



BARGE "MM 17B"

INNAGE TRIM TABLE MMC

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
4 PORT	- 00-1/2	00-1/2	- 01-0/8	01-0/8	- 01-1/2	01-1/2	- 01-7/8	01-7/8	- 02-3/8	02-3/8	- 02-7/8	02-7/8
4 STBD	- 00-1/2	00-1/2	- 01-0/8	01-0/8	- 01-1/2	01-1/2	- 01-7/8	01-7/8	- 02-3/8	02-3/8	- 02-7/8	02-7/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 4 PORT IS 01-0/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 4 PORT, THE TRIM CORRECTED INNAGE IS 4'-01 0/8"

LENGTH BETWEEN DRAFT MARKS: 283'-03"

January 7, 2016

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

<http://www.pmacorp.net>



BARGE "MM 17B"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.
0	16.38	0	286.66	0	565.19	0	843.75	0	1,123.73	0	1,403.79	0	1,684.60	0	1,965.49	0	2,246.32	0	2,527.16	0	2,807.03	0	
1/4	21.15	1/4	292.31	1/4	571.04	1/4	849.54	1/4	1,129.55	1/4	1,409.64	1/4	1,690.45	1/4	1,971.34	1/4	2,252.17	1/4	2,533.01	1/4	2,812.85	1/4	
1/2	25.93	1/2	297.96	1/2	576.89	1/2	855.33	1/2	1,135.37	1/2	1,415.49	1/2	1,696.31	1/2	1,977.19	1/2	2,258.02	1/2	2,538.86	1/2	2,818.66	1/2	
3/4	30.70	3/4	303.61	3/4	582.75	3/4	861.12	3/4	1,141.18	3/4	1,421.34	3/4	1,702.16	3/4	1,983.04	3/4	2,263.87	3/4	2,544.71	3/4	2,824.47	3/4	
1	35.48	1	309.27	1	588.60	1	866.91	1	1,147.00	1	1,427.20	1	1,708.01	1	1,988.90	1	2,269.72	1	2,550.56	1	2,830.28	1	
1/4	41.06	1/4	314.92	1/4	594.45	1/4	872.71	1/4	1,152.82	1/4	1,433.05	1/4	1,713.86	1/4	1,994.75	1/4	2,275.57	1/4	2,556.41	1/4	2,836.09	1/4	
1/2	46.63	1/2	320.57	1/2	600.31	1/2	878.51	1/2	1,158.64	1/2	1,438.90	1/2	1,719.71	1/2	2,000.60	1/2	2,281.42	1/2	2,562.26	1/2	2,841.90	1/2	
3/4	52.21	3/4	326.23	3/4	606.16	3/4	884.30	3/4	1,164.46	3/4	1,444.75	3/4	1,725.56	3/4	2,006.45	3/4	2,287.28	3/4	2,568.11	3/4	2,847.71	3/4	
2	57.79	2	331.88	2	612.01	2	890.10	2	1,170.28	2	1,450.60	2	1,731.42	2	2,012.30	2	2,293.13	2	2,573.96	2	2,853.52	2	
1/4	63.40	1/4	337.53	1/4	617.86	1/4	895.90	1/4	1,176.09	1/4	1,456.45	1/4	1,737.27	1/4	2,018.15	1/4	2,298.98	1/4	2,579.82	1/4	2,859.33	1/4	
1/2	69.01	1/2	343.18	1/2	623.72	1/2	901.69	1/2	1,181.91	1/2	1,462.29	1/2	1,743.12	1/2	2,024.01	1/2	2,304.83	1/2	2,585.67	1/2	2,865.14	1/2	
3/4	74.62	3/4	348.84	3/4	629.57	3/4	907.49	3/4	1,187.72	3/4	1,468.13	3/4	1,748.97	3/4	2,029.86	3/4	2,310.68	3/4	2,591.52	3/4	2,870.95	3/4	
3	80.23	3	354.49	3	635.42	3	913.29	3	1,193.53	3	1,473.97	3	1,754.82	3	2,035.71	3	2,316.53	3	2,597.37	3	2,876.76	3	
1/4	85.85	1/4	360.34	1/4	641.21	1/4	919.11	1/4	1,199.35	1/4	1,479.82	1/4	1,760.68	1/4	2,041.56	1/4	2,322.38	1/4	2,603.22	1/4	2,882.57	1/4	
1/2	91.46	1/2	366.19	1/2	647.00	1/2	924.93	1/2	1,205.16	1/2	1,485.66	1/2	1,766.53	1/2	2,047.41	1/2	2,328.23	1/2	2,609.07	1/2	2,888.38	1/2	
3/4	97.08	3/4	372.05	3/4	652.79	3/4	930.75	3/4	1,210.98	3/4	1,491.50	3/4	1,772.38	3/4	2,053.27	3/4	2,334.08	3/4	2,614.92	3/4	2,894.20	3/4	
4	102.70	4	377.90	4	658.57	4	936.57	4	1,216.79	4	1,497.34	4	1,778.23	4	2,059.12	4	2,339.93	4	2,620.77	4	2,900.01	4	
1/4	108.33	1/4	383.75	1/4	664.36	1/4	942.38	1/4	1,222.61	1/4	1,503.20	1/4	1,784.08	1/4	2,064.97	1/4	2,345.78	1/4	2,626.62	1/4	2,905.82	1/4	
1/2	113.96	1/2	389.60	1/2	670.15	1/2	948.20	1/2	1,228.43	1/2	1,509.05	1/2	1,789.93	1/2	2,070.82	1/2	2,351.63	1/2	2,632.47	1/2	2,911.63	1/2	
3/4	119.59	3/4	395.46	3/4	675.93	3/4	954.02	3/4	1,234.25	3/4	1,514.90	3/4	1,795.79	3/4	2,076.67	3/4	2,357.49	3/4	2,638.32	3/4	2,917.44	3/4	
5	125.22	5	401.31	5	681.72	5	959.84	5	1,240.07	5	1,520.75	5	1,801.64	5	2,082.52	5	2,363.34	5	2,644.17	5	2,923.25	5	
1/4	130.95	1/4	407.16	1/4	687.50	1/4	965.70	1/4	1,245.88	1/4	1,526.60	1/4	1,807.49	1/4	2,088.38	1/4	2,369.19	1/4	2,650.03	1/4	2,928.61	1/4	
1/2	136.69	1/2	413.02	1/2	693.29	1/2	971.55	1/2	1,251.70	1/2	1,532.46	1/2	1,813.34	1/2	2,094.23	1/2	2,375.04	1/2	2,655.88	1/2	2,933.98	1/2	
3/4	142.43	3/4	418.87	3/4	699.07	3/4	977.40	3/4	1,257.52	3/4	1,538.31	3/4	1,819.19	3/4	2,100.08	3/4	2,380.89	3/4	2,661.73	3/4	2,939.34	3/4	
6	148.17	6	424.72	6	704.86	6	983.25	6	1,263.34	6	1,544.16	6	1,825.05	6	2,105.93	6	2,386.74	6	2,667.58	6	2,944.71	6	
1/4	154.00	1/4	430.57	1/4	710.64	1/4	989.11	1/4	1,269.19	1/4	1,550.01	1/4	1,830.90	1/4	2,111.78	1/4	2,392.59	1/4	2,673.39	1/4	2,949.10	1/4	
1/2	159.83	1/2	436.43	1/2	716.43	1/2	994.96	1/2	1,275.04	1/2	1,555.86	1/2	1,836.75	1/2	2,117.64	1/2	2,398.44	1/2	2,679.20	1/2	2,953.48	1/2	
3/4	165.66	3/4	442.28	3/4	722.22	3/4	1,000.81	3/4	1,280.90	3/4	1,561.71	3/4	1,842.60	3/4	2,123.49	3/4	2,404.29	3/4	2,685.01	3/4	2,957.87	3/4	
7	171.49	7	448.13	7	728.00	7	1,006.67	7	1,286.75	7	1,567.57	7	1,848.45	7	2,129.34	7	2,410.14	7	2,690.82	7	2,962.26	7	
1/4	177.33	1/4	453.99	1/4	733.79	1/4	1,012.52	1/4	1,292.60	1/4	1,573.42	1/4	1,854.30	1/4	2,135.19	1/4	2,415.99	1/4	2,696.63	1/4	2,965.67	1/4	
1/2	183.16	1/2	459.84	1/2	739.57	1/2	1,018.37	1/2	1,298.45	1/2	1,579.27	1/2	1,860.16	1/2	2,141.04	1/2	2,421.84	1/2	2,702.44	1/2		1/2	
3/4	188.99	3/4	465.69	3/4	745.36	3/4	1,024.23	3/4	1,304.30	3/4	1,585.12	3/4	1,866.01	3/4	2,146.89	3/4	2,427.69	3/4	2,708.25	3/4		3/4	
8	194.82	8	471.54	8	751.14	8	1,030.08	8	1,310.16	8	1,590.97	8	1,871.86	8	2,152.75	8	2,433.55	8	2,714.06	8		8	
1/4	200.66	1/4	477.40	1/4	756.93	1/4	1,035.93	1/4	1,316.01	1/4	1,596.83	1/4	1,877.71	1/4	2,158.60	1/4	2,439.40	1/4	2,719.87	1/4		1/4	
1/2	206.49	1/2	483.25	1/2	762.72	1/2	1,041.79	1/2	1,321.86	1/2	1,602.68	1/2	1,883.56	1/2	2,164.45	1/2	2,445.25	1/2	2,725.68	1/2		1/2	
3/4	212.32	3/4	489.10	3/4	768.50	3/4	1,047.64	3/4	1,327.71	3/4	1,608.53	3/4	1,889.42	3/4	2,170.30	3/4	2,451.10	3/4	2,731.50	3/4		3/4	
9	218.15	9	494.96	9	774.29	9	1,053.49	9	1,333.56	9	1,614.38	9	1,895.27	9	2,176.15	9	2,456.95	9	2,737.31	9		9	
1/4	223.99	1/4	500.81	1/4	780.07	1/4	1,059.35	1/4	1,339.42	1/4	1,620.23	1/4	1,901.12	1/4	2,182.01	1/4	2,462.80	1/4	2,743.12	1/4		1/4	
1/2	229.84	1/2	506.66	1/2	785.86	1/2	1,065.20	1/2	1,345.27	1/2	1,626.08	1/2	1,906.97	1/2	2,187.86	1/2	2,468.65	1/2	2,748.93	1/2		1/2	
3/4	235.68	3/4	512.51	3/4	791.65	3/4	1,071.05	3/4	1,351.12	3/4	1,631.94	3/4	1,912.82	3/4	2,193.71	3/4	2,474.50	3/4	2,754.74	3/4		3/4	
10	241.52	10	518.37	10	797.44	10	1,076.90	10	1,356.97	10	1,637.79	10	1,918.67	10	2,199.56	10	2,480.35	10	2,760.55	10		10	
1/4	247.16	1/4	524.22	1/4	803.23	1/4	1,082.76	1/4	1,362.82	1/4	1,643.64	1/4	1,924.53	1/4	2,205.41	1/4	2,486.20	1/4	2,766.36	1/4		1/4	
1/2	252.80	1/2	530.07	1/2	809.02	1/2	1,088.61	1/2	1,368.68	1/2	1,649.49	1/2	1,930.38	1/2	2,211.25	1/2	2,492.05	1/2	2,772.17	1/2		1/2	
3/4	258.45	3/4	535.92	3/4	814.81	3/4	1,094.46	3/4	1,374.53	3/4	1,655.34	3/4	1,936.23	3/4	2,217.09	3/4	2,497.90	3/4	2,777.98	3/4		3/4	
11	264.09	11	541.78	11	820.60	11	1,100.32	11	1,380.38	11	1,661.19	11	1,942.08	11	2,222.94	11	2,503.76	11	2,783.79	11		11	
1/4	269.73	1/4	547.63	1/4	826.38	1/4	1,106.17	1/4	1,386.23	1/4	1,667.05	1/4	1,947.93	1/4	2,228.78	1/4	2,509.61	1/4	2,789.60	1/4		1/4	
1/2	275.37	1/2	553.48	1/2	832.17	1/2	1,112.02	1/2	1,392.08	1/2	1,672.90	1/2	1,953.78	1/2	2,234.63	1/2	2,515.46	1/2	2,795.41	1/2		1/2	
3/4	281.01	3/4	559.34	3/4	837.96	3/4	1,117.88	3/4	1,397.94	3/4	1,678.75	3/4	1,959.64	3/4	2,240.47	3/4	2,521.31	3/4	2,801.22	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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.

