



# BARGE "MM 17B"

## ULLAGE 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 ULLAGE GAUGE OF 4'-00" ON 4 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 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 ULLAGE 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		0		0	2,714.06	0	2,433.54	0	2,152.74	0	1,871.86	0	1,590.97	0	1,310.15	0	1,030.08	0	751.14	0	471.54	0	194.82
1/4		1/4		1/4	2,708.25	1/4	2,427.69	1/4	2,146.89	1/4	1,866.00	1/4	1,585.12	1/4	1,304.30	1/4	1,024.22	1/4	745.36	1/4	465.69	1/4	188.99
1/2		1/2		1/2	2,702.44	1/2	2,421.84	1/2	2,141.04	1/2	1,860.15	1/2	1,579.27	1/2	1,298.45	1/2	1,018.37	1/2	739.57	1/2	459.84	1/2	183.16
3/4		3/4		3/4	2,965.67	3/4	2,696.63	3/4	2,415.99	3/4	2,135.19	3/4	1,854.30	3/4	1,573.41	3/4	1,292.60	3/4	1,012.52	3/4	733.78	3/4	453.98
1		1		1	2,962.26	1	2,690.82	1	2,410.14	1	2,129.34	1	1,848.45	1	1,567.56	1	1,286.74	1	1,006.66	1	728.00	1	448.13
1/4		1/4		1/4	2,957.87	1/4	2,685.01	1/4	2,404.29	1/4	2,123.48	1/4	1,842.60	1/4	1,561.71	1/4	1,280.89	1/4	1,000.81	1/4	722.21	1/4	442.28
1/2		1/2		1/2	2,953.48	1/2	2,679.20	1/2	2,398.44	1/2	2,117.63	1/2	1,836.75	1/2	1,555.86	1/2	1,275.04	1/2	994.96	1/2	716.43	1/2	436.42
3/4		3/4		3/4	2,949.09	3/4	2,673.39	3/4	2,392.59	3/4	2,111.78	3/4	1,830.89	3/4	1,550.01	3/4	1,269.19	3/4	989.10	3/4	710.64	3/4	430.57
2		2		2	2,944.70	2	2,667.57	2	2,386.74	2	2,105.93	2	1,825.04	2	1,544.16	2	1,263.34	2	983.25	2	704.86	2	424.72
1/4		1/4		1/4	2,939.34	1/4	2,661.72	1/4	2,380.89	1/4	2,100.08	1/4	1,819.19	1/4	1,538.30	1/4	1,257.52	1/4	977.40	1/4	699.07	1/4	418.87
1/2		1/2		1/2	2,933.97	1/2	2,655.87	1/2	2,375.03	1/2	2,094.22	1/2	1,813.34	1/2	1,532.45	1/2	1,251.70	1/2	971.55	1/2	693.28	1/2	413.01
3/4		3/4		3/4	2,928.61	3/4	2,650.02	3/4	2,369.18	3/4	2,088.37	3/4	1,807.49	3/4	1,526.60	3/4	1,245.88	3/4	965.69	3/4	687.50	3/4	407.16
3		3		3	2,923.25	3	2,644.17	3	2,363.33	3	2,082.52	3	1,801.63	3	1,520.75	3	1,240.06	3	959.84	3	681.71	3	401.31
1/4		1/4		1/4	2,917.43	1/4	2,638.32	1/4	2,357.48	1/4	2,076.67	1/4	1,795.78	1/4	1,514.90	1/4	1,234.24	1/4	954.02	1/4	675.93	1/4	395.45
1/2		1/2		1/2	2,911.62	1/2	2,632.47	1/2	2,351.63	1/2	2,070.82	1/2	1,789.93	1/2	1,509.04	1/2	1,228.43	1/2	948.20	1/2	670.14	1/2	389.60
3/4		3/4		3/4	2,905.81	3/4	2,626.62	3/4	2,345.78	3/4	2,064.97	3/4	1,784.08	3/4	1,503.19	3/4	1,222.61	3/4	942.38	3/4	664.36	3/4	383.75
4		4		4	2,900.00	4	2,620.77	4	2,339.93	4	2,059.11	4	1,778.23	4	1,497.34	4	1,216.79	4	936.56	4	658.57	4	377.90
1/4		1/4		1/4	2,894.19	1/4	2,614.92	1/4	2,334.08	1/4	2,053.26	1/4	1,772.38	1/4	1,491.50	1/4	1,210.98	1/4	930.74	1/4	652.78	1/4	372.04
1/2		1/2		1/2	2,888.38	1/2	2,609.07	1/2	2,328.23	1/2	2,047.41	1/2	1,766.52	1/2	1,485.66	1/2	1,205.16	1/2	924.92	1/2	647.00	1/2	366.19
3/4		3/4		3/4	2,882.57	3/4	2,603.22	3/4	2,322.38	3/4	2,041.56	3/4	1,760.67	3/4	1,479.81	3/4	1,199.35	3/4	919.10	3/4	641.21	3/4	360.34
5		5		5	2,876.76	5	2,597.36	5	2,316.53	5	2,035.71	5	1,754.82	5	1,473.97	5	1,193.53	5	913.29	5	635.42	5	354.48
1/4		1/4		1/4	2,870.95	1/4	2,591.51	1/4	2,310.68	1/4	2,029.85	1/4	1,748.97	1/4	1,468.13	1/4	1,187.72	1/4	907.49	1/4	629.57	1/4	348.83
1/2		1/2		1/2	2,865.14	1/2	2,585.66	1/2	2,304.82	1/2	2,024.00	1/2	1,743.12	1/2	1,462.29	1/2	1,181.90	1/2	901.69	1/2	623.71	1/2	343.18
3/4		3/4		3/4	2,859.33	3/4	2,579.81	3/4	2,298.97	3/4	2,018.15	3/4	1,737.26	3/4	1,456.44	3/4	1,176.09	3/4	895.89	3/4	617.86	3/4	337.53
6		6		6	2,853.52	6	2,573.96	6	2,293.12	6	2,012.30	6	1,731.41	6	1,450.60	6	1,170.27	6	890.10	6	612.01	6	331.87
1/4		1/4		1/4	2,847.71	1/4	2,568.11	1/4	2,287.27	1/4	2,006.45	1/4	1,725.56	1/4	1,444.75	1/4	1,164.45	1/4	884.30	1/4	606.16	1/4	326.22
1/2		1/2		1/2	2,841.90	1/2	2,562.26	1/2	2,281.42	1/2	2,000.60	1/2	1,719.71	1/2	1,438.90	1/2	1,158.64	1/2	878.50	1/2	600.30	1/2	320.57
3/4		3/4		3/4	2,836.08	3/4	2,556.41	3/4	2,275.57	3/4	1,994.74	3/4	1,713.86	3/4	1,433.04	3/4	1,152.82	3/4	872.71	3/4	594.45	3/4	314.92
7		7		7	2,830.27	7	2,550.56	7	2,269.72	7	1,988.89	7	1,708.01	7	1,427.19	7	1,147.00	7	866.91	7	588.60	7	309.26
1/4		1/4		1/4	2,824.46	1/4	2,544.71	1/4	2,263.87	1/4	1,983.04	1/4	1,702.15	1/4	1,421.34	1/4	1,141.18	1/4	861.12	1/4	582.74	1/4	303.61
1/2		1/2		1/2	2,818.65	1/2	2,538.86	1/2	2,258.02	1/2	1,977.19	1/2	1,696.30	1/2	1,415.49	1/2	1,135.36	1/2	855.33	1/2	576.89	1/2	297.96
3/4		3/4		3/4	2,812.84	3/4	2,533.01	3/4	2,252.17	3/4	1,971.34	3/4	1,690.45	3/4	1,409.64	3/4	1,129.54	3/4	849.54	3/4	571.04	3/4	292.31
8		8		8	2,807.03	8	2,527.16	8	2,246.32	8	1,965.49	8	1,684.60	8	1,403.78	8	1,123.73	8	843.75	8	565.19	8	286.65
1/4		1/4		1/4	2,801.22	1/4	2,521.30	1/4	2,240.47	1/4	1,959.63	1/4	1,678.75	1/4	1,397.93	1/4	1,117.87	1/4	837.96	1/4	559.33	1/4	281.01
1/2		1/2		1/2	2,795.41	1/2	2,515.45	1/2	2,234.63	1/2	1,953.78	1/2	1,672.90	1/2	1,392.08	1/2	1,112.02	1/2	832.17	1/2	553.48	1/2	275.37
3/4		3/4		3/4	2,789.60	3/4	2,509.60	3/4	2,228.78	3/4	1,947.93	3/4	1,667.04	3/4	1,386.23	3/4	1,106.17	3/4	826.38	3/4	547.63	3/4	269.73
9		9		9	2,783.79	9	2,503.75	9	2,222.94	9	1,942.08	9	1,661.19	9	1,380.38	9	1,100.31	9	820.59	9	541.77	9	264.09
1/4		1/4		1/4	2,777.98	1/4	2,497.90	1/4	2,217.09	1/4	1,936.23	1/4	1,655.34	1/4	1,374.52	1/4	1,094.46	1/4	814.80	1/4	535.92	1/4	258.44
1/2		1/2		1/2	2,772.17	1/2	2,492.05	1/2	2,211.25	1/2	1,930.37	1/2	1,649.49	1/2	1,368.67	1/2	1,088.61	1/2	809.01	1/2	530.07	1/2	252.80
3/4		3/4		3/4	2,766.36	3/4	2,486.20	3/4	2,205.40	3/4	1,924.52	3/4	1,643.64	3/4	1,362.82	3/4	1,082.75	3/4	803.22	3/4	524.22	3/4	247.16
10		10		10	2,760.55	10	2,480.35	10	2,199.56	10	1,918.67	10	1,637.78	10	1,356.97	10	1,076.90	10	797.43	10	518.36	10	241.52
1/4		1/4		1/4	2,754.73	1/4	2,474.50	1/4	2,193.71	1/4	1,912.82	1/4	1,631.93	1/4	1,351.12	1/4	1,071.05	1/4	791.65	1/4	512.51	1/4	235.67
1/2		1/2		1/2	2,748.92	1/2	2,468.65	1/2	2,187.85	1/2	1,906.97	1/2	1,626.08	1/2	1,345.26	1/2	1,065.19	1/2	785.86	1/2	506.66	1/2	229.83
3/4		3/4		3/4	2,743.11	3/4	2,462.80	3/4	2,182.00	3/4	1,901.12	3/4	1,620.23	3/4	1,339.41	3/4	1,059.34	3/4	780.07	3/4	500.80	3/4	223.99
11		11		11	2,737.30	11	2,456.95	11	2,176.15	11	1,895.26	11	1,614.38	11	1,333.56	11	1,053.49	11	774.28	11	494.95	11	218.15
1/4		1/4		1/4	2,731.49	1/4	2,451.09	1/4	2,170.30	1/4	1,889.41	1/4	1,608.53	1/4	1,327.71	1/4	1,047.64	1/4	768.50	1/4	489.10	1/4	212.32
1/2		1/2		1/2	2,725.68	1/2	2,445.24	1/2	2,164.45	1/2	1,883.56	1/2	1,602.67	1/2	1,321.86	1/2	1,041.78	1/2	762.71	1/2	483.25	1/2	206.48
3/4		3/4		3/4	2,719.87	3/4	2,439.39	3/4	2,158.59	3/4	1,877.71	3/4	1,596.82	3/4	1,316.00	3/4	1,035.93	3/4	756.93	3/4	477.39	3/4	200.65

