



BARGE "MM 97B"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2
1 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2
2 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/8	00-3/8	- 00-1/2	00-1/2
2 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/8	00-3/8	- 00-1/2	00-1/2
3 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
3 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
4 PORT	- 00-5/8	00-5/8	- 01-1/8	01-1/8	- 01-3/4	01-3/4	- 02-1/4	02-1/4	- 02-7/8	02-7/8	- 03-3/8	03-3/8
4 STBD	- 00-5/8	00-5/8	- 01-1/8	01-1/8	- 01-3/4	01-3/4	- 02-1/4	02-1/4	- 02-7/8	02-7/8	- 03-3/8	03-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

July 3, 2013

PRECISION MEASUREMENT
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 P.O. Box 2092
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BARGE "MM 97B" MAGNOLIA BARGE

1 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	16.34	0	285.87	0	563.64	0	841.44	0	1,120.64	0	1,399.93	0	1,679.97	0	1,960.09	0	2,240.15	0	2,520.22	0	2,799.32	0	
1/4	21.10	1/4	291.51	1/4	569.47	1/4	847.21	1/4	1,126.45	1/4	1,405.77	1/4	1,685.81	1/4	1,965.92	1/4	2,245.99	1/4	2,526.05	1/4	2,805.12	1/4	
1/2	25.86	1/2	297.14	1/2	575.31	1/2	852.98	1/2	1,132.25	1/2	1,411.60	1/2	1,691.65	1/2	1,971.76	1/2	2,251.82	1/2	2,531.89	1/2	2,810.91	1/2	
3/4	30.62	3/4	302.78	3/4	581.15	3/4	858.76	3/4	1,138.05	3/4	1,417.44	3/4	1,697.48	3/4	1,977.60	3/4	2,257.66	3/4	2,537.72	3/4	2,816.71	3/4	
1	35.38	1	308.42	1	586.98	1	864.53	1	1,143.85	1	1,423.28	1	1,703.32	1	1,983.43	1	2,263.49	1	2,543.56	1	2,822.50	1	
1/4	40.94	1/4	314.06	1/4	592.82	1/4	870.31	1/4	1,149.66	1/4	1,429.11	1/4	1,709.15	1/4	1,989.27	1/4	2,269.32	1/4	2,549.39	1/4	2,828.30	1/4	
1/2	46.51	1/2	319.69	1/2	598.66	1/2	876.09	1/2	1,155.46	1/2	1,434.95	1/2	1,714.99	1/2	1,995.10	1/2	2,275.16	1/2	2,555.22	1/2	2,834.09	1/2	
3/4	52.07	3/4	325.33	3/4	604.49	3/4	881.88	3/4	1,161.26	3/4	1,440.78	3/4	1,720.82	3/4	2,000.94	3/4	2,280.99	3/4	2,561.06	3/4	2,839.89	3/4	
2	57.63	2	330.97	2	610.33	2	887.66	2	1,167.06	2	1,446.62	2	1,726.66	2	2,006.77	2	2,286.83	2	2,566.89	2	2,845.68	2	
1/4	63.22	1/4	336.60	1/4	616.17	1/4	893.44	1/4	1,172.86	1/4	1,452.45	1/4	1,732.50	1/4	2,012.61	1/4	2,292.66	1/4	2,572.73	1/4	2,851.48	1/4	
1/2	68.82	1/2	342.24	1/2	622.00	1/2	899.22	1/2	1,178.66	1/2	1,458.27	1/2	1,738.33	1/2	2,018.45	1/2	2,298.50	1/2	2,578.56	1/2	2,857.27	1/2	
3/4	74.41	3/4	347.88	3/4	627.84	3/4	905.00	3/4	1,184.46	3/4	1,464.10	3/4	1,744.17	3/4	2,024.28	3/4	2,304.33	3/4	2,584.40	3/4	2,863.07	3/4	
3	80.01	3	353.51	3	633.68	3	910.78	3	1,190.26	3	1,469.93	3	1,750.00	3	2,030.12	3	2,310.17	3	2,590.23	3	2,868.86	3	
1/4	85.61	1/4	359.35	1/4	639.45	1/4	916.58	1/4	1,196.06	1/4	1,475.75	1/4	1,755.84	1/4	2,035.95	1/4	2,316.00	1/4	2,596.07	1/4	2,874.66	1/4	
1/2	91.21	1/2	365.19	1/2	645.22	1/2	922.39	1/2	1,201.85	1/2	1,481.58	1/2	1,761.67	1/2	2,041.79	1/2	2,321.84	1/2	2,601.90	1/2	2,880.45	1/2	
3/4	96.81	3/4	371.02	3/4	650.99	3/4	928.19	3/4	1,207.65	3/4	1,487.41	3/4	1,767.51	3/4	2,047.62	3/4	2,327.67	3/4	2,607.74	3/4	2,886.25	3/4	
4	102.42	4	376.86	4	656.77	4	933.99	4	1,213.45	4	1,493.23	4	1,773.35	4	2,053.46	4	2,333.51	4	2,613.57	4	2,892.04	4	
1/4	108.03	1/4	382.70	1/4	662.54	1/4	939.80	1/4	1,219.25	1/4	1,499.07	1/4	1,779.18	1/4	2,059.30	1/4	2,339.34	1/4	2,619.41	1/4	2,897.84	1/4	
1/2	113.64	1/2	388.53	1/2	668.31	1/2	945.60	1/2	1,225.06	1/2	1,504.90	1/2	1,785.02	1/2	2,065.13	1/2	2,345.18	1/2	2,625.24	1/2	2,903.63	1/2	
3/4	119.26	3/4	394.37	3/4	674.08	3/4	951.40	3/4	1,230.86	3/4	1,510.74	3/4	1,790.85	3/4	2,070.97	3/4	2,351.01	3/4	2,631.08	3/4	2,909.43	3/4	
5	124.87	5	400.21	5	679.85	5	957.21	5	1,236.66	5	1,516.58	5	1,796.69	5	2,076.80	5	2,356.85	5	2,636.91	5	2,915.22	5	
