



BARGE "MM 95"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4
2 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4
3 PORT	- 00-0/8	00-0/8	- 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
3 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	- 00-1/8	00-1/8	- 00-1/8	00-1/8
4 PORT	- 00-3/4	00-3/4	- 01-1/2	01-1/2	- 02-1/4	02-1/4	- 03-0/8	03-0/8	- 03-3/4	03-3/4	- 04-1/2	04-1/2
4 STBD	- 00-3/4	00-3/4	- 01-1/2	01-1/2	- 02-1/4	02-1/4	- 03-0/8	03-0/8	- 03-3/4	03-3/4	- 04-1/2	04-1/2

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

LENGTH BETWEEN DRAFT MARKS: 237'-00"

May 24, 2013

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

<http://www.pmacorp.net>



BARGE "MM 95" MAGNOLIA BARGE

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	14.86	0	199.13	0	436.99	0	688.18	0	940.77	0	1,193.45	0	1,446.88	0	1,700.38	0	1,953.83	0	2,207.29	0	2,459.78
1/4	17.48	1/4	203.51	1/4	442.27	1/4	693.39	1/4	946.02	1/4	1,198.73	1/4	1,452.16	1/4	1,705.66	1/4	1,959.11	1/4	2,212.57	1/4	2,465.02
1/2	20.09	1/2	207.90	1/2	447.56	1/2	698.61	1/2	951.27	1/2	1,204.01	1/2	1,457.44	1/2	1,710.94	1/2	1,964.39	1/2	2,217.85	1/2	2,470.26
3/4	22.71	3/4	212.28	3/4	452.84	3/4	703.83	3/4	956.52	3/4	1,209.29	3/4	1,462.72	3/4	1,716.22	3/4	1,969.67	3/4	2,223.13	3/4	2,475.50
1	25.33	1	216.67	1	458.12	1	709.05	1	961.76	1	1,214.58	1	1,468.00	1	1,721.51	1	1,974.95	1	2,228.41	1	2,480.75
1/4	28.74	1/4	221.14	1/4	463.40	1/4	714.28	1/4	967.01	1/4	1,219.86	1/4	1,473.29	1/4	1,726.79	1/4	1,980.23	1/4	2,233.69	1/4	2,485.99
1/2	32.16	1/2	225.60	1/2	468.69	1/2	719.51	1/2	972.26	1/2	1,225.14	1/2	1,478.57	1/2	1,732.07	1/2	1,985.51	1/2	2,238.97	1/2	2,491.23
3/4	35.57	3/4	230.07	3/4	473.97	3/4	724.73	3/4	977.51	3/4	1,230.42	3/4	1,483.85	3/4	1,737.35	3/4	1,990.79	3/4	2,244.25	3/4	2,496.47
2	38.99	2	234.54	2	479.25	2	729.96	2	982.76	2	1,235.70	2	1,489.13	2	1,742.63	2	1,996.07	2	2,249.53	2	2,501.71
1/4	42.51	1/4	239.09	1/4	484.53	1/4	735.19	1/4	988.00	1/4	1,240.97	1/4	1,494.41	1/4	1,747.91	1/4	2,001.36	1/4	2,254.81	1/4	2,506.95
1/2	46.04	1/2	243.64	1/2	489.82	1/2	740.41	1/2	993.24	1/2	1,246.25	1/2	1,499.69	1/2	1,753.19	1/2	2,006.64	1/2	2,260.09	1/2	2,512.19
3/4	49.56	3/4	248.18	3/4	495.10	3/4	745.64	3/4	998.49	3/4	1,251.52	3/4	1,504.97	3/4	1,758.48	3/4	2,011.92	3/4	2,265.37	3/4	2,517.43
3	53.09	3	252.73	3	500.38	3	750.87	3	1,003.73	3	1,256.79	3	1,510.25	3	1,763.76	3	2,017.20	3	2,270.65	3	2,522.67
1/4	56.70	1/4	257.57	1/4	505.60	1/4	756.12	1/4	1,008.98	1/4	1,262.06	1/4	1,515.54	1/4	1,769.04	1/4	2,022.48	1/4	2,275.93	1/4	2,527.91
1/2	60.32	1/2	262.40	1/2	510.81	1/2	761.36	1/2	1,014.22	1/2	1,267.33	1/2	1,520.82	1/2	1,774.32	1/2	2,027.76	1/2	2,281.21	1/2	2,533.15
3/4	63.93	3/4	267.23	3/4	516.03	3/4	766.61	3/4	1,019.46	3/4	1,272.61	3/4	1,526.10	3/4	1,779.60	3/4	2,033.04	3/4	2,286.49	3/4	2,538.39
4	67.55	4	272.06	4	521.25	4	771.86	4	1,024.71	4	1,277.88	4	1,531.38	4	1,784.88	4	2,038.32	4	2,291.77	4	2,543.63
1/4	71.25	1/4	276.97	1/4	526.46	1/4	777.11	1/4	1,029.96	1/4	1,283.16	1/4	1,536.66	1/4	1,790.16	1/4	2,043.60	1/4	2,297.05	1/4	2,548.87
1/2	74.96	1/2	281.88	1/2	531.68	1/2	782.36	1/2	1,035.20	1/2	1,288.44	1/2	1,541.94	1/2	1,795.44	1/2	2,048.88	1/2	2,302.33	1/2	2,554.11
3/4	78.67	3/4	286.80	3/4	536.89	3/4	787.61	3/4	1,040.45	3/4	1,293.72	3/4	1,547.22	3/4	1,800.73	3/4	2,054.16	3/4	2,307.61	3/4	2,559.35
5	82.37	5	291.71	5	542.11	5	792.86	5	1,045.70	5	1,299.00	5	1,552.50	5	1,806.01	5	2,059.44	5	2,312.89	5	2,564.59