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 ULLAGE 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 ULLAGE 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		0		0	2,710.30	0	2,430.37	0	2,150.16	0	1,869.86	0	1,589.56	0	1,309.32	0	1,029.83	0	750.25	0	470.56	0	194.41
1/4		1/4		1/4	2,704.51	1/4	2,424.53	1/4	2,144.32	1/4	1,864.02	1/4	1,583.72	1/4	1,303.48	1/4	1,023.99	1/4	744.45	1/4	464.72	1/4	188.59
1/2		1/2		1/2	2,698.71	1/2	2,418.69	1/2	2,138.48	1/2	1,858.18	1/2	1,577.88	1/2	1,297.64	1/2	1,018.15	1/2	738.64	1/2	458.88	1/2	182.77
3/4		3/4		3/4	2,961.39	3/4	2,692.91	3/4	2,412.86	3/4	2,132.64	3/4	1,852.34	3/4	1,572.04	3/4	1,291.80	3/4	1,012.31	3/4	732.83	3/4	453.04
1		1		1	2,957.98	1	2,687.11	1	2,407.02	1	2,126.80	1	1,846.50	1	1,566.20	1	1,285.96	1	1,006.47	1	727.02	1	447.20
1/4		1/4		1/4	2,953.60	1/4	2,681.31	1/4	2,401.18	1/4	2,120.96	1/4	1,840.66	1/4	1,566.36	1/4	1,280.12	1/4	1,000.63	1/4	721.22	1/4	441.36
1/2		1/2		1/2	2,949.23	1/2	2,675.51	1/2	2,395.34	1/2	2,115.12	1/2	1,834.82	1/2	1,554.52	1/2	1,274.28	1/2	994.79	1/2	715.41	1/2	435.52
3/4		3/4		3/4	2,944.85	3/4	2,669.71	3/4	2,389.50	3/4	2,109.28	3/4	1,828.98	3/4	1,548.68	3/4	1,268.44	3/4	988.94	3/4	709.60	3/4	429.67
2		2		2	2,940.47	2	2,663.92	2	2,383.66	2	2,103.44	2	1,823.14	2	1,542.84	2	1,262.61	2	983.10	2	703.79	2	423.83
1/4		1/4		1/4	2,935.11	1/4	2,658.08	1/4	2,377.82	1/4	2,097.60	1/4	1,817.30	1/4	1,537.00	1/4	1,256.80	1/4	977.26	1/4	697.99	1/4	417.99
1/2		1/2		1/2	2,929.76	1/2	2,652.24	1/2	2,371.99	1/2	2,091.76	1/2	1,811.46	1/2	1,531.16	1/2	1,250.99	1/2	971.42	1/2	692.18	1/2	412.15
3/4		3/4		3/4	2,924.41	3/4	2,646.40	3/4	2,366.15	3/4	2,085.92	3/4	1,805.62	3/4	1,525.32	3/4	1,245.19	3/4	965.58	3/4	686.37	3/4	406.31
3		3		3	2,919.05	3	2,640.56	3	2,360.31	3	2,080.08	3	1,799.78	3	1,519.48	3	1,239.38	3	959.74	3	680.56	3	400.47
1/4		1/4		1/4	2,913.26	1/4	2,634.72	1/4	2,354.47	1/4	2,074.24	1/4	1,793.94	1/4	1,513.64	1/4	1,233.57	1/4	953.90	1/4	674.76	1/4	394.63
1/2		1/2		1/2	2,907.46	1/2	2,628.88	1/2	2,348.63	1/2	2,068.40	1/2	1,788.10	1/2	1,507.80	1/2	1,227.77	1/2	948.06	1/2	668.95	1/2	388.79
3/4		3/4		3/4	2,901.66	3/4	2,623.05	3/4	2,342.79	3/4	2,062.56	3/4	1,782.26	3/4	1,501.96	3/4	1,221.96	3/4	942.22	3/4	663.14	3/4	382.95
4		4		4	2,895.86	4	2,617.21	4	2,336.95	4	2,056.72	4	1,776.42	4	1,496.12	4	1,216.16	4	936.38	4	657.33	4	377.11
1/4		1/4		1/4	2,890.06	1/4	2,611.37	1/4	2,331.12	1/4	2,050.88	1/4	1,770.58	1/4	1,490.29	1/4	1,210.35	1/4	930.54	1/4	651.52	1/4	371.27
1/2		1/2		1/2	2,884.26	1/2	2,605.53	1/2	2,325.28	1/2	2,045.04	1/2	1,764.74	1/2	1,484.46	1/2	1,204.55	1/2	924.69	1/2	645.72	1/2	365.43
3/4		3/4		3/4	2,878.46	3/4	2,599.69	3/4	2,319.44	3/4	2,039.20	3/4	1,758.90	3/4	1,478.63	3/4	1,198.75	3/4	918.85	3/4	639.91	3/4	359.59
5		5		5	2,872.67	5	2,593.85	5	2,313.60	5	2,033.37	5	1,753.06	5	1,472.80	5	1,192.95	5	913.01	5	634.10	5	353.75
1/4		1/4		1/4	2,866.87	1/4	2,588.01	1/4	2,307.76	1/4	2,027.53	1/4	1,747.22	1/4	1,466.97	1/4	1,187.14	1/4	907.19	1/4	628.26	1/4	348.11
1/2		1/2		1/2	2,861.07	1/2	2,582.17	1/2	2,301.92	1/2	2,021.69	1/2	1,741.39	1/2	1,461.14	1/2	1,181.34	1/2	901.37	1/2	622.41	1/2	342.47
3/4		3/4		3/4	2,855.27	3/4	2,576.34	3/4	2,296.08	3/4	2,015.85	3/4	1,735.55	3/4	1,455.31	3/4	1,175.54	3/4	895.56	3/4	616.57	3/4	336.82
6		6		6	2,849.47	6	2,570.50	6	2,290.24	6	2,010.01	6	1,729.71	6	1,449.48	6	1,169.74	6	889.74	6	610.73	6	331.18
1/4		1/4		1/4	2,843.67	1/4	2,564.66	1/4	2,284.41	1/4	2,004.17	1/4	1,723.87	1/4	1,443.64	1/4	1,163.93	1/4	883.92	1/4	604.89	1/4	325.54
1/2		1/2		1/2	2,837.87	1/2	2,558.82	1/2	2,278.57	1/2	1,998.33	1/2	1,718.03	1/2	1,437.80	1/2	1,158.12	1/2	878.10	1/2	599.05	1/2	319.90
3/4		3/4		3/4	2,832.07	3/4	2,552.98	3/4	2,272.73	3/4	1,992.49	3/4	1,712.19	3/4	1,431.96	3/4	1,152.32	3/4	872.28	3/4	593.21	3/4	314.26
7		7		7	2,826.28	7	2,547.14	7	2,266.89	7	1,986.65	7	1,706.35	7	1,426.12	7	1,146.51	7	866.46	7	587.37	7	308.62
1/4		1/4		1/4	2,820.48	1/4	2,541.30	1/4	2,261.05	1/4	1,980.81	1/4	1,700.51	1/4	1,420.28	1/4	1,140.70	1/4	860.65	1/4	581.53	1/4	302.98
1/2		1/2		1/2	2,814.68	1/2	2,535.47	1/2	2,255.21	1/2	1,974.97	1/2	1,694.67	1/2	1,414.44	1/2	1,134.90	1/2	854.84	1/2	575.69	1/2	297.34
3/4		3/4		3/4	2,808.88	3/4	2,529.63	3/4	2,249.37	3/4	1,969.13	3/4	1,688.83	3/4	1,408.60	3/4	1,129.09	3/4	849.03	3/4	569.85	3/4	291.70
8		8		8	2,803.08	8	2,523.79	8	2,243.54	8	1,963.29	8	1,682.99	8	1,402.76	8	1,123.29	8	843.21	8	564.01	8	286.06
1/4		1/4		1/4	2,797.28	1/4	2,517.95	1/4	2,237.70	1/4	1,957.45	1/4	1,677.15	1/4	1,396.92	1/4	1,117.44	1/4	837.40	1/4	558.17	1/4	280.43
1/2		1/2		1/2	2,791.48	1/2	2,512.11	1/2	2,231.87	1/2	1,951.61	1/2	1,671.31	1/2	1,391.08	1/2	1,111.60	1/2	831.59	1/2	552.33	1/2	274.80
3/4		3/4		3/4	2,785.69	3/4	2,506.27	3/4	2,226.04	3/4	1,945.77	3/4	1,665.47	3/4	1,385.24	3/4	1,105.76	3/4	825.78	3/4	546.49	3/4	269.17
9		9		9	2,779.89	9	2,500.43	9	2,220.20	9	1,939.93	9	1,659.63	9	1,379.40	9	1,099.92	9	819.97	9	540.65	9	263.53
1/4		1/4		1/4	2,774.09	1/4	2,494.60	1/4	2,214.37	1/4	1,934.09	1/4	1,653.79	1/4	1,373.56	1/4	1,094.08	1/4	814.16	1/4	534.81	1/4	257.90
1/2		1/2		1/2	2,768.29	1/2	2,488.76	1/2	2,208.54	1/2	1,928.25	1/2	1,647.95	1/2	1,367.72	1/2	1,088.24	1/2	808.35	1/2	528.96	1/2	252.27
3/4		3/4		3/4	2,762.49	3/4	2,482.92	3/4	2,202.71	3/4	1,922.41	3/4	1,642.11	3/4	1,361.88	3/4	1,082.40	3/4	802.53	3/4	523.12	3/4	246.64
10		10		10	2,756.69	10	2,477.08	10	2,196.87	10	1,916.57	10	1,636.27	10	1,356.04	10	1,076.56	10	796.72	10	517.28	10	241.01
1/4		1/4		1/4	2,750.89	1/4	2,471.24	1/4	2,191.03	1/4	1,910.73	1/4	1,630.43	1/4	1,350.20	1/4	1,070.72	1/4	790.91	1/4	511.44	1/4	235.18
1/2		1/2		1/2	2,745.10	1/2	2,465.40	1/2	2,185.19	1/2	1,904.89	1/2	1,624.59	1/2	1,344.36	1/2	1,064.88	1/2	785.10	1/2	505.60	1/2	229.35
3/4		3/4		3/4	2,739.30	3/4	2,459.56	3/4	2,179.35	3/4	1,899.05	3/4	1,618.75	3/4	1,338.52	3/4	1,059.04	3/4	779.29	3/4	499.76	3/4	223.52
11		11		11	2,733.50	11	2,453.73	11	2,173.52	11	1,893.21	11	1,612.91	11	1,332.68	11	1,053.19	11	773.48	11	493.92	11	217.69
1/4		1/4		1/4	2,727.70	1/4	2,447.89	1/4	2,167.68	1/4	1,887.38	1/4	1,607.07	1/4	1,326.84	1/4	1,047.35	1/4	767.68	1/4	488.08	1/4	211.87
1/2		1/2		1/2	2,721.90	1/2	2,442.05	1/2	2,161.84	1/2	1,881.54	1/2	1,601.23	1/2	1,321.00	1/2	1,041.51	1/2	761.87	1/2	482.24	1/2	206.05
3/4		3/4		3/4	2,716.10	3/4	2,436.21	3/4	2,156.00	3/4	1,875.70	3/4	1,595.40	3/4	1,315.16	3/4	1,035.67	3/4	756.06	3/4	476.40	3/4	200.23