1/4	130.59	1/4	406.05	1/4	685.61	1/4	963.04	1/4	1,242.46	1/4	1,522.41	1/4	1,802.52	1/4	2,082.64	1/4	2,362.68	1/4	2,642.75	1/4	2,920.57	1/4	
1/2	136.32	1/2	411.88	1/2	691.38	1/2	968.88	1/2	1,248.27	1/2	1,528.25	1/2	1,808.36	1/2	2,088.47	1/2	2,368.51	1/2	2,648.58	1/2	2,925.92	1/2	
3/4	142.04	3/4	417.72	3/4	697.15	3/4	974.72	3/4	1,254.07	3/4	1,534.08	3/4	1,814.20	3/4	2,094.31	3/4	2,374.35	3/4	2,654.41	3/4	2,931.27	3/4	
6	147.76	6	423.56	6	702.92	6	980.55	6	1,259.87	6	1,539.92	6	1,820.03	6	2,100.15	6	2,380.18	6	2,660.25	6	2,936.62	6	
1/4	153.58	1/4	429.39	1/4	708.69	1/4	986.39	1/4	1,265.71	1/4	1,545.75	1/4	1,825.87	1/4	2,105.98	1/4	2,386.02	1/4	2,666.04	1/4	2,941.00	1/4	
1/2	159.39	1/2	435.23	1/2	714.46	1/2	992.23	1/2	1,271.54	1/2	1,551.59	1/2	1,831.70	1/2	2,111.82	1/2	2,391.85	1/2	2,671.84	1/2	2,945.37	1/2	
3/4	165.21	3/4	441.07	3/4	720.23	3/4	998.07	3/4	1,277.38	3/4	1,557.43	3/4	1,837.54	3/4	2,117.65	3/4	2,397.69	3/4	2,677.63	3/4	2,949.75	3/4	
7	171.02	7	446.90	7	726.00	7	1,003.90	7	1,283.21	7	1,563.26	7	1,843.37	7	2,123.49	7	2,403.52	7	2,683.43	7	2,954.13	7	
1/4	176.84	1/4	452.74	1/4	731.77	1/4	1,009.74	1/4	1,289.05	1/4	1,569.10	1/4	1,849.21	1/4	2,129.32	1/4	2,409.36	1/4	2,689.22	1/4	2,957.53	1/4	
1/2	182.66	1/2	458.58	1/2	737.54	1/2	1,015.58	1/2	1,294.89	1/2	1,574.93	1/2	1,855.05	1/2	2,135.16	1/2	2,415.19	1/2	2,695.02	1/2		1/2	
3/4	188.47	3/4	464.41	3/4	743.31	3/4	1,021.41	3/4	1,300.72	3/4	1,580.77	3/4	1,860.88	3/4	2,141.00	3/4	2,421.03	3/4	2,700.81	3/4		3/4	
8	194.29	8	470.25	8	749.08	8	1,027.25	8	1,306.56	8	1,586.60	8	1,866.72	8	2,146.83	8	2,426.86	8	2,706.61	8	2,706.61	8	
1/4	200.10	1/4	476.09	1/4	754.85	1/4	1,033.09	1/4	1,312.39	1/4	1,592.44	1/4	1,872.55	1/4	2,152.67	1/4	2,432.70	1/4	2,712.40	1/4		1/4	
1/2	205.92	1/2	481.92	1/2	760.62	1/2	1,038.92	1/2	1,318.23	1/2	1,598.27	1/2	1,878.39	1/2	2,158.50	1/2	2,438.53	1/2	2,718.20	1/2		1/2	
3/4	211.74	3/4	487.76	3/4	766.39	3/4	1,044.76	3/4	1,324.06	3/4	1,604.11	3/4	1,884.22	3/4	2,164.34	3/4	2,444.37	3/4	2,723.99	3/4		3/4	
9	217.55	9	493.60	9	772.16	9	1,050.60	9	1,329.90	9	1,609.95	9	1,890.06	9	2,170.17	9	2,450.20	9	2,729.79	9	2,729.79	9	
1/4	223.38	1/4	499.43	1/4	777.93	1/4	1,056.44	1/4	1,335.74	1/4	1,615.78	1/4	1,895.90	1/4	2,176.01	1/4	2,456.04	1/4	2,735.58	1/4		1/4	
1/2	229.20	1/2	505.27	1/2	783.70	1/2	1,062.27	1/2	1,341.57	1/2	1,621.62	1/2	1,901.73	1/2	2,181.84	1/2	2,461.87	1/2	2,741.38	1/2		1/2	
3/4	235.03	3/4	511.11	3/4	789.48	3/4	1,068.11	3/4	1,347.41	3/4	1,627.45	3/4	1,907.57	3/4	2,187.68	3/4	2,467.70	3/4	2,747.17	3/4		3/4	
10	240.86	10	516.94	10	795.25	10	1,073.95	10	1,353.24	10	1,633.29	10	1,913.40	10	2,193.52	10	2,473.54	10	2,752.97	10	2,752.97	10	
1/4	246.48	1/4	522.78	1/4	801.02	1/4	1,079.78	1/4	1,359.08	1/4	1,639.12	1/4	1,919.24	1/4	2,199.35	1/4	2,479.37	1/4	2,758.76	1/4		1/4	
1/2	252.11	1/2	528.62	1/2	806.79	1/2	1,085.62	1/2	1,364.92	1/2	1,644.96	1/2	1,925.07	1/2	2,205.18	1/2	2,485.21	1/2	2,764.56	1/2		1/2	
3/4	257.74	3/4	534.45	3/4	812.57	3/4	1,091.46	3/4	1,370.75	3/4	1,650.80	3/4	1,930.91	3/4	2,211.01	3/4	2,491.04	3/4	2,770.35	3/4		3/4	
11	263.36	11	540.29	11	818.34	11	1,097.29	11	1,376.59	11	1,656.63	11	1,936.75	11	2,216.84	11	2,496.88	11	2,776.15	11	2,776.15	11	
1/4	268.99	1/4	546.13	1/4	824.12	1/4	1,103.13	1/4	1,382.42	1/4	1,662.47	1/4	1,942.58	1/4	2,222.66	1/4	2,502.71	1/4	2,781.94	1/4		1/4	
1/2	274.62	1/2	551.96	1/2	829.89	1/2	1,108.97	1/2	1,388.26	1/2	1,668.30	1/2	1,948.42	1/2	2,228.49	1/2	2,508.55	1/2	2,787.74	1/2		1/2	
3/4	280.24	3/4	557.80	3/4	835.66	3/4	1,114.81	3/4	1,394.10	3/4	1,674.14	3/4	1,954.25	3/4	2,234.32	3/4	2,514.38	3/4	2,793.53	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) LOCATED 12'-09" OFF CENTERLINE AND 33'-06" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 35'-06" FORWARD OF AFT BULKHEAD.

