



BARGE "KIRBY 28713"

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	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4
1 STBD	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4
2 PORT	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4
2 STBD	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8
3 PORT ABOVE 9'-06"	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-3/8	- 02-3/8	03-0/8	- 03-0/8	03-1/2	- 03-1/2
3 PORT BELOW 9'-06"	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 01-0/8	01-0/8	- 01-3/8	01-3/8	- 01-3/4	01-3/4	- 02-0/8	02-0/8
3 STBD ABOVE 9'-06"	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-3/8	- 02-3/8	03-0/8	- 03-0/8	03-1/2	- 03-1/2
3 STBD BELOW 9'-06"	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 01-0/8	01-0/8	- 01-3/8	01-3/8	- 01-5/8	01-5/8	- 02-0/8	02-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 257'-03"

October 24, 2022

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

<http://www.pmacorp.net>



BARGE "KIRBY 28713"

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	01-1/2	- 01-1/2	01-5/8	- 01-5/8	01-7/8	- 01-7/8	02-0/8	- 02-0/8	02-1/4	- 02-1/4	02-1/2	- 02-1/2
1 STBD	01-3/8	- 01-3/8	01-5/8	- 01-5/8	01-7/8	- 01-7/8	02-0/8	- 02-0/8	02-1/4	- 02-1/4	02-3/8	- 02-3/8
2 PORT	01-3/8	- 01-3/8	01-5/8	- 01-5/8	01-3/4	- 01-3/4	02-0/8	- 02-0/8	02-1/4	- 02-1/4	02-3/8	- 02-3/8
2 STBD	01-3/8	- 01-3/8	01-5/8	- 01-5/8	01-3/4	- 01-3/4	02-0/8	- 02-0/8	02-1/8	- 02-1/8	02-3/8	- 02-3/8
3 PORT ABOVE 10'	04-1/8	- 04-1/8	04-3/4	- 04-3/4	05-1/4	- 05-1/4	05-7/8	- 05-7/8	06-1/2	- 06-1/2	07-1/8	- 07-1/8
3 PORT BELOW 10'	- 02-3/8	02-3/8	- 02-3/4	02-3/4	- 03-0/8	03-0/8	- 03-3/8	03-3/8	- 03-3/4	03-3/4	- 04-0/8	04-0/8
3 STBD ABOVE 10'	04-1/8	- 04-1/8	04-3/4	- 04-3/4	05-1/4	- 05-1/4	05-7/8	- 05-7/8	06-1/2	- 06-1/2	07-1/8	- 07-1/8
3 STBD BELOW 10'	- 02-3/8	02-3/8	- 02-5/8	02-5/8	- 03-0/8	03-0/8	- 03-3/8	03-3/8	- 03-3/4	03-3/4	- 04-0/8	04-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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LENGTH BETWEEN DRAFT MARKS: 257'-03"

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BARGE "KIRBY 28713"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	12.60	0	333.47	0	657.00	0	987.10	0	1,318.21	0	1,649.00	0	1,982.06	0	2,315.21	0	2,648.35	0	2,981.49
1/4	17.23	1/4	340.41	1/4	663.94	1/4	993.92	1/4	1,325.02	1/4	1,655.95	1/4	1,989.00	1/4	2,322.15	1/4	2,655.29	1/4	2,988.43
1/2	21.85	1/2	347.36	1/2	670.88	1/2	1,000.75	1/2	1,331.83	1/2	1,662.89	1/2	1,995.93	1/2	2,329.10	1/2	2,662.23	1/2	2,995.37
3/4	26.47	3/4	354.30	3/4	677.83	3/4	1,007.57	3/4	1,338.64	3/4	1,669.83	3/4	2,002.87	3/4	2,336.04	3/4	2,669.17	3/4	3,002.31
1	31.10	1	361.24	1	684.77	1	1,014.39	1	1,345.45	1	1,676.77	1	2,009.80	1	2,342.98	1	2,676.12	1	3,009.25
1/4	37.41	1/4	368.18	1/4	691.72	1/4	1,021.23	1/4	1,352.25	1/4	1,683.71	1/4	2,016.74	1/4	2,349.92	1/4	2,683.06	1/4	3,016.19
1/2	43.73	1/2	375.12	1/2	698.66	1/2	1,028.07	1/2	1,359.06	1/2	1,690.65	1/2	2,023.68	1/2	2,356.86	1/2	2,690.00	1/2	3,023.14
3/4	50.05	3/4	382.06	3/4	705.60	3/4	1,034.91	3/4	1,365.87	3/4	1,697.59	3/4	2,030.61	3/4	2,363.80	3/4	2,696.94	3/4	3,030.08
2	56.36	2	389.01	2	712.55	2	1,041.75	2	1,372.67	2	1,704.53	2	2,037.55	2	2,370.74	2	2,703.88	2	3,037.02
1/4	63.24	1/4	395.95	1/4	719.49	1/4	1,048.64	1/4	1,379.48	1/4	1,711.47	1/4	2,044.49	1/4	2,377.68	1/4	2,710.82	1/4	3,043.96
1/2	70.11	1/2	402.89	1/2	726.43	1/2	1,055.52	1/2	1,386.29	1/2	1,718.41	1/2	2,051.43	1/2	2,384.62	1/2	2,717.76	1/2	3,050.90
3/4	76.98	3/4	409.83	3/4	733.38	3/4	1,062.41	3/4	1,393.10	3/4	1,725.36	3/4	2,058.37	3/4	2,391.56	3/4	2,724.70	3/4	3,057.84
3	83.85	3	416.77	3	740.32	3	1,069.29	3	1,399.91	3	1,732.30	3	2,065.31	3	2,398.50	3	2,731.64	3	3,064.78
1/4	90.76	1/4	423.47	1/4	747.27	1/4	1,076.20	1/4	1,406.72	1/4	1,739.24	1/4	2,072.25	1/4	2,405.44	1/4	2,738.58	1/4	3,071.72
1/2	97.66	1/2	430.17	1/2	754.21	1/2	1,083.10	1/2	1,413.53	1/2	1,746.18	1/2	2,079.20	1/2	2,412.38	1/2	2,745.52	1/2	3,078.66
3/4	104.56	3/4	436.87	3/4	761.15	3/4	1,090.01	3/4	1,420.34	3/4	1,753.12	3/4	2,086.14	3/4	2,419.32	3/4	2,752.46	3/4	3,085.60
4	111.47	4	443.57	4	768.10	4	1,096.91	4	1,427.15	4	1,760.06	4	2,093.08	4	2,426.26	4	2,759.40	4	3,092.54
1/4	118.39	1/4	450.03	1/4	775.02	1/4	1,103.84	1/4	1,434.03	1/4	1,767.00	1/4	2,100.02	1/4	2,433.20	1/4	2,766.34	1/4	3,099.48
1/2	125.31	1/2	456.49	1/2	781.94	1/2	1,110.76	1/2	1,440.90	1/2	1,773.94	1/2	2,106.97	1/2	2,440.14	1/2	2,773.28	1/2	3,106.42
3/4	132.23	3/4	462.95	3/4	788.87	3/4	1,117.69	3/4	1,447.78	3/4	1,780.88	3/4	2,113.91	3/4	2,447.08	3/4	2,780.22	3/4	3,113.36
5	139.15	5	469.40	5	795.79	5	1,124.61	5	1,454.66	5	1,787.82	5	2,120.85	5	2,454.02	5	2,787.16	5	3,120.30
1/4	146.09	1/4	475.86	1/4	802.68	1/4	1,131.55	1/4	1,461.60	1/4	1,794.76	1/4	2,127.79	1/4	2,460.96	1/4	2,794.10	1/4	3,127.24
1/2	153.02	1/2	482.32	1/2	809.56	1/2	1,138.49	1/2	1,468.54	1/2	1,801.70	1/2	2,134.74	1/2	2,467.90	1/2	2,801.04	1/2	3,134.18
3/4	159.95	3/4	488.78	3/4	816.44	3/4	1,145.44	3/4	1,475.48	3/4	1,808.65	3/4	2,141.68	3/4	2,474.84	3/4	2,807.98	3/4	3,141.12
6	166.88	6	495.23	6	823.33	6	1,152.38	6	1,482.42	6	1,815.59	6	2,148.62	6	2,481.78	6	2,814.92	6	3,148.06
1/4	173.82	1/4	501.69	1/4	830.17	1/4	1,159.32	1/4	1,489.36	1/4	1,822.52	1/4	2,155.56	1/4	2,488.72	1/4	2,821.86	1/4	3,155.00
1/2	180.76	1/2	508.15	1/2	837.01	1/2	1,166.26	1/2	1,496.30	1/2	1,829.46	1/2	2,162.51	1/2	2,495.66	1/2	2,828.80	1/2	3,161.94
3/4	187.70	3/4	514.61	3/4	843.85	3/4	1,173.21	3/4	1,503.24	3/4	1,836.40	3/4	2,169.45	3/4	2,502.61	3/4	2,835.74	3/4	3,168.88
7	194.64	7	521.07	7	850.69	7	1,180.15	7	1,510.18	7	1,843.34	7	2,176.39	7	2,509.55	7	2,842.68	7	3,175.82
1/4	201.58	1/4	527.52	1/4	857.51	1/4	1,187.09	1/4	1,517.13	1/4	1,850.27	1/4	2,183.33	1/4	2,516.49	1/4	2,849.63	1/4	3,182.76
1/2	208.52	1/2	533.98	1/2	864.33	1/2	1,194.03	1/2	1,524.07	1/2	1,857.21	1/2	2,190.28	1/2	2,523.43	1/2	2,856.57	1/2	3,189.70
3/4	215.46	3/4	540.44	3/4	871.15	3/4	1,200.98	3/4	1,531.01	3/4	1,864.15	3/4	2,197.22	3/4	2,530.37	3/4	2,863.51	3/4	3,196.65
8	222.40	8	546.90	8	877.97	8	1,207.92	8	1,537.95	8	1,871.08	8	2,204.16	8	2,537.31	8	2,870.45	8	3,203.59
1/4	229.35	1/4	553.60	1/4	884.79	1/4	1,214.86	1/4	1,544.89	1/4	1,878.02	1/4	2,211.10	1/4	2,544.25	1/4	2,877.39	1/4	3,210.53
1/2	236.29	1/2	560.30	1/2	891.61	1/2	1,221.80	1/2	1,551.83	1/2	1,884.95	1/2	2,218.05	1/2	2,551.19	1/2	2,884.33	1/2	3,217.47
3/4	243.23	3/4	566.99	3/4	898.43	3/4	1,228.75	3/4	1,558.77	3/4	1,891.89	3/4	2,224.99	3/4	2,558.13	3/4	2,891.27	3/4	3,224.41
9	250.17	9	573.69	9	905.26	9	1,235.69	9	1,565.71	9	1,898.83	9	2,231.93	9	2,565.07	9	2,898.21	9	3,231.35
1/4	257.11	1/4	580.64	1/4	912.08	1/4	1,242.63	1/4	1,572.65	1/4	1,905.76	1/4	2,238.87	1/4	2,572.01	1/4	2,905.15	1/4	3,238.29
1/2	264.06	1/2	587.58	1/2	918.90	1/2	1,249.57	1/2	1,579.59	1/2	1,912.70	1/2	2,245.81	1/2	2,578.95	1/2	2,912.09	1/2	3,245.23
3/4	271.00	3/4	594.52	3/4	925.72	3/4	1,256.52	3/4	1,586.54	3/4	1,919.63	3/4	2,252.75	3/4	2,585.89	3/4	2,919.03	3/4	3,252.17
10	277.94	10	601.46	10	932.54	10	1,263.46	10	1,593.48	10	1,926.57	10	2,259.69	10	2,592.83	10	2,925.97	10	3,259.11
1/4	284.88	1/4	608.40	1/4	939.36	1/4	1,270.33	1/4	1,600.42	1/4	1,933.51	1/4	2,266.63	1/4	2,599.77	1/4	2,932.91	1/4	3,266.05
1/2	291.82	1/2	615.34	1/2	946.18	1/2	1,277.21	1/2	1,607.36	1/2	1,940.44	1/2	2,273.57	1/2	2,606.71	1/2	2,939.85	1/2	3,272.98
3/4	298.76	3/4	622.28	3/4	953.00	3/4	1,284.09	3/4	1,614.30	3/4	1,947.38	3/4	2,280.51	3/4	2,613.65	3/4	2,946.79	3/4	3,279.92
11	305.71	11	629.23	11	959.82	11	1,290.97	11	1,621.24	11	1,954.31	11	2,287.45	11	2,620.59	11	2,953.73	11	3,286.86
1/4	312.65	1/4	636.17	1/4	966.64	1/4	1,297.78	1/4	1,628.18	1/4	1,961.25	1/4	2,294.39	1/4	2,627.53	1/4	2,960.67	1/4	3,293.78
1/2	319.59	1/2	643.11	1/2	973.46	1/2	1,304.59	1/2	1,635.12	1/2	1,968.19	1/2	2,301.33	1/2	2,634.47	1/2	2,967.61	1/2	3,300.70
3/4	326.53	3/4	650.05	3/4	980.28	3/4	1,311.40	3/4	1,642.06	3/4	1,975.12	3/4	2,308.27	3/4	2,641.41	3/4	2,974.55	3/4	3,307.62

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.

