



# BARGE "KAYO"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 265-00"

April 7, 2017

PRECISION MEASUREMENT  
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# BARGE "KAYO"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	4.56	0	201.98	0	434.07	0	675.44	0	916.81	0	1,158.18	0	1,399.56	0	1,640.93	0	1,882.30	0	2,123.61
1/4	6.76	1/4	206.64	1/4	439.09	1/4	680.47	1/4	921.84	1/4	1,163.21	1/4	1,404.59	1/4	1,645.96	1/4	1,887.33	1/4	2,128.64
1/2	8.96	1/2	211.30	1/2	444.12	1/2	685.50	1/2	926.87	1/2	1,168.24	1/2	1,409.61	1/2	1,650.99	1/2	1,892.36	1/2	2,133.66
3/4	11.16	3/4	215.96	3/4	449.15	3/4	690.52	3/4	931.90	3/4	1,173.27	3/4	1,414.64	3/4	1,656.02	3/4	1,897.39	3/4	2,138.69
1	13.36	1	220.62	1	454.18	1	695.55	1	936.93	1	1,178.30	1	1,419.67	1	1,661.04	1	1,902.42	1	2,143.71
1/4	16.52	1/4	225.27	1/4	459.21	1/4	700.58	1/4	941.95	1/4	1,183.33	1/4	1,424.70	1/4	1,666.07	1/4	1,907.45	1/4	2,148.74
1/2	19.68	1/2	229.92	1/2	464.24	1/2	705.61	1/2	946.98	1/2	1,188.36	1/2	1,429.73	1/2	1,671.10	1/2	1,912.47	1/2	2,153.77
3/4	22.84	3/4	234.58	3/4	469.27	3/4	710.64	3/4	952.01	3/4	1,193.38	3/4	1,434.76	3/4	1,676.13	3/4	1,917.50	3/4	2,158.79
2	26.00	2	239.23	2	474.29	2	715.67	2	957.04	2	1,198.41	2	1,439.79	2	1,681.16	2	1,922.53	2	2,163.82
1/4	30.01	1/4	243.92	1/4	479.32	1/4	720.70	1/4	962.07	1/4	1,203.44	1/4	1,444.81	1/4	1,686.19	1/4	1,927.57	1/4	2,168.85
1/2	34.03	1/2	248.61	1/2	484.35	1/2	725.72	1/2	967.10	1/2	1,208.47	1/2	1,449.84	1/2	1,691.22	1/2	1,932.60	1/2	2,173.87
3/4	38.04	3/4	253.30	3/4	489.38	3/4	730.75	3/4	972.13	3/4	1,213.50	3/4	1,454.87	3/4	1,696.24	3/4	1,937.63	3/4	2,178.90
3	42.06	3	257.98	3	494.41	3	735.78	3	977.15	3	1,218.53	3	1,459.90	3	1,701.27	3	1,942.67	3	2,183.92
1/4	46.32	1/4	262.72	1/4	499.44	1/4	740.81	1/4	982.18	1/4	1,223.56	1/4	1,464.93	1/4	1,706.30	1/4	1,947.69	1/4	2,188.95
1/2	50.57	1/2	267.45	1/2	504.47	1/2	745.84	1/2	987.21	1/2	1,228.58	1/2	1,469.96	1/2	1,711.33	1/2	1,952.72	1/2	2,193.98
3/4	54.83	3/4	272.18	3/4	509.49	3/4	750.87	3/4	992.24	3/4	1,233.61	3/4	1,474.99	3/4	1,716.36	3/4	1,957.75	3/4	2,199.00
4	59.09	4	276.91	4	514.52	4	755.90	4	997.27	4	1,238.64	4	1,480.01	4	1,721.39	4	1,962.77	4	2,204.03
1/4	63.41	1/4	281.69	1/4	519.55	1/4	760.92	1/4	1,002.30	1/4	1,243.67	1/4	1,485.04	1/4	1,726.42	1/4	1,967.80	1/4	2,209.06
1/2	67.72	1/2	286.46	1/2	524.58	1/2	765.95	1/2	1,007.33	1/2	1,248.70	1/2	1,490.07	1/2	1,731.44	1/2	1,972.82	1/2	2,214.08
3/4	72.04	3/4	291.24	3/4	529.61	3/4	770.98	3/4	1,012.35	3/4	1,253.73	3/4	1,495.10	3/4	1,736.47	3/4	1,977.85	3/4	2,219.11
5	76.35	5	296.01	5	534.64	5	776.01	5	1,017.38	5	1,258.76	5	1,500.13	5	1,741.50	5	1,982.88	5	2,224.13
1/4	80.71	1/4	300.83	1/4	539.67	1/4	781.04	1/4	1,022.41	1/4	1,263.78	1/4	1,505.16	1/4	1,746.53	1/4	1,987.90	1/4	2,229.16
1/2	85.07	1/2	305.65	1/2	544.70	1/2	786.07	1/2	1,027.44	1/2	1,268.81	1/2	1,510.19	1/2	1,751.56	1/2	1,992.93	1/2	2,234.19
3/4	89.43	3/4	310.46	3/4	549.72	3/4	791.10	3/4	1,032.47	3/4	1,273.84	3/4	1,515.21	3/4	1,756.59	3/4	1,997.95	3/4	2,239.21
6	93.78	6	315.28	6	554.75	6	796.13	6	1,037.50	6	1,278.87	6	1,520.24	6	1,761.62	6	2,002.98	6	2,244.24
1/4	98.18	1/4	320.14	1/4	559.78	1/4	801.15	1/4	1,042.53	1/4	1,283.90	1/4	1,525.27	1/4	1,766.64	1/4	2,008.01	1/4	2,249.26
1/2	102.59	1/2	325.00	1/2	564.81	1/2	806.18	1/2	1,047.56	1/2	1,288.93	1/2	1,530.30	1/2	1,771.67	1/2	2,013.03	1/2	2,254.29
3/4	106.99	3/4	329.86	3/4	569.84	3/4	811.21	3/4	1,052.58	3/4	1,293.96	3/4	1,535.33	3/4	1,776.70	3/4	2,018.06	3/4	2,259.32
7	111.39	7	334.72	7	574.87	7	816.24	7	1,057.61	7	1,298.99	7	1,540.36	7	1,781.73	7	2,023.09	7	2,264.34
1/4	115.83	1/4	339.63	1/4	579.90	1/4	821.27	1/4	1,062.64	1/4	1,304.01	1/4	1,545.39	1/4	1,786.76	1/4	2,028.11	1/4	2,269.37
1/2	120.28	1/2	344.53	1/2	584.92	1/2	826.30	1/2	1,067.67	1/2	1,309.04	1/2	1,550.42	1/2	1,791.79	1/2	2,033.14	1/2	2,274.40
3/4	124.72	3/4	349.44	3/4	589.95	3/4	831.33	3/4	1,072.70	3/4	1,314.07	3/4	1,555.44	3/4	1,796.82	3/4	2,038.16	3/4	2,279.42
8	129.16	8	354.34	8	594.98	8	836.35	8	1,077.73	8	1,319.10	8	1,560.47	8	1,801.85	8	2,043.19	8	2,284.45
1/4	133.65	1/4	359.29	1/4	600.01	1/4	841.38	1/4	1,082.76	1/4	1,324.13	1/4	1,565.50	1/4	1,806.87	1/4	2,048.22	1/4	2,289.47
1/2	138.14	1/2	364.23	1/2	605.04	1/2	846.41	1/2	1,087.78	1/2	1,329.16	1/2	1,570.53	1/2	1,811.90	1/2	2,053.24	1/2	2,294.50
3/4	142.62	3/4	369.18	3/4	610.07	3/4	851.44	3/4	1,092.81	3/4	1,334.19	3/4	1,575.56	3/4	1,816.93	3/4	2,058.27	3/4	2,299.53
9	147.11	9	374.12	9	615.10	9	856.47	9	1,097.84	9	1,339.21	9	1,580.59	9	1,821.96	9	2,063.30	9	2,304.55
1/4	151.64	1/4	379.10	1/4	620.12	1/4	861.50	1/4	1,102.87	1/4	1,344.24	1/4	1,585.62	1/4	1,826.99	1/4	2,068.32	1/4	2,309.58
1/2	156.17	1/2	384.08	1/2	625.15	1/2	866.53	1/2	1,107.90	1/2	1,349.27	1/2	1,590.64	1/2	1,832.02	1/2	2,073.35	1/2	2,314.61
3/4	160.70	3/4	389.06	3/4	630.18	3/4	871.55	3/4	1,112.93	3/4	1,354.30	3/4	1,595.67	3/4	1,837.05	3/4	2,078.37	3/4	2,319.63
10	165.23	10	394.04	10	635.21	10	876.58	10	1,117.96	10	1,359.33	10	1,600.70	10	1,842.07	10	2,083.40	10	2,324.66
1/4	169.80	1/4	399.02	1/4	640.24	1/4	881.61	1/4	1,122.98	1/4	1,364.36	1/4	1,605.73	1/4	1,847.10	1/4	2,088.43	1/4	2,329.68
1/2	174.37	1/2	404.01	1/2	645.27	1/2	886.64	1/2	1,128.01	1/2	1,369.39	1/2	1,610.76	1/2	1,852.13	1/2	2,093.45	1/2	2,334.71
3/4	178.95	3/4	408.99	3/4	650.30	3/4	891.67	3/4	1,133.04	3/4	1,374.41	3/4	1,615.79	3/4	1,857.16	3/4	2,098.48	3/4	2,339.74
11	183.52	11	413.97	11	655.32	11	896.70	11	1,138.07	11	1,379.44	11	1,620.82	11	1,862.19	11	2,103.51	11	2,344.76
1/4	188.14	1/4	419.00	1/4	660.35	1/4	901.73	1/4	1,143.10	1/4	1,384.47	1/4	1,625.84	1/4	1,867.22	1/4	2,108.53	1/4	2,349.79
1/2	192.75	1/2	424.02	1/2	665.38	1/2	906.75	1/2	1,148.13	1/2	1,389.50	1/2	1,630.87	1/2	1,872.25	1/2	2,113.56	1/2	2,354.82
3/4	197.37	3/4	429.04	3/4	670.41	3/4	911.78	3/4	1,153.16	3/4	1,394.53	3/4	1,635.90	3/4	1,877.27	3/4	2,118.58	3/4	2,359.84

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF THE "MMC" VALVE.  
 GAUGE POINT: (MMC) LOCATED 14'-06" OFF CENTERLINE AND 24'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
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# BARGE "KAYO"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,364.87	0	2,606.13	0	2,846.96	0	3,085.89	0		0		0		0		0		0	
1/4	2,369.89	1/4	2,611.15	1/4	2,851.97	1/4	3,090.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,374.92	1/2	2,616.18	1/2	2,856.99	1/2	3,094.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,379.95	3/4	2,621.20	3/4	2,862.00	3/4	3,098.23	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,384.97	1	2,626.23	1	2,867.01	1	3,102.35	1		1		1		1		1		1	
1/4	2,390.00	1/4	2,631.26	1/4	2,872.02	1/4	3,105.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,395.02	1/2	2,636.28	1/2	2,877.03	1/2	3,109.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,400.05	3/4	2,641.31	3/4	2,882.04	3/4	3,113.26	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,405.08	2	2,646.33	2	2,887.05	2	3,116.90	2		2		2		2		2		2	
1/4	2,410.10	1/4	2,651.36	1/4	2,892.06	1/4	3,120.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,415.13	1/2	2,656.39	1/2	2,897.07	1/2	3,123.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,420.16	3/4	2,661.41	3/4	2,902.09	3/4	3,126.37	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,425.18	3	2,666.44	3	2,907.10	3	3,129.53	3		3		3		3		3		3	
1/4	2,430.21	1/4	2,671.47	1/4	2,912.11	1/4	3,132.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,435.23	1/2	2,676.49	1/2	2,917.12	1/2	3,134.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,440.26	3/4	2,681.52	3/4	2,922.13	3/4	3,137.57	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,445.29	4	2,686.54	4	2,927.14	4		4		4		4		4		4		4	
1/4	2,450.31	1/4	2,691.57	1/4	2,932.15	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,455.34	1/2	2,696.60	1/2	2,937.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,460.37	3/4	2,701.62	3/4	2,942.17	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,465.39	5	2,706.65	5	2,947.19	5		5		5		5		5		5		5	
1/4	2,470.42	1/4	2,711.66	1/4	2,952.20	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,475.44	1/2	2,716.67	1/2	2,957.21	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,480.47	3/4	2,721.69	3/4	2,962.22	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,485.50	6	2,726.70	6	2,967.24	6		6		6		6		6		6		6	
1/4	2,490.52	1/4	2,731.71	1/4	2,972.25	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,495.55	1/2	2,736.72	1/2	2,977.26	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,500.57	3/4	2,741.73	3/4	2,982.28	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,505.60	7	2,746.74	7	2,987.29	7		7		7		7		7		7		7	
1/4	2,510.63	1/4	2,751.75	1/4	2,992.30	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,515.65	1/2	2,756.76	1/2	2,997.32	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,520.68	3/4	2,761.78	3/4	3,002.33	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,525.71	8	2,766.79	8	3,007.34	8		8		8		8		8		8		8	
1/4	2,530.73	1/4	2,771.80	1/4	3,012.36	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,535.76	1/2	2,776.81	1/2	3,017.37	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,540.78	3/4	2,781.82	3/4	3,022.39	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,545.81	9	2,786.83	9	3,027.40	9		9		9		9		9		9		9	
1/4	2,550.84	1/4	2,791.84	1/4	3,032.41	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,555.86	1/2	2,796.85	1/2	3,037.43	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,560.89	3/4	2,801.86	3/4	3,042.44	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,565.92	10	2,806.88	10	3,047.45	10		10		10		10		10		10		10	
1/4	2,570.94	1/4	2,811.89	1/4	3,052.47	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,575.97	1/2	2,816.90	1/2	3,057.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,580.99	3/4	2,821.91	3/4	3,062.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,586.02	11	2,826.92	11	3,067.51	11		11		11		11		11		11		11	
1/4	2,591.05	1/4	2,831.93	1/4	3,072.10	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,596.07	1/2	2,836.94	1/2	3,076.70	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,601.10	3/4	2,841.95	3/4	3,081.29	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/09/2017 SW  
CALCULATED: 03/09/2017 CL  
PRINTED: 04/8/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2017