1/4	86.27	1/4	296.71	1/4	547.32	1/4	798.14	1/4	1,050.95	1/4	1,304.28	1/4	1,557.79	1/4	1,811.29	1/4	2,064.72	1/4	2,318.17	1/4	2,569.43
1/2	90.16	1/2	301.70	1/2	552.54	1/2	803.42	1/2	1,056.19	1/2	1,309.56	1/2	1,563.07	1/2	1,816.57	1/2	2,070.00	1/2	2,323.45	1/2	2,574.27
3/4	94.06	3/4	306.70	3/4	557.75	3/4	808.70	3/4	1,061.44	3/4	1,314.85	3/4	1,568.35	3/4	1,821.85	3/4	2,075.28	3/4	2,328.73	3/4	2,579.12
6	97.96	6	311.69	6	562.97	6	813.99	6	1,066.69	6	1,320.13	6	1,573.63	6	1,827.13	6	2,080.56	6	2,334.01	6	2,583.96
1/4	102.03	1/4	316.77	1/4	568.18	1/4	819.27	1/4	1,071.97	1/4	1,325.41	1/4	1,578.91	1/4	1,832.41	1/4	2,085.84	1/4	2,339.25	1/4	2,587.92
1/2	106.10	1/2	321.85	1/2	573.40	1/2	824.55	1/2	1,077.25	1/2	1,330.69	1/2	1,584.19	1/2	1,837.69	1/2	2,091.12	1/2	2,344.49	1/2	2,591.88
3/4	110.17	3/4	326.92	3/4	578.62	3/4	829.84	3/4	1,082.54	3/4	1,335.97	3/4	1,589.47	3/4	1,842.98	3/4	2,096.40	3/4	2,349.74	3/4	2,595.84
7	114.24	7	332.00	7	583.83	7	835.12	7	1,087.82	7	1,341.25	7	1,594.75	7	1,848.26	7	2,101.68	7	2,354.98	7	2,599.80
1/4	118.40	1/4	337.16	1/4	589.05	1/4	840.40	1/4	1,093.10	1/4	1,346.53	1/4	1,600.04	1/4	1,853.54	1/4	2,106.96	1/4	2,360.22	1/4	2,602.88
1/2	122.55	1/2	342.32	1/2	594.26	1/2	845.68	1/2	1,098.38	1/2	1,351.82	1/2	1,605.32	1/2	1,858.82	1/2	2,112.24	1/2	2,365.46	1/2	2,607.84
3/4	126.71	3/4	347.48	3/4	599.48	3/4	850.97	3/4	1,103.66	3/4	1,357.10	3/4	1,610.60	3/4	1,864.10	3/4	2,117.52	3/4	2,370.70	3/4	2,612.80
8	130.86	8	352.64	8	604.69	8	856.25	8	1,108.94	8	1,362.38	8	1,615.88	8	1,869.38	8	2,122.80	8	2,375.94	8	2,617.84
1/4	135.10	1/4	357.88	1/4	609.91	1/4	861.53	1/4	1,114.22	1/4	1,367.66	1/4	1,621.16	1/4	1,874.66	1/4	2,128.08	1/4	2,381.18	1/4	2,622.88
1/2	139.33	1/2	363.12	1/2	615.12	1/2	866.81	1/2	1,119.51	1/2	1,372.94	1/2	1,626.44	1/2	1,879.95	1/2	2,133.36	1/2	2,386.42	1/2	2,627.92
3/4	143.57	3/4	368.36	3/4	620.34	3/4	872.10	3/4	1,124.79	3/4	1,378.22	3/4	1,631.72	3/4	1,885.23	3/4	2,138.64	3/4	2,391.66	3/4	2,632.96
9	147.80	9	373.60	9	625.55	9	877.38	9	1,130.07	9	1,383.50	9	1,637.01	9	1,890.51	9	2,143.92	9	2,396.90	9	2,638.00
1/4	152.13	1/4	378.89	1/4	630.77	1/4	882.66	1/4	1,135.35	1/4	1,388.78	1/4	1,642.29	1/4	1,895.79	1/4	2,149.20	1/4	2,402.14	1/4	2,643.04
1/2	156.46	1/2	384.17	1/2	635.99	1/2	887.95	1/2	1,140.63	1/2	1,394.07	1/2	1,647.57	1/2	1,901.07	1/2	2,154.48	1/2	2,407.38	1/2	2,648.08
3/4	160.79	3/4	389.45	3/4	641.20	3/4	893.23	3/4	1,145.91	3/4	1,399.35	3/4	1,652.85	3/4	1,906.35	3/4	2,159.76	3/4	2,412.62	3/4	2,653.12
10	165.12	10	394.73	10	646.42	10	898.51	10	1,151.20	10	1,404.63	10	1,658.13	10	1,911.63	10	2,165.04	10	2,417.86	10	2,658.16
1/4	169.33	1/4	400.01	1/4	651.64	1/4	903.79	1/4	1,156.48	1/4	1,409.91	1/4	1,663.41	1/4	1,916.91	1/4	2,170.32	1/4	2,423.10	1/4	2,663.20
1/2	173.54	1/2	405.30	1/2	656.86	1/2	909.08	1/2	1,161.76	1/2	1,415.19	1/2	1,668.69	1/2	1,922.18	1/2	2,175.61	1/2	2,428.34	1/2	2,668.24
3/4	177.75	3/4	410.58	3/4	662.08	3/4	914.36	3/4	1,167.04	3/4	1,420.47	3/4	1,673.97	3/4	1,927.46	3/4	2,180.89	3/4	2,433.58	3/4	2,673.28
11	181.96	11	415.86	11	667.30	11	919.64	11	1,172.32	11	1,425.75	11	1,679.26	11	1,932.73	11	2,186.17	11	2,438.82	11	2,678.32
1/4	186.25	1/4	421.14	1/4	672.52	1/4	924.92	1/4	1,177.60	1/4	1,431.03	1/4	1,684.54	1/4	1,938.01	1/4	2,191.45	1/4	2,444.06	1/4	2,683.36
1/2	190.54	1/2	426.43	1/2	677.74	1/2	930.21	1/2	1,182.89	1/2	1,436.32	1/2	1,689.82	1/2	1,943.28	1/2	2,196.73	1/2	2,449.30	1/2	2,688.40
3/4	194.84	3/4	431.71	3/4	682.96	3/4	935.49	3/4	1,188.17	3/4	1,441.60	3/4	1,695.10	3/4	1,948.56	3/4	2,202.01	3/4	2,454.54	3/4	2,693.44