GAUGE POINT: (MMC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 33'-06" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 35'-00" FORWARD OF AFT BULKHEAD.

STRAPPED: 01/07/2016 CL
CALCULATED: 01/08/2016 CL
PRINTED: 01/09/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2016

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



BARGE "MM 17B"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.
0	16.35	0	286.06	0	564.01	0	843.22	0	1,123.29	0	1,402.76	0	1,682.99	0	1,963.29	0	2,243.54	0	2,523.79	0	2,803.08	0	
1/4	21.11	1/4	291.70	1/4	569.85	1/4	849.03	1/4	1,129.09	1/4	1,408.60	1/4	1,688.83	1/4	1,969.13	1/4	2,249.38	1/4	2,529.63	1/4	2,808.88	1/4	
1/2	25.88	1/2	297.34	1/2	575.69	1/2	854.84	1/2	1,134.90	1/2	1,414.44	1/2	1,694.67	1/2	1,974.97	1/2	2,255.22	1/2	2,535.47	1/2	2,814.68	1/2	
3/4	30.64	3/4	302.98	3/4	581.53	3/4	860.65	3/4	1,140.71	3/4	1,420.28	3/4	1,700.51	3/4	1,980.81	3/4	2,261.05	3/4	2,541.31	3/4	2,820.48	3/4	
1	35.40	1	308.62	1	587.37	1	866.46	1	1,146.51	1	1,426.12	1	1,706.35	1	1,986.65	1	2,266.89	1	2,547.15	1	2,826.28	1	
1/4	40.97	1/4	314.26	1/4	593.21	1/4	872.28	1/4	1,152.32	1/4	1,431.96	1/4	1,712.19	1/4	1,992.49	1/4	2,272.73	1/4	2,552.98	1/4	2,832.08	1/4	
1/2	46.54	1/2	319.90	1/2	599.06	1/2	878.10	1/2	1,158.13	1/2	1,437.80	1/2	1,718.03	1/2	1,998.33	1/2	2,278.57	1/2	2,558.82	1/2	2,837.88	1/2	
3/4	52.10	3/4	325.55	3/4	604.90	3/4	883.92	3/4	1,163.93	3/4	1,443.64	3/4	1,723.87	3/4	2,004.17	3/4	2,284.41	3/4	2,564.66	3/4	2,843.67	3/4	
2	57.67	2	331.19	2	610.74	2	889.74	2	1,169.74	2	1,449.48	2	1,729.71	2	2,010.01	2	2,290.25	2	2,570.50	2	2,849.47	2	
1/4	63.27	1/4	336.83	1/4	616.58	1/4	895.56	1/4	1,175.54	1/4	1,455.31	1/4	1,735.55	1/4	2,015.85	1/4	2,296.09	1/4	2,576.34	1/4	2,855.27	1/4	
1/2	68.86	1/2	342.47	1/2	622.42	1/2	901.38	1/2	1,181.34	1/2	1,461.14	1/2	1,741.39	1/2	2,021.69	1/2	2,301.93	1/2	2,582.18	1/2	2,861.07	1/2	
3/4	74.46	3/4	348.11	3/4	628.26	3/4	907.20	3/4	1,187.15	3/4	1,466.97	3/4	1,747.23	3/4	2,027.53	3/4	2,307.76	3/4	2,588.02	3/4	2,866.87	3/4	
3	80.06	3	353.75	3	634.10	3	913.02	3	1,192.95	3	1,472.80	3	1,753.07	3	2,033.37	3	2,313.60	3	2,593.86	3	2,872.67	3	
1/4	85.67	1/4	359.59	1/4	639.91	1/4	918.86	1/4	1,198.75	1/4	1,478.63	1/4	1,758.91	1/4	2,039.21	1/4	2,319.44	1/4	2,599.69	1/4	2,878.47	1/4	
1/2	91.27	1/2	365.43	1/2	645.72	1/2	924.70	1/2	1,204.55	1/2	1,484.46	1/2	1,764.75	1/2	2,045.05	1/2	2,325.28	1/2	2,605.53	1/2	2,884.27	1/2	
3/4	96.88	3/4	371.27	3/4	651.53	3/4	930.54	3/4	1,210.36	3/4	1,490.29	3/4	1,770.59	3/4	2,050.89	3/4	2,331.12	3/4	2,611.37	3/4	2,890.06	3/4	
4	102.48	4	377.11	4	657.34	4	936.38	4	1,216.16	4	1,496.12	4	1,776.43	4	2,056.73	4	2,336.96	4	2,617.21	4	2,895.86	4	
1/4	108.10	1/4	382.95	1/4	663.15	1/4	942.22	1/4	1,221.96	1/4	1,501.96	1/4	1,782.27	1/4	2,062.57	1/4	2,342.80	1/4	2,623.05	1/4	2,901.66	1/4	
1/2	113.72	1/2	388.79	1/2	668.95	1/2	948.06	1/2	1,227.77	1/2	1,507.80	1/2	1,788.10	1/2	2,068.41	1/2	2,348.63	1/2	2,628.89	1/2	2,907.46	1/2	
3/4	119.34	3/4	394.63	3/4	674.76	3/4	953.90	3/4	1,233.58	3/4	1,513.64	3/4	1,793.94	3/4	2,074.25	3/4	2,354.47	3/4	2,634.73	3/4	2,913.26	3/4	
5	124.96	5	400.47	5	680.57	5	959.74	5	1,239.38	5	1,519.48	5	1,799.78	5	2,080.08	5	2,360.31	5	2,640.56	5	2,919.06	5	
1/4	130.68	1/4	406.32	1/4	686.38	1/4	965.58	1/4	1,245.19	1/4	1,525.32	1/4	1,805.62	1/4	2,085.92	1/4	2,366.15	1/4	2,646.40	1/4	2,924.41	1/4	
1/2	136.41	1/2	412.16	1/2	692.18	1/2	971.42	1/2	1,251.00	1/2	1,531.16	1/2	1,811.46	1/2	2,091.76	1/2	2,371.99	1/2	2,652.24	1/2	2,929.76	1/2	
3/4	142.13	3/4	418.00	3/4	697.99	3/4	977.27	3/4	1,256.80	3/4	1,537.00	3/4	1,817.30	3/4	2,097.60	3/4	2,377.83	3/4	2,658.08	3/4	2,935.12	3/4	
6	147.86	6	423.84	6	703.80	6	983.11	6	1,262.61	6	1,542.84	6	1,823.14	6	2,103.44	6	2,383.67	6	2,663.92	6	2,940.47	6	
1/4	153.68	1/4	429.68	1/4	709.61	1/4	988.95	1/4	1,268.45	1/4	1,548.68	1/4	1,828.98	1/4	2,109.28	1/4	2,389.50	1/4	2,669.72	1/4	2,944.85	1/4	
1/2	159.50	1/2	435.52	1/2	715.41	1/2	994.79	1/2	1,274.29	1/2	1,554.52	1/2	1,834.82	1/2	2,115.12	1/2	2,395.34	1/2	2,675.52	1/2	2,949.23	1/2	
3/4	165.32	3/4	441.36	3/4	721.22	3/4	1,000.63	3/4	1,280.13	3/4	1,560.36	3/4	1,840.66	3/4	2,120.96	3/4	2,401.18	3/4	2,681.31	3/4	2,953.61	3/4	
7	171.14	7	447.20	7	727.03	7	1,006.47	7	1,285.97	7	1,566.20	7	1,846.50	7	2,126.80	7	2,407.02	7	2,687.11	7	2,957.99	7	
1/4	176.96	1/4	453.04	1/4	732.84	1/4	1,012.31	1/4	1,291.81	1/4	1,572.04	1/4	1,852.34	1/4	2,132.64	1/4	2,412.86	1/4	2,692.91	1/4	2,961.39	1/4	
1/2	182.78	1/2	458.88	1/2	738.64	1/2	1,018.15	1/2	1,297.65	1/2	1,577.88	1/2	1,858.18	1/2	2,138.48	1/2	2,418.70	1/2	2,698.71	1/2		1/2	
3/4	188.60	3/4	464.72	3/4	744.45	3/4	1,023.99	3/4	1,303.49	3/4	1,583.72	3/4	1,864.02	3/4	2,144.32	3/4	2,424.54	3/4	2,704.51	3/4		3/4	
8	194.42	8	470.56	8	750.26	8	1,029.83	8	1,309.33	8	1,589.56	8	1,869.86	8	2,150.16	8	2,430.37	8	2,710.31	8		8	
1/4	200.24	1/4	476.40	1/4	756.07	1/4	1,035.67	1/4	1,315.17	1/4	1,595.40	1/4	1,875.70	1/4	2,156.00	1/4	2,436.21	1/4	2,716.11	1/4		1/4	
1/2	206.06	1/2	482.24	1/2	761.87	1/2	1,041.52	1/2	1,321.01	1/2	1,601.24	1/2	1,881.54	1/2	2,161.84	1/2	2,442.05	1/2	2,721.90	1/2		1/2	
3/4	211.88	3/4	488.08	3/4	767.68	3/4	1,047.36	3/4	1,326.85	3/4	1,607.08	3/4	1,887.38	3/4	2,167.68	3/4	2,447.89	3/4	2,727.70	3/4		3/4	
9	217.70	9	493.92	9	773.49	9	1,053.20	9	1,332.69	9	1,612.92	9	1,893.22	9	2,173.52	9	2,453.73	9	2,733.50	9		9	
1/4	223.53	1/4	499.76	1/4	779.30	1/4	1,059.04	1/4	1,338.53	1/4	1,618.76	1/4	1,899.06	1/4	2,179.36	1/4	2,459.57	1/4	2,739.30	1/4		1/4	
1/2	229.36	1/2	505.61	1/2	785.11	1/2	1,064.88	1/2	1,344.37	1/2	1,624.60	1/2	1,904.90	1/2	2,185.20	1/2	2,465.41	1/2	2,745.10	1/2		1/2	
3/4	235.19	3/4	511.45	3/4	790.92	3/4	1,070.72	3/4	1,350.20	3/4	1,630.44	3/4	1,910.74	3/4	2,191.04	3/4	2,471.24	3/4	2,750.90	3/4		3/4	
10	241.02	10	517.29	10	796.73	10	1,076.56	10	1,356.04	10	1,636.28	10	1,916.58	10	2,196.88	10	2,477.08	10	2,756.70	10		10	
1/4	246.65	1/4	523.13	1/4	802.54	1/4	1,082.40	1/4	1,361.88	1/4	1,642.11	1/4	1,922.42	1/4	2,202.71	1/4	2,482.92	1/4	2,762.49	1/4		1/4	
1/2	252.28	1/2	528.97	1/2	808.35	1/2	1,088.24	1/2	1,367.72	1/2	1,647.95	1/2	1,928.26	1/2	2,208.54	1/2	2,488.76	1/2	2,768.29	1/2		1/2	
3/4	257.91	3/4	534.81	3/4	814.16	3/4	1,094.08	3/4	1,373.56	3/4	1,653.79	3/4	1,934.09	3/4	2,214.37	3/4	2,494.60	3/4	2,774.09	3/4		3/4	
11	263.54	11	540.65	11	819.97	11	1,099.92	11	1,379.40	11	1,659.63	11	1,939.93	11	2,220.21	11	2,500.44	11	2,779.89	11		11	
1/4	269.17	1/4	546.49	1/4	825.78	1/4	1,105.77	1/4	1,385.24	1/4	1,665.47	1/4	1,945.77	1/4	2,226.04	1/4	2,506.28	1/4	2,785.69	1/4		1/4	
1/2	274.80	1/2	552.33	1/2	831.59	1/2	1,111.61	1/2	1,391.08	1/2	1,671.31	1/2	1,951.61	1/2	2,231.87	1/2	2,512.11	1/2	2,791.49	1/2		1/2	
3/4	280.43	3/4	558.17	3/4	837.41	3/4	1,117.45	3/4	1,396.92	3/4	1,677.15	3/4	1,957.45	3/4	2,237.71	3/4	2,517.95	3/4	2,797.29	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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.