STRAPPED: 07/03/2013 CL - SW
CALCULATED: 07/04/2013 CL
PRINTED: 07/08/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2013

PRECISION MEASUREMENT
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BARGE "MM 97B" MAGNOLIA BARGE

1 STBD 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	16.35	0	286.14	0	564.16	0	843.45	0	1,123.59	0	1,403.14	0	1,683.45	0	1,963.82	0	2,244.14	0	2,524.47	0	2,803.84	0	
1/4	21.12	1/4	291.78	1/4	570.01	1/4	849.26	1/4	1,129.40	1/4	1,408.98	1/4	1,689.29	1/4	1,969.67	1/4	2,249.98	1/4	2,530.31	1/4	2,809.64	1/4	
1/2	25.88	1/2	297.42	1/2	575.85	1/2	855.07	1/2	1,135.21	1/2	1,414.82	1/2	1,695.13	1/2	1,975.51	1/2	2,255.82	1/2	2,536.15	1/2	2,815.44	1/2	
3/4	30.65	3/4	303.06	3/4	581.69	3/4	860.88	3/4	1,141.02	3/4	1,420.67	3/4	1,700.97	3/4	1,981.35	3/4	2,261.66	3/4	2,541.99	3/4	2,821.24	3/4	
1	35.41	1	308.71	1	587.53	1	866.70	1	1,146.82	1	1,426.51	1	1,706.81	1	1,987.19	1	2,267.51	1	2,547.83	1	2,827.04	1	
1/4	40.98	1/4	314.35	1/4	593.38	1/4	872.52	1/4	1,152.63	1/4	1,432.35	1/4	1,712.65	1/4	1,993.03	1/4	2,273.35	1/4	2,553.67	1/4	2,832.84	1/4	
1/2	46.55	1/2	319.99	1/2	599.22	1/2	878.34	1/2	1,158.44	1/2	1,438.19	1/2	1,718.49	1/2	1,998.87	1/2	2,279.19	1/2	2,559.52	1/2	2,838.64	1/2	
3/4	52.12	3/4	325.63	3/4	605.06	3/4	884.16	3/4	1,164.25	3/4	1,444.03	3/4	1,724.34	3/4	2,004.71	3/4	2,285.03	3/4	2,565.36	3/4	2,844.44	3/4	
2	57.68	2	331.28	2	610.90	2	889.98	2	1,170.05	2	1,449.87	2	1,730.18	2	2,010.55	2	2,290.87	2	2,571.20	2	2,850.24	2	
1/4	63.28	1/4	336.92	1/4	616.74	1/4	895.80	1/4	1,175.86	1/4	1,455.71	1/4	1,736.02	1/4	2,016.40	1/4	2,296.71	1/4	2,577.04	1/4	2,856.04	1/4	
1/2	68.88	1/2	342.56	1/2	622.59	1/2	901.62	1/2	1,181.66	1/2	1,461.54	1/2	1,741.86	1/2	2,022.24	1/2	2,302.55	1/2	2,582.88	1/2	2,861.84	1/2	
3/4	74.48	3/4	348.20	3/4	628.43	3/4	907.44	3/4	1,187.47	3/4	1,467.37	3/4	1,747.70	3/4	2,028.08	3/4	2,308.39	3/4	2,588.72	3/4	2,867.64	3/4	
3	80.08	3	353.85	3	634.27	3	913.26	3	1,193.27	3	1,473.20	3	1,753.54	3	2,033.92	3	2,314.23	3	2,594.56	3	2,873.44	3	
1/4	85.69	1/4	359.69	1/4	640.08	1/4	919.10	1/4	1,199.07	1/4	1,479.03	1/4	1,759.38	1/4	2,039.76	1/4	2,320.07	1/4	2,600.40	1/4	2,879.24	1/4	
1/2	91.30	1/2	365.53	1/2	645.89	1/2	924.95	1/2	1,204.88	1/2	1,484.86	1/2	1,765.22	1/2	2,045.60	1/2	2,325.91	1/2	2,606.24	1/2	2,885.04	1/2	
3/4	96.90	3/4	371.37	3/4	651.70	3/4	930.79	3/4	1,210.68	3/4	1,490.70	3/4	1,771.06	3/4	2,051.44	3/4	2,331.75	3/4	2,612.08	3/4	2,890.84	3/4	
4	102.51	4	377.21	4	657.52	4	936.63	4	1,216.49	4	1,496.53	4	1,776.91	4	2,057.28	4	2,337.59	4	2,617.92	4	2,896.64	4	
1/4	108.13	1/4	383.06	1/4	663.32	1/4	942.47	1/4	1,222.29	1/4	1,502.37	1/4	1,782.75	1/4	2,063.12	1/4	2,343.43	1/4	2,623.76	1/4	2,902.44	1/4	
1/2	113.75	1/2	388.90	1/2	669.13	1/2	948.32	1/2	1,228.10	1/2	1,508.21	1/2	1,788.59	1/2	2,068.97	1/2	2,349.27	1/2	2,629.60	1/2	2,908.24	1/2	
3/4	119.37	3/4	394.74	3/4	674.94	3/4	954.16	3/4	1,233.91	3/4	1,514.05	3/4	1,794.43	3/4	2,074.81	3/4	2,355.11	3/4	2,635.44	3/4	2,914.04	3/4	
5	124.99	5	400.58	5	680.75	5	960.00	5	1,239.72	5	1,519.89	5	1,800.27	5	2,080.65	5	2,360.95	5	2,641.28	5	2,919.84	5	
1/4	130.72	1/4	406.43	1/4	686.56	1/4	965.84	1/4	1,245.53	1/4	1,525.73	1/4	1,806.11	1/4	2,086.49	1/4	2,366.79	1/4	2,647.12	1/4	2,925.20	1/4	
1/2	136.44	1/2	412.27	1/2	692.37	1/2	971.69	1/2	1,251.33	1/2	1,531.58	1/2	1,811.95	1/2	2,092.33	1/2	2,372.63	1/2	2,652.96	1/2	2,930.55	1/2	
3/4	142.17	3/4	418.11	3/4	698.18	3/4	977.53	3/4	1,257.14	3/4	1,537.42	3/4	1,817.79	3/4	2,098.17	3/4	2,378.47	3/4	2,658.80	3/4	2,935.91	3/4	
6	147.90	6	423.95	6	703.99	6	983.37	6	1,262.95	6	1,543.26	6	1,823.64	6	2,104.01	6	2,384.31	6	2,664.64	6	2,941.26	6	
1/4	153.72	1/4	429.79	1/4	709.80	1/4	989.21	1/4	1,268.79	1/4	1,549.10	1/4	1,829.48	1/4	2,109.85	1/4	2,390.15	1/4	2,670.44	1/4	2,945.64	1/4	
1/2	159.54	1/2	435.64	1/2	715.61	1/2	995.06	1/2	1,274.63	1/2	1,554.94	1/2	1,835.32	1/2	2,115.70	1/2	2,395.99	1/2	2,676.24	1/2	2,950.02	1/2	
3/4	165.36	3/4	441.48	3/4	721.42	3/4	1,000.90	3/4	1,280.47	3/4	1,560.78	3/4	1,841.16	3/4	2,121.54	3/4	2,401.83	3/4	2,682.04	3/4	2,954.40	3/4	
7	171.18	7	447.32	7	727.22	7	1,006.74	7	1,286.31	7	1,566.62	7	1,847.00	7	2,127.38	7	2,407.67	7	2,687.84	7	2,958.79	7	
1/4	177.00	1/4	453.16	1/4	733.03	1/4	1,012.58	1/4	1,292.16	1/4	1,572.46	1/4	1,852.84	1/4	2,133.22	1/4	2,413.51	1/4	2,693.64	1/4	2,962.19	1/4	
1/2	182.83	1/2	459.01	1/2	738.84	1/2	1,018.43	1/2	1,298.00	1/2	1,578.31	1/2	1,858.68	1/2	2,139.06	1/2	2,419.35	1/2	2,699.44	1/2		1/2	
3/4	188.65	3/4	464.85	3/4	744.65	3/4	1,024.27	3/4	1,303.84	3/4	1,584.15	3/4	1,864.52	3/4	2,144.90	3/4	2,425.19	3/4	2,705.24	3/4		3/4	
8	194.47	8	470.69	8	750.46	8	1,030.11	8	1,309.68	8	1,589.99	8	1,870.37	8	2,150.74	8	2,431.03	8	2,711.04	8		8	
1/4	200.29	1/4	476.53	1/4	756.27	1/4	1,035.95	1/4	1,315.52	1/4	1,595.83	1/4	1,876.21	1/4	2,156.58	1/4	2,436.87	1/4	2,716.84	1/4		1/4	
1/2	206.11	1/2	482.37	1/2	762.08	1/2	1,041.80	1/2	1,321.36	1/2	1,601.67	1/2	1,882.05	1/2	2,162.43	1/2	2,442.71	1/2	2,722.64	1/2		1/2	
3/4	211.93	3/4	488.22	3/4	767.89	3/4	1,047.64	3/4	1,327.20	3/4	1,607.51	3/4	1,887.89	3/4	2,168.27	3/4	2,448.55	3/4	2,728.44	3/4		3/4	
9	217.75	9	494.06	9	773.70	9	1,053.48	9	1,333.05	9	1,613.35	9	1,893.73	9	2,174.11	9	2,454.39	9	2,734.24	9		9	
1/4	223.59	1/4	499.90	1/4	779.51	1/4	1,059.32	1/4	1,338.89	1/4	1,619.19	1/4	1,899.57	1/4	2,179.95	1/4	2,460.23	1/4	2,740.04	1/4		1/4	
1/2	229.42	1/2	505.74	1/2	785.32	1/2	1,065.17	1/2	1,344.73	1/2	1,625.03	1/2	1,905.41	1/2	2,185.79	1/2	2,466.07	1/2	2,745.84	1/2		1/2	
3/4	235.25	3/4	511.58	3/4	791.13	3/4	1,071.01	3/4	1,350.57	3/4	1,630.88	3/4	1,911.25	3/4	2,191.63	3/4	2,471.91	3/4	2,751.64	3/4		3/4	
10	241.08	10	517.43	10	796.94	10	1,076.85	10	1,356.41	10	1,636.72	10	1,917.09	10	2,197.47	10	2,477.75	10	2,757.44	10		10	
1/4	246.71	1/4	523.27	1/4	802.75	1/4	1,082.69	1/4	1,362.25	1/4	1,642.56	1/4	1,922.94	1/4	2,203.31	1/4	2,483.59	1/4	2,763.24	1/4		1/4	
1/2	252.35	1/2	529.11	1/2	808.57	1/2	1,088.54	1/2	1,368.09	1/2	1,648.40	1/2	1,928.78	1/2	2,209.14	1/2	2,489.43	1/2	2,769.04	1/2		1/2	
3/4	257.98	3/4	534.95	3/4	814.38	3/4	1,094.38	3/4	1,373.93	3/4	1,654.24	3/4	1,934.62	3/4	2,214.97	3/4	2,495.27	3/4	2,774.84	3/4		3/4	
11	263.61	11	540.80	11	820.19	11	1,100.22	11	1,379.78	11	1,660.08	11	1,940.46	11	2,220.81	11	2,501.11	11	2,780.64	11		11	
1/4	269.24	1/4	546.64	1/4	826.01	1/4	1,106.06	1/4	1,385.62	1/4	1,665.92	1/4	1,946.30	1/4	2,226.64	1/4	2,506.95	1/4	2,786.44	1/4		1/4	
1/2	274.87	1/2	552.48	1/2	831.82	1/2	1,111.91	1/2	1,391.46	1/2	1,671.76	1/2	1,952.14	1/2	2,232.48	1/2	2,512.79	1/2	2,792.24	1/2		1/2	
3/4	280.50	3/4	558.32	3/4	837.63	3/4	1,117.75	3/4	1,397.30	3/4	1,677.61	3/4	1,957.98	3/4	2,238.31	3/4	2,518.63	3/4	2,798.04	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) LOCATED 12'-09" OFF CENTERLINE AND 33'-06" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 35'-06" FORWARD OF AFT BULKHEAD.