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "KAYO"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	4.55	0	201.40	0	434.41	0	675.10	0	915.78	0	1,156.47	0	1,397.16	0	1,637.84	0	1,878.53	0	2,119.10
1/4	6.74	1/4	206.05	1/4	439.43	1/4	680.11	1/4	920.80	1/4	1,161.49	1/4	1,402.17	1/4	1,642.86	1/4	1,883.54	1/4	2,124.11
1/2	8.93	1/2	210.69	1/2	444.44	1/2	685.13	1/2	925.81	1/2	1,166.50	1/2	1,407.19	1/2	1,647.87	1/2	1,888.56	1/2	2,129.12
3/4	11.13	3/4	215.34	3/4	449.45	3/4	690.14	3/4	930.83	3/4	1,171.51	3/4	1,412.20	3/4	1,652.89	3/4	1,893.57	3/4	2,134.13
1	13.32	1	219.98	1	454.47	1	695.16	1	935.84	1	1,176.53	1	1,417.21	1	1,657.90	1	1,898.59	1	2,139.15
1/4	16.47	1/4	224.66	1/4	459.48	1/4	700.17	1/4	940.86	1/4	1,181.54	1/4	1,422.23	1/4	1,662.92	1/4	1,903.60	1/4	2,144.16
1/2	19.62	1/2	229.33	1/2	464.50	1/2	705.18	1/2	945.87	1/2	1,186.56	1/2	1,427.24	1/2	1,667.93	1/2	1,908.62	1/2	2,149.17
3/4	22.77	3/4	234.01	3/4	469.51	3/4	710.20	3/4	950.88	3/4	1,191.57	3/4	1,432.26	3/4	1,672.94	3/4	1,913.63	3/4	2,154.18
2	25.92	2	238.68	2	474.53	2	715.21	2	955.90	2	1,196.59	2	1,437.27	2	1,677.96	2	1,918.64	2	2,159.19
1/4	29.92	1/4	243.40	1/4	479.54	1/4	720.23	1/4	960.91	1/4	1,201.60	1/4	1,442.29	1/4	1,682.97	1/4	1,923.65	1/4	2,164.20
1/2	33.93	1/2	248.11	1/2	484.55	1/2	725.24	1/2	965.93	1/2	1,206.61	1/2	1,447.30	1/2	1,687.99	1/2	1,928.66	1/2	2,169.22
3/4	37.93	3/4	252.83	3/4	489.57	3/4	730.26	3/4	970.94	3/4	1,211.63	3/4	1,452.31	3/4	1,693.00	3/4	1,933.67	3/4	2,174.23
3	41.94	3	257.54	3	494.58	3	735.27	3	975.96	3	1,216.64	3	1,457.33	3	1,698.02	3	1,938.68	3	2,179.24
1/4	46.18	1/4	262.30	1/4	499.60	1/4	740.28	1/4	980.97	1/4	1,221.66	1/4	1,462.34	1/4	1,703.03	1/4	1,943.69	1/4	2,184.25
1/2	50.43	1/2	267.06	1/2	504.61	1/2	745.30	1/2	985.98	1/2	1,226.67	1/2	1,467.36	1/2	1,708.04	1/2	1,948.70	1/2	2,189.26
3/4	54.67	3/4	271.82	3/4	509.63	3/4	750.31	3/4	991.00	3/4	1,231.69	3/4	1,472.37	3/4	1,713.06	3/4	1,953.71	3/4	2,194.27
4	58.92	4	276.57	4	514.64	4	755.33	4	996.01	4	1,236.70	4	1,477.39	4	1,718.07	4	1,958.72	4	2,199.29
1/4	63.22	1/4	281.38	1/4	519.65	1/4	760.34	1/4	1,001.03	1/4	1,241.71	1/4	1,482.40	1/4	1,723.09	1/4	1,963.74	1/4	2,204.30
1/2	67.53	1/2	286.18	1/2	524.67	1/2	765.36	1/2	1,006.04	1/2	1,246.73	1/2	1,487.41	1/2	1,728.10	1/2	1,968.75	1/2	2,209.31
3/4	71.83	3/4	290.98	3/4	529.68	3/4	770.37	3/4	1,011.06	3/4	1,251.74	3/4	1,492.43	3/4	1,733.12	3/4	1,973.76	3/4	2,214.32
5	76.13	5	295.78	5	534.70	5	775.38	5	1,016.07	5	1,256.76	5	1,497.44	5	1,738.13	5	1,978.77	5	2,219.33
1/4	80.48	1/4	300.62	1/4	539.71	1/4	780.40	1/4	1,021.08	1/4	1,261.77	1/4	1,502.46	1/4	1,743.14	1/4	1,983.78	1/4	2,224.34
1/2	84.82	1/2	305.47	1/2	544.73	1/2	785.41	1/2	1,026.10	1/2	1,266.79	1/2	1,507.47	1/2	1,748.16	1/2	1,988.80	1/2	2,229.36
3/4	89.17	3/4	310.31	3/4	549.74	3/4	790.43	3/4	1,031.11	3/4	1,271.80	3/4	1,512.49	3/4	1,753.17	3/4	1,993.81	3/4	2,234.37
6	93.51	6	315.15	6	554.75	6	795.44	6	1,036.13	6	1,276.81	6	1,517.50	6	1,758.19	6	1,998.82	6	2,239.38
1/4	97.90	1/4	320.04	1/4	559.77	1/4	800.46	1/4	1,041.14	1/4	1,281.83	1/4	1,522.51	1/4	1,763.20	1/4	2,003.83	1/4	2,244.39
1/2	102.29	1/2	324.93	1/2	564.78	1/2	805.47	1/2	1,046.16	1/2	1,286.84	1/2	1,527.53	1/2	1,768.22	1/2	2,008.84	1/2	2,249.40
3/4	106.68	3/4	329.81	3/4	569.80	3/4	810.48	3/4	1,051.17	3/4	1,291.86	3/4	1,532.54	3/4	1,773.23	3/4	2,013.85	3/4	2,254.42
7	111.07	7	334.70	7	574.81	7	815.50	7	1,056.18	7	1,296.87	7	1,537.56	7	1,778.24	7	2,018.87	7	2,259.43
1/4	115.50	1/4	339.63	1/4	579.83	1/4	820.51	1/4	1,061.20	1/4	1,301.89	1/4	1,542.57	1/4	1,783.26	1/4	2,023.88	1/4	2,264.44
1/2	119.93	1/2	344.56	1/2	584.84	1/2	825.53	1/2	1,066.21	1/2	1,306.90	1/2	1,547.59	1/2	1,788.27	1/2	2,028.89	1/2	2,269.45
3/4	124.36	3/4	349.49	3/4	589.85	3/4	830.54	3/4	1,071.23	3/4	1,311.91	3/4	1,552.60	3/4	1,793.29	3/4	2,033.90	3/4	2,274.46
8	128.79	8	354.42	8	594.87	8	835.56	8	1,076.24	8	1,316.93	8	1,557.61	8	1,798.30	8	2,038.91	8	2,279.47
1/4	133.27	1/4	359.39	1/4	599.88	1/4	840.57	1/4	1,081.26	1/4	1,321.94	1/4	1,562.63	1/4	1,803.32	1/4	2,043.92	1/4	2,284.49
1/2	137.74	1/2	364.36	1/2	604.90	1/2	845.58	1/2	1,086.27	1/2	1,326.96	1/2	1,567.64	1/2	1,808.33	1/2	2,048.94	1/2	2,289.50
3/4	142.21	3/4	369.33	3/4	609.91	3/4	850.60	3/4	1,091.28	3/4	1,331.97	3/4	1,572.66	3/4	1,813.34	3/4	2,053.95	3/4	2,294.51
9	146.69	9	374.30	9	614.93	9	855.61	9	1,096.30	9	1,336.99	9	1,577.67	9	1,818.36	9	2,058.96	9	2,299.52
1/4	151.20	1/4	379.31	1/4	619.94	1/4	860.63	1/4	1,101.31	1/4	1,342.00	1/4	1,582.69	1/4	1,823.37	1/4	2,063.97	1/4	2,304.53
1/2	155.72	1/2	384.31	1/2	624.96	1/2	865.64	1/2	1,106.33	1/2	1,347.01	1/2	1,587.70	1/2	1,828.39	1/2	2,068.98	1/2	2,309.54
3/4	160.24	3/4	389.32	3/4	629.97	3/4	870.66	3/4	1,111.34	3/4	1,352.03	3/4	1,592.71	3/4	1,833.40	3/4	2,073.99	3/4	2,314.56
10	164.75	10	394.32	10	634.98	10	875.67	10	1,116.36	10	1,357.04	10	1,597.73	10	1,838.42	10	2,079.01	10	2,319.57
1/4	169.31	1/4	399.33	1/4	640.00	1/4	880.68	1/4	1,121.37	1/4	1,362.06	1/4	1,602.74	1/4	1,843.43	1/4	2,084.02	1/4	2,324.58
1/2	173.87	1/2	404.34	1/2	645.01	1/2	885.70	1/2	1,126.39	1/2	1,367.07	1/2	1,607.76	1/2	1,848.44	1/2	2,089.03	1/2	2,329.59
3/4	178.43	3/4	409.35	3/4	650.03	3/4	890.71	3/4	1,131.40	3/4	1,372.09	3/4	1,612.77	3/4	1,853.46	3/4	2,094.04	3/4	2,334.60
11	182.99	11	414.36	11	655.04	11	895.73	11	1,136.41	11	1,377.10	11	1,617.79	11	1,858.47	11	2,099.05	11	2,339.61
1/4	187.60	1/4	419.37	1/4	660.06	1/4	900.74	1/4	1,141.43	1/4	1,382.11	1/4	1,622.80	1/4	1,863.49	1/4	2,104.06	1/4	2,344.63
1/2	192.20	1/2	424.38	1/2	665.07	1/2	905.76	1/2	1,146.44	1/2	1,387.13	1/2	1,627.82	1/2	1,868.50	1/2	2,109.08	1/2	2,349.64
3/4	196.80	3/4	429.40	3/4	670.08	3/4	910.77	3/4	1,151.46	3/4	1,392.14	3/4	1,632.83	3/4	1,873.52	3/4	2,114.09	3/4	2,354.65

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF THE "MMC" VALVE.  
 GAUGE POINT: (MMC) LOCATED 14'-06" OFF CENTERLINE AND 24'-03" FORWARD OF AFT BULKHEAD.

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



# BARGE "KAYO"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	2,359.66	0	2,600.22	0	2,840.38	0	3,078.61	0		0		0		0		0		0	
1/4	2,364.67	1/4	2,605.23	1/4	2,845.37	1/4	3,082.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,369.68	1/2	2,610.25	1/2	2,850.37	1/2	3,086.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,374.70	3/4	2,615.26	3/4	2,855.37	3/4	3,090.93	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,379.71	1	2,620.27	1	2,860.36	1	3,095.03	1		1		1		1		1		1	
1/4	2,384.72	1/4	2,625.28	1/4	2,865.36	1/4	3,098.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,389.73	1/2	2,630.29	1/2	2,870.36	1/2	3,102.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,394.74	3/4	2,635.30	3/4	2,875.35	3/4	3,105.91	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,399.75	2	2,640.32	2	2,880.35	2	3,109.54	2		2		2		2		2		2	
1/4	2,404.77	1/4	2,645.33	1/4	2,885.35	1/4	3,112.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,409.78	1/2	2,650.34	1/2	2,890.34	1/2	3,115.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,414.79	3/4	2,655.35	3/4	2,895.34	3/4	3,118.98	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,419.80	3	2,660.36	3	2,900.34	3	3,122.13	3		3		3		3		3		3	
1/4	2,424.81	1/4	2,665.37	1/4	2,905.33	1/4	3,124.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,429.82	1/2	2,670.39	1/2	2,910.33	1/2	3,127.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,434.84	3/4	2,675.40	3/4	2,915.33	3/4	3,130.14	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,439.85	4	2,680.41	4	2,920.32	4		4		4		4		4		4		4	
1/4	2,444.86	1/4	2,685.42	1/4	2,925.32	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,449.87	1/2	2,690.43	1/2	2,930.32	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,454.88	3/4	2,695.44	3/4	2,935.31	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,459.89	5	2,700.46	5	2,940.31	5		5		5		5		5		5		5	
1/4	2,464.91	1/4	2,705.46	1/4	2,945.31	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,469.92	1/2	2,710.46	1/2	2,950.31	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,474.93	3/4	2,715.46	3/4	2,955.31	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,479.94	6	2,720.46	6	2,960.30	6		6		6		6		6		6		6	
1/4	2,484.95	1/4	2,725.45	1/4	2,965.30	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,489.97	1/2	2,730.45	1/2	2,970.30	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,494.98	3/4	2,735.45	3/4	2,975.30	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,499.99	7	2,740.44	7	2,980.30	7		7		7		7		7		7		7	
1/4	2,505.00	1/4	2,745.44	1/4	2,985.30	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,510.01	1/2	2,750.44	1/2	2,990.30	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,515.02	3/4	2,755.43	3/4	2,995.30	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,520.04	8	2,760.43	8	3,000.30	8		8		8		8		8		8		8	
1/4	2,525.05	1/4	2,765.43	1/4	3,005.30	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,530.06	1/2	2,770.42	1/2	3,010.29	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,535.07	3/4	2,775.42	3/4	3,015.29	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,540.08	9	2,780.42	9	3,020.29	9		9		9		9		9		9		9	
1/4	2,545.09	1/4	2,785.41	1/4	3,025.29	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,550.11	1/2	2,790.41	1/2	3,030.29	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,555.12	3/4	2,795.41	3/4	3,035.29	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,560.13	10	2,800.40	10	3,040.29	10		10		10		10		10		10		10	
1/4	2,565.14	1/4	2,805.40	1/4	3,045.29	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,570.15	1/2	2,810.40	1/2	3,050.29	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,575.16	3/4	2,815.39	3/4	3,055.29	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,580.18	11	2,820.39	11	3,060.29	11		11		11		11		11		11		11	
1/4	2,585.19	1/4	2,825.39	1/4	3,064.87	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,590.20	1/2	2,830.38	1/2	3,069.45	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,595.21	3/4	2,835.38	3/4	3,074.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/09/2017 SW  
CALCULATED: 03/09/2017 CL  
PRINTED: 04/8/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2017

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



# BARGE "KAYO"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	17.77	0	277.47	0	541.88	0	815.19	0	1,089.44	0	1,363.70	0	1,637.95	0	1,912.20	0	2,186.45	0	2,460.62
1/4	21.27	1/4	283.18	1/4	547.38	1/4	820.90	1/4	1,095.16	1/4	1,369.41	1/4	1,643.66	1/4	1,917.91	1/4	2,192.17	1/4	2,466.33
1/2	24.78	1/2	288.90	1/2	552.89	1/2	826.62	1/2	1,100.87	1/2	1,375.12	1/2	1,649.38	1/2	1,923.63	1/2	2,197.88	1/2	2,472.04
3/4	28.29	3/4	294.61	3/4	558.39	3/4	832.33	3/4	1,106.58	3/4	1,380.84	3/4	1,655.09	3/4	1,929.34	3/4	2,203.59	3/4	2,477.76
1	31.79	1	300.32	1	563.90	1	838.04	1	1,112.30	1	1,386.55	1	1,660.80	1	1,935.06	1	2,209.31	1	2,483.47
1/4	36.34	1/4	305.84	1/4	569.58	1/4	843.76	1/4	1,118.01	1/4	1,392.26	1/4	1,666.52	1/4	1,940.77	1/4	2,215.02	1/4	2,489.18
1/2	40.88	1/2	311.35	1/2	575.27	1/2	849.47	1/2	1,123.72	1/2	1,397.98	1/2	1,672.23	1/2	1,946.48	1/2	2,220.74	1/2	2,494.89
3/4	45.43	3/4	316.86	3/4	580.96	3/4	855.18	3/4	1,129.44	3/4	1,403.69	3/4	1,677.94	3/4	1,952.20	3/4	2,226.45	3/4	2,500.60
2	49.97	2	322.38	2	586.65	2	860.90	2	1,135.15	2	1,409.40	2	1,683.66	2	1,957.91	2	2,232.16	2	2,506.31
1/4	55.44	1/4	327.86	1/4	592.36	1/4	866.61	1/4	1,140.86	1/4	1,415.12	1/4	1,689.37	1/4	1,963.62	1/4	2,237.88	1/4	2,512.02
1/2	60.91	1/2	333.34	1/2	598.07	1/2	872.33	1/2	1,146.58	1/2	1,420.83	1/2	1,695.08	1/2	1,969.34	1/2	2,243.59	1/2	2,517.73
3/4	66.38	3/4	338.83	3/4	603.79	3/4	878.04	3/4	1,152.29	3/4	1,426.54	3/4	1,700.80	3/4	1,975.05	3/4	2,249.31	3/4	2,523.44
3	71.85	3	344.31	3	609.50	3	883.75	3	1,158.01	3	1,432.26	3	1,706.51	3	1,980.76	3	2,255.02	3	2,529.16
1/4	77.55	1/4	349.79	1/4	615.21	1/4	889.47	1/4	1,163.72	1/4	1,437.97	1/4	1,712.22	1/4	1,986.48	1/4	2,260.73	1/4	2,534.87
1/2	83.25	1/2	355.28	1/2	620.93	1/2	895.18	1/2	1,169.43	1/2	1,443.69	1/2	1,717.94	1/2	1,992.19	1/2	2,266.44	1/2	2,540.58
3/4	88.95	3/4	360.76	3/4	626.64	3/4	900.89	3/4	1,175.15	3/4	1,449.40	3/4	1,723.65	3/4	1,997.90	3/4	2,272.16	3/4	2,546.29
4	94.64	4	366.24	4	632.35	4	906.61	4	1,180.86	4	1,455.11	4	1,729.37	4	2,003.62	4	2,277.87	4	2,552.00
1/4	100.36	1/4	371.73	1/4	638.07	1/4	912.32	1/4	1,186.57	1/4	1,460.83	1/4	1,735.08	1/4	2,009.33	1/4	2,283.58	1/4	2,557.71
1/2	106.07	1/2	377.21	1/2	643.78	1/2	918.03	1/2	1,192.29	1/2	1,466.54	1/2	1,740.79	1/2	2,015.05	1/2	2,289.29	1/2	2,563.42
3/4	111.78	3/4	382.70	3/4	649.50	3/4	923.75	3/4	1,198.00	3/4	1,472.25	3/4	1,746.51	3/4	2,020.76	3/4	2,295.00	3/4	2,569.13
5	117.50	5	388.18	5	655.21	5	929.46	5	1,203.71	5	1,477.97	5	1,752.22	5	2,026.47	5	2,300.71	5	2,574.84
1/4	123.21	1/4	393.66	1/4	660.92	1/4	935.18	1/4	1,209.43	1/4	1,483.68	1/4	1,757.93	1/4	2,032.19	1/4	2,306.42	1/4	2,580.55
1/2	128.92	1/2	399.15	1/2	666.64	1/2	940.89	1/2	1,215.14	1/2	1,489.39	1/2	1,763.65	1/2	2,037.90	1/2	2,312.13	1/2	2,586.27
3/4	134.64	3/4	404.63	3/4	672.35	3/4	946.60	3/4	1,220.86	3/4	1,495.11	3/4	1,769.36	3/4	2,043.61	3/4	2,317.84	3/4	2,591.98
6	140.35	6	410.11	6	678.06	6	952.32	6	1,226.57	6	1,500.82	6	1,775.07	6	2,049.33	6	2,323.56	6	2,597.69
1/4	146.06	1/4	415.60	1/4	683.78	1/4	958.03	1/4	1,232.28	1/4	1,506.54	1/4	1,780.79	1/4	2,055.04	1/4	2,329.27	1/4	2,603.40
1/2	151.78	1/2	421.08	1/2	689.49	1/2	963.74	1/2	1,238.00	1/2	1,512.25	1/2	1,786.50	1/2	2,060.75	1/2	2,334.98	1/2	2,609.11
3/4	157.49	3/4	426.57	3/4	695.20	3/4	969.46	3/4	1,243.71	3/4	1,517.96	3/4	1,792.22	3/4	2,066.47	3/4	2,340.69	3/4	2,614.82
7	163.20	7	432.05	7	700.92	7	975.17	7	1,249.42	7	1,523.68	7	1,797.93	7	2,072.18	7	2,346.40	7	2,620.53
1/4	168.92	1/4	437.53	1/4	706.63	1/4	980.88	1/4	1,255.14	1/4	1,529.39	1/4	1,803.64	1/4	2,077.90	1/4	2,352.11	1/4	2,626.24
1/2	174.63	1/2	443.02	1/2	712.34	1/2	986.60	1/2	1,260.85	1/2	1,535.10	1/2	1,809.36	1/2	2,083.61	1/2	2,357.82	1/2	2,631.95
3/4	180.34	3/4	448.50	3/4	718.06	3/4	992.31	3/4	1,266.56	3/4	1,540.82	3/4	1,815.07	3/4	2,089.32	3/4	2,363.53	3/4	2,637.67
8	186.06	8	453.98	8	723.77	8	998.02	8	1,272.28	8	1,546.53	8	1,820.78	8	2,095.04	8	2,369.24	8	2,643.38
1/4	191.77	1/4	459.47	1/4	729.49	1/4	1,003.74	1/4	1,277.99	1/4	1,552.24	1/4	1,826.50	1/4	2,100.75	1/4	2,374.96	1/4	2,649.09
1/2	197.48	1/2	464.95	1/2	735.20	1/2	1,009.45	1/2	1,283.70	1/2	1,557.96	1/2	1,832.21	1/2	2,106.46	1/2	2,380.67	1/2	2,654.80
3/4	203.20	3/4	470.43	3/4	740.91	3/4	1,015.17	3/4	1,289.42	3/4	1,563.67	3/4	1,837.92	3/4	2,112.18	3/4	2,386.38	3/4	2,660.51
9	208.91	9	475.92	9	746.63	9	1,020.88	9	1,295.13	9	1,569.38	9	1,843.64	9	2,117.89	9	2,392.09	9	2,666.22
1/4	214.62	1/4	481.41	1/4	752.34	1/4	1,026.59	1/4	1,300.85	1/4	1,575.10	1/4	1,849.35	1/4	2,123.60	1/4	2,397.80	1/4	2,671.93
1/2	220.34	1/2	486.90	1/2	758.05	1/2	1,032.31	1/2	1,306.56	1/2	1,580.81	1/2	1,855.06	1/2	2,129.32	1/2	2,403.51	1/2	2,677.64
3/4	226.05	3/4	492.40	3/4	763.77	3/4	1,038.02	3/4	1,312.27	3/4	1,586.53	3/4	1,860.78	3/4	2,135.03	3/4	2,409.22	3/4	2,683.35
10	231.76	10	497.89	10	769.48	10	1,043.73	10	1,317.99	10	1,592.24	10	1,866.49	10	2,140.74	10	2,414.93	10	2,689.07
1/4	237.48	1/4	503.38	1/4	775.19	1/4	1,049.45	1/4	1,323.70	1/4	1,597.95	1/4	1,872.21	1/4	2,146.46	1/4	2,420.64	1/4	2,694.78
1/2	243.19	1/2	508.88	1/2	780.91	1/2	1,055.16	1/2	1,329.41	1/2	1,603.67	1/2	1,877.92	1/2	2,152.17	1/2	2,426.36	1/2	2,700.49
3/4	248.90	3/4	514.37	3/4	786.62	3/4	1,060.87	3/4	1,335.13	3/4	1,609.38	3/4	1,883.63	3/4	2,157.89	3/4	2,432.07	3/4	2,706.20
11	254.62	11	519.86	11	792.34	11	1,066.59	11	1,340.84	11	1,615.09	11	1,889.35	11	2,163.60	11	2,437.78	11	2,711.91
1/4	260.33	1/4	525.37	1/4	798.05	1/4	1,072.30	1/4	1,346.55	1/4	1,620.81	1/4	1,895.06	1/4	2,169.31	1/4	2,443.49	1/4	2,717.62
1/2	266.04	1/2	530.87	1/2	803.76	1/2	1,078.02	1/2	1,352.27	1/2	1,626.52	1/2	1,900.77	1/2	2,175.03	1/2	2,449.20	1/2	2,723.33
3/4	271.76	3/4	536.37	3/4	809.48	3/4	1,083.73	3/4	1,357.98	3/4	1,632.23	3/4	1,906.49	3/4	2,180.74	3/4	2,454.91	3/4	2,729.04