GAUGE POINT: (MMC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 33'-06" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 35'-00" FORWARD OF AFT BULKHEAD.

STRAPPED: 01/07/2016 CL
CALCULATED: 01/08/2016 CL
PRINTED: 01/09/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2016

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



BARGE "MM 17B"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.
0	17.65	0	309.91	0	611.08	0	904.03	0	1,202.15	0	1,502.70	0	1,806.35	0	2,110.08	0	2,413.75	0	2,717.43	0	3,020.15	0	
1/4	22.81	1/4	316.02	1/4	617.41	1/4	910.06	1/4	1,208.34	1/4	1,509.03	1/4	1,812.68	1/4	2,116.40	1/4	2,420.08	1/4	2,723.76	1/4	3,026.44	1/4	
1/2	27.97	1/2	322.13	1/2	623.73	1/2	916.09	1/2	1,214.54	1/2	1,515.35	1/2	1,819.01	1/2	2,122.73	1/2	2,426.41	1/2	2,730.08	1/2	3,032.72	1/2	
3/4	33.13	3/4	328.24	3/4	630.06	3/4	922.12	3/4	1,220.74	3/4	1,521.68	3/4	1,825.33	3/4	2,129.06	3/4	2,432.73	3/4	2,736.41	3/4	3,039.01	3/4	
1	38.30	1	334.36	1	636.39	1	928.15	1	1,226.93	1	1,528.01	1	1,831.66	1	2,135.39	1	2,439.06	1	2,742.74	1	3,045.30	1	
1/4	44.33	1/4	340.47	1/4	642.72	1/4	934.19	1/4	1,233.13	1/4	1,534.34	1/4	1,837.99	1/4	2,141.71	1/4	2,445.39	1/4	2,749.06	1/4	3,051.58	1/4	
1/2	50.36	1/2	346.58	1/2	649.05	1/2	940.23	1/2	1,239.33	1/2	1,540.67	1/2	1,844.32	1/2	2,148.04	1/2	2,451.71	1/2	2,755.39	1/2	3,057.87	1/2	
3/4	56.39	3/4	352.69	3/4	655.38	3/4	946.26	3/4	1,245.52	3/4	1,546.99	3/4	1,850.64	3/4	2,154.37	3/4	2,458.04	3/4	2,761.72	3/4	3,064.16	3/4	
2	62.42	2	358.80	2	661.71	2	952.30	2	1,251.72	2	1,553.32	2	1,856.97	2	2,160.70	2	2,464.37	2	2,768.04	2	3,070.44	2	
1/4	68.48	1/4	364.91	1/4	668.04	1/4	958.34	1/4	1,257.91	1/4	1,559.64	1/4	1,863.30	1/4	2,167.02	1/4	2,470.69	1/4	2,774.37	1/4	3,076.73	1/4	
1/2	74.55	1/2	371.02	1/2	674.36	1/2	964.38	1/2	1,264.10	1/2	1,565.96	1/2	1,869.63	1/2	2,173.35	1/2	2,477.02	1/2	2,780.70	1/2	3,083.02	1/2	
3/4	80.61	3/4	377.13	3/4	680.69	3/4	970.42	3/4	1,270.30	3/4	1,572.28	3/4	1,875.96	3/4	2,179.68	3/4	2,483.35	3/4	2,787.02	3/4	3,089.30	3/4	
3	86.68	3	383.24	3	687.02	3	976.45	3	1,276.49	3	1,578.59	3	1,882.28	3	2,186.01	3	2,489.67	3	2,793.35	3	3,095.59	3	
1/4	92.75	1/4	389.57	1/4	693.05	1/4	982.51	1/4	1,282.68	1/4	1,584.91	1/4	1,888.61	1/4	2,192.34	1/4	2,496.00	1/4	2,799.68	1/4	3,101.88	1/4	
1/2	98.82	1/2	395.90	1/2	699.08	1/2	988.58	1/2	1,288.87	1/2	1,591.23	1/2	1,894.94	1/2	2,198.66	1/2	2,502.33	1/2	2,806.00	1/2	3,108.16	1/2	
3/4	104.90	3/4	402.23	3/4	705.11	3/4	994.64	3/4	1,295.07	3/4	1,597.55	3/4	1,901.27	3/4	2,204.99	3/4	2,508.65	3/4	2,812.33	3/4	3,114.45	3/4	
4	110.97	4	408.56	4	711.13	4	1,000.70	4	1,301.26	4	1,603.87	4	1,907.59	4	2,211.32	4	2,514.98	4	2,818.66	4	3,120.74	4	
1/4	117.06	1/4	414.89	1/4	717.16	1/4	1,006.76	1/4	1,307.46	1/4	1,610.20	1/4	1,913.92	1/4	2,217.65	1/4	2,521.31	1/4	2,824.98	1/4	3,127.02	1/4	
1/2	123.15	1/2	421.22	1/2	723.19	1/2	1,012.82	1/2	1,313.65	1/2	1,616.52	1/2	1,920.25	1/2	2,223.97	1/2	2,527.63	1/2	2,831.31	1/2	3,133.31	1/2	
3/4	129.23	3/4	427.54	3/4	729.21	3/4	1,018.88	3/4	1,319.85	3/4	1,622.85	3/4	1,926.58	3/4	2,230.30	3/4	2,533.96	3/4	2,837.64	3/4	3,139.60	3/4	
5	135.32	5	433.87	5	735.24	5	1,024.94	5	1,326.04	5	1,629.18	5	1,932.90	5	2,236.63	5	2,540.28	5	2,843.96	5	3,145.88	5	
1/4	141.53	1/4	440.20	1/4	741.27	1/4	1,031.26	1/4	1,332.24	1/4	1,635.51	1/4	1,939.23	1/4	2,242.96	1/4	2,546.61	1/4	2,850.29	1/4	3,151.68	1/4	
1/2	147.73	1/2	446.53	1/2	747.29	1/2	1,037.59	1/2	1,338.44	1/2	1,641.83	1/2	1,945.56	1/2	2,249.28	1/2	2,552.94	1/2	2,856.61	1/2	3,157.48	1/2	
3/4	153.93	3/4	452.86	3/4	753.32	3/4	1,043.92	3/4	1,344.63	3/4	1,648.16	3/4	1,951.89	3/4	2,255.61	3/4	2,559.26	3/4	2,862.94	3/4	3,163.29	3/4	
6	160.14	6	459.19	6	759.35	6	1,050.25	6	1,350.83	6	1,654.49	6	1,958.21	6	2,261.94	6	2,565.59	6	2,869.27	6	3,169.09	6	
1/4	166.45	1/4	465.52	1/4	765.37	1/4	1,056.58	1/4	1,357.16	1/4	1,660.82	1/4	1,964.54	1/4	2,268.27	1/4	2,571.92	1/4	2,875.55	1/4	3,173.83	1/4	
1/2	172.75	1/2	471.85	1/2	771.40	1/2	1,062.91	1/2	1,363.48	1/2	1,667.14	1/2	1,970.87	1/2	2,274.59	1/2	2,578.24	1/2	2,881.84	1/2	3,178.58	1/2	
3/4	179.06	3/4	478.17	3/4	777.43	3/4	1,069.24	3/4	1,369.81	3/4	1,673.47	3/4	1,977.20	3/4	2,280.92	3/4	2,584.57	3/4	2,888.13	3/4	3,183.32	3/4	
7	185.37	7	484.50	7	783.45	7	1,075.57	7	1,376.14	7	1,679.80	7	1,983.52	7	2,287.25	7	2,590.90	7	2,894.41	7	3,188.07	7	
1/4	191.68	1/4	490.83	1/4	789.48	1/4	1,081.90	1/4	1,382.47	1/4	1,686.13	1/4	1,989.85	1/4	2,293.58	1/4	2,597.22	1/4	2,900.70	1/4	3,191.76	1/4	
1/2	197.99	1/2	497.16	1/2	795.51	1/2	1,088.23	1/2	1,388.80	1/2	1,692.45	1/2	1,996.18	1/2	2,299.90	1/2	2,603.55	1/2	2,906.99	1/2		1/2	
3/4	204.29	3/4	503.49	3/4	801.53	3/4	1,094.55	3/4	1,395.12	3/4	1,698.78	3/4	2,002.51	3/4	2,306.23	3/4	2,609.88	3/4	2,913.27	3/4		3/4	
8	210.60	8	509.82	8	807.56	8	1,100.88	8	1,401.45	8	1,705.11	8	2,008.83	8	2,312.56	8	2,616.20	8	2,919.56	8		8	
1/4	216.91	1/4	516.15	1/4	813.59	1/4	1,107.21	1/4	1,407.78	1/4	1,711.44	1/4	2,015.16	1/4	2,318.89	1/4	2,622.53	1/4	2,925.85	1/4		1/4	
1/2	223.22	1/2	522.48	1/2	819.61	1/2	1,113.54	1/2	1,414.11	1/2	1,717.77	1/2	2,021.49	1/2	2,325.21	1/2	2,628.86	1/2	2,932.14	1/2		1/2	
3/4	229.53	3/4	528.80	3/4	825.64	3/4	1,119.87	3/4	1,420.44	3/4	1,724.09	3/4	2,027.82	3/4	2,331.54	3/4	2,635.18	3/4	2,938.42	3/4		3/4	
9	235.83	9	535.13	9	831.67	9	1,126.20	9	1,426.76	9	1,730.42	9	2,034.15	9	2,337.87	9	2,641.51	9	2,944.71	9		9	
1/4	242.15	1/4	541.46	1/4	837.70	1/4	1,132.53	1/4	1,433.09	1/4	1,736.75	1/4	2,040.47	1/4	2,344.20	1/4	2,647.84	1/4	2,951.00	1/4		1/4	
1/2	248.47	1/2	547.79	1/2	843.72	1/2	1,138.86	1/2	1,439.42	1/2	1,743.08	1/2	2,046.80	1/2	2,350.53	1/2	2,654.16	1/2	2,957.28	1/2		1/2	
3/4	254.79	3/4	554.12	3/4	849.75	3/4	1,145.19	3/4	1,445.75	3/4	1,749.40	3/4	2,053.13	3/4	2,356.85	3/4	2,660.49	3/4	2,963.57	3/4		3/4	
10	261.11	10	560.45	10	855.78	10	1,151.52	10	1,452.07	10	1,755.73	10	2,059.46	10	2,363.18	10	2,666.82	10	2,969.86	10		10	
1/4	267.21	1/4	566.78	1/4	861.81	1/4	1,157.84	1/4	1,458.40	1/4	1,762.06	1/4	2,065.78	1/4	2,369.50	1/4	2,673.14	1/4	2,976.14	1/4		1/4	
1/2	273.31	1/2	573.11	1/2	867.84	1/2	1,164.17	1/2	1,464.73	1/2	1,768.39	1/2	2,072.11	1/2	2,375.82	1/2	2,679.47	1/2	2,982.43	1/2		1/2	
3/4	279.41	3/4	579.43	3/4	873.87	3/4	1,170.50	3/4	1,471.06	3/4	1,774.71	3/4	2,078.44	3/4	2,382.15	3/4	2,685.80	3/4	2,988.72	3/4		3/4	
11	285.51	11	585.76	11	879.90	11	1,176.83	11	1,477.39	11	1,781.04	11	2,084.77	11	2,388.47	11	2,692.12	11	2,995.00	11		11	
1/4	291.61	1/4	592.09	1/4	885.94	1/4	1,183.16	1/4	1,483.71	1/4	1,787.37	1/4	2,091.09	1/4	2,394.79	1/4	2,698.45	1/4	3,001.29	1/4		1/4	
1/2	297.71	1/2	598.42	1/2	891.97	1/2	1,189.49	1/2	1,490.04	1/2	1,793.70	1/2	2,097.42	1/2	2,401.11	1/2	2,704.78	1/2	3,007.58	1/2		1/2	
3/4	303.81	3/4	604.75	3/4	898.00	3/4	1,195.82	3/4	1,496.37	3/4	1,800.02	3/4	2,103.75	3/4	2,407.43	3/4	2,711.10	3/4	3,013.86	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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.

