/8	1,420.37	5/8	1,517.08	5/8	1,613.81	5/8	1,710.53	5/8	1,807.26	5/8	1,903.98
3/4	1,035.41	3/4	1,132.15	3/4	1,228.90	3/4	1,325.65	3/4	1,422.38	3/4	1,519.10	3/4	1,615.82	3/4	1,712.55	3/4	1,809.27	3/4	1,906.00
7/8	1,037.42	7/8	1,134.17	7/8	1,230.92	7/8	1,327.67	7/8	1,424.39	7/8	1,521.11	7/8	1,617.84	7/8	1,714.56	7/8	1,811.29	7/8	1,908.01
4	1,039.44	10	1,136.19	4	1,232.93	10	1,329.68	4	1,426.40	10	1,523.13	4	1,619.85	10	1,716.58	4	1,813.30	10	1,910.03
1/8	1,041.45	1/8	1,138.20	1/8	1,234.95	1/8	1,331.70	1/8	1,428.42	1/8	1,525.14	1/8	1,621.87	1/8	1,718.59	1/8	1,815.32	1/8	1,912.04
1/4	1,043.47	1/4	1,140.22	1/4	1,236.97	1/4	1,333.71	1/4	1,430.43	1/4	1,527.16	1/4	1,623.88	1/4	1,720.61	1/4	1,817.33	1/4	1,914.06
3/8	1,045.48	3/8	1,142.23	3/8	1,238.98	3/8	1,335.73	3/8	1,432.45	3/8	1,529.17	3/8	1,625.90	3/8	1,722.62	3/8	1,819.35	3/8	1,916.07
1/2	1,047.50	1/2	1,144.25	1/2	1,241.00	1/2	1,337.75	1/2	1,434.46	1/2	1,531.19	1/2	1,627.91	1/2	1,724.64	1/2	1,821.36	1/2	1,918.09
5/8	1,049.51	5/8	1,146.26	5/8	1,243.01	5/8	1,339.76	5/8	1,436.48	5/8	1,533.20	5/8	1,629.93	5/8	1,726.65	5/8	1,823.38	5/8	1,920.10
3/4	1,051.53	3/4	1,148.28	3/4	1,245.03	3/4	1,341.78	3/4	1,438.49	3/4	1,535.22	3/4	1,631.94	3/4	1,728.67	3/4	1,825.39	3/4	1,922.12
7/8	1,053.55	7/8	1,150.29	7/8	1,247.04	7/8	1,343.79	7/8	1,440.51	7/8	1,537.23	7/8	1,633.96	7/8	1,730.68	7/8	1,827.41	7/8	1,924.13
5	1,055.56	11	1,152.31	5	1,249.06	11	1,345.81	5	1,442.52	11	1,539.25	5	1,635.97	11	1,732.70	5	1,829.42	11	1,926.15
1/8	1,057.58	1/8	1,154.33	1/8	1,251.07	1/8	1,347.82	1/8	1,444.54	1/8	1,541.26	1/8	1,637.99	1/8	1,734.71	1/8	1,831.44	1/8	1,928.16
1/4	1,059.59	1/4	1,156.34	1/4	1,253.09	1/4	1,349.84	1/4	1,446.55	1/4	1,543.28	1/4	1,640.00	1/4	1,736.73	1/4	1,833.45	1/4	1,930.18
3/8	1,061.61	3/8	1,158.36	3/8	1,255.11	3/8	1,351.85	3/8	1,448.57	3/8	1,545.29	3/8	1,642.02	3/8	1,738.74	3/8	1,835.47	3/8	1,932.19
1/2	1,063.62	1/2	1,160.37	1/2	1,257.12	1/2	1,353.87	1/2	1,450.58	1/2	1,547.31	1/2	1,644.03	1/2	1,740.76	1/2	1,837.48	1/2	1,934.21
5/8	1,065.64	5/8	1,162.39	5/8	1,259.14	5/8	1,355.89	5/8	1,452.60	5/8	1,549.32	5/8	1,646.05	5/8	1,742.77	5/8	1,839.50	5/8	1,936.22
3/4	1,067.65	3/4	1,164.40	3/4	1,261.15	3/4	1,357.90	3/4	1,454.61	3/4	1,551.34	3/4	1,648.06	3/4	1,744.79	3/4	1,841.51	3/4	1,938.24
7/8	1,069.67	7/8	1,166.42	7/8	1,263.17	7/8	1,359.92	7/8	1,456.63	7/8	1,553.35	7/8	1,650.08	7/8	1,746.80	7/8	1,843.53	7/8	1,940.25

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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# BARGE "KIRBY 27773"

## 4 STBD INNAGE TABLE

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

GAUGE HEIGHT 15'-09 3/4"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	1,942.27	6	2,038.86	0	2,134.81	6	2,230.74	0	2,326.68	6	2,421.78	0		6		0		6	
1/8	1,944.28	1/8	2,040.86	1/8	2,136.81	1/8	2,232.74	1/8	2,328.67	1/8	2,423.57	1/8		1/8		1/8		1/8	
1/4	1,946.30	1/4	2,042.86	1/4	2,138.81	1/4	2,234.74	1/4	2,330.67	1/4	2,425.37	1/4		1/4		1/4		1/4	
3/8	1,948.31	3/8	2,044.86	3/8	2,140.81	3/8	2,236.74	3/8	2,332.66	3/8	2,427.16	3/8		3/8		3/8		3/8	
1/2	1,950.33	1/2	2,046.86	1/2	2,142.81	1/2	2,238.74	1/2	2,334.66	1/2	2,428.95	1/2		1/2		1/2		1/2	
5/8	1,952.34	5/8	2,048.86	5/8	2,144.80	5/8	2,240.74	5/8	2,336.66	5/8	2,430.74	5/8		5/8		5/8		5/8	
3/4	1,954.36	3/4	2,050.86	3/4	2,146.80	3/4	2,242.74	3/4	2,338.65	3/4	2,432.53	3/4		3/4		3/4		3/4	
7/8	1,956.37	7/8	2,052.87	7/8	2,148.80	7/8	2,244.73	7/8	2,340.65	7/8	2,434.32	7/8		7/8		7/8		7/8	
1	1,958.39	7	2,054.87	1	2,150.80	7	2,246.73	1	2,342.64	7	2,436.12	1		7		1		7	