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF THE "MMC" VALVE.  
 GAUGE POINT: (MMC) LOCATED 14'-06" OFF CENTERLINE AND 26'-06" FORWARD OF AFT BULKHEAD.

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



# BARGE "KAYO"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,734.75	0	3,008.89	0	3,282.61	0	3,554.18	0		0		0		0		0		0	
1/4	2,740.47	1/4	3,014.60	1/4	3,288.30	1/4	3,558.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,746.18	1/2	3,020.31	1/2	3,294.01	1/2	3,563.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,751.89	3/4	3,026.02	3/4	3,299.70	3/4	3,568.21	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,757.60	1	3,031.73	1	3,305.39	1	3,572.89	1	1	1	1	1	1	1	1	1	1	1	1
1/4	2,763.31	1/4	3,037.44	1/4	3,311.09	1/4	3,577.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,769.02	1/2	3,043.15	1/2	3,316.78	1/2	3,581.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,774.73	3/4	3,048.87	3/4	3,322.48	3/4	3,585.29	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,780.44	2	3,054.58	2	3,328.18	2	3,589.43	2	2	2	2	2	2	2	2	2	2	2	2
1/4	2,786.15	1/4	3,060.29	1/4	3,333.87	1/4	3,593.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,791.87	1/2	3,066.00	1/2	3,339.57	1/2	3,596.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,797.58	3/4	3,071.71	3/4	3,345.26	3/4	3,600.20	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,803.29	3	3,077.42	3	3,350.96	3	3,603.79	3	3	3	3	3	3	3	3	3	3	3	3
1/4	2,809.00	1/4	3,083.13	1/4	3,356.66	1/4	3,606.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,814.71	1/2	3,088.84	1/2	3,362.35	1/2	3,609.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,820.42	3/4	3,094.55	3/4	3,368.05	3/4	3,612.93	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,826.13	4	3,100.27	4	3,373.74	4		4	4	4	4	4	4	4	4	4	4	4	4
1/4	2,831.84	1/4	3,105.98	1/4	3,379.44	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,837.55	1/2	3,111.69	1/2	3,385.14	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,843.27	3/4	3,117.40	3/4	3,390.83	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,848.98	5	3,123.11	5	3,396.53	5		5	5	5	5	5	5	5	5	5	5	5	5
1/4	2,854.69	1/4	3,128.81	1/4	3,402.23	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,860.40	1/2	3,134.51	1/2	3,407.92	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,866.11	3/4	3,140.21	3/4	3,413.62	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,871.82	6	3,145.90	6	3,419.32	6		6	6	6	6	6	6	6	6	6	6	6	6
1/4	2,877.53	1/4	3,151.60	1/4	3,425.02	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,883.24	1/2	3,157.30	1/2	3,430.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,888.95	3/4	3,162.99	3/4	3,436.42	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,894.67	7	3,168.69	7	3,442.11	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	2,900.38	1/4	3,174.38	1/4	3,447.81	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,906.09	1/2	3,180.08	1/2	3,453.51	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,911.80	3/4	3,185.78	3/4	3,459.21	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,917.51	8	3,191.47	8	3,464.91	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	2,923.22	1/4	3,197.17	1/4	3,470.61	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,928.93	1/2	3,202.86	1/2	3,476.31	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,934.64	3/4	3,208.56	3/4	3,482.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,940.35	9	3,214.26	9	3,487.70	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	2,946.07	1/4	3,219.95	1/4	3,493.40	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,951.78	1/2	3,225.65	1/2	3,499.10	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,957.49	3/4	3,231.34	3/4	3,504.80	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,963.20	10	3,237.04	10	3,510.50	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	2,968.91	1/4	3,242.74	1/4	3,516.20	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,974.62	1/2	3,248.43	1/2	3,521.89	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,980.33	3/4	3,254.13	3/4	3,527.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,986.04	11	3,259.82	11	3,533.29	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	2,991.75	1/4	3,265.52	1/4	3,538.99	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,997.47	1/2	3,271.22	1/2	3,544.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,003.18	3/4	3,276.91	3/4	3,548.95	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/09/2017 SW  
CALCULATED: 03/09/2017 CL  
PRINTED: 04/8/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2017

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





# BARGE "KAYO"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	17.74	0	277.11	0	550.47	0	824.36	0	1,098.26	0	1,372.16	0	1,646.06	0	1,919.95	0	2,193.85	0	2,467.65
1/4	21.25	1/4	282.82	1/4	556.17	1/4	830.07	1/4	1,103.97	1/4	1,377.86	1/4	1,651.76	1/4	1,925.66	1/4	2,199.56	1/4	2,473.35
1/2	24.75	1/2	288.52	1/2	561.88	1/2	835.78	1/2	1,109.67	1/2	1,383.57	1/2	1,657.47	1/2	1,931.37	1/2	2,205.26	1/2	2,479.06
3/4	28.25	3/4	294.23	3/4	567.58	3/4	841.48	3/4	1,115.38	3/4	1,389.28	3/4	1,663.17	3/4	1,937.07	3/4	2,210.97	3/4	2,484.76
1	31.75	1	299.93	1	573.29	1	847.19	1	1,121.09	1	1,394.98	1	1,668.88	1	1,942.78	1	2,216.68	1	2,490.47
1/4	36.29	1/4	305.63	1/4	579.00	1/4	852.89	1/4	1,126.79	1/4	1,400.69	1/4	1,674.59	1/4	1,948.48	1/4	2,222.38	1/4	2,496.17
1/2	40.83	1/2	311.32	1/2	584.70	1/2	858.60	1/2	1,132.50	1/2	1,406.40	1/2	1,680.29	1/2	1,954.19	1/2	2,228.09	1/2	2,501.87
3/4	45.37	3/4	317.01	3/4	590.41	3/4	864.31	3/4	1,138.20	3/4	1,412.10	3/4	1,686.00	3/4	1,959.90	3/4	2,233.79	3/4	2,507.58
2	49.91	2	322.70	2	596.12	2	870.01	2	1,143.91	2	1,417.81	2	1,691.71	2	1,965.60	2	2,239.50	2	2,513.28
1/4	55.37	1/4	328.40	1/4	601.82	1/4	875.72	1/4	1,149.62	1/4	1,423.51	1/4	1,697.41	1/4	1,971.31	1/4	2,245.21	1/4	2,518.98
1/2	60.83	1/2	334.09	1/2	607.53	1/2	881.43	1/2	1,155.32	1/2	1,429.22	1/2	1,703.12	1/2	1,977.02	1/2	2,250.91	1/2	2,524.69
3/4	66.30	3/4	339.78	3/4	613.23	3/4	887.13	3/4	1,161.03	3/4	1,434.93	3/4	1,708.82	3/4	1,982.72	3/4	2,256.61	3/4	2,530.39
3	71.76	3	345.47	3	618.94	3	892.84	3	1,166.74	3	1,440.63	3	1,714.53	3	1,988.43	3	2,262.32	3	2,536.09
1/4	77.45	1/4	351.16	1/4	624.65	1/4	898.54	1/4	1,172.44	1/4	1,446.34	1/4	1,720.24	1/4	1,994.13	1/4	2,268.02	1/4	2,541.80
1/2	83.14	1/2	356.85	1/2	630.35	1/2	904.25	1/2	1,178.15	1/2	1,452.05	1/2	1,725.94	1/2	1,999.84	1/2	2,273.72	1/2	2,547.50
3/4	88.83	3/4	362.54	3/4	636.06	3/4	909.96	3/4	1,183.85	3/4	1,457.75	3/4	1,731.65	3/4	2,005.55	3/4	2,279.43	3/4	2,553.21
4	94.52	4	368.23	4	641.77	4	915.66	4	1,189.56	4	1,463.46	4	1,737.36	4	2,011.25	4	2,285.13	4	2,558.91
1/4	100.22	1/4	373.92	1/4	647.47	1/4	921.37	1/4	1,195.27	1/4	1,469.16	1/4	1,743.06	1/4	2,016.96	1/4	2,290.84	1/4	2,564.61
1/2	105.93	1/2	379.61	1/2	653.18	1/2	927.08	1/2	1,200.97	1/2	1,474.87	1/2	1,748.77	1/2	2,022.67	1/2	2,296.54	1/2	2,570.32
3/4	111.64	3/4	385.30	3/4	658.88	3/4	932.78	3/4	1,206.68	3/4	1,480.58	3/4	1,754.47	3/4	2,028.37	3/4	2,302.24	3/4	2,576.02
5	117.34	5	390.99	5	664.59	5	938.49	5	1,212.39	5	1,486.28	5	1,760.18	5	2,034.08	5	2,307.95	5	2,581.72
1/4	123.05	1/4	396.68	1/4	670.30	1/4	944.19	1/4	1,218.09	1/4	1,491.99	1/4	1,765.89	1/4	2,039.78	1/4	2,313.65	1/4	2,587.43
1/2	128.75	1/2	402.37	1/2	676.00	1/2	949.90	1/2	1,223.80	1/2	1,497.70	1/2	1,771.59	1/2	2,045.49	1/2	2,319.35	1/2	2,593.13
3/4	134.46	3/4	408.06	3/4	681.71	3/4	955.61	3/4	1,229.50	3/4	1,503.40	3/4	1,777.30	3/4	2,051.20	3/4	2,325.06	3/4	2,598.84
6	140.17	6	413.76	6	687.41	6	961.31	6	1,235.21	6	1,509.11	6	1,783.01	6	2,056.90	6	2,330.76	6	2,604.54
1/4	145.87	1/4	419.45	1/4	693.12	1/4	967.02	1/4	1,240.92	1/4	1,514.81	1/4	1,788.71	1/4	2,062.61	1/4	2,336.47	1/4	2,610.24
1/2	151.58	1/2	425.14	1/2	698.83	1/2	972.72	1/2	1,246.62	1/2	1,520.52	1/2	1,794.42	1/2	2,068.32	1/2	2,342.17	1/2	2,615.95
3/4	157.28	3/4	430.83	3/4	704.53	3/4	978.43	3/4	1,252.33	3/4	1,526.23	3/4	1,800.12	3/4	2,074.02	3/4	2,347.87	3/4	2,621.65
7	162.99	7	436.52	7	710.24	7	984.14	7	1,258.03	7	1,531.93	7	1,805.83	7	2,079.73	7	2,353.58	7	2,627.35
1/4	168.70	1/4	442.21	1/4	715.95	1/4	989.84	1/4	1,263.74	1/4	1,537.64	1/4	1,811.54	1/4	2,085.43	1/4	2,359.28	1/4	2,633.06
1/2	174.40	1/2	447.90	1/2	721.65	1/2	995.55	1/2	1,269.45	1/2	1,543.34	1/2	1,817.24	1/2	2,091.14	1/2	2,364.98	1/2	2,638.76
3/4	180.11	3/4	453.59	3/4	727.36	3/4	1,001.26	3/4	1,275.15	3/4	1,549.05	3/4	1,822.95	3/4	2,096.85	3/4	2,370.69	3/4	2,644.47
8	185.81	8	459.28	8	733.06	8	1,006.96	8	1,280.86	8	1,554.76	8	1,828.65	8	2,102.55	8	2,376.39	8	2,650.17
1/4	191.52	1/4	464.97	1/4	738.77	1/4	1,012.67	1/4	1,286.57	1/4	1,560.46	1/4	1,834.36	1/4	2,108.26	1/4	2,382.09	1/4	2,655.87
1/2	197.23	1/2	470.66	1/2	744.48	1/2	1,018.37	1/2	1,292.27	1/2	1,566.17	1/2	1,840.07	1/2	2,113.96	1/2	2,387.80	1/2	2,661.58
3/4	202.93	3/4	476.35	3/4	750.18	3/4	1,024.08	3/4	1,297.98	3/4	1,571.88	3/4	1,845.77	3/4	2,119.67	3/4	2,393.50	3/4	2,667.28
9	208.64	9	482.04	9	755.89	9	1,029.79	9	1,303.68	9	1,577.58	9	1,851.48	9	2,125.38	9	2,399.21	9	2,672.98
1/4	214.34	1/4	487.74	1/4	761.60	1/4	1,035.49	1/4	1,309.39	1/4	1,583.29	1/4	1,857.19	1/4	2,131.08	1/4	2,404.91	1/4	2,678.69
1/2	220.05	1/2	493.44	1/2	767.30	1/2	1,041.20	1/2	1,315.10	1/2	1,588.99	1/2	1,862.89	1/2	2,136.79	1/2	2,410.61	1/2	2,684.39
3/4	225.76	3/4	499.14	3/4	773.01	3/4	1,046.91	3/4	1,320.80	3/4	1,594.70	3/4	1,868.60	3/4	2,142.50	3/4	2,416.32	3/4	2,690.09
10	231.46	10	504.84	10	778.71	10	1,052.61	10	1,326.51	10	1,600.41	10	1,874.30	10	2,148.20	10	2,422.02	10	2,695.80
1/4	237.17	1/4	510.54	1/4	784.42	1/4	1,058.32	1/4	1,332.22	1/4	1,606.11	1/4	1,880.01	1/4	2,153.91	1/4	2,427.72	1/4	2,701.50
1/2	242.87	1/2	516.24	1/2	790.13	1/2	1,064.02	1/2	1,337.92	1/2	1,611.82	1/2	1,885.72	1/2	2,159.61	1/2	2,433.43	1/2	2,707.21
3/4	248.58	3/4	521.94	3/4	795.83	3/4	1,069.73	3/4	1,343.63	3/4	1,617.53	3/4	1,891.42	3/4	2,165.32	3/4	2,439.13	3/4	2,712.91
11	254.29	11	527.64	11	801.54	11	1,075.44	11	1,349.33	11	1,623.23	11	1,897.13	11	2,171.03	11	2,444.84	11	2,718.61
1/4	259.99	1/4	533.35	1/4	807.24	1/4	1,081.14	1/4	1,355.04	1/4	1,628.94	1/4	1,902.84	1/4	2,176.73	1/4	2,450.54	1/4	2,724.32
1/2	265.70	1/2	539.05	1/2	812.95	1/2	1,086.85	1/2	1,360.75	1/2	1,634.64	1/2	1,908.54	1/2	2,182.44	1/2	2,456.24	1/2	2,730.02
3/4	271.40	3/4	544.76	3/4	818.66	3/4	1,092.55	3/4	1,366.45	3/4	1,640.35	3/4	1,914.25	3/4	2,188.15	3/4	2,461.95	3/4	2,735.72

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF THE "MMC" VALVE.  
 GAUGE POINT: (MMC) LOCATED 14'-06" OFF CENTERLINE AND 26'-06" FORWARD OF AFT BULKHEAD.