GAUGE POINT: (MMC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 36'-00" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 37'-06" FORWARD OF AFT BULKHEAD.

STRAPPED: 01/07/2016 CL
CALCULATED: 01/08/2016 CL
PRINTED: 01/09/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2016

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



BARGE "MM 17B"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.	
0	17.65	0	309.92	0	611.09	0	913.72	0	1,217.22	0	1,517.78	0	1,821.44	0	2,125.17	0	2,428.85	0	2,732.53	0	3,035.25	0		
1/4	22.81	1/4	316.03	1/4	617.42	1/4	920.02	1/4	1,223.42	1/4	1,524.11	1/4	1,827.76	1/4	2,131.49	1/4	2,435.17	1/4	2,738.86	1/4	3,041.54	1/4		
1/2	27.97	1/2	322.14	1/2	623.74	1/2	926.32	1/2	1,229.62	1/2	1,530.44	1/2	1,834.09	1/2	2,137.82	1/2	2,441.50	1/2	2,745.19	1/2	3,047.83	1/2		
3/4	33.13	3/4	328.25	3/4	630.07	3/4	932.62	3/4	1,235.81	3/4	1,536.76	3/4	1,840.42	3/4	2,144.15	3/4	2,447.83	3/4	2,751.51	3/4	3,054.11	3/4		
1	38.30	1	334.36	1	636.40	1	938.92	1	1,242.01	1	1,543.09	1	1,846.75	1	2,150.48	1	2,454.15	1	2,757.84	1	3,060.40	1		
1/4	44.33	1/4	340.47	1/4	642.73	1/4	945.23	1/4	1,248.21	1/4	1,549.42	1/4	1,853.08	1/4	2,156.80	1/4	2,460.48	1/4	2,764.17	1/4	3,066.69	1/4		
1/2	50.36	1/2	346.58	1/2	649.06	1/2	951.53	1/2	1,254.40	1/2	1,555.75	1/2	1,859.40	1/2	2,163.13	1/2	2,466.81	1/2	2,770.49	1/2	3,072.97	1/2		
3/4	56.39	3/4	352.69	3/4	655.39	3/4	957.84	3/4	1,260.60	3/4	1,562.08	3/4	1,865.73	3/4	2,169.46	3/4	2,473.13	3/4	2,776.82	3/4	3,079.26	3/4		
2	62.42	2	358.80	2	661.72	2	964.15	2	1,266.80	2	1,568.40	2	1,872.06	2	2,175.79	2	2,479.46	2	2,783.15	2	3,085.55	2		
1/4	68.48	1/4	364.92	1/4	668.05	1/4	970.45	1/4	1,272.99	1/4	1,574.72	1/4	1,878.39	1/4	2,182.12	1/4	2,485.79	1/4	2,789.47	1/4	3,091.83	1/4		
1/2	74.55	1/2	371.03	1/2	674.37	1/2	976.76	1/2	1,279.18	1/2	1,581.04	1/2	1,884.71	1/2	2,188.44	1/2	2,492.11	1/2	2,795.80	1/2	3,098.12	1/2		
3/4	80.61	3/4	377.14	3/4	680.70	3/4	983.07	3/4	1,285.37	3/4	1,587.36	3/4	1,891.04	3/4	2,194.77	3/4	2,498.44	3/4	2,802.13	3/4	3,104.41	3/4		
3	86.68	3	383.25	3	687.03	3	989.38	3	1,291.57	3	1,593.68	3	1,897.37	3	2,201.10	3	2,504.77	3	2,808.45	3	3,110.69	3		
1/4	92.75	1/4	389.58	1/4	693.33	1/4	995.71	1/4	1,297.76	1/4	1,600.00	1/4	1,903.70	1/4	2,207.43	1/4	2,511.09	1/4	2,814.78	1/4	3,116.98	1/4		
1/2	98.83	1/2	395.91	1/2	699.63	1/2	1,002.03	1/2	1,303.95	1/2	1,606.31	1/2	1,910.02	1/2	2,213.75	1/2	2,517.42	1/2	2,821.11	1/2	3,123.27	1/2		
3/4	104.90	3/4	402.24	3/4	705.92	3/4	1,008.36	3/4	1,310.14	3/4	1,612.63	3/4	1,916.35	3/4	2,220.08	3/4	2,523.75	3/4	2,827.43	3/4	3,129.55	3/4		
4	110.97	4	408.56	4	712.22	4	1,014.69	4	1,316.34	4	1,618.95	4	1,922.68	4	2,226.41	4	2,530.07	4	2,833.76	4	3,135.84	4		
1/4	117.06	1/4	414.89	1/4	718.52	1/4	1,021.02	1/4	1,322.53	1/4	1,625.28	1/4	1,929.01	1/4	2,232.74	1/4	2,536.40	1/4	2,840.09	1/4	3,142.13	1/4		
1/2	123.15	1/2	421.22	1/2	724.81	1/2	1,027.35	1/2	1,328.73	1/2	1,631.61	1/2	1,935.34	1/2	2,239.06	1/2	2,542.73	1/2	2,846.41	1/2	3,148.41	1/2		
3/4	129.24	3/4	427.55	3/4	731.11	3/4	1,033.68	3/4	1,334.93	3/4	1,637.93	3/4	1,941.66	3/4	2,245.39	3/4	2,549.06	3/4	2,852.74	3/4	3,154.70	3/4		
5	135.32	5	433.88	5	737.40	5	1,040.01	5	1,341.12	5	1,644.26	5	1,947.99	5	2,251.72	5	2,555.38	5	2,859.07	5	3,160.99	5		
1/4	141.53	1/4	440.21	1/4	743.70	1/4	1,046.34	1/4	1,347.32	1/4	1,650.59	1/4	1,954.32	1/4	2,258.05	1/4	2,561.71	1/4	2,865.40	1/4	3,166.79	1/4		
1/2	147.73	1/2	446.54	1/2	749.99	1/2	1,052.67	1/2	1,353.51	1/2	1,656.92	1/2	1,960.65	1/2	2,264.38	1/2	2,568.04	1/2	2,871.72	1/2	3,172.59	1/2		
3/4	153.94	3/4	452.87	3/4	756.29	3/4	1,059.00	3/4	1,359.71	3/4	1,663.24	3/4	1,966.97	3/4	2,270.70	3/4	2,574.36	3/4	2,878.05	3/4	3,178.39	3/4		
6	160.14	6	459.20	6	762.59	6	1,065.33	6	1,365.91	6	1,669.57	6	1,973.30	6	2,277.03	6	2,580.69	6	2,884.38	6	3,184.19	6		
1/4	166.45	1/4	465.52	1/4	768.88	1/4	1,071.65	1/4	1,372.24	1/4	1,675.90	1/4	1,979.63	1/4	2,283.36	1/4	2,587.02	1/4	2,890.66	1/4	3,188.94	1/4		
1/2	172.76	1/2	471.85	1/2	775.18	1/2	1,077.98	1/2	1,378.56	1/2	1,682.23	1/2	1,985.96	1/2	2,289.69	1/2	2,593.34	1/2	2,896.95	1/2	3,193.68	1/2		
3/4	179.06	3/4	478.18	3/4	781.47	3/4	1,084.31	3/4	1,384.89	3/4	1,688.55	3/4	1,992.28	3/4	2,296.01	3/4	2,599.67	3/4	2,903.24	3/4	3,198.43	3/4		
7	185.37	7	484.51	7	787.77	7	1,090.64	7	1,391.22	7	1,694.88	7	1,998.61	7	2,302.34	7	2,606.00	7	2,909.52	7	3,203.17	7		
1/4	191.68	1/4	490.84	1/4	794.06	1/4	1,096.97	1/4	1,397.55	1/4	1,701.21	1/4	2,004.94	1/4	2,308.67	1/4	2,612.32	1/4	2,915.81	1/4	3,206.86	1/4		
1/2	197.99	1/2	497.17	1/2	800.36	1/2	1,103.30	1/2	1,403.88	1/2	1,707.54	1/2	2,011.27	1/2	2,315.00	1/2	2,618.65	1/2	2,922.10	1/2		1/2		
3/4	204.30	3/4	503.50	3/4	806.65	3/4	1,109.63	3/4	1,410.20	3/4	1,713.87	3/4	2,017.60	3/4	2,321.32	3/4	2,624.98	3/4	2,928.38	3/4		3/4		
8	210.61	8	509.83	8	812.95	8	1,115.96	8	1,416.53	8	1,720.19	8	2,023.92	8	2,327.65	8	2,631.30	8	2,934.67	8		8		
1/4	216.91	1/4	516.15	1/4	819.25	1/4	1,122.29	1/4	1,422.86	1/4	1,726.52	1/4	2,030.25	1/4	2,333.98	1/4	2,637.63	1/4	2,940.96	1/4		1/4		
1/2	223.22	1/2	522.48	1/2	825.54	1/2	1,128.62	1/2	1,429.19	1/2	1,732.85	1/2	2,036.58	1/2	2,340.31	1/2	2,643.96	1/2	2,947.24	1/2		1/2		
3/4	229.53	3/4	528.81	3/4	831.84	3/4	1,134.95	3/4	1,435.52	3/4	1,739.18	3/4	2,042.91	3/4	2,346.64	3/4	2,650.28	3/4	2,953.53	3/4		3/4		
9	235.84	9	535.14	9	838.13	9	1,141.27	9	1,441.84	9	1,745.50	9	2,049.23	9	2,352.96	9	2,656.61	9	2,959.81	9		9		
1/4	242.15	1/4	541.47	1/4	844.43	1/4	1,147.60	1/4	1,448.17	1/4	1,751.83	1/4	2,055.56	1/4	2,359.29	1/4	2,662.94	1/4	2,966.10	1/4		1/4		
1/2	248.47	1/2	547.80	1/2	850.73	1/2	1,153.93	1/2	1,454.50	1/2	1,758.16	1/2	2,061.89	1/2	2,365.62	1/2	2,669.26	1/2	2,972.39	1/2		1/2		
3/4	254.79	3/4	554.13	3/4	857.03	3/4	1,160.26	3/4	1,460.83	3/4	1,764.49	3/4	2,068.22	3/4	2,371.95	3/4	2,675.59	3/4	2,978.67	3/4		3/4		
10	261.11	10	560.46	10	863.32	10	1,166.59	10	1,467.16	10	1,770.82	10	2,074.54	10	2,378.27	10	2,681.92	10	2,984.96	10		10		
1/4	267.21	1/4	566.78	1/4	869.62	1/4	1,172.92	1/4	1,473.48	1/4	1,777.14	1/4	2,080.87	1/4	2,384.60	1/4	2,688.24	1/4	2,991.25	1/4		1/4		
1/2	273.31	1/2	573.11	1/2	875.92	1/2	1,179.25	1/2	1,479.81	1/2	1,783.47	1/2	2,087.20	1/2	2,390.92	1/2	2,694.57	1/2	2,997.53	1/2		1/2		
3/4	279.41	3/4	579.44	3/4	882.22	3/4	1,185.58	3/4	1,486.14	3/4	1,789.80	3/4	2,093.53	3/4	2,397.24	3/4	2,700.90	3/4	3,003.82	3/4		3/4		
11	285.51	11	585.77	11	888.52	11	1,191.91	11	1,492.47	11	1,796.13	11	2,099.86	11	2,403.56	11	2,707.23	11	3,010.11	11		11		
1/4	291.61	1/4	592.10	1/4	894.82																			