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 30'-03" FORWARD OF AFT BULKHEAD.
 GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 32'-03" FORWARD OF AFT BULKHEAD

STRAPPED: 05/24/2013 SW
 CALCULATED: 05/27/2013 CL
 PRINTED: 05/28/2013 SW

CANCELS AND SUPERCEDES
 ALL PRIOR TO 05/2013

PRECISION MEASUREMENT
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BARGE "MM 95" MAGNOLIA BARGE

1 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.
0	14.86	0	199.19	0	437.07	0	689.48	0	942.75	0	1,195.43	0	1,448.87	0	1,702.37	0	1,955.82	0	2,209.27	0	2,461.77
1/4	17.48	1/4	203.58	1/4	442.36	1/4	694.74	1/4	948.00	1/4	1,200.72	1/4	1,454.15	1/4	1,707.65	1/4	1,961.10	1/4	2,214.55	1/4	2,467.01
1/2	20.10	1/2	207.97	1/2	447.64	1/2	699.99	1/2	953.25	1/2	1,206.00	1/2	1,459.43	1/2	1,712.93	1/2	1,966.38	1/2	2,219.84	1/2	2,472.25
3/4	22.71	3/4	212.35	3/4	452.92	3/4	705.24	3/4	958.50	3/4	1,211.28	3/4	1,464.71	3/4	1,718.21	3/4	1,971.66	3/4	2,225.12	3/4	2,477.49
1	25.33	1	216.74	1	458.20	1	710.49	1	963.75	1	1,216.56	1	1,469.99	1	1,723.49	1	1,976.94	1	2,230.40	1	2,482.73
1/4	28.75	1/4	221.21	1/4	463.48	1/4	715.76	1/4	969.00	1/4	1,221.84	1/4	1,475.27	1/4	1,728.78	1/4	1,982.22	1/4	2,235.68	1/4	2,487.97
1/2	32.17	1/2	225.67	1/2	468.77	1/2	721.02	1/2	974.25	1/2	1,227.12	1/2	1,480.55	1/2	1,734.06	1/2	1,987.50	1/2	2,240.96	1/2	2,493.21
3/4	35.58	3/4	230.14	3/4	474.05	3/4	726.28	3/4	979.49	3/4	1,232.40	3/4	1,485.84	3/4	1,739.34	3/4	1,992.78	3/4	2,246.24	3/4	2,498.45
2	39.00	2	234.61	2	479.33	2	731.54	2	984.74	2	1,237.69	2	1,491.12	2	1,744.62	2	1,998.06	2	2,251.52	2	2,503.69
1/4	42.53	1/4	239.16	1/4	484.61	1/4	736.80	1/4	989.99	1/4	1,242.96	1/4	1,496.40	1/4	1,749.90	1/4	2,003.34	1/4	2,256.80	1/4	2,508.93
1/2	46.06	1/2	243.71	1/2	489.90	1/2	742.06	1/2	995.23	1/2	1,248.23	1/2	1,501.68	1/2	1,755.18	1/2	2,008.62	1/2	2,262.08	1/2	2,514.18
3/4	49.58	3/4	248.26	3/4	495.18	3/4	747.32	3/4	1,000.47	3/4	1,253.50	3/4	1,506.96	3/4	1,760.46	3/4	2,013.90	3/4	2,267.36	3/4	2,519.42
3	53.11	3	252.81	3	500.46	3	752.58	3	1,005.72	3	1,258.78	3	1,512.24	3	1,765.74	3	2,019.18	3	2,272.64	3	2,524.66
1/4	56.73	1/4	257.64	1/4	505.71	1/4	757.86	1/4	1,010.96	1/4	1,264.05	1/4	1,517.52	1/4	1,771.03	1/4	2,024.46	1/4	2,277.92	1/4	2,529.90
1/2	60.34	1/2	262.47	1/2	510.96	1/2	763.15	1/2	1,016.21	1/2	1,269.32	1/2	1,522.80	1/2	1,776.31	1/2	2,029.74	1/2	2,283.20	1/2	2,535.14
3/4	63.96	3/4	267.31	3/4	516.22	3/4	768.43	3/4	1,021.45	3/4	1,274.59	3/4	1,528.09	3/4	1,781.59	3/4	2,035.02	3/4	2,288.48	3/4	2,540.38
4	67.57	4	272.14	4	521.47	4	773.71	4	1,026.70	4	1,279.86	4	1,533.37	4	1,786.87	4	2,040.30	4	2,293.76	4	2,545.62
1/4	71.28	1/4	277.05	1/4	526.72	1/4	778.99	1/4	1,031.94	1/4	1,285.15	1/4	1,538.65	1/4	1,792.15	1/4	2,045.59	1/4	2,299.04	1/4	2,550.86
1/2	74.99	1/2	281.96	1/2	531.96	1/2	784.28	1/2	1,037.19	1/2	1,290.43	1/2	1,543.93	1/2	1,797.43	1/2	2,050.87	1/2	2,304.32	1/2	2,556.10
3/4	78.70	3/4	286.88	3/4	537.21	3/4	789.56	3/4	1,042.44	3/4	1,295.71	3/4	1,549.21	3/4	1,802.71	3/4	2,056.15	3/4	2,309.60	3/4	2,561.34
5	82.41	5	291.79	5	542.46	5	794.84	5	1,047.69	5	1,300.99	5	1,554.49	5	1,807.99	5	2,061.43	5	2,314.88	5	2,566.58
1/4	86.30	1/4	296.79	1/4	547.71	1/4	800.12	1/4	1,052.93	1/4	1,306.27	1/4	1,559.77	1/4	1,813.28	1/4	2,066.71	1/4	2,320.16	1/4	2,571.42
1/2	90.20	1/2	301.78	1/2	552.96	1/2	805.41	1/2	1,058.18	1/2	1,311.55	1/2	1,565.05	1/2	1,818.56	1/2	2,071.99	1/2	2,325.44	1/2	2,576.26
3/4	94.10	3/4	306.78	3/4	558.21	3/4	810.69	3/4	1,063.43	3/4	1,316.83	3/4	1,570.34	3/4	1,823.84	3/4	2,077.27	3/4	2,330.72	3/4	2,581.10
6	98.00	6	311.77	6	563.46	6	815.97	6	1,068.68	6	1,322.11	6	1,575.62	6	1,829.12	6	2,082.55	6	2,336.00	6	2,585.94
1/4	102.07	1/4	316.85	1/4	568.71	1/4	821.26	1/4	1,073.96	1/4	1,327.40	1/4	1,580.90	1/4	1,834.40	1/4	2,087.83	1/4	2,341.24	1/4	2,589.90
1/2	106.14	1/2	321.93	1/2	573.96	1/2	826.54	1/2	1,079.24	1/2	1,332.68	1/2	1,586.18	1/2	1,839.68	1/2	2,093.11	1/2	2,346.48	1/2	2,593.86
3/4	110.21	3/4	327.00	3/4	579.21	3/4	831.82	3/4	1,084.52	3/4	1,337.96	3/4	1,591.46	3/4	1,844.96	3/4	2,098.39	3/4	2,351.72	3/4	2,597.82
7	114.29	7	332.08	7	584.46	7	837.10	7	1,089.80	7	1,343.24	7	1,596.74	7	1,850.24	7	2,103.67	7	2,356.96	7	2,601.78
1/4	118.44	1/4	337.24	1/4	589.71	1/4	842.39	1/4	1,095.09	1/4	1,348.52	1/4	1,602.02	1/4	1,855.53	1/4	2,108.95	1/4	2,362.20	1/4	2,604.86
1/2	122.60	1/2	342.40	1/2	594.96	1/2	847.67	1/2	1,100.37	1/2	1,353.80	1/2	1,607.31	1/2	1,860.81	1/2	2,114.23	1/2	2,367.44	1/2	2,607.94
3/4	126.75	3/4	347.56	3/4	600.20	3/4	852.95	3/4	1,105.65	3/4	1,359.08	3/4	1,612.59	3/4	1,866.09	3/4	2,119.51	3/4	2,372.68	3/4	2,611.02
8	130.91	8	352.72	8	605.45	8	858.23	8	1,110.93	8	1,364.37	8	1,617.87	8	1,871.37	8	2,124.79	8	2,377.92	8	2,614.10
1/4	135.15	1/4	357.96	1/4	610.70	1/4	863.52	1/4	1,116.21	1/4	1,369.65	1/4	1,623.15	1/4	1,876.65	1/4	2,130.07	1/4	2,383.17	1/4	2,617.18
1/2	139.38	1/2	363.20	1/2	615.95	1/2	868.80	1/2	1,121.49	1/2	1,374.93	1/2	1,628.43	1/2	1,881.93	1/2	2,135.35	1/2	2,388.41	1/2	2,620.26
3/4	143.62	3/4	368.44	3/4	621.20	3/4	874.08	3/4	1,126.77	3/4	1,380.21	3/4	1,633.71	3/4	1,887.21	3/4	2,140.63	3/4	2,393.65	3/4	2,623.34
9	147.86	9	373.69	9	626.45	9	879.36	9	1,132.06	9	1,385.49	9	1,638.99	9	1,892.50	9	2,145.91	9	2,398.89	9	2,626.42
1/4	152.19	1/4	378.97	1/4	631.70	1/4	884.65	1/4	1,137.34	1/4	1,390.77	1/4	1,644.27	1/4	1,897.78	1/4	2,151.19	1/4	2,404.13	1/4	2,629.50
1/2	156.51	1/2	384.25	1/2	636.95	1/2	889.93	1/2	1,142.62	1/2	1,396.05	1/2	1,649.56	1/2	1,903.06	1/2	2,156.47	1/2	2,409.37	1/2	2,632.58
3/4	160.84	3/4	389.53	3/4	642.21	3/4	895.21	3/4	1,147.90	3/4	1,401.33	3/4	1,654.84	3/4	1,908.34	3/4	2,161.75	3/4	2,414.61	3/4	2,635.66
10	165.17	10	394.81	10	647.46	10	900.49	10	1,153.18	10	1,406.62	10	1,660.12	10	1,913.62	10	2,167.03	10	2,419.85	10	2,638.74
1/4	169.38	1/4	400.10	1/4	652.71	1/4	905.78	1/4	1,158.46	1/4	1,411.90	1/4	1,665.40	1/4	1,918.90	1/4	2,172.31	1/4	2,425.09	1/4	2,641.82
1/2	173.60	1/2	405.38	1/2	657.96	1/2	911.06	1/2	1,163.75	1/2	1,417.18	1/2	1,670.68	1/2	1,924.17	1/2	2,177.59	1/2	2,430.33	1/2	2,644.90
3/4	177.81	3/4	410.66	3/4	663.22	3/4	916.34	3/4	1,169.03	3/4	1,422.46	3/4	1,675.96	3/4	1,929.45	3/4	2,182.87	3/4	2,435.57	3/4	2,647.98
11	182.02	11	415.94	11	668.47	11	921.62	11	1,174.31	11	1,427.74	11	1,681.24	11	1,934.72	11	2,188.15	11	2,440.81	11	2,651.06
1/4	186.31	1/4	421.23	1/4	673.72	1/4	926.91	1/4	1,179.59	1/4	1,433.02	1/4	1,686.52	1/4	1,940.00	1/4	2,193.43	1/4	2,446.05	1/4	2,654.14
1/2	190.61	1/2	426.51	1/2	678.98	1/2	932.19	1/2	1,184.87	1/2	1,438.30	1/2	1,691.81	1/2	1,945.27	1/2	2,198.71	1/2	2,451.29	1/2	2,657.22
3/4	194.90	3/4	431.79	3/4	684.23	3/4	937.47	3/4	1,190.15	3/4	1,443.58	3/4	1,697.09	3/4	1,950.55	3/4	2,203.99	3/4	2,456.53	3/4	2,660.30