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





# BARGE "KAYO"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,741.43	0	3,015.21	0	3,288.56	0	3,559.78	0		0		0		0		0		0	
1/4	2,747.13	1/4	3,020.91	1/4	3,294.25	1/4	3,564.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,752.84	1/2	3,026.61	1/2	3,299.94	1/2	3,569.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,758.54	3/4	3,032.32	3/4	3,305.63	3/4	3,573.79	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,764.24	1	3,038.02	1	3,311.32	1	3,578.47	1		1		1		1		1		1	
1/4	2,769.95	1/4	3,043.72	1/4	3,317.01	1/4	3,582.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,775.65	1/2	3,049.43	1/2	3,322.70	1/2	3,586.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,781.35	3/4	3,055.13	3/4	3,328.38	3/4	3,590.85	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,787.06	2	3,060.84	2	3,334.07	2	3,594.98	2		2		2		2		2		2	
1/4	2,792.76	1/4	3,066.54	1/4	3,339.76	1/4	3,598.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,798.46	1/2	3,072.24	1/2	3,345.45	1/2	3,602.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,804.17	3/4	3,077.95	3/4	3,351.14	3/4	3,605.74	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,809.87	3	3,083.65	3	3,356.83	3	3,609.32	3		3		3		3		3		3	
1/4	2,815.58	1/4	3,089.35	1/4	3,362.52	1/4	3,612.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,821.28	1/2	3,095.06	1/2	3,368.20	1/2	3,615.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,826.98	3/4	3,100.76	3/4	3,373.89	3/4	3,618.45	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,832.69	4	3,106.46	4	3,379.58	4		4		4		4		4		4		4	
1/4	2,838.39	1/4	3,112.17	1/4	3,385.27	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,844.09	1/2	3,117.87	1/2	3,390.96	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,849.80	3/4	3,123.58	3/4	3,396.65	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,855.50	5	3,129.28	5	3,402.34	5		5		5		5		5		5		5	
1/4	2,861.21	1/4	3,134.97	1/4	3,408.03	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,866.91	1/2	3,140.66	1/2	3,413.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,872.61	3/4	3,146.35	3/4	3,419.41	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,878.32	6	3,152.04	6	3,425.10	6		6		6		6		6		6		6	
1/4	2,884.02	1/4	3,157.73	1/4	3,430.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,889.72	1/2	3,163.42	1/2	3,436.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,895.43	3/4	3,169.10	3/4	3,442.17	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,901.13	7	3,174.79	7	3,447.86	7		7		7		7		7		7		7	
1/4	2,906.84	1/4	3,180.48	1/4	3,453.55	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,912.54	1/2	3,186.17	1/2	3,459.24	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,918.24	3/4	3,191.86	3/4	3,464.94	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,923.95	8	3,197.55	8	3,470.63	8		8		8		8		8		8		8	
1/4	2,929.65	1/4	3,203.24	1/4	3,476.32	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,935.35	1/2	3,208.92	1/2	3,482.01	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,941.06	3/4	3,214.61	3/4	3,487.70	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,946.76	9	3,220.30	9	3,493.39	9		9		9		9		9		9		9	
1/4	2,952.46	1/4	3,225.99	1/4	3,499.08	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,958.17	1/2	3,231.68	1/2	3,504.77	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,963.87	3/4	3,237.37	3/4	3,510.46	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,969.58	10	3,243.06	10	3,516.16	10		10		10		10		10		10		10	
1/4	2,975.28	1/4	3,248.74	1/4	3,521.85	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,980.98	1/2	3,254.43	1/2	3,527.54	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,986.69	3/4	3,260.12	3/4	3,533.23	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,992.39	11	3,265.81	11	3,538.92	11		11		11		11		11		11		11	
1/4	2,998.09	1/4	3,271.50	1/4	3,544.13	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,003.80	1/2	3,277.19	1/2	3,549.35	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,009.50	3/4	3,282.88	3/4	3,554.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/09/2017 SW  
CALCULATED: 03/09/2017 CL  
PRINTED: 04/8/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2017

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



# BARGE "KAYO"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	17.74	0	277.11	0	541.17	0	814.13	0	1,088.03	0	1,361.93	0	1,635.82	0	1,909.72	0	2,183.62	0	2,457.43
1/4	21.25	1/4	282.82	1/4	546.67	1/4	819.84	1/4	1,093.74	1/4	1,367.63	1/4	1,641.53	1/4	1,915.43	1/4	2,189.33	1/4	2,463.14
1/2	24.75	1/2	288.52	1/2	552.17	1/2	825.17	1/2	1,099.44	1/2	1,373.34	1/2	1,647.24	1/2	1,921.13	1/2	2,195.03	1/2	2,468.84
3/4	28.25	3/4	294.23	3/4	557.67	3/4	831.25	3/4	1,105.15	3/4	1,379.05	3/4	1,652.94	3/4	1,926.84	3/4	2,200.74	3/4	2,474.54
1	31.75	1	299.94	1	563.16	1	836.96	1	1,110.85	1	1,384.75	1	1,658.65	1	1,932.55	1	2,206.44	1	2,480.25
1/4	36.29	1/4	305.44	1/4	568.84	1/4	842.66	1/4	1,116.56	1/4	1,390.46	1/4	1,664.36	1/4	1,938.25	1/4	2,212.15	1/4	2,485.95
1/2	40.83	1/2	310.95	1/2	574.52	1/2	848.37	1/2	1,122.27	1/2	1,396.16	1/2	1,670.06	1/2	1,943.96	1/2	2,217.86	1/2	2,491.66
3/4	45.37	3/4	316.45	3/4	580.20	3/4	854.08	3/4	1,127.97	3/4	1,401.87	3/4	1,675.77	3/4	1,949.67	3/4	2,223.56	3/4	2,497.36
2	49.91	2	321.96	2	585.88	2	859.78	2	1,133.68	2	1,407.58	2	1,681.47	2	1,955.37	2	2,229.27	2	2,503.06
1/4	55.37	1/4	327.43	1/4	591.59	1/4	865.49	1/4	1,139.39	1/4	1,413.28	1/4	1,687.18	1/4	1,961.08	1/4	2,234.98	1/4	2,508.77
1/2	60.83	1/2	332.91	1/2	597.30	1/2	871.19	1/2	1,145.09	1/2	1,418.99	1/2	1,692.89	1/2	1,966.78	1/2	2,240.68	1/2	2,514.47
3/4	66.30	3/4	338.39	3/4	603.00	3/4	876.90	3/4	1,150.80	3/4	1,424.70	3/4	1,698.59	3/4	1,972.49	3/4	2,246.39	3/4	2,520.17
3	71.76	3	343.86	3	608.71	3	882.61	3	1,156.50	3	1,430.40	3	1,704.30	3	1,978.20	3	2,252.10	3	2,525.88
1/4	77.45	1/4	349.34	1/4	614.41	1/4	888.31	1/4	1,162.21	1/4	1,436.11	1/4	1,710.01	1/4	1,983.90	1/4	2,257.80	1/4	2,531.58
1/2	83.14	1/2	354.82	1/2	620.12	1/2	894.02	1/2	1,167.92	1/2	1,441.81	1/2	1,715.71	1/2	1,989.61	1/2	2,263.51	1/2	2,537.28
3/4	88.83	3/4	360.29	3/4	625.83	3/4	899.72	3/4	1,173.62	3/4	1,447.52	3/4	1,721.42	3/4	1,995.32	3/4	2,269.21	3/4	2,542.99
4	94.52	4	365.77	4	631.53	4	905.43	4	1,179.33	4	1,453.23	4	1,727.12	4	2,001.02	4	2,274.91	4	2,548.69
1/4	100.23	1/4	371.25	1/4	637.24	1/4	911.14	1/4	1,185.03	1/4	1,458.93	1/4	1,732.83	1/4	2,006.73	1/4	2,280.62	1/4	2,554.40
1/2	105.93	1/2	376.72	1/2	642.95	1/2	916.84	1/2	1,190.74	1/2	1,464.64	1/2	1,738.54	1/2	2,012.43	1/2	2,286.32	1/2	2,560.10
3/4	111.64	3/4	382.20	3/4	648.65	3/4	922.55	3/4	1,196.45	3/4	1,470.34	3/4	1,744.24	3/4	2,018.14	3/4	2,292.03	3/4	2,565.80
5	117.34	5	387.68	5	654.36	5	928.26	5	1,202.15	5	1,476.05	5	1,749.95	5	2,023.85	5	2,297.73	5	2,571.51
1/4	123.05	1/4	393.15	1/4	660.06	1/4	933.96	1/4	1,207.86	1/4	1,481.76	1/4	1,755.65	1/4	2,029.55	1/4	2,303.43	1/4	2,577.21
1/2	128.76	1/2	398.63	1/2	665.77	1/2	939.67	1/2	1,213.57	1/2	1,487.46	1/2	1,761.36	1/2	2,035.26	1/2	2,309.14	1/2	2,582.91
3/4	134.46	3/4	404.11	3/4	671.48	3/4	945.37	3/4	1,219.27	3/4	1,493.17	3/4	1,767.07	3/4	2,040.96	3/4	2,314.84	3/4	2,588.62
6	140.17	6	409.58	6	677.18	6	951.08	6	1,224.98	6	1,498.88	6	1,772.77	6	2,046.67	6	2,320.54	6	2,594.32
1/4	145.87	1/4	415.06	1/4	682.89	1/4	956.79	1/4	1,230.68	1/4	1,504.58	1/4	1,778.48	1/4	2,052.38	1/4	2,326.25	1/4	2,600.03
1/2	151.58	1/2	420.54	1/2	688.60	1/2	962.49	1/2	1,236.39	1/2	1,510.29	1/2	1,784.19	1/2	2,058.08	1/2	2,331.95	1/2	2,605.73
3/4	157.29	3/4	426.01	3/4	694.30	3/4	968.20	3/4	1,242.10	3/4	1,515.99	3/4	1,789.89	3/4	2,063.79	3/4	2,337.66	3/4	2,611.43
7	162.99	7	431.49	7	700.01	7	973.91	7	1,247.80	7	1,521.70	7	1,795.60	7	2,069.50	7	2,343.36	7	2,617.14
1/4	168.70	1/4	436.97	1/4	705.71	1/4	979.61	1/4	1,253.51	1/4	1,527.41	1/4	1,801.30	1/4	2,075.20	1/4	2,349.06	1/4	2,622.84
1/2	174.40	1/2	442.44	1/2	711.42	1/2	985.32	1/2	1,259.22	1/2	1,533.11	1/2	1,807.01	1/2	2,080.91	1/2	2,354.77	1/2	2,628.54
3/4	180.11	3/4	447.92	3/4	717.13	3/4	991.02	3/4	1,264.92	3/4	1,538.82	3/4	1,812.72	3/4	2,086.61	3/4	2,360.47	3/4	2,634.25
8	185.82	8	453.40	8	722.83	8	996.73	8	1,270.63	8	1,544.53	8	1,818.42	8	2,092.32	8	2,366.17	8	2,639.95
1/4	191.52	1/4	458.87	1/4	728.54	1/4	1,002.44	1/4	1,276.33	1/4	1,550.23	1/4	1,824.13	1/4	2,098.03	1/4	2,371.88	1/4	2,645.66
1/2	197.23	1/2	464.35	1/2	734.24	1/2	1,008.14	1/2	1,282.04	1/2	1,555.94	1/2	1,829.84	1/2	2,103.73	1/2	2,377.58	1/2	2,651.36
3/4	202.93	3/4	469.83	3/4	739.95	3/4	1,013.85	3/4	1,287.75	3/4	1,561.64	3/4	1,835.54	3/4	2,109.44	3/4	2,383.28	3/4	2,657.06
9	208.64	9	475.30	9	745.66	9	1,019.55	9	1,293.45	9	1,567.35	9	1,841.25	9	2,115.15	9	2,388.99	9	2,662.77
1/4	214.35	1/4	480.79	1/4	751.36	1/4	1,025.26	1/4	1,299.16	1/4	1,573.06	1/4	1,846.95	1/4	2,120.85	1/4	2,394.69	1/4	2,668.47
1/2	220.05	1/2	486.27	1/2	757.07	1/2	1,030.97	1/2	1,304.86	1/2	1,578.76	1/2	1,852.66	1/2	2,126.56	1/2	2,400.40	1/2	2,674.17
3/4	225.76	3/4	491.76	3/4	762.78	3/4	1,036.67	3/4	1,310.57	3/4	1,584.47	3/4	1,858.37	3/4	2,132.26	3/4	2,406.10	3/4	2,679.88
10	231.46	10	497.24	10	768.48	10	1,042.38	10	1,316.28	10	1,590.17	10	1,864.07	10	2,137.97	10	2,411.80	10	2,685.58
1/4	237.17	1/4	502.73	1/4	774.19	1/4	1,048.09	1/4	1,321.98	1/4	1,595.88	1/4	1,869.78	1/4	2,143.68	1/4	2,417.51	1/4	2,691.28
1/2	242.88	1/2	508.21	1/2	779.89	1/2	1,053.79	1/2	1,327.69	1/2	1,601.59	1/2	1,875.48	1/2	2,149.38	1/2	2,423.21	1/2	2,696.99
3/4	248.58	3/4	513.70	3/4	785.60	3/4	1,059.50	3/4	1,333.40	3/4	1,607.29	3/4	1,881.19	3/4	2,155.09	3/4	2,428.91	3/4	2,702.69
11	254.29	11	519.19	11	791.31	11	1,065.20	11	1,339.10	11	1,613.00	11	1,886.90	11	2,160.79	11	2,434.62	11	2,708.40
1/4	259.99	1/4	524.68	1/4	797.01	1/4	1,070.91	1/4	1,344.81	1/4	1,618.71	1/4	1,892.60	1/4	2,166.50	1/4	2,440.32	1/4	2,714.10
1/2	265.70	1/2	530.18	1/2	802.72	1/2	1,076.62	1/2	1,350.51	1/2	1,624.41	1/2	1,898.31	1/2	2,172.21	1/2	2,446.03	1/2	2,719.80
3/4	271.41	3/4	535.68	3/4	808.43	3/4	1,082.32	3/4	1,356.22	3/4	1,630.12	3/4	1,904.02	3/4	2,177.91	3/4	2,451.73	3/4	2,725.51

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF THE "MMC" VALVE.  
 GAUGE POINT: (MMC) LOCATED 14'-06" OFF CENTERLINE AND 25'-09" FORWARD OF AFT BULKHEAD.

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



# BARGE "KAYO"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,731.21	0	3,004.99	0	3,278.35	0	3,549.58	0		0		0		0		0		0	
1/4	2,736.91	1/4	3,010.69	1/4	3,284.04	1/4	3,554.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,742.62	1/2	3,016.40	1/2	3,289.73	1/2	3,558.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,748.32	3/4	3,022.10	3/4	3,295.42	3/4	3,563.60	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,754.03	1	3,027.80	1	3,301.11	1	3,568.27	1		1		1		1		1		1	
1/4	2,759.73	1/4	3,033.51	1/4	3,306.80	1/4	3,572.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,765.43	1/2	3,039.21	1/2	3,312.48	1/2	3,576.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,771.14	3/4	3,044.91	3/4	3,318.17	3/4	3,580.66	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,776.84	2	3,050.62	2	3,323.86	2	3,584.78	2		2		2		2		2		2	
1/4	2,782.54	1/4	3,056.32	1/4	3,329.55	1/4	3,588.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,788.25	1/2	3,062.03	1/2	3,335.24	1/2	3,591.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,793.95	3/4	3,067.73	3/4	3,340.93	3/4	3,595.54	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,799.65	3	3,073.43	3	3,346.61	3	3,599.13	3		3		3		3		3		3	
1/4	2,805.36	1/4	3,079.14	1/4	3,352.30	1/4	3,602.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,811.06	1/2	3,084.84	1/2	3,357.99	1/2	3,605.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,816.77	3/4	3,090.54	3/4	3,363.68	3/4	3,608.25	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,822.47	4	3,096.25	4	3,369.37	4		4		4		4		4		4		4	
1/4	2,828.17	1/4	3,101.95	1/4	3,375.06	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,833.88	1/2	3,107.65	1/2	3,380.75	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,839.58	3/4	3,113.36	3/4	3,386.43	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,845.28	5	3,119.06	5	3,392.12	5		5		5		5		5		5		5	
1/4	2,850.99	1/4	3,124.75	1/4	3,397.81	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,856.69	1/2	3,130.45	1/2	3,403.51	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,862.40	3/4	3,136.14	3/4	3,409.20	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,868.10	6	3,141.83	6	3,414.89	6		6		6		6		6		6		6	
1/4	2,873.80	1/4	3,147.52	1/4	3,420.58	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,879.51	1/2	3,153.21	1/2	3,426.27	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,885.21	3/4	3,158.89	3/4	3,431.96	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,890.91	7	3,164.58	7	3,437.65	7		7		7		7		7		7		7	
1/4	2,896.62	1/4	3,170.27	1/4	3,443.35	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,902.32	1/2	3,175.96	1/2	3,449.04	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,908.03	3/4	3,181.65	3/4	3,454.73	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,913.73	8	3,187.34	8	3,460.42	8		8		8		8		8		8		8	
1/4	2,919.43	1/4	3,193.03	1/4	3,466.11	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,925.14	1/2	3,198.71	1/2	3,471.80	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,930.84	3/4	3,204.40	3/4	3,477.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,936.54	9	3,210.09	9	3,483.18	9		9		9		9		9		9		9	
1/4	2,942.25	1/4	3,215.78	1/4	3,488.87	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,947.95	1/2	3,221.47	1/2	3,494.57	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,953.65	3/4	3,227.16	3/4	3,500.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,959.36	10	3,232.84	10	3,505.95	10		10		10		10		10		10		10	
1/4	2,965.06	1/4	3,238.53	1/4	3,511.64	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,970.77	1/2	3,244.22	1/2	3,517.33	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,976.47	3/4	3,249.91	3/4	3,523.02	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,982.17	11	3,255.60	11	3,528.71	11		11		11		11		11		11		11	
1/4	2,987.88	1/4	3,261.29	1/4	3,533.93	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,993.58	1/2	3,266.98	1/2	3,539.15	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,999.28	3/4	3,272.66	3/4	3,544.36	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/09/2017 SW  
CALCULATED: 03/09/2017 CL  
PRINTED: 04/8/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2017