BARGE "MM 17B"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.
0	17.62	0	309.58	0	610.37	0	902.94	0	1,200.66	0	1,500.81	0	1,804.07	0	2,107.40	0	2,410.67	0	2,713.95	0	3,016.27	0	
1/4	22.78	1/4	315.68	1/4	616.69	1/4	908.96	1/4	1,206.85	1/4	1,507.13	1/4	1,810.39	1/4	2,113.72	1/4	2,416.99	1/4	2,720.27	1/4	3,022.55	1/4	
1/2	27.94	1/2	321.79	1/2	623.01	1/2	914.98	1/2	1,213.04	1/2	1,513.45	1/2	1,816.71	1/2	2,120.04	1/2	2,423.31	1/2	2,726.58	1/2	3,028.82	1/2	
3/4	33.09	3/4	327.89	3/4	629.34	3/4	921.00	3/4	1,219.23	3/4	1,519.77	3/4	1,823.03	3/4	2,126.35	3/4	2,429.62	3/4	2,732.90	3/4	3,035.10	3/4	
1	38.25	1	334.00	1	635.66	1	927.03	1	1,225.41	1	1,526.09	1	1,829.35	1	2,132.67	1	2,435.94	1	2,739.22	1	3,041.38	1	
1/4	44.28	1/4	340.10	1/4	641.98	1/4	933.06	1/4	1,231.60	1/4	1,532.41	1/4	1,835.67	1/4	2,138.99	1/4	2,442.26	1/4	2,745.54	1/4	3,047.66	1/4	
1/2	50.30	1/2	346.21	1/2	648.30	1/2	939.09	1/2	1,237.79	1/2	1,538.73	1/2	1,841.99	1/2	2,145.31	1/2	2,448.58	1/2	2,751.86	1/2	3,053.94	1/2	
3/4	56.32	3/4	352.32	3/4	654.62	3/4	945.12	3/4	1,243.98	3/4	1,545.05	3/4	1,848.31	3/4	2,151.63	3/4	2,454.90	3/4	2,758.18	3/4	3,060.22	3/4	
2	62.35	2	358.42	2	660.94	2	951.15	2	1,250.17	2	1,551.37	2	1,854.62	2	2,157.95	2	2,461.22	2	2,764.49	2	3,066.50	2	
1/4	68.41	1/4	364.53	1/4	667.26	1/4	957.18	1/4	1,256.35	1/4	1,557.68	1/4	1,860.94	1/4	2,164.27	1/4	2,467.53	1/4	2,770.81	1/4	3,072.77	1/4	
1/2	74.47	1/2	370.63	1/2	673.58	1/2	963.21	1/2	1,262.54	1/2	1,563.99	1/2	1,867.26	1/2	2,170.59	1/2	2,473.85	1/2	2,777.13	1/2	3,079.05	1/2	
3/4	80.53	3/4	376.74	3/4	679.90	3/4	969.24	3/4	1,268.72	3/4	1,570.30	3/4	1,873.58	3/4	2,176.91	3/4	2,480.17	3/4	2,783.45	3/4	3,085.33	3/4	
3	86.59	3	382.84	3	686.22	3	975.27	3	1,274.91	3	1,576.61	3	1,879.90	3	2,183.23	3	2,486.49	3	2,789.77	3	3,091.61	3	
1/4	92.66	1/4	389.16	1/4	692.24	1/4	981.32	1/4	1,281.09	1/4	1,582.92	1/4	1,886.22	1/4	2,189.55	1/4	2,492.81	1/4	2,796.09	1/4	3,097.89	1/4	
1/2	98.73	1/2	395.48	1/2	698.26	1/2	987.37	1/2	1,287.27	1/2	1,589.23	1/2	1,892.54	1/2	2,195.87	1/2	2,499.13	1/2	2,802.40	1/2	3,104.17	1/2	
3/4	104.79	3/4	401.80	3/4	704.28	3/4	993.42	3/4	1,293.46	3/4	1,595.54	3/4	1,898.86	3/4	2,202.19	3/4	2,505.44	3/4	2,808.72	3/4	3,110.44	3/4	
4	110.86	4	408.12	4	710.30	4	999.48	4	1,299.64	4	1,601.85	4	1,905.18	4	2,208.51	4	2,511.76	4	2,815.04	4	3,116.72	4	
1/4	116.94	1/4	414.45	1/4	716.32	1/4	1,005.53	1/4	1,305.83	1/4	1,608.17	1/4	1,911.50	1/4	2,214.82	1/4	2,518.08	1/4	2,821.36	1/4	3,123.00	1/4	
1/2	123.03	1/2	420.77	1/2	722.34	1/2	1,011.58	1/2	1,312.02	1/2	1,614.49	1/2	1,917.82	1/2	2,221.14	1/2	2,524.40	1/2	2,827.68	1/2	3,129.28	1/2	
3/4	129.11	3/4	427.09	3/4	728.36	3/4	1,017.63	3/4	1,318.21	3/4	1,620.81	3/4	1,924.14	3/4	2,227.46	3/4	2,530.72	3/4	2,833.99	3/4	3,135.56	3/4	
5	135.19	5	433.41	5	734.38	5	1,023.68	5	1,324.39	5	1,627.13	5	1,930.46	5	2,233.78	5	2,537.03	5	2,840.31	5	3,141.84	5	
1/4	141.39	1/4	439.73	1/4	740.40	1/4	1,030.01	1/4	1,330.58	1/4	1,633.45	1/4	1,936.78	1/4	2,240.10	1/4	2,543.35	1/4	2,846.63	1/4	3,147.63	1/4	
1/2	147.59	1/2	446.05	1/2	746.41	1/2	1,036.33	1/2	1,336.77	1/2	1,639.77	1/2	1,943.09	1/2	2,246.42	1/2	2,549.67	1/2	2,852.95	1/2	3,153.42	1/2	
3/4	153.78	3/4	452.37	3/4	752.43	3/4	1,042.65	3/4	1,342.96	3/4	1,646.09	3/4	1,949.41	3/4	2,252.74	3/4	2,555.99	3/4	2,859.27	3/4	3,159.21	3/4	
6	159.98	6	458.69	6	758.45	6	1,048.97	6	1,349.15	6	1,652.41	6	1,955.73	6	2,259.06	6	2,562.31	6	2,865.59	6	3,165.00	6	
1/4	166.28	1/4	465.01	1/4	764.47	1/4	1,055.29	1/4	1,355.47	1/4	1,658.73	1/4	1,962.05	1/4	2,265.38	1/4	2,568.63	1/4	2,871.86	1/4	3,169.74	1/4	
1/2	172.58	1/2	471.33	1/2	770.49	1/2	1,061.61	1/2	1,361.79	1/2	1,665.05	1/2	1,968.37	1/2	2,271.70	1/2	2,574.94	1/2	2,878.14	1/2	3,174.48	1/2	
3/4	178.88	3/4	477.65	3/4	776.51	3/4	1,067.93	3/4	1,368.11	3/4	1,671.36	3/4	1,974.69	3/4	2,278.02	3/4	2,581.26	3/4	2,884.42	3/4	3,179.22	3/4	
7	185.18	7	483.97	7	782.53	7	1,074.25	7	1,374.42	7	1,677.68	7	1,981.01	7	2,284.34	7	2,587.58	7	2,890.70	7	3,185.96	7	
1/4	191.48	1/4	490.29	1/4	788.54	1/4	1,080.57	1/4	1,380.74	1/4	1,684.00	1/4	1,987.33	1/4	2,290.66	1/4	2,593.90	1/4	2,896.98	1/4	3,187.64	1/4	
1/2	197.78	1/2	496.61	1/2	794.56	1/2	1,086.89	1/2	1,387.06	1/2	1,690.32	1/2	1,993.65	1/2	2,296.98	1/2	2,600.22	1/2	2,903.26	1/2		1/2	
3/4	204.08	3/4	502.93	3/4	800.58	3/4	1,093.21	3/4	1,393.38	3/4	1,696.64	3/4	1,999.97	3/4	2,303.29	3/4	2,606.54	3/4	2,909.54	3/4		3/4	
8	210.38	8	509.25	8	806.60	8	1,099.53	8	1,399.70	8	1,702.96	8	2,006.29	8	2,309.61	8	2,612.85	8	2,915.81	8		8	
1/4	216.68	1/4	515.57	1/4	812.62	1/4	1,105.85	1/4	1,406.02	1/4	1,709.28	1/4	2,012.61	1/4	2,315.93	1/4	2,619.17	1/4	2,922.09	1/4		1/4	
1/2	222.98	1/2	521.89	1/2	818.64	1/2	1,112.17	1/2	1,412.34	1/2	1,715.60	1/2	2,018.93	1/2	2,322.25	1/2	2,625.49	1/2	2,928.37	1/2		1/2	
3/4	229.28	3/4	528.21	3/4	824.66	3/4	1,118.49	3/4	1,418.66	3/4	1,721.92	3/4	2,025.25	3/4	2,328.57	3/4	2,631.81	3/4	2,934.65	3/4		3/4	
9	235.58	9	534.53	9	830.67	9	1,124.81	9	1,424.98	9	1,728.24	9	2,031.56	9	2,334.89	9	2,638.13	9	2,940.93	9		9	
1/4	241.89	1/4	540.85	1/4	836.69	1/4	1,131.13	1/4	1,431.30	1/4	1,734.56	1/4	2,037.88	1/4	2,341.21	1/4	2,644.45	1/4	2,947.21	1/4		1/4	
1/2	248.20	1/2	547.17	1/2	842.72	1/2	1,137.46	1/2	1,437.62	1/2	1,740.88	1/2	2,044.20	1/2	2,347.53	1/2	2,650.76	1/2	2,953.48	1/2		1/2	
3/4	254.50	3/4	553.49	3/4	848.74	3/4	1,143.78	3/4	1,443.94	3/4	1,747.20	3/4	2,050.52	3/4	2,353.85	3/4	2,657.08	3/4	2,959.76	3/4		3/4	
10	260.81	10	559.81	10	854.76	10	1,150.10	10	1,450.26	10	1,753.52	10	2,056.84	10	2,360.17	10	2,663.40	10	2,966.04	10		10	
1/4	266.91	1/4	566.13	1/4	860.78	1/4	1,156.42	1/4	1,456.58	1/4	1,759.83	1/4	2,063.16	1/4	2,366.48	1/4	2,669.72	1/4	2,972.32	1/4		1/4	
1/2	273.01	1/2	572.45	1/2	866.80	1/2	1,162.74	1/2	1,462.90	1/2	1,766.15	1/2	2,069.48	1/2	2,372.79	1/2	2,676.04	1/2	2,978.60	1/2		1/2	
3/4	279.10	3/4	578.77	3/4	872.82	3/4	1,169.06	3/4	1,469.22	3/4	1,772.47	3/4	2,075.80	3/4	2,379.11	3/4	2,682.36	3/4	2,984.88	3/4		3/4	
11	285.20	11	585.09	11	878.85	11	1,175.38	11	1,475.54	11	1,778.79	11	2,082.12	11	2,385.42	11	2,688.67	11	2,991.15	11		11	
1/4	291.29	1/4	591.41	1/4	884.87	1/4	1,181.70	1/4	1,481.86	1/4	1,785.11	1/4	2,088.44	1/4	2,391.73	1/4	2,694.99	1/4	2,997.43	1/4		1/4	
1/2	297.39	1/2	597.73	1/2	890.89	1/2	1,188.02	1/2	1,488.18	1/2	1,791.43	1/2	2,094.76	1/2	2,398.04	1/2	2,701.31	1/2	3,003.71	1/2		1/2	
3/4	303.48	3/4	604.05	3/4	896.91	3/4	1,194.34	3/4	1,494.50	3/4	1,797.75	3/4	2,101.08	3/4	2,404.36	3/4	2,707.63	3/4	3,009.99	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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.