STRAPPED: 07/03/2013 CL - SW
CALCULATED: 07/04/2013 CL
PRINTED: 07/08/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2013

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



BARGE "MM 97B" MAGNOLIA BARGE

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 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	17.67	0	310.31	0	611.86	0	905.19	0	1,203.69	0	1,504.63	0	1,808.68	0	2,112.79	0	2,416.86	0	2,720.93	0	3,024.04	0	
1/4	22.84	1/4	316.43	1/4	618.20	1/4	911.23	1/4	1,209.90	1/4	1,510.97	1/4	1,815.01	1/4	2,119.13	1/4	2,423.20	1/4	2,727.26	1/4	3,030.33	1/4	
1/2	28.01	1/2	322.55	1/2	624.54	1/2	917.27	1/2	1,216.10	1/2	1,517.30	1/2	1,821.35	1/2	2,125.46	1/2	2,429.53	1/2	2,733.60	1/2	3,036.63	1/2	
3/4	33.18	3/4	328.67	3/4	630.87	3/4	923.31	3/4	1,222.31	3/4	1,523.64	3/4	1,827.68	3/4	2,131.80	3/4	2,435.86	3/4	2,739.93	3/4	3,042.92	3/4	
1	38.35	1	334.79	1	637.21	1	929.34	1	1,228.51	1	1,529.98	1	1,834.02	1	2,138.13	1	2,442.20	1	2,746.27	1	3,049.22	1	
1/4	44.38	1/4	340.90	1/4	643.55	1/4	935.39	1/4	1,234.72	1/4	1,536.31	1/4	1,840.35	1/4	2,144.47	1/4	2,448.53	1/4	2,752.60	1/4	3,055.51	1/4	
1/2	50.42	1/2	347.02	1/2	649.88	1/2	941.44	1/2	1,240.92	1/2	1,542.65	1/2	1,846.69	1/2	2,150.80	1/2	2,454.87	1/2	2,758.93	1/2	3,061.81	1/2	
3/4	56.46	3/4	353.14	3/4	656.22	3/4	947.48	3/4	1,247.13	3/4	1,548.98	3/4	1,853.03	3/4	2,157.14	3/4	2,461.20	3/4	2,765.27	3/4	3,068.10	3/4	
2	62.50	2	359.26	2	662.56	2	953.53	2	1,253.33	2	1,555.32	2	1,859.36	2	2,163.48	2	2,467.54	2	2,771.60	2	3,074.40	2	
1/4	68.57	1/4	365.38	1/4	668.89	1/4	959.57	1/4	1,259.53	1/4	1,561.65	1/4	1,865.70	1/4	2,169.81	1/4	2,473.87	1/4	2,777.94	1/4	3,080.69	1/4	
1/2	74.64	1/2	371.50	1/2	675.23	1/2	965.62	1/2	1,265.73	1/2	1,567.97	1/2	1,872.03	1/2	2,176.15	1/2	2,480.21	1/2	2,784.27	1/2	3,086.99	1/2	
3/4	80.71	3/4	377.62	3/4	681.57	3/4	971.67	3/4	1,271.93	3/4	1,574.30	3/4	1,878.37	3/4	2,182.48	3/4	2,486.54	3/4	2,790.61	3/4	3,093.28	3/4	
3	86.79	3	383.74	3	687.90	3	977.71	3	1,278.13	3	1,580.63	3	1,884.70	3	2,188.82	3	2,492.88	3	2,796.94	3	3,099.58	3	
1/4	92.87	1/4	390.07	1/4	693.94	1/4	983.78	1/4	1,284.33	1/4	1,586.95	1/4	1,891.04	1/4	2,195.15	1/4	2,499.21	1/4	2,803.28	1/4	3,105.87	1/4	
1/2	98.95	1/2	396.41	1/2	699.98	1/2	989.85	1/2	1,290.53	1/2	1,593.28	1/2	1,897.38	1/2	2,201.49	1/2	2,505.55	1/2	2,809.61	1/2	3,112.17	1/2	
3/4	105.03	3/4	402.75	3/4	706.01	3/4	995.92	3/4	1,296.73	3/4	1,599.61	3/4	1,903.71	3/4	2,207.83	3/4	2,511.88	3/4	2,815.95	3/4	3,118.46	3/4	
4	111.12	4	409.08	4	712.05	4	1,001.98	4	1,302.93	4	1,605.93	4	1,910.05	4	2,214.16	4	2,518.22	4	2,822.28	4	3,124.76	4	
1/4	117.21	1/4	415.42	1/4	718.09	1/4	1,008.05	1/4	1,309.14	1/4	1,612.27	1/4	1,916.38	1/4	2,220.50	1/4	2,524.55	1/4	2,828.62	1/4	3,131.05	1/4	
1/2	123.31	1/2	421.76	1/2	724.12	1/2	1,014.12	1/2	1,315.34	1/2	1,618.60	1/2	1,922.72	1/2	2,226.83	1/2	2,530.89	1/2	2,834.95	1/2	3,137.34	1/2	
3/4	129.40	3/4	428.09	3/4	730.15	3/4	1,020.19	3/4	1,321.55	3/4	1,624.94	3/4	1,929.05	3/4	2,233.17	3/4	2,537.22	3/4	2,841.29	3/4	3,143.64	3/4	
5	135.50	5	434.43	5	736.19	5	1,026.25	5	1,327.75	5	1,631.28	5	1,935.39	5	2,239.50	5	2,543.55	5	2,847.62	5	3,149.93	5	
1/4	141.71	1/4	440.77	1/4	742.22	1/4	1,032.59	1/4	1,333.96	1/4	1,637.61	1/4	1,941.73	1/4	2,245.84	1/4	2,549.89	1/4	2,853.96	1/4	3,155.74	1/4	
1/2	147.92	1/2	447.10	1/2	748.26	1/2	1,038.93	1/2	1,340.16	1/2	1,643.95	1/2	1,948.06	1/2	2,252.17	1/2	2,556.22	1/2	2,860.29	1/2	3,161.55	1/2	
3/4	154.13	3/4	453.44	3/4	754.29	3/4	1,045.27	3/4	1,346.36	3/4	1,650.28	3/4	1,954.40	3/4	2,258.51	3/4	2,562.56	3/4	2,866.62	3/4	3,167.36	3/4	
6	160.35	6	459.78	6	760.33	6	1,051.60	6	1,352.57	6	1,656.62	6	1,960.73	6	2,264.85	6	2,568.89	6	2,872.96	6	3,173.17	6	
1/4	166.66	1/4	466.12	1/4	766.36	1/4	1,057.94	1/4	1,358.90	1/4	1,662.95	1/4	1,967.07	1/4	2,271.18	1/4	2,575.23	1/4	2,879.25	1/4	3,177.92	1/4	
1/2	172.98	1/2	472.45	1/2	772.39	1/2	1,064.28	1/2	1,365.24	1/2	1,669.29	1/2	1,973.40	1/2	2,277.52	1/2	2,581.56	1/2	2,885.55	1/2	3,182.67	1/2	
3/4	179.29	3/4	478.79	3/4	778.43	3/4	1,070.61	3/4	1,371.58	3/4	1,675.63	3/4	1,979.74	3/4	2,283.85	3/4	2,587.90	3/4	2,891.84	3/4	3,187.42	3/4	
7	185.61	7	485.13	7	784.46	7	1,076.95	7	1,377.91	7	1,681.96	7	1,986.08	7	2,290.19	7	2,594.23	7	2,898.14	7	3,192.17	7	
1/4	191.92	1/4	491.46	1/4	790.50	1/4	1,083.29	1/4	1,384.25	1/4	1,688.30	1/4	1,992.41	1/4	2,296.52	1/4	2,600.57	1/4	2,904.43	1/4	3,195.87	1/4	
1/2	198.24	1/2	497.80	1/2	796.53	1/2	1,089.63	1/2	1,390.58	1/2	1,694.63	1/2	1,998.75	1/2	2,302.86	1/2	2,606.90	1/2	2,910.73	1/2		1/2	
3/4	204.56	3/4	504.14	3/4	802.57	3/4	1,095.96	3/4	1,396.92	3/4	1,700.97	3/4	2,005.08	3/4	2,309.20	3/4	2,613.24	3/4	2,917.02	3/4		3/4	
8	210.87	8	510.47	8	808.60	8	1,102.30	8	1,403.26	8	1,707.30	8	2,011.42	8	2,315.53	8	2,619.57	8	2,923.32	8	3,198.42	8	
1/4	217.19	1/4	516.81	1/4	814.63	1/4	1,108.64	1/4	1,409.59	1/4	1,713.64	1/4	2,017.75	1/4	2,321.87	1/4	2,625.91	1/4	2,929.61	1/4		1/4	
1/2	223.51	1/2	523.15	1/2	820.67	1/2	1,114.97	1/2	1,415.93	1/2	1,719.98	1/2	2,024.09	1/2	2,328.20	1/2	2,632.24	1/2	2,935.91	1/2		1/2	
3/4	229.82	3/4	529.48	3/4	826.70	3/4	1,121.31	3/4	1,422.26	3/4	1,726.31	3/4	2,030.43	3/4	2,334.54	3/4	2,638.58	3/4	2,942.20	3/4		3/4	
9	236.14	9	535.82	9	832.74	9	1,127.65	9	1,428.60	9	1,732.65	9	2,036.76	9	2,340.87	9	2,644.91	9	2,948.50	9	3,199.42	9	
1/4	242.46	1/4	542.16	1/4	838.77	1/4	1,133.99	1/4	1,434.94	1/4	1,738.98	1/4	2,043.10	1/4	2,347.21	1/4	2,651.24	1/4	2,954.79	1/4		1/4	
1/2	248.79	1/2	548.49	1/2	844.81	1/2	1,140.32	1/2	1,441.27	1/2	1,745.32	1/2	2,049.43	1/2	2,353.55	1/2	2,657.58	1/2	2,961.09	1/2		1/2	
3/4	255.12	3/4	554.83	3/4	850.85	3/4	1,146.66	3/4	1,447.61	3/4	1,751.65	3/4	2,055.77	3/4	2,359.88	3/4	2,663.91	3/4	2,967.38	3/4		3/4	
10	261.44	10	561.17	10	856.88	10	1,153.00	10	1,453.94	10	1,757.99	10	2,062.10	10	2,366.22	10	2,670.25	10	2,973.68	10	3,200.64	10	
1/4	267.55	1/4	567.50	1/4	862.92	1/4	1,159.33	1/4	1,460.28	1/4	1,764.33	1/4	2,068.44	1/4	2,372.55	1/4	2,676.58	1/4	2,979.97	1/4		1/4	
1/2	273.66	1/2	573.84	1/2	868.96	1/2	1,165.67	1/2	1,466.62	1/2	1,770.66	1/2	2,074.78	1/2	2,378.88	1/2	2,682.92	1/2	2,986.27	1/2		1/2	
3/4	279.77	3/4	580.18	3/4	875.00	3/4	1,172.01	3/4	1,472.95	3/4	1,777.00	3/4	2,081.11	3/4	2,385.21	3/4	2,689.25	3/4	2,992.56	3/4		3/4	
11	285.88	11	586.51	11	881.04	11	1,178.35	11	1,479.29	11	1,783.33	11	2,087.45	11	2,391.54	11	2,695.59	11	2,998.86	11	3,203.90	11	
1/4	291.98	1/4	592.85	1/4	887.08	1/4	1,184.68	1/4	1,485.62	1/4	1,789.67	1/4	2,093.78	1/4	2,397.87	1/4	2,701.92	1/4	3,005.15	1/4		1/4	
1/2	298.09	1/2	599.19	1/2	893.11	1/2	1,191.02	1/2	1,491.96	1/2	1,796.00	1/2	2,100.12	1/2	2,404.20	1/2	2,708.26	1/2	3,011.45	1/2		1/2	
3/4	304.20	3/4	605.52	3/4	899.15	3/4	1,197.36	3/4	1,498.30	3/4	1,802.34	3/4	2,106.45	3/4	2,410.53	3/4	2,714.59	3/4	3,017.74	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) LOCATED 12'-09" OFF CENTERLINE AND 36'-00" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 38'-00" FORWARD OF AFT BULKHEAD.