1/8	1,960.40	1/8	2,056.87	1/8	2,152.80	1/8	2,248.73	1/8	2,344.63	1/8	2,437.60	1/8		1/8		1/8		1/8	
1/4	1,962.41	1/4	2,058.86	1/4	2,154.80	1/4	2,250.73	1/4	2,346.62	1/4	2,439.08	1/4		1/4		1/4		1/4	
3/8	1,964.43	3/8	2,060.86	3/8	2,156.80	3/8	2,252.73	3/8	2,348.61	3/8	2,440.56	3/8		3/8		3/8		3/8	
1/2	1,966.44	1/2	2,062.86	1/2	2,158.79	1/2	2,254.73	1/2	2,350.60	1/2	2,442.04	1/2		1/2		1/2		1/2	
5/8	1,968.45	5/8	2,064.86	5/8	2,160.79	5/8	2,256.73	5/8	2,352.58	5/8	2,443.52	5/8		5/8		5/8		5/8	
3/4	1,970.46	3/4	2,066.86	3/4	2,162.79	3/4	2,258.72	3/4	2,354.57	3/4	2,445.00	3/4		3/4		3/4		3/4	
7/8	1,972.47	7/8	2,068.86	7/8	2,164.79	7/8	2,260.72	7/8	2,356.56	7/8	2,446.48	7/8		7/8		7/8		7/8	
2	1,974.49	8	2,070.86	2	2,166.79	8	2,262.72	2	2,358.55	8	2,447.96	2		8		2		8	
1/8	1,976.50	1/8	2,072.85	1/8	2,168.79	1/8	2,264.72	1/8	2,360.53	1/8	2,449.10	1/8		1/8		1/8		1/8	
1/4	1,978.51	1/4	2,074.85	1/4	2,170.79	1/4	2,266.72	1/4	2,362.51	1/4	2,450.24	1/4		1/4		1/4		1/4	
3/8	1,980.52	3/8	2,076.85	3/8	2,172.78	3/8	2,268.72	3/8	2,364.50	3/8	2,451.39	3/8		3/8		3/8		3/8	
1/2	1,982.54	1/2	2,078.85	1/2	2,174.78	1/2	2,270.72	1/2	2,366.48	1/2	2,452.53	1/2		1/2		1/2		1/2	
5/8	1,984.55	5/8	2,080.85	5/8	2,176.78	5/8	2,272.71	5/8	2,368.47	5/8	2,453.68	5/8		5/8		5/8		5/8	
3/4	1,986.56	3/4	2,082.85	3/4	2,178.78	3/4	2,274.71	3/4	2,370.45	3/4	2,454.82	3/4		3/4		3/4		3/4	
7/8	1,988.57	7/8	2,084.85	7/8	2,180.78	7/8	2,276.71	7/8	2,372.43	7/8	2,455.97	7/8		7/8		7/8		7/8	
3	1,990.59	9	2,086.84	3	2,182.78	9	2,278.71	3	2,374.42	9	2,457.11	3		9		3		9	
1/8	1,992.60	1/8	2,088.84	1/8	2,184.78	1/8	2,280.71	1/8	2,376.40	1/8	2,457.92	1/8		1/8		1/8		1/8	
1/4	1,994.61	1/4	2,090.84	1/4	2,186.77	1/4	2,282.71	1/4	2,378.38	1/4	2,458.73	1/4		1/4		1/4		1/4	
3/8	1,996.62	3/8	2,092.84	3/8	2,188.77	3/8	2,284.71	3/8	2,380.37	3/8		3/8		3/8		3/8		3/8	
1/2	1,998.64	1/2	2,094.84	1/2	2,190.77	1/2	2,286.70	1/2	2,382.35	1/2		1/2		1/2		1/2		1/2	
5/8	2,000.65	5/8	2,096.84	5/8	2,192.77	5/8	2,288.70	5/8	2,384.33	5/8		5/8		5/8		5/8		5/8	
3/4	2,002.66	3/4	2,098.84	3/4	2,194.77	3/4	2,290.70	3/4	2,386.32	3/4		3/4		3/4		3/4		3/4	
7/8	2,004.68	7/8	2,100.83	7/8	2,196.77	7/8	2,292.70	7/8	2,388.30	7/8		7/8		7/8		7/8		7/8	
4	2,006.69	10	2,102.83	4	2,198.77	10	2,294.70	4	2,390.28	10		4		10		4		10	
1/8	2,008.70	1/8	2,104.83	1/8	2,200.76	1/8	2,296.70	1/8	2,392.26	1/8		1/8		1/8		1/8		1/8	
1/4	2,010.71	1/4	2,106.83	1/4	2,202.76	1/4	2,298.70	1/4	2,394.24	1/4		1/4		1/4		1/4		1/4	
3/8	2,012.73	3/8	2,108.83	3/8	2,204.76	3/8	2,300.69	3/8	2,396.22	3/8		3/8		3/8		3/8		3/8	
1/2	2,014.74	1/2	2,110.83	1/2	2,206.76	1/2	2,302.69	1/2	2,398.20	1/2		1/2		1/2		1/2		1/2	
5/8	2,016.75	5/8	2,112.83	5/8	2,208.76	5/8	2,304.69	5/8	2,400.19	5/8		5/8		5/8		5/8		5/8	
3/4	2,018.76	3/4	2,114.82	3/4	2,210.76	3/4	2,306.69	3/4	2,402.17	3/4		3/4		3/4		3/4		3/4	
7/8	2,020.78	7/8	2,116.82	7/8	2,212.76	7/8	2,308.69	7/8	2,404.15	7/8		7/8		7/8		7/8		7/8	
5	2,022.79	11	2,118.82	5	2,214.75	11	2,310.69	5	2,406.13	11		5		11		5		11	
1/8	2,024.80	1/8	2,120.82	1/8	2,216.75	1/8	2,312.69	1/8	2,408.08	1/8		1/8		1/8		1/8		1/8	
1/4	2,026.81	1/4	2,122.82	1/4	2,218.75	1/4	2,314.68	1/4	2,410.04	1/4		1/4		1/4		1/4		1/4	
3/8	2,028.81	3/8	2,124.82	3/8	2,220.75	3/8	2,316.68	3/8	2,412.00	3/8		3/8		3/8		3/8		3/8	
1/2	2,030.82	1/2	2,126.82	1/2	2,222.75	1/2	2,318.68	1/2	2,413.95	1/2		1/2		1/2		1/2		1/2	
5/8	2,032.83	5/8	2,128.81	5/8	2,224.75	5/8	2,320.68	5/8	2,415.91	5/8		5/8		5/8		5/8		5/8	
3/4	2,034.84	3/4	2,130.81	3/4	2,226.75	3/4	2,322.68	3/4	2,417.87	3/4		3/4		3/4		3/4		3/4	
7/8	2,036.85	7/8	2,132.81	7/8	2,228.74	7/8	2,324.68	7/8	2,419.83	7/8		7/8		7/8		7/8		7/8	