GAUGE POINT: (2" STANDPIPE) LOCATED 13'-00" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "KIRBY 28713"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,314.54	0	3,640.42	0	3,953.94	0	4,255.86	0		0		0		0		0		0	
1/4	3,321.44	1/4	3,647.06	1/4	3,960.35	1/4	4,262.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,328.35	1/2	3,653.70	1/2	3,966.75	1/2	4,268.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,335.25	3/4	3,660.34	3/4	3,973.15	3/4	4,274.33	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,342.15	1	3,666.98	1	3,979.56	1	4,280.49	1		1		1		1		1		1	
1/4	3,349.03	1/4	3,673.60	1/4	3,985.94	1/4	4,286.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,355.91	1/2	3,680.22	1/2	3,992.32	1/2	4,292.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,362.80	3/4	3,686.85	3/4	3,998.70	3/4	4,298.91	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,369.68	2	3,693.47	2	4,005.08	2	4,305.05	2		2		2		2		2		2	
1/4	3,376.54	1/4	3,700.07	1/4	4,011.44	1/4	4,311.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,383.40	1/2	3,706.67	1/2	4,017.80	1/2	4,317.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,390.27	3/4	3,713.28	3/4	4,024.16	3/4	4,323.40	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,397.13	3	3,719.88	3	4,030.52	3	4,329.52	3		3		3		3		3		3	
1/4	3,403.97	1/4	3,726.46	1/4	4,036.86	1/4	4,335.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,410.81	1/2	3,733.05	1/2	4,043.20	1/2	4,341.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,417.65	3/4	3,739.63	3/4	4,049.54	3/4	4,347.82	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,424.49	4	3,746.22	4	4,055.88	4	4,353.91	4		4		4		4		4		4	
1/4	3,431.31	1/4	3,752.78	1/4	4,062.20	1/4	4,359.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,438.13	1/2	3,759.35	1/2	4,068.52	1/2	4,366.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,444.95	3/4	3,765.91	3/4	4,074.84	3/4	4,372.08	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,451.77	5	3,772.48	5	4,081.16	5	4,378.13	5		5		5		5		5		5	
1/4	3,458.57	1/4	3,779.02	1/4	4,087.46	1/4	4,384.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,465.37	1/2	3,785.56	1/2	4,093.76	1/2	4,390.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,472.17	3/4	3,792.10	3/4	4,100.06	3/4	4,396.17	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,478.97	6	3,798.64	6	4,106.36	6	4,402.19	6		6		6		6		6		6	
1/4	3,485.76	1/4	3,805.16	1/4	4,112.64	1/4	4,408.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,492.54	1/2	3,811.68	1/2	4,118.92	1/2	4,414.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,499.32	3/4	3,818.20	3/4	4,125.19	3/4	4,420.18	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,506.11	7	3,824.72	7	4,131.47	7	4,426.17	7		7		7		7		7		7	
1/4	3,512.87	1/4	3,831.22	1/4	4,137.73	1/4	4,432.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,519.63	1/2	3,837.73	1/2	4,143.99	1/2	4,438.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,526.39	3/4	3,844.23	3/4	4,150.24	3/4	4,444.10	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,533.16	8	3,850.73	8	4,156.50	8	4,450.07	8		8		8		8		8		8	
1/4	3,539.89	1/4	3,857.21	1/4	4,162.74	1/4	4,455.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,546.63	1/2	3,863.70	1/2	4,168.98	1/2	4,461.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,553.37	3/4	3,870.18	3/4	4,175.22	3/4	4,467.05	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,560.11	9	3,876.66	9	4,181.46	9	4,472.72	9		9		9		9		9		9	
1/4	3,566.83	1/4	3,883.12	1/4	4,187.68	1/4	4,477.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,573.55	1/2	3,889.58	1/2	4,193.90	1/2	4,482.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,580.27	3/4	3,896.04	3/4	4,200.13	3/4	4,487.03	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,586.99	10	3,902.50	10	4,206.35	10	4,491.81	10		10		10		10		10		10	
1/4	3,593.68	1/4	3,908.94	1/4	4,212.55	1/4	4,495.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,600.38	1/2	3,915.38	1/2	4,218.75	1/2	4,499.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,607.07	3/4	3,921.82	3/4	4,224.95	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,613.76	11	3,928.26	11	4,231.15	11		11		11		11		11		11		11	
1/4	3,620.42	1/4	3,934.68	1/4	4,237.33	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,627.09	1/2	3,941.10	1/2	4,243.50	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,633.75	3/4	3,947.52	3/4	4,249.68	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2016 SW
RECOMPUTED: 10/31/2022 JS
PRINTED: 10/31/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

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



BARGE "KIRBY 28713"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-11"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	12.56	0	332.37	0	654.86	0	986.37	0	1,317.93	0	1,647.83	0	1,980.07	0	2,312.29	0	2,644.43	0	2,976.57
1/4	17.17	1/4	339.29	1/4	661.77	1/4	993.30	1/4	1,324.72	1/4	1,654.75	1/4	1,986.99	1/4	2,319.21	1/4	2,651.35	1/4	2,983.49
1/2	21.78	1/2	346.21	1/2	668.68	1/2	1,000.22	1/2	1,331.51	1/2	1,661.68	1/2	1,993.92	1/2	2,326.13	1/2	2,658.27	1/2	2,990.41
3/4	26.38	3/4	353.12	3/4	675.60	3/4	1,007.14	3/4	1,338.30	3/4	1,668.60	3/4	2,000.84	3/4	2,333.05	3/4	2,665.19	3/4	2,997.33
1	30.99	1	360.04	1	682.51	1	1,014.07	1	1,345.09	1	1,675.52	1	2,007.76	1	2,339.97	1	2,672.11	1	3,004.25
1/4	37.29	1/4	366.96	1/4	689.41	1/4	1,020.99	1/4	1,351.88	1/4	1,682.44	1/4	2,014.68	1/4	2,346.89	1/4	2,679.03	1/4	3,011.17
1/2	43.58	1/2	373.88	1/2	696.32	1/2	1,027.91	1/2	1,358.67	1/2	1,689.37	1/2	2,021.60	1/2	2,353.81	1/2	2,685.95	1/2	3,018.09
3/4	49.88	3/4	380.80	3/4	703.22	3/4	1,034.84	3/4	1,365.46	3/4	1,696.29	3/4	2,028.52	3/4	2,360.73	3/4	2,692.87	3/4	3,025.01
2	56.18	2	387.72	2	710.12	2	1,041.76	2	1,372.24	2	1,703.21	2	2,035.45	2	2,367.65	2	2,699.79	2	3,031.93
1/4	63.03	1/4	394.64	1/4	717.03	1/4	1,048.69	1/4	1,379.03	1/4	1,710.13	1/4	2,042.37	1/4	2,374.57	1/4	2,706.71	1/4	3,038.85
1/2	69.88	1/2	401.56	1/2	723.93	1/2	1,055.61	1/2	1,385.83	1/2	1,717.05	1/2	2,049.29	1/2	2,381.49	1/2	2,713.63	1/2	3,045.77
3/4	76.73	3/4	408.47	3/4	730.83	3/4	1,062.53	3/4	1,392.62	3/4	1,723.97	3/4	2,056.21	3/4	2,388.41	3/4	2,720.55	3/4	3,052.69
3	83.58	3	415.39	3	737.74	3	1,069.46	3	1,399.41	3	1,730.89	3	2,063.13	3	2,395.33	3	2,727.47	3	3,059.61
1/4	90.46	1/4	422.07	1/4	744.64	1/4	1,076.38	1/4	1,406.20	1/4	1,737.81	1/4	2,070.05	1/4	2,402.25	1/4	2,734.39	1/4	3,066.53
1/2	97.34	1/2	428.75	1/2	751.54	1/2	1,083.30	1/2	1,412.99	1/2	1,744.74	1/2	2,076.98	1/2	2,409.16	1/2	2,741.31	1/2	3,073.45
3/4	104.22	3/4	435.43	3/4	758.45	3/4	1,090.23	3/4	1,419.79	3/4	1,751.66	3/4	2,083.90	3/4	2,416.08	3/4	2,748.23	3/4	3,080.37
4	111.10	4	442.11	4	765.35	4	1,097.15	4	1,426.58	4	1,758.58	4	2,090.82	4	2,423.00	4	2,755.14	4	3,087.29
1/4	118.00	1/4	448.55	1/4	772.25	1/4	1,104.07	1/4	1,433.44	1/4	1,765.50	1/4	2,097.74	1/4	2,429.92	1/4	2,762.06	1/4	3,094.21
1/2	124.90	1/2	454.98	1/2	779.16	1/2	1,111.00	1/2	1,440.30	1/2	1,772.42	1/2	2,104.66	1/2	2,436.84	1/2	2,768.98	1/2	3,101.12
3/4	131.79	3/4	461.42	3/4	786.06	3/4	1,117.92	3/4	1,447.15	3/4	1,779.34	3/4	2,111.59	3/4	2,443.76	3/4	2,775.90	3/4	3,108.04
5	138.69	5	467.86	5	792.96	5	1,124.84	5	1,454.01	5	1,786.27	5	2,118.51	5	2,450.68	5	2,782.82	5	3,114.96
1/4	145.60	1/4	474.30	1/4	799.87	1/4	1,131.77	1/4	1,460.93	1/4	1,793.19	1/4	2,125.43	1/4	2,457.60	1/4	2,789.74	1/4	3,121.88
1/2	152.51	1/2	480.74	1/2	806.77	1/2	1,138.69	1/2	1,467.86	1/2	1,800.11	1/2	2,132.35	1/2	2,464.52	1/2	2,796.66	1/2	3,128.80
3/4	159.42	3/4	487.17	3/4	813.67	3/4	1,145.61	3/4	1,474.78	3/4	1,807.03	3/4	2,139.27	3/4	2,471.44	3/4	2,803.58	3/4	3,135.72
6	166.33	6	493.61	6	820.57	6	1,152.54	6	1,481.70	6	1,813.95	6	2,146.19	6	2,478.36	6	2,810.50	6	3,142.64
1/4	173.25	1/4	500.05	1/4	827.48	1/4	1,159.46	1/4	1,488.62	1/4	1,820.87	1/4	2,153.12	1/4	2,485.28	1/4	2,817.42	1/4	3,149.56
1/2	180.16	1/2	506.49	1/2	834.38	1/2	1,166.38	1/2	1,495.54	1/2	1,827.80	1/2	2,160.04	1/2	2,492.20	1/2	2,824.34	1/2	3,156.48
3/4	187.08	3/4	512.92	3/4	841.28	3/4	1,173.31	3/4	1,502.47	3/4	1,834.72	3/4	2,166.96	3/4	2,499.12	3/4	2,831.26	3/4	3,163.40
7	194.00	7	519.36	7	848.19	7	1,180.23	7	1,509.39	7	1,841.64	7	2,173.88	7	2,506.04	7	2,838.18	7	3,170.32
1/4	200.91	1/4	525.80	1/4	855.09	1/4	1,187.16	1/4	1,516.31	1/4	1,848.56	1/4	2,180.80	1/4	2,512.96	1/4	2,845.10	1/4	3,177.24
1/2	207.83	1/2	532.24	1/2	861.99	1/2	1,194.08	1/2	1,523.23	1/2	1,855.48	1/2	2,187.72	1/2	2,519.88	1/2	2,852.02	1/2	3,184.16
3/4	214.75	3/4	538.68	3/4	868.90	3/4	1,201.00	3/4	1,530.16	3/4	1,862.40	3/4	2,194.65	3/4	2,526.80	3/4	2,858.94	3/4	3,191.08
8	221.67	8	545.11	8	875.80	8	1,207.93	8	1,537.08	8	1,869.33	8	2,201.57	8	2,533.72	8	2,865.86	8	3,198.00
1/4	228.59	1/4	551.79	1/4	882.70	1/4	1,214.85	1/4	1,544.00	1/4	1,876.25	1/4	2,208.49	1/4	2,540.64	1/4	2,872.78	1/4	3,204.92
1/2	235.51	1/2	558.47	1/2	889.61	1/2	1,221.77	1/2	1,550.92	1/2	1,883.17	1/2	2,215.41	1/2	2,547.56	1/2	2,879.70	1/2	3,211.84
3/4	242.43	3/4	565.15	3/4	896.51	3/4	1,228.70	3/4	1,557.84	3/4	1,890.09	3/4	2,222.33	3/4	2,554.48	3/4	2,886.62	3/4	3,218.76
9	249.34	9	571.83	9	903.41	9	1,235.62	9	1,564.77	9	1,897.01	9	2,229.26	9	2,561.40	9	2,893.54	9	3,225.68
1/4	256.26	1/4	578.74	1/4	910.32	1/4	1,242.54	1/4	1,571.69	1/4	1,903.93	1/4	2,236.17	1/4	2,568.32	1/4	2,900.46	1/4	3,232.60
1/2	263.18	1/2	585.66	1/2	917.22	1/2	1,249.47	1/2	1,578.61	1/2	1,910.86	1/2	2,243.09	1/2	2,575.24	1/2	2,907.38	1/2	3,239.52
3/4	270.10	3/4	592.58	3/4	924.12	3/4	1,256.39	3/4	1,585.53	3/4	1,917.78	3/4	2,250.01	3/4	2,582.15	3/4	2,914.30	3/4	3,246.44
10	277.02	10	599.50	10	931.03	10	1,263.31	10	1,592.45	10	1,924.70	10	2,256.93	10	2,589.07	10	2,921.22	10	3,253.36
1/4	283.94	1/4	606.42	1/4	937.94	1/4	1,270.17	1/4	1,599.38	1/4	1,931.62	1/4	2,263.85	1/4	2,595.99	1/4	2,928.13	1/4	3,260.27
1/2	290.86	1/2	613.34	1/2	944.85	1/2	1,277.03	1/2	1,606.30	1/2	1,938.54	1/2	2,270.77	1/2	2,602.91	1/2	2,935.05	1/2	3,267.19
3/4	297.78	3/4	620.26	3/4	951.77	3/4	1,283.89	3/4	1,613.22	3/4	1,945.46	3/4	2,277.69	3/4	2,609.83	3/4	2,941.97	3/4	3,274.11
11	304.69	11	627.17	11	958.68	11	1,290.75	11	1,620.14	11	1,952.39	11	2,284.61	11	2,616.75	11	2,948.89	11	3,281.03
1/4	311.61	1/4	634.10	1/4	965.60	1/4	1,297.55	1/4	1,627.07	1/4	1,959.31	1/4	2,291.53	1/4	2,623.67	1/4	2,955.81	1/4	3,287.93
1/2	318.53	1/2	641.02	1/2	972.53	1/2	1,304.34	1/2	1,633.99	1/2	1,966.23	1/2	2,298.45	1/2	2,630.59	1/2	2,962.73	1/2	3,294.83
3/4	325.45	3/4	647.94	3/4	979.45	3/4	1,311.13	3/4	1,640.91	3/4	1,973.15	3/4	2,305.37	3/4	2,637.51	3/4	2,969.65	3/4	3,301.73