STRAPPED: 07/03/2013 CL - SW
CALCULATED: 07/04/2013 CL
PRINTED: 07/08/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2013

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



BARGE "MM 97B" MAGNOLIA BARGE

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.	
0	17.66	0	310.18	0	611.60	0	914.49	0	1,218.25	0	1,519.06	0	1,822.97	0	2,126.95	0	2,430.89	0	2,734.83	0	3,037.81	0		0
1/4	22.83	1/4	316.29	1/4	617.93	1/4	920.80	1/4	1,224.45	1/4	1,525.39	1/4	1,829.30	1/4	2,133.29	1/4	2,437.23	1/4	2,741.17	1/4	3,044.10	1/4		1/4
1/2	28.00	1/2	322.41	1/2	624.27	1/2	927.10	1/2	1,230.65	1/2	1,531.72	1/2	1,835.64	1/2	2,139.62	1/2	2,443.56	1/2	2,747.50	1/2	3,050.40	1/2		1/2
3/4	33.16	3/4	328.53	3/4	630.60	3/4	933.41	3/4	1,236.85	3/4	1,538.06	3/4	1,841.97	3/4	2,145.95	3/4	2,449.89	3/4	2,753.83	3/4	3,056.69	3/4		3/4
1	38.33	1	334.64	1	636.94	1	939.71	1	1,243.06	1	1,544.39	1	1,848.30	1	2,152.29	1	2,456.22	1	2,760.16	1	3,062.98	1		1
1/4	44.36	1/4	340.76	1/4	643.27	1/4	946.02	1/4	1,249.26	1/4	1,550.72	1/4	1,854.64	1/4	2,158.62	1/4	2,462.55	1/4	2,766.49	1/4	3,069.27	1/4		1/4
1/2	50.40	1/2	346.87	1/2	649.60	1/2	952.33	1/2	1,255.46	1/2	1,557.06	1/2	1,860.97	1/2	2,164.95	1/2	2,468.89	1/2	2,772.83	1/2	3,075.56	1/2		1/2
3/4	56.43	3/4	352.99	3/4	655.94	3/4	958.65	3/4	1,261.66	3/4	1,563.39	3/4	1,867.30	3/4	2,171.29	3/4	2,475.22	3/4	2,779.16	3/4	3,081.86	3/4		3/4
2	62.47	2	359.11	2	662.27	2	964.96	2	1,267.86	2	1,569.72	2	1,873.63	2	2,177.62	2	2,481.55	2	2,785.49	2	3,088.15	2		2
1/4	68.54	1/4	365.22	1/4	668.61	1/4	971.27	1/4	1,274.06	1/4	1,576.05	1/4	1,879.97	1/4	2,183.95	1/4	2,487.88	1/4	2,791.82	1/4	3,094.44	1/4		1/4
1/2	74.61	1/2	371.34	1/2	674.94	1/2	977.58	1/2	1,280.26	1/2	1,582.37	1/2	1,886.30	1/2	2,190.28	1/2	2,494.21	1/2	2,798.15	1/2	3,100.73	1/2		1/2
3/4	80.68	3/4	377.46	3/4	681.28	3/4	983.90	3/4	1,286.46	3/4	1,588.70	3/4	1,892.63	3/4	2,196.62	3/4	2,500.55	3/4	2,804.49	3/4	3,107.02	3/4		3/4
3	86.75	3	383.57	3	687.61	3	990.21	3	1,292.65	3	1,595.02	3	1,898.97	3	2,202.95	3	2,506.88	3	2,810.82	3	3,113.32	3		3
1/4	92.83	1/4	389.91	1/4	693.91	1/4	996.54	1/4	1,298.85	1/4	1,601.34	1/4	1,905.30	1/4	2,209.28	1/4	2,513.21	1/4	2,817.15	1/4	3,119.61	1/4		1/4
1/2	98.91	1/2	396.24	1/2	700.21	1/2	1,002.88	1/2	1,305.05	1/2	1,607.67	1/2	1,911.63	1/2	2,215.62	1/2	2,519.54	1/2	2,823.48	1/2	3,125.90	1/2		1/2
3/4	104.99	3/4	402.57	3/4	706.52	3/4	1,009.21	3/4	1,311.25	3/4	1,613.99	3/4	1,917.97	3/4	2,221.95	3/4	2,525.87	3/4	2,829.82	3/4	3,132.19	3/4		3/4
4	111.07	4	408.91	4	712.82	4	1,015.55	4	1,317.45	4	1,620.31	4	1,924.30	4	2,228.28	4	2,532.21	4	2,836.15	4	3,138.48	4		4
1/4	117.16	1/4	415.24	1/4	719.12	1/4	1,021.88	1/4	1,323.65	1/4	1,626.65	1/4	1,930.63	1/4	2,234.62	1/4	2,538.54	1/4	2,842.48	1/4	3,144.78	1/4		1/4
1/2	123.25	1/2	421.58	1/2	725.42	1/2	1,028.22	1/2	1,329.85	1/2	1,632.98	1/2	1,936.96	1/2	2,240.95	1/2	2,544.87	1/2	2,848.81	1/2	3,151.07	1/2		1/2
3/4	129.34	3/4	427.91	3/4	731.72	3/4	1,034.55	3/4	1,336.05	3/4	1,639.31	3/4	1,943.30	3/4	2,247.28	3/4	2,551.20	3/4	2,855.14	3/4	3,157.36	3/4		3/4
5	135.44	5	434.25	5	738.02	5	1,040.89	5	1,342.25	5	1,645.65	5	1,949.63	5	2,253.61	5	2,557.54	5	2,861.48	5	3,163.65	5		5
1/4	141.65	1/4	440.58	1/4	744.33	1/4	1,047.22	1/4	1,348.45	1/4	1,651.98	1/4	1,955.96	1/4	2,259.95	1/4	2,563.87	1/4	2,867.81	1/4	3,169.46	1/4		1/4
1/2	147.86	1/2	446.91	1/2	750.63	1/2	1,053.55	1/2	1,354.66	1/2	1,658.31	1/2	1,962.30	1/2	2,266.28	1/2	2,570.20	1/2	2,874.14	1/2	3,175.26	1/2		1/2
3/4	154.07	3/4	453.25	3/4	756.93	3/4	1,059.89	3/4	1,360.86	3/4	1,664.65	3/4	1,968.63	3/4	2,272.61	3/4	2,576.53	3/4	2,880.47	3/4	3,181.07	3/4		3/4
6	160.28	6	459.58	6	763.23	6	1,066.22	6	1,367.06	6	1,670.98	6	1,974.96	6	2,278.95	6	2,582.86	6	2,886.80	6	3,186.87	6		6
1/4	166.59	1/4	465.92	1/4	769.53	1/4	1,072.56	1/4	1,373.39	1/4	1,677.31	1/4	1,981.30	1/4	2,285.28	1/4	2,589.20	1/4	2,893.10	1/4	3,191.62	1/4		1/4
1/2	172.90	1/2	472.25	1/2	775.83	1/2	1,078.89	1/2	1,379.73	1/2	1,683.64	1/2	1,987.63	1/2	2,291.61	1/2	2,595.53	1/2	2,899.39	1/2	3,196.37	1/2		1/2
3/4	179.22	3/4	478.58	3/4	782.13	3/4	1,085.23	3/4	1,386.06	3/4	1,689.98	3/4	1,993.96	3/4	2,297.95	3/4	2,601.86	3/4	2,905.68	3/4	3,201.12	3/4		3/4
7	185.53	7	484.92	7	788.43	7	1,091.56	7	1,392.39	7	1,696.31	7	2,000.29	7	2,304.28	7	2,608.19	7	2,911.97	7	3,205.87	7		7
1/4	191.84	1/4	491.25	1/4	794.73	1/4	1,097.89	1/4	1,398.73	1/4	1,702.64	1/4	2,006.63	1/4	2,310.61	1/4	2,614.52	1/4	2,918.26	1/4	3,209.57	1/4		1/4
1/2	198.16	1/2	497.59	1/2	801.03	1/2	1,104.23	1/2	1,405.06	1/2	1,708.98	1/2	2,012.96	1/2	2,316.94	1/2	2,620.86	1/2	2,924.56	1/2		1/2		1/2
3/4	204.47	3/4	503.92	3/4	807.33	3/4	1,110.56	3/4	1,411.39	3/4	1,715.31	3/4	2,019.29	3/4	2,323.28	3/4	2,627.19	3/4	2,930.85	3/4		3/4		3/4
8	210.78	8	510.25	8	813.64	8	1,116.90	8	1,417.73	8	1,721.64	8	2,025.63	8	2,329.61	8	2,633.52	8	2,937.14	8		8		8
1/4	217.10	1/4	516.59	1/4	819.94	1/4	1,123.23	1/4	1,424.06	1/4	1,727.98	1/4	2,031.96	1/4	2,335.94	1/4	2,639.85	1/4	2,943.43	1/4		1/4		1/4
1/2	223.41	1/2	522.92	1/2	826.24	1/2	1,129.57	1/2	1,430.39	1/2	1,734.31	1/2	2,038.29	1/2	2,342.28	1/2	2,646.18	1/2	2,949.72	1/2		1/2		1/2
3/4	229.72	3/4	529.26	3/4	832.54	3/4	1,135.90	3/4	1,436.73	3/4	1,740.64	3/4	2,044.63	3/4	2,348.61	3/4	2,652.52	3/4	2,956.02	3/4		3/4		3/4
9	236.04	9	535.59	9	838.84	9	1,142.24	9	1,443.06	9	1,746.97	9	2,050.96	9	2,354.94	9	2,658.85	9	2,962.31	9		9		9
1/4	242.36	1/4	541.92	1/4	845.14	1/4	1,148.57	1/4	1,449.39	1/4	1,753.31	1/4	2,057.29	1/4	2,361.28	1/4	2,665.18	1/4	2,968.60	1/4		1/4		1/4
1/2	248.68	1/2	548.26	1/2	851.44	1/2	1,154.90	1/2	1,455.72	1/2	1,759.64	1/2	2,063.62	1/2	2,367.61	1/2	2,671.51	1/2	2,974.89	1/2		1/2		1/2
3/4	255.01	3/4	554.59	3/4	857.75	3/4	1,161.24	3/4	1,462.06	3/4	1,765.97	3/4	2,069.96	3/4	2,373.94	3/4	2,677.85	3/4	2,981.18	3/4		3/4		3/4
10	261.33	10	560.93	10	864.05	10	1,167.57	10	1,468.39	10	1,772.31	10	2,076.29	10	2,380.27	10	2,684.18	10	2,987.48	10		10		10
1/4	267.44	1/4	567.26	1/4	870.36	1/4	1,173.91	1/4	1,474.72	1/4	1,778.64	1/4	2,082.62	1/4	2,386.60	1/4	2,690.51	1/4	2,993.77	1/4		1/4		1/4
1/2	273.54	1/2	573.60	1/2	876.66	1/2	1,180.24	1/2	1,481.06	1/2	1,784.97	1/2	2,088.96	1/2	2,392.93	1/2	2,696.84	1/2	3,000.06	1/2		1/2		1/2
3/4	279.65	3/4	579.93	3/4	882.97	3/4	1,186.58	3/4	1,487.39	3/4	1,791.31	3/4	2,095.29	3/4	2,399.26	3/4	2,703.17	3/4	3,006.35	3/4		3/4		3/4
11	285.75	11	586.26	11	889.27	11	1,192.91	11	1,493.72	11	1,797.64	11	2,101.62	11	2,405.59	1								