GAUGE POINT: (MMC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 36'-00" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 37'-06" FORWARD OF AFT BULKHEAD.

STRAPPED: 01/07/2016 CL
CALCULATED: 01/08/2016 CL
PRINTED: 01/09/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2016

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



BARGE "MM 17B"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.
0	17.66	0	310.22	0	611.64	0	914.49	0	1,218.22	0	1,518.99	0	1,822.87	0	2,126.83	0	2,430.72	0	2,734.62	0	3,037.57	0	
1/4	22.83	1/4	316.33	1/4	617.97	1/4	920.80	1/4	1,224.42	1/4	1,525.32	1/4	1,829.20	1/4	2,133.16	1/4	2,437.05	1/4	2,740.95	1/4	3,043.86	1/4	
1/2	28.00	1/2	322.45	1/2	624.30	1/2	927.10	1/2	1,230.62	1/2	1,531.66	1/2	1,835.54	1/2	2,139.49	1/2	2,443.38	1/2	2,747.29	1/2	3,050.15	1/2	
3/4	33.16	3/4	328.57	3/4	630.64	3/4	933.40	3/4	1,236.82	3/4	1,537.99	3/4	1,841.87	3/4	2,145.82	3/4	2,449.71	3/4	2,753.62	3/4	3,056.44	3/4	
1	38.33	1	334.69	1	636.97	1	939.71	1	1,243.02	1	1,544.32	1	1,848.20	1	2,152.16	1	2,456.05	1	2,759.95	1	3,062.73	1	
1/4	44.37	1/4	340.81	1/4	643.30	1/4	946.02	1/4	1,249.22	1/4	1,550.65	1/4	1,854.53	1/4	2,158.49	1/4	2,462.38	1/4	2,766.28	1/4	3,069.02	1/4	
1/2	50.40	1/2	346.93	1/2	649.64	1/2	952.33	1/2	1,255.42	1/2	1,556.99	1/2	1,860.87	1/2	2,164.82	1/2	2,468.71	1/2	2,772.61	1/2	3,075.31	1/2	
3/4	56.44	3/4	353.04	3/4	655.97	3/4	958.64	3/4	1,261.62	3/4	1,563.32	3/4	1,867.20	3/4	2,171.15	3/4	2,475.04	3/4	2,778.94	3/4	3,081.60	3/4	
2	62.48	2	359.16	2	662.30	2	964.96	2	1,267.82	2	1,569.65	2	1,873.53	2	2,177.49	2	2,481.37	2	2,785.27	2	3,087.90	2	
1/4	68.55	1/4	365.28	1/4	668.64	1/4	971.27	1/4	1,274.02	1/4	1,575.97	1/4	1,879.86	1/4	2,183.82	1/4	2,487.70	1/4	2,791.60	1/4	3,094.19	1/4	
1/2	74.62	1/2	371.40	1/2	674.97	1/2	977.58	1/2	1,280.22	1/2	1,582.30	1/2	1,886.19	1/2	2,190.15	1/2	2,494.03	1/2	2,797.94	1/2	3,100.48	1/2	
3/4	80.69	3/4	377.52	3/4	681.30	3/4	983.89	3/4	1,286.42	3/4	1,588.62	3/4	1,892.53	3/4	2,196.48	3/4	2,500.37	3/4	2,804.27	3/4	3,106.77	3/4	
3	86.77	3	383.64	3	687.64	3	990.20	3	1,292.61	3	1,594.94	3	1,898.86	3	2,202.81	3	2,506.70	3	2,810.60	3	3,113.06	3	
1/4	92.85	1/4	389.97	1/4	693.94	1/4	996.54	1/4	1,298.81	1/4	1,601.27	1/4	1,905.19	1/4	2,209.15	1/4	2,513.03	1/4	2,816.93	1/4	3,119.35	1/4	
1/2	98.93	1/2	396.30	1/2	700.24	1/2	1,002.87	1/2	1,305.01	1/2	1,607.59	1/2	1,911.52	1/2	2,215.48	1/2	2,519.36	1/2	2,823.26	1/2	3,125.64	1/2	
3/4	105.01	3/4	402.64	3/4	706.54	3/4	1,009.20	3/4	1,311.20	3/4	1,613.91	3/4	1,917.86	3/4	2,221.81	3/4	2,525.69	3/4	2,829.59	3/4	3,131.94	3/4	
4	111.09	4	408.97	4	712.85	4	1,015.54	4	1,317.40	4	1,620.23	4	1,924.19	4	2,228.14	4	2,532.02	4	2,835.92	4	3,138.23	4	
1/4	117.19	1/4	415.30	1/4	719.15	1/4	1,021.87	1/4	1,323.60	1/4	1,626.57	1/4	1,930.52	1/4	2,234.48	1/4	2,538.35	1/4	2,842.26	1/4	3,144.52	1/4	
1/2	123.28	1/2	421.64	1/2	725.45	1/2	1,028.20	1/2	1,329.80	1/2	1,632.90	1/2	1,936.85	1/2	2,240.81	1/2	2,544.68	1/2	2,848.59	1/2	3,150.81	1/2	
3/4	129.38	3/4	427.97	3/4	731.75	3/4	1,034.54	3/4	1,336.00	3/4	1,639.23	3/4	1,943.19	3/4	2,247.14	3/4	2,551.02	3/4	2,854.92	3/4	3,157.10	3/4	
5	135.47	5	434.30	5	738.05	5	1,040.87	5	1,342.20	5	1,645.56	5	1,949.52	5	2,253.47	5	2,557.35	5	2,861.25	5	3,163.39	5	
1/4	141.68	1/4	440.64	1/4	744.35	1/4	1,047.21	1/4	1,348.41	1/4	1,651.90	1/4	1,955.85	1/4	2,259.81	1/4	2,563.68	1/4	2,867.58	1/4	3,169.20	1/4	
1/2	147.89	1/2	446.97	1/2	750.65	1/2	1,053.54	1/2	1,354.61	1/2	1,658.23	1/2	1,962.18	1/2	2,266.14	1/2	2,570.01	1/2	2,873.91	1/2	3,175.00	1/2	
3/4	154.10	3/4	453.30	3/4	756.95	3/4	1,059.87	3/4	1,360.81	3/4	1,664.56	3/4	1,968.52	3/4	2,272.47	3/4	2,576.34	3/4	2,880.24	3/4	3,180.81	3/4	
6	160.31	6	459.64	6	763.25	6	1,066.21	6	1,367.01	6	1,670.89	6	1,974.85	6	2,278.80	6	2,582.67	6	2,886.57	6	3,186.61	6	
1/4	166.62	1/4	465.97	1/4	769.55	1/4	1,072.54	1/4	1,373.34	1/4	1,677.23	1/4	1,981.18	1/4	2,285.14	1/4	2,589.00	1/4	2,892.87	1/4	3,191.36	1/4	
1/2	172.94	1/2	472.30	1/2	775.85	1/2	1,078.87	1/2	1,379.67	1/2	1,683.56	1/2	1,987.51	1/2	2,291.47	1/2	2,595.33	1/2	2,899.16	1/2	3,196.11	1/2	
3/4	179.25	3/4	478.64	3/4	782.15	3/4	1,085.21	3/4	1,386.01	3/4	1,689.89	3/4	1,993.85	3/4	2,297.80	3/4	2,601.67	3/4	2,905.45	3/4	3,200.86	3/4	
7	185.56	7	484.97	7	788.45	7	1,091.54	7	1,392.34	7	1,696.22	7	2,000.18	7	2,304.13	7	2,608.00	7	2,911.74	7	3,205.61	7	
1/4	191.87	1/4	491.30	1/4	794.75	1/4	1,097.88	1/4	1,398.67	1/4	1,702.56	1/4	2,006.51	1/4	2,310.47	1/4	2,614.33	1/4	2,918.03	1/4	3,209.30	1/4	
1/2	198.19	1/2	497.64	1/2	801.05	1/2	1,104.21	1/2	1,405.00	1/2	1,708.89	1/2	2,012.84	1/2	2,316.80	1/2	2,620.66	1/2	2,924.32	1/2		1/2	
3/4	204.50	3/4	503.97	3/4	807.35	3/4	1,110.54	3/4	1,411.34	3/4	1,715.22	3/4	2,019.18	3/4	2,323.13	3/4	2,626.99	3/4	2,930.61	3/4		3/4	
8	210.81	8	510.30	8	813.65	8	1,116.88	8	1,417.67	8	1,721.55	8	2,025.51	8	2,329.46	8	2,633.32	8	2,936.90	8		8	
1/4	217.12	1/4	516.64	1/4	819.95	1/4	1,123.21	1/4	1,424.00	1/4	1,727.88	1/4	2,031.84	1/4	2,335.80	1/4	2,639.65	1/4	2,943.20	1/4		1/4	
1/2	223.44	1/2	522.97	1/2	826.25	1/2	1,129.54	1/2	1,430.33	1/2	1,734.22	1/2	2,038.17	1/2	2,342.13	1/2	2,645.98	1/2	2,949.49	1/2		1/2	
3/4	229.75	3/4	529.30	3/4	832.55	3/4	1,135.88	3/4	1,436.67	3/4	1,740.55	3/4	2,044.50	3/4	2,348.46	3/4	2,652.32	3/4	2,955.78	3/4		3/4	
9	236.06	9	535.64	9	838.85	9	1,142.21	9	1,443.00	9	1,746.88	9	2,050.84	9	2,354.79	9	2,658.65	9	2,962.07	9		9	
1/4	242.38	1/4	541.97	1/4	845.15	1/4	1,148.54	1/4	1,449.33	1/4	1,753.21	1/4	2,057.17	1/4	2,361.12	1/4	2,664.98	1/4	2,968.36	1/4		1/4	
1/2	248.71	1/2	548.30	1/2	851.45	1/2	1,154.88	1/2	1,455.66	1/2	1,759.55	1/2	2,063.50	1/2	2,367.46	1/2	2,671.31	1/2	2,974.65	1/2		1/2	
3/4	255.03	3/4	554.64	3/4	857.76	3/4	1,161.21	3/4	1,462.00	3/4	1,765.88	3/4	2,069.83	3/4	2,373.79	3/4	2,677.64	3/4	2,980.94	3/4		3/4	
10	261.35	10	560.97	10	864.06	10	1,167.55	10	1,468.33	10	1,772.21	10	2,076.17	10	2,380.12	10	2,683.97	10	2,987.24	10		10	
1/4	267.46	1/4	567.30	1/4	870.36	1/4	1,173.88	1/4	1,474.66	1/4	1,778.54	1/4	2,082.50	1/4	2,386.45	1/4	2,690.30	1/4	2,993.53	1/4		1/4	
1/2	273.57	1/2	573.64	1/2	876.67	1/2	1,180.21	1/2	1,480.99	1/2	1,784.88	1/2	2,088.83	1/2	2,392.77	1/2	2,696.64	1/2	2,999.82	1/2		1/2	
3/4	279.68	3/4	579.97	3/4	882.97	3/4	1,186.55	3/4	1,487.33	3/4	1,791.21	3/4	2,095.16	3/4	2,399.09	3/4	2,702.97	3/4	3,006.11	3/4		3/4	
11	285.78	11	586.30	11	889.28	11	1,192.88	11	1,493.66	11	1,797.54	11	2,101.50	11	2,405.42	11	2,709.30	11	3,012.40	11		11	
1/4	291.89	1/4	592.64	1/4	895.58	1/4	1,199.21	1/4	1,499.99	1/4	1,803.87	1/4	2,107.83	1/4	2,411.74	1/4	2,715.63	1/4	3,018.69	1/4		1/4	
1/2	298.00	1/2	598.97	1/2	901.88	1/2	1,205.55	1/2	1,506.32	1/2	1,810.21	1/2	2,114.16	1/2	2,418.07	1/2	2,721.96	1/2	3,024.98	1/2		1/2	
3/4	304.11	3/4	605.30	3/4	908.19	3/4	1,211.88	3/4	1,512.66	3/4	1,816.54	3/4	2,120.49	3/4	2,424.40	3/4	2,728.29	3/4	3,031.27	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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.

GAUGE POINT: (MMC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 36'-00" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 37'-06" FORWARD OF AFT BULKHEAD.

STRAPPED: 01/07/2016 CL
CALCULATED: 01/08/2016 CL
PRINTED: 01/09/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2016

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



BARGE "MM 17B"