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 30'-03" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 32'-03" FORWARD OF AFT BULKHEAD

STRAPPED: 05/24/2013 SW
CALCULATED: 05/27/2013 CL
PRINTED: 05/28/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "MM 95" MAGNOLIA BARGE

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07"

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.
0	16.21	0	283.00	0	558.28	0	825.32	0	1,097.55	0	1,372.22	0	1,650.00	0	1,927.85	0	2,205.66	0	2,483.46	0	2,760.30
1/4	20.93	1/4	288.57	1/4	564.07	1/4	830.81	1/4	1,103.21	1/4	1,378.01	1/4	1,655.79	1/4	1,933.64	1/4	2,211.44	1/4	2,489.25	1/4	2,766.05
1/2	25.64	1/2	294.14	1/2	569.86	1/2	836.31	1/2	1,108.87	1/2	1,383.80	1/2	1,661.58	1/2	1,939.43	1/2	2,217.23	1/2	2,495.04	1/2	2,771.80
3/4	30.35	3/4	299.71	3/4	575.65	3/4	841.80	3/4	1,114.53	3/4	1,389.59	3/4	1,667.37	3/4	1,945.22	3/4	2,223.02	3/4	2,500.82	3/4	2,777.54
1	35.06	1	305.28	1	581.44	1	847.29	1	1,120.18	1	1,395.37	1	1,673.16	1	1,951.01	1	2,228.81	1	2,506.61	1	2,783.29
1/4	40.56	1/4	310.85	1/4	587.23	1/4	852.78	1/4	1,125.84	1/4	1,401.16	1/4	1,678.94	1/4	1,956.80	1/4	2,234.59	1/4	2,512.40	1/4	2,789.04
1/2	46.06	1/2	316.43	1/2	593.02	1/2	858.28	1/2	1,131.50	1/2	1,406.95	1/2	1,684.73	1/2	1,962.59	1/2	2,240.38	1/2	2,518.19	1/2	2,794.79
3/4	51.56	3/4	322.00	3/4	598.81	3/4	863.78	3/4	1,137.15	3/4	1,412.74	3/4	1,690.52	3/4	1,968.37	3/4	2,246.17	3/4	2,523.97	3/4	2,800.53
2	57.05	2	327.57	2	604.60	2	869.28	2	1,142.81	2	1,418.53	2	1,696.31	2	1,974.16	2	2,251.96	2	2,529.76	2	2,806.28
1/4	62.58	1/4	333.14	1/4	610.39	1/4	874.78	1/4	1,148.46	1/4	1,424.31	1/4	1,702.10	1/4	1,979.95	1/4	2,257.74	1/4	2,535.55	1/4	2,812.03
1/2	68.11	1/2	338.71	1/2	616.18	1/2	880.28	1/2	1,154.12	1/2	1,430.09	1/2	1,707.89	1/2	1,985.74	1/2	2,263.53	1/2	2,541.34	1/2	2,817.78
3/4	73.64	3/4	344.28	3/4	621.97	3/4	885.77	3/4	1,159.77	3/4	1,435.87	3/4	1,713.68	3/4	1,991.53	3/4	2,269.32	3/4	2,547.12	3/4	2,823.52
3	79.17	3	349.85	3	627.76	3	891.27	3	1,165.42	3	1,441.65	3	1,719.47	3	1,997.32	3	2,275.11	3	2,552.91	3	2,829.27
1/4	84.70	1/4	355.64	1/4	633.25	1/4	896.79	1/4	1,171.07	1/4	1,447.43	1/4	1,725.25	1/4	2,003.11	1/4	2,280.89	1/4	2,558.70	1/4	2,835.02
1/2	90.24	1/2	361.43	1/2	638.74	1/2	902.31	1/2	1,176.73	1/2	1,453.21	1/2	1,731.04	1/2	2,008.90	1/2	2,286.68	1/2	2,564.49	1/2	2,840.77
3/4	95.78	3/4	367.22	3/4	644.22	3/4	907.83	3/4	1,182.38	3/4	1,458.99	3/4	1,736.83	3/4	2,014.68	3/4	2,292.47	3/4	2,570.27	3/4	2,846.51
4	101.31	4	373.01	4	649.71	4	913.35	4	1,188.03	4	1,464.77	4	1,742.62	4	2,020.47	4	2,298.26	4	2,576.06	4	2,852.26
1/4	106.86	1/4	378.80	1/4	655.20	1/4	918.87	1/4	1,193.69	1/4	1,470.56	1/4	1,748.41	1/4	2,026.26	1/4	2,304.04	1/4	2,581.85	1/4	2,858.01
1/2	112.41	1/2	384.59	1/2	660.69	1/2	924.39	1/2	1,199.35	1/2	1,476.34	1/2	1,754.20	1/2	2,032.05	1/2	2,309.83	1/2	2,587.64	1/2	2,863.76
3/4	117.96	3/4	390.38	3/4	666.17	3/4	929.91	3/4	1,205.00	3/4	1,482.13	3/4	1,759.99	3/4	2,037.84	3/4	2,315.62	3/4	2,593.42	3/4	2,869.50
5	123.51	5	396.17	5	671.66	5	935.43	5	1,210.66	5	1,487.92	5	1,765.77	5	2,043.63	5	2,321.41	5	2,599.21	5	2,875.25
1/4	129.17	1/4	401.96	1/4	677.15	1/4	941.22	1/4	1,216.32	1/4	1,493.71	1/4	1,771.56	1/4	2,049.42	1/4	2,327.19	1/4	2,605.00	1/4	2,880.56
1/2	134.84	1/2	407.75	1/2	682.63	1/2	947.01	1/2	1,221.97	1/2	1,499.50	1/2	1,777.35	1/2	2,055.20	1/2	2,332.98	1/2	2,610.79	1/2	2,885.86
3/4	140.50	3/4	413.54	3/4	688.12	3/4	952.80	3/4	1,227.63	3/4	1,505.29	3/4	1,783.14	3/4	2,060.99	3/4	2,338.77	3/4	2,616.57	3/4	2,891.17
6	146.17	6	419.33	6	693.61	6	958.59	6	1,233.29	6	1,511.08	6	1,788.93	6	2,066.78	6	2,344.56	6	2,622.36	6	2,896.47
1/4	151.94	1/4	425.12	1/4	699.09	1/4	964.38	1/4	1,239.08	1/4	1,516.86	1/4	1,794.72	1/4	2,072.57	1/4	2,350.35	1/4	2,628.11	1/4	2,900.81
1/2	157.71	1/2	430.91	1/2	704.58	1/2	970.17	1/2	1,244.87	1/2	1,522.65	1/2	1,800.51	1/2	2,078.36	1/2	2,356.13	1/2	2,633.86	1/2	2,905.16
3/4	163.48	3/4	436.70	3/4	710.06	3/4	975.96	3/4	1,250.65	3/4	1,528.44	3/4	1,806.29	3/4	2,084.15	3/4	2,361.92	3/4	2,639.60	3/4	2,909.50
7	169.24	7	442.49	7	715.55	7	981.75	7	1,256.44	7	1,534.23	7	1,812.08	7	2,089.94	7	2,367.71	7	2,645.35	7	2,913.84
1/4	175.01	1/4	448.28	1/4	721.04	1/4	987.54	1/4	1,262.23	1/4	1,540.02	1/4	1,817.87	1/4	2,095.72	1/4	2,373.50	1/4	2,651.10	1/4	2,917.21
1/2	180.78	1/2	454.07	1/2	726.52	1/2	993.33	1/2	1,268.02	1/2	1,545.81	1/2	1,823.66	1/2	2,101.51	1/2	2,379.28	1/2	2,656.85	1/2	2,921.59
3/4	186.55	3/4	459.86	3/4	732.01	3/4	999.12	3/4	1,273.81	3/4	1,551.60	3/4	1,829.45	3/4	2,107.30	3/4	2,385.07	3/4	2,662.59	3/4	2,926.00
8	192.32	8	465.65	8	737.50	8	1,004.91	8	1,279.60	8	1,557.38	8	1,835.24	8	2,113.09	8	2,390.86	8	2,668.34	8	2,930.41
1/4	198.09	1/4	471.44	1/4	742.98	1/4	1,010.70	1/4	1,285.39	1/4	1,563.17	1/4	1,841.03	1/4	2,118.88	1/4	2,396.65	1/4	2,674.09	1/4	2,934.82
1/2	203.86	1/2	477.23	1/2	748.47	1/2	1,016.49	1/2	1,291.18	1/2	1,568.96	1/2	1,846.81	1/2	2,124.67	1/2	2,402.43	1/2	2,679.84	1/2	2,939.23
3/4	209.63	3/4	483.02	3/4	753.96	3/4	1,022.28	3/4	1,296.97	3/4	1,574.75	3/4	1,852.60	3/4	2,130.46	3/4	2,408.22	3/4	2,685.58	3/4	2,943.64
9	215.40	9	488.81	9	759.44	9	1,028.07	9	1,302.75	9	1,580.54	9	1,858.39	9	2,136.24	9	2,414.01	9	2,691.33	9	2,948.05
1/4	221.17	1/4	494.60	1/4	764.93	1/4	1,033.86	1/4	1,308.54	1/4	1,586.33	1/4	1,864.18	1/4	2,142.03	1/4	2,419.80	1/4	2,697.08	1/4	2,952.46
1/2	226.95	1/2	500.39	1/2	770.42	1/2	1,039.65	1/2	1,314.33	1/2	1,592.12	1/2	1,869.97	1/2	2,147.82	1/2	2,425.58	1/2	2,702.83	1/2	2,956.87
3/4	232.73	3/4	506.18	3/4	775.91	3/4	1,045.44	3/4	1,320.12	3/4	1,597.90	3/4	1,875.76	3/4	2,153.61	3/4	2,431.37	3/4	2,708.57	3/4	2,961.28
10	238.51	10	511.97	10	781.40	10	1,051.23	10	1,325.91	10	1,603.69	10	1,881.55	10	2,159.40	10	2,437.16	10	2,714.32	10	2,965.69
1/4	244.07	1/4	517.76	1/4	786.89	1/4	1,057.02	1/4	1,331.70	1/4	1,609.48	1/4	1,887.31	1/4	2,165.18	1/4	2,442.95	1/4	2,720.07	1/4	2,970.10
1/2	249.63	1/2	523.55	1/2	792.38	1/2	1,062.81	1/2	1,337.49	1/2	1,615.27	1/2	1,893.12	1/2	2,170.96	1/2	2,448.73	1/2	2,725.82	1/2	2,974.51
3/4	255.19	3/4	529.34	3/4	797.87	3/4	1,068.60	3/4	1,343.28	3/4	1,621.06	3/4	1,898.91	3/4	2,176.75	3/4	2,454.52	3/4	2,731.56	3/4	2,978.92
11	260.75	11	535.12	11	803.36	11	1,074.39	11	1,349.06	11	1,626.85	11	1,904.70	11	2,182.53	11	2,460.31	11	2,737.31	11	2,983.33
1/4	266.32	1/4	540.91	1/4	808.85	1/4	1,080.18	1/4	1,354.85	1/4	1,632.64	1/4	1,910.49	1/4	2,188.31	1/4	2,466.10	1/4	2,743.06	1/4	2,987.74
1/2	271.88	1/2	546.70	1/2	814.34	1/2	1,085.97	1/2	1,360.64	1/2	1,638.42	1/2	1,916.28	1/2	2,194.09	1/2	2,471.88	1/2	2,748.81	1/2	2,992.15
3/4	277.44	3/4	552.49	3/4	819.83	3/4	1,091.76	3/4	1,366.43	3/4	1,644.21	3/4	1,922.07	3/4	2,199.87	3/4	2,477.67	3/4	2,754.55	3/4	2,997.56