BARGE "MM 97B" MAGNOLIA BARGE

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 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	310.25	0	611.71	0	904.91	0	1,203.28	0	1,504.09	0	1,808.00	0	2,111.99	0	2,415.92	0	2,719.86	0	3,022.84	0		
1/4	22.83	1/4	316.37	1/4	618.04	1/4	910.94	1/4	1,209.48	1/4	1,510.42	1/4	1,814.34	1/4	2,118.32	1/4	2,422.25	1/4	2,726.20	1/4	3,029.13	1/4		
1/2	28.00	1/2	322.49	1/2	624.37	1/2	916.98	1/2	1,215.68	1/2	1,516.75	1/2	1,820.67	1/2	2,124.66	1/2	2,428.59	1/2	2,732.53	1/2	3,035.43	1/2		
3/4	33.17	3/4	328.61	3/4	630.71	3/4	923.01	3/4	1,221.88	3/4	1,523.09	3/4	1,827.00	3/4	2,130.99	3/4	2,434.92	3/4	2,738.86	3/4	3,041.72	3/4		
1	38.33	1	334.73	1	637.04	1	929.05	1	1,228.09	1	1,529.42	1	1,833.33	1	2,137.32	1	2,441.25	1	2,745.19	1	3,048.01	1		
1/4	44.37	1/4	340.85	1/4	643.38	1/4	935.09	1/4	1,234.29	1/4	1,535.75	1/4	1,839.67	1/4	2,143.66	1/4	2,447.58	1/4	2,751.52	1/4	3,054.30	1/4		
1/2	50.41	1/2	346.96	1/2	649.71	1/2	941.14	1/2	1,240.49	1/2	1,542.09	1/2	1,846.00	1/2	2,149.99	1/2	2,453.91	1/2	2,757.86	1/2	3,060.59	1/2		
3/4	56.45	3/4	353.08	3/4	656.04	3/4	947.18	3/4	1,246.69	3/4	1,548.42	3/4	1,852.33	3/4	2,156.32	3/4	2,460.25	3/4	2,764.19	3/4	3,066.89	3/4		
2	62.49	2	359.20	2	662.38	2	953.22	2	1,252.89	2	1,554.75	2	1,858.67	2	2,162.66	2	2,466.58	2	2,770.52	2	3,073.18	2		
1/4	68.56	1/4	365.32	1/4	668.71	1/4	959.26	1/4	1,259.09	1/4	1,561.08	1/4	1,865.00	1/4	2,168.99	1/4	2,472.91	1/4	2,776.85	1/4	3,079.47	1/4		
1/2	74.63	1/2	371.44	1/2	675.05	1/2	965.31	1/2	1,265.29	1/2	1,567.40	1/2	1,871.33	1/2	2,175.32	1/2	2,479.24	1/2	2,783.18	1/2	3,085.76	1/2		
3/4	80.70	3/4	377.56	3/4	681.38	3/4	971.35	3/4	1,271.49	3/4	1,573.72	3/4	1,877.67	3/4	2,181.66	3/4	2,485.58	3/4	2,789.52	3/4	3,092.05	3/4		
3	86.78	3	383.68	3	687.72	3	977.39	3	1,277.68	3	1,580.05	3	1,884.00	3	2,187.99	3	2,491.91	3	2,795.85	3	3,098.35	3		
1/4	92.86	1/4	390.01	1/4	693.75	1/4	983.46	1/4	1,283.88	1/4	1,586.37	1/4	1,890.33	1/4	2,194.32	1/4	2,498.24	1/4	2,802.18	1/4	3,104.64	1/4		
1/2	98.94	1/2	396.35	1/2	699.78	1/2	989.52	1/2	1,290.08	1/2	1,592.70	1/2	1,896.67	1/2	2,200.65	1/2	2,504.57	1/2	2,808.51	1/2	3,110.93	1/2		
3/4	105.02	3/4	402.68	3/4	705.82	3/4	995.59	3/4	1,296.28	3/4	1,599.02	3/4	1,903.00	3/4	2,206.99	3/4	2,510.90	3/4	2,814.84	3/4	3,117.22	3/4		
4	111.10	4	409.01	4	711.85	4	1,001.65	4	1,302.48	4	1,605.34	4	1,909.33	4	2,213.32	4	2,517.24	4	2,821.18	4	3,123.51	4		
1/4	117.20	1/4	415.35	1/4	717.88	1/4	1,007.72	1/4	1,308.68	1/4	1,611.68	1/4	1,915.67	1/4	2,219.65	1/4	2,523.57	1/4	2,827.51	1/4	3,129.81	1/4		
1/2	123.29	1/2	421.68	1/2	723.91	1/2	1,013.79	1/2	1,314.88	1/2	1,618.01	1/2	1,922.00	1/2	2,225.99	1/2	2,529.90	1/2	2,833.84	1/2	3,136.10	1/2		
3/4	129.39	3/4	428.02	3/4	729.95	3/4	1,019.85	3/4	1,321.08	3/4	1,624.34	3/4	1,928.33	3/4	2,232.32	3/4	2,536.23	3/4	2,840.17	3/4	3,142.39	3/4		
5	135.48	5	434.35	5	735.98	5	1,025.92	5	1,327.28	5	1,630.68	5	1,934.66	5	2,238.65	5	2,542.56	5	2,846.51	5	3,148.68	5		
1/4	141.70	1/4	440.69	1/4	742.01	1/4	1,032.25	1/4	1,333.48	1/4	1,637.01	1/4	1,941.00	1/4	2,244.99	1/4	2,548.90	1/4	2,852.84	1/4	3,154.49	1/4		
1/2	147.91	1/2	447.02	1/2	748.04	1/2	1,038.58	1/2	1,339.68	1/2	1,643.34	1/2	1,947.33	1/2	2,251.32	1/2	2,555.23	1/2	2,859.17	1/2	3,160.29	1/2		
3/4	154.12	3/4	453.35	3/4	754.07	3/4	1,044.92	3/4	1,345.89	3/4	1,649.67	3/4	1,953.66	3/4	2,257.65	3/4	2,561.56	3/4	2,865.50	3/4	3,166.09	3/4		
6	160.33	6	459.69	6	760.10	6	1,051.25	6	1,352.09	6	1,656.01	6	1,960.00	6	2,263.99	6	2,567.89	6	2,871.83	6	3,171.90	6		
1/4	166.64	1/4	466.02	1/4	766.14	1/4	1,057.59	1/4	1,358.42	1/4	1,662.34	1/4	1,966.33	1/4	2,270.32	1/4	2,574.22	1/4	2,878.13	1/4	3,176.65	1/4		
1/2	172.96	1/2	472.36	1/2	772.17	1/2	1,063.92	1/2	1,364.75	1/2	1,668.67	1/2	1,972.66	1/2	2,276.65	1/2	2,580.56	1/2	2,884.42	1/2	3,181.40	1/2		
3/4	179.27	3/4	478.69	3/4	778.20	3/4	1,070.26	3/4	1,371.09	3/4	1,675.01	3/4	1,979.00	3/4	2,282.98	3/4	2,586.89	3/4	2,890.71	3/4	3,186.15	3/4		
7	185.58	7	485.02	7	784.23	7	1,076.59	7	1,377.42	7	1,681.34	7	1,985.33	7	2,289.32	7	2,593.22	7	2,897.00	7	3,190.90	7		
1/4	191.90	1/4	491.36	1/4	790.26	1/4	1,082.93	1/4	1,383.75	1/4	1,687.67	1/4	1,991.66	1/4	2,295.65	1/4	2,599.55	1/4	2,903.29	1/4	3,194.59	1/4		
1/2	198.21	1/2	497.69	1/2	796.29	1/2	1,089.26	1/2	1,390.09	1/2	1,694.01	1/2	1,998.00	1/2	2,301.98	1/2	2,605.89	1/2	2,909.59	1/2		1/2		
3/4	204.52	3/4	504.03	3/4	802.33	3/4	1,095.59	3/4	1,396.42	3/4	1,700.34	3/4	2,004.33	3/4	2,308.32	3/4	2,612.22	3/4	2,915.88	3/4		3/4		
8	210.84	8	510.36	8	808.36	8	1,101.93	8	1,402.75	8	1,706.67	8	2,010.66	8	2,314.65	8	2,618.55	8	2,922.17	8		8		
1/4	217.15	1/4	516.69	1/4	814.39	1/4	1,108.26	1/4	1,409.09	1/4	1,713.01	1/4	2,016.99	1/4	2,320.98	1/4	2,624.88	1/4	2,928.46	1/4		1/4		
1/2	223.46	1/2	523.03	1/2	820.42	1/2	1,114.60	1/2	1,415.42	1/2	1,719.34	1/2	2,023.33	1/2	2,327.32	1/2	2,631.21	1/2	2,934.75	1/2		1/2		
3/4	229.78	3/4	529.36	3/4	826.45	3/4	1,120.93	3/4	1,421.75	3/4	1,725.67	3/4	2,029.66	3/4	2,333.65	3/4	2,637.55	3/4	2,941.05	3/4		3/4		
9	236.09	9	535.70	9	832.48	9	1,127.27	9	1,428.09	9	1,732.01	9	2,035.99	9	2,339.98	9	2,643.88	9	2,947.34	9		9		
1/4	242.41	1/4	542.03	1/4	838.52	1/4	1,133.60	1/4	1,434.42	1/4	1,738.34	1/4	2,042.33	1/4	2,346.32	1/4	2,650.21	1/4	2,953.63	1/4		1/4		
1/2	248.74	1/2	548.37	1/2	844.55	1/2	1,139.94	1/2	1,440.75	1/2	1,744.67	1/2	2,048.66	1/2	2,352.65	1/2	2,656.54	1/2	2,959.92	1/2		1/2		
3/4	255.06	3/4	554.70	3/4	850.59	3/4	1,146.27	3/4	1,447.09	3/4	1,751.00	3/4	2,054.99	3/4	2,358.98	3/4	2,662.87	3/4	2,966.21	3/4		3/4		
10	261.38	10	561.03	10	856.62	10	1,152.60	10	1,453.42	10	1,757.34	10	2,061.33	10	2,365.32	10	2,669.21	10	2,972.51	10		10		
1/4	267.49	1/4	567.37	1/4	862.66	1/4	1,158.94	1/4	1,459.75	1/4	1,763.67	1/4	2,067.66	1/4	2,371.64	1/4	2,675.54	1/4	2,978.80	1/4		1/4		
1/2	273.60	1/2	573.70	1/2	868.69	1/2	1,165.27	1/2	1,466.09	1/2	1,770.00	1/2	2,073.99	1/2	2,377.97	1/2	2,681.87	1/2	2,985.09	1/2		1/2		
3/4	279.71	3/4	580.04	3/4	874.73	3/4	1,171.61	3/4	1,472.42	3/4	1,776.34	3/4	2,080.33	3/4	2,384.29	3/4	2,688.20	3/4	2,991.38	3/4		3/4		
11	285.82	11	586.37	11	880.76	11	1,177.94	11	1,478.75	11	1,782.67	11	2,086.66	11	2,390.62	11	2,694.53	11	2,997.67	11		11		
1/4	291.93	1/4	592.70	1/4	886.80	1/4	1,184.28	1/4	1,485.09	1/4	1,789.00	1/4	2,092.99	1/4	2,396.94	1/4	2,700.87	1/4	3,003.97	1/4		1/4		
1/2	298.03	1/2	599.04	1/2	892.83	1/2	1,190.61	1/2	1,491.42	1/2	1,795.34	1/2	2,099.33	1/2	2,403.27	1/2	2,707.20	1/2	3,010.26	1/2		1/2		
3/4	304.14	3/4	605.37	3/4	898.87	3/4	1,196.94	3/4	1,497.75	3/4	1,801.67	3/4	2,105.66	3/4	2,409.60	3/4	2,713.53	3/4	3,016.55	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) LOCATED 12'-09" OFF CENTERLINE AND 36'-00" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 38'-00" FORWARD OF AFT BULKHEAD.

STRAPPED: 07/03/2013 CL - SW
CALCULATED: 07/04/2013 CL
PRINTED: 07/08/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2013