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



# BARGE "KAYO"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	17.78	0	277.68	0	551.60	0	826.06	0	1,100.52	0	1,374.98	0	1,649.44	0	1,923.90	0	2,198.36	0	2,472.74
1/4	21.29	1/4	283.40	1/4	557.32	1/4	831.78	1/4	1,106.24	1/4	1,380.70	1/4	1,655.16	1/4	1,929.62	1/4	2,204.08	1/4	2,478.46
1/2	24.80	1/2	289.12	1/2	563.04	1/2	837.50	1/2	1,111.96	1/2	1,386.42	1/2	1,660.87	1/2	1,935.33	1/2	2,209.79	1/2	2,484.17
3/4	28.31	3/4	294.84	3/4	568.76	3/4	843.22	3/4	1,117.67	3/4	1,392.13	3/4	1,666.59	3/4	1,941.05	3/4	2,215.51	3/4	2,489.89
1	31.82	1	300.56	1	574.47	1	848.93	1	1,123.39	1	1,397.85	1	1,672.31	1	1,946.77	1	2,221.23	1	2,495.60
1/4	36.36	1/4	306.26	1/4	580.19	1/4	854.65	1/4	1,129.11	1/4	1,403.57	1/4	1,678.03	1/4	1,952.49	1/4	2,226.95	1/4	2,501.32
1/2	40.91	1/2	311.96	1/2	585.91	1/2	860.37	1/2	1,134.83	1/2	1,409.29	1/2	1,683.75	1/2	1,958.21	1/2	2,232.66	1/2	2,507.03
3/4	45.46	3/4	317.67	3/4	591.63	3/4	866.09	3/4	1,140.55	3/4	1,415.01	3/4	1,689.46	3/4	1,963.92	3/4	2,238.38	3/4	2,512.75
2	50.01	2	323.37	2	597.35	2	871.80	2	1,146.26	2	1,420.72	2	1,695.18	2	1,969.64	2	2,244.10	2	2,518.46
1/4	55.48	1/4	329.07	1/4	603.06	1/4	877.52	1/4	1,151.98	1/4	1,426.44	1/4	1,700.90	1/4	1,975.36	1/4	2,249.82	1/4	2,524.18
1/2	60.96	1/2	334.78	1/2	608.78	1/2	883.24	1/2	1,157.70	1/2	1,432.16	1/2	1,706.62	1/2	1,981.08	1/2	2,255.54	1/2	2,529.89
3/4	66.43	3/4	340.48	3/4	614.50	3/4	888.96	3/4	1,163.42	3/4	1,437.88	3/4	1,712.34	3/4	1,986.80	3/4	2,261.26	3/4	2,535.61
3	71.91	3	346.18	3	620.22	3	894.68	3	1,169.14	3	1,443.59	3	1,718.05	3	1,992.51	3	2,266.99	3	2,541.32
1/4	77.61	1/4	351.88	1/4	625.93	1/4	900.39	1/4	1,174.85	1/4	1,449.31	1/4	1,723.77	1/4	1,998.23	1/4	2,272.70	1/4	2,547.04
1/2	83.31	1/2	357.59	1/2	631.65	1/2	906.11	1/2	1,180.57	1/2	1,455.03	1/2	1,729.49	1/2	2,003.95	1/2	2,278.42	1/2	2,552.76
3/4	89.01	3/4	363.29	3/4	637.37	3/4	911.83	3/4	1,186.29	3/4	1,460.75	3/4	1,735.21	3/4	2,009.67	3/4	2,284.13	3/4	2,558.47
4	94.71	4	368.99	4	643.09	4	917.55	4	1,192.01	4	1,466.47	4	1,740.93	4	2,015.38	4	2,289.85	4	2,564.19
1/4	100.43	1/4	374.69	1/4	648.81	1/4	923.27	1/4	1,197.72	1/4	1,472.18	1/4	1,746.64	1/4	2,021.10	1/4	2,295.56	1/4	2,569.90
1/2	106.15	1/2	380.39	1/2	654.52	1/2	928.98	1/2	1,203.44	1/2	1,477.90	1/2	1,752.36	1/2	2,026.82	1/2	2,301.28	1/2	2,575.62
3/4	111.87	3/4	386.10	3/4	660.24	3/4	934.70	3/4	1,209.16	3/4	1,483.62	3/4	1,758.08	3/4	2,032.54	3/4	2,306.99	3/4	2,581.33
5	117.59	5	391.80	5	665.96	5	940.42	5	1,214.88	5	1,489.34	5	1,763.80	5	2,038.26	5	2,312.71	5	2,587.05
1/4	123.30	1/4	397.50	1/4	671.68	1/4	946.14	1/4	1,220.60	1/4	1,495.06	1/4	1,769.51	1/4	2,043.97	1/4	2,318.42	1/4	2,592.76
1/2	129.02	1/2	403.20	1/2	677.40	1/2	951.86	1/2	1,226.31	1/2	1,500.77	1/2	1,775.23	1/2	2,049.69	1/2	2,324.14	1/2	2,598.48
3/4	134.74	3/4	408.91	3/4	683.11	3/4	957.57	3/4	1,232.03	3/4	1,506.49	3/4	1,780.95	3/4	2,055.41	3/4	2,329.85	3/4	2,604.19
6	140.46	6	414.61	6	688.83	6	963.29	6	1,237.75	6	1,512.21	6	1,786.67	6	2,061.13	6	2,335.57	6	2,609.91
1/4	146.17	1/4	420.31	1/4	694.55	1/4	969.01	1/4	1,243.47	1/4	1,517.93	1/4	1,792.39	1/4	2,066.85	1/4	2,341.29	1/4	2,615.62
1/2	151.89	1/2	426.01	1/2	700.27	1/2	974.73	1/2	1,249.19	1/2	1,523.65	1/2	1,798.10	1/2	2,072.56	1/2	2,347.00	1/2	2,621.34
3/4	157.61	3/4	431.72	3/4	705.99	3/4	980.44	3/4	1,254.90	3/4	1,529.36	3/4	1,803.82	3/4	2,078.28	3/4	2,352.72	3/4	2,627.06
7	163.33	7	437.42	7	711.70	7	986.16	7	1,260.62	7	1,535.08	7	1,809.54	7	2,084.00	7	2,358.43	7	2,632.77
1/4	169.05	1/4	443.12	1/4	717.42	1/4	991.88	1/4	1,266.34	1/4	1,540.80	1/4	1,815.26	1/4	2,089.72	1/4	2,364.15	1/4	2,638.49
1/2	174.76	1/2	448.82	1/2	723.14	1/2	997.60	1/2	1,272.06	1/2	1,546.52	1/2	1,820.98	1/2	2,095.44	1/2	2,369.86	1/2	2,644.20
3/4	180.48	3/4	454.53	3/4	728.86	3/4	1,003.32	3/4	1,277.78	3/4	1,552.23	3/4	1,826.69	3/4	2,101.15	3/4	2,375.58	3/4	2,649.92
8	186.20	8	460.23	8	734.58	8	1,009.03	8	1,283.49	8	1,557.95	8	1,832.41	8	2,106.87	8	2,381.29	8	2,655.63
1/4	191.92	1/4	465.93	1/4	740.29	1/4	1,014.75	1/4	1,289.21	1/4	1,563.67	1/4	1,838.13	1/4	2,112.59	1/4	2,387.01	1/4	2,661.35
1/2	197.63	1/2	471.63	1/2	746.01	1/2	1,020.47	1/2	1,294.93	1/2	1,569.39	1/2	1,843.85	1/2	2,118.31	1/2	2,392.72	1/2	2,667.06
3/4	203.35	3/4	477.34	3/4	751.73	3/4	1,026.19	3/4	1,300.65	3/4	1,575.11	3/4	1,849.57	3/4	2,124.02	3/4	2,398.44	3/4	2,672.78
9	209.07	9	483.04	9	757.45	9	1,031.91	9	1,306.37	9	1,580.82	9	1,855.28	9	2,129.74	9	2,404.16	9	2,678.49
1/4	214.79	1/4	488.75	1/4	763.16	1/4	1,037.62	1/4	1,312.08	1/4	1,586.54	1/4	1,861.00	1/4	2,135.46	1/4	2,409.87	1/4	2,684.21
1/2	220.51	1/2	494.46	1/2	768.88	1/2	1,043.34	1/2	1,317.80	1/2	1,592.26	1/2	1,866.72	1/2	2,141.18	1/2	2,415.59	1/2	2,689.93
3/4	226.22	3/4	500.17	3/4	774.60	3/4	1,049.06	3/4	1,323.52	3/4	1,597.98	3/4	1,872.44	3/4	2,146.90	3/4	2,421.30	3/4	2,695.64
10	231.94	10	505.88	10	780.32	10	1,054.78	10	1,329.24	10	1,603.70	10	1,878.16	10	2,152.61	10	2,427.02	10	2,701.36
1/4	237.66	1/4	511.60	1/4	786.04	1/4	1,060.50	1/4	1,334.95	1/4	1,609.41	1/4	1,883.87	1/4	2,158.33	1/4	2,432.73	1/4	2,707.07
1/2	243.38	1/2	517.31	1/2	791.75	1/2	1,066.21	1/2	1,340.67	1/2	1,615.13	1/2	1,889.59	1/2	2,164.05	1/2	2,438.45	1/2	2,712.79
3/4	249.09	3/4	523.02	3/4	797.47	3/4	1,071.93	3/4	1,346.39	3/4	1,620.85	3/4	1,895.31	3/4	2,169.77	3/4	2,444.16	3/4	2,718.50
11	254.81	11	528.73	11	803.19	11	1,077.65	11	1,352.11	11	1,626.57	11	1,901.03	11	2,175.49	11	2,449.88	11	2,724.22
1/4	260.53	1/4	534.45	1/4	808.91	1/4	1,083.37	1/4	1,357.83	1/4	1,632.29	1/4	1,906.74	1/4	2,181.20	1/4	2,455.59	1/4	2,729.93
1/2	266.25	1/2	540.17	1/2	814.63	1/2	1,089.08	1/2	1,363.54	1/2	1,638.00	1/2	1,912.46	1/2	2,186.92	1/2	2,461.31	1/2	2,735.65
3/4	271.97	3/4	545.88	3/4	820.34	3/4	1,094.80	3/4	1,369.26	3/4	1,643.72	3/4	1,918.18	3/4	2,192.64	3/4	2,467.02	3/4	2,741.36

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF THE "MMC" VALVE.  
 GAUGE POINT: (MMC) LOCATED 14'-06" OFF CENTERLINE AND 25'-09" FORWARD OF AFT BULKHEAD.

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



# BARGE "KAYO"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,747.08	0	3,021.42	0	3,295.35	0	3,567.13	0		0		0		0		0		0	
1/4	2,752.79	1/4	3,027.13	1/4	3,301.05	1/4	3,571.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,758.51	1/2	3,032.85	1/2	3,306.75	1/2	3,576.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,764.23	3/4	3,038.56	3/4	3,312.45	3/4	3,581.18	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,769.94	1	3,044.28	1	3,318.15	1	3,585.86	1		1		1		1		1		1	
1/4	2,775.66	1/4	3,050.00	1/4	3,323.85	1/4	3,590.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,781.37	1/2	3,055.71	1/2	3,329.55	1/2	3,594.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,787.09	3/4	3,061.43	3/4	3,335.25	3/4	3,598.27	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,792.80	2	3,067.14	2	3,340.95	2	3,602.41	2		2		2		2		2		2	
1/4	2,798.52	1/4	3,072.86	1/4	3,346.65	1/4	3,606.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,804.23	1/2	3,078.57	1/2	3,352.35	1/2	3,609.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,809.95	3/4	3,084.29	3/4	3,358.05	3/4	3,613.19	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,815.66	3	3,090.00	3	3,363.75	3	3,616.78	3		3		3		3		3		3	
1/4	2,821.38	1/4	3,095.72	1/4	3,369.45	1/4	3,619.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,827.09	1/2	3,101.43	1/2	3,375.15	1/2	3,622.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,832.81	3/4	3,107.15	3/4	3,380.85	3/4	3,625.93	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,838.53	4	3,112.86	4	3,386.55	4		4		4		4		4		4		4	
1/4	2,844.24	1/4	3,118.58	1/4	3,392.25	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,849.96	1/2	3,124.30	1/2	3,397.95	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,855.67	3/4	3,130.01	3/4	3,403.65	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,861.39	5	3,135.73	5	3,409.35	5		5		5		5		5		5		5	
1/4	2,867.10	1/4	3,141.43	1/4	3,415.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,872.82	1/2	3,147.13	1/2	3,420.76	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,878.53	3/4	3,152.84	3/4	3,426.46	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,884.25	6	3,158.54	6	3,432.17	6		6		6		6		6		6		6	
1/4	2,889.96	1/4	3,164.24	1/4	3,437.87	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,895.68	1/2	3,169.94	1/2	3,443.57	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,901.39	3/4	3,175.64	3/4	3,449.27	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,907.11	7	3,181.34	7	3,454.98	7		7		7		7		7		7		7	
1/4	2,912.83	1/4	3,187.04	1/4	3,460.68	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,918.54	1/2	3,192.74	1/2	3,466.38	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,924.26	3/4	3,198.44	3/4	3,472.09	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,929.97	8	3,204.14	8	3,477.79	8		8		8		8		8		8		8	
1/4	2,935.69	1/4	3,209.84	1/4	3,483.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,941.40	1/2	3,215.54	1/2	3,489.19	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,947.12	3/4	3,221.24	3/4	3,494.90	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,952.83	9	3,226.95	9	3,500.60	9		9		9		9		9		9		9	
1/4	2,958.55	1/4	3,232.65	1/4	3,506.30	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,964.26	1/2	3,238.35	1/2	3,512.00	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,969.98	3/4	3,244.05	3/4	3,517.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,975.70	10	3,249.75	10	3,523.41	10		10		10		10		10		10		10	
1/4	2,981.41	1/4	3,255.45	1/4	3,529.11	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,987.13	1/2	3,261.15	1/2	3,534.82	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,992.84	3/4	3,266.85	3/4	3,540.52	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,998.56	11	3,272.55	11	3,546.22	11		11		11		11		11		11		11	
1/4	3,004.27	1/4	3,278.25	1/4	3,551.95	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,009.99	1/2	3,283.95	1/2	3,556.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,015.70	3/4	3,289.65	3/4	3,561.90	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/09/2017 SW  
CALCULATED: 03/09/2017 CL  
PRINTED: 04/8/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2017