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: (2" STANDPIPE) LOCATED 12'-00" OFF CENTERLINE AND 41'-06" 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 28713"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-11"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,308.63	0	3,633.55	0	3,946.21	0	4,247.32	0		0		0		0		0		0	
1/4	3,315.51	1/4	3,640.18	1/4	3,952.59	1/4	4,253.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,322.39	1/2	3,646.80	1/2	3,958.98	1/2	4,259.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,329.27	3/4	3,653.42	3/4	3,965.36	3/4	4,265.74	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,336.15	1	3,660.04	1	3,971.75	1	4,271.89	1		1		1		1		1		1	
1/4	3,343.02	1/4	3,666.65	1/4	3,978.12	1/4	4,278.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,349.88	1/2	3,673.25	1/2	3,984.48	1/2	4,284.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,356.74	3/4	3,679.85	3/4	3,990.84	3/4	4,290.26	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,363.60	2	3,686.45	2	3,997.21	2	4,296.38	2		2		2		2		2		2	
1/4	3,370.45	1/4	3,693.04	1/4	4,003.55	1/4	4,302.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,377.29	1/2	3,699.62	1/2	4,009.89	1/2	4,308.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,384.13	3/4	3,706.21	3/4	4,016.23	3/4	4,314.69	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,390.97	3	3,712.79	3	4,022.58	3	4,320.80	3		3		3		3		3		3	
1/4	3,397.79	1/4	3,719.36	1/4	4,028.90	1/4	4,326.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,404.61	1/2	3,725.92	1/2	4,035.22	1/2	4,332.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,411.43	3/4	3,732.49	3/4	4,041.54	3/4	4,339.04	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,418.25	4	3,739.06	4	4,047.86	4	4,345.13	4		4		4		4		4		4	
1/4	3,425.05	1/4	3,745.60	1/4	4,054.17	1/4	4,351.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,431.85	1/2	3,752.15	1/2	4,060.47	1/2	4,357.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,438.65	3/4	3,758.69	3/4	4,066.78	3/4	4,363.25	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,445.45	5	3,765.24	5	4,073.08	5	4,369.29	5		5		5		5		5		5	
1/4	3,452.23	1/4	3,771.76	1/4	4,079.37	1/4	4,375.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,459.01	1/2	3,778.28	1/2	4,085.65	1/2	4,381.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,465.79	3/4	3,784.81	3/4	4,091.93	3/4	4,387.28	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,472.58	6	3,791.33	6	4,098.22	6	4,393.28	6		6		6		6		6		6	
1/4	3,479.34	1/4	3,797.83	1/4	4,104.48	1/4	4,399.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,486.10	1/2	3,804.33	1/2	4,110.74	1/2	4,405.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,492.87	3/4	3,810.84	3/4	4,117.00	3/4	4,411.23	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,499.63	7	3,817.34	7	4,123.26	7	4,417.21	7		7		7		7		7		7	
1/4	3,506.37	1/4	3,823.83	1/4	4,129.50	1/4	4,423.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,513.12	1/2	3,830.31	1/2	4,135.74	1/2	4,429.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,519.86	3/4	3,836.80	3/4	4,141.98	3/4	4,435.09	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,526.60	8	3,843.28	8	4,148.22	8	4,441.05	8		8		8		8		8		8	
1/4	3,533.32	1/4	3,849.74	1/4	4,154.45	1/4	4,446.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,540.04	1/2	3,856.21	1/2	4,160.67	1/2	4,452.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,546.76	3/4	3,862.67	3/4	4,166.89	3/4	4,457.99	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,553.48	9	3,869.14	9	4,173.12	9	4,463.64	9		9		9		9		9		9	
1/4	3,560.18	1/4	3,875.58	1/4	4,179.32	1/4	4,468.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,566.88	1/2	3,882.02	1/2	4,185.53	1/2	4,473.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,573.58	3/4	3,888.46	3/4	4,191.73	3/4	4,477.92	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,580.28	10	3,894.90	10	4,197.94	10	4,482.69	10		10		10		10		10		10	
1/4	3,586.95	1/4	3,901.32	1/4	4,204.12	1/4	4,486.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,593.63	1/2	3,907.75	1/2	4,210.31	1/2	4,489.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,600.30	3/4	3,914.17	3/4	4,216.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,606.97	11	3,920.59	11	4,222.68	11		11		11		11		11		11		11	
1/4	3,613.62	1/4	3,926.99	1/4	4,228.84	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,620.26	1/2	3,933.40	1/2	4,235.00	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,626.91	3/4	3,939.80	3/4	4,241.16	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2016 SW
RECOMPUTED: 10/31/2022 CL
PRINTED: 10/31/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