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 ULLAGE 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 ULLAGE 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		0		0	2,919.56	0	2,616.21	0	2,312.56	0	2,008.84	0	1,705.11	0	1,401.45	0	1,100.89	0	807.56	0	509.82	0	210.60
1/4		1/4		1/4	3,183.32	1/4	2,913.28	1/4	2,609.88	1/4	2,306.23	1/4	1,698.78	1/4	1,395.13	1/4	1,094.56	1/4	801.54	1/4	503.49	1/4	204.30
1/2		1/2		1/2	2,906.99	1/2	2,603.55	1/2	2,299.91	1/2	1,996.18	1/2	1,692.46	1/2	1,388.80	1/2	1,088.23	1/2	795.51	1/2	497.16	1/2	197.99
3/4		3/4		3/4	3,191.76	3/4	2,900.70	3/4	2,597.23	3/4	2,293.58	3/4	1,989.85	3/4	1,686.13	3/4	1,382.47	3/4	1,081.90	3/4	789.48	3/4	191.68
1		1		1	2,894.42	1	2,590.90	1	2,287.25	1	1,983.53	1	1,679.80	1	1,376.14	1	1,075.57	1	783.46	1	484.50	1	185.37
1/4		1/4		1/4	3,183.32	1/4	2,888.13	1/4	2,584.57	1/4	2,280.92	1/4	1,977.20	1/4	1,673.47	1/4	1,369.81	1/4	1,069.24	1/4	777.43	1/4	179.06
1/2		1/2		1/2	3,178.58	1/2	2,881.84	1/2	2,578.25	1/2	2,274.60	1/2	1,970.87	1/2	1,667.15	1/2	1,363.49	1/2	1,062.91	1/2	771.40	1/2	172.76
3/4		3/4		3/4	3,173.83	3/4	2,875.56	3/4	2,571.92	3/4	2,268.27	3/4	1,964.54	3/4	1,660.82	3/4	1,357.16	3/4	1,056.58	3/4	765.38	3/4	166.45
2		2		2	2,869.27	2	2,565.59	2	2,261.94	2	1,958.22	2	1,654.49	2	1,350.83	2	1,050.25	2	759.35	2	459.19	2	160.14
1/4		1/4		1/4	3,163.29	1/4	2,862.94	1/4	2,559.27	1/4	2,255.61	1/4	1,951.89	1/4	1,648.16	1/4	1,344.63	1/4	1,043.92	1/4	753.32	1/4	153.94
1/2		1/2		1/2	3,157.49	1/2	2,856.62	1/2	2,552.94	1/2	2,249.29	1/2	1,945.56	1/2	1,641.84	1/2	1,338.44	1/2	1,037.60	1/2	747.30	1/2	147.73
3/4		3/4		3/4	3,151.69	3/4	2,850.29	3/4	2,546.61	3/4	2,242.96	3/4	1,939.23	3/4	1,635.51	3/4	1,332.24	3/4	1,031.27	3/4	741.27	3/4	141.53
3		3		3	2,843.96	3	2,540.29	3	2,236.63	3	1,932.91	3	1,629.18	3	1,326.05	3	1,024.94	3	735.24	3	433.88	3	135.32
1/4		1/4		1/4	3,139.60	1/4	2,837.64	1/4	2,533.96	1/4	2,230.30	1/4	1,926.58	1/4	1,622.85	1/4	1,319.85	1/4	1,018.88	1/4	729.22	1/4	129.24
1/2		1/2		1/2	3,133.31	1/2	2,831.31	1/2	2,527.63	1/2	2,223.97	1/2	1,920.25	1/2	1,616.53	1/2	1,313.65	1/2	1,012.82	1/2	723.19	1/2	123.15
3/4		3/4		3/4	3,127.02	3/4	2,824.98	3/4	2,521.31	3/4	2,217.65	3/4	1,913.92	3/4	1,610.20	3/4	1,307.46	3/4	1,006.76	3/4	717.16	3/4	117.06
4		4		4	2,818.66	4	2,514.98	4	2,211.32	4	1,907.59	4	1,603.87	4	1,301.26	4	1,000.70	4	711.14	4	408.56	4	110.97
1/4		1/4		1/4	3,114.45	1/4	2,812.33	1/4	2,508.65	1/4	2,204.99	1/4	1,901.27	1/4	1,597.55	1/4	1,295.07	1/4	994.64	1/4	705.11	1/4	104.90
1/2		1/2		1/2	3,108.16	1/2	2,806.00	1/2	2,502.33	1/2	2,198.66	1/2	1,894.94	1/2	1,591.23	1/2	1,288.88	1/2	988.58	1/2	699.08	1/2	98.83
3/4		3/4		3/4	3,101.88	3/4	2,799.68	3/4	2,496.00	3/4	2,192.34	3/4	1,888.61	3/4	1,584.91	3/4	1,282.68	3/4	982.52	3/4	693.05	3/4	92.75
5		5		5	2,793.35	5	2,489.67	5	2,186.01	5	1,882.28	5	1,578.60	5	1,276.49	5	976.46	5	687.02	5	383.25	5	86.68
1/4		1/4		1/4	3,089.30	1/4	2,787.02	1/4	2,483.35	1/4	2,179.68	1/4	1,875.96	1/4	1,572.28	1/4	1,270.30	1/4	970.42	1/4	680.69	1/4	80.61
1/2		1/2		1/2	3,083.02	1/2	2,780.70	1/2	2,477.02	1/2	2,173.35	1/2	1,869.63	1/2	1,565.96	1/2	1,264.10	1/2	964.38	1/2	674.37	1/2	74.55
3/4		3/4		3/4	3,076.73	3/4	2,774.37	3/4	2,470.69	3/4	2,167.03	3/4	1,863.30	3/4	1,559.64	3/4	1,257.91	3/4	958.34	3/4	668.04	3/4	68.48
6		6		6	2,768.04	6	2,464.37	6	2,160.70	6	1,856.97	6	1,553.32	6	1,251.72	6	952.30	6	661.71	6	358.80	6	62.42
1/4		1/4		1/4	3,064.16	1/4	2,761.72	1/4	2,458.04	1/4	2,154.37	1/4	1,850.65	1/4	1,546.99	1/4	1,245.52	1/4	946.27	1/4	655.38	1/4	56.39
1/2		1/2		1/2	3,057.87	1/2	2,755.39	1/2	2,451.71	1/2	2,148.04	1/2	1,844.32	1/2	1,540.67	1/2	1,239.33	1/2	940.23	1/2	649.05	1/2	50.36
3/4		3/4		3/4	3,051.58	3/4	2,749.06	3/4	2,445.39	3/4	2,141.72	3/4	1,837.99	3/4	1,534.34	3/4	1,233.13	3/4	934.19	3/4	642.72	3/4	44.33
7		7		7	2,742.74	7	2,439.06	7	2,135.39	7	1,831.66	7	1,528.01	7	1,226.93	7	928.15	7	636.39	7	334.36	7	38.30
1/4		1/4		1/4	3,039.01	1/4	2,736.41	1/4	2,432.73	1/4	2,129.06	1/4	1,825.34	1/4	1,521.68	1/4	1,220.74	1/4	922.12	1/4	630.06	1/4	33.14
1/2		1/2		1/2	3,032.72	1/2	2,730.08	1/2	2,426.41	1/2	2,122.73	1/2	1,819.01	1/2	1,515.36	1/2	1,214.54	1/2	916.09	1/2	623.74	1/2	27.97
3/4		3/4		3/4	3,026.44	3/4	2,723.76	3/4	2,420.08	3/4	2,116.41	3/4	1,812.68	3/4	1,509.03	3/4	1,208.35	3/4	910.06	3/4	617.41	3/4	22.81
8		8		8	2,717.43	8	2,413.75	8	2,110.08	8	1,806.35	8	1,502.70	8	1,202.15	8	904.03	8	611.08	8	309.91	8	17.65
1/4		1/4		1/4	3,013.86	1/4	2,711.10	1/4	2,407.43	1/4	2,103.75	1/4	1,800.03	1/4	1,496.37	1/4	1,195.82	1/4	898.00	1/4	604.75	1/4	303.81
1/2		1/2		1/2	3,007.58	1/2	2,704.78	1/2	2,401.11	1/2	2,097.42	1/2	1,793.70	1/2	1,490.04	1/2	1,189.49	1/2	891.97	1/2	598.42	1/2	297.71
3/4		3/4		3/4	3,001.29	3/4	2,698.45	3/4	2,394.79	3/4	2,091.10	3/4	1,787.37	3/4	1,483.72	3/4	1,183.16	3/4	885.94	3/4	592.09	3/4	291.61
9		9		9	2,692.12	9	2,388.47	9	2,084.77	9	1,781.04	9	1,477.39	9	1,176.83	9	879.91	9	585.76	9	285.51	9	
1/4		1/4		1/4	2,988.72	1/4	2,685.80	1/4	2,382.15	1/4	2,078.44	1/4	1,774.72	1/4	1,471.06	1/4	1,170.50	1/4	873.88	1/4	579.44	1/4	279.41
1/2		1/2		1/2	2,982.43	1/2	2,679.47	1/2	2,375.83	1/2	2,072.11	1/2	1,768.39	1/2	1,464.73	1/2	1,164.18	1/2	867.84	1/2	573.11	1/2	273.31
3/4		3/4		3/4	2,976.14	3/4	2,673.14	3/4	2,369.50	3/4	2,065.78	3/4	1,762.06	3/4	1,458.40	3/4	1,157.85	3/4	861.81	3/4	566.78	3/4	267.21
10		10		10	2,669.86	10	2,666.82	10	2,363.18	10	2,059.46	10	1,755.73	10	1,452.08	10	1,151.52	10	855.78	10	560.45	10	261.11
1/4		1/4		1/4	2,963.57	1/4	2,660.49	1/4	2,356.85	1/4	2,053.13	1/4	1,749.40	1/4	1,445.75	1/4	1,145.19	1/4	849.75	1/4	554.12	1/4	254.79
1/2		1/2		1/2	2,957.28	1/2	2,654.17	1/2	2,350.53	1/2	2,046.80	1/2	1,743.08	1/2	1,439.42	1/2	1,138.86	1/2	843.73	1/2	547.79	1/2	248.47
3/4		3/4		3/4	2,951.00	3/4	2,647.84	3/4	2,344.20	3/4	2,040.47	3/4	1,736.75	3/4	1,433.09	3/4	1,132.53	3/4	837.70	3/4	541.46	3/4	242.15
11		11		11	2,944.71	11	2,641.51	11	2,337.87	11	2,034.15	11	1,730.42	11	1,426.76	11	1,126.20	11	831.67	11	535.13	11	235.83
1/4		1/4		1/4	2,938.42	1/4	2,635.19	1/4	2,331.54	1/4	2,027.82	1/4	1,724.09	1/4	1,420.44	1/4	1,119.87	1/4	825.64	1/4	528.81	1/4	229.53
1/2		1/2		1/2	2,932.14	1/2	2,628.86	1/2	2,325.22	1/2	2,021.49	1/2	1,717.77	1/2	1,414.11	1/2	1,113.54	1/2	819.62	1/2	522.48	1/2	223.22
3/4		3/4		3/4	2,925.85	3/4	2,622.53	3/4	2,318.89	3/4	2,015.16	3/4	1,711.44	3/4	1,407.78	3/4	1,107.21	3/4	813.59	3/4	516.15	3/4	216.91

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 ULLAGE 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.