4 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 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.	IN	10 FT.	IN	11 FT.
0	17.55	0	316.04	0	618.32	0	911.22	0	1,208.20	0	1,506.44	0	1,804.09	0	2,104.74	0	2,405.67	0	2,706.74	0	3,006.85	0	
1/4	22.83	1/4	322.39	1/4	624.60	1/4	917.27	1/4	1,214.36	1/4	1,512.66	1/4	1,810.31	1/4	2,111.00	1/4	2,411.94	1/4	2,713.01	1/4	3,013.08	1/4	
1/2	28.10	1/2	328.73	1/2	630.89	1/2	923.31	1/2	1,220.51	1/2	1,518.87	1/2	1,816.53	1/2	2,117.27	1/2	2,418.21	1/2	2,719.28	1/2	3,019.31	1/2	
3/4	33.38	3/4	335.08	3/4	637.17	3/4	929.36	3/4	1,226.67	3/4	1,525.08	3/4	1,822.75	3/4	2,123.54	3/4	2,424.48	3/4	2,725.55	3/4	3,025.54	3/4	
1	38.65	1	341.43	1	643.45	1	935.40	1	1,232.83	1	1,531.29	1	1,828.97	1	2,129.80	1	2,430.75	1	2,731.83	1	3,031.78	1	
1/4	44.93	1/4	347.78	1/4	649.73	1/4	941.46	1/4	1,238.98	1/4	1,537.49	1/4	1,835.18	1/4	2,136.07	1/4	2,437.03	1/4	2,738.10	1/4	3,038.01	1/4	
1/2	51.21	1/2	354.12	1/2	656.01	1/2	947.51	1/2	1,245.14	1/2	1,543.69	1/2	1,841.40	1/2	2,142.34	1/2	2,443.30	1/2	2,744.37	1/2	3,044.24	1/2	
3/4	57.49	3/4	360.47	3/4	662.29	3/4	953.56	3/4	1,251.29	3/4	1,549.89	3/4	1,847.62	3/4	2,148.60	3/4	2,449.57	3/4	2,750.64	3/4	3,050.47	3/4	
2	63.76	2	366.82	2	668.57	2	959.61	2	1,257.45	2	1,556.09	2	1,853.84	2	2,154.87	2	2,455.84	2	2,756.91	2	3,056.70	2	
1/4	70.08	1/4	373.16	1/4	674.86	1/4	965.67	1/4	1,263.59	1/4	1,562.27	1/4	1,860.12	1/4	2,161.13	1/4	2,462.12	1/4	2,763.19	1/4	3,062.94	1/4	
1/2	76.39	1/2	379.51	1/2	681.14	1/2	971.72	1/2	1,269.74	1/2	1,568.45	1/2	1,866.39	1/2	2,167.40	1/2	2,468.39	1/2	2,769.46	1/2	3,069.17	1/2	
3/4	82.70	3/4	385.85	3/4	687.42	3/4	977.77	3/4	1,275.88	3/4	1,574.63	3/4	1,872.67	3/4	2,173.67	3/4	2,474.66	3/4	2,775.73	3/4	3,075.40	3/4	
3	89.02	3	392.20	3	693.70	3	983.82	3	1,282.03	3	1,580.81	3	1,878.94	3	2,179.93	3	2,480.93	3	2,782.00	3	3,081.63	3	
1/4	95.34	1/4	398.48	1/4	699.74	1/4	989.90	1/4	1,288.17	1/4	1,587.00	1/4	1,885.22	1/4	2,186.20	1/4	2,487.21	1/4	2,788.28	1/4	3,087.87	1/4	
1/2	101.66	1/2	404.76	1/2	705.79	1/2	995.97	1/2	1,294.31	1/2	1,593.19	1/2	1,891.49	1/2	2,192.47	1/2	2,493.48	1/2	2,794.55	1/2	3,094.10	1/2	
3/4	107.99	3/4	411.04	3/4	711.83	3/4	1,002.05	3/4	1,300.46	3/4	1,599.38	3/4	1,897.77	3/4	2,198.73	3/4	2,499.75	3/4	2,800.82	3/4	3,100.33	3/4	
4	114.31	4	417.32	4	717.88	4	1,008.12	4	1,306.60	4	1,605.56	4	1,904.04	4	2,205.00	4	2,506.02	4	2,807.09	4	3,106.56	4	
1/4	120.64	1/4	423.60	1/4	723.92	1/4	1,014.19	1/4	1,312.76	1/4	1,611.76	1/4	1,910.32	1/4	2,211.27	1/4	2,512.29	1/4	2,813.37	1/4	3,112.80	1/4	
1/2	126.98	1/2	429.88	1/2	729.96	1/2	1,020.27	1/2	1,318.91	1/2	1,617.96	1/2	1,916.59	1/2	2,217.53	1/2	2,518.57	1/2	2,819.64	1/2	3,119.03	1/2	
3/4	133.31	3/4	436.16	3/4	736.00	3/4	1,026.34	3/4	1,325.07	3/4	1,624.16	3/4	1,922.87	3/4	2,223.80	3/4	2,524.84	3/4	2,825.91	3/4	3,125.26	3/4	
5	139.65	5	442.44	5	742.04	5	1,032.42	5	1,331.22	5	1,630.36	5	1,929.14	5	2,230.07	5	2,531.11	5	2,832.18	5	3,131.49	5	
1/4	145.96	1/4	448.72	1/4	748.08	1/4	1,038.70	1/4	1,337.38	1/4	1,636.56	1/4	1,935.42	1/4	2,236.34	1/4	2,537.38	1/4	2,838.45	1/4	3,137.26	1/4	
1/2	152.27	1/2	455.00	1/2	754.12	1/2	1,044.97	1/2	1,343.54	1/2	1,642.76	1/2	1,941.69	1/2	2,242.61	1/2	2,543.66	1/2	2,844.73	1/2	3,143.03	1/2	
3/4	158.58	3/4	461.28	3/4	760.16	3/4	1,051.25	3/4	1,349.69	3/4	1,648.95	3/4	1,947.97	3/4	2,248.89	3/4	2,549.93	3/4	2,851.00	3/4	3,148.79	3/4	
6	164.89	6	467.56	6	766.20	6	1,057.53	6	1,355.85	6	1,655.15	6	1,954.24	6	2,255.16	6	2,556.20	6	2,857.27	6	3,154.56	6	
1/4	171.17	1/4	473.85	1/4	772.24	1/4	1,063.81	1/4	1,362.12	1/4	1,661.35	1/4	1,960.52	1/4	2,261.43	1/4	2,562.47	1/4	2,863.50	1/4	3,159.28	1/4	
1/2	177.44	1/2	480.13	1/2	778.29	1/2	1,070.09	1/2	1,368.40	1/2	1,667.55	1/2	1,966.79	1/2	2,267.71	1/2	2,568.75	1/2	2,869.74	1/2	3,164.00	1/2	
3/4	183.71	3/4	486.41	3/4	784.33	3/4	1,076.36	3/4	1,374.67	3/4	1,673.75	3/4	1,973.07	3/4	2,273.98	3/4	2,575.02	3/4	2,875.97	3/4	3,168.71	3/4	
7	189.98	7	492.69	7	790.37	7	1,082.64	7	1,380.95	7	1,679.95	7	1,979.34	7	2,280.25	7	2,581.29	7	2,882.20	7	3,173.43	7	
1/4	196.26	1/4	498.97	1/4	796.41	1/4	1,088.92	1/4	1,387.22	1/4	1,686.15	1/4	1,985.61	1/4	2,286.53	1/4	2,587.56	1/4	2,888.43	1/4	3,177.10	1/4	