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



BARGE "KIRBY 28713"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.52	0	388.79	0	767.81	0	1,138.51	0	1,525.65	0	1,911.37	0	2,300.24	0	2,689.07	0	3,077.81	0	3,466.56
1/4	19.91	1/4	396.89	1/4	775.72	1/4	1,146.43	1/4	1,533.58	1/4	1,919.47	1/4	2,308.34	1/4	2,697.17	1/4	3,085.91	1/4	3,474.66
1/2	25.31	1/2	404.98	1/2	783.62	1/2	1,154.35	1/2	1,541.50	1/2	1,927.58	1/2	2,316.44	1/2	2,705.26	1/2	3,094.01	1/2	3,482.76
3/4	30.70	3/4	413.08	3/4	791.52	3/4	1,162.28	3/4	1,549.43	3/4	1,935.68	3/4	2,324.54	3/4	2,713.36	3/4	3,102.11	3/4	3,490.86
1	36.10	1	421.18	1	799.42	1	1,170.21	1	1,557.36	1	1,943.78	1	2,332.65	1	2,721.46	1	3,110.21	1	3,498.96
1/4	43.47	1/4	429.27	1/4	807.13	1/4	1,178.31	1/4	1,565.28	1/4	1,951.88	1/4	2,340.75	1/4	2,729.56	1/4	3,118.31	1/4	3,507.06
1/2	50.83	1/2	437.37	1/2	814.83	1/2	1,186.41	1/2	1,573.20	1/2	1,959.98	1/2	2,348.85	1/2	2,737.66	1/2	3,126.41	1/2	3,515.15
3/4	58.20	3/4	445.47	3/4	822.53	3/4	1,194.51	3/4	1,581.13	3/4	1,968.08	3/4	2,356.95	3/4	2,745.76	3/4	3,134.51	3/4	3,523.25
2	65.57	2	453.56	2	830.23	2	1,202.61	2	1,589.05	2	1,976.18	2	2,365.05	2	2,753.86	2	3,142.61	2	3,531.35
1/4	73.59	1/4	461.66	1/4	837.94	1/4	1,210.72	1/4	1,596.98	1/4	1,984.29	1/4	2,373.15	1/4	2,761.96	1/4	3,150.70	1/4	3,539.45
1/2	81.60	1/2	469.76	1/2	845.64	1/2	1,218.82	1/2	1,604.91	1/2	1,992.39	1/2	2,381.25	1/2	2,770.06	1/2	3,158.80	1/2	3,547.55
3/4	89.62	3/4	477.85	3/4	853.34	3/4	1,226.92	3/4	1,612.83	3/4	2,000.49	3/4	2,389.36	3/4	2,778.15	3/4	3,166.90	3/4	3,555.65
3	97.63	3	485.95	3	861.04	3	1,235.02	3	1,620.76	3	2,008.59	3	2,397.46	3	2,786.25	3	3,175.00	3	3,563.75
1/4	105.69	1/4	493.81	1/4	868.75	1/4	1,243.12	1/4	1,628.69	1/4	2,016.69	1/4	2,405.56	1/4	2,794.35	1/4	3,183.10	1/4	3,571.85
1/2	113.74	1/2	501.66	1/2	876.45	1/2	1,251.22	1/2	1,636.62	1/2	2,024.79	1/2	2,413.66	1/2	2,802.45	1/2	3,191.20	1/2	3,579.95
3/4	121.79	3/4	509.52	3/4	884.15	3/4	1,259.33	3/4	1,644.54	3/4	2,032.89	3/4	2,421.76	3/4	2,810.55	3/4	3,199.30	3/4	3,588.04
4	129.84	4	517.37	4	891.85	4	1,267.43	4	1,652.47	4	2,041.00	4	2,429.86	4	2,818.65	4	3,207.40	4	3,596.14
1/4	137.92	1/4	524.99	1/4	899.55	1/4	1,275.53	1/4	1,660.49	1/4	2,049.10	1/4	2,437.96	1/4	2,826.75	1/4	3,215.50	1/4	3,604.24
1/2	145.99	1/2	532.61	1/2	907.25	1/2	1,283.63	1/2	1,668.50	1/2	2,057.20	1/2	2,446.07	1/2	2,834.85	1/2	3,223.59	1/2	3,612.34
3/4	154.06	3/4	540.22	3/4	914.95	3/4	1,291.73	3/4	1,676.52	3/4	2,065.30	3/4	2,454.17	3/4	2,842.95	3/4	3,231.69	3/4	3,620.44
5	162.14	5	547.84	5	922.65	5	1,299.84	5	1,684.53	5	2,073.40	5	2,462.27	5	2,851.04	5	3,239.79	5	3,628.54
1/4	170.22	1/4	555.45	1/4	930.35	1/4	1,307.94	1/4	1,692.64	1/4	2,081.50	1/4	2,470.37	1/4	2,859.14	1/4	3,247.89	1/4	3,636.64
1/2	178.31	1/2	563.07	1/2	938.05	1/2	1,316.04	1/2	1,700.74	1/2	2,089.60	1/2	2,478.47	1/2	2,867.24	1/2	3,255.99	1/2	3,644.74
3/4	186.39	3/4	570.68	3/4	945.75	3/4	1,324.14	3/4	1,708.84	3/4	2,097.71	3/4	2,486.57	3/4	2,875.34	3/4	3,264.09	3/4	3,652.84
6	194.48	6	578.30	6	953.45	6	1,332.24	6	1,716.94	6	2,105.81	6	2,494.67	6	2,883.44	6	3,272.19	6	3,660.93
1/4	202.57	1/4	585.91	1/4	961.15	1/4	1,340.34	1/4	1,725.04	1/4	2,113.91	1/4	2,502.78	1/4	2,891.54	1/4	3,280.29	1/4	3,669.03
1/2	210.67	1/2	593.53	1/2	968.84	1/2	1,348.45	1/2	1,733.14	1/2	2,122.01	1/2	2,510.88	1/2	2,899.64	1/2	3,288.39	1/2	3,677.13
3/4	218.76	3/4	601.14	3/4	976.54	3/4	1,356.55	3/4	1,741.24	3/4	2,130.11	3/4	2,518.98	3/4	2,907.74	3/4	3,296.48	3/4	3,685.23
7	226.85	7	608.76	7	984.24	7	1,364.65	7	1,749.34	7	2,138.21	7	2,527.08	7	2,915.84	7	3,304.58	7	3,693.33
1/4	234.95	1/4	616.38	1/4	991.94	1/4	1,372.75	1/4	1,757.45	1/4	2,146.31	1/4	2,535.18	1/4	2,923.93	1/4	3,312.68	1/4	3,701.43
1/2	243.05	1/2	623.99	1/2	999.64	1/2	1,380.85	1/2	1,765.55	1/2	2,154.41	1/2	2,543.28	1/2	2,932.03	1/2	3,320.78	1/2	3,709.53
3/4	251.14	3/4	631.61	3/4	1,007.34	3/4	1,388.96	3/4	1,773.65	3/4	2,162.52	3/4	2,551.38	3/4	2,940.13	3/4	3,328.88	3/4	3,717.63
8	259.24	8	639.22	8	1,015.03	8	1,397.06	8	1,781.75	8	2,170.62	8	2,559.48	8	2,948.23	8	3,336.98	8	3,725.73
1/4	267.34	1/4	647.08	1/4	1,022.73	1/4	1,405.16	1/4	1,789.85	1/4	2,178.72	1/4	2,567.58	1/4	2,956.33	1/4	3,345.08	1/4	3,733.82
1/2	275.43	1/2	654.93	1/2	1,030.43	1/2	1,413.26	1/2	1,797.95	1/2	2,186.82	1/2	2,575.68	1/2	2,964.43	1/2	3,353.18	1/2	3,741.92
3/4	283.53	3/4	662.79	3/4	1,038.13	3/4	1,421.36	3/4	1,806.05	3/4	2,194.92	3/4	2,583.78	3/4	2,972.53	3/4	3,361.28	3/4	3,750.02
9	291.63	9	670.65	9	1,045.83	9	1,429.46	9	1,814.16	9	2,203.02	9	2,591.88	9	2,980.63	9	3,369.37	9	3,758.12
1/4	299.72	1/4	678.74	1/4	1,053.53	1/4	1,437.57	1/4	1,822.26	1/4	2,211.12	1/4	2,599.98	1/4	2,988.73	1/4	3,377.47	1/4	3,766.22
1/2	307.82	1/2	686.84	1/2	1,061.22	1/2	1,445.67	1/2	1,830.36	1/2	2,219.23	1/2	2,608.08	1/2	2,996.83	1/2	3,385.57	1/2	3,774.32
3/4	315.92	3/4	694.94	3/4	1,068.92	3/4	1,453.77	3/4	1,838.46	3/4	2,227.33	3/4	2,616.18	3/4	3,004.92	3/4	3,393.67	3/4	3,782.42
10	324.01	10	703.03	10	1,076.62	10	1,461.87	10	1,846.56	10	2,235.43	10	2,624.28	10	3,013.02	10	3,401.77	10	3,790.52
1/4	332.11	1/4	711.13	1/4	1,084.34	1/4	1,469.89	1/4	1,854.66	1/4	2,243.53	1/4	2,632.37	1/4	3,021.12	1/4	3,409.87	1/4	3,798.61
1/2	340.21	1/2	719.23	1/2	1,092.07	1/2	1,477.90	1/2	1,862.76	1/2	2,251.63	1/2	2,640.47	1/2	3,029.22	1/2	3,417.97	1/2	3,806.71
3/4	348.31	3/4	727.32	3/4	1,099.79	3/4	1,485.92	3/4	1,870.87	3/4	2,259.73	3/4	2,648.57	3/4	3,037.32	3/4	3,426.07	3/4	3,814.80
11	356.40	11	735.42	11	1,107.51	11	1,493.93	11	1,878.97	11	2,267.83	11	2,656.67	11	3,045.42	11	3,434.17	11	3,822.89
1/4	364.50	1/4	743.52	1/4	1,115.26	1/4	1,501.86	1/4	1,887.07	1/4	2,275.94	1/4	2,664.77	1/4	3,053.52	1/4	3,442.26	1/4	3,830.97
1/2	372.60	1/2	751.62	1/2	1,123.01	1/2	1,509.79	1/2	1,895.17	1/2	2,284.04	1/2	2,672.87	1/2	3,061.62	1/2	3,450.36	1/2	3,839.05
3/4	380.69	3/4	759.72	3/4	1,130.76	3/4	1,517.72	3/4	1,903.27	3/4	2,292.14	3/4	2,680.97	3/4	3,069.72	3/4	3,458.46	3/4	3,847.12

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: (2" STANDPIPE) LOCATED 13'-06" OFF CENTERLINE AND 48'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 28713"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,855.20	0	4,235.49	0	4,601.41	0	4,953.83	0		0		0		0		0		0	
1/4	3,863.25	1/4	4,243.24	1/4	4,608.89	1/4	4,961.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,871.31	1/2	4,250.99	1/2	4,616.36	1/2	4,968.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,879.36	3/4	4,258.74	3/4	4,623.84	3/4	4,975.40	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,887.41	1	4,266.49	1	4,631.31	1	4,982.59	1		1		1		1		1		1	
1/4	3,895.44	1/4	4,274.22	1/4	4,638.76	1/4	4,989.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,903.48	1/2	4,281.95	1/2	4,646.21	1/2	4,996.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,911.51	3/4	4,289.68	3/4	4,653.66	3/4	5,004.09	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,919.54	2	4,297.41	2	4,661.11	2	5,011.26	2		2		2		2		2		2	
1/4	3,927.55	1/4	4,305.11	1/4	4,668.53	1/4	5,018.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,935.56	1/2	4,312.82	1/2	4,675.95	1/2	5,025.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,943.56	3/4	4,320.52	3/4	4,683.38	3/4	5,032.69	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,951.57	3	4,328.23	3	4,690.80	3	5,039.83	3		3		3		3		3		3	
1/4	3,959.55	1/4	4,335.92	1/4	4,698.20	1/4	5,046.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,967.54	1/2	4,343.60	1/2	4,705.60	1/2	5,054.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,975.52	3/4	4,351.29	3/4	4,713.00	3/4	5,061.19	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,983.50	4	4,358.97	4	4,720.40	4	5,068.30	4		4		4		4		4		4	
1/4	3,991.46	1/4	4,366.63	1/4	4,727.77	1/4	5,075.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,999.42	1/2	4,374.29	1/2	4,735.15	1/2	5,082.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,007.38	3/4	4,381.95	3/4	4,742.53	3/4	5,089.50	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,015.34	5	4,389.62	5	4,749.91	5	5,096.57	5		5		5		5		5		5	
1/4	4,023.27	1/4	4,397.25	1/4	4,757.26	1/4	5,103.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,031.21	1/2	4,404.88	1/2	4,764.62	1/2	5,110.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,039.15	3/4	4,412.52	3/4	4,771.97	3/4	5,117.62	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,047.08	6	4,420.15	6	4,779.32	6	5,124.63	6		6		6		6		6		6	
1/4	4,055.00	1/4	4,427.76	1/4	4,786.65	1/4	5,131.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,062.92	1/2	4,435.37	1/2	4,793.98	1/2	5,138.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,070.83	3/4	4,442.98	3/4	4,801.31	3/4	5,145.62	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,078.75	7	4,450.59	7	4,808.64	7	5,152.62	7		7		7		7		7		7	
1/4	4,086.64	1/4	4,458.18	1/4	4,815.94	1/4	5,159.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,094.53	1/2	4,465.77	1/2	4,823.25	1/2	5,166.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,102.42	3/4	4,473.36	3/4	4,830.55	3/4	5,173.53	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,110.31	8	4,480.95	8	4,837.85	8	5,180.50	8		8		8		8		8		8	
1/4	4,118.18	1/4	4,488.52	1/4	4,845.14	1/4	5,187.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,126.04	1/2	4,496.08	1/2	4,852.42	1/2	5,193.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,133.91	3/4	4,503.65	3/4	4,859.70	3/4	5,200.32	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,141.77	9	4,511.21	9	4,866.99	9	5,206.92	9		9		9		9		9		9	
1/4	4,149.62	1/4	4,518.75	1/4	4,874.25	1/4	5,212.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,157.46	1/2	4,526.29	1/2	4,881.51	1/2	5,218.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,165.30	3/4	4,533.83	3/4	4,888.78	3/4	5,223.64	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,173.14	10	4,541.37	10	4,896.04	10	5,229.21	10		10		10		10		10		10	
1/4	4,180.95	1/4	4,548.89	1/4	4,903.28	1/4	5,233.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,188.76	1/2	4,556.40	1/2	4,910.52	1/2	5,237.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,196.57	3/4	4,563.92	3/4	4,917.75	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,204.39	11	4,571.44	11	4,924.99	11		11		11		11		11		11		11	
1/4	4,212.16	1/4	4,578.93	1/4	4,932.20	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,219.94	1/2	4,586.43	1/2	4,939.41	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,227.71	3/4	4,593.92	3/4	4,946.62	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2016 SW
RECOMPUTED: 10/31/2022 CL
PRINTED: 10/31/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