STRAPPED: 09/10/2009 CL - SW  
 RECALCULATED: 12/04/2009 CL  
 REPRINTED: 12/04/2009 SW

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 09/2009

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





# BARGE "KIRBY 27773"

## 5 PORT INNAGE TABLE

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

GAUGE HEIGHT 15'-09 3/4"

IN	0 FT.	IN	0 FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0	19.01	6	148.77	0	281.50	6	413.04	0	549.29	6	686.42	0	823.55	6	960.68	0	1,097.81	6	1,234.94
1/8	21.16	1/8	151.61	1/8	284.24	1/8	415.81	1/8	552.14	1/8	689.27	1/8	826.41	1/8	963.54	1/8	1,100.67	1/8	1,237.80
1/4	23.31	1/4	154.44	1/4	286.98	1/4	418.59	1/4	555.00	1/4	692.13	1/4	829.26	1/4	966.39	1/4	1,103.53	1/4	1,240.66
3/8	25.46	3/8	157.28	3/8	289.72	3/8	421.36	3/8	557.86	3/8	694.99	3/8	832.12	3/8	969.25	3/8	1,106.38	3/8	1,243.51
1/2	27.60	1/2	160.11	1/2	292.46	1/2	424.14	1/2	560.71	1/2	697.85	1/2	834.98	1/2	972.11	1/2	1,109.24	1/2	1,246.37
5/8	29.75	5/8	162.95	5/8	295.20	5/8	426.91	5/8	563.57	5/8	700.70	5/8	837.83	5/8	974.96	5/8	1,112.10	5/8	1,249.23
3/4	31.90	3/4	165.78	3/4	297.94	3/4	429.68	3/4	566.43	3/4	703.56	3/4	840.69	3/4	977.82	3/4	1,114.95	3/4	1,252.08
7/8	34.05	7/8	168.62	7/8	300.68	7/8	432.46	7/8	569.29	7/8	706.42	7/8	843.55	7/8	980.68	7/8	1,117.81	7/8	1,254.94
1	36.19	7	171.45	1	303.42	7	435.23	1	572.14	7	709.27	1	846.40	7	983.54	1	1,120.67	7	1,257.80
1/8	38.86	1/8	174.24	1/8	306.16	1/8	438.06	1/8	575.00	1/8	712.13	1/8	849.26	1/8	986.39	1/8	1,123.52	1/8	1,260.65
1/4	41.53	1/4	177.02	1/4	308.90	1/4	440.89	1/4	577.86	1/4	714.99	1/4	852.12	1/4	989.25	1/4	1,126.38	1/4	1,263.51
3/8	44.20	3/8	179.80	3/8	311.64	3/8	443.72	3/8	580.71	3/8	717.84	3/8	854.98	3/8	992.11	3/8	1,129.24	3/8	1,266.37
1/2	46.86	1/2	182.58	1/2	314.38	1/2	446.55	1/2	583.57	1/2	720.70	1/2	857.83	1/2	994.96	1/2	1,132.09	1/2	1,269.23
5/8	49.53	5/8	185.36	5/8	317.12	5/8	449.38	5/8	586.43	5/8	723.56	5/8	860.69	5/8	997.82	5/8	1,134.95	5/8	1,272.08
3/4	52.20	3/4	188.14	3/4	319.85	3/4	452.21	3/4	589.28	3/4	726.41	3/4	863.55	3/4	1,000.68	3/4	1,137.81	3/4	1,274.94
7/8	54.86	7/8	190.92	7/8	322.59	7/8	455.04	7/8	592.14	7/8	729.27	7/8	866.40	7/8	1,003.53	7/8	1,140.67	7/8	1,277.80
2	57.53	8	193.70	2	325.33	8	457.87	2	595.00	8	732.13	2	869.26	8	1,006.39	2	1,143.52	8	1,280.65
1/8	60.37	1/8	196.46	1/8	328.07	1/8	460.72	1/8	597.85	1/8	734.99	1/8	872.12	1/8	1,009.25	1/8	1,146.38	1/8	1,283.51
1/4	63.21	1/4	199.21	1/4	330.81	1/4	463.58	1/4	600.71	1/4	737.84	1/4	874.97	1/4	1,012.10	1/4	1,149.24	1/4	1,286.37
3/8	66.04	3/8	201.96	3/8	333.55	3/8	466.44	3/8	603.57	3/8	740.70	3/8	877.83	3/8	1,014.96	3/8	1,152.09	3/8	1,289.22
1/2	68.88	1/2	204.71	1/2	336.29	1/2	469.29	1/2	606.42	1/2	743.56	1/2	880.69	1/2	1,017.82	1/2	1,154.95	1/2	1,292.08
5/8	71.72	5/8	207.47	5/8	339.03	5/8	472.15	5/8	609.28	5/8	746.41	5/8	883.54	5/8	1,020.68	5/8	1,157.81	5/8	1,294.94
3/4	74.55	3/4	210.22	3/4	341.77	3/4	475.01	3/4	612.14	3/4	749.27	3/4	886.40	3/4	1,023.53	3/4	1,160.66	3/4	1,297.79
7/8	77.39	7/8	212.97	7/8	344.51	7/8	477.86	7/8	615.00	7/8	752.13	7/8	889.26	7/8	1,026.39	7/8	1,163.52	7/8	1,300.65
3	80.23	9	215.72	3	347.25	9	480.72	3	617.85	9	754.98	3	892.11	9	1,029.25	3	1,166.38	9	1,303.51
1/8	83.08	1/8	218.47	1/8	349.99	1/8	483.58	1/8	620.71	1/8	757.84	1/8	894.97	1/8	1,032.10	1/8	1,169.23	1/8	1,306.37
1/4	85.93	1/4	221.21	1/4	352.73	1/4	486.43	1/4	623.57	1/4	760.70	1/4	897.83	1/4	1,034.96	1/4	1,172.09	1/4	1,309.22
3/8	88.78	3/8	223.96	3/8	355.47	3/8	489.29	3/8	626.42	3/8	763.55	3/8	900.69	3/8	1,037.82	3/8	1,174.95	3/8	1,312.08
1/2	91.63	1/2	226.70	1/2	358.20	1/2	492.15	1/2	629.28	1/2	766.41	1/2	903.54	1/2	1,040.67	1/2	1,177.80	1/2	1,314.94
5/8	94.48	5/8	229.44	5/8	360.94	5/8	495.01	5/8	632.14	5/8	769.27	5/8	906.40	5/8	1,043.53	5/8	1,180.66	5/8	1,317.79
3/4	97.33	3/4	232.19	3/4	363.68	3/4	497.86	3/4	634.99	3/4	772.12	3/4	909.26	3/4	1,046.39	3/4	1,183.52	3/4	1,320.65
7/8	100.18	7/8	234.93	7/8	366.42	7/8	500.72	7/8	637.85	7/8	774.98	7/8	912.11	7/8	1,049.24	7/8	1,186.38	7/8	1,323.51
4	103.03	10	237.68	4	369.16	10	503.58	4	640.71	10	777.84	4	914.97	10	1,052.10	4	1,189.23	10	1,326.36
1/8	105.88	1/8	240.41	1/8	371.90	1/8	506.43	1/8	643.56	1/8	780.70	1/8	917.83	1/8	1,054.96	1/8	1,192.09	1/8	1,329.22
1/4	108.74	1/4	243.15	1/4	374.64	1/4	509.29	1/4	646.42	1/4	783.55	1/4	920.68	1/4	1,057.81	1/4	1,194.95	1/4	1,332.08
3/8	111.60	3/8	245.89	3/8	377.38	3/8	512.15	3/8	649.28	3/8	786.41	3/8	923.54	3/8	1,060.67	3/8	1,197.80	3/8	1,334.93
1/2	114.45	1/2	248.63	1/2	380.12	1/2	515.00	1/2	652.14	1/2	789.27	1/2	926.40	1/2	1,063.53	1/2	1,200.66	1/2	1,337.79
5/8	117.31	5/8	251.37	5/8	382.86	5/8	517.86	5/8	654.99	5/8	792.12	5/8	929.25	5/8	1,066.39	5/8	1,203.52	5/8	1,340.65
3/4	120.17	3/4	254.11	3/4	385.60	3/4	520.72	3/4	657.85	3/4	794.98	3/4	932.11	3/4	1,069.24	3/4	1,206.37	3/4	1,343.50
7/8	123.02	7/8	256.85	7/8	388.34	7/8	523.57	7/8	660.71	7/8	797.84	7/8	934.97	7/8	1,072.10	7/8	1,209.23	7/8	1,346.36
5	125.88	11	259.59	5	391.09	11	526.43	5	663.56	11	800.69	5	937.83	11	1,074.96	5	1,212.09	11	1,349.22
1/8	128.74	1/8	262.33	1/8	393.83	1/8	529.29	1/8	666.42	1/8	803.55	1/8	940.68	1/8	1,077.81	1/8	1,214.94	1/8	1,352.08
1/4	131.60	1/4	265.07	1/4	396.57	1/4	532.15	1/4	669.28	1/4	806.41	1/4	943.54	1/4	1,080.67	1/4	1,217.80	1/4	1,354.93
3/8	134.46	3/8	267.81	3/8	399.32	3/8	535.00	3/8	672.13	3/8	809.26	3/8	946.40	3/8	1,083.53	3/8	1,220.66	3/8	1,357.79
1/2	137.33	1/2	270.55	1/2	402.06	1/2	537.86	1/2	674.99	1/2	812.12	1/2	949.25	1/2	1,086.38	1/2	1,223.52	1/2	1,360.65
5/8	140.19	5/8	273.29	5/8	404.81	5/8	540.72	5/8	677.85	5/8	814.98	5/8	952.11	5/8	1,089.24	5/8	1,226.37	5/8	1,363.50
3/4	143.05	3/4	276.03	3/4	407.55	3/4	543.57	3/4	680.70	3/4	817.84	3/4	954.97	3/4	1,092.10	3/4	1,229.23	3/4	1,366.36
7/8	145.91	7/8	278.77	7/8	410.29	7/8	546.43	7/8	683.56	7/8	820.69	7/8	957.82	7/8	1,094.95	7/8	1,232.09	7/8	1,369.22