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 32'-06" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 34'-06" FORWARD OF AFT BULKHEAD

STRAPPED: 05/24/2013 SW
CALCULATED: 05/27/2013 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "MM 95" MAGNOLIA BARGE

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	16.19	0	282.65	0	557.59	0	833.99	0	1,111.27	0	1,385.59	0	1,663.03	0	1,940.53	0	2,217.99	0	2,495.44	0	2,771.94		
1/4	20.90	1/4	288.21	1/4	563.37	1/4	839.75	1/4	1,116.92	1/4	1,391.37	1/4	1,668.81	1/4	1,946.31	1/4	2,223.77	1/4	2,501.22	1/4	2,777.68		
1/2	25.61	1/2	293.78	1/2	569.15	1/2	845.50	1/2	1,122.57	1/2	1,397.16	1/2	1,674.59	1/2	1,952.09	1/2	2,229.55	1/2	2,507.00	1/2	2,783.42		
3/4	30.31	3/4	299.34	3/4	574.93	3/4	851.25	3/4	1,128.22	3/4	1,402.94	3/4	1,680.37	3/4	1,957.87	3/4	2,235.33	3/4	2,512.78	3/4	2,789.16		
1	35.02	1	304.90	1	580.72	1	857.01	1	1,133.87	1	1,408.72	1	1,686.15	1	1,963.65	1	2,241.11	1	2,518.56	1	2,794.90		
1/4	40.51	1/4	310.47	1/4	586.50	1/4	862.77	1/4	1,139.52	1/4	1,414.50	1/4	1,691.93	1/4	1,969.44	1/4	2,246.89	1/4	2,524.34	1/4	2,800.64		
1/2	46.00	1/2	316.03	1/2	592.28	1/2	868.53	1/2	1,145.17	1/2	1,420.28	1/2	1,697.71	1/2	1,975.22	1/2	2,252.67	1/2	2,530.12	1/2	2,806.38		
3/4	51.49	3/4	321.60	3/4	598.06	3/4	874.29	3/4	1,150.82	3/4	1,426.06	3/4	1,703.50	3/4	1,981.00	3/4	2,258.45	3/4	2,535.90	3/4	2,812.12		
2	56.98	2	327.16	2	603.85	2	880.05	2	1,156.47	2	1,431.84	2	1,709.28	2	1,986.78	2	2,264.23	2	2,541.68	2	2,817.86		
1/4	62.50	1/4	332.73	1/4	609.63	1/4	885.81	1/4	1,162.12	1/4	1,437.62	1/4	1,715.06	1/4	1,992.56	1/4	2,270.01	1/4	2,547.46	1/4	2,823.60		
1/2	68.03	1/2	338.29	1/2	615.41	1/2	891.57	1/2	1,167.76	1/2	1,443.39	1/2	1,720.84	1/2	1,998.34	1/2	2,275.79	1/2	2,553.24	1/2	2,829.34		
3/4	73.55	3/4	343.86	3/4	621.19	3/4	897.33	3/4	1,173.41	3/4	1,449.16	3/4	1,726.62	3/4	2,004.12	3/4	2,281.57	3/4	2,559.02	3/4	2,835.08		
3	79.07	3	349.42	3	626.98	3	903.09	3	1,179.05	3	1,454.93	3	1,732.40	3	2,009.90	3	2,287.35	3	2,564.80	3	2,840.82		
1/4	84.60	1/4	355.20	1/4	632.73	1/4	908.88	1/4	1,184.70	1/4	1,460.71	1/4	1,738.18	1/4	2,015.69	1/4	2,293.13	1/4	2,570.58	1/4	2,846.56		
1/2	90.13	1/2	360.99	1/2	638.48	1/2	914.66	1/2	1,190.35	1/2	1,466.48	1/2	1,743.96	1/2	2,021.47	1/2	2,298.91	1/2	2,576.36	1/2	2,852.30		
3/4	95.66	3/4	366.77	3/4	644.23	3/4	920.44	3/4	1,195.99	3/4	1,472.25	3/4	1,749.75	3/4	2,027.25	3/4	2,304.69	3/4	2,582.14	3/4	2,858.04		
4	101.19	4	372.55	4	649.98	4	926.22	4	1,201.64	4	1,478.02	4	1,755.53	4	2,033.03	4	2,310.47	4	2,587.92	4	2,863.78		
1/4	106.73	1/4	378.33	1/4	655.73	1/4	932.01	1/4	1,207.29	1/4	1,483.81	1/4	1,761.31	1/4	2,038.81	1/4	2,316.25	1/4	2,593.71	1/4	2,869.52		
1/2	112.27	1/2	384.11	1/2	661.48	1/2	937.79	1/2	1,212.94	1/2	1,489.59	1/2	1,767.09	1/2	2,044.59	1/2	2,322.03	1/2	2,599.49	1/2	2,875.26		
3/4	117.81	3/4	389.90	3/4	667.23	3/4	943.57	3/4	1,218.59	3/4	1,495.37	3/4	1,772.87	3/4	2,050.37	3/4	2,327.81	3/4	2,605.27	3/4	2,881.00		
5	123.35	5	395.68	5	672.98	5	949.35	5	1,224.24	5	1,501.15	5	1,778.65	5	2,056.15	5	2,333.59	5	2,611.05	5	2,886.74		
1/4	129.01	1/4	401.46	1/4	678.73	1/4	955.14	1/4	1,229.89	1/4	1,506.93	1/4	1,784.43	1/4	2,061.94	1/4	2,339.37	1/4	2,616.83	1/4	2,892.05		
1/2	134.67	1/2	407.24	1/2	684.47	1/2	960.92	1/2	1,235.54	1/2	1,512.71	1/2	1,790.22	1/2	2,067.72	1/2	2,345.15	1/2	2,622.61	1/2	2,897.35		
3/4	140.33	3/4	413.03	3/4	690.22	3/4	966.70	3/4	1,241.19	3/4	1,518.49	3/4	1,796.00	3/4	2,073.50	3/4	2,350.93	3/4	2,628.39	3/4	2,902.65		
6	145.99	6	418.81	6	695.97	6	972.48	6	1,246.84	6	1,524.28	6	1,801.78	6	2,079.28	6	2,356.71	6	2,634.17	6	2,907.95		
1/4	151.75	1/4	424.59	1/4	701.72	1/4	978.27	1/4	1,252.62	1/4	1,530.06	1/4	1,807.56	1/4	2,085.06	1/4	2,362.49	1/4	2,639.91	1/4	2,912.28		
1/2	157.51	1/2	430.37	1/2	707.47	1/2	984.05	1/2	1,258.40	1/2	1,535.84	1/2	1,813.34	1/2	2,090.84	1/2	2,368.27	1/2	2,645.65	1/2	2,916.62		
3/4	163.27	3/4	436.16	3/4	713.22	3/4	989.83	3/4	1,264.18	3/4	1,541.62	3/4	1,819.12	3/4	2,096.62	3/4	2,374.05	3/4	2,651.39	3/4	2,920.95		
7	169.03	7	441.94	7	718.97	7	995.62	7	1,269.96	7	1,547.40	7	1,824.90	7	2,102.41	7	2,379.83	7	2,657.13	7	2,925.29		
1/4	174.80	1/4	447.72	1/4	724.72	1/4	1,001.40	1/4	1,275.74	1/4	1,553.18	1/4	1,830.68	1/4	2,108.19	1/4	2,385.61	1/4	2,662.87	1/4	2,928.66		
1/2	180.56	1/2	453.50	1/2	730.47	1/2	1,007.18	1/2	1,281.53	1/2	1,558.96	1/2	1,836.47	1/2	2,113.97	1/2	2,391.39	1/2	2,668.61	1/2	2,933.00		