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



BARGE "KIRBY 28713"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-11"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.45	0	386.93	0	764.12	0	1,150.22	0	1,537.23	0	1,923.84	0	2,307.03	0	2,693.97	0	3,080.84	0	3,467.70
1/4	19.82	1/4	394.99	1/4	772.17	1/4	1,158.28	1/4	1,545.29	1/4	1,931.73	1/4	2,315.10	1/4	2,702.03	1/4	3,088.89	1/4	3,475.76
1/2	25.19	1/2	403.05	1/2	780.22	1/2	1,166.34	1/2	1,553.35	1/2	1,939.62	1/2	2,323.16	1/2	2,710.09	1/2	3,096.95	1/2	3,483.82
3/4	30.56	3/4	411.11	3/4	788.28	3/4	1,174.40	3/4	1,561.41	3/4	1,947.51	3/4	2,331.22	3/4	2,718.15	3/4	3,105.01	3/4	3,491.87
1	35.93	1	419.16	1	796.33	1	1,182.46	1	1,569.47	1	1,955.41	1	2,339.28	1	2,726.21	1	3,113.07	1	3,499.93
1/4	43.26	1/4	427.22	1/4	804.37	1/4	1,190.53	1/4	1,577.53	1/4	1,963.30	1/4	2,347.34	1/4	2,734.27	1/4	3,121.13	1/4	3,507.99
1/2	50.59	1/2	435.28	1/2	812.41	1/2	1,198.59	1/2	1,585.59	1/2	1,971.19	1/2	2,355.41	1/2	2,742.33	1/2	3,129.19	1/2	3,516.05
3/4	57.92	3/4	443.34	3/4	820.46	3/4	1,206.65	3/4	1,593.64	3/4	1,979.08	3/4	2,363.47	3/4	2,750.39	3/4	3,137.25	3/4	3,524.11
2	65.26	2	451.40	2	828.50	2	1,214.71	2	1,601.70	2	1,986.97	2	2,371.53	2	2,758.45	2	3,145.31	2	3,532.17
1/4	73.24	1/4	459.45	1/4	836.54	1/4	1,222.78	1/4	1,609.76	1/4	1,994.86	1/4	2,379.59	1/4	2,766.51	1/4	3,153.37	1/4	3,540.23
1/2	81.21	1/2	467.51	1/2	844.58	1/2	1,230.84	1/2	1,617.82	1/2	2,002.75	1/2	2,387.65	1/2	2,774.57	1/2	3,161.43	1/2	3,548.29
3/4	89.19	3/4	475.57	3/4	852.63	3/4	1,238.90	3/4	1,625.88	3/4	2,010.64	3/4	2,395.72	3/4	2,782.63	3/4	3,169.49	3/4	3,556.35
3	97.17	3	483.63	3	860.67	3	1,246.97	3	1,633.94	3	2,018.52	3	2,403.78	3	2,790.69	3	3,177.55	3	3,564.41
1/4	105.18	1/4	491.45	1/4	868.71	1/4	1,255.03	1/4	1,642.00	1/4	2,026.41	1/4	2,411.84	1/4	2,798.75	1/4	3,185.61	1/4	3,572.47
1/2	113.20	1/2	499.26	1/2	876.75	1/2	1,263.09	1/2	1,650.06	1/2	2,034.30	1/2	2,419.90	1/2	2,806.81	1/2	3,193.67	1/2	3,580.53
3/4	121.21	3/4	507.08	3/4	884.80	3/4	1,271.16	3/4	1,658.13	3/4	2,042.19	3/4	2,427.96	3/4	2,814.87	3/4	3,201.73	3/4	3,588.59
4	129.22	4	514.90	4	892.84	4	1,279.22	4	1,666.19	4	2,050.08	4	2,436.03	4	2,822.93	4	3,209.79	4	3,596.65
1/4	137.26	1/4	522.48	1/4	900.88	1/4	1,287.28	1/4	1,674.25	1/4	2,057.97	1/4	2,444.09	1/4	2,830.99	1/4	3,217.85	1/4	3,604.71
1/2	145.29	1/2	530.06	1/2	908.92	1/2	1,295.34	1/2	1,682.31	1/2	2,065.86	1/2	2,452.15	1/2	2,839.05	1/2	3,225.91	1/2	3,612.77
3/4	153.33	3/4	537.63	3/4	916.96	3/4	1,303.41	3/4	1,690.38	3/4	2,073.75	3/4	2,460.21	3/4	2,847.11	3/4	3,233.97	3/4	3,620.83
5	161.36	5	545.21	5	925.00	5	1,311.47	5	1,698.44	5	2,081.64	5	2,468.27	5	2,855.17	5	3,242.03	5	3,628.89
1/4	169.41	1/4	552.79	1/4	933.04	1/4	1,319.53	1/4	1,706.50	1/4	2,089.62	1/4	2,476.34	1/4	2,863.23	1/4	3,250.09	1/4	3,636.95
1/2	177.46	1/2	560.37	1/2	941.08	1/2	1,327.60	1/2	1,714.56	1/2	2,097.60	1/2	2,484.40	1/2	2,871.29	1/2	3,258.15	1/2	3,645.01
3/4	185.50	3/4	567.94	3/4	949.12	3/4	1,335.66	3/4	1,722.63	3/4	2,105.57	3/4	2,492.46	3/4	2,879.35	3/4	3,266.21	3/4	3,653.07
6	193.55	6	575.52	6	957.16	6	1,343.72	6	1,730.69	6	2,113.55	6	2,500.52	6	2,887.40	6	3,274.27	6	3,661.13
1/4	201.61	1/4	583.10	1/4	965.20	1/4	1,351.78	1/4	1,738.75	1/4	2,121.61	1/4	2,508.58	1/4	2,895.46	1/4	3,282.33	1/4	3,669.19
1/2	209.66	1/2	590.68	1/2	973.23	1/2	1,359.85	1/2	1,746.81	1/2	2,129.67	1/2	2,516.65	1/2	2,903.52	1/2	3,290.38	1/2	3,677.25
3/4	217.72	3/4	598.26	3/4	981.27	3/4	1,367.91	3/4	1,754.88	3/4	2,137.73	3/4	2,524.71	3/4	2,911.58	3/4	3,298.44	3/4	3,685.31
7	225.77	7	605.83	7	989.31	7	1,375.97	7	1,762.94	7	2,145.79	7	2,532.77	7	2,919.64	7	3,306.50	7	3,693.36
1/4	233.83	1/4	613.41	1/4	997.35	1/4	1,384.04	1/4	1,771.00	1/4	2,153.86	1/4	2,540.83	1/4	2,927.70	1/4	3,314.56	1/4	3,701.42
1/2	241.89	1/2	620.99	1/2	1,005.39	1/2	1,392.10	1/2	1,779.06	1/2	2,161.92	1/2	2,548.89	1/2	2,935.76	1/2	3,322.62	1/2	3,709.48
3/4	249.94	3/4	628.57	3/4	1,013.43	3/4	1,400.16	3/4	1,787.13	3/4	2,169.98	3/4	2,556.96	3/4	2,943.82	3/4	3,330.68	3/4	3,717.54
8	258.00	8	636.14	8	1,021.47	8	1,408.22	8	1,795.19	8	2,178.04	8	2,565.02	8	2,951.88	8	3,338.74	8	3,725.60
1/4	266.06	1/4	643.96	1/4	1,029.51	1/4	1,416.29	1/4	1,803.25	1/4	2,186.10	1/4	2,573.08	1/4	2,959.94	1/4	3,346.80	1/4	3,733.66
1/2	274.12	1/2	651.78	1/2	1,037.55	1/2	1,424.35	1/2	1,811.31	1/2	2,194.17	1/2	2,581.14	1/2	2,968.00	1/2	3,354.86	1/2	3,741.72
3/4	282.18	3/4	659.60	3/4	1,045.59	3/4	1,432.41	3/4	1,819.38	3/4	2,202.23	3/4	2,589.20	3/4	2,976.06	3/4	3,362.92	3/4	3,749.78
9	290.23	9	667.42	9	1,053.63	9	1,440.48	9	1,827.44	9	2,210.29	9	2,597.26	9	2,984.12	9	3,370.98	9	3,757.84
1/4	298.29	1/4	675.47	1/4	1,061.66	1/4	1,448.54	1/4	1,835.50	1/4	2,218.35	1/4	2,605.32	1/4	2,992.18	1/4	3,379.04	1/4	3,765.90
1/2	306.35	1/2	683.53	1/2	1,069.70	1/2	1,456.60	1/2	1,843.56	1/2	2,226.41	1/2	2,613.38	1/2	3,000.24	1/2	3,387.10	1/2	3,773.96
3/4	314.41	3/4	691.59	3/4	1,077.74	3/4	1,464.66	3/4	1,851.63	3/4	2,234.48	3/4	2,621.44	3/4	3,008.30	3/4	3,395.16	3/4	3,782.02
10	322.47	10	699.65	10	1,085.78	10	1,472.73	10	1,859.69	10	2,242.54	10	2,629.50	10	3,016.36	10	3,403.22	10	3,790.08
1/4	330.52	1/4	707.70	1/4	1,093.83	1/4	1,480.79	1/4	1,867.75	1/4	2,250.60	1/4	2,637.56	1/4	3,024.42	1/4	3,411.28	1/4	3,798.13
1/2	338.58	1/2	715.76	1/2	1,101.88	1/2	1,488.85	1/2	1,875.81	1/2	2,258.66	1/2	2,645.62	1/2	3,032.48	1/2	3,419.34	1/2	3,806.18
3/4	346.64	3/4	723.82	3/4	1,109.93	3/4	1,496.92	3/4	1,883.88	3/4	2,266.72	3/4	2,653.68	3/4	3,040.54	3/4	3,427.40	3/4	3,814.23
11	354.70	11	731.88	11	1,117.98	11	1,504.98	11	1,891.94	11	2,274.79	11	2,661.74	11	3,048.60	11	3,435.46	11	3,822.28
1/4	362.76	1/4	739.94	1/4	1,126.04	1/4	1,513.04	1/4	1,899.92	1/4	2,282.85	1/4	2,669.80	1/4	3,056.66	1/4	3,443.52	1/4	3,830.32
1/2	370.82	1/2	748.00	1/2	1,134.10	1/2	1,521.10	1/2	1,907.89	1/2	2,290.91	1/2	2,677.86	1/2	3,064.72	1/2	3,451.58	1/2	3,838.36
3/4	378.87	3/4	756.06	3/4	1,142.16	3/4	1,529.17	3/4	1,915.87	3/4	2,298.97	3/4	2,685.91	3/4	3,072.78	3/4	3,459.64	3/4	3,846.40

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: (2" STANDPIPE) LOCATED 12'-06" OFF CENTERLINE AND 48'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 28713"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-11"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,854.43	0	4,232.85	0	4,596.93	0	4,947.53	0		0		0		0		0		0	
1/4	3,862.45	1/4	4,240.56	1/4	4,604.37	1/4	4,954.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,870.46	1/2	4,248.28	1/2	4,611.80	1/2	4,961.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,878.47	3/4	4,255.99	3/4	4,619.24	3/4	4,968.98	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,886.49	1	4,263.70	1	4,626.67	1	4,976.13	1		1		1		1		1		1	
1/4	3,894.48	1/4	4,271.39	1/4	4,634.09	1/4	4,983.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,902.47	1/2	4,279.08	1/2	4,641.50	1/2	4,990.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,910.47	3/4	4,286.77	3/4	4,648.91	3/4	4,997.52	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,918.46	2	4,294.46	2	4,656.32	2	5,004.65	2		2		2		2		2		2	
1/4	3,926.43	1/4	4,302.12	1/4	4,663.70	1/4	5,011.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,934.40	1/2	4,309.79	1/2	4,671.09	1/2	5,018.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,942.37	3/4	4,317.46	3/4	4,678.47	3/4	5,025.97	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,950.33	3	4,325.13	3	4,685.85	3	5,033.08	3		3		3		3		3		3	
1/4	3,958.28	1/4	4,332.77	1/4	4,693.22	1/4	5,040.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,966.22	1/2	4,340.42	1/2	4,700.58	1/2	5,047.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,974.16	3/4	4,348.07	3/4	4,707.94	3/4	5,054.32	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,982.10	4	4,355.71	4	4,715.30	4	5,061.40	4		4		4		4		4		4	
1/4	3,990.02	1/4	4,363.34	1/4	4,722.64	1/4	5,068.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,997.94	1/2	4,370.96	1/2	4,729.98	1/2	5,075.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,005.86	3/4	4,378.58	3/4	4,737.32	3/4	5,082.49	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,013.78	5	4,386.20	5	4,744.66	5	5,089.52	5		5		5		5		5		5	
1/4	4,021.68	1/4	4,393.80	1/4	4,751.98	1/4	5,096.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,029.58	1/2	4,401.39	1/2	4,759.29	1/2	5,103.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,037.48	3/4	4,408.99	3/4	4,766.61	3/4	5,110.45	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,045.38	6	4,416.58	6	4,773.93	6	5,117.43	6		6		6		6		6		6	
1/4	4,053.25	1/4	4,424.16	1/4	4,781.22	1/4	5,124.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,061.13	1/2	4,431.73	1/2	4,788.51	1/2	5,131.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,069.01	3/4	4,439.30	3/4	4,795.80	3/4	5,138.31	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,076.89	7	4,446.87	7	4,803.09	7	5,145.27	7		7		7		7		7		7	
1/4	4,084.74	1/4	4,454.42	1/4	4,810.35	1/4	5,152.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,092.59	1/2	4,461.98	1/2	4,817.62	1/2	5,159.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,100.44	3/4	4,469.53	3/4	4,824.89	3/4	5,166.07	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,108.30	8	4,477.08	8	4,832.15	8	5,173.00	8		8		8		8		8		8	
1/4	4,116.12	1/4	4,484.61	1/4	4,839.40	1/4	5,179.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,123.95	1/2	4,492.13	1/2	4,846.65	1/2	5,186.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,131.77	3/4	4,499.66	3/4	4,853.89	3/4	5,192.71	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,139.60	9	4,507.19	9	4,861.14	9	5,199.29	9		9		9		9		9		9	
1/4	4,147.40	1/4	4,514.69	1/4	4,868.36	1/4	5,204.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,155.20	1/2	4,522.19	1/2	4,875.59	1/2	5,210.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,163.01	3/4	4,529.69	3/4	4,882.81	3/4	5,215.91	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,170.81	10	4,537.19	10	4,890.04	10	5,221.45	10		10		10		10		10		10	
1/4	4,178.58	1/4	4,544.67	1/4	4,897.24	1/4	5,225.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,186.36	1/2	4,552.15	1/2	4,904.44	1/2	5,229.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,194.13	3/4	4,559.63	3/4	4,911.64	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,201.90	11	4,567.10	11	4,918.84	11		11		11		11		11		11		11	
1/4	4,209.64	1/4	4,574.56	1/4	4,926.01	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,217.38	1/2	4,582.02	1/2	4,933.18	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,225.11	3/4	4,589.47	3/4	4,940.36	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2016 SW
RECOMPUTED: 10/31/2022 CL
PRINTED: 10/31/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