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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 ULLAGE 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		0		0	2,934.67	0	2,631.30	0	2,327.65	0	2,023.92	0	1,720.19	0	1,416.53	0	1,115.96	0	812.95	0	509.82	0	210.60
1/4		1/4		1/4	2,928.38	1/4	2,624.97	1/4	2,321.32	1/4	2,017.59	1/4	1,713.86	1/4	1,410.20	1/4	1,109.63	1/4	806.65	1/4	503.49	1/4	204.29
1/2		1/2		1/2	2,922.09	1/2	2,618.65	1/2	2,314.99	1/2	2,011.26	1/2	1,707.54	1/2	1,403.87	1/2	1,103.30	1/2	800.36	1/2	497.16	1/2	197.99
3/4		3/4		3/4	3,206.86	3/4	2,915.81	3/4	2,612.32	3/4	2,308.67	3/4	2,004.94	3/4	1,701.21	3/4	1,397.54	3/4	1,096.97	3/4	794.06	3/4	191.68
1		1		1	3,203.17	1	2,909.52	1	2,605.99	1	2,302.34	1	1,998.61	1	1,694.88	1	1,391.22	1	1,090.64	1	787.76	1	185.37
1/4		1/4		1/4	3,198.42	1/4	2,903.23	1/4	2,599.67	1/4	2,296.01	1/4	1,992.28	1/4	1,688.55	1/4	1,384.89	1/4	1,084.31	1/4	781.47	1/4	179.06
1/2		1/2		1/2	3,193.68	1/2	2,896.95	1/2	2,593.34	1/2	2,289.68	1/2	1,985.95	1/2	1,682.22	1/2	1,378.56	1/2	1,077.98	1/2	775.17	1/2	172.75
3/4		3/4		3/4	3,188.93	3/4	2,890.66	3/4	2,587.01	3/4	2,283.36	3/4	1,979.63	3/4	1,675.90	3/4	1,372.23	3/4	1,071.65	3/4	768.88	3/4	166.45
2		2		2	3,184.19	2	2,884.37	2	2,580.69	2	2,277.03	2	1,973.30	2	1,669.57	2	1,365.90	2	1,065.32	2	762.58	2	160.14
1/4		1/4		1/4	3,178.39	1/4	2,878.05	1/4	2,574.36	1/4	2,270.70	1/4	1,966.97	1/4	1,663.24	1/4	1,359.71	1/4	1,058.99	1/4	756.29	1/4	153.93
1/2		1/2		1/2	3,172.59	1/2	2,871.72	1/2	2,568.03	1/2	2,264.37	1/2	1,960.64	1/2	1,656.91	1/2	1,353.51	1/2	1,052.66	1/2	749.99	1/2	147.73
3/4		3/4		3/4	3,166.78	3/4	2,865.39	3/4	2,561.71	3/4	2,258.04	3/4	1,954.32	3/4	1,650.59	3/4	1,347.31	3/4	1,046.34	3/4	743.70	3/4	141.52
3		3		3	3,160.98	3	2,859.07	3	2,555.38	3	2,251.72	3	1,947.99	3	1,644.26	3	1,341.12	3	1,040.01	3	737.40	3	135.32
1/4		1/4		1/4	3,154.70	1/4	2,852.74	1/4	2,549.05	1/4	2,245.39	1/4	1,941.66	1/4	1,637.93	1/4	1,334.92	1/4	1,033.68	1/4	731.10	1/4	129.23
1/2		1/2		1/2	3,148.41	1/2	2,846.41	1/2	2,542.73	1/2	2,239.06	1/2	1,935.33	1/2	1,631.60	1/2	1,328.73	1/2	1,027.35	1/2	724.81	1/2	123.15
3/4		3/4		3/4	3,142.12	3/4	2,840.09	3/4	2,536.40	3/4	2,232.73	3/4	1,929.00	3/4	1,625.27	3/4	1,322.53	3/4	1,021.02	3/4	718.51	3/4	117.06
4		4		4	3,135.84	4	2,833.76	4	2,530.07	4	2,226.41	4	1,922.68	4	1,618.95	4	1,316.33	4	1,014.69	4	712.22	4	110.97
1/4		1/4		1/4	3,129.55	1/4	2,827.43	1/4	2,523.75	1/4	2,220.08	1/4	1,916.35	1/4	1,612.63	1/4	1,310.14	1/4	1,008.36	1/4	705.92	1/4	104.90
1/2		1/2		1/2	3,123.26	1/2	2,821.10	1/2	2,517.42	1/2	2,213.75	1/2	1,910.02	1/2	1,606.31	1/2	1,303.95	1/2	1,002.03	1/2	699.62	1/2	98.82
3/4		3/4		3/4	3,116.98	3/4	2,814.78	3/4	2,511.09	3/4	2,207.42	3/4	1,903.69	3/4	1,599.99	3/4	1,297.76	3/4	995.70	3/4	693.33	3/4	92.75
5		5		5	3,110.69	5	2,808.45	5	2,504.76	5	2,201.10	5	1,897.37	5	1,593.67	5	1,291.56	5	989.37	5	687.03	5	86.67
1/4		1/4		1/4	3,104.40	1/4	2,802.12	1/4	2,498.44	1/4	2,194.77	1/4	1,891.04	1/4	1,587.36	1/4	1,285.37	1/4	983.07	1/4	680.70	1/4	80.61
1/2		1/2		1/2	3,098.12	1/2	2,795.80	1/2	2,492.11	1/2	2,188.44	1/2	1,884.71	1/2	1,581.04	1/2	1,279.18	1/2	976.76	1/2	674.37	1/2	74.54
3/4		3/4		3/4	3,091.83	3/4	2,789.47	3/4	2,485.78	3/4	2,182.11	3/4	1,878.38	3/4	1,574.72	3/4	1,272.98	3/4	970.45	3/4	668.04	3/4	68.48
6		6		6	3,085.54	6	2,783.14	6	2,479.46	6	2,175.78	6	1,872.06	6	1,568.40	6	1,266.79	6	964.14	6	661.71	6	62.41
1/4		1/4		1/4	3,079.26	1/4	2,776.82	1/4	2,473.13	1/4	2,169.46	1/4	1,865.73	1/4	1,562.07	1/4	1,260.60	1/4	957.84	1/4	655.38	1/4	56.38
1/2		1/2		1/2	3,072.97	1/2	2,770.49	1/2	2,466.80	1/2	2,163.13	1/2	1,859.40	1/2	1,555.74	1/2	1,254.40	1/2	951.53	1/2	649.06	1/2	50.35
3/4		3/4		3/4	3,066.68	3/4	2,764.16	3/4	2,460.48	3/4	2,156.80	3/4	1,853.07	3/4	1,549.42	3/4	1,248.20	3/4	945.22	3/4	642.73	3/4	44.32
7		7		7	3,060.40	7	2,757.84	7	2,454.15	7	2,150.47	7	1,846.74	7	1,543.09	7	1,242.01	7	938.92	7	636.40	7	38.29
1/4		1/4		1/4	3,054.11	1/4	2,751.51	1/4	2,447.82	1/4	2,144.15	1/4	1,840.42	1/4	1,536.76	1/4	1,235.81	1/4	932.62	1/4	630.07	1/4	33.13
1/2		1/2		1/2	3,047.82	1/2	2,745.18	1/2	2,441.50	1/2	2,137.82	1/2	1,834.09	1/2	1,530.43	1/2	1,229.61	1/2	926.32	1/2	623.74	1/2	27.97
3/4		3/4		3/4	3,041.54	3/4	2,738.86	3/4	2,435.17	3/4	2,131.49	3/4	1,827.76	3/4	1,524.10	3/4	1,223.42	3/4	920.02	3/4	617.41	3/4	22.81
8		8		8	3,035.25	8	2,732.53	8	2,428.84	8	2,125.16	8	1,821.43	8	1,517.78	8	1,217.22	8	913.72	8	611.08	8	17.65
1/4		1/4		1/4	3,028.96	1/4	2,726.20	1/4	2,422.52	1/4	2,118.84	1/4	1,815.11	1/4	1,511.45	1/4	1,210.89	1/4	907.42	1/4	604.75	1/4	303.81
1/2		1/2		1/2	3,022.68	1/2	2,719.88	1/2	2,416.20	1/2	2,112.51	1/2	1,808.78	1/2	1,505.12	1/2	1,204.56	1/2	901.12	1/2	598.43	1/2	297.71
3/4		3/4		3/4	3,016.39	3/4	2,713.55	3/4	2,409.88	3/4	2,106.18	3/4	1,802.45	3/4	1,498.79	3/4	1,198.23	3/4	894.82	3/4	592.10	3/4	291.61
9		9		9	3,010.10	9	2,707.22	9	2,403.56	9	2,099.85	9	1,796.12	9	1,492.46	9	1,191.90	9	888.52	9	585.77	9	285.51
1/4		1/4		1/4	3,003.82	1/4	2,700.90	1/4	2,397.24	1/4	2,093.52	1/4	1,789.80	1/4	1,486.14	1/4	1,185.58	1/4	882.22	1/4	579.44	1/4	279.41
1/2		1/2		1/2	2,997.53	1/2	2,694.57	1/2	2,390.92	1/2	2,087.20	1/2	1,783.47	1/2	1,479.81	1/2	1,179.25	1/2	875.92	1/2	573.11	1/2	273.31
3/4		3/4		3/4	2,991.25	3/4	2,688.24	3/4	2,384.59	3/4	2,080.87	3/4	1,777.14	3/4	1,473.48	3/4	1,172.92	3/4	869.62	3/4	566.78	3/4	267.21
10		10		10	2,984.96	10	2,681.92	10	2,378.27	10	2,074.54	10	1,467.81	10	1,467.15	10	1,166.59	10	863.32	10	560.45	10	261.11
1/4		1/4		1/4	2,978.67	1/4	2,675.59	1/4	2,371.94	1/4	2,068.21	1/4	1,764.48	1/4	1,460.82	1/4	1,160.26	1/4	857.02	1/4	554.12	1/4	254.79
1/2		1/2		1/2	2,972.39	1/2	2,669.26	1/2	2,365.62	1/2	2,061.89	1/2	1,758.16	1/2	1,454.50	1/2	1,153.93	1/2	850.72	1/2	547.80	1/2	248.47
3/4		3/4		3/4	2,966.10	3/4	2,662.93	3/4	2,359.29	3/4	2,055.56	3/4	1,751.83	3/4	1,448.17	3/4	1,147.60	3/4	844.43	3/4	541.47	3/4	242.15
11		11		11	2,959.81	11	2,656.61	11	2,352.96	11	2,049.23	11	1,745.50	11	1,441.84	11	1,141.27	11	838.13	11	535.14	11	235.83
1/4		1/4		1/4	2,953.53	1/4	2,650.28	1/4	2,346.63	1/4	2,042.90	1/4	1,739.17	1/4	1,435.51	1/4	1,134.94	1/4	831.83	1/4	528.81	1/4	229.53
1/2		1/2		1/2	2,947.24	1/2	2,643.95	1/2	2,340.31	1/2	2,036.58	1/2	1,732.85	1/2	1,429.18	1/2	1,128.61	1/2	825.54	1/2	522.48	1/2	223.22
3/4		3/4		3/4	2,940.95	3/4	2,637.63	3/4	2,333.98	3/4	2,030.25	3/4	1,726.52	3/4	1,422.86	3/4	1,122.28	3/4	819.24	3/4	516.15	3/4	216.91

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# BARGE "MM 17B"