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 AT 2" DIAMETER STANDPIPE

GAUGE POINT: (MANUAL) LOCATED 10'-10" OFF CENTERLINE AND 32'-00" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 27773"

## 5 PORT INNAGE TABLE

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

GAUGE HEIGHT 15'-09 3/4"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	1,372.07	6	1,509.10	0	1,645.90	6	1,782.84	0	1,920.05	6	2,057.25	0	2,194.42	6	2,331.60	0	2,468.77	6	2,605.95
1/8	1,374.93	1/8	1,511.95	1/8	1,648.75	1/8	1,785.70	1/8	1,922.91	1/8	2,060.11	1/8	2,197.28	1/8	2,334.46	1/8	2,471.63	1/8	2,608.80
1/4	1,377.79	1/4	1,514.80	1/4	1,651.60	1/4	1,788.56	1/4	1,925.77	1/4	2,062.96	1/4	2,200.14	1/4	2,337.31	1/4	2,474.49	1/4	2,611.66
3/8	1,380.64	3/8	1,517.65	3/8	1,654.45	3/8	1,791.42	3/8	1,928.63	3/8	2,065.82	3/8	2,203.00	3/8	2,340.17	3/8	2,477.35	3/8	2,614.52
1/2	1,383.50	1/2	1,520.50	1/2	1,657.30	1/2	1,794.28	1/2	1,931.49	1/2	2,068.68	1/2	2,205.85	1/2	2,343.03	1/2	2,480.20	1/2	2,617.38
5/8	1,386.36	5/8	1,523.35	5/8	1,660.15	5/8	1,797.13	5/8	1,934.35	5/8	2,071.54	5/8	2,208.71	5/8	2,345.89	5/8	2,483.06	5/8	2,620.24
3/4	1,389.22	3/4	1,526.20	3/4	1,663.00	3/4	1,799.99	3/4	1,937.21	3/4	2,074.40	3/4	2,211.57	3/4	2,348.74	3/4	2,485.92	3/4	2,623.09
7/8	1,392.07	7/8	1,529.05	7/8	1,665.85	7/8	1,802.85	7/8	1,940.06	7/8	2,077.25	7/8	2,214.43	7/8	2,351.60	7/8	2,488.78	7/8	2,625.95
1	1,394.93	7	1,531.90	1	1,668.70	7	1,805.71	1	1,942.92	7	2,080.11	1	2,217.29	7	2,354.46	1	2,491.63	7	2,628.81
1/8	1,397.79	1/8	1,534.75	1/8	1,671.55	1/8	1,808.57	1/8	1,945.78	1/8	2,082.97	1/8	2,220.14	1/8	2,357.32	1/8	2,494.49	1/8	2,631.67
1/4	1,400.64	1/4	1,537.60	1/4	1,674.40	1/4	1,811.43	1/4	1,948.64	1/4	2,085.83	1/4	2,223.00	1/4	2,360.18	1/4	2,497.35	1/4	2,634.52
3/8	1,403.50	3/8	1,540.45	3/8	1,677.25	3/8	1,814.29	3/8	1,951.50	3/8	2,088.68	3/8	2,225.86	3/8	2,363.03	3/8	2,500.21	3/8	2,637.38
1/2	1,406.36	1/2	1,543.30	1/2	1,680.10	1/2	1,817.15	1/2	1,954.36	1/2	2,091.54	1/2	2,228.72	1/2	2,365.89	1/2	2,503.07	1/2	2,640.24
5/8	1,409.21	5/8	1,546.15	5/8	1,682.95	5/8	1,820.00	5/8	1,957.22	5/8	2,094.40	5/8	2,231.57	5/8	2,368.75	5/8	2,505.92	5/8	2,643.10
3/4	1,412.07	3/4	1,549.00	3/4	1,685.80	3/4	1,822.86	3/4	1,960.08	3/4	2,097.26	3/4	2,234.43	3/4	2,371.61	3/4	2,508.78	3/4	2,645.96
7/8	1,414.93	7/8	1,551.85	7/8	1,688.65	7/8	1,825.72	7/8	1,962.93	7/8	2,100.12	7/8	2,237.29	7/8	2,374.46	7/8	2,511.64	7/8	2,648.81
2	1,417.78	8	1,554.70	2	1,691.50	8	1,828.58	2	1,965.79	8	2,102.97	2	2,240.15	8	2,377.32	2	2,514.50	8	2,651.67
1/8	1,420.64	1/8	1,557.55	1/8	1,694.35	1/8	1,831.44	1/8	1,968.65	1/8	2,105.83	1/8	2,243.01	1/8	2,380.18	1/8	2,517.35	1/8	2,654.53
1/4	1,423.50	1/4	1,560.40	1/4	1,697.20	1/4	1,834.30	1/4	1,971.51	1/4	2,108.69	1/4	2,245.86	1/4	2,383.04	1/4	2,520.21	1/4	2,657.39
3/8	1,426.36	3/8	1,563.25	3/8	1,700.05	3/8	1,837.16	3/8	1,974.37	3/8	2,111.55	3/8	2,248.72	3/8	2,385.90	3/8	2,523.07	3/8	2,660.24
1/2	1,429.21	1/2	1,566.10	1/2	1,702.90	1/2	1,840.01	1/2	1,977.23	1/2	2,114.41	1/2	2,251.58	1/2	2,388.75	1/2	2,525.93	1/2	2,663.10
5/8	1,432.07	5/8	1,568.95	5/8	1,705.75	5/8	1,842.87	5/8	1,980.09	5/8	2,117.26	5/8	2,254.44	5/8	2,391.61	5/8	2,528.79	5/8	2,665.96
3/4	1,434.93	3/4	1,571.80	3/4	1,708.60	3/4	1,845.73	3/4	1,982.94	3/4	2,120.12	3/4	2,257.30	3/4	2,394.47	3/4	2,531.64	3/4	2,668.82
7/8	1,437.78	7/8	1,574.65	7/8	1,711.45	7/8	1,848.59	7/8	1,985.80	7/8	2,122.98	7/8	2,260.15	7/8	2,397.33	7/8	2,534.50	7/8	2,671.68
3	1,440.64	9	1,577.50	3	1,714.30	9	1,851.45	3	1,988.66	9	2,125.84	3	2,263.01	9	2,400.19	3	2,537.36	9	2,674.53
1/8	1,443.50	1/8	1,580.35	1/8	1,717.15	1/8	1,854.31	1/8	1,991.52	1/8	2,128.69	1/8	2,265.87	1/8	2,403.04	1/8	2,540.22	1/8	2,677.39
1/4	1,446.35	1/4	1,583.20	1/4	1,720.01	1/4	1,857.17	1/4	1,994.38	1/4	2,131.55	1/4	2,268.73	1/4	2,405.90	1/4	2,543.08	1/4	2,680.25
3/8	1,449.21	3/8	1,586.05	3/8	1,722.86	3/8	1,860.02	3/8	1,997.23	3/8	2,134.41	3/8	2,271.58	3/8	2,408.76	3/8	2,545.93	3/8	2,683.11
1/2	1,452.06	1/2	1,588.90	1/2	1,725.71	1/2	1,862.88	1/2	2,000.09	1/2	2,137.27	1/2	2,274.44	1/2	2,411.62	1/2	2,548.79	1/2	2,685.97
5/8	1,454.92	5/8	1,591.75	5/8	1,728.56	5/8	1,865.74	5/8	2,002.95	5/8	2,140.13	5/8	2,277.30	5/8	2,414.47	5/8	2,551.65	5/8	2,688.82
3/4	1,457.77	3/4	1,594.60	3/4	1,731.42	3/4	1,868.60	3/4	2,005.81	3/4	2,142.98	3/4	2,280.16	3/4	2,417.33	3/4	2,554.51	3/4	2,691.68
7/8	1,460.63	7/8	1,597.45	7/8	1,734.27	7/8	1,871.46	7/8	2,008.67	7/8	2,145.84	7/8	2,283.02	7/8	2,420.19	7/8	2,557.36	7/8	2,694.54
4	1,463.49	10	1,600.30	4	1,737.12	10	1,874.32	4	2,011.52	10	2,148.70	4	2,285.87	10	2,423.05	4	2,560.22	10	2,697.40
1/8	1,466.34	1/8	1,603.15	1/8	1,739.98	1/8	1,877.18	1/8	2,014.38	1/8	2,151.56	1/8	2,288.73	1/8	2,425.91	1/8	2,563.08	1/8	2,700.25
1/4	1,469.19	1/4	1,606.00	1/4	1,742.83	1/4	1,880.03	1/4	2,017.24	1/4	2,154.41	1/4	2,291.59	1/4	2,428.76	1/4	2,565.94	1/4	2,703.11
3/8	1,472.04	3/8	1,608.85	3/8	1,745.69	3/8	1,882.89	3/8	2,020.10	3/8	2,157.27	3/8	2,294.45	3/8	2,431.62	3/8	2,568.80	3/8	2,705.97
1/2	1,474.89	1/2	1,611.70	1/2	1,748.55	1/2	1,885.75	1/2	2,022.96	1/2	2,160.13	1/2	2,297.30	1/2	2,434.48	1/2	2,571.65	1/2	2,708.83
5/8	1,477.74	5/8	1,614.55	5/8	1,751.40	5/8	1,888.61	5/8	2,025.81	5/8	2,162.99	5/8	2,300.16	5/8	2,437.34	5/8	2,574.51	5/8	2,711.69
3/4	1,480.60	3/4	1,617.40	3/4	1,754.26	3/4	1,891.47	3/4	2,028.67	3/4	2,165.85	3/4	2,303.02	3/4	2,440.19	3/4	2,577.37	3/4	2,714.54
7/8	1,483.45	7/8	1,620.25	7/8	1,757.12	7/8	1,894.33	7/8	2,031.53	7/8	2,168.70	7/8	2,305.88	7/8	2,443.05	7/8	2,580.23	7/8	2,717.40
5	1,486.30	11	1,623.10	5	1,759.97	11	1,897.19	5	2,034.39	11	2,171.56	5	2,308.74	11	2,445.91	5	2,583.08	11	2,720.26
1/8	1,489.15	1/8	1,625.95	1/8	1,762.83	1/8	1,900.04	1/8	2,037.24	1/8	2,174.42	1/8	2,311.59	1/8	2,448.77	1/8	2,585.94	1/8	2,723.12
1/4	1,492.00	1/4	1,628.80	1/4	1,765.69	1/4	1,902.90	1/4	2,040.10	1/4	2,177.28	1/4	2,314.45	1/4	2,451.63	1/4	2,588.80	1/4	2,725.97
3/8	1,494.85	3/8	1,631.65	3/8	1,768.55	3/8	1,905.76	3/8	2,042.96	3/8	2,180.13	3/8	2,317.31	3/8	2,454.48	3/8	2,591.66	3/8	2,728.83
1/2	1,497.70	1/2	1,634.50	1/2	1,771.41	1/2	1,908.62	1/2	2,045.82	1/2	2,182.99	1/2	2,320.17	1/2	2,457.34	1/2	2,594.52	1/2	2,731.69
5/8	1,500.55	5/8	1,637.35	5/8	1,774.27	5/8	1,911.48	5/8	2,048.68	5/8	2,185.85	5/8	2,323.02	5/8	2,460.20	5/8	2,597.37	5/8	2,734.55
3/4	1,503.40	3/4	1,640.20	3/4	1,777.12	3/4	1,914.34	3/4	2,051.53	3/4	2,188.71	3/4	2,325.88	3/4	2,463.06	3/4	2,600.23	3/4	2,737.40
7/8	1,506.25	7/8	1,643.05	7/8	1,779.98	7/8	1,917.20	7/8	2,054.39	7/8	2,191.57	7/8	2,328.74	7/8	2,465.91	7/8	2,603.09	7/8	2,740.26

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# BARGE "KIRBY 27773"