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



BARGE "KIRBY 28713"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	17.81	0	375.38	0	722.17	0	1,070.89	0	1,426.55	0	1,784.59	0	2,144.46	0	2,504.21	0	2,863.99	0	3,166.03
1/4	24.66	1/4	382.40	1/4	729.36	1/4	1,078.39	1/4	1,434.05	1/4	1,792.05	1/4	2,151.95	1/4	2,511.70	1/4	2,871.48	1/4	3,170.64
1/2	31.51	1/2	389.43	1/2	736.54	1/2	1,085.89	1/2	1,441.55	1/2	1,799.50	1/2	2,159.45	1/2	2,519.20	1/2	2,878.98	1/2	3,175.25
3/4	38.36	3/4	396.45	3/4	743.72	3/4	1,093.40	3/4	1,449.05	3/4	1,806.96	3/4	2,166.94	3/4	2,526.69	3/4	2,886.47	3/4	3,179.86
1	45.21	1	403.48	1	750.91	1	1,100.90	1	1,456.55	1	1,814.41	1	2,174.43	1	2,534.19	1	2,893.97	1	3,184.46
1/4	52.70	1/4	410.50	1/4	758.09	1/4	1,108.22	1/4	1,464.01	1/4	1,821.92	1/4	2,181.93	1/4	2,541.69	1/4	2,901.46	1/4	3,189.08
1/2	60.19	1/2	417.53	1/2	765.27	1/2	1,115.54	1/2	1,471.46	1/2	1,829.43	1/2	2,189.43	1/2	2,549.18	1/2	2,908.96	1/2	3,193.70
3/4	67.68	3/4	424.55	3/4	772.46	3/4	1,122.86	3/4	1,478.92	3/4	1,836.93	3/4	2,196.92	3/4	2,556.68	3/4	2,916.45	3/4	3,198.32
2	75.17	2	431.58	2	779.64	2	1,130.18	2	1,486.38	2	1,844.44	2	2,204.42	2	2,564.17	2	2,923.95	2	3,202.94
1/4	82.67	1/4	438.60	1/4	786.82	1/4	1,137.50	1/4	1,493.83	1/4	1,851.94	1/4	2,211.91	1/4	2,571.67	1/4	2,931.45	1/4	3,207.55
1/2	90.17	1/2	445.62	1/2	794.01	1/2	1,144.82	1/2	1,501.29	1/2	1,859.45	1/2	2,219.41	1/2	2,579.16	1/2	2,938.94	1/2	3,212.17
3/4	97.67	3/4	452.65	3/4	801.19	3/4	1,152.14	3/4	1,508.74	3/4	1,866.96	3/4	2,226.91	3/4	2,586.66	3/4	2,946.44	3/4	3,216.79
3	105.17	3	459.67	3	808.37	3	1,159.46	3	1,516.20	3	1,874.46	3	2,234.40	3	2,594.15	3	2,953.93	3	3,221.41
1/4	112.68	1/4	466.70	1/4	815.56	1/4	1,166.78	1/4	1,523.65	1/4	1,881.97	1/4	2,241.89	1/4	2,601.65	1/4	2,961.43	1/4	3,226.02
1/2	120.18	1/2	473.72	1/2	822.74	1/2	1,174.10	1/2	1,531.11	1/2	1,889.48	1/2	2,249.39	1/2	2,609.14	1/2	2,968.92	1/2	3,230.64
3/4	127.69	3/4	480.75	3/4	829.92	3/4	1,181.42	3/4	1,538.56	3/4	1,896.98	3/4	2,256.88	3/4	2,616.64	3/4	2,976.42	3/4	3,235.26
4	135.19	4	487.77	4	837.10	4	1,188.74	4	1,546.02	4	1,904.49	4	2,264.37	4	2,624.13	4	2,983.91	4	3,239.88
1/4	142.70	1/4	494.80	1/4	844.29	1/4	1,196.06	1/4	1,553.47	1/4	1,911.99	1/4	2,271.86	1/4	2,631.63	1/4	2,991.41	1/4	3,244.50
1/2	150.20	1/2	501.82	1/2	851.47	1/2	1,203.38	1/2	1,560.93	1/2	1,919.50	1/2	2,279.35	1/2	2,639.13	1/2	2,998.90	1/2	3,249.11
3/4	157.71	3/4	508.85	3/4	858.65	3/4	1,210.70	3/4	1,568.38	3/4	1,927.01	3/4	2,286.85	3/4	2,646.62	3/4	3,006.40	3/4	3,253.73
5	165.22	5	515.87	5	865.84	5	1,218.02	5	1,575.84	5	1,934.51	5	2,294.34	5	2,654.12	5	3,013.90	5	3,258.35
1/4	172.72	1/4	523.38	1/4	873.02	1/4	1,225.34	1/4	1,583.30	1/4	1,942.02	1/4	2,301.83	1/4	2,661.61	1/4	3,021.39	1/4	3,262.97
1/2	180.23	1/2	530.88	1/2	880.20	1/2	1,232.66	1/2	1,590.75	1/2	1,949.53	1/2	2,309.33	1/2	2,669.11	1/2	3,028.89	1/2	3,267.59
3/4	187.73	3/4	538.39	3/4	887.39	3/4	1,239.98	3/4	1,598.21	3/4	1,957.03	3/4	2,316.82	3/4	2,676.60	3/4	3,036.38	3/4	3,272.20
6	195.24	6	545.89	6	894.57	6	1,247.30	6	1,605.66	6	1,964.54	6	2,324.32	6	2,684.10	6	3,043.88	6	3,276.82
1/4	202.75	1/4	553.40	1/4	901.75	1/4	1,254.62	1/4	1,613.12	1/4	1,972.05	1/4	2,331.81	1/4	2,691.59	1/4	3,051.37	1/4	3,281.44
1/2	210.25	1/2	560.90	1/2	908.94	1/2	1,261.94	1/2	1,620.57	1/2	1,979.55	1/2	2,339.31	1/2	2,699.09	1/2	3,058.87	1/2	3,286.06
3/4	217.76	3/4	568.41	3/4	916.12	3/4	1,269.26	3/4	1,628.03	3/4	1,987.06	3/4	2,346.80	3/4	2,706.58	3/4	3,066.36	3/4	3,290.67
7	225.26	7	575.91	7	923.30	7	1,276.58	7	1,635.48	7	1,994.56	7	2,354.30	7	2,714.08	7	3,073.86	7	3,295.29
1/4	232.77	1/4	583.42	1/4	930.50	1/4	1,284.08	1/4	1,642.94	1/4	2,002.07	1/4	2,361.80	1/4	2,721.57	1/4	3,078.47	1/4	3,299.90
1/2	240.27	1/2	590.93	1/2	937.69	1/2	1,291.59	1/2	1,650.39	1/2	2,009.57	1/2	2,369.29	1/2	2,729.07	1/2	3,083.08	1/2	3,304.51
3/4	247.78	3/4	598.43	3/4	944.89	3/4	1,299.09	3/4	1,657.85	3/4	2,017.07	3/4	2,376.79	3/4	2,736.57	3/4	3,087.68	3/4	3,309.11
8	255.29	8	605.94	8	952.09	8	1,306.59	8	1,665.30	8	2,024.58	8	2,384.28	8	2,744.06	8	3,092.29	8	3,313.72
1/4	262.79	1/4	613.45	1/4	959.28	1/4	1,314.09	1/4	1,672.76	1/4	2,032.08	1/4	2,391.78	1/4	2,751.56	1/4	3,096.90	1/4	3,318.31
1/2	270.30	1/2	620.96	1/2	966.48	1/2	1,321.59	1/2	1,680.22	1/2	2,039.58	1/2	2,399.27	1/2	2,759.05	1/2	3,101.51	1/2	3,322.89
3/4	277.80	3/4	628.47	3/4	973.67	3/4	1,329.09	3/4	1,687.67	3/4	2,047.08	3/4	2,406.77	3/4	2,766.55	3/4	3,106.12	3/4	3,327.48
9	285.31	9	635.98	9	980.87	9	1,336.59	9	1,695.13	9	2,054.59	9	2,414.26	9	2,774.04	9	3,110.73	9	3,332.07
1/4	292.82	1/4	643.16	1/4	988.37	1/4	1,344.09	1/4	1,702.58	1/4	2,062.07	1/4	2,421.76	1/4	2,781.54	1/4	3,115.34	1/4	3,336.63
1/2	300.32	1/2	650.34	1/2	995.87	1/2	1,351.58	1/2	1,710.04	1/2	2,069.56	1/2	2,429.25	1/2	2,789.03	1/2	3,119.94	1/2	3,341.20
3/4	307.83	3/4	657.53	3/4	1,003.37	3/4	1,359.08	3/4	1,717.49	3/4	2,077.05	3/4	2,436.75	3/4	2,796.53	3/4	3,124.55	3/4	3,345.76
10	315.33	10	664.71	10	1,010.88	10	1,366.57	10	1,724.95	10	2,084.53	10	2,444.24	10	2,804.02	10	3,129.16	10	3,350.33
1/4	322.84	1/4	671.89	1/4	1,018.38	1/4	1,374.07	1/4	1,732.40	1/4	2,092.02	1/4	2,451.74	1/4	2,811.52	1/4	3,133.77	1/4	3,354.87
1/2	330.34	1/2	679.08	1/2	1,025.88	1/2	1,381.56	1/2	1,739.86	1/2	2,099.51	1/2	2,459.24	1/2	2,819.01	1/2	3,138.38	1/2	3,359.42
3/4	337.85	3/4	686.26	3/4	1,033.38	3/4	1,389.06	3/4	1,747.31	3/4	2,107.00	3/4	2,466.73	3/4	2,826.51	3/4	3,142.99	3/4	3,363.96
11	345.36	11	693.44	11	1,040.88	11	1,396.55	11	1,754.77	11	2,114.48	11	2,474.23	11	2,834.01	11	3,147.60	11	3,368.51
1/4	352.86	1/4	700.63	1/4	1,048.38	1/4	1,404.05	1/4	1,762.23	1/4	2,121.98	1/4	2,481.72	1/4	2,841.50	1/4	3,152.20	1/4	3,373.03
1/2	360.37	1/2	707.81	1/2	1,055.89	1/2	1,411.55	1/2	1,769.68	1/2	2,129.47	1/2	2,489.22	1/2	2,849.00	1/2	3,156.81	1/2	3,377.55
3/4	367.87	3/4	714.99	3/4	1,063.39	3/4	1,419.05	3/4	1,777.14	3/4	2,136.96	3/4	2,496.71	3/4	2,856.49	3/4	3,161.42	3/4	3,382.07