1/2	202.53	1/2	505.25	1/2	802.45	1/2	1,095.20	1/2	1,393.50	1/2	1,692.34	1/2	1,991.89	1/2	2,292.80	1/2	2,593.83	1/2	2,894.66	1/2		1/2	
3/4	208.80	3/4	511.53	3/4	808.49	3/4	1,101.48	3/4	1,399.77	3/4	1,698.54	3/4	1,998.16	3/4	2,299.07	3/4	2,600.11	3/4	2,900.90	3/4		3/4	
8	215.07	8	517.82	8	814.53	8	1,107.75	8	1,406.05	8	1,704.74	8	2,004.44	8	2,305.34	8	2,606.38	8	2,907.13	8		8	
1/4	221.35	1/4	524.10	1/4	820.57	1/4	1,114.03	1/4	1,412.32	1/4	1,710.94	1/4	2,010.71	1/4	2,311.62	1/4	2,612.65	1/4	2,913.36	1/4		1/4	
1/2	227.62	1/2	530.38	1/2	826.61	1/2	1,120.31	1/2	1,418.60	1/2	1,717.14	1/2	2,016.99	1/2	2,317.89	1/2	2,618.92	1/2	2,919.59	1/2		1/2	
3/4	233.89	3/4	536.66	3/4	832.65	3/4	1,126.59	3/4	1,424.87	3/4	1,723.34	3/4	2,023.26	3/4	2,324.16	3/4	2,625.20	3/4	2,925.83	3/4		3/4	
9	240.16	9	542.94	9	838.69	9	1,132.87	9	1,431.15	9	1,729.53	9	2,029.54	9	2,330.44	9	2,631.47	9	2,932.06	9		9	
1/4	246.45	1/4	549.22	1/4	844.74	1/4	1,139.14	1/4	1,437.42	1/4	1,735.73	1/4	2,035.80	1/4	2,336.71	1/4	2,637.74	1/4	2,938.29	1/4		1/4	
1/2	252.73	1/2	555.51	1/2	850.78	1/2	1,145.42	1/2	1,443.70	1/2	1,741.93	1/2	2,042.07	1/2	2,342.98	1/2	2,644.01	1/2	2,944.52	1/2		1/2	
3/4	259.01	3/4	561.79	3/4	856.82	3/4	1,151.70	3/4	1,449.97	3/4	1,748.13	3/4	2,048.34	3/4	2,349.26	3/4	2,650.29	3/4	2,950.76	3/4		3/4	
10	265.29	10	568.07	10	862.87	10	1,157.98	10	1,456.25	10	1,754.33	10	2,054.60	10	2,355.53	10	2,656.56	10	2,956.99	10		10	
1/4	271.64	1/4	574.35	1/4	868.91	1/4	1,164.26	1/4	1,462.52	1/4	1,760.55	1/4	2,060.87	1/4	2,361.80	1/4	2,662.83	1/4	2,963.22	1/4		1/4	
1/2	277.99	1/2	580.63	1/2	874.96	1/2	1,170.53	1/2	1,468.80	1/2	1,766.77	1/2	2,067.14	1/2	2,368.06	1/2	2,669.10	1/2	2,969.45	1/2		1/2	
3/4	284.34	3/4	586.91	3/4	881.00	3/4	1,176.81	3/4	1,475.07	3/4	1,772.99	3/4	2,073.40	3/4	2,374.33	3/4	2,675.37	3/4	2,975.68	3/4		3/4	
11	290.69	11	593.20	11	887.04	11	1,183.09	11	1,481.34	11	1,779.21	11	2,079.67	11	2,380.60	11	2,681.65	11	2,981.92	11		11	
1/4	297.03	1/4	599.48	1/4	893.09	1/4	1,189.37	1/4	1,487.62	1/4	1,785.43	1/4	2,085.94	1/4	2,386.87	1/4	2,687.92	1/4	2,988.15	1/4		1/4	
1/2	303.36	1/2	605.76	1/2	899.13	1/2	1,195.65	1/2	1,493.89	1/2	1,791.65	1/2	2,092.20	1/2	2,393.13	1/2	2,694.19	1/2	2,994.38	1/2		1/2	
3/4	309.70	3/4	612.04	3/4	905.18	3/4	1,201.92	3/4	1,500.17	3/4	1,797.87	3/4	2,098.47	3/4	2,399.40	3/4	2,700.46	3/4	3,000.61	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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.

GAUGE POINT: (MMC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 47'-06" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 49'-00" FORWARD OF AFT BULKHEAD.

STRAPPED: 01/07/2016 CL
CALCULATED: 01/08/2016 CL
PRINTED: 01/09/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2016

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



BARGE "MM 17B"

4 STBD
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-08"

Table with columns for depth (0 FT. to 11 FT.) and rows for gauge height (0 to 11 FT.). Each cell contains capacity values for different keel positions (1/4, 1/2, 3/4).

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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.

GAUGE POINT: (MMC - 2" VALVE) LOCATED 12'-09" OFF CENTERLINE AND 47'-06" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 49'-00" FORWARD OF AFT BULKHEAD.

STRAPPED: 01/07/2016 CL
CALCULATED: 01/08/2016 CL
PRINTED: 01/09/2016 JS

CANCELS AND SUPERCEDES ALL PRIOR TO 01/2016

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

Signature of Paul Pearson



BARGE "MM 17B"

INNAGE TRIM TABLE 8" HATCH

	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	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
1 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4
2 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4
3 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4
3 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4
4 PORT	- 00-1/2	00-1/2	- 01-1/8	01-1/8	- 01-5/8	01-5/8	- 02-1/8	02-1/8	- 02-3/4	02-3/4	- 03-1/4	03-1/4
4 STBD	- 00-1/2	00-1/2	- 01-1/8	01-1/8	- 01-5/8	01-5/8	- 02-1/8	02-1/8	- 02-3/4	02-3/4	- 03-1/4	03-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 283'-03"

January 7, 2016

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

<http://www.pmacorp.net>