## 5 PORT INNAGE TABLE

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

Gauge Height 15'-09 3/4"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	2,743.12	6	2,880.02	0	3,016.03	6	3,152.00	0	3,287.98	6	3,422.76	0		6		0		6	
1/8	2,745.98	1/8	2,882.86	1/8	3,018.86	1/8	3,154.83	1/8	3,290.80	1/8	3,425.30	1/8		1/8		1/8		1/8	
1/4	2,748.83	1/4	2,885.70	1/4	3,021.69	1/4	3,157.67	1/4	3,293.63	1/4	3,427.84	1/4		1/4		1/4		1/4	
3/8	2,751.69	3/8	2,888.53	3/8	3,024.53	3/8	3,160.50	3/8	3,296.46	3/8	3,430.38	3/8		3/8		3/8		3/8	
1/2	2,754.54	1/2	2,891.37	1/2	3,027.36	1/2	3,163.33	1/2	3,299.29	1/2	3,432.92	1/2		1/2		1/2		1/2	
5/8	2,757.40	5/8	2,894.21	5/8	3,030.19	5/8	3,166.17	5/8	3,302.11	5/8	3,435.46	5/8		5/8		5/8		5/8	
3/4	2,760.26	3/4	2,897.04	3/4	3,033.02	3/4	3,169.00	3/4	3,304.94	3/4	3,437.99	3/4		3/4		3/4		3/4	
7/8	2,763.11	7/8	2,899.88	7/8	3,035.86	7/8	3,171.83	7/8	3,307.77	7/8	3,440.53	7/8		7/8		7/8		7/8	
1	2,765.97	7	2,902.72	1	3,038.69	7	3,174.66	1	3,310.59	7	3,443.07	1		7		1		7	
1/8	2,768.82	1/8	2,905.55	1/8	3,041.52	1/8	3,177.50	1/8	3,313.41	1/8	3,445.17	1/8		1/8		1/8		1/8	
1/4	2,771.68	1/4	2,908.38	1/4	3,044.36	1/4	3,180.33	1/4	3,316.23	1/4	3,447.26	1/4		1/4		1/4		1/4	
3/8	2,774.53	3/8	2,911.21	3/8	3,047.19	3/8	3,183.16	3/8	3,319.05	3/8	3,449.36	3/8		3/8		3/8		3/8	
1/2	2,777.38	1/2	2,914.05	1/2	3,050.02	1/2	3,186.00	1/2	3,321.86	1/2	3,451.46	1/2		1/2		1/2		1/2	
5/8	2,780.24	5/8	2,916.88	5/8	3,052.85	5/8	3,188.83	5/8	3,324.68	5/8	3,453.55	5/8		5/8		5/8		5/8	
3/4	2,783.09	3/4	2,919.71	3/4	3,055.69	3/4	3,191.66	3/4	3,327.50	3/4	3,455.65	3/4		3/4		3/4		3/4	
7/8	2,785.95	7/8	2,922.55	7/8	3,058.52	7/8	3,194.49	7/8	3,330.32	7/8	3,457.74	7/8		7/8		7/8		7/8	
2	2,788.80	8	2,925.38	2	3,061.35	8	3,197.33	2	3,333.13	8	3,459.84	2		8		2		8	
1/8	2,791.65	1/8	2,928.21	1/8	3,064.19	1/8	3,200.16	1/8	3,335.94	1/8	3,461.46	1/8		1/8		1/8		1/8	
1/4	2,794.50	1/4	2,931.04	1/4	3,067.02	1/4	3,202.99	1/4	3,338.76	1/4	3,463.08	1/4		1/4		1/4		1/4	
3/8	2,797.36	3/8	2,933.88	3/8	3,069.85	3/8	3,205.83	3/8	3,341.57	3/8	3,464.69	3/8		3/8		3/8		3/8	
1/2	2,800.21	1/2	2,936.71	1/2	3,072.68	1/2	3,208.66	1/2	3,344.38	1/2	3,466.31	1/2		1/2		1/2		1/2	
5/8	2,803.06	5/8	2,939.54	5/8	3,075.52	5/8	3,211.49	5/8	3,347.19	5/8	3,467.93	5/8		5/8		5/8		5/8	
3/4	2,805.91	3/4	2,942.37	3/4	3,078.35	3/4	3,214.32	3/4	3,350.00	3/4	3,469.55	3/4		3/4		3/4		3/4	
7/8	2,808.76	7/8	2,945.21	7/8	3,081.18	7/8	3,217.16	7/8	3,352.82	7/8	3,471.17	7/8		7/8		7/8		7/8	
3	2,811.62	9	2,948.04	3	3,084.01	9	3,219.99	3	3,355.63	9	3,472.78	3		9		3		9	
1/8	2,814.47	1/8	2,950.87	1/8	3,086.85	1/8	3,222.82	1/8	3,358.44	1/8	3,473.93	1/8		1/8		1/8		1/8	
1/4	2,817.32	1/4	2,953.71	1/4	3,089.68	1/4	3,225.65	1/4	3,361.25	1/4	3,475.07	1/4		1/4		1/4		1/4	
3/8	2,820.17	3/8	2,956.54	3/8	3,092.51	3/8	3,228.49	3/8	3,364.06	3/8		3/8		3/8		3/8		3/8	
1/2	2,823.03	1/2	2,959.37	1/2	3,095.35	1/2	3,231.32	1/2	3,366.87	1/2		1/2		1/2		1/2		1/2	
5/8	2,825.88	5/8	2,962.20	5/8	3,098.18	5/8	3,234.15	5/8	3,369.68	5/8		5/8		5/8		5/8		5/8	
3/4	2,828.73	3/4	2,965.04	3/4	3,101.01	3/4	3,236.99	3/4	3,372.49	3/4		3/4		3/4		3/4		3/4	
7/8	2,831.58	7/8	2,967.87	7/8	3,103.84	7/8	3,239.82	7/8	3,375.30	7/8		7/8		7/8		7/8		7/8	
4	2,834.43	10	2,970.70	4	3,106.68	10	3,242.65	4	3,378.12	10		4		10		4		10	
1/8	2,837.29	1/8	2,973.54	1/8	3,109.51	1/8	3,245.48	1/8	3,380.92	1/8		1/8		1/8		1/8		1/8	
1/4	2,840.14	1/4	2,976.37	1/4	3,112.34	1/4	3,248.32	1/4	3,383.73	1/4		1/4		1/4		1/4		1/4	
3/8	2,842.99	3/8	2,979.20	3/8	3,115.18	3/8	3,251.15	3/8	3,386.54	3/8		3/8		3/8		3/8		3/8	
1/2	2,845.84	1/2	2,982.03	1/2	3,118.01	1/2	3,253.98	1/2	3,389.34	1/2		1/2		1/2		1/2		1/2	
5/8	2,848.70	5/8	2,984.87	5/8	3,120.84	5/8	3,256.82	5/8	3,392.15	5/8		5/8		5/8		5/8		5/8	
3/4	2,851.55	3/4	2,987.70	3/4	3,123.67	3/4	3,259.65	3/4	3,394.96	3/4		3/4		3/4		3/4		3/4	
7/8	2,854.40	7/8	2,990.53	7/8	3,126.51	7/8	3,262.48	7/8	3,397.77	7/8		7/8		7/8		7/8		7/8	
5	2,857.25	11	2,993.37	5	3,129.34	11	3,265.31	5	3,400.57	11		5		11		5		11	
1/8	2,860.10	1/8	2,996.20	1/8	3,132.17	1/8	3,268.15	1/8	3,403.35	1/8		1/8		1/8		1/8		1/8	
1/4	2,862.94	1/4	2,999.03	1/4	3,135.01	1/4	3,270.98	1/4	3,406.12	1/4		1/4		1/4		1/4		1/4	
3/8	2,865.79	3/8	3,001.86	3/8	3,137.84	3/8	3,273.81	3/8	3,408.89	3/8		3/8		3/8		3/8		3/8	
1/2	2,868.64	1/2	3,004.70	1/2	3,140.67	1/2	3,276.65	1/2	3,411.67	1/2		1/2		1/2		1/2		1/2	
5/8	2,871.48	5/8	3,007.53	5/8	3,143.50	5/8	3,279.48	5/8	3,414.44	5/8		5/8		5/8		5/8		5/8	
3/4	2,874.33	3/4	3,010.36	3/4	3,146.34	3/4	3,282.31	3/4	3,417.22	3/4		3/4		3/4		3/4		3/4	
7/8	2,877.18	7/8	3,013.19	7/8	3,149.17	7/8	3,285.14	7/8	3,419.99	7/8		7/8		7/8		7/8		7/8	

STRAPPED: 09/10/2009 CL - SW  
 RECALCULATED: 12/04/2009 CL  
 REPRINTED: 12/04/2009 SW

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 09/2009

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 27773"

## 5 STBD INNAGE TABLE

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

GAUGE HEIGHT 15'-09 3/4"