## 3 PORT ULLAGE 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		0		0	2,915.81	0	2,612.85	0	2,309.61	0	2,006.29	0	1,702.96	0	1,399.70	0	1,099.53	0	806.60	0	509.25	0	210.38
1/4		1/4		1/4	2,909.53	1/4	2,606.53	1/4	2,303.29	1/4	1,999.97	1/4	1,696.64	1/4	1,393.38	1/4	1,093.21	1/4	800.58	1/4	502.93	1/4	204.08
1/2		1/2		1/2	2,903.25	1/2	2,600.22	1/2	2,296.97	1/2	1,993.65	1/2	1,690.32	1/2	1,387.06	1/2	1,086.89	1/2	794.56	1/2	496.61	1/2	197.78
3/4		3/4	3,187.64	3/4	2,896.98	3/4	2,593.90	3/4	2,290.65	3/4	1,987.33	3/4	1,684.00	3/4	1,380.74	3/4	1,080.57	3/4	788.54	3/4	490.29	3/4	191.48
1		1	3,183.95	1	2,890.70	1	2,587.58	1	2,284.34	1	1,981.01	1	1,677.68	1	1,374.42	1	1,074.25	1	782.52	1	483.97	1	185.18
1/4		1/4	3,179.22	1/4	2,884.42	1/4	2,581.26	1/4	2,278.02	1/4	1,974.69	1/4	1,671.36	1/4	1,368.10	1/4	1,067.93	1/4	776.51	1/4	477.65	1/4	178.88
1/2		1/2	3,174.48	1/2	2,878.14	1/2	2,574.94	1/2	2,271.70	1/2	1,968.37	1/2	1,665.04	1/2	1,361.78	1/2	1,061.61	1/2	770.49	1/2	471.33	1/2	172.58
3/4		3/4	3,169.74	3/4	2,871.86	3/4	2,568.62	3/4	2,265.38	3/4	1,962.05	3/4	1,658.72	3/4	1,355.46	3/4	1,055.29	3/4	764.47	3/4	465.01	3/4	166.28
2		2	3,165.00	2	2,865.58	2	2,562.31	2	2,259.06	2	1,955.73	2	1,652.40	2	1,349.14	2	1,048.96	2	758.45	2	458.69	2	159.98
1/4		1/4	3,159.21	1/4	2,859.27	1/4	2,555.99	1/4	2,252.74	1/4	1,949.41	1/4	1,646.09	1/4	1,342.96	1/4	1,042.64	1/4	752.43	1/4	452.37	1/4	153.78
1/2		1/2	3,153.42	1/2	2,852.95	1/2	2,549.67	1/2	2,246.42	1/2	1,943.09	1/2	1,639.77	1/2	1,336.77	1/2	1,036.32	1/2	746.41	1/2	446.04	1/2	147.58
3/4		3/4	3,147.63	3/4	2,846.63	3/4	2,543.35	3/4	2,240.10	3/4	1,936.77	3/4	1,633.45	3/4	1,330.58	3/4	1,030.00	3/4	740.39	3/4	439.72	3/4	141.39
3		3	3,141.83	3	2,840.31	3	2,537.03	3	2,233.78	3	1,930.45	3	1,627.13	3	1,324.39	3	1,023.68	3	734.37	3	433.40	3	135.19
1/4		1/4	3,135.56	1/4	2,833.99	1/4	2,530.71	1/4	2,227.46	1/4	1,924.13	1/4	1,620.81	1/4	1,318.20	1/4	1,017.63	1/4	728.36	1/4	427.08	1/4	129.11
1/2		1/2	3,129.28	1/2	2,827.67	1/2	2,524.40	1/2	2,221.14	1/2	1,917.82	1/2	1,614.49	1/2	1,312.02	1/2	1,011.58	1/2	722.34	1/2	420.76	1/2	123.02
3/4		3/4	3,123.00	3/4	2,821.36	3/4	2,518.08	3/4	2,214.82	3/4	1,911.50	3/4	1,608.17	3/4	1,305.83	3/4	1,005.53	3/4	716.32	3/4	414.44	3/4	116.94
4		4	3,116.72	4	2,815.04	4	2,511.76	4	2,208.50	4	1,905.18	4	1,601.85	4	1,299.64	4	999.47	4	710.30	4	408.12	4	110.86
1/4		1/4	3,110.44	1/4	2,808.72	1/4	2,505.44	1/4	2,202.18	1/4	1,898.86	1/4	1,595.54	1/4	1,293.46	1/4	993.42	1/4	704.28	1/4	401.80	1/4	104.79
1/2		1/2	3,104.16	1/2	2,802.40	1/2	2,499.12	1/2	2,195.86	1/2	1,892.54	1/2	1,589.23	1/2	1,287.27	1/2	987.37	1/2	698.26	1/2	395.48	1/2	98.72
3/4		3/4	3,097.89	3/4	2,796.08	3/4	2,492.80	3/4	2,189.55	3/4	1,886.22	3/4	1,582.92	3/4	1,281.09	3/4	981.32	3/4	692.24	3/4	389.16	3/4	92.65
5		5	3,091.61	5	2,789.76	5	2,486.49	5	2,183.23	5	1,879.90	5	1,576.61	5	1,274.90	5	975.27	5	686.22	5	382.84	5	86.59
1/4		1/4	3,085.33	1/4	2,783.45	1/4	2,480.17	1/4	2,176.91	1/4	1,873.58	1/4	1,570.30	1/4	1,269.72	1/4	969.24	1/4	679.90	1/4	374.74	1/4	80.53
1/2		1/2	3,079.05	1/2	2,777.13	1/2	2,473.85	1/2	2,170.59	1/2	1,867.26	1/2	1,563.99	1/2	1,262.53	1/2	963.21	1/2	673.58	1/2	370.63	1/2	74.47
3/4		3/4	3,072.77	3/4	2,770.81	3/4	2,467.53	3/4	2,164.27	3/4	1,860.94	3/4	1,557.68	3/4	1,256.35	3/4	957.18	3/4	667.26	3/4	364.52	3/4	68.41
6		6	3,066.49	6	2,764.49	6	2,461.21	6	2,157.95	6	1,854.62	6	1,551.37	6	1,250.17	6	951.15	6	660.93	6	358.42	6	62.35
1/4		1/4	3,060.22	1/4	2,758.17	1/4	2,454.90	1/4	2,151.63	1/4	1,848.30	1/4	1,545.05	1/4	1,243.98	1/4	945.12	1/4	654.61	1/4	352.31	1/4	56.32
1/2		1/2	3,053.94	1/2	2,751.86	1/2	2,448.58	1/2	2,145.31	1/2	1,841.98	1/2	1,538.73	1/2	1,237.79	1/2	939.09	1/2	648.29	1/2	346.21	1/2	50.30
3/4		3/4	3,047.66	3/4	2,745.54	3/4	2,442.26	3/4	2,138.99	3/4	1,835.66	3/4	1,532.41	3/4	1,231.60	3/4	933.06	3/4	641.97	3/4	340.10	3/4	44.27
7		7	3,041.38	7	2,739.22	7	2,435.94	7	2,132.67	7	1,829.35	7	1,526.09	7	1,225.41	7	927.03	7	635.65	7	334.00	7	38.25
1/4		1/4	3,035.10	1/4	2,732.90	1/4	2,429.62	1/4	2,126.35	1/4	1,823.03	1/4	1,519.77	1/4	1,219.22	1/4	921.00	1/4	629.33	1/4	327.89	1/4	33.09
1/2		1/2	3,028.82	1/2	2,726.58	1/2	2,423.30	1/2	2,120.03	1/2	1,816.71	1/2	1,513.45	1/2	1,213.04	1/2	914.98	1/2	623.01	1/2	321.79	1/2	27.94
3/4		3/4	3,022.54	3/4	2,720.26	3/4	2,416.99	3/4	2,113.71	3/4	1,810.39	3/4	1,507.13	3/4	1,206.85	3/4	908.96	3/4	616.69	3/4	315.68	3/4	22.78
8		8	3,016.27	8	2,713.95	8	2,410.67	8	2,107.39	8	1,804.07	8	1,500.81	8	1,200.66	8	902.94	8	610.37	8	309.57	8	17.62
1/4		1/4	3,009.99	1/4	2,707.63	1/4	2,404.35	1/4	2,101.08	1/4	1,797.75	1/4	1,494.49	1/4	1,194.34	1/4	896.91	1/4	604.05	1/4	303.48	1/4	
1/2		1/2	3,003.71	1/2	2,701.31	1/2	2,398.04	1/2	2,094.76	1/2	1,791.43	1/2	1,488.17	1/2	1,188.02	1/2	890.89	1/2	597.73	1/2	297.38	1/2	
3/4		3/4	2,997.43	3/4	2,694.99	3/4	2,391.73	3/4	2,088.44	3/4	1,785.11	3/4	1,481.85	3/4	1,181.70	3/4	884.87	3/4	591.41	3/4	291.29	3/4	
9		9	2,991.15	9	2,688.67	9	2,385.42	9	2,082.12	9	1,778.79	9	1,475.53	9	1,175.38	9	878.84	9	585.09	9	285.19	9	
1/4		1/4	2,984.87	1/4	2,682.35	1/4	2,379.10	1/4	2,075.80	1/4	1,772.47	1/4	1,469.22	1/4	1,169.06	1/4	872.82	1/4	578.77	1/4	279.10	1/4	
1/2		1/2	2,978.60	1/2	2,676.04	1/2	2,372.79	1/2	2,069.48	1/2	1,766.15	1/2	1,462.90	1/2	1,162.74	1/2	866.80	1/2	572.45	1/2	273.00	1/2	
3/4		3/4	2,972.32	3/4	2,669.72	3/4	2,366.48	3/4	2,063.16	3/4	1,759.83	3/4	1,456.58	3/4	1,156.42	3/4	860.78	3/4	566.13	3/4	266.91	3/4	
10		10	2,966.04	10	2,663.40	10	2,360.17	10	2,056.84	10	1,753.51	10	1,450.26	10	1,150.09	10	854.75	10	559.81	10	260.81	10	
1/4		1/4	2,959.76	1/4	2,657.08	1/4	2,353.85	1/4	2,050.52	1/4	1,747.19	1/4	1,443.94	1/4	1,143.77	1/4	848.73	1/4	553.49	1/4	254.50	1/4	
1/2		1/2	2,953.48	1/2	2,650.76	1/2	2,347.53	1/2	2,044.20	1/2	1,740.88	1/2	1,437.62	1/2	1,137.45	1/2	842.71	1/2	547.17	1/2	248.19	1/2	
3/4		3/4	2,947.20	3/4	2,644.44	3/4	2,341.21	3/4	2,037.88	3/4	1,734.56	3/4	1,431.30	3/4	1,131.13	3/4	836.69	3/4	540.85	3/4	241.88	3/4	
11		11	2,940.93	11	2,638.13	11	2,334.89	11	2,031.56	11	1,728.24	11	1,424.98	11	1,124.81	11	830.67	11	534.53	11	235.57	11	
1/4		1/4	2,934.65	1/4	2,631.81	1/4	2,328.57	1/4	2,025.24	1/4	1,721.92	1/4	1,418.66	1/4	1,118.49	1/4	824.65	1/4	528.21	1/4	229.27	1/4	
1/2		1/2	2,928.37	1/2	2,625.49	1/2	2,322.25	1/2	2,018.92	1/2	1,715.60	1/2	1,412.34	1/2	1,112.17	1/2	818.64	1/2	521.89	1/2	222.97	1/2	
3/4		3/4	2,922.09	3/4	2,619.17	3/4	2,315.93	3/4	2,012.61	3/4	1,709.28	3/4	1,406.02	3/4	1,105.85	3/4	812.62	3/4	515.57	3/4	216.68	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 ULLAGE 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 ULLAGE 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		0		0	2,943.20	0	2,639.66	0	2,335.80	0	2,031.84	0	1,727.89	0	1,424.00	0	1,123.21	0	819.95	0	516.64	0	217.13