3/4	186.32	3/4	459.29	3/4	736.22	3/4	1,012.96	3/4	1,287.31	3/4	1,564.74	3/4	1,842.25	3/4	2,119.75	3/4	2,397.17	3/4	2,674.35	3/4	2,938.30		
8	192.08	8	465.07	8	741.97	8	1,018.75	8	1,293.09	8	1,570.53	8	1,848.03	8	2,125.53	8	2,402.96	8	2,680.09	8	2,943.60		
1/4	197.84	1/4	470.85	1/4	747.72	1/4	1,024.53	1/4	1,298.87	1/4	1,576.31	1/4	1,853.81	1/4	2,131.31	1/4	2,408.74	1/4	2,685.83	1/4	2,948.91		
1/2	203.60	1/2	476.63	1/2	753.47	1/2	1,030.31	1/2	1,304.65	1/2	1,582.09	1/2	1,859.59	1/2	2,137.09	1/2	2,414.52	1/2	2,691.57	1/2	2,954.22		
3/4	209.37	3/4	482.42	3/4	759.21	3/4	1,036.09	3/4	1,310.43	3/4	1,587.87	3/4	1,865.37	3/4	2,142.87	3/4	2,420.30	3/4	2,697.31	3/4	2,959.53		
9	215.13	9	488.20	9	764.96	9	1,041.88	9	1,316.21	9	1,593.65	9	1,871.15	9	2,148.66	9	2,426.08	9	2,703.05	9	2,964.84		
1/4	220.90	1/4	493.98	1/4	770.71	1/4	1,047.66	1/4	1,322.00	1/4	1,599.43	1/4	1,876.92	1/4	2,154.44	1/4	2,431.86	1/4	2,708.79	1/4	2,970.15		
1/2	226.67	1/2	499.76	1/2	776.47	1/2	1,053.44	1/2	1,327.78	1/2	1,605.21	1/2	1,882.72	1/2	2,160.22	1/2	2,437.64	1/2	2,714.53	1/2	2,975.46		
3/4	232.44	3/4	505.55	3/4	782.22	3/4	1,059.23	3/4	1,333.56	3/4	1,610.99	3/4	1,888.50	3/4	2,166.00	3/4	2,443.42	3/4	2,720.27	3/4	2,980.78		
10	238.21	10	511.33	10	787.97	10	1,065.01	10	1,339.34	10	1,616.78	10	1,894.28	10	2,171.78	10	2,449.20	10	2,726.01	10	2,986.09		
1/4	243.77	1/4	517.11	1/4	793.72	1/4	1,070.79	1/4	1,345.12	1/4	1,622.56	1/4	1,900.06	1/4	2,177.56	1/4	2,454.98	1/4	2,731.75	1/4	2,991.40		
1/2	249.32	1/2	522.89	1/2	799.47	1/2	1,076.57	1/2	1,350.90	1/2	1,628.34	1/2	1,905.84	1/2	2,183.33	1/2	2,460.76	1/2	2,737.49	1/2	2,996.72		
3/4	254.88	3/4	528.67	3/4	805.23	3/4	1,082.36	3/4	1,356.69	3/4	1,634.12	3/4	1,911.62	3/4	2,189.11	3/4	2,466.54	3/4	2,743.23	3/4	2,999.99		
11	260.43	11	534.46	11	810.98	11	1,088.14	11	1,362.47	11	1,639.90	11	1,917.40	11	2,194.89	11	2,472.32	11	2,748.98	11	3,005.28		
1/4	265.98	1/4	540.24	1/4	816.73	1/4	1,093.92	1/4	1,368.25	1/4	1,645.68	1/4	1,923.18	1/4	2,200.66	1/4	2,478.10	1/4	2,754.72	1/4	3,010.57		
1/2	271.54	1/2	546.02	1/2	822.49	1/2	1,099.70	1/2	1,374.03	1/2	1,651.46	1/2	1,928.97	1/2	2,206.44	1/2	2,483.88	1/2	2,760.46	1/2	3,015.84		
3/4	277.09	3/4	551.80	3/4	828.24	3/4	1,105.49	3/4	1,379.81	3/4	1,657.25	3/4	1,934.75	3/4	2,212.21	3/4	2,489.66	3/4	2,766.20	3/4	3,021.11		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "MM 95" 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.
0	15.96	0	278.30	0	549.01	0	811.47	0	1,079.10	0	1,349.16	0	1,622.34	0	1,895.58	0	2,168.77	0	2,441.97	0	2,714.20
1/4	20.59	1/4	283.78	1/4	554.70	1/4	816.86	1/4	1,084.66	1/4	1,354.86	1/4	1,628.03	1/4	1,901.27	1/4	2,174.46	1/4	2,447.66	1/4	2,719.85
1/2	25.22	1/2	289.25	1/2	560.40	1/2	822.26	1/2	1,090.22	1/2	1,360.55	1/2	1,633.72	1/2	1,906.97	1/2	2,180.16	1/2	2,453.35	1/2	2,725.51
3/4	29.86	3/4	294.73	3/4	566.09	3/4	827.65	3/4	1,095.78	3/4	1,366.24	3/4	1,639.41	3/4	1,912.66	3/4	2,185.85	3/4	2,459.04	3/4	2,731.16
1	34.49	1	300.21	1	571.78	1	833.05	1	1,101.34	1	1,371.94	1	1,645.11	1	1,918.35	1	2,191.54	1	2,464.74	1	2,736.81
1/4	39.90	1/4	305.69	1/4	577.48	1/4	838.45	1/4	1,106.90	1/4	1,377.63	1/4	1,650.80	1/4	1,924.04	1/4	2,197.23	1/4	2,470.43	1/4	2,742.46
1/2	45.30	1/2	311.17	1/2	583.17	1/2	843.85	1/2	1,112.47	1/2	1,383.32	1/2	1,656.49	1/2	1,929.74	1/2	2,202.92	1/2	2,476.12	1/2	2,748.11
3/4	50.71	3/4	316.65	3/4	588.86	3/4	849.26	3/4	1,118.03	3/4	1,389.01	3/4	1,662.19	3/4	1,935.43	3/4	2,208.61	3/4	2,481.81	3/4	2,753.76
2	56.12	2	322.13	2	594.56	2	854.66	2	1,123.59	2	1,394.71	2	1,667.88	2	1,941.12	2	2,214.30	2	2,487.50	2	2,759.42
1/4	61.55	1/4	327.60	1/4	600.25	1/4	860.06	1/4	1,129.15	1/4	1,400.39	1/4	1,673.57	1/4	1,946.82	1/4	2,220.00	1/4	2,493.19	1/4	2,765.07
1/2	66.99	1/2	333.08	1/2	605.95	1/2	865.47	1/2	1,134.70	1/2	1,406.07	1/2	1,679.26	1/2	1,952.51	1/2	2,225.69	1/2	2,498.88	1/2	2,770.72
3/4	72.43	3/4	338.56	3/4	611.64	3/4	870.87	3/4	1,140.26	3/4	1,411.76	3/4	1,684.96	3/4	1,958.20	3/4	2,231.38	3/4	2,504.58	3/4	2,776.37
3	77.86	3	344.04	3	617.33	3	876.27	3	1,145.82	3	1,417.44	3	1,690.65	3	1,963.89	3	2,237.07	3	2,510.27	3	2,782.02
1/4	83.31	1/4	349.73	1/4	622.73	1/4	881.70	1/4	1,151.38	1/4	1,423.12	1/4	1,696.34	1/4	1,969.59	1/4	2,242.76	1/4	2,515.96	1/4	2,787.67
1/2	88.75	1/2	355.43	1/2	628.12	1/2	887.12	1/2	1,156.93	1/2	1,428.81	1/2	1,702.03	1/2	1,975.28	1/2	2,248.45	1/2	2,521.65	1/2	2,793.32