IN	0 FT.	IN	0 FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0	19.02	6	148.84	0	285.35	6	421.55	0	558.64	6	695.88	0	833.11	6	970.34	0	1,107.57	6	1,244.80
1/8	21.17	1/8	151.70	1/8	288.19	1/8	424.40	1/8	561.50	1/8	698.74	1/8	835.97	1/8	973.20	1/8	1,110.43	1/8	1,247.66
1/4	23.32	1/4	154.56	1/4	291.03	1/4	427.24	1/4	564.36	1/4	701.59	1/4	838.83	1/4	976.06	1/4	1,113.29	1/4	1,250.52
3/8	25.47	3/8	157.42	3/8	293.86	3/8	430.09	3/8	567.22	3/8	704.45	3/8	841.69	3/8	978.92	3/8	1,116.15	3/8	1,253.38
1/2	27.62	1/2	160.28	1/2	296.70	1/2	432.94	1/2	570.08	1/2	707.31	1/2	844.54	1/2	981.78	1/2	1,119.01	1/2	1,256.24
5/8	29.77	5/8	163.14	5/8	299.54	5/8	435.78	5/8	572.94	5/8	710.17	5/8	847.40	5/8	984.64	5/8	1,121.87	5/8	1,259.10
3/4	31.91	3/4	165.99	3/4	302.37	3/4	438.63	3/4	575.80	3/4	713.03	3/4	850.26	3/4	987.49	3/4	1,124.73	3/4	1,261.96
7/8	34.06	7/8	168.85	7/8	305.21	7/8	441.47	7/8	578.66	7/8	715.89	7/8	853.12	7/8	990.35	7/8	1,127.59	7/8	1,264.82
1	36.21	7	171.71	1	308.05	7	444.32	1	581.52	7	718.75	1	855.98	7	993.21	1	1,130.44	7	1,267.68
1/8	38.88	1/8	174.56	1/8	310.88	1/8	447.17	1/8	584.38	1/8	721.61	1/8	858.84	1/8	996.07	1/8	1,133.30	1/8	1,270.54
1/4	41.55	1/4	177.41	1/4	313.72	1/4	450.03	1/4	587.23	1/4	724.47	1/4	861.70	1/4	998.93	1/4	1,136.16	1/4	1,273.39
3/8	44.22	3/8	180.26	3/8	316.55	3/8	452.88	3/8	590.09	3/8	727.33	3/8	864.56	3/8	1,001.79	3/8	1,139.02	3/8	1,276.25
1/2	46.89	1/2	183.11	1/2	319.39	1/2	455.74	1/2	592.95	1/2	730.18	1/2	867.42	1/2	1,004.65	1/2	1,141.88	1/2	1,279.11
5/8	49.55	5/8	185.96	5/8	322.23	5/8	458.59	5/8	595.81	5/8	733.04	5/8	870.28	5/8	1,007.51	5/8	1,144.74	5/8	1,281.97
3/4	52.22	3/4	188.81	3/4	325.06	3/4	461.45	3/4	598.67	3/4	735.90	3/4	873.13	3/4	1,010.37	3/4	1,147.60	3/4	1,284.83
7/8	54.89	7/8	191.66	7/8	327.90	7/8	464.30	7/8	601.53	7/8	738.76	7/8	875.99	7/8	1,013.23	7/8	1,150.46	7/8	1,287.69
2	57.56	8	194.51	2	330.74	8	467.16	2	604.39	8	741.62	2	878.85	8	1,016.08	2	1,153.32	8	1,290.55
1/8	60.40	1/8	197.35	1/8	333.57	1/8	470.02	1/8	607.25	1/8	744.48	1/8	881.71	1/8	1,018.94	1/8	1,156.18	1/8	1,293.41
1/4	63.24	1/4	200.19	1/4	336.41	1/4	472.87	1/4	610.11	1/4	747.34	1/4	884.57	1/4	1,021.80	1/4	1,159.03	1/4	1,296.27
3/8	66.07	3/8	203.04	3/8	339.25	3/8	475.73	3/8	612.97	3/8	750.20	3/8	887.43	3/8	1,024.66	3/8	1,161.89	3/8	1,299.13
1/2	68.91	1/2	205.88	1/2	342.08	1/2	478.59	1/2	615.82	1/2	753.06	1/2	890.29	1/2	1,027.52	1/2	1,164.75	1/2	1,301.98
5/8	71.75	5/8	208.72	5/8	344.92	5/8	481.45	5/8	618.68	5/8	755.92	5/8	893.15	5/8	1,030.38	5/8	1,167.61	5/8	1,304.84
3/4	74.59	3/4	211.57	3/4	347.76	3/4	484.31	3/4	621.54	3/4	758.77	3/4	896.01	3/4	1,033.24	3/4	1,170.47	3/4	1,307.70
7/8	77.43	7/8	214.41	7/8	350.59	7/8	487.17	7/8	624.40	7/8	761.63	7/8	898.87	7/8	1,036.10	7/8	1,173.33	7/8	1,310.56
3	80.27	9	217.25	3	353.43	9	490.03	3	627.26	9	764.49	3	901.72	9	1,038.96	3	1,176.19	9	1,313.42
1/8	83.12	1/8	220.09	1/8	356.27	1/8	492.89	1/8	630.12	1/8	767.35	1/8	904.58	1/8	1,041.82	1/8	1,179.05	1/8	1,316.28
1/4	85.97	1/4	222.93	1/4	359.10	1/4	495.75	1/4	632.98	1/4	770.21	1/4	907.44	1/4	1,044.67	1/4	1,181.91	1/4	1,319.14
3/8	88.82	3/8	225.77	3/8	361.94	3/8	498.61	3/8	635.84	3/8	773.07	3/8	910.30	3/8	1,047.53	3/8	1,184.77	3/8	1,322.00
1/2	91.67	1/2	228.61	1/2	364.78	1/2	501.46	1/2	638.70	1/2	775.93	1/2	913.16	1/2	1,050.39	1/2	1,187.62	1/2	1,324.86
5/8	94.52	5/8	231.45	5/8	367.61	5/8	504.32	5/8	641.56	5/8	778.79	5/8	916.02	5/8	1,053.25	5/8	1,190.48	5/8	1,327.72
3/4	97.37	3/4	234.29	3/4	370.45	3/4	507.18	3/4	644.41	3/4	781.65	3/4	918.88	3/4	1,056.11	3/4	1,193.34	3/4	1,330.57
7/8	100.22	7/8	237.13	7/8	373.29	7/8	510.04	7/8	647.27	7/8	784.51	7/8	921.74	7/8	1,058.97	7/8	1,196.20	7/8	1,333.43
4	103.07	10	239.97	4	376.12	10	512.90	4	650.13	10	787.36	4	924.60	10	1,061.83	4	1,199.06	10	1,336.29
1/8	105.93	1/8	242.80	1/8	378.96	1/8	515.76	1/8	652.99	1/8	790.22	1/8	927.46	1/8	1,064.69	1/8	1,201.92	1/8	1,339.15
1/4	108.79	1/4	245.64	1/4	381.80	1/4	518.62	1/4	655.85	1/4	793.08	1/4	930.31	1/4	1,067.55	1/4	1,204.78	1/4	1,342.01
3/8	111.65	3/8	248.48	3/8	384.64	3/8	521.48	3/8	658.71	3/8	795.94	3/8	933.17	3/8	1,070.41	3/8	1,207.64	3/8	1,344.87
1/2	114.51	1/2	251.31	1/2	387.48	1/2	524.34	1/2	661.57	1/2	798.80	1/2	936.03	1/2	1,073.26	1/2	1,210.50	1/2	1,347.73
5/8	117.36	5/8	254.15	5/8	390.31	5/8	527.20	5/8	664.43	5/8	801.66	5/8	938.89	5/8	1,076.12	5/8	1,213.36	5/8	1,350.59
3/4	120.22	3/4	256.99	3/4	393.15	3/4	530.05	3/4	667.29	3/4	804.52	3/4	941.75	3/4	1,078.98	3/4	1,216.21	3/4	1,353.45
7/8	123.08	7/8	259.82	7/8	395.99	7/8	532.91	7/8	670.15	7/8	807.38	7/8	944.61	7/8	1,081.84	7/8	1,219.07	7/8	1,356.31
5	125.94	11	262.66	5	398.83	11	535.77	5	673.00	11	810.24	5	947.47	11	1,084.70	5	1,221.93	11	1,359.16
1/8	128.80	1/8	265.50	1/8	401.67	1/8	538.63	1/8	675.86	1/8	813.10	1/8	950.33	1/8	1,087.56	1/8	1,224.79	1/8	1,362.02
1/4	131.67	1/4	268.33	1/4	404.51	1/4	541.49	1/4	678.72	1/4	815.95	1/4	953.19	1/4	1,090.42	1/4	1,227.65	1/4	1,364.88
3/8	134.53	3/8	271.17	3/8	407.35	3/8	544.35	3/8	681.58	3/8	818.81	3/8	956.05	3/8	1,093.28	3/8	1,230.51	3/8	1,367.74
1/2	137.39	1/2	274.01	1/2	410.19	1/2	547.21	1/2	684.44	1/2	821.67	1/2	958.90	1/2	1,096.14	1/2	1,233.37	1/2	1,370.60
5/8	140.25	5/8	276.84	5/8	413.03	5/8	550.07	5/8	687.30	5/8	824.53	5/8	961.76	5/8	1,099.00	5/8	1,236.23	5/8	1,373.46
3/4	143.12	3/4	279.68	3/4	415.87	3/4	552.93	3/4	690.16	3/4	827.39	3/4	964.62	3/4	1,101.85	3/4	1,239.09	3/4	1,376.32
7/8	145.98	7/8	282.52	7/8	418.71	7/8	555.79	7/8	693.02	7/8	830.25	7/8	967.48	7/8	1,104.71	7/8	1,241.95	7/8	1,379.18

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 AT 2" DIAMETER STANDPIPE

GAUGE POINT: (MANUAL) LOCATED 10'-10" OFF CENTERLINE AND 32'-00" 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 27773"