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



# BARGE "KAYO"

## 4 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03"

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	17.78	0	277.63	0	542.19	0	815.66	0	1,090.07	0	1,364.48	0	1,638.89	0	1,913.31	0	2,187.72	0	2,462.03
1/4	21.29	1/4	283.34	1/4	547.70	1/4	821.38	1/4	1,095.79	1/4	1,370.20	1/4	1,644.61	1/4	1,919.02	1/4	2,193.43	1/4	2,467.74
1/2	24.79	1/2	289.06	1/2	553.21	1/2	827.09	1/2	1,101.51	1/2	1,375.92	1/2	1,650.33	1/2	1,924.74	1/2	2,199.15	1/2	2,473.45
3/4	28.30	3/4	294.78	3/4	558.71	3/4	832.81	3/4	1,107.22	3/4	1,381.63	3/4	1,656.05	3/4	1,930.46	3/4	2,204.87	3/4	2,479.17
1	31.81	1	300.49	1	564.22	1	838.53	1	1,112.94	1	1,387.35	1	1,661.76	1	1,936.17	1	2,210.58	1	2,484.88
1/4	36.36	1/4	306.01	1/4	569.91	1/4	844.25	1/4	1,118.66	1/4	1,393.07	1/4	1,667.48	1/4	1,941.89	1/4	2,216.30	1/4	2,490.60
1/2	40.90	1/2	311.53	1/2	575.60	1/2	849.96	1/2	1,124.37	1/2	1,398.78	1/2	1,673.20	1/2	1,947.61	1/2	2,222.02	1/2	2,496.31
3/4	45.45	3/4	317.04	3/4	581.29	3/4	855.68	3/4	1,130.09	3/4	1,404.50	3/4	1,678.91	3/4	1,953.32	3/4	2,227.74	3/4	2,502.03
2	50.00	2	322.56	2	586.98	2	861.40	2	1,135.81	2	1,410.22	2	1,684.63	2	1,959.04	2	2,233.45	2	2,507.74
1/4	55.47	1/4	328.05	1/4	592.70	1/4	867.11	1/4	1,141.52	1/4	1,415.94	1/4	1,690.35	1/4	1,964.76	1/4	2,239.17	1/4	2,513.45
1/2	60.95	1/2	333.53	1/2	598.42	1/2	872.83	1/2	1,147.24	1/2	1,421.65	1/2	1,696.06	1/2	1,970.47	1/2	2,244.88	1/2	2,519.17
3/4	66.42	3/4	339.02	3/4	604.14	3/4	878.55	3/4	1,152.96	3/4	1,427.37	3/4	1,701.78	3/4	1,976.19	3/4	2,250.60	3/4	2,524.88
3	71.89	3	344.51	3	609.85	3	884.26	3	1,158.67	3	1,433.09	3	1,707.50	3	1,981.91	3	2,256.31	3	2,530.60
1/4	77.59	1/4	349.99	1/4	615.57	1/4	889.98	1/4	1,164.39	1/4	1,438.80	1/4	1,713.21	1/4	1,987.63	1/4	2,262.03	1/4	2,536.31
1/2	83.30	1/2	355.48	1/2	621.29	1/2	895.70	1/2	1,170.11	1/2	1,444.52	1/2	1,718.93	1/2	1,993.34	1/2	2,267.74	1/2	2,542.03
3/4	89.00	3/4	360.97	3/4	627.00	3/4	901.41	3/4	1,175.83	3/4	1,450.24	3/4	1,724.65	3/4	1,999.06	3/4	2,273.45	3/4	2,547.74
4	94.70	4	366.45	4	632.72	4	907.13	4	1,181.54	4	1,455.95	4	1,730.36	4	2,004.78	4	2,279.17	4	2,553.45
1/4	100.41	1/4	371.94	1/4	638.44	1/4	912.85	1/4	1,187.26	1/4	1,461.67	1/4	1,736.08	1/4	2,010.49	1/4	2,284.88	1/4	2,559.17
1/2	106.13	1/2	377.43	1/2	644.15	1/2	918.57	1/2	1,192.98	1/2	1,467.39	1/2	1,741.80	1/2	2,016.21	1/2	2,290.60	1/2	2,564.88
3/4	111.85	3/4	382.91	3/4	649.87	3/4	924.28	3/4	1,198.69	3/4	1,473.10	3/4	1,747.52	3/4	2,021.93	3/4	2,296.31	3/4	2,570.60
5	117.56	5	388.40	5	655.59	5	930.00	5	1,204.41	5	1,478.82	5	1,753.23	5	2,027.64	5	2,302.03	5	2,576.31
1/4	123.28	1/4	393.89	1/4	661.30	1/4	935.72	1/4	1,210.13	1/4	1,484.54	1/4	1,758.95	1/4	2,033.36	1/4	2,307.74	1/4	2,582.03
1/2	129.00	1/2	399.38	1/2	667.02	1/2	941.43	1/2	1,215.84	1/2	1,490.26	1/2	1,764.67	1/2	2,039.08	1/2	2,313.45	1/2	2,587.74
3/4	134.71	3/4	404.86	3/4	672.74	3/4	947.15	3/4	1,221.56	3/4	1,495.97	3/4	1,770.38	3/4	2,044.79	3/4	2,319.17	3/4	2,593.45
6	140.43	6	410.35	6	678.46	6	952.87	6	1,227.28	6	1,501.69	6	1,776.10	6	2,050.51	6	2,324.88	6	2,599.17
1/4	146.15	1/4	415.84	1/4	684.17	1/4	958.58	1/4	1,232.99	1/4	1,507.41	1/4	1,781.82	1/4	2,056.23	1/4	2,330.60	1/4	2,604.88
1/2	151.86	1/2	421.32	1/2	689.89	1/2	964.30	1/2	1,238.71	1/2	1,513.12	1/2	1,787.53	1/2	2,061.95	1/2	2,336.31	1/2	2,610.60
3/4	157.58	3/4	426.81	3/4	695.61	3/4	970.02	3/4	1,244.43	3/4	1,518.84	3/4	1,793.25	3/4	2,067.66	3/4	2,342.03	3/4	2,616.31
7	163.30	7	432.30	7	701.32	7	975.73	7	1,250.15	7	1,524.56	7	1,798.97	7	2,073.38	7	2,347.74	7	2,622.03
1/4	169.01	1/4	437.78	1/4	707.04	1/4	981.45	1/4	1,255.86	1/4	1,530.27	1/4	1,804.68	1/4	2,079.10	1/4	2,353.45	1/4	2,627.74
1/2	174.73	1/2	443.27	1/2	712.76	1/2	987.17	1/2	1,261.58	1/2	1,535.99	1/2	1,810.40	1/2	2,084.81	1/2	2,359.17	1/2	2,633.45
3/4	180.45	3/4	448.76	3/4	718.47	3/4	992.88	3/4	1,267.30	3/4	1,541.71	3/4	1,816.12	3/4	2,090.53	3/4	2,364.88	3/4	2,639.17
8	186.16	8	454.24	8	724.19	8	998.60	8	1,273.01	8	1,547.42	8	1,821.84	8	2,096.25	8	2,370.60	8	2,644.88
1/4	191.88	1/4	459.73	1/4	729.91	1/4	1,004.32	1/4	1,278.73	1/4	1,553.14	1/4	1,827.55	1/4	2,101.96	1/4	2,376.31	1/4	2,650.60
1/2	197.59	1/2	465.22	1/2	735.62	1/2	1,010.04	1/2	1,284.45	1/2	1,558.86	1/2	1,833.27	1/2	2,107.68	1/2	2,382.03	1/2	2,656.31
3/4	203.31	3/4	470.71	3/4	741.34	3/4	1,015.75	3/4	1,290.16	3/4	1,564.57	3/4	1,838.99	3/4	2,113.40	3/4	2,387.74	3/4	2,662.03
9	209.03	9	476.19	9	747.06	9	1,021.47	9	1,295.88	9	1,570.29	9	1,844.70	9	2,119.11	9	2,393.45	9	2,667.74
1/4	214.74	1/4	481.69	1/4	752.78	1/4	1,027.19	1/4	1,301.60	1/4	1,576.01	1/4	1,850.42	1/4	2,124.83	1/4	2,399.17	1/4	2,673.45
1/2	220.46	1/2	487.18	1/2	758.49	1/2	1,032.90	1/2	1,307.31	1/2	1,581.73	1/2	1,856.14	1/2	2,130.55	1/2	2,404.88	1/2	2,679.17
3/4	226.18	3/4	492.68	3/4	764.21	3/4	1,038.62	3/4	1,313.03	3/4	1,587.44	3/4	1,861.85	3/4	2,136.26	3/4	2,410.60	3/4	2,684.88
10	231.89	10	498.18	10	769.93	10	1,044.34	10	1,318.75	10	1,593.16	10	1,867.57	10	2,141.98	10	2,416.31	10	2,690.60
1/4	237.61	1/4	503.67	1/4	775.64	1/4	1,050.05	1/4	1,324.47	1/4	1,598.88	1/4	1,873.29	1/4	2,147.70	1/4	2,422.03	1/4	2,696.31
1/2	243.33	1/2	509.17	1/2	781.36	1/2	1,055.77	1/2	1,330.18	1/2	1,604.59	1/2	1,879.00	1/2	2,153.42	1/2	2,427.74	1/2	2,702.03
3/4	249.04	3/4	514.67	3/4	787.08	3/4	1,061.49	3/4	1,335.90	3/4	1,610.31	3/4	1,884.72	3/4	2,159.13	3/4	2,433.45	3/4	2,707.74
11	254.76	11	520.16	11	792.79	11	1,067.20	11	1,341.62	11	1,616.03	11	1,890.44	11	2,164.85	11	2,439.17	11	2,713.45
1/4	260.48	1/4	525.67	1/4	798.51	1/4	1,072.92	1/4	1,347.33	1/4	1,621.74	1/4	1,896.15	1/4	2,170.57	1/4	2,444.88	1/4	2,719.17
1/2	266.19	1/2	531.18	1/2	804.23	1/2	1,078.64	1/2	1,353.05	1/2	1,627.46	1/2	1,901.87	1/2	2,176.28	1/2	2,450.60	1/2	2,724.88
3/4	271.91	3/4	536.68	3/4	809.94	3/4	1,084.36	3/4	1,358.77	3/4	1,633.18	3/4	1,907.59	3/4	2,182.00	3/4	2,456.31	3/4	2,730.60

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF THE "MMC" VALVE.  
 GAUGE POINT: (MMC) LOCATED 14'-06" OFF CENTERLINE AND 25'-09" FORWARD OF AFT BULKHEAD.

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



# BARGE "KAYO"

## 4 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,736.31	0	3,010.60	0	3,284.48	0	3,556.20	0		0		0		0		0		0	
1/4	2,742.03	1/4	3,016.31	1/4	3,290.18	1/4	3,560.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,747.74	1/2	3,022.03	1/2	3,295.88	1/2	3,565.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,753.45	3/4	3,027.74	3/4	3,301.58	3/4	3,570.25	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,759.17	1	3,033.46	1	3,307.28	1	3,574.93	1		1		1		1		1		1	
1/4	2,764.88	1/4	3,039.17	1/4	3,312.98	1/4	3,579.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,770.60	1/2	3,044.88	1/2	3,318.68	1/2	3,583.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,776.31	3/4	3,050.60	3/4	3,324.38	3/4	3,587.34	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,782.03	2	3,056.31	2	3,330.07	2	3,591.48	2		2		2		2		2		2	
1/4	2,787.74	1/4	3,062.03	1/4	3,335.77	1/4	3,595.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,793.46	1/2	3,067.74	1/2	3,341.47	1/2	3,598.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,799.17	3/4	3,073.46	3/4	3,347.17	3/4	3,602.25	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,804.88	3	3,079.17	3	3,352.87	3	3,605.84	3		3		3		3		3		3	
1/4	2,810.60	1/4	3,084.88	1/4	3,358.57	1/4	3,608.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,816.31	1/2	3,090.60	1/2	3,364.27	1/2	3,611.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,822.03	3/4	3,096.31	3/4	3,369.97	3/4	3,614.99	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,827.74	4	3,102.03	4	3,375.67	4		4		4		4		4		4		4	
1/4	2,833.46	1/4	3,107.74	1/4	3,381.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,839.17	1/2	3,113.46	1/2	3,387.07	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,844.88	3/4	3,119.17	3/4	3,392.77	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,850.60	5	3,124.88	5	3,398.47	5		5		5		5		5		5		5	
1/4	2,856.31	1/4	3,130.59	1/4	3,404.17	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,862.03	1/2	3,136.29	1/2	3,409.87	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,867.74	3/4	3,142.00	3/4	3,415.57	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,873.46	6	3,147.70	6	3,421.27	6		6		6		6		6		6		6	
1/4	2,879.17	1/4	3,153.40	1/4	3,426.97	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,884.88	1/2	3,159.10	1/2	3,432.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,890.60	3/4	3,164.80	3/4	3,438.38	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,896.31	7	3,170.50	7	3,444.08	7		7		7		7		7		7		7	
1/4	2,902.03	1/4	3,176.20	1/4	3,449.78	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,907.74	1/2	3,181.90	1/2	3,455.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,913.46	3/4	3,187.59	3/4	3,461.18	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,919.17	8	3,193.29	8	3,466.89	8		8		8		8		8		8		8	
1/4	2,924.88	1/4	3,198.99	1/4	3,472.59	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,930.60	1/2	3,204.69	1/2	3,478.29	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,936.31	3/4	3,210.39	3/4	3,483.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,942.03	9	3,216.09	9	3,489.69	9		9		9		9		9		9		9	
1/4	2,947.74	1/4	3,221.79	1/4	3,495.39	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,953.46	1/2	3,227.49	1/2	3,501.10	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,959.17	3/4	3,233.19	3/4	3,506.80	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,964.88	10	3,238.89	10	3,512.50	10		10		10		10		10		10		10	
1/4	2,970.60	1/4	3,244.59	1/4	3,518.20	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,976.31	1/2	3,250.29	1/2	3,523.90	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,982.03	3/4	3,255.99	3/4	3,529.60	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,987.74	11	3,261.68	11	3,535.31	11		11		11		11		11		11		11	
1/4	2,993.46	1/4	3,267.38	1/4	3,540.53	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,999.17	1/2	3,273.08	1/2	3,545.76	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,004.88	3/4	3,278.78	3/4	3,550.98	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/09/2017 SW  
CALCULATED: 03/09/2017 CL  
PRINTED: 04/8/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2017

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







# BARGE "KAYO"

## 4 STBD

## INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	17.77	0	277.58	0	551.41	0	825.77	0	1,100.13	0	1,374.50	0	1,648.86	0	1,923.22	0	2,197.59	0	2,471.87
1/4	21.28	1/4	283.30	1/4	557.12	1/4	831.49	1/4	1,105.85	1/4	1,380.21	1/4	1,654.57	1/4	1,928.94	1/4	2,203.30	1/4	2,477.58
1/2	24.79	1/2	289.01	1/2	562.84	1/2	837.20	1/2	1,111.56	1/2	1,385.93	1/2	1,660.29	1/2	1,934.65	1/2	2,209.02	1/2	2,483.29
3/4	28.30	3/4	294.73	3/4	568.55	3/4	842.92	3/4	1,117.28	3/4	1,391.64	3/4	1,666.01	3/4	1,940.37	3/4	2,214.73	3/4	2,489.01
1	31.80	1	300.45	1	574.27	1	848.63	1	1,123.00	1	1,397.36	1	1,671.72	1	1,946.09	1	2,220.45	1	2,494.72
1/4	36.35	1/4	306.15	1/4	579.99	1/4	854.35	1/4	1,128.71	1/4	1,403.08	1/4	1,677.44	1/4	1,951.80	1/4	2,226.16	1/4	2,500.43
1/2	40.90	1/2	311.85	1/2	585.70	1/2	860.06	1/2	1,134.43	1/2	1,408.79	1/2	1,683.15	1/2	1,957.52	1/2	2,231.88	1/2	2,506.15
3/4	45.45	3/4	317.55	3/4	591.42	3/4	865.78	3/4	1,140.14	3/4	1,414.51	3/4	1,688.87	3/4	1,963.23	3/4	2,237.60	3/4	2,511.86
2	49.99	2	323.26	2	597.13	2	871.50	2	1,145.86	2	1,420.22	2	1,694.59	2	1,968.95	2	2,243.31	2	2,517.57
1/4	55.46	1/4	328.96	1/4	602.85	1/4	877.21	1/4	1,151.58	1/4	1,425.94	1/4	1,700.30	1/4	1,974.67	1/4	2,249.03	1/4	2,523.29
1/2	60.94	1/2	334.66	1/2	608.57	1/2	882.93	1/2	1,157.29	1/2	1,431.65	1/2	1,706.02	1/2	1,980.38	1/2	2,254.75	1/2	2,529.00
3/4	66.41	3/4	340.36	3/4	614.28	3/4	888.64	3/4	1,163.01	3/4	1,437.37	3/4	1,711.73	3/4	1,986.10	3/4	2,260.47	3/4	2,534.71
3	71.88	3	346.06	3	620.00	3	894.36	3	1,168.72	3	1,443.09	3	1,717.45	3	1,991.81	3	2,266.18	3	2,540.43
1/4	77.58	1/4	351.76	1/4	625.71	1/4	900.08	1/4	1,174.44	1/4	1,448.80	1/4	1,723.17	1/4	1,997.53	1/4	2,271.90	1/4	2,546.14
1/2	83.28	1/2	357.46	1/2	631.43	1/2	905.79	1/2	1,180.16	1/2	1,454.52	1/2	1,728.88	1/2	2,003.24	1/2	2,277.61	1/2	2,551.85
3/4	88.98	3/4	363.16	3/4	637.14	3/4	911.51	3/4	1,185.87	3/4	1,460.23	3/4	1,734.60	3/4	2,008.96	3/4	2,283.32	3/4	2,557.57
4	94.68	4	368.86	4	642.86	4	917.22	4	1,191.59	4	1,465.95	4	1,740.31	4	2,014.68	4	2,289.04	4	2,563.28
1/4	100.40	1/4	374.56	1/4	648.58	1/4	922.94	1/4	1,197.30	1/4	1,471.67	1/4	1,746.03	1/4	2,020.39	1/4	2,294.75	1/4	2,568.99
1/2	106.11	1/2	380.26	1/2	654.29	1/2	928.66	1/2	1,203.02	1/2	1,477.38	1/2	1,751.75	1/2	2,026.11	1/2	2,300.46	1/2	2,574.71
3/4	111.83	3/4	385.96	3/4	660.01	3/4	934.37	3/4	1,208.73	3/4	1,483.10	3/4	1,757.46	3/4	2,031.82	3/4	2,306.18	3/4	2,580.42
5	117.54	5	391.66	5	665.72	5	940.09	5	1,214.45	5	1,488.81	5	1,763.18	5	2,037.54	5	2,311.89	5	2,586.13
1/4	123.26	1/4	397.36	1/4	671.44	1/4	945.80	1/4	1,220.17	1/4	1,494.53	1/4	1,768.89	1/4	2,043.26	1/4	2,317.60	1/4	2,591.85
1/2	128.97	1/2	403.06	1/2	677.16	1/2	951.52	1/2	1,225.88	1/2	1,500.25	1/2	1,774.61	1/2	2,048.97	1/2	2,323.32	1/2	2,597.56
3/4	134.69	3/4	408.76	3/4	682.87	3/4	957.24	3/4	1,231.60	3/4	1,505.96	3/4	1,780.32	3/4	2,054.69	3/4	2,329.03	3/4	2,603.27
6	140.41	6	414.46	6	688.59	6	962.95	6	1,237.31	6	1,511.68	6	1,786.04	6	2,060.40	6	2,334.74	6	2,608.99
1/4	146.12	1/4	420.16	1/4	694.30	1/4	968.67	1/4	1,243.03	1/4	1,517.39	1/4	1,791.76	1/4	2,066.12	1/4	2,340.46	1/4	2,614.70
1/2	151.84	1/2	425.86	1/2	700.02	1/2	974.38	1/2	1,248.75	1/2	1,523.11	1/2	1,797.47	1/2	2,071.84	1/2	2,346.17	1/2	2,620.41
3/4	157.55	3/4	431.56	3/4	705.74	3/4	980.10	3/4	1,254.46	3/4	1,528.83	3/4	1,803.19	3/4	2,077.55	3/4	2,351.88	3/4	2,626.13
7	163.27	7	437.26	7	711.45	7	985.81	7	1,260.18	7	1,534.54	7	1,808.90	7	2,083.27	7	2,357.60	7	2,631.84
1/4	168.98	1/4	442.96	1/4	717.17	1/4	991.53	1/4	1,265.89	1/4	1,540.26	1/4	1,814.62	1/4	2,088.98	1/4	2,363.31	1/4	2,637.55
1/2	174.70	1/2	448.66	1/2	722.88	1/2	997.25	1/2	1,271.61	1/2	1,545.97	1/2	1,820.34	1/2	2,094.70	1/2	2,369.02	1/2	2,643.27
3/4	180.42	3/4	454.37	3/4	728.60	3/4	1,002.96	3/4	1,277.33	3/4	1,551.69	3/4	1,826.05	3/4	2,100.42	3/4	2,374.74	3/4	2,648.98
8	186.13	8	460.07	8	734.32	8	1,008.68	8	1,283.04	8	1,557.40	8	1,831.77	8	2,106.13	8	2,380.45	8	2,654.69
1/4	191.85	1/4	465.77	1/4	740.03	1/4	1,014.39	1/4	1,288.76	1/4	1,563.12	1/4	1,837.48	1/4	2,111.85	1/4	2,386.16	1/4	2,660.41
1/2	197.56	1/2	471.47	1/2	745.75	1/2	1,020.11	1/2	1,294.47	1/2	1,568.84	1/2	1,843.20	1/2	2,117.56	1/2	2,391.88	1/2	2,666.12
3/4	203.28	3/4	477.17	3/4	751.46	3/4	1,025.83	3/4	1,300.19	3/4	1,574.55	3/4	1,848.92	3/4	2,123.28	3/4	2,397.59	3/4	2,671.83
9	208.99	9	482.87	9	757.18	9	1,031.54	9	1,305.91	9	1,580.27	9	1,854.63	9	2,128.99	9	2,403.30	9	2,677.55
1/4	214.71	1/4	488.58	1/4	762.89	1/4	1,037.26	1/4	1,311.62	1/4	1,585.98	1/4	1,860.35	1/4	2,134.71	1/4	2,409.02	1/4	2,683.26
1/2	220.43	1/2	494.29	1/2	768.61	1/2	1,042.97	1/2	1,317.34	1/2	1,591.70	1/2	1,866.06	1/2	2,140.43	1/2	2,414.73	1/2	2,688.97
3/4	226.14	3/4	499.99	3/4	774.33	3/4	1,048.69	3/4	1,323.05	3/4	1,597.42	3/4	1,871.78	3/4	2,146.14	3/4	2,420.44	3/4	2,694.69
10	231.86	10	505.70	10	780.04	10	1,054.41	10	1,328.77	10	1,603.13	10	1,877.49	10	2,151.86	10	2,426.16	10	2,700.40
1/4	237.57	1/4	511.41	1/4	785.76	1/4	1,060.12	1/4	1,334.48	1/4	1,608.85	1/4	1,883.21	1/4	2,157.57	1/4	2,431.87	1/4	2,706.11
1/2	243.29	1/2	517.12	1/2	791.47	1/2	1,065.84	1/2	1,340.20	1/2	1,614.56	1/2	1,888.93	1/2	2,163.29	1/2	2,437.58	1/2	2,711.83
3/4	249.00	3/4	522.84	3/4	797.19	3/4	1,071.55	3/4	1,345.92	3/4	1,620.28	3/4	1,894.64	3/4	2,169.01	3/4	2,443.30	3/4	2,717.54
11	254.72	11	528.55	11	802.91	11	1,077.27	11	1,351.63	11	1,626.00	11	1,900.36	11	2,174.72	11	2,449.01	11	2,723.25
1/4	260.44	1/4	534.26	1/4	808.62	1/4	1,082.98	1/4	1,357.35	1/4	1,631.71	1/4	1,906.07	1/4	2,180.44	1/4	2,454.72	1/4	2,728.97
1/2	266.15	1/2	539.98	1/2	814.34	1/2	1,088.70	1/2	1,363.06	1/2	1,637.43	1/2	1,911.79	1/2	2,186.15	1/2	2,460.44	1/2	2,734.68
3/4	271.87	3/4	545.69	3/4	820.05	3/4	1,094.42	3/4	1,368.78	3/4	1,643.14	3/4	1,917.51	3/4	2,191.87	3/4	2,466.15	3/4	2,740.39