1/4		1/4		1/4	2,936.91	1/4	2,633.32	1/4	2,329.46	1/4	2,025.51	1/4	1,721.55	1/4	1,417.67	1/4	1,116.88	1/4	813.65	1/4	510.30	1/4	210.81
1/2		1/2		1/2	2,930.62	1/2	2,626.99	1/2	2,323.13	1/2	2,019.18	1/2	1,715.22	1/2	1,411.34	1/2	1,110.54	1/2	807.35	1/2	503.97	1/2	204.50
3/4		3/4		3/4	2,924.32	3/4	2,620.66	3/4	2,316.80	3/4	2,012.84	3/4	1,708.89	3/4	1,405.00	3/4	1,104.21	3/4	801.05	3/4	497.64	3/4	198.19
1		1	3,209.30	1	2,918.03	1	2,614.33	1	2,310.47	1	2,006.51	1	1,702.56	1	1,398.67	1	1,097.88	1	794.75	1	491.30	1	191.88
1/4		1/4	3,205.61	1/4	2,911.74	1/4	2,608.00	1/4	2,304.13	1/4	2,000.18	1/4	1,696.22	1/4	1,392.34	1/4	1,091.54	1/4	788.45	1/4	484.97	1/4	185.56
1/2		1/2	3,200.86	1/2	2,905.45	1/2	2,601.67	1/2	2,297.80	1/2	1,993.85	1/2	1,689.89	1/2	1,386.01	1/2	1,085.21	1/2	782.15	1/2	478.64	1/2	179.25
3/4		3/4	3,196.11	3/4	2,899.16	3/4	2,595.34	3/4	2,291.47	3/4	1,987.51	3/4	1,683.56	3/4	1,379.67	3/4	1,078.88	3/4	775.85	3/4	472.30	3/4	172.94
2		2	3,191.36	2	2,892.87	2	2,589.01	2	2,285.14	2	1,981.18	2	1,677.23	2	1,373.34	2	1,072.54	2	769.55	2	465.97	2	166.63
1/4		1/4	3,186.61	1/4	2,886.58	1/4	2,582.67	1/4	2,278.81	1/4	1,974.85	1/4	1,670.89	1/4	1,367.01	1/4	1,066.21	1/4	763.25	1/4	459.64	1/4	160.31
1/2		1/2	3,180.81	1/2	2,880.24	1/2	2,576.34	1/2	2,272.47	1/2	1,968.52	1/2	1,664.56	1/2	1,360.81	1/2	1,059.87	1/2	756.95	1/2	453.30	1/2	154.10
3/4		3/4	3,175.00	3/4	2,873.91	3/4	2,570.01	3/4	2,266.14	3/4	1,962.19	3/4	1,658.23	3/4	1,354.61	3/4	1,053.54	3/4	750.65	3/4	446.97	3/4	147.89
3		3	3,169.20	3	2,867.58	3	2,563.68	3	2,259.81	3	1,955.85	3	1,651.90	3	1,348.41	3	1,047.21	3	744.35	3	440.64	3	141.68
1/4		1/4	3,163.39	1/4	2,861.25	1/4	2,557.35	1/4	2,253.48	1/4	1,949.52	1/4	1,645.57	1/4	1,342.21	1/4	1,040.87	1/4	738.05	1/4	434.30	1/4	135.47
1/2		1/2	3,157.10	1/2	2,854.92	1/2	2,551.02	1/2	2,247.14	1/2	1,943.19	1/2	1,639.23	1/2	1,336.01	1/2	1,034.54	1/2	731.75	1/2	427.97	1/2	129.38
3/4		3/4	3,150.81	3/4	2,848.59	3/4	2,544.69	3/4	2,240.81	3/4	1,936.86	3/4	1,632.90	3/4	1,329.80	3/4	1,028.21	3/4	725.45	3/4	421.64	3/4	123.28
4		4	3,144.52	4	2,842.26	4	2,538.35	4	2,234.48	4	1,930.52	4	1,626.57	4	1,323.60	4	1,021.87	4	719.15	4	415.30	4	117.19
1/4		1/4	3,138.23	1/4	2,835.93	1/4	2,532.02	1/4	2,228.15	1/4	1,924.19	1/4	1,620.24	1/4	1,317.40	1/4	1,015.54	1/4	712.85	1/4	408.97	1/4	111.09
1/2		1/2	3,131.94	1/2	2,829.59	1/2	2,525.69	1/2	2,221.81	1/2	1,917.86	1/2	1,613.91	1/2	1,311.21	1/2	1,009.21	1/2	706.55	1/2	402.64	1/2	105.01
3/4		3/4	3,125.65	3/4	2,823.26	3/4	2,519.36	3/4	2,215.48	3/4	1,911.53	3/4	1,607.59	3/4	1,305.01	3/4	1,002.87	3/4	700.24	3/4	396.30	3/4	98.93
5		5	3,119.35	5	2,816.93	5	2,513.03	5	2,209.15	5	1,905.19	5	1,601.27	5	1,298.81	5	996.54	5	693.94	5	389.97	5	92.85
1/4		1/4	3,113.06	1/4	2,810.60	1/4	2,506.70	1/4	2,202.82	1/4	1,898.86	1/4	1,594.94	1/4	1,292.61	1/4	990.20	1/4	687.64	1/4	383.64	1/4	86.77
1/2		1/2	3,106.77	1/2	2,804.27	1/2	2,500.37	1/2	2,196.48	1/2	1,892.53	1/2	1,588.62	1/2	1,286.42	1/2	983.89	1/2	681.31	1/2	377.52	1/2	80.70
3/4		3/4	3,100.48	3/4	2,797.94	3/4	2,494.04	3/4	2,190.15	3/4	1,886.20	3/4	1,582.30	3/4	1,280.22	3/4	977.58	3/4	674.97	3/4	371.40	3/4	74.62
6		6	3,094.19	6	2,791.61	6	2,487.70	6	2,183.82	6	1,879.86	6	1,575.98	6	1,274.02	6	971.27	6	668.64	6	365.28	6	68.55
1/4		1/4	3,087.90	1/4	2,785.28	1/4	2,481.37	1/4	2,177.49	1/4	1,873.53	1/4	1,569.65	1/4	1,267.83	1/4	964.96	1/4	662.31	1/4	359.16	1/4	62.48
1/2		1/2	3,081.61	1/2	2,778.94	1/2	2,475.04	1/2	2,171.15	1/2	1,867.20	1/2	1,563.32	1/2	1,261.62	1/2	958.65	1/2	655.97	1/2	353.05	1/2	56.44
3/4		3/4	3,075.32	3/4	2,772.61	3/4	2,468.71	3/4	2,164.82	3/4	1,860.87	3/4	1,556.99	3/4	1,255.42	3/4	952.33	3/4	649.64	3/4	346.93	3/4	50.41
7		7	3,069.02	7	2,766.28	7	2,462.38	7	2,158.49	7	1,854.53	7	1,550.65	7	1,249.22	7	946.02	7	643.31	7	340.81	7	44.37
1/4		1/4	3,062.73	1/4	2,759.95	1/4	2,456.05	1/4	2,152.16	1/4	1,848.20	1/4	1,544.32	1/4	1,243.02	1/4	939.71	1/4	636.97	1/4	334.69	1/4	38.33
1/2		1/2	3,056.44	1/2	2,753.62	1/2	2,449.72	1/2	2,145.82	1/2	1,841.87	1/2	1,537.99	1/2	1,236.82	1/2	933.41	1/2	630.64	1/2	328.57	1/2	33.16
3/4		3/4	3,050.15	3/4	2,747.29	3/4	2,443.39	3/4	2,139.49	3/4	1,835.54	3/4	1,531.66	3/4	1,230.62	3/4	927.10	3/4	624.31	3/4	322.45	3/4	28.00
8		8	3,043.86	8	2,740.96	8	2,437.05	8	2,133.16	8	1,829.20	8	1,525.32	8	1,224.42	8	920.80	8	617.97	8	316.34	8	22.83
1/4		1/4	3,037.57	1/4	2,734.62	1/4	2,430.72	1/4	2,126.83	1/4	1,822.87	1/4	1,518.99	1/4	1,218.22	1/4	914.49	1/4	611.64	1/4	310.22	1/4	17.66
1/2		1/2	3,031.28	1/2	2,728.29	1/2	2,424.40	1/2	2,120.50	1/2	1,816.54	1/2	1,512.66	1/2	1,211.88	1/2	908.19	1/2	605.31	1/2	304.11	1/2	
3/4		3/4	3,024.98	3/4	2,721.96	3/4	2,418.07	3/4	2,114.16	3/4	1,810.21	3/4	1,506.33	3/4	1,205.55	3/4	901.89	3/4	598.97	3/4	298.00	3/4	
9		9	3,018.69	9	2,715.63	9	2,411.75	9	2,107.83	9	1,803.88	9	1,499.99	9	1,199.22	9	895.58	9	592.64	9	291.89	9	
1/4		1/4	3,012.40	1/4	2,709.30	1/4	2,405.42	1/4	2,101.50	1/4	1,797.54	1/4	1,493.66	1/4	1,192.88	1/4	889.28	1/4	586.31	1/4	285.79	1/4	
1/2		1/2	3,006.11	1/2	2,702.97	1/2	2,399.10	1/2	2,095.17	1/2	1,791.21	1/2	1,487.33	1/2	1,186.55	1/2	882.97	1/2	579.97	1/2	279.68	1/2	
3/4		3/4	2,999.82	3/4	2,696.64	3/4	2,392.77	3/4	2,088.83	3/4	1,784.88	3/4	1,481.00	3/4	1,180.22	3/4	876.67	3/4	573.64	3/4	273.57	3/4	
10		10	2,993.53	10	2,690.31	10	2,386.45	10	2,082.50	10	1,778.55	10	1,474.66	10	1,173.88	10	870.36	10	567.31	10	267.46	10	
1/4		1/4	2,987.24	1/4	2,683.97	1/4	2,380.12	1/4	2,076.17	1/4	1,772.21	1/4	1,468.33	1/4	1,167.55	1/4	864.06	1/4	560.97	1/4	261.35	1/4	
1/2		1/2	2,980.95	1/2	2,677.64	1/2	2,373.79	1/2	2,069.84	1/2	1,765.88	1/2	1,462.00	1/2	1,161.21	1/2	857.76	1/2	554.64	1/2	255.03	1/2	
3/4		3/4	2,974.65	3/4	2,671.31	3/4	2,367.46	3/4	2,063.50	3/4	1,759.55	3/4	1,455.67	3/4	1,154.88	3/4	851.46	3/4	548.31	3/4	248.71	3/4	
11		11	2,968.36	11	2,664.98	11	2,361.13	11	2,057.17	11	1,753.22	11	1,449.33	11	1,148.55	11	845.15	11	541.97	11	242.39	11	
1/4		1/4	2,962.07	1/4	2,658.65	1/4	2,354.79	1/4	2,050.84	1/4	1,746.88	1/4	1,443.00	1/4	1,142.21	1/4	838.85	1/4	535.64	1/4	236.06	1/4	
1/2		1/2	2,955.78	1/2	2,652.32	1/2	2,348.46	1/2	2,044.51	1/2	1,740.55	1/2	1,436.67	1/2	1,135.88	1/2	832.55	1/2	529.31	1/2	229.75	1/2	
3/4		3/4	2,949.49	3/4	2,645.99	3/4	2,342.13	3/4	2,038.17	3/4	1,734.22	3/4	1,430.34	3/4	1,129.55	3/4	826.25	3/4	522.97	3/4	223.44	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 ULLAGE 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.