## 5 STBD INNAGE TABLE

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

GAUGE HEIGHT 15'-09 3/4"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	1,382.04	6	1,519.15	0	1,656.05	6	1,793.09	0	1,930.40	6	2,067.69	0	2,204.97	6	2,342.25	0	2,479.52	6	2,616.80
1/8	1,384.90	1/8	1,522.00	1/8	1,658.90	1/8	1,795.95	1/8	1,933.26	1/8	2,070.55	1/8	2,207.83	1/8	2,345.10	1/8	2,482.38	1/8	2,619.66
1/4	1,387.75	1/4	1,524.85	1/4	1,661.75	1/4	1,798.81	1/4	1,936.12	1/4	2,073.41	1/4	2,210.69	1/4	2,347.96	1/4	2,485.24	1/4	2,622.52
3/8	1,390.61	3/8	1,527.71	3/8	1,664.61	3/8	1,801.67	3/8	1,938.98	3/8	2,076.27	3/8	2,213.55	3/8	2,350.82	3/8	2,488.10	3/8	2,625.38
1/2	1,393.47	1/2	1,530.56	1/2	1,667.46	1/2	1,804.53	1/2	1,941.84	1/2	2,079.13	1/2	2,216.41	1/2	2,353.68	1/2	2,490.96	1/2	2,628.24
5/8	1,396.33	5/8	1,533.41	5/8	1,670.31	5/8	1,807.39	5/8	1,944.70	5/8	2,081.99	5/8	2,219.27	5/8	2,356.54	5/8	2,493.82	5/8	2,631.09
3/4	1,399.19	3/4	1,536.26	3/4	1,673.16	3/4	1,810.25	3/4	1,947.56	3/4	2,084.85	3/4	2,222.13	3/4	2,359.40	3/4	2,496.68	3/4	2,633.95
7/8	1,402.05	7/8	1,539.11	7/8	1,676.01	7/8	1,813.11	7/8	1,950.42	7/8	2,087.71	7/8	2,224.99	7/8	2,362.26	7/8	2,499.54	7/8	2,636.81
1	1,404.91	7	1,541.97	1	1,678.87	7	1,815.97	1	1,953.28	7	2,090.57	1	2,227.85	7	2,365.12	1	2,502.40	7	2,639.67
1/8	1,407.77	1/8	1,544.82	1/8	1,681.72	1/8	1,818.83	1/8	1,956.14	1/8	2,093.43	1/8	2,230.71	1/8	2,367.98	1/8	2,505.26	1/8	2,642.53
1/4	1,410.63	1/4	1,547.67	1/4	1,684.57	1/4	1,821.70	1/4	1,959.00	1/4	2,096.29	1/4	2,233.57	1/4	2,370.84	1/4	2,508.12	1/4	2,645.39
3/8	1,413.49	3/8	1,550.52	3/8	1,687.42	3/8	1,824.56	3/8	1,961.86	3/8	2,099.15	3/8	2,236.43	3/8	2,373.70	3/8	2,510.98	3/8	2,648.25
1/2	1,416.34	1/2	1,553.37	1/2	1,690.28	1/2	1,827.42	1/2	1,964.73	1/2	2,102.01	1/2	2,239.29	1/2	2,376.56	1/2	2,513.84	1/2	2,651.11
5/8	1,419.20	5/8	1,556.23	5/8	1,693.13	5/8	1,830.28	5/8	1,967.59	5/8	2,104.87	5/8	2,242.15	5/8	2,379.42	5/8	2,516.70	5/8	2,653.97
3/4	1,422.06	3/4	1,559.08	3/4	1,695.98	3/4	1,833.14	3/4	1,970.45	3/4	2,107.73	3/4	2,245.01	3/4	2,382.28	3/4	2,519.56	3/4	2,656.83
7/8	1,424.92	7/8	1,561.93	7/8	1,698.83	7/8	1,836.00	7/8	1,973.31	7/8	2,110.59	7/8	2,247.87	7/8	2,385.14	7/8	2,522.42	7/8	2,659.69
2	1,427.78	8	1,564.78	2	1,701.68	8	1,838.86	2	1,976.17	8	2,113.45	2	2,250.73	8	2,388.00	2	2,525.28	8	2,662.55
1/8	1,430.64	1/8	1,567.63	1/8	1,704.54	1/8	1,841.72	1/8	1,979.03	1/8	2,116.31	1/8	2,253.59	1/8	2,390.86	1/8	2,528.14	1/8	2,665.41
1/4	1,433.50	1/4	1,570.49	1/4	1,707.39	1/4	1,844.58	1/4	1,981.89	1/4	2,119.17	1/4	2,256.45	1/4	2,393.72	1/4	2,531.00	1/4	2,668.27
3/8	1,436.36	3/8	1,573.34	3/8	1,710.24	3/8	1,847.44	3/8	1,984.75	3/8	2,122.03	3/8	2,259.31	3/8	2,396.58	3/8	2,533.86	3/8	2,671.13
1/2	1,439.22	1/2	1,576.19	1/2	1,713.09	1/2	1,850.30	1/2	1,987.61	1/2	2,124.89	1/2	2,262.17	1/2	2,399.44	1/2	2,536.72	1/2	2,673.99
5/8	1,442.08	5/8	1,579.04	5/8	1,715.94	5/8	1,853.16	5/8	1,990.47	5/8	2,127.75	5/8	2,265.03	5/8	2,402.30	5/8	2,539.58	5/8	2,676.85
3/4	1,444.93	3/4	1,581.90	3/4	1,718.80	3/4	1,856.02	3/4	1,993.33	3/4	2,130.61	3/4	2,267.89	3/4	2,405.16	3/4	2,542.44	3/4	2,679.71
7/8	1,447.79	7/8	1,584.75	7/8	1,721.65	7/8	1,858.88	7/8	1,996.19	7/8	2,133.47	7/8	2,270.75	7/8	2,408.02	7/8	2,545.30	7/8	2,682.57
3	1,450.65	9	1,587.60	3	1,724.50	9	1,861.74	3	1,999.05	9	2,136.33	3	2,273.61	9	2,410.88	3	2,548.16	9	2,685.43
1/8	1,453.51	1/8	1,590.45	1/8	1,727.35	1/8	1,864.60	1/8	2,001.91	1/8	2,139.19	1/8	2,276.47	1/8	2,413.74	1/8	2,551.02	1/8	2,688.29
1/4	1,456.36	1/4	1,593.30	1/4	1,730.21	1/4	1,867.46	1/4	2,004.77	1/4	2,142.05	1/4	2,279.33	1/4	2,416.60	1/4	2,553.88	1/4	2,691.15
3/8	1,459.22	3/8	1,596.16	3/8	1,733.06	3/8	1,870.33	3/8	2,007.63	3/8	2,144.91	3/8	2,282.19	3/8	2,419.46	3/8	2,556.74	3/8	2,694.01
1/2	1,462.08	1/2	1,599.01	1/2	1,735.92	1/2	1,873.19	1/2	2,010.49	1/2	2,147.77	1/2	2,285.05	1/2	2,422.32	1/2	2,559.60	1/2	2,696.87
5/8	1,464.93	5/8	1,601.86	5/8	1,738.77	5/8	1,876.05	5/8	2,013.35	5/8	2,150.63	5/8	2,287.91	5/8	2,425.18	5/8	2,562.46	5/8	2,699.73
3/4	1,467.79	3/4	1,604.71	3/4	1,741.63	3/4	1,878.91	3/4	2,016.22	3/4	2,153.49	3/4	2,290.77	3/4	2,428.04	3/4	2,565.32	3/4	2,702.59
7/8	1,470.65	7/8	1,607.56	7/8	1,744.48	7/8	1,881.77	7/8	2,019.08	7/8	2,156.35	7/8	2,293.63	7/8	2,430.90	7/8	2,568.18	7/8	2,705.45
4	1,473.50	10	1,610.42	4	1,747.34	10	1,884.63	4	2,021.94	10	2,159.21	4	2,296.49	10	2,433.76	4	2,571.04	10	2,708.31
1/8	1,476.36	1/8	1,613.27	1/8	1,750.19	1/8	1,887.49	1/8	2,024.80	1/8	2,162.07	1/8	2,299.35	1/8	2,436.62	1/8	2,573.90	1/8	2,711.17
1/4	1,479.21	1/4	1,616.12	1/4	1,753.05	1/4	1,890.35	1/4	2,027.66	1/4	2,164.93	1/4	2,302.21	1/4	2,439.48	1/4	2,576.76	1/4	2,714.03
3/8	1,482.06	3/8	1,618.97	3/8	1,755.91	3/8	1,893.21	3/8	2,030.52	3/8	2,167.79	3/8	2,305.07	3/8	2,442.34	3/8	2,579.62	3/8	2,716.89
1/2	1,484.92	1/2	1,621.82	1/2	1,758.77	1/2	1,896.07	1/2	2,033.38	1/2	2,170.65	1/2	2,307.93	1/2	2,445.20	1/2	2,582.48	1/2	2,719.75
5/8	1,487.77	5/8	1,624.68	5/8	1,761.63	5/8	1,898.93	5/8	2,036.24	5/8	2,173.51	5/8	2,310.79	5/8	2,448.06	5/8	2,585.34	5/8	2,722.61
3/4	1,490.62	3/4	1,627.53	3/4	1,764.49	3/4	1,901.79	3/4	2,039.10	3/4	2,176.37	3/4	2,313.65	3/4	2,450.92	3/4	2,588.20	3/4	2,725.47
7/8	1,493.48	7/8	1,630.38	7/8	1,767.35	7/8	1,904.65	7/8	2,041.96	7/8	2,179.23	7/8	2,316.51	7/8	2,453.78	7/8	2,591.06	7/8	2,728.33
5	1,496.33	11	1,633.23	5	1,770.20	11	1,907.51	5	2,044.82	11	2,182.09	5	2,319.37	11	2,456.64	5	2,593.92	11	2,731.19
1/8	1,499.18	1/8	1,636.09	1/8	1,773.06	1/8	1,910.37	1/8	2,047.68	1/8	2,184.95	1/8	2,322.23	1/8	2,459.50	1/8	2,596.78	1/8	2,734.05
1/4	1,502.04	1/4	1,638.94	1/4	1,775.93	1/4	1,913.23	1/4	2,050.54	1/4	2,187.81	1/4	2,325.09	1/4	2,462.36	1/4	2,599.64	1/4	2,736.91
3/8	1,504.89	3/8	1,641.79	3/8	1,778.79	3/8	1,916.09	3/8	2,053.40	3/8	2,190.67	3/8	2,327.95	3/8	2,465.22	3/8	2,602.50	3/8	2,739.77
1/2	1,507.74	1/2	1,644.64	1/2	1,781.65	1/2	1,918.96	1/2	2,056.26	1/2	2,193.53	1/2	2,330.81	1/2	2,468.08	1/2	2,605.36	1/2	2,742.63
5/8	1,510.59	5/8	1,647.49	5/8	1,784.51	5/8	1,921.82	5/8	2,059.12	5/8	2,196.39	5/8	2,333.67	5/8	2,470.94	5/8	2,608.22	5/8	2,745.48
3/4	1,513.44	3/4	1,650.35	3/4	1,787.37	3/4	1,924.68	3/4	2,061.97	3/4	2,199.25	3/4	2,336.53	3/4	2,473.80	3/4	2,611.08	3/4	2,748.34
7/8	1,516.30	7/8	1,653.20	7/8	1,790.23	7/8	1,927.54	7/8	2,064.83	7/8	2,202.11	7/8	2,339.39	7/8	2,476.66	7/8	2,613.94	7/8	2,751.20