3/4	94.19	3/4	361.12	3/4	633.51	3/4	892.55	3/4	1,162.49	3/4	1,434.49	3/4	1,707.73	3/4	1,980.97	3/4	2,254.15	3/4	2,527.34	3/4	2,798.98
4	99.64	4	366.81	4	638.91	4	897.97	4	1,168.05	4	1,440.17	4	1,713.42	4	1,986.66	4	2,259.84	4	2,533.03	4	2,804.63
1/4	105.09	1/4	372.51	1/4	644.30	1/4	903.39	1/4	1,173.61	1/4	1,445.87	1/4	1,719.11	1/4	1,992.36	1/4	2,265.53	1/4	2,538.73	1/4	2,810.28
1/2	110.55	1/2	378.20	1/2	649.69	1/2	908.82	1/2	1,179.17	1/2	1,451.56	1/2	1,724.80	1/2	1,998.05	1/2	2,271.22	1/2	2,544.42	1/2	2,815.93
3/4	116.01	3/4	383.89	3/4	655.08	3/4	914.24	3/4	1,184.73	3/4	1,457.25	3/4	1,730.50	3/4	2,003.74	3/4	2,276.91	3/4	2,550.11	3/4	2,821.58
5	121.46	5	389.59	5	660.47	5	919.67	5	1,190.29	5	1,462.94	5	1,736.19	5	2,009.43	5	2,282.60	5	2,555.80	5	2,827.23
1/4	127.03	1/4	395.28	1/4	665.86	1/4	925.36	1/4	1,195.85	1/4	1,468.64	1/4	1,741.88	1/4	2,015.13	1/4	2,288.30	1/4	2,561.49	1/4	2,832.45
1/2	132.60	1/2	400.98	1/2	671.25	1/2	931.06	1/2	1,201.41	1/2	1,474.33	1/2	1,747.57	1/2	2,020.82	1/2	2,293.99	1/2	2,567.18	1/2	2,837.67
3/4	138.18	3/4	406.67	3/4	676.65	3/4	936.75	3/4	1,206.98	3/4	1,480.02	3/4	1,753.27	3/4	2,026.51	3/4	2,299.68	3/4	2,572.88	3/4	2,842.89
6	143.75	6	412.36	6	682.04	6	942.44	6	1,212.54	6	1,485.71	6	1,758.96	6	2,032.20	6	2,305.37	6	2,578.57	6	2,848.11
1/4	149.42	1/4	418.06	1/4	687.43	1/4	948.14	1/4	1,218.23	1/4	1,491.41	1/4	1,764.65	1/4	2,037.90	1/4	2,311.06	1/4	2,584.22	1/4	2,852.38
1/2	155.09	1/2	423.75	1/2	692.82	1/2	953.83	1/2	1,223.92	1/2	1,497.10	1/2	1,770.34	1/2	2,043.59	1/2	2,316.75	1/2	2,589.87	1/2	2,856.65
3/4	160.76	3/4	429.44	3/4	698.21	3/4	959.53	3/4	1,229.62	3/4	1,502.79	3/4	1,776.04	3/4	2,049.28	3/4	2,322.45	3/4	2,595.52	3/4	2,860.91
7	166.44	7	435.14	7	703.60	7	965.22	7	1,235.31	7	1,508.48	7	1,781.73	7	2,054.97	7	2,328.14	7	2,601.17	7	2,865.18
1/4	172.11	1/4	440.83	1/4	708.99	1/4	970.91	1/4	1,241.00	1/4	1,514.18	1/4	1,787.42	1/4	2,060.67	1/4	2,333.83	1/4	2,606.82	1/4	2,868.50
1/2	177.78	1/2	446.52	1/2	714.38	1/2	976.61	1/2	1,246.69	1/2	1,519.87	1/2	1,793.11	1/2	2,066.36	1/2	2,339.52	1/2	2,612.48	1/2	2,872.78
3/4	183.46	3/4	452.22	3/4	719.78	3/4	982.30	3/4	1,252.39	3/4	1,525.56	3/4	1,798.81	3/4	2,072.05	3/4	2,345.21	3/4	2,618.13	3/4	2,878.08
8	189.13	8	457.91	8	725.17	8	988.00	8	1,258.08	8	1,531.26	8	1,804.50	8	2,077.74	8	2,350.90	8	2,623.78	8	2,883.38
1/4	194.80	1/4	463.61	1/4	730.56	1/4	993.69	1/4	1,263.77	1/4	1,536.95	1/4	1,810.19	1/4	2,083.44	1/4	2,356.59	1/4	2,629.43	1/4	2,888.68
1/2	200.47	1/2	469.30	1/2	735.95	1/2	999.38	1/2	1,269.46	1/2	1,542.64	1/2	1,815.89	1/2	2,089.13	1/2	2,362.29	1/2	2,635.08	1/2	2,893.98
3/4	206.15	3/4	474.99	3/4	741.34	3/4	1,005.08	3/4	1,275.16	3/4	1,548.33	3/4	1,821.58	3/4	2,094.82	3/4	2,367.98	3/4	2,640.73	3/4	2,904.28
9	211.82	9	480.69	9	746.73	9	1,010.77	9	1,280.85	9	1,554.03	9	1,827.27	9	2,100.52	9	2,373.67	9	2,646.39	9	2,909.58
1/4	217.50	1/4	486.38	1/4	752.13	1/4	1,016.47	1/4	1,286.54	1/4	1,559.72	1/4	1,832.96	1/4	2,106.21	1/4	2,379.36	1/4	2,652.04	1/4	2,914.88
1/2	223.19	1/2	492.07	1/2	757.52	1/2	1,022.16	1/2	1,292.24	1/2	1,565.41	1/2	1,838.66	1/2	2,111.90	1/2	2,385.05	1/2	2,657.69	1/2	2,920.18
3/4	228.87	3/4	497.77	3/4	762.91	3/4	1,027.85	3/4	1,297.93	3/4	1,571.10	3/4	1,844.35	3/4	2,117.59	3/4	2,390.74	3/4	2,663.34	3/4	2,925.48
10	234.55	10	503.46	10	768.30	10	1,033.55	10	1,303.62	10	1,576.80	10	1,850.04	10	2,123.29	10	2,396.44	10	2,668.99	10	2,930.78
1/4	240.02	1/4	509.15	1/4	773.70	1/4	1,039.24	1/4	1,309.31	1/4	1,582.49	1/4	1,855.73	1/4	2,128.97	1/4	2,402.13	1/4	2,674.64	1/4	2,936.08
1/2	245.49	1/2	514.85	1/2	779.10	1/2	1,044.94	1/2	1,315.01	1/2	1,588.18	1/2	1,861.43	1/2	2,134.66	1/2	2,407.82	1/2	2,680.29	1/2	2,941.38
3/4	250.96	3/4	520.54	3/4	784.49	3/4	1,050.63	3/4	1,320.70	3/4	1,593.87	3/4	1,867.12	3/4	2,140.34	3/4	2,413.51	3/4	2,685.95	3/4	2,946.68
11	256.42	11	526.23	11	789.89	11	1,056.32	11	1,326.39	11	1,599.57	11	1,872.81	11	2,146.03	11	2,419.20	11	2,691.60	11	2,951.98
1/4	261.89	1/4	531.93	1/4	795.28	1/4	1,062.02	1/4	1,332.09	1/4	1,605.26	1/4	1,878.50	1/4	2,151.71	1/4	2,424.89	1/4	2,697.25	1/4	2,957.28
1/2	267.36	1/2	537.62	1/2	800.68	1/2	1,067.71	1/2	1,337.78	1/2	1,610.95	1/2	1,884.20	1/2	2,157.40	1/2	2,430.59	1/2	2,702.90	1/2	2,962.58
3/4	272.83	3/4	543.32	3/4	806.07	3/4	1,073.40	3/4	1,343.47	3/4	1,616.64	3/4	1,889.89	3/4	2,163.09	3/4	2,436.28	3/4	2,708.55	3/4	2,967.87