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



**BARGE "MM 97B"
MAGNOLIA BARGE**

**3 STBD
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	17.66	0	310.12	0	611.44	0	914.20	0	1,217.83	0	1,518.51	0	1,822.30	0	2,126.15	0	2,429.95	0	2,733.76	0	3,036.61	0	
1/4	22.82	1/4	316.23	1/4	617.78	1/4	920.51	1/4	1,224.03	1/4	1,524.84	1/4	1,828.63	1/4	2,132.49	1/4	2,436.28	1/4	2,740.09	1/4	3,042.90	1/4	
1/2	27.99	1/2	322.35	1/2	624.11	1/2	926.81	1/2	1,230.23	1/2	1,531.17	1/2	1,834.96	1/2	2,138.82	1/2	2,442.61	1/2	2,746.42	1/2	3,049.18	1/2	
3/4	33.15	3/4	328.47	3/4	630.44	3/4	933.11	3/4	1,236.43	3/4	1,537.50	3/4	1,841.29	3/4	2,145.15	3/4	2,448.94	3/4	2,752.75	3/4	3,055.47	3/4	
1	38.32	1	334.58	1	636.77	1	939.41	1	1,242.63	1	1,543.83	1	1,847.62	1	2,151.48	1	2,455.27	1	2,759.08	1	3,061.76	1	
1/4	44.35	1/4	340.70	1/4	643.10	1/4	945.72	1/4	1,248.83	1/4	1,550.16	1/4	1,853.95	1/4	2,157.81	1/4	2,461.60	1/4	2,765.41	1/4	3,068.05	1/4	
1/2	50.39	1/2	346.82	1/2	649.43	1/2	952.03	1/2	1,255.02	1/2	1,556.49	1/2	1,860.28	1/2	2,164.14	1/2	2,467.93	1/2	2,771.74	1/2	3,074.34	1/2	
3/4	56.42	3/4	352.93	3/4	655.76	3/4	958.34	3/4	1,261.22	3/4	1,562.82	3/4	1,866.61	3/4	2,170.47	3/4	2,474.26	3/4	2,778.06	3/4	3,080.63	3/4	
2	62.46	2	359.05	2	662.10	2	964.65	2	1,267.42	2	1,569.15	2	1,872.94	2	2,176.80	2	2,480.59	2	2,784.39	2	3,086.92	2	
1/4	68.53	1/4	365.16	1/4	668.43	1/4	970.96	1/4	1,273.62	1/4	1,575.48	1/4	1,879.27	1/4	2,183.13	1/4	2,486.92	1/4	2,790.72	1/4	3,093.21	1/4	
1/2	74.60	1/2	371.28	1/2	674.76	1/2	977.27	1/2	1,279.81	1/2	1,581.80	1/2	1,885.60	1/2	2,189.46	1/2	2,493.25	1/2	2,797.05	1/2	3,099.50	1/2	
3/4	80.67	3/4	377.40	3/4	681.09	3/4	983.58	3/4	1,286.01	3/4	1,588.12	3/4	1,891.93	3/4	2,195.79	3/4	2,499.58	3/4	2,803.38	3/4	3,105.79	3/4	
3	86.74	3	383.51	3	687.42	3	989.89	3	1,292.20	3	1,594.44	3	1,898.26	3	2,202.12	3	2,505.90	3	2,809.71	3	3,112.08	3	
1/4	92.82	1/4	389.85	1/4	693.72	1/4	996.22	1/4	1,298.40	1/4	1,600.76	1/4	1,904.59	1/4	2,208.45	1/4	2,512.23	1/4	2,816.04	1/4	3,118.37	1/4	
1/2	98.90	1/2	396.18	1/2	700.02	1/2	1,002.55	1/2	1,304.59	1/2	1,607.08	1/2	1,910.92	1/2	2,214.78	1/2	2,518.56	1/2	2,822.37	1/2	3,124.66	1/2	
3/4	104.98	3/4	402.51	3/4	706.32	3/4	1,008.88	3/4	1,310.79	3/4	1,613.40	3/4	1,917.25	3/4	2,221.11	3/4	2,524.89	3/4	2,828.70	3/4	3,130.95	3/4	
4	111.06	4	408.84	4	712.62	4	1,015.22	4	1,316.99	4	1,619.72	4	1,923.58	4	2,227.44	4	2,531.22	4	2,835.03	4	3,137.23	4	
1/4	117.15	1/4	415.17	1/4	718.92	1/4	1,021.55	1/4	1,323.18	1/4	1,626.05	1/4	1,929.91	1/4	2,233.77	1/4	2,537.55	1/4	2,841.36	1/4	3,143.52	1/4	
1/2	123.24	1/2	421.50	1/2	725.22	1/2	1,027.88	1/2	1,329.38	1/2	1,632.38	1/2	1,936.24	1/2	2,240.10	1/2	2,543.88	1/2	2,847.69	1/2	3,149.81	1/2	
3/4	129.33	3/4	427.83	3/4	731.52	3/4	1,034.21	3/4	1,335.58	3/4	1,638.71	3/4	1,942.57	3/4	2,246.43	3/4	2,550.21	3/4	2,854.02	3/4	3,156.10	3/4	
5	135.43	5	434.17	5	737.81	5	1,040.54	5	1,341.78	5	1,645.04	5	1,948.90	5	2,252.76	5	2,556.54	5	2,860.35	5	3,162.39	5	
1/4	141.64	1/4	440.50	1/4	744.11	1/4	1,046.87	1/4	1,347.98	1/4	1,651.37	1/4	1,955.23	1/4	2,259.09	1/4	2,562.87	1/4	2,866.67	1/4	3,168.19	1/4	
1/2	147.84	1/2	446.83	1/2	750.41	1/2	1,053.21	1/2	1,354.18	1/2	1,657.71	1/2	1,961.56	1/2	2,265.42	1/2	2,569.20	1/2	2,873.00	1/2	3,174.00	1/2	
3/4	154.05	3/4	453.16	3/4	756.71	3/4	1,059.54	3/4	1,360.38	3/4	1,664.04	3/4	1,967.89	3/4	2,271.75	3/4	2,575.53	3/4	2,879.33	3/4	3,179.80	3/4	
6	160.26	6	459.49	6	763.01	6	1,065.87	6	1,366.58	6	1,670.37	6	1,974.23	6	2,278.08	6	2,581.86	6	2,885.66	6	3,185.60	6	
1/4	166.57	1/4	465.82	1/4	769.30	1/4	1,072.20	1/4	1,372.91	1/4	1,676.70	1/4	1,980.56	1/4	2,284.41	1/4	2,588.19	1/4	2,891.95	1/4	3,190.35	1/4	
1/2	172.88	1/2	472.15	1/2	775.60	1/2	1,078.53	1/2	1,379.24	1/2	1,683.03	1/2	1,986.89	1/2	2,290.75	1/2	2,594.51	1/2	2,898.24	1/2	3,195.10	1/2	
3/4	179.19	3/4	478.48	3/4	781.90	3/4	1,084.87	3/4	1,385.57	3/4	1,689.36	3/4	1,993.22	3/4	2,297.08	3/4	2,600.84	3/4	2,904.53	3/4	3,199.84	3/4	
7	185.50	7	484.82	7	788.20	7	1,091.20	7	1,391.90	7	1,695.69	7	1,999.55	7	2,303.41	7	2,607.17	7	2,910.82	7	3,204.59	7	
1/4	191.81	1/4	491.15	1/4	794.50	1/4	1,097.53	1/4	1,398.23	1/4	1,702.02	1/4	2,005.88	1/4	2,309.74	1/4	2,613.50	1/4	2,917.11	1/4	3,208.28	1/4	
1/2	198.12	1/2	497.48	1/2	800.80	1/2	1,103.86	1/2	1,404.56	1/2	1,708.35	1/2	2,012.21	1/2	2,316.07	1/2	2,619.83	1/2	2,923.40	1/2		1/2	
3/4	204.43	3/4	503.81	3/4	807.09	3/4	1,110.19	3/4	1,410.89	3/4	1,714.68	3/4	2,018.54	3/4	2,322.40	3/4	2,626.16	3/4	2,929.69	3/4		3/4	
8	210.75	8	510.14	8	813.39	8	1,116.52	8	1,417.22	8	1,721.01	8	2,024.87	8	2,328.73	8	2,632.49	8	2,935.98	8		8	
1/4	217.06	1/4	516.47	1/4	819.69	1/4	1,122.86	1/4	1,423.55	1/4	1,727.34	1/4	2,031.20	1/4	2,335.06	1/4	2,638.82	1/4	2,942.27	1/4		1/4	
1/2	223.37	1/2	522.80	1/2	825.99	1/2	1,129.19	1/2	1,429.88	1/2	1,733.67	1/2	2,037.53	1/2	2,341.39	1/2	2,645.15	1/2	2,948.56	1/2		1/2	
3/4	229.68	3/4	529.14	3/4	832.29	3/4	1,135.52	3/4	1,436.21	3/4	1,740.00	3/4	2,043.86	3/4	2,347.72	3/4	2,651.48	3/4	2,954.85	3/4		3/4	
9	235.99	9	535.47	9	838.58	9	1,141.85	9	1,442.54	9	1,746.33	9	2,050.19	9	2,354.05	9	2,657.81	9	2,961.13	9		9	
1/4	242.31	1/4	541.80	1/4	844.88	1/4	1,148.18	1/4	1,448.87	1/4	1,752.66	1/4	2,056.52	1/4	2,360.38	1/4	2,664.14	1/4	2,967.42	1/4		1/4	
1/2	248.63	1/2	548.13	1/2	851.18	1/2	1,154.51	1/2	1,455.20	1/2	1,758.99	1/2	2,062.85	1/2	2,366.71	1/2	2,670.47	1/2	2,973.71	1/2		1/2	
3/4	254.95	3/4	554.46	3/4	857.49	3/4	1,160.85	3/4	1,461.53	3/4	1,765.32	3/4	2,069.18	3/4	2,373.04	3/4	2,676.80	3/4	2,980.00	3/4		3/4	
10	261.27	10	560.79	10	863.79	10	1,167.18	10	1,467.87	10	1,771.65	10	2,075.51	10	2,379.37	10	2,683.13	10	2,986.29	10		10	
1/4	267.38	1/4	567.12	1/4	870.09	1/4	1,173.51	1/4	1,474.20	1/4	1,777.98	1/4	2,081.84	1/4	2,385.69	1/4	2,689.45	1/4	2,992.58	1/4		1/4	
1/2	273.48	1/2	573.46	1/2	876.39	1/2	1,179.84	1/2	1,480.53	1/2	1,784.31	1/2	2,088.17	1/2	2,392.01	1/2	2,695.78	1/2	2,998.87	1/2		1/2	
3/4	279.59	3/4	579.79	3/4	882.69	3/4	1,186.17	3/4	1,486.86	3/4	1,790.64	3/4	2,094.50	3/4	2,398.34	3/4	2,702.11	3/4	3,005.16	3/4		3/4	
11	285.69	11	586.12	11	888.99	11	1,192.50	11	1,493.19	11	1,796.97	11	2,100.83	11	2,404.66	11	2,708.44	11	3,011.45	11		11	
1/4	291.80	1/4	592.45	1/4	895.30	1/4	1,198.84	1/4	1,499.52	1/4	1,803.30	1/4	2,107.16	1/4	2,410.98	1/4	2,714.77	1/4	3,017.74	1/4		1/4	
1/2	297.91	1/2	598.78	1/2	901.60	1/2	1,205.17	1/2	1,505.85	1/2	1,809.63	1/2	2,113.49	1/2	2,417.31	1/2	2,721.10	1/2	3,024.03	1/2		1/2	
3/4	304.01	3/4	605.11	3/4	907.90	3/4	1,211.50	3/4	1,512.18	3/4	1,815.97	3/4	2,119.82	3/4	2,423.63	3/4	2,727.43	3/4	3,030.32	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) LOCATED 12'-09" OFF CENTERLINE AND 36'-00" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 38'-00" FORWARD OF AFT BULKHEAD.