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: (2" STANDPIPE) LOCATED 12'-06" OFF CENTERLINE AND 48'-06" 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 28713"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,386.59	0	3,596.80	0	3,794.00	0	3,978.53	0		0		0		0		0		0	
1/4	3,391.09	1/4	3,601.04	1/4	3,797.97	1/4	3,982.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,395.59	1/2	3,605.29	1/2	3,801.93	1/2	3,985.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,400.08	3/4	3,609.53	3/4	3,805.89	3/4	3,989.63	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,404.58	1	3,613.77	1	3,809.86	1	3,993.33	1		1		1		1		1		1	
1/4	3,409.06	1/4	3,617.99	1/4	3,813.80	1/4	3,996.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,413.54	1/2	3,622.20	1/2	3,817.75	1/2	4,000.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,418.01	3/4	3,626.41	3/4	3,821.70	3/4	4,004.21	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,422.49	2	3,630.63	2	3,825.64	2	4,007.83	2		2		2		2		2		2	
1/4	3,426.95	1/4	3,634.81	1/4	3,829.56	1/4	4,011.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,431.40	1/2	3,638.99	1/2	3,833.48	1/2	4,015.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,435.86	3/4	3,643.17	3/4	3,837.40	3/4	4,018.65	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,440.32	3	3,647.35	3	3,841.31	3	4,022.26	3		3		3		3		3		3	
1/4	3,444.76	1/4	3,651.51	1/4	3,845.21	1/4	4,025.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,449.20	1/2	3,655.67	1/2	3,849.11	1/2	4,029.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,453.63	3/4	3,659.83	3/4	3,853.00	3/4	4,033.03	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,458.07	4	3,663.99	4	3,856.90	4	4,036.62	4		4		4		4		4		4	
1/4	3,462.48	1/4	3,668.14	1/4	3,860.78	1/4	4,040.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,466.89	1/2	3,672.28	1/2	3,864.65	1/2	4,043.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,471.31	3/4	3,676.42	3/4	3,868.53	3/4	4,047.29	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,475.72	5	3,680.56	5	3,872.40	5	4,050.85	5		5		5		5		5		5	
1/4	3,480.10	1/4	3,684.68	1/4	3,876.26	1/4	4,053.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,484.49	1/2	3,688.79	1/2	3,880.12	1/2	4,056.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,488.88	3/4	3,692.91	3/4	3,883.97	3/4	4,059.58	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,493.27	6	3,697.02	6	3,887.83	6	4,062.49	6		6		6		6		6		6	
1/4	3,497.64	1/4	3,701.12	1/4	3,891.67	1/4	4,064.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,502.01	1/2	3,705.21	1/2	3,895.51	1/2	4,065.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,506.38	3/4	3,709.30	3/4	3,899.34	3/4	4,067.40	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,510.74	7	3,713.40	7	3,903.18	7	4,069.03	7		7		7		7		7		7	
1/4	3,515.09	1/4	3,717.47	1/4	3,906.99	1/4	4,069.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,519.44	1/2	3,721.54	1/2	3,910.80	1/2	4,069.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,523.79	3/4	3,725.62	3/4	3,914.61	3/4	4,070.12	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,528.14	8	3,729.69	8	3,918.42	8		8		8		8		8		8		8	
1/4	3,532.47	1/4	3,733.74	1/4	3,922.21	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,536.79	1/2	3,737.79	1/2	3,926.00	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,541.11	3/4	3,741.85	3/4	3,929.78	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,545.43	9	3,745.90	9	3,933.57	9		9		9		9		9		9		9	
1/4	3,549.74	1/4	3,749.94	1/4	3,937.34	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,554.04	1/2	3,753.97	1/2	3,941.11	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,558.34	3/4	3,758.01	3/4	3,944.87	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,562.64	10	3,762.04	10	3,948.64	10		10		10		10		10		10		10	
1/4	3,566.92	1/4	3,766.05	1/4	3,952.39	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,571.20	1/2	3,770.05	1/2	3,956.14	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,575.48	3/4	3,774.06	3/4	3,959.89	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,579.76	11	3,778.06	11	3,963.64	11		11		11		11		11		11		11	
1/4	3,584.02	1/4	3,782.05	1/4	3,967.36	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,588.28	1/2	3,786.03	1/2	3,971.08	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,592.54	3/4	3,790.02	3/4	3,974.80	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2016 SW
RECOMPUTED: 10/31/2022 CL
PRINTED: 10/31/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

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



BARGE "KIRBY 28713"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	17.89	0	375.57	0	726.14	0	1,086.11	0	1,446.68	0	1,804.70	0	2,163.75	0	2,523.77	0	2,883.81	0	3,185.76
1/4	24.74	1/4	382.60	1/4	733.63	1/4	1,093.63	1/4	1,454.20	1/4	1,812.05	1/4	2,171.25	1/4	2,531.27	1/4	2,891.32	1/4	3,190.36
1/2	31.60	1/2	389.63	1/2	741.12	1/2	1,101.14	1/2	1,461.71	1/2	1,819.40	1/2	2,178.75	1/2	2,538.77	1/2	2,898.82	1/2	3,194.95
3/4	38.45	3/4	396.66	3/4	748.61	3/4	1,108.65	3/4	1,469.22	3/4	1,826.75	3/4	2,186.25	3/4	2,546.27	3/4	2,906.32	3/4	3,199.55
1	45.30	1	403.68	1	756.10	1	1,116.17	1	1,476.73	1	1,834.10	1	2,193.75	1	2,553.77	1	2,913.82	1	3,204.14
1/4	52.79	1/4	410.71	1/4	763.59	1/4	1,123.68	1/4	1,484.25	1/4	1,841.45	1/4	2,201.25	1/4	2,561.28	1/4	2,921.32	1/4	3,208.75
1/2	60.29	1/2	417.74	1/2	771.08	1/2	1,131.19	1/2	1,491.76	1/2	1,848.81	1/2	2,208.76	1/2	2,568.78	1/2	2,928.82	1/2	3,213.35
3/4	67.78	3/4	424.77	3/4	778.57	3/4	1,138.70	3/4	1,499.27	3/4	1,856.16	3/4	2,216.26	3/4	2,576.28	3/4	2,936.32	3/4	3,217.96
2	75.27	2	431.79	2	786.06	2	1,146.22	2	1,506.78	2	1,863.51	2	2,223.76	2	2,583.78	2	2,943.82	2	3,222.56
1/4	82.78	1/4	438.82	1/4	793.55	1/4	1,153.73	1/4	1,514.29	1/4	1,871.02	1/4	2,231.26	1/4	2,591.28	1/4	2,951.32	1/4	3,227.17
1/2	90.28	1/2	445.85	1/2	801.04	1/2	1,161.24	1/2	1,521.81	1/2	1,878.53	1/2	2,238.76	1/2	2,598.78	1/2	2,958.82	1/2	3,231.77
3/4	97.78	3/4	452.88	3/4	808.53	3/4	1,168.76	3/4	1,529.32	3/4	1,886.05	3/4	2,246.27	3/4	2,606.28	3/4	2,966.32	3/4	3,236.38
3	105.29	3	459.90	3	816.02	3	1,176.27	3	1,536.83	3	1,893.56	3	2,253.77	3	2,613.78	3	2,973.83	3	3,240.98
1/4	112.79	1/4	466.93	1/4	823.51	1/4	1,183.78	1/4	1,544.34	1/4	1,901.07	1/4	2,261.27	1/4	2,621.28	1/4	2,981.33	1/4	3,245.59
1/2	120.30	1/2	473.96	1/2	831.00	1/2	1,191.29	1/2	1,551.85	1/2	1,908.58	1/2	2,268.76	1/2	2,628.78	1/2	2,988.83	1/2	3,250.19
3/4	127.81	3/4	480.99	3/4	838.49	3/4	1,198.81	3/4	1,559.37	3/4	1,916.09	3/4	2,276.26	3/4	2,636.28	3/4	2,996.33	3/4	3,254.80
4	135.32	4	488.01	4	845.98	4	1,206.32	4	1,566.88	4	1,923.61	4	2,283.76	4	2,643.79	4	3,003.83	4	3,259.40
1/4	142.82	1/4	495.04	1/4	853.47	1/4	1,213.83	1/4	1,574.39	1/4	1,931.12	1/4	2,291.25	1/4	2,651.29	1/4	3,011.33	1/4	3,264.00
1/2	150.33	1/2	502.07	1/2	860.96	1/2	1,221.35	1/2	1,581.90	1/2	1,938.63	1/2	2,298.75	1/2	2,658.79	1/2	3,018.83	1/2	3,268.61
3/4	157.84	3/4	509.10	3/4	868.45	3/4	1,228.86	3/4	1,589.41	3/4	1,946.14	3/4	2,306.25	3/4	2,666.29	3/4	3,026.33	3/4	3,273.21
5	165.35	5	516.12	5	875.94	5	1,236.37	5	1,596.93	5	1,953.65	5	2,313.75	5	2,673.79	5	3,033.83	5	3,277.82
1/4	172.86	1/4	523.63	1/4	883.43	1/4	1,243.88	1/4	1,604.44	1/4	1,961.17	1/4	2,321.25	1/4	2,681.29	1/4	3,041.34	1/4	3,282.42
1/2	180.36	1/2	531.14	1/2	890.92	1/2	1,251.40	1/2	1,611.95	1/2	1,968.68	1/2	2,328.75	1/2	2,688.79	1/2	3,048.84	1/2	3,287.03
3/4	187.87	3/4	538.65	3/4	898.41	3/4	1,258.91	3/4	1,619.46	3/4	1,976.19	3/4	2,336.25	3/4	2,696.29	3/4	3,056.34	3/4	3,291.63
6	195.38	6	546.16	6	905.90	6	1,266.42	6	1,626.97	6	1,983.70	6	2,343.75	6	2,703.79	6	3,063.84	6	3,296.24
1/4	202.89	1/4	553.66	1/4	913.39	1/4	1,273.94	1/4	1,634.49	1/4	1,991.21	1/4	2,351.25	1/4	2,711.29	1/4	3,071.34	1/4	3,300.84
1/2	210.40	1/2	561.17	1/2	920.88	1/2	1,281.45	1/2	1,642.00	1/2	1,998.73	1/2	2,358.75	1/2	2,718.79	1/2	3,078.84	1/2	3,305.45
3/4	217.90	3/4	568.68	3/4	928.37	3/4	1,288.96	3/4	1,649.51	3/4	2,006.24	3/4	2,366.25	3/4	2,726.30	3/4	3,086.35	3/4	3,310.05
7	225.41	7	576.19	7	935.86	7	1,296.47	7	1,657.02	7	2,013.75	7	2,373.75	7	2,733.80	7	3,093.85	7	3,314.66
1/4	232.92	1/4	583.69	1/4	943.37	1/4	1,303.99	1/4	1,664.53	1/4	2,021.26	1/4	2,381.25	1/4	2,741.30	1/4	3,098.44	1/4	3,319.25
1/2	240.43	1/2	591.20	1/2	950.88	1/2	1,311.50	1/2	1,672.05	1/2	2,028.77	1/2	2,388.76	1/2	2,748.80	1/2	3,103.04	1/2	3,323.85
3/4	247.94	3/4	598.71	3/4	958.39	3/4	1,319.01	3/4	1,679.56	3/4	2,036.27	3/4	2,396.26	3/4	2,756.30	3/4	3,107.63	3/4	3,328.44
8	255.44	8	606.22	8	965.91	8	1,326.53	8	1,687.07	8	2,043.78	8	2,403.76	8	2,763.80	8	3,112.23	8	3,333.03
1/4	262.95	1/4	613.73	1/4	973.42	1/4	1,334.04	1/4	1,694.58	1/4	2,051.29	1/4	2,411.26	1/4	2,771.30	1/4	3,116.83	1/4	3,337.61
1/2	270.46	1/2	621.24	1/2	980.93	1/2	1,341.55	1/2	1,701.77	1/2	2,058.80	1/2	2,418.76	1/2	2,778.80	1/2	3,121.42	1/2	3,342.18
3/4	277.97	3/4	628.76	3/4	988.45	3/4	1,349.07	3/4	1,709.12	3/4	2,066.31	3/4	2,426.26	3/4	2,786.30	3/4	3,126.02	3/4	3,346.75
9	285.48	9	636.27	9	995.96	9	1,356.58	9	1,716.63	9	2,073.82	9	2,433.76	9	2,793.80	9	3,130.61	9	3,351.33
1/4	292.99	1/4	643.78	1/4	1,003.47	1/4	1,364.09	1/4	1,724.14	1/4	2,081.33	1/4	2,441.26	1/4	2,801.30	1/4	3,135.21	1/4	3,355.88
1/2	300.49	1/2	651.29	1/2	1,010.98	1/2	1,371.59	1/2	1,731.65	1/2	2,088.84	1/2	2,448.76	1/2	2,808.81	1/2	3,139.80	1/2	3,360.43
3/4	308.00	3/4	658.79	3/4	1,018.50	3/4	1,379.10	3/4	1,738.53	3/4	2,096.29	3/4	2,456.26	3/4	2,816.31	3/4	3,144.40	3/4	3,364.98
10	315.51	10	666.23	10	1,026.01	10	1,386.61	10	1,745.88	10	2,103.79	10	2,463.76	10	2,823.81	10	3,149.00	10	3,369.53
1/4	323.02	1/4	673.74	1/4	1,033.52	1/4	1,394.11	1/4	1,753.23	1/4	2,111.28	1/4	2,471.26	1/4	2,831.31	1/4	3,153.59	1/4	3,374.07
1/2	330.53	1/2	681.25	1/2	1,041.04	1/2	1,401.62	1/2	1,760.59	1/2	2,118.77	1/2	2,478.77	1/2	2,838.81	1/2	3,158.19	1/2	3,378.60
3/4	338.03	3/4	688.76	3/4	1,048.55	3/4	1,409.13	3/4	1,767.94	3/4	2,126.26	3/4	2,486.27	3/4	2,846.31	3/4	3,162.78	3/4	3,383.13
11	345.54	11	696.19	11	1,056.06	11	1,416.63	11	1,775.29	11	2,133.76	11	2,493.77	11	2,853.81	11	3,167.38	11	3,387.67
1/4	353.05	1/4	703.68	1/4	1,063.58	1/4	1,424.15	1/4	1,782.64	1/4	2,141.26	1/4	2,501.27	1/4	2,861.31	1/4	3,171.97	1/4	3,392.17
1/2	360.56	1/2	711.16	1/2	1,071.09	1/2	1,431.66	1/2	1,789.99	1/2	2,148.76	1/2	2,508.77	1/2	2,868.81	1/2	3,176.57	1/2	3,396.68
3/4	368.07	3/4	718.65	3/4	1,078.60	3/4	1,439.17	3/4	1,797.34	3/4	2,156.26	3/4	2,516.27	3/4	2,876.31	3/4	3,181.17	3/4	3,401.19