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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 ULLAGE 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	0	0	0	0	2,900.90	0	2,600.11	0	2,299.07	0	1,998.16	0	1,698.54	0	1,399.77	0	1,101.47	0	808.49	0	511.53	0	208.80
1/4	1/4	1/4	1/4	1/4	2,894.66	1/4	2,593.83	1/4	2,292.80	1/4	1,991.89	1/4	1,692.34	1/4	1,393.50	1/4	1,095.20	1/4	802.45	1/4	505.25	1/4	202.53
1/2	1/2	1/2	1/2	1/2	3,177.10	1/2	2,888.43	1/2	2,587.56	1/2	2,286.52	1/2	1,985.61	1/2	1,686.14	1/2	1,387.22	1/2	1,088.92	1/2	796.41	1/2	498.97
3/4	3/4	3/4	3/4	3/4	3,173.43	3/4	2,882.20	3/4	2,581.29	3/4	2,280.25	3/4	1,979.34	3/4	1,679.95	3/4	1,380.95	3/4	1,082.64	3/4	790.37	3/4	492.69
1	1	1	1	1	3,168.71	1	2,875.97	1	2,575.02	1	2,273.98	1	1,973.06	1	1,673.75	1	1,374.67	1	1,076.36	1	784.32	1	486.41
1/4	1/4	1/4	1/4	1/4	3,164.00	1/4	2,869.73	1/4	2,568.74	1/4	2,267.70	1/4	1,966.79	1/4	1,667.55	1/4	1,368.40	1/4	1,070.08	1/4	778.28	1/4	480.13
1/2	1/2	1/2	1/2	1/2	3,159.28	1/2	2,863.50	1/2	2,562.47	1/2	2,261.43	1/2	1,960.51	1/2	1,661.35	1/2	1,362.12	1/2	1,063.81	1/2	772.24	1/2	473.84
3/4	3/4	3/4	3/4	3/4	3,154.56	3/4	2,857.27	3/4	2,556.20	3/4	2,255.16	3/4	1,954.24	3/4	1,655.15	3/4	1,355.85	3/4	1,057.53	3/4	766.20	3/4	467.56
2	2	2	2	2	3,148.79	2	2,851.00	2	2,549.93	2	2,248.88	2	1,947.96	2	1,648.95	2	1,349.69	2	1,051.25	2	760.16	2	461.28
1/4	1/4	1/4	1/4	1/4	3,143.03	1/4	2,844.73	1/4	2,543.65	1/4	2,242.61	1/4	1,941.69	1/4	1,642.75	1/4	1,343.54	1/4	1,044.97	1/4	754.12	1/4	455.00
1/2	1/2	1/2	1/2	1/2	3,137.26	1/2	2,838.45	1/2	2,537.38	1/2	2,236.34	1/2	1,935.41	1/2	1,636.56	1/2	1,337.38	1/2	1,038.69	1/2	748.08	1/2	448.72
3/4	3/4	3/4	3/4	3/4	3,131.49	3/4	2,832.18	3/4	2,531.11	3/4	2,230.06	3/4	1,929.14	3/4	1,630.36	3/4	1,331.22	3/4	1,032.42	3/4	742.04	3/4	442.44
3	3	3	3	3	3,125.26	3	2,825.91	3	2,524.84	3	2,223.80	3	1,922.87	3	1,624.16	3	1,325.07	3	1,026.34	3	736.00	3	436.16
1/4	1/4	1/4	1/4	1/4	3,119.03	1/4	2,819.64	1/4	2,518.57	1/4	2,217.53	1/4	1,916.59	1/4	1,617.96	1/4	1,318.91	1/4	1,020.27	1/4	729.96	1/4	429.88
1/2	1/2	1/2	1/2	1/2	3,112.79	1/2	2,813.36	1/2	2,512.29	1/2	2,211.27	1/2	1,910.32	1/2	1,611.76	1/2	1,312.76	1/2	1,014.19	1/2	723.92	1/2	423.60
3/4	3/4	3/4	3/4	3/4	3,106.56	3/4	2,807.09	3/4	2,506.02	3/4	2,205.00	3/4	1,904.04	3/4	1,605.56	3/4	1,306.60	3/4	1,008.12	3/4	717.87	3/4	417.32
4	4	4	4	4	3,100.33	4	2,800.82	4	2,499.75	4	2,198.73	4	1,897.77	4	1,599.37	4	1,300.46	4	1,002.04	4	711.83	4	411.04
1/4	1/4	1/4	1/4	1/4	3,094.10	1/4	2,794.55	1/4	2,493.48	1/4	2,192.47	1/4	1,891.49	1/4	1,593.18	1/4	1,294.31	1/4	995.97	1/4	705.79	1/4	404.76
1/2	1/2	1/2	1/2	1/2	3,087.86	1/2	2,788.27	1/2	2,487.20	1/2	2,186.20	1/2	1,885.22	1/2	1,587.00	1/2	1,288.17	1/2	989.90	1/2	699.74	1/2	398.48
3/4	3/4	3/4	3/4	3/4	3,081.63	3/4	2,782.00	3/4	2,480.93	3/4	2,179.93	3/4	1,878.94	3/4	1,580.81	3/4	1,282.02	3/4	983.82	3/4	693.70	3/4	392.20
5	5	5	5	5	3,075.40	5	2,775.73	5	2,474.66	5	2,173.67	5	1,872.67	5	1,574.63	5	1,275.88	5	977.77	5	687.42	5	385.85
1/4	1/4	1/4	1/4	1/4	3,069.17	1/4	2,769.46	1/4	2,468.39	1/4	2,167.40	1/4	1,866.39	1/4	1,568.45	1/4	1,269.74	1/4	971.72	1/4	681.14	1/4	379.51
1/2	1/2	1/2	1/2	1/2	3,062.94	1/2	2,763.19	1/2	2,462.11	1/2	2,161.13	1/2	1,860.12	1/2	1,562.27	1/2	1,263.59	1/2	965.66	1/2	674.85	1/2	373.16
3/4	3/4	3/4	3/4	3/4	3,056.70	3/4	2,756.91	3/4	2,455.84	3/4	2,154.87	3/4	1,853.84	3/4	1,556.09	3/4	1,257.45	3/4	959.61	3/4	668.57	3/4	366.81
6	6	6	6	6	3,050.47	6	2,750.64	6	2,449.57	6	2,148.60	6	1,847.62	6	1,549.89	6	1,251.29	6	953.56	6	662.29	6	360.47
1/4	1/4	1/4	1/4	1/4	3,044.24	1/4	2,744.37	1/4	2,443.30	1/4	2,142.33	1/4	1,841.40	1/4	1,543.69	1/4	1,245.14	1/4	947.51	1/4	656.01	1/4	354.12
1/2	1/2	1/2	1/2	1/2	3,038.01	1/2	2,738.10	1/2	2,437.03	1/2	2,136.07	1/2	1,835.18	1/2	1,537.49	1/2	1,238.98	1/2	941.45	1/2	649.73	1/2	347.77
3/4	3/4	3/4	3/4	3/4	3,031.77	3/4	2,731.82	3/4	2,430.75	3/4	2,129.80	3/4	1,828.96	3/4	1,531.29	3/4	1,232.82	3/4	935.40	3/4	643.45	3/4	341.43
7	7	7	7	7	3,025.54	7	2,725.55	7	2,424.48	7	2,123.53	7	1,822.74	7	1,525.08	7	1,226.67	7	929.36	7	637.17	7	335.08
1/4	1/4	1/4	1/4	1/4	3,019.31	1/4	2,719.28	1/4	2,418.21	1/4	2,117.27	1/4	1,816.52	1/4	1,518.86	1/4	1,220.51	1/4	923.31	1/4	630.88	1/4	328.73
1/2	1/2	1/2	1/2	1/2	3,013.08	1/2	2,713.01	1/2	2,411.94	1/2	2,111.00	1/2	1,810.30	1/2	1,512.65	1/2	1,214.36	1/2	917.27	1/2	624.60	1/2	322.38
3/4	3/4	3/4	3/4	3/4	3,006.85	3/4	2,706.73	3/4	2,405.66	3/4	2,104.73	3/4	1,804.08	3/4	1,506.44	3/4	1,208.20	3/4	911.22	3/4	618.32	3/4	316.04
8	8	8	8	8	3,000.61	8	2,700.46	8	2,399.40	8	2,098.47	8	1,797.87	8	1,500.17	8	1,201.92	8	905.18	8	612.04	8	309.70
1/4	1/4	1/4	1/4	1/4	2,994.38	1/4	2,694.19	1/4	2,393.13	1/4	2,092.20	1/4	1,791.65	1/4	1,493.89	1/4	1,195.64	1/4	899.13	1/4	605.76	1/4	303.36
1/2	1/2	1/2	1/2	1/2	2,988.15	1/2	2,687.92	1/2	2,386.86	1/2	2,085.94	1/2	1,785.43	1/2	1,487.62	1/2	1,189.37	1/2	893.09	1/2	599.48	1/2	297.03
3/4	3/4	3/4	3/4	3/4	2,981.92	3/4	2,681.65	3/4	2,380.60	3/4	2,079.67	3/4	1,779.21	3/4	1,481.34	3/4	1,183.09	3/4	887.04	3/4	593.19	3/4	290.69
9	9	9	9	9	2,975.68	9	2,675.37	9	2,374.33	9	2,073.40	9	1,772.99	9	1,475.07	9	1,176.81	9	881.00	9	586.91	9	284.34
1/4	1/4	1/4	1/4	1/4	2,969.45	1/4	2,669.10	1/4	2,368.06	1/4	2,067.14	1/4	1,766.77	1/4	1,468.79	1/4	1,170.53	1/4	874.95	1/4	580.63	1/4	277.99
1/2	1/2	1/2	1/2	1/2	2,963.22	1/2	2,662.83	1/2	2,361.80	1/2	2,060.87	1/2	1,760.55	1/2	1,462.52	1/2	1,164.25	1/2	868.91	1/2	574.35	1/2	271.64
3/4	3/4	3/4	3/4	3/4	2,956.99	3/4	2,656.56	3/4	2,355.53	3/4	2,054.60	3/4	1,754.33	3/4	1,456.24	3/4	1,157.98	3/4	862.86	3/4	568.07	3/4	265.29
10	10	10	10	10	2,950.75	10	2,650.28	10	2,349.26	10	2,048.34	10	1,748.13	10	1,449.97	10	1,151.70	10	856.82	10	561.79	10	259.01
1/4	1/4	1/4	1/4	1/4	2,944.52	1/4	2,644.01	1/4	2,342.98	1/4	2,042.07	1/4	1,741.93	1/4	1,443.69	1/4	1,145.42	1/4	850.78	1/4	555.50	1/4	252.73
1/2	1/2	1/2	1/2	1/2	2,938.29	1/2	2,637.74	1/2	2,336.71	1/2	2,035.80	1/2	1,735.73	1/2	1,437.42	1/2	1,139.14	1/2	844.74	1/2	549.22	1/2	246.44
3/4	3/4	3/4	3/4	3/4	2,932.06	3/4	2,631.47	3/4	2,330.44	3/4	2,029.54	3/4	1,729.53	3/4	1,431.14	3/4	1,132.86	3/4	838.69	3/4	542.94	3/4	240.16
11	11	11	11	11	2,925.83	11	2,625.19	11	2,324.16	11	2,023.26	11	1,723.33	11	1,424.87	11	1,126.59	11	832.65	11	536.66	11	233.89
1/4	1/4	1/4	1/4	1/4	2,919.59	1/4	2,618.92	1/4	2,317.89	1/4	2,016.99	1/4	1,717.14	1/4	1,418.60	1/4	1,120.31	1/4	826.61	1/4	530.38	1/4	227.62
1/2	1/2	1/2	1/2	1/2	2,913.36	1/2	2,612.65	1/2	2,311.62	1/2	2,010.71	1/2	1,710.94	1/2	1,412.32	1/2	1,114.03	1/2	820.57	1/2	524.10	1/2	221.34
3/4	3/4	3/4	3/4	3/4	2,907.13	3/4	2,606.38	3/4	2,305.34	3/4	2,004.44	3/4	1,704.74	3/4	1,406.05	3/4	1,107.75	3/4	814.53	3/4	517.81	3/4	215.07