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BARGE "MM 97B"
MAGNOLIA BARGE

4 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 1/4"

Table with 24 columns (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.) and multiple rows of capacity data.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 47'-06" FORWARD OF AFT BULKHEAD.
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BARGE "MM 97B" MAGNOLIA BARGE

**4 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 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	17.57	0	316.40	0	618.29	0	916.78	0	1,216.13	0	1,512.68	0	1,808.62	0	2,107.41	0	2,406.45	0	2,705.63	0	3,003.85	0	
1/4	22.85	1/4	322.76	1/4	624.53	1/4	922.99	1/4	1,222.25	1/4	1,518.85	1/4	1,814.80	1/4	2,113.64	1/4	2,412.68	1/4	2,711.86	1/4	3,010.04	1/4	
1/2	28.13	1/2	329.11	1/2	630.77	1/2	929.20	1/2	1,228.37	1/2	1,525.03	1/2	1,820.99	1/2	2,119.86	1/2	2,418.91	1/2	2,718.09	1/2	3,016.23	1/2	
3/4	33.41	3/4	335.47	3/4	637.02	3/4	935.42	3/4	1,234.49	3/4	1,531.20	3/4	1,827.17	3/4	2,126.09	3/4	2,425.15	3/4	2,724.33	3/4	3,022.43	3/4	
1	38.69	1	341.82	1	643.26	1	941.63	1	1,240.61	1	1,537.38	1	1,833.36	1	2,132.32	1	2,431.38	1	2,730.56	1	3,028.62	1	
1/4	44.98	1/4	348.18	1/4	649.50	1/4	947.85	1/4	1,246.73	1/4	1,543.54	1/4	1,839.54	1/4	2,138.54	1/4	2,437.61	1/4	2,736.79	1/4	3,034.81	1/4	
1/2	51.27	1/2	354.53	1/2	655.74	1/2	954.07	1/2	1,252.86	1/2	1,549.71	1/2	1,845.72	1/2	2,144.77	1/2	2,443.85	1/2	2,743.03	1/2	3,041.00	1/2	
3/4	57.55	3/4	360.88	3/4	661.99	3/4	960.29	3/4	1,258.98	3/4	1,555.87	3/4	1,851.91	3/4	2,151.00	3/4	2,450.08	3/4	2,749.26	3/4	3,047.20	3/4	
2	63.84	2	367.24	2	668.23	2	966.51	2	1,265.10	2	1,562.04	2	1,858.09	2	2,157.23	2	2,456.31	2	2,755.49	2	3,053.39	2	
1/4	70.16	1/4	373.59	1/4	674.47	1/4	972.73	1/4	1,271.21	1/4	1,568.18	1/4	1,864.33	1/4	2,163.45	1/4	2,462.55	1/4	2,761.72	1/4	3,059.58	1/4	
1/2	76.48	1/2	379.95	1/2	680.71	1/2	978.95	1/2	1,277.31	1/2	1,574.33	1/2	1,870.56	1/2	2,169.68	1/2	2,468.78	1/2	2,767.96	1/2	3,065.78	1/2	
3/4	82.80	3/4	386.30	3/4	686.96	3/4	985.18	3/4	1,283.42	3/4	1,580.47	3/4	1,876.80	3/4	2,175.91	3/4	2,475.01	3/4	2,774.19	3/4	3,071.97	3/4	
3	89.12	3	392.65	3	693.20	3	991.40	3	1,289.53	3	1,586.61	3	1,883.03	3	2,182.13	3	2,481.24	3	2,780.42	3	3,078.16	3	
1/4	95.45	1/4	398.94	1/4	699.41	1/4	997.64	1/4	1,295.64	1/4	1,592.77	1/4	1,889.27	1/4	2,188.36	1/4	2,487.48	1/4	2,786.66	1/4	3,084.36	1/4	
1/2	101.78	1/2	405.23	1/2	705.62	1/2	1,003.88	1/2	1,301.75	1/2	1,598.92	1/2	1,895.50	1/2	2,194.59	1/2	2,493.71	1/2	2,792.89	1/2	3,090.55	1/2	
3/4	108.11	3/4	411.51	3/4	711.83	3/4	1,010.12	3/4	1,307.86	3/4	1,605.08	3/4	1,901.74	3/4	2,200.82	3/4	2,499.94	3/4	2,799.12	3/4	3,096.74	3/4	
4	114.44	4	417.80	4	718.04	4	1,016.37	4	1,313.96	4	1,611.23	4	1,907.98	4	2,207.04	4	2,506.18	4	2,805.35	4	3,102.93	4	
1/4	120.78	1/4	424.09	1/4	724.25	1/4	1,022.61	1/4	1,320.08	1/4	1,617.39	1/4	1,914.21	1/4	2,213.27	1/4	2,512.41	1/4	2,811.59	1/4	3,109.13	1/4	
1/2	127.12	1/2	430.38	1/2	730.46	1/2	1,028.85	1/2	1,326.20	1/2	1,623.56	1/2	1,920.45	1/2	2,219.50	1/2	2,518.64	1/2	2,817.82	1/2	3,115.32	1/2	
3/4	133.47	3/4	436.66	3/4	736.67	3/4	1,035.09	3/4	1,332.33	3/4	1,629.72	3/4	1,926.68	3/4	2,225.72	3/4	2,524.87	3/4	2,824.05	3/4	3,121.51	3/4	
5	139.81	5	442.95	5	742.88	5	1,041.34	5	1,338.45	5	1,635.88	5	1,932.92	5	2,231.95	5	2,531.11	5	2,830.29	5	3,127.71	5	
1/4	146.13	1/4	449.24	1/4	749.09	1/4	1,047.58	1/4	1,344.57	1/4	1,642.04	1/4	1,939.15	1/4	2,238.18	1/4	2,537.34	1/4	2,836.52	1/4	3,133.48	1/4	
1/2	152.45	1/2	455.53	1/2	755.30	1/2	1,053.82	1/2	1,350.69	1/2	1,648.21	1/2	1,945.39	1/2	2,244.42	1/2	2,543.57	1/2	2,842.75	1/2	3,139.25	1/2	
3/4	158.76	3/4	461.81	3/4	761.51	3/4	1,060.06	3/4	1,356.81	3/4	1,654.37	3/4	1,951.62	3/4	2,250.65	3/4	2,549.81	3/4	2,848.98	3/4	3,145.03	3/4	
6	165.08	6	468.10	6	767.72	6	1,066.31	6	1,362.93	6	1,660.53	6	1,957.86	6	2,256.89	6	2,556.04	6	2,855.22	6	3,150.80	6	
1/4	171.36	1/4	474.39	1/4	773.93	1/4	1,072.55	1/4	1,369.17	1/4	1,666.70	1/4	1,964.09	1/4	2,263.12	1/4	2,562.27	1/4	2,861.41	1/4	3,155.52	1/4	
1/2	177.64	1/2	480.68	1/2	780.14	1/2	1,078.79	1/2	1,375.41	1/2	1,672.86	1/2	1,970.33	1/2	2,269.35	1/2	2,568.50	1/2	2,867.60	1/2	3,160.25	1/2	
3/4	183.92	3/4	486.97	3/4	786.34	3/4	1,085.03	3/4	1,381.65	3/4	1,679.02	3/4	1,976.57	3/4	2,275.59	3/4	2,574.74	3/4	2,873.80	3/4	3,164.97	3/4	
7	190.20	7	493.26	7	792.55	7	1,091.28	7	1,387.89	7	1,685.19	7	1,982.80	7	2,281.82	7	2,580.97	7	2,879.99	7	3,169.69	7	
1/4	196.48	1/4	499.55	1/4	798.76	1/4	1,097.52	1/4	1,394.13	1/4	1,691.35	1/4	1,989.04	1/4	2,288.06	1/4	2,587.20	1/4	2,886.18	1/4	3,173.37	1/4	
1/2	202.76	1/2	505.84	1/2	804.97	1/2	1,103.76	1/2	1,400.37	1/2	1,697.51	1/2	1,995.27	1/2	2,294.29	1/2	2,593.44	1/2	2,892.38	1/2		1/2	
3/4	209.04	3/4	512.12	3/4	811.18	3/4	1,110.01	3/4	1,406.60	3/4	1,703.68	3/4	2,001.51	3/4	2,300.52	3/4	2,599.67	3/4	2,898.57	3/4		3/4	
8	215.32	8	518.41	8	817.39	8	1,116.25	8	1,412.84	8	1,709.84	8	2,007.74	8	2,306.76	8	2,605.90	8	2,904.76	8		8	
1/4	221.60	1/4	524.66	1/4	823.60	1/4	1,122.49	1/4	1,419.08	1/4	1,716.00	1/4	2,013.98	1/4	2,312.99	1/4	2,612.13	1/4	2,910.95	1/4		1/4	
1/2	227.88	1/2	530.90	1/2	829.81	1/2	1,128.73	1/2	1,425.32	1/2	1,722.17	1/2	2,020.21	1/2	2,319.23	1/2	2,618.37	1/2	2,917.15	1/2		1/2	
3/4	234.16	3/4	537.14	3/4	836.02	3/4	1,134.98	3/4	1,431.56	3/4	1,728.33	3/4	2,026.45	3/4	2,325.46	3/4	2,624.60	3/4	2,923.34	3/4		3/4	
9	240.44	9	543.38	9	842.23	9	1,141.22	9	1,437.80	9	1,734.49	9	2,032.68	9	2,331.69	9	2,630.83	9	2,929.53	9		9	
1/4	246.73	1/4	549.62	1/4	848.44	1/4	1,147.46	1/4	1,444.04	1/4	1,740.65	1/4	2,038.91	1/4	2,337.93	1/4	2,637.07	1/4	2,935.73	1/4		1/4	
1/2	253.02	1/2	555.87	1/2	854.65	1/2	1,153.70	1/2	1,450.28	1/2	1,746.82	1/2	2,045.14	1/2	2,344.16	1/2	2,643.30	1/2	2,941.92	1/2		1/2	
3/4	259.31	3/4	562.11	3/4	860.86	3/4	1,159.95	3/4	1,456.52	3/4	1,752.98	3/4	2,051.37	3/4	2,350.40	3/4	2,649.53	3/4	2,948.11	3/4		3/4	
10	265.60	10	568.35	10	867.07	10	1,166.19	10	1,462.76	10	1,759.14	10	2,057.59	10	2,356.63	10	2,655.76	10	2,954.30	10		10	
1/4	271.96	1/4	574.59	1/4	873.28	1/4	1,172.43	1/4	1,469.00	1/4	1,765.33	1/4	2,063.82	1/4	2,362.86	1/4	2,662.00	1/4	2,960.50	1/4		1/4	
1/2	278.31	1/2	580.84	1/2	879.50	1/2	1,178.67	1/2	1,475.24	1/2	1,771.51	1/2	2,070.05	1/2	2,369.08	1/2	2,668.23	1/2	2,966.69	1/2		1/2	
3/4	284.67	3/4	587.08	3/4	885.71	3/4	1,184.92	3/4	1,481.48	3/4	1,777.70	3/4	2,076.27	3/4	2,375.31	3/4	2,674.46	3/4	2,972.88	3/4		3/4	
11	291.02	11	593.32	11	891.92	11	1,191.16	11	1,487.72	11	1,783.88	11	2,082.50	11	2,381.54	11	2,680.70	11	2,979.08	11		11	
1/4	297.37	1/4	599.56	1/4	898.14	1/4	1,197.40	1/4	1,493.96	1/4	1,790.07	1/4	2,088.73	1/4	2,387.77	1/4	2,686.93	1/4	2,985.27	1/4		1/4	
1/2	303.71	1/2	605.81	1/2	904.35	1/2	1,203.64	1/2	1,500.20	1/2	1,796.25	1/2	2,094.95	1/2	2,393.99	1/2	2,693.16	1/2	2,991.46	1/2		1/2	
3/4	310.06	3/4	612.05	3/4	910.56	3/4	1,209.89	3/4	1,506.44	3/4	1,802.43	3/4	2,101.18	3/4	2,400.22	3/4	2,699.40	3/4	2,997.65	3/4		3/4	

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