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER STANDPIPE.
 GAUGE POINT: (2" STANDPIPE) LOCATED 12'-06" OFF CENTERLINE AND 48'-06" 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 28713"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,405.69	0	3,615.29	0	3,811.89	0	3,995.83	0		0		0		0		0		0	
1/4	3,410.18	1/4	3,619.52	1/4	3,815.84	1/4	3,999.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,414.66	1/2	3,623.75	1/2	3,819.79	1/2	4,003.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,419.15	3/4	3,627.98	3/4	3,823.75	3/4	4,006.89	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,423.64	1	3,632.21	1	3,827.70	1	4,010.58	1		1		1		1		1		1	
1/4	3,428.10	1/4	3,636.41	1/4	3,831.63	1/4	4,014.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,432.56	1/2	3,640.61	1/2	3,835.56	1/2	4,017.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,437.03	3/4	3,644.81	3/4	3,839.50	3/4	4,021.42	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,441.49	2	3,649.02	2	3,843.43	2	4,025.04	2		2		2		2		2		2	
1/4	3,445.94	1/4	3,653.18	1/4	3,847.34	1/4	4,028.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,450.38	1/2	3,657.35	1/2	3,851.24	1/2	4,032.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,454.82	3/4	3,661.52	3/4	3,855.15	3/4	4,035.82	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,459.27	3	3,665.69	3	3,859.05	3	4,039.41	3		3		3		3		3		3	
1/4	3,463.69	1/4	3,669.84	1/4	3,862.94	1/4	4,042.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,468.12	1/2	3,673.99	1/2	3,866.82	1/2	4,046.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,472.55	3/4	3,678.13	3/4	3,870.71	3/4	4,050.14	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,476.97	4	3,682.28	4	3,874.59	4	4,053.72	4		4		4		4		4		4	
1/4	3,481.37	1/4	3,686.41	1/4	3,878.45	1/4	4,057.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,485.77	1/2	3,690.54	1/2	3,882.32	1/2	4,060.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,490.17	3/4	3,694.67	3/4	3,886.18	3/4	4,064.36	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,494.56	5	3,698.80	5	3,890.04	5	4,067.91	5		5		5		5		5		5	
1/4	3,498.94	1/4	3,702.90	1/4	3,893.89	1/4	4,070.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,503.32	1/2	3,707.01	1/2	3,897.73	1/2	4,073.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,507.69	3/4	3,711.11	3/4	3,901.58	3/4	4,076.60	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,512.07	6	3,715.21	6	3,905.42	6	4,079.50	6		6		6		6		6		6	
1/4	3,516.42	1/4	3,719.29	1/4	3,909.25	1/4	4,081.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,520.78	1/2	3,723.37	1/2	3,913.07	1/2	4,082.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,525.13	3/4	3,727.45	3/4	3,916.90	3/4	4,084.38	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,529.49	7	3,731.54	7	3,920.73	7	4,086.01	7		7		7		7		7		7	
1/4	3,533.83	1/4	3,735.60	1/4	3,924.52	1/4	4,086.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,538.16	1/2	3,739.66	1/2	3,928.32	1/2	4,086.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,542.50	3/4	3,743.72	3/4	3,932.12	3/4	4,087.08	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,546.84	8	3,747.78	8	3,935.91	8		8		8		8		8		8		8	
1/4	3,551.15	1/4	3,751.82	1/4	3,939.69	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,555.46	1/2	3,755.86	1/2	3,943.47	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,559.77	3/4	3,759.90	3/4	3,947.24	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,564.08	9	3,763.94	9	3,951.02	9		9		9		9		9		9		9	
1/4	3,568.37	1/4	3,767.96	1/4	3,954.77	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,572.65	1/2	3,771.98	1/2	3,958.53	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,576.94	3/4	3,776.01	3/4	3,962.28	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,581.23	10	3,780.03	10	3,966.04	10		10		10		10		10		10		10	
1/4	3,585.50	1/4	3,784.02	1/4	3,969.77	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,589.77	1/2	3,788.02	1/2	3,973.51	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,594.03	3/4	3,792.01	3/4	3,977.25	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,598.30	11	3,796.00	11	3,980.98	11		11		11		11		11		11		11	
1/4	3,602.55	1/4	3,799.97	1/4	3,984.69	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,606.80	1/2	3,803.95	1/2	3,988.41	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,611.04	3/4	3,807.92	3/4	3,992.12	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2016 SW
RECOMPUTED: 10/31/2022 CL
PRINTED: 10/31/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

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



BARGE "KIRBY 28713"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT: 7'-00 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	2,337	0	4,673	0	7,010	0	9,346	0	11,683	0	14,019	0		0		0	
1/4	49	1/4	2,385	1/4	4,722	1/4	7,058	1/4	9,395	1/4	11,732	1/4		1/4	1/4		1/4	1/4	
1/2	97	1/2	2,434	1/2	4,771	1/2	7,107	1/2	9,444	1/2	11,780	1/2		1/2	1/2		1/2	1/2	
3/4	146	3/4	2,483	3/4	4,819	3/4	7,156	3/4	9,492	3/4	11,829	3/4		3/4	3/4		3/4	3/4	
1	195	1	2,531	1	4,868	1	7,204	1	9,541	1	11,878	1	1	1	1	1	1	1	1
1/4	243	1/4	2,580	1/4	4,917	1/4	7,253	1/4	9,590	1/4	11,926	1/4		1/4	1/4		1/4	1/4	
1/2	292	1/2	2,629	1/2	4,965	1/2	7,302	1/2	9,638	1/2	11,975	1/2		1/2	1/2		1/2	1/2	
3/4	341	3/4	2,677	3/4	5,014	3/4	7,350	3/4	9,687	3/4	12,024	3/4		3/4	3/4		3/4	3/4	
2	389	2	2,726	2	5,063	2	7,399	2	9,736	2	12,072	2	2	2	2	2	2	2	2
1/4	438	1/4	2,775	1/4	5,111	1/4	7,448	1/4	9,784	1/4	12,121	1/4		1/4	1/4		1/4	1/4	
1/2	487	1/2	2,823	1/2	5,160	1/2	7,497	1/2	9,833	1/2	12,170	1/2		1/2	1/2		1/2	1/2	
3/4	535	3/4	2,872	3/4	5,209	3/4	7,545	3/4	9,882	3/4	12,218	3/4		3/4	3/4		3/4	3/4	
3	584	3	2,921	3	5,257	3	7,594	3	9,930	3	12,267	3	3	3	3	3	3	3	3
1/4	633	1/4	2,969	1/4	5,306	1/4	7,643	1/4	9,979	1/4	12,316	1/4		1/4	1/4		1/4	1/4	
1/2	682	1/2	3,018	1/2	5,355	1/2	7,691	1/2	10,028	1/2	12,364	1/2		1/2	1/2		1/2	1/2	
3/4	730	3/4	3,067	3/4	5,403	3/4	7,740	3/4	10,076	3/4	12,413	3/4		3/4	3/4		3/4	3/4	
4	779	4	3,115	4	5,452	4	7,789	4	10,125	4	12,462	4	4	4	4	4	4	4	4
1/4	828	1/4	3,164	1/4	5,501	1/4	7,837	1/4	10,174	1/4	12,510	1/4		1/4	1/4		1/4	1/4	
1/2	876	1/2	3,213	1/2	5,549	1/2	7,886	1/2	10,223	1/2	12,559	1/2		1/2	1/2		1/2	1/2	
3/4	925	3/4	3,261	3/4	5,598	3/4	7,935	3/4	10,271	3/4	12,608	3/4		3/4	3/4		3/4	3/4	
5	974	5	3,310	5	5,647	5	7,983	5	10,320	5	12,656	5	5	5	5	5	5	5	5
1/4	1,022	1/4	3,359	1/4	5,695	1/4	8,032	1/4	10,369	1/4	12,705	1/4		1/4	1/4		1/4	1/4	
1/2	1,071	1/2	3,408	1/2	5,744	1/2	8,081	1/2	10,417	1/2	12,754	1/2		1/2	1/2		1/2	1/2	
3/4	1,120	3/4	3,456	3/4	5,793	3/4	8,129	3/4	10,466	3/4	12,802	3/4		3/4	3/4		3/4	3/4	
6	1,168	6	3,505	6	5,841	6	8,178	6	10,515	6	12,851	6	6	6	6	6	6	6	6
1/4	1,217	1/4	3,554	1/4	5,890	1/4	8,227	1/4	10,563	1/4	12,900	1/4		1/4	1/4		1/4	1/4	
1/2	1,266	1/2	3,602	1/2	5,939	1/2	8,275	1/2	10,612	1/2	12,949	1/2		1/2	1/2		1/2	1/2	
3/4	1,314	3/4	3,651	3/4	5,987	3/4	8,324	3/4	10,661	3/4	12,997	3/4		3/4	3/4		3/4	3/4	
7	1,363	7	3,700	7	6,036	7	8,373	7	10,709	7	13,046	7	7	7	7	7	7	7	7
1/4	1,412	1/4	3,748	1/4	6,085	1/4	8,421	1/4	10,758	1/4	13,095	1/4		1/4	1/4		1/4	1/4	
1/2	1,460	1/2	3,797	1/2	6,134	1/2	8,470	1/2	10,807	1/2	13,143	1/2		1/2	1/2		1/2	1/2	
3/4	1,509	3/4	3,846	3/4	6,182	3/4	8,519	3/4	10,855	3/4	13,192	3/4		3/4	3/4		3/4	3/4	
8	1,558	8	3,894	8	6,231	8	8,567	8	10,904	8	13,241	8	8	8	8	8	8	8	8
1/4	1,606	1/4	3,943	1/4	6,280	1/4	8,616	1/4	10,953	1/4	13,289	1/4		1/4	1/4		1/4	1/4	
1/2	1,655	1/2	3,992	1/2	6,328	1/2	8,665	1/2	11,001	1/2	13,338	1/2		1/2	1/2		1/2	1/2	
3/4	1,704	3/4	4,040	3/4	6,377	3/4	8,713	3/4	11,050	3/4	13,387	3/4		3/4	3/4		3/4	3/4	
9	1,752	9	4,089	9	6,426	9	8,762	9	11,099	9	13,435	9	9	9	9	9	9	9	9
1/4	1,801	1/4	4,138	1/4	6,474	1/4	8,811	1/4	11,147	1/4	13,484	1/4		1/4	1/4		1/4	1/4	
1/2	1,850	1/2	4,186	1/2	6,523	1/2	8,860	1/2	11,196	1/2	13,533	1/2		1/2	1/2		1/2	1/2	
3/4	1,898	3/4	4,235	3/4	6,572	3/4	8,908	3/4	11,245	3/4	13,581	3/4		3/4	3/4		3/4	3/4	
10	1,947	10	4,284	10	6,620	10	8,957	10	11,293	10	13,630	10	10	10	10	10	10	10	10
1/4	1,996	1/4	4,332	1/4	6,669	1/4	9,006	1/4	11,342	1/4	13,679	1/4		1/4	1/4		1/4	1/4	
1/2	2,045	1/2	4,381	1/2	6,718	1/2	9,054	1/2	11,391	1/2	13,727	1/2		1/2	1/2		1/2	1/2	
3/4	2,093	3/4	4,430	3/4	6,766	3/4	9,103	3/4	11,439	3/4	13,776	3/4		3/4	3/4		3/4	3/4	
11	2,142	11	4,478	11	6,815	11	9,152	11	11,488	11	13,825	11	11	11	11	11	11	11	11
1/4	2,191	1/4	4,527	1/4	6,864	1/4	9,200	1/4	11,537	1/4	13,873	1/4		1/4	1/4		1/4	1/4	
1/2	2,239	1/2	4,576	1/2	6,912	1/2	9,249	1/2	11,586	1/2	13,922	1/2		1/2	1/2		1/2	1/2	
3/4	2,288	3/4	4,624	3/4	6,961	3/4	9,298	3/4	11,634	3/4	13,971	3/4		3/4	3/4		3/4	3/4	

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

STRAPPED: 11/04/2022 JS
 COMPUTED: 11/04/2022 CL
 PRINTED: 11/04/2022 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 11/2022

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