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF THE "MMC" VALVE.  
 GAUGE POINT: (MMC) LOCATED 14'-06" OFF CENTERLINE AND 25'-09" FORWARD OF AFT BULKHEAD.

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

## 4 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,746.11	0	3,020.35	0	3,294.18	0	3,565.86	0		0		0		0		0		0	
1/4	2,751.82	1/4	3,026.06	1/4	3,299.88	1/4	3,570.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,757.54	1/2	3,031.78	1/2	3,305.58	1/2	3,575.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,763.25	3/4	3,037.49	3/4	3,311.28	3/4	3,579.90	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,768.96	1	3,043.21	1	3,316.98	1	3,584.58	1		1		1		1		1		1	
1/4	2,774.68	1/4	3,048.92	1/4	3,322.67	1/4	3,588.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,780.39	1/2	3,054.63	1/2	3,328.37	1/2	3,592.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,786.10	3/4	3,060.35	3/4	3,334.07	3/4	3,596.99	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,791.82	2	3,066.06	2	3,339.77	2	3,601.12	2		2		2		2		2		2	
1/4	2,797.53	1/4	3,071.77	1/4	3,345.47	1/4	3,604.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,803.24	1/2	3,077.49	1/2	3,351.17	1/2	3,608.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,808.96	3/4	3,083.20	3/4	3,356.86	3/4	3,611.90	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,814.67	3	3,088.91	3	3,362.56	3	3,615.49	3		3		3		3		3		3	
1/4	2,820.38	1/4	3,094.63	1/4	3,368.26	1/4	3,618.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,826.10	1/2	3,100.34	1/2	3,373.96	1/2	3,621.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,831.81	3/4	3,106.05	3/4	3,379.66	3/4	3,624.63	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,837.52	4	3,111.77	4	3,385.36	4		4		4		4		4		4		4	
1/4	2,843.24	1/4	3,117.48	1/4	3,391.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,848.95	1/2	3,123.19	1/2	3,396.75	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,854.66	3/4	3,128.91	3/4	3,402.45	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,860.38	5	3,134.62	5	3,408.15	5		5		5		5		5		5		5	
1/4	2,866.09	1/4	3,140.32	1/4	3,413.85	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,871.80	1/2	3,146.02	1/2	3,419.55	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,877.52	3/4	3,151.72	3/4	3,425.25	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,883.23	6	3,157.42	6	3,430.95	6		6		6		6		6		6		6	
1/4	2,888.94	1/4	3,163.12	1/4	3,436.65	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,894.66	1/2	3,168.82	1/2	3,442.35	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,900.37	3/4	3,174.52	3/4	3,448.05	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,906.08	7	3,180.22	7	3,453.75	7		7		7		7		7		7		7	
1/4	2,911.80	1/4	3,185.92	1/4	3,459.45	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,917.51	1/2	3,191.61	1/2	3,465.15	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,923.22	3/4	3,197.31	3/4	3,470.86	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,928.94	8	3,203.01	8	3,476.56	8		8		8		8		8		8		8	
1/4	2,934.65	1/4	3,208.71	1/4	3,482.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,940.36	1/2	3,214.41	1/2	3,487.96	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,946.08	3/4	3,220.11	3/4	3,493.66	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,951.79	9	3,225.80	9	3,499.36	9		9		9		9		9		9		9	
1/4	2,957.50	1/4	3,231.50	1/4	3,505.06	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,963.22	1/2	3,237.20	1/2	3,510.76	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,968.93	3/4	3,242.90	3/4	3,516.46	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,974.64	10	3,248.60	10	3,522.16	10		10		10		10		10		10		10	
1/4	2,980.36	1/4	3,254.29	1/4	3,527.86	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,986.07	1/2	3,259.99	1/2	3,533.56	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,991.78	3/4	3,265.69	3/4	3,539.27	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,997.50	11	3,271.39	11	3,544.97	11		11		11		11		11		11		11	
1/4	3,003.21	1/4	3,277.09	1/4	3,550.19	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,008.92	1/2	3,282.79	1/2	3,555.41	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,014.64	3/4	3,288.48	3/4	3,560.64	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/09/2017 SW  
CALCULATED: 03/09/2017 CL  
PRINTED: 04/8/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2017

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# BARGE "KAYO"

## 5 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 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	6.35	0	228.34	0	473.08	0	741.83	0	1,013.13	0	1,284.41	0	1,555.03	0	1,826.30	0	2,097.65	0	2,368.90
1/4	8.91	1/4	233.47	1/4	478.40	1/4	747.48	1/4	1,018.78	1/4	1,290.06	1/4	1,560.66	1/4	1,831.95	1/4	2,103.30	1/4	2,374.55
1/2	11.47	1/2	238.61	1/2	483.71	1/2	753.14	1/2	1,024.44	1/2	1,295.70	1/2	1,566.30	1/2	1,837.61	1/2	2,108.96	1/2	2,380.20
3/4	14.03	3/4	243.75	3/4	489.03	3/4	758.79	3/4	1,030.09	3/4	1,301.35	3/4	1,571.94	3/4	1,843.26	3/4	2,114.61	3/4	2,385.85
1	16.59	1	248.88	1	494.34	1	764.44	1	1,035.74	1	1,307.00	1	1,577.57	1	1,848.91	1	2,120.26	1	2,391.50
1/4	20.21	1/4	253.92	1/4	499.78	1/4	770.09	1/4	1,041.39	1/4	1,312.64	1/4	1,583.22	1/4	1,854.57	1/4	2,125.92	1/4	2,397.16
1/2	23.83	1/2	258.96	1/2	505.23	1/2	775.74	1/2	1,047.05	1/2	1,318.28	1/2	1,588.88	1/2	1,860.22	1/2	2,131.57	1/2	2,402.81
3/4	27.46	3/4	264.00	3/4	510.67	3/4	781.40	3/4	1,052.70	3/4	1,323.92	3/4	1,594.53	3/4	1,865.87	3/4	2,137.22	3/4	2,408.46
2	31.08	2	269.04	2	516.11	2	787.05	2	1,058.35	2	1,329.56	2	1,600.18	2	1,871.53	2	2,142.87	2	2,414.11
1/4	35.66	1/4	274.00	1/4	521.69	1/4	792.70	1/4	1,064.00	1/4	1,335.20	1/4	1,605.83	1/4	1,877.18	1/4	2,148.53	1/4	2,419.76
1/2	40.23	1/2	278.96	1/2	527.28	1/2	798.35	1/2	1,069.65	1/2	1,340.83	1/2	1,611.48	1/2	1,882.83	1/2	2,154.18	1/2	2,425.41
3/4	44.81	3/4	283.92	3/4	532.86	3/4	804.00	3/4	1,075.31	3/4	1,346.47	3/4	1,617.14	3/4	1,888.49	3/4	2,159.83	3/4	2,431.06
3	49.38	3	288.87	3	538.45	3	809.66	3	1,080.96	3	1,352.11	3	1,622.79	3	1,894.14	3	2,165.48	3	2,436.71
1/4	54.22	1/4	293.85	1/4	544.08	1/4	815.31	1/4	1,086.61	1/4	1,357.74	1/4	1,628.44	1/4	1,899.79	1/4	2,171.13	1/4	2,442.36
1/2	59.05	1/2	298.83	1/2	549.71	1/2	820.96	1/2	1,092.26	1/2	1,363.38	1/2	1,634.10	1/2	1,905.44	1/2	2,176.78	1/2	2,448.01
3/4	63.88	3/4	303.81	3/4	555.34	3/4	826.61	3/4	1,097.91	3/4	1,369.02	3/4	1,639.75	3/4	1,911.10	3/4	2,182.43	3/4	2,453.66
4	68.72	4	308.78	4	560.97	4	832.27	4	1,103.57	4	1,374.65	4	1,645.40	4	1,916.75	4	2,188.08	4	2,459.31
1/4	73.59	1/4	313.79	1/4	566.62	1/4	837.92	1/4	1,109.22	1/4	1,380.29	1/4	1,651.06	1/4	1,922.40	1/4	2,193.73	1/4	2,464.96
1/2	78.47	1/2	318.81	1/2	572.27	1/2	843.57	1/2	1,114.87	1/2	1,385.93	1/2	1,656.71	1/2	1,928.06	1/2	2,199.38	1/2	2,470.61
3/4	83.35	3/4	323.82	3/4	577.92	3/4	849.22	3/4	1,120.52	3/4	1,391.56	3/4	1,662.36	3/4	1,933.71	3/4	2,205.03	3/4	2,476.26
5	88.23	5	328.83	5	583.57	5	854.87	5	1,126.17	5	1,397.20	5	1,668.01	5	1,939.36	5	2,210.69	5	2,481.91
1/4	93.13	1/4	333.87	1/4	589.22	1/4	860.53	1/4	1,131.83	1/4	1,402.84	1/4	1,673.67	1/4	1,945.02	1/4	2,216.34	1/4	2,487.56
1/2	98.04	1/2	338.92	1/2	594.88	1/2	866.18	1/2	1,137.48	1/2	1,408.47	1/2	1,679.32	1/2	1,950.67	1/2	2,221.99	1/2	2,493.22
3/4	102.94	3/4	343.96	3/4	600.53	3/4	871.83	3/4	1,143.13	3/4	1,414.11	3/4	1,684.97	3/4	1,956.32	3/4	2,227.64	3/4	2,498.87
6	107.85	6	349.01	6	606.18	6	877.48	6	1,148.78	6	1,419.75	6	1,690.63	6	1,961.98	6	2,233.29	6	2,504.52
1/4	112.79	1/4	354.08	1/4	611.83	1/4	883.13	1/4	1,154.43	1/4	1,425.38	1/4	1,696.28	1/4	1,967.63	1/4	2,238.94	1/4	2,510.17
1/2	117.72	1/2	359.16	1/2	617.49	1/2	888.79	1/2	1,160.09	1/2	1,431.02	1/2	1,701.93	1/2	1,973.28	1/2	2,244.59	1/2	2,515.82
3/4	122.66	3/4	364.24	3/4	623.14	3/4	894.44	3/4	1,165.74	3/4	1,436.66	3/4	1,707.59	3/4	1,978.93	3/4	2,250.24	3/4	2,521.47
7	127.60	7	369.32	7	628.79	7	900.09	7	1,171.39	7	1,442.29	7	1,713.24	7	1,984.59	7	2,255.89	7	2,527.12
1/4	132.57	1/4	374.43	1/4	634.44	1/4	905.74	1/4	1,177.04	1/4	1,447.93	1/4	1,718.89	1/4	1,990.24	1/4	2,261.54	1/4	2,532.77
1/2	137.54	1/2	379.54	1/2	640.09	1/2	911.39	1/2	1,182.70	1/2	1,453.57	1/2	1,724.55	1/2	1,995.89	1/2	2,267.19	1/2	2,538.42
3/4	142.51	3/4	384.65	3/4	645.75	3/4	917.05	3/4	1,188.35	3/4	1,459.20	3/4	1,730.20	3/4	2,001.55	3/4	2,272.84	3/4	2,544.07
8	147.48	8	389.76	8	651.40	8	922.70	8	1,194.00	8	1,464.84	8	1,735.85	8	2,007.20	8	2,278.49	8	2,549.72
1/4	152.49	1/4	394.91	1/4	657.05	1/4	928.35	1/4	1,199.65	1/4	1,470.48	1/4	1,741.50	1/4	2,012.85	1/4	2,284.14	1/4	2,555.37
1/2	157.49	1/2	400.05	1/2	662.70	1/2	934.00	1/2	1,205.30	1/2	1,476.11	1/2	1,747.16	1/2	2,018.51	1/2	2,289.79	1/2	2,561.02
3/4	162.49	3/4	405.20	3/4	668.35	3/4	939.66	3/4	1,210.96	3/4	1,481.75	3/4	1,752.81	3/4	2,024.16	3/4	2,295.44	3/4	2,566.67
9	167.50	9	410.34	9	674.01	9	945.31	9	1,216.61	9	1,487.39	9	1,758.46	9	2,029.81	9	2,301.09	9	2,572.32
1/4	172.53	1/4	415.53	1/4	679.66	1/4	950.96	1/4	1,222.26	1/4	1,493.02	1/4	1,764.12	1/4	2,035.47	1/4	2,306.75	1/4	2,577.97
1/2	177.57	1/2	420.71	1/2	685.31	1/2	956.61	1/2	1,227.91	1/2	1,498.66	1/2	1,769.77	1/2	2,041.12	1/2	2,312.40	1/2	2,583.62
3/4	182.61	3/4	425.90	3/4	690.96	3/4	962.26	3/4	1,233.56	3/4	1,504.30	3/4	1,775.42	3/4	2,046.77	3/4	2,318.05	3/4	2,589.28
10	187.65	10	431.09	10	696.61	10	967.92	10	1,239.21	10	1,509.93	10	1,781.08	10	2,052.43	10	2,323.70	10	2,594.93
1/4	192.72	1/4	436.31	1/4	702.27	1/4	973.57	1/4	1,244.86	1/4	1,515.57	1/4	1,786.73	1/4	2,058.08	1/4	2,329.35	1/4	2,600.58
1/2	197.79	1/2	441.53	1/2	707.92	1/2	979.22	1/2	1,250.51	1/2	1,521.21	1/2	1,792.38	1/2	2,063.73	1/2	2,335.00	1/2	2,606.23
3/4	202.86	3/4	446.75	3/4	713.57	3/4	984.87	3/4	1,256.16	3/4	1,526.84	3/4	1,798.04	3/4	2,069.38	3/4	2,340.65	3/4	2,611.88
11	207.93	11	451.97	11	719.22	11	990.52	11	1,261.81	11	1,532.48	11	1,803.69	11	2,075.04	11	2,346.30	11	2,617.53
1/4	213.03	1/4	457.25	1/4	724.88	1/4	996.18	1/4	1,267.46	1/4	1,538.12	1/4	1,809.34	1/4	2,080.69	1/4	2,351.95	1/4	2,623.18
1/2	218.13	1/2	462.52	1/2	730.53	1/2	1,001.83	1/2	1,273.11	1/2	1,543.75	1/2	1,815.00	1/2	2,086.34	1/2	2,357.60	1/2	2,628.83
3/4	223.24	3/4	467.80	3/4	736.18	3/4	1,007.48	3/4	1,278.76	3/4	1,549.39	3/4	1,820.65	3/4	2,092.00	3/4	2,363.25	3/4	2,634.48

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF THE "MMC" VALVE.  
 GAUGE POINT: (MMC) LOCATED 14'-06" OFF CENTERLINE AND 25'-09" FORWARD OF AFT BULKHEAD.