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P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "KIRBY 27773"

## 5 STBD INNAGE TABLE

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

GAUGE HEIGHT 15'-09 3/4"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	2,754.06	6	2,891.06	0	3,027.17	6	3,163.24	0	3,299.32	6	3,434.21	0		6		0		6	
1/8	2,756.92	1/8	2,893.90	1/8	3,030.00	1/8	3,166.08	1/8	3,302.15	1/8	3,436.75	1/8		1/8		1/8		1/8	
1/4	2,759.78	1/4	2,896.74	1/4	3,032.84	1/4	3,168.91	1/4	3,304.98	1/4	3,439.29	1/4		1/4		1/4		1/4	
3/8	2,762.63	3/8	2,899.58	3/8	3,035.67	3/8	3,171.75	3/8	3,307.80	3/8	3,441.83	3/8		3/8		3/8		3/8	
1/2	2,765.49	1/2	2,902.42	1/2	3,038.51	1/2	3,174.58	1/2	3,310.63	1/2	3,444.37	1/2		1/2		1/2		1/2	
5/8	2,768.35	5/8	2,905.26	5/8	3,041.34	5/8	3,177.42	5/8	3,313.46	5/8	3,446.91	5/8		5/8		5/8		5/8	
3/4	2,771.21	3/4	2,908.09	3/4	3,044.18	3/4	3,180.25	3/4	3,316.29	3/4	3,449.45	3/4		3/4		3/4		3/4	
7/8	2,774.07	7/8	2,910.93	7/8	3,047.01	7/8	3,183.09	7/8	3,319.12	7/8	3,451.99	7/8		7/8		7/8		7/8	
1	2,776.93	7	2,913.77	1	3,049.85	7	3,185.92	1	3,321.95	7	3,454.53	1		7		1		7	
1/8	2,779.78	1/8	2,916.61	1/8	3,052.68	1/8	3,188.76	1/8	3,324.77	1/8	3,456.63	1/8		1/8		1/8		1/8	
1/4	2,782.64	1/4	2,919.44	1/4	3,055.52	1/4	3,191.59	1/4	3,327.59	1/4	3,458.73	1/4		1/4		1/4		1/4	
3/8	2,785.49	3/8	2,922.28	3/8	3,058.35	3/8	3,194.43	3/8	3,330.40	3/8	3,460.83	3/8		3/8		3/8		3/8	
1/2	2,788.35	1/2	2,925.11	1/2	3,061.19	1/2	3,197.26	1/2	3,333.22	1/2	3,462.92	1/2		1/2		1/2		1/2	
5/8	2,791.21	5/8	2,927.95	5/8	3,064.02	5/8	3,200.10	5/8	3,336.04	5/8	3,465.02	5/8		5/8		5/8		5/8	
3/4	2,794.06	3/4	2,930.78	3/4	3,066.86	3/4	3,202.93	3/4	3,338.86	3/4	3,467.12	3/4		3/4		3/4		3/4	
7/8	2,796.92	7/8	2,933.62	7/8	3,069.69	7/8	3,205.77	7/8	3,341.68	7/8	3,469.22	7/8		7/8		7/8		7/8	
2	2,799.77	8	2,936.45	2	3,072.53	8	3,208.60	2	3,344.50	8	3,471.31	2		8		2		8	
1/8	2,802.63	1/8	2,939.29	1/8	3,075.36	1/8	3,211.44	1/8	3,347.32	1/8	3,472.93	1/8		1/8		1/8		1/8	
1/4	2,805.48	1/4	2,942.12	1/4	3,078.20	1/4	3,214.27	1/4	3,350.13	1/4	3,474.55	1/4		1/4		1/4		1/4	
3/8	2,808.34	3/8	2,944.96	3/8	3,081.03	3/8	3,217.11	3/8	3,352.94	3/8	3,476.17	3/8		3/8		3/8		3/8	
1/2	2,811.19	1/2	2,947.79	1/2	3,083.87	1/2	3,219.94	1/2	3,355.76	1/2	3,477.79	1/2		1/2		1/2		1/2	
5/8	2,814.04	5/8	2,950.63	5/8	3,086.70	5/8	3,222.78	5/8	3,358.57	5/8	3,479.41	5/8		5/8		5/8		5/8	
3/4	2,816.90	3/4	2,953.46	3/4	3,089.54	3/4	3,225.61	3/4	3,361.39	3/4	3,481.03	3/4		3/4		3/4		3/4	
7/8	2,819.75	7/8	2,956.29	7/8	3,092.37	7/8	3,228.45	7/8	3,364.20	7/8	3,482.65	7/8		7/8		7/8		7/8	
3	2,822.61	9	2,959.13	3	3,095.21	9	3,231.28	3	3,367.01	9	3,484.27	3		9		3		9	
1/8	2,825.46	1/8	2,961.96	1/8	3,098.04	1/8	3,234.12	1/8	3,369.83	1/8	3,485.42	1/8		1/8		1/8		1/8	
1/4	2,828.32	1/4	2,964.80	1/4	3,100.87	1/4	3,236.95	1/4	3,372.64	1/4	3,486.56	1/4		1/4		1/4		1/4	
3/8	2,831.17	3/8	2,967.63	3/8	3,103.71	3/8	3,239.78	3/8	3,375.46	3/8		3/8		3/8		3/8		3/8	
1/2	2,834.02	1/2	2,970.47	1/2	3,106.54	1/2	3,242.62	1/2	3,378.27	1/2		1/2		1/2		1/2		1/2	
5/8	2,836.88	5/8	2,973.30	5/8	3,109.38	5/8	3,245.45	5/8	3,381.08	5/8		5/8		5/8		5/8		5/8	
3/4	2,839.73	3/4	2,976.14	3/4	3,112.21	3/4	3,248.29	3/4	3,383.90	3/4		3/4		3/4		3/4		3/4	
7/8	2,842.59	7/8	2,978.97	7/8	3,115.05	7/8	3,251.12	7/8	3,386.71	7/8		7/8		7/8		7/8		7/8	
4	2,845.44	10	2,981.81	4	3,117.88	10	3,253.96	4	3,389.52	10		4		10		4		10	
1/8	2,848.30	1/8	2,984.64	1/8	3,120.72	1/8	3,256.79	1/8	3,392.33	1/8		1/8		1/8		1/8		1/8	
1/4	2,851.15	1/4	2,987.48	1/4	3,123.55	1/4	3,259.63	1/4	3,395.14	1/4		1/4		1/4		1/4		1/4	
3/8	2,854.00	3/8	2,990.31	3/8	3,126.39	3/8	3,262.46	3/8	3,397.95	3/8		3/8		3/8		3/8		3/8	
1/2	2,856.86	1/2	2,993.15	1/2	3,129.22	1/2	3,265.30	1/2	3,400.76	1/2		1/2		1/2		1/2		1/2	
5/8	2,859.71	5/8	2,995.98	5/8	3,132.06	5/8	3,268.13	5/8	3,403.57	5/8		5/8		5/8		5/8		5/8	
3/4	2,862.57	3/4	2,998.82	3/4	3,134.89	3/4	3,270.97	3/4	3,406.38	3/4		3/4		3/4		3/4		3/4	
7/8	2,865.42	7/8	3,001.65	7/8	3,137.73	7/8	3,273.80	7/8	3,409.19	7/8		7/8		7/8		7/8		7/8	
5	2,868.28	11	3,004.49	5	3,140.56	11	3,276.64	5	3,412.00	11		5		11		5		11	
1/8	2,871.12	1/8	3,007.32	1/8	3,143.40	1/8	3,279.47	1/8	3,414.78	1/8		1/8		1/8		1/8		1/8	
1/4	2,873.97	1/4	3,010.16	1/4	3,146.23	1/4	3,282.31	1/4	3,417.55	1/4		1/4		1/4		1/4		1/4	
3/8	2,876.82	3/8	3,012.99	3/8	3,149.07	3/8	3,285.14	3/8	3,420.33	3/8		3/8		3/8		3/8		3/8	
1/2	2,879.67	1/2	3,015.83	1/2	3,151.90	1/2	3,287.98	1/2	3,423.11	1/2		1/2		1/2		1/2		1/2	
5/8	2,882.52	5/8	3,018.66	5/8	3,154.74	5/8	3,290.81	5/8	3,425.88	5/8		5/8		5/8		5/8		5/8	
3/4	2,885.37	3/4	3,021.50	3/4	3,157.57	3/4	3,293.65	3/4	3,428.66	3/4		3/4		3/4		3/4		3/4	
7/8	2,888.21	7/8	3,024.33	7/8	3,160.41	7/8	3,296.48	7/8	3,431.43	7/8		7/8		7/8		7/8		7/8	

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CANCELS AND SUPERCEDES  
 ALL PRIOR TO 09/2009

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