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 ULLAGE GAUGES.

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P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "MM 17B"

## 4 STBD ULLAGE 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		0		0	2,901.42	0	2,602.91	0	2,304.11	0	2,005.43	0	1,707.87	0	1,411.22	0	1,114.97	0	816.45	0	517.82	0	215.08
1/4		1/4		1/4	2,895.23	1/4	2,596.68	1/4	2,297.88	1/4	1,999.21	1/4	1,701.72	1/4	1,404.99	1/4	1,108.73	1/4	810.25	1/4	511.54	1/4	208.80
1/2		1/2		1/2	2,889.05	1/2	2,590.45	1/2	2,291.65	1/2	1,992.98	1/2	1,695.56	1/2	1,398.76	1/2	1,102.49	1/2	804.05	1/2	505.26	1/2	202.53
3/4		3/4		3/4	3,169.72	3/4	2,882.86	3/4	2,584.23	3/4	2,285.43	3/4	1,986.75	3/4	1,689.41	3/4	1,392.52	3/4	1,096.26	3/4	797.85	3/4	498.97
1		1		1	3,166.05	1	2,876.68	1	2,578.00	1	2,279.20	1	1,980.52	1	1,683.25	1	1,386.29	1	1,090.02	1	791.65	1	492.69
1/4		1/4		1/4	3,161.33	1/4	2,870.49	1/4	2,571.78	1/4	2,272.97	1/4	1,974.29	1/4	1,677.09	1/4	1,380.06	1/4	1,083.79	1/4	785.44	1/4	486.41
1/2		1/2		1/2	3,156.62	1/2	2,864.30	1/2	2,565.55	1/2	2,266.75	1/2	1,968.07	1/2	1,670.94	1/2	1,373.83	1/2	1,077.55	1/2	779.24	1/2	480.13
3/4		3/4		3/4	3,151.90	3/4	2,858.12	3/4	2,559.33	3/4	2,260.52	3/4	1,961.84	3/4	1,664.78	3/4	1,367.59	3/4	1,071.32	3/4	773.04	3/4	473.85
2		2		2	3,147.18	2	2,851.93	2	2,553.10	2	2,254.29	2	1,955.61	2	1,658.63	2	1,361.36	2	1,065.08	2	766.84	2	467.57
1/4		1/4		1/4	3,141.41	1/4	2,845.71	1/4	2,546.87	1/4	2,248.07	1/4	1,949.38	1/4	1,652.47	1/4	1,355.25	1/4	1,058.85	1/4	760.64	1/4	461.29
1/2		1/2		1/2	3,135.64	1/2	2,839.48	1/2	2,540.65	1/2	2,241.84	1/2	1,943.15	1/2	1,646.31	1/2	1,349.14	1/2	1,052.61	1/2	754.43	1/2	455.00
3/4		3/4		3/4	3,129.88	3/4	2,833.26	3/4	2,534.42	3/4	2,235.61	3/4	1,936.92	3/4	1,640.16	3/4	1,343.02	3/4	1,046.38	3/4	748.23	3/4	448.72
3		3		3	3,124.11	3	2,827.03	3	2,528.20	3	2,229.39	3	1,930.70	3	1,634.00	3	1,336.91	3	1,040.14	3	742.03	3	442.44
1/4		1/4		1/4	3,117.92	1/4	2,820.80	1/4	2,521.97	1/4	2,223.17	1/4	1,924.47	1/4	1,627.85	1/4	1,330.79	1/4	1,033.91	1/4	735.83	1/4	436.16
1/2		1/2		1/2	3,111.74	1/2	2,814.58	1/2	2,515.75	1/2	2,216.95	1/2	1,918.24	1/2	1,621.69	1/2	1,324.68	1/2	1,027.67	1/2	729.62	1/2	429.88
3/4		3/4		3/4	3,105.55	3/4	2,808.35	3/4	2,509.52	3/4	2,210.73	3/4	1,912.01	3/4	1,615.53	3/4	1,318.57	3/4	1,021.43	3/4	723.42	3/4	423.60
4		4		4	3,099.37	4	2,802.13	4	2,503.29	4	2,204.51	4	1,905.78	4	1,609.38	4	1,312.45	4	1,015.20	4	717.22	4	417.32
1/4		1/4		1/4	3,093.18	1/4	2,795.90	1/4	2,497.07	1/4	2,198.29	1/4	1,900.56	1/4	1,603.23	1/4	1,306.35	1/4	1,008.96	1/4	711.02	1/4	411.04
1/2		1/2		1/2	3,086.99	1/2	2,789.68	1/2	2,490.84	1/2	2,192.07	1/2	1,893.33	1/2	1,597.08	1/2	1,300.25	1/2	1,002.73	1/2	704.81	1/2	404.76
3/4		3/4		3/4	3,080.81	3/4	2,783.45	3/4	2,484.62	3/4	2,185.85	3/4	1,887.10	3/4	1,590.94	3/4	1,294.15	3/4	996.49	3/4	698.61	3/4	398.48
5		5		5	3,074.62	5	2,777.22	5	2,478.39	5	2,179.63	5	1,880.87	5	1,584.79	5	1,288.05	5	990.26	5	692.40	5	392.20
1/4		1/4		1/4	3,068.44	1/4	2,771.00	1/4	2,472.17	1/4	2,173.41	1/4	1,874.64	1/4	1,578.65	1/4	1,281.95	1/4	984.04	1/4	686.17	1/4	385.86
1/2		1/2		1/2	3,062.25	1/2	2,764.77	1/2	2,465.94	1/2	2,167.19	1/2	1,868.41	1/2	1,572.52	1/2	1,275.85	1/2	977.83	1/2	679.93	1/2	379.51
3/4		3/4		3/4	3,056.06	3/4	2,758.55	3/4	2,459.71	3/4	2,160.97	3/4	1,862.19	3/4	1,566.38	3/4	1,269.75	3/4	971.62	3/4	673.70	3/4	373.16
6		6		6	3,049.88	6	2,752.32	6	2,453.49	6	2,154.75	6	1,855.96	6	1,560.24	6	1,263.64	6	965.40	6	667.46	6	366.82
1/4		1/4		1/4	3,043.69	1/4	2,746.10	1/4	2,447.26	1/4	2,148.53	1/4	1,849.78	1/4	1,554.09	1/4	1,257.53	1/4	959.19	1/4	661.23	1/4	360.47
1/2		1/2		1/2	3,037.51	1/2	2,739.87	1/2	2,441.04	1/2	2,142.31	1/2	1,843.60	1/2	1,547.93	1/2	1,251.42	1/2	952.98	1/2	654.99	1/2	354.13
3/4		3/4		3/4	3,031.32	3/4	2,733.64	3/4	2,434.81	3/4	2,136.09	3/4	1,837.43	3/4	1,541.77	3/4	1,245.30	3/4	946.76	3/4	648.76	3/4	347.78
7		7		7	3,025.14	7	2,727.42	7	2,428.59	7	2,129.87	7	1,831.25	7	1,535.61	7	1,239.19	7	940.55	7	642.52	7	341.43
1/4		1/4		1/4	3,018.95	1/4	2,721.19	1/4	2,422.36	1/4	2,123.65	1/4	1,825.07	1/4	1,529.44	1/4	1,233.07	1/4	934.34	1/4	636.29	1/4	335.08
1/2		1/2		1/2	3,012.76	1/2	2,714.97	1/2	2,416.13	1/2	2,117.43	1/2	1,818.89	1/2	1,523.28	1/2	1,226.96	1/2	928.14	1/2	630.05	1/2	328.74
3/4		3/4		3/4	3,006.58	3/4	2,708.74	3/4	2,409.91	3/4	2,111.21	3/4	1,812.72	3/4	1,517.11	3/4	1,220.85	3/4	921.93	3/4	623.82	3/4	322.39
8		8		8	3,000.39	8	2,702.52	8	2,403.68	8	2,104.99	8	1,806.54	8	1,510.94	8	1,214.73	8	915.73	8	617.58	8	316.04
1/4		1/4		1/4	2,994.21	1/4	2,696.29	1/4	2,397.46	1/4	2,098.77	1/4	1,800.36	1/4	1,504.71	1/4	1,208.50	1/4	909.52	1/4	611.35	1/4	309.70
1/2		1/2		1/2	2,988.02	1/2	2,690.07	1/2	2,391.24	1/2	2,092.55	1/2	1,794.19	1/2	1,498.48	1/2	1,202.26	1/2	903.31	1/2	605.11	1/2	303.37
3/4		3/4		3/4	2,981.84	3/4	2,683.84	3/4	2,385.02	3/4	2,086.33	3/4	1,788.01	3/4	1,492.24	3/4	1,196.03	3/4	897.11	3/4	598.88	3/4	297.03
9		9		9	2,975.65	9	2,677.61	9	2,378.80	9	2,080.11	9	1,781.83	9	1,486.01	9	1,189.79	9	890.90	9	592.64	9	290.69
1/4		1/4		1/4	2,969.46	1/4	2,671.39	1/4	2,372.58	1/4	2,073.89	1/4	1,775.65	1/4	1,479.78	1/4	1,183.56	1/4	884.70	1/4	586.41	1/4	284.34
1/2		1/2		1/2	2,963.28	1/2	2,665.16	1/2	2,366.36	1/2	2,067.67	1/2	1,769.48	1/2	1,473.55	1/2	1,177.32	1/2	878.49	1/2	580.17	1/2	278.00
3/4		3/4		3/4	2,957.09	3/4	2,658.94	3/4	2,360.14	3/4	2,061.45	3/4	1,763.30	3/4	1,467.31	3/4	1,171.08	3/4	872.28	3/4	573.94	3/4	271.65
10		10		10	2,950.91	10	2,652.71	10	2,353.92	10	2,055.23	10	1,757.12	10	1,461.08	10	1,164.85	10	866.08	10	567.70	10	265.30
1/4		1/4		1/4	2,944.72	1/4	2,646.49	1/4	2,347.69	1/4	2,049.01	1/4	1,750.97	1/4	1,454.85	1/4	1,158.61	1/4	859.87	1/4	561.47	1/4	259.01
1/2		1/2		1/2	2,938.53	1/2	2,640.26	1/2	2,341.47	1/2	2,042.79	1/2	1,744.81	1/2	1,448.62	1/2	1,152.38	1/2	853.67	1/2	555.23	1/2	252.73
3/4		3/4		3/4	2,932.35	3/4	2,634.03	3/4	2,335.24	3/4	2,036.57	3/4	1,738.65	3/4	1,442.38	3/4	1,146.14	3/4	847.47	3/4	549.00	3/4	246.45
11		11		11	2,926.16	11	2,627.81	11	2,329.01	11	2,030.35	11	1,732.50	11	1,436.15	11	1,139.91	11	841.26	11	542.76	11	240.17
1/4		1/4		1/4	2,919.98	1/4	2,621.58	1/4	2,322.79	1/4	2,024.12	1/4	1,726.34	1/4	1,429.92	1/4	1,133.67	1/4	835.06	1/4	536.53	1/4	233.89
1/2		1/2		1/2	2,913.79	1/2	2,615.36	1/2	2,316.56	1/2	2,017.89	1/2	1,720.19	1/2	1,423.69	1/2	1,127.44	1/2	828.86	1/2	530.29	1/2	227.62
3/4		3/4		3/4	2,907.61	3/4	2,609.13	3/4	2,310.33	3/4	2,011.66	3/4	1,714.03	3/4	1,417.45	3/4	1,121.20	3/4	822.66	3/4	524.06	3/4	221.35

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 ULLAGE 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"

## ULLAGE 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 ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 283'-03"

January 7, 2016

PRECISION MEASUREMENT  
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 Pearland, Texas 77588

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