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



# BARGE "KAYO"

## 5 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,640.13	0	2,911.36	0	3,182.17	0	3,450.85	0		0		0		0		0		0	
1/4	2,645.78	1/4	2,917.01	1/4	3,187.81	1/4	3,455.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,651.43	1/2	2,922.66	1/2	3,193.44	1/2	3,460.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,657.08	3/4	2,928.31	3/4	3,199.08	3/4	3,464.73	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,662.73	1	2,933.96	1	3,204.71	1	3,469.36	1		1		1		1		1		1	
1/4	2,668.38	1/4	2,939.61	1/4	3,210.35	1/4	3,473.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,674.03	1/2	2,945.26	1/2	3,215.98	1/2	3,477.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,679.69	3/4	2,950.91	3/4	3,221.62	3/4	3,481.62	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,685.34	2	2,956.56	2	3,227.25	2	3,485.70	2		2		2		2		2		2	
1/4	2,690.99	1/4	2,962.21	1/4	3,232.89	1/4	3,489.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,696.64	1/2	2,967.87	1/2	3,238.52	1/2	3,492.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,702.29	3/4	2,973.52	3/4	3,244.16	3/4	3,496.34	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,707.94	3	2,979.17	3	3,249.80	3	3,499.89	3		3		3		3		3		3	
1/4	2,713.59	1/4	2,984.82	1/4	3,255.43	1/4	3,502.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,719.24	1/2	2,990.47	1/2	3,261.07	1/2	3,505.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,724.89	3/4	2,996.12	3/4	3,266.70	3/4	3,508.91	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,730.54	4	3,001.77	4	3,272.34	4		4		4		4		4		4		4	
1/4	2,736.19	1/4	3,007.42	1/4	3,277.97	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,741.84	1/2	3,013.07	1/2	3,283.61	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,747.49	3/4	3,018.72	3/4	3,289.24	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,753.14	5	3,024.37	5	3,294.88	5		5		5		5		5		5		5	
1/4	2,758.79	1/4	3,030.01	1/4	3,300.52	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,764.44	1/2	3,035.65	1/2	3,306.15	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,770.09	3/4	3,041.28	3/4	3,311.79	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,775.75	6	3,046.92	6	3,317.43	6		6		6		6		6		6		6	
1/4	2,781.40	1/4	3,052.56	1/4	3,323.07	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,787.05	1/2	3,058.19	1/2	3,328.71	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,792.70	3/4	3,063.83	3/4	3,334.34	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,798.35	7	3,069.46	7	3,339.98	7		7		7		7		7		7		7	
1/4	2,804.00	1/4	3,075.10	1/4	3,345.62	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,809.65	1/2	3,080.73	1/2	3,351.26	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,815.30	3/4	3,086.37	3/4	3,356.90	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,820.95	8	3,092.00	8	3,362.53	8		8		8		8		8		8		8	
1/4	2,826.60	1/4	3,097.64	1/4	3,368.17	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,832.25	1/2	3,103.28	1/2	3,373.81	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,837.90	3/4	3,108.91	3/4	3,379.45	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,843.55	9	3,114.55	9	3,385.09	9		9		9		9		9		9		9	
1/4	2,849.20	1/4	3,120.18	1/4	3,390.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,854.85	1/2	3,125.82	1/2	3,396.36	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,860.50	3/4	3,131.45	3/4	3,402.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,866.15	10	3,137.09	10	3,407.64	10		10		10		10		10		10		10	
1/4	2,871.81	1/4	3,142.72	1/4	3,413.28	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,877.46	1/2	3,148.36	1/2	3,418.91	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,883.11	3/4	3,153.99	3/4	3,424.55	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,888.76	11	3,159.63	11	3,430.19	11		11		11		11		11		11		11	
1/4	2,894.41	1/4	3,165.26	1/4	3,435.36	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,900.06	1/2	3,170.90	1/2	3,440.52	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,905.71	3/4	3,176.54	3/4	3,445.69	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/09/2017 SW  
CALCULATED: 03/09/2017 CL  
PRINTED: 04/8/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2017

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



# BARGE "KAYO"

## 5 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04"

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	6.36	0	228.41	0	482.63	0	752.77	0	1,024.13	0	1,295.49	0	1,566.27	0	1,837.72	0	2,109.24	0	2,380.66
1/4	8.92	1/4	233.55	1/4	488.15	1/4	758.43	1/4	1,029.78	1/4	1,301.14	1/4	1,571.91	1/4	1,843.38	1/4	2,114.89	1/4	2,386.31
1/2	11.48	1/2	238.68	1/2	493.67	1/2	764.08	1/2	1,035.44	1/2	1,306.80	1/2	1,577.55	1/2	1,849.03	1/2	2,120.55	1/2	2,391.96
3/4	14.04	3/4	243.82	3/4	499.20	3/4	769.73	3/4	1,041.09	3/4	1,312.45	3/4	1,583.19	3/4	1,854.69	3/4	2,126.21	3/4	2,397.62
1	16.60	1	248.96	1	504.72	1	775.39	1	1,046.74	1	1,318.10	1	1,588.83	1	1,860.35	1	2,131.86	1	2,403.27
1/4	20.22	1/4	254.11	1/4	510.28	1/4	781.04	1/4	1,052.40	1/4	1,323.74	1/4	1,594.49	1/4	1,866.00	1/4	2,137.52	1/4	2,408.93
1/2	23.85	1/2	259.26	1/2	515.83	1/2	786.69	1/2	1,058.05	1/2	1,329.39	1/2	1,600.15	1/2	1,871.66	1/2	2,143.18	1/2	2,414.58
3/4	27.47	3/4	264.41	3/4	521.39	3/4	792.35	3/4	1,063.70	3/4	1,335.03	3/4	1,605.80	3/4	1,877.32	3/4	2,148.83	3/4	2,420.23
2	31.10	2	269.56	2	526.95	2	798.00	2	1,069.36	2	1,340.67	2	1,611.46	2	1,882.97	2	2,154.49	2	2,425.89
1/4	35.67	1/4	274.74	1/4	532.55	1/4	803.65	1/4	1,075.01	1/4	1,346.31	1/4	1,617.11	1/4	1,888.63	1/4	2,160.14	1/4	2,431.54
1/2	40.25	1/2	279.91	1/2	538.15	1/2	809.31	1/2	1,080.66	1/2	1,351.95	1/2	1,622.77	1/2	1,894.29	1/2	2,165.80	1/2	2,437.20
3/4	44.83	3/4	285.08	3/4	543.75	3/4	814.96	3/4	1,086.32	3/4	1,357.59	3/4	1,628.43	3/4	1,899.94	3/4	2,171.45	3/4	2,442.85
3	49.40	3	290.26	3	549.35	3	820.61	3	1,091.97	3	1,363.23	3	1,634.08	3	1,905.60	3	2,177.11	3	2,448.50
1/4	54.24	1/4	295.47	1/4	554.98	1/4	826.27	1/4	1,097.62	1/4	1,368.87	1/4	1,639.74	1/4	1,911.26	1/4	2,182.76	1/4	2,454.16
1/2	59.07	1/2	300.67	1/2	560.61	1/2	831.92	1/2	1,103.28	1/2	1,374.51	1/2	1,645.40	1/2	1,916.91	1/2	2,188.42	1/2	2,459.81
3/4	63.91	3/4	305.88	3/4	566.24	3/4	837.57	3/4	1,108.93	3/4	1,380.15	3/4	1,651.05	3/4	1,922.57	3/4	2,194.07	3/4	2,465.47
4	68.74	4	311.09	4	571.88	4	843.23	4	1,114.58	4	1,385.79	4	1,656.71	4	1,928.23	4	2,199.72	4	2,471.12
1/4	73.62	1/4	316.32	1/4	577.53	1/4	848.88	1/4	1,120.24	1/4	1,391.43	1/4	1,662.37	1/4	1,933.88	1/4	2,205.38	1/4	2,476.77
1/2	78.50	1/2	321.56	1/2	583.18	1/2	854.53	1/2	1,125.89	1/2	1,397.07	1/2	1,668.02	1/2	1,939.54	1/2	2,211.03	1/2	2,482.43
3/4	83.38	3/4	326.80	3/4	588.83	3/4	860.19	3/4	1,131.54	3/4	1,402.71	3/4	1,673.68	3/4	1,945.20	3/4	2,216.69	3/4	2,488.08
5	88.26	5	332.04	5	594.48	5	865.84	5	1,137.20	5	1,408.35	5	1,679.34	5	1,950.85	5	2,222.34	5	2,493.74
1/4	93.17	1/4	337.32	1/4	600.13	1/4	871.49	1/4	1,142.85	1/4	1,413.99	1/4	1,684.99	1/4	1,956.51	1/4	2,227.99	1/4	2,499.39
1/2	98.07	1/2	342.59	1/2	605.79	1/2	877.15	1/2	1,148.50	1/2	1,419.63	1/2	1,690.65	1/2	1,962.17	1/2	2,233.65	1/2	2,505.05
3/4	102.98	3/4	347.87	3/4	611.44	3/4	882.80	3/4	1,154.16	3/4	1,425.27	3/4	1,696.31	3/4	1,967.82	3/4	2,239.30	3/4	2,510.70
6	107.89	6	353.14	6	617.09	6	888.45	6	1,159.81	6	1,430.91	6	1,701.96	6	1,973.48	6	2,244.96	6	2,516.35
1/4	112.83	1/4	358.45	1/4	622.75	1/4	894.11	1/4	1,165.46	1/4	1,436.55	1/4	1,707.62	1/4	1,979.14	1/4	2,250.61	1/4	2,522.01
1/2	117.77	1/2	363.75	1/2	628.40	1/2	899.76	1/2	1,171.12	1/2	1,442.19	1/2	1,713.28	1/2	1,984.79	1/2	2,256.26	1/2	2,527.66
3/4	122.70	3/4	369.06	3/4	634.05	3/4	905.41	3/4	1,176.77	3/4	1,447.83	3/4	1,718.93	3/4	1,990.45	3/4	2,261.92	3/4	2,533.32
7	127.64	7	374.37	7	639.71	7	911.07	7	1,182.42	7	1,453.47	7	1,724.59	7	1,996.11	7	2,267.57	7	2,538.97
1/4	132.62	1/4	379.71	1/4	645.36	1/4	916.72	1/4	1,188.08	1/4	1,459.11	1/4	1,730.25	1/4	2,001.76	1/4	2,273.23	1/4	2,544.62
1/2	137.59	1/2	385.05	1/2	651.01	1/2	922.37	1/2	1,193.73	1/2	1,464.75	1/2	1,735.90	1/2	2,007.42	1/2	2,278.88	1/2	2,550.28
3/4	142.56	3/4	390.39	3/4	656.67	3/4	928.02	3/4	1,199.38	3/4	1,470.39	3/4	1,741.56	3/4	2,013.08	3/4	2,284.54	3/4	2,555.93
8	147.53	8	395.73	8	662.32	8	933.68	8	1,205.04	8	1,476.03	8	1,747.22	8	2,018.73	8	2,290.19	8	2,561.59
1/4	152.54	1/4	401.10	1/4	667.97	1/4	939.33	1/4	1,210.69	1/4	1,481.67	1/4	1,752.87	1/4	2,024.39	1/4	2,295.84	1/4	2,567.24
1/2	157.54	1/2	406.47	1/2	673.63	1/2	944.98	1/2	1,216.34	1/2	1,487.31	1/2	1,758.53	1/2	2,030.05	1/2	2,301.50	1/2	2,572.89
3/4	162.55	3/4	411.85	3/4	679.28	3/4	950.64	3/4	1,222.00	3/4	1,492.95	3/4	1,764.18	3/4	2,035.70	3/4	2,307.15	3/4	2,578.55
9	167.55	9	417.22	9	684.93	9	956.29	9	1,227.65	9	1,498.59	9	1,769.84	9	2,041.36	9	2,312.81	9	2,584.20
1/4	172.59	1/4	422.64	1/4	690.59	1/4	961.94	1/4	1,233.30	1/4	1,504.23	1/4	1,775.50	1/4	2,047.01	1/4	2,318.46	1/4	2,589.86
1/2	177.63	1/2	428.05	1/2	696.24	1/2	967.60	1/2	1,238.96	1/2	1,509.87	1/2	1,781.15	1/2	2,052.67	1/2	2,324.11	1/2	2,595.51
3/4	182.67	3/4	433.47	3/4	701.89	3/4	973.25	3/4	1,244.61	3/4	1,515.51	3/4	1,786.81	3/4	2,058.33	3/4	2,329.77	3/4	2,601.17
10	187.71	10	438.88	10	707.55	10	978.90	10	1,250.26	10	1,521.15	10	1,792.47	10	2,063.98	10	2,335.42	10	2,606.82
1/4	192.78	1/4	444.33	1/4	713.20	1/4	984.56	1/4	1,255.92	1/4	1,526.79	1/4	1,798.12	1/4	2,069.64	1/4	2,341.08	1/4	2,612.47
1/2	197.85	1/2	449.78	1/2	718.85	1/2	990.21	1/2	1,261.57	1/2	1,532.43	1/2	1,803.78	1/2	2,075.30	1/2	2,346.73	1/2	2,618.13
3/4	202.92	3/4	455.23	3/4	724.51	3/4	995.86	3/4	1,267.22	3/4	1,538.07	3/4	1,809.44	3/4	2,080.95	3/4	2,352.38	3/4	2,623.78
11	207.99	11	460.68	11	730.16	11	1,001.52	11	1,272.88	11	1,543.71	11	1,815.09	11	2,086.61	11	2,358.04	11	2,629.44
1/4	213.10	1/4	466.17	1/4	735.81	1/4	1,007.17	1/4	1,278.53	1/4	1,549.35	1/4	1,820.75	1/4	2,092.27	1/4	2,363.69	1/4	2,635.09
1/2	218.20	1/2	471.66	1/2	741.47	1/2	1,012.82	1/2	1,284.18	1/2	1,554.99	1/2	1,826.41	1/2	2,097.92	1/2	2,369.35	1/2	2,640.74
3/4	223.31	3/4	477.14	3/4	747.12	3/4	1,018.48	3/4	1,289.84	3/4	1,560.63	3/4	1,832.06	3/4	2,103.58	3/4	2,375.00	3/4	2,646.40

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF THE "MMC" VALVE.  
 GAUGE POINT: (MMC) LOCATED 14'-06" OFF CENTERLINE AND 25'-09" FORWARD OF AFT BULKHEAD.

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



# BARGE "KAYO"

## 5 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,652.05	0	2,923.45	0	3,194.42	0	3,463.27	0		0		0		0		0		0	
1/4	2,657.71	1/4	2,929.10	1/4	3,200.06	1/4	3,467.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,663.36	1/2	2,934.76	1/2	3,205.70	1/2	3,472.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,669.01	3/4	2,940.41	3/4	3,211.34	3/4	3,477.16	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,674.67	1	2,946.07	1	3,216.98	1	3,481.79	1		1		1		1		1		1	
1/4	2,680.32	1/4	2,951.72	1/4	3,222.62	1/4	3,485.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,685.98	1/2	2,957.37	1/2	3,228.26	1/2	3,489.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,691.63	3/4	2,963.03	3/4	3,233.90	3/4	3,494.06	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,697.28	2	2,968.68	2	3,239.54	2	3,498.15	2		2		2		2		2		2	
1/4	2,702.94	1/4	2,974.34	1/4	3,245.17	1/4	3,501.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,708.59	1/2	2,979.99	1/2	3,250.81	1/2	3,505.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,714.25	3/4	2,985.64	3/4	3,256.45	3/4	3,508.80	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,719.90	3	2,991.30	3	3,262.09	3	3,512.35	3		3		3		3		3		3	
1/4	2,725.56	1/4	2,996.95	1/4	3,267.73	1/4	3,515.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,731.21	1/2	3,002.61	1/2	3,273.37	1/2	3,518.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,736.86	3/4	3,008.26	3/4	3,279.01	3/4	3,521.38	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,742.52	4	3,013.91	4	3,284.65	4		4		4		4		4		4		4	
1/4	2,748.17	1/4	3,019.57	1/4	3,290.29	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,753.83	1/2	3,025.22	1/2	3,295.92	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,759.48	3/4	3,030.88	3/4	3,301.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	2,765.13	5	3,036.53	5	3,307.20	5		5		5		5		5		5		5	
1/4	2,770.79	1/4	3,042.17	1/4	3,312.84	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,776.44	1/2	3,047.81	1/2	3,318.49	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,782.10	3/4	3,053.45	3/4	3,324.13	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	2,787.75	6	3,059.09	6	3,329.77	6		6		6		6		6		6		6	
1/4	2,793.40	1/4	3,064.73	1/4	3,335.41	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,799.06	1/2	3,070.37	1/2	3,341.05	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,804.71	3/4	3,076.01	3/4	3,346.69	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,810.37	7	3,081.65	7	3,352.34	7		7		7		7		7		7		7	
1/4	2,816.02	1/4	3,087.28	1/4	3,357.98	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,821.67	1/2	3,092.92	1/2	3,363.62	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,827.33	3/4	3,098.56	3/4	3,369.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,832.98	8	3,104.20	8	3,374.90	8		8		8		8		8		8		8	
1/4	2,838.64	1/4	3,109.84	1/4	3,380.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,844.29	1/2	3,115.48	1/2	3,386.18	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,849.95	3/4	3,121.12	3/4	3,391.83	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,855.60	9	3,126.76	9	3,397.47	9		9		9		9		9		9		9	
1/4	2,861.25	1/4	3,132.40	1/4	3,403.11	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,866.91	1/2	3,138.03	1/2	3,408.75	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,872.56	3/4	3,143.67	3/4	3,414.39	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,878.22	10	3,149.31	10	3,420.03	10		10		10		10		10		10		10	
1/4	2,883.87	1/4	3,154.95	1/4	3,425.67	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,889.52	1/2	3,160.59	1/2	3,431.32	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,895.18	3/4	3,166.23	3/4	3,436.96	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,900.83	11	3,171.87	11	3,442.60	11		11		11		11		11		11		11	
1/4	2,906.49	1/4	3,177.51	1/4	3,447.77	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,912.14	1/2	3,183.15	1/2	3,452.94	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,917.79	3/4	3,188.79	3/4	3,458.10	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/09/2017 SW  
CALCULATED: 03/09/2017 CL  
PRINTED: 04/8/2017 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2017

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