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

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PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "MM 95" MAGNOLIA BARGE

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.
0	15.95	0	278.21	0	548.84	0	820.90	0	1,093.83	0	1,363.81	0	1,636.89	0	1,910.05	0	2,183.15	0	2,456.27	0	2,728.41
1/4	20.58	1/4	283.69	1/4	554.53	1/4	826.56	1/4	1,099.39	1/4	1,369.50	1/4	1,642.58	1/4	1,915.74	1/4	2,188.84	1/4	2,461.95	1/4	2,734.06
1/2	25.22	1/2	289.16	1/2	560.22	1/2	832.22	1/2	1,104.95	1/2	1,375.19	1/2	1,648.27	1/2	1,921.43	1/2	2,194.53	1/2	2,467.64	1/2	2,739.71
3/4	29.85	3/4	294.64	3/4	565.91	3/4	837.89	3/4	1,110.50	3/4	1,380.88	3/4	1,653.97	3/4	1,927.12	3/4	2,200.22	3/4	2,473.33	3/4	2,745.36
1	34.48	1	300.12	1	571.60	1	843.55	1	1,116.06	1	1,386.57	1	1,659.66	1	1,932.81	1	2,205.91	1	2,479.02	1	2,751.01
1/4	39.89	1/4	305.59	1/4	577.30	1/4	849.22	1/4	1,121.62	1/4	1,392.26	1/4	1,665.35	1/4	1,938.51	1/4	2,211.60	1/4	2,484.71	1/4	2,756.66
1/2	45.29	1/2	311.07	1/2	582.99	1/2	854.89	1/2	1,127.18	1/2	1,397.95	1/2	1,671.04	1/2	1,944.20	1/2	2,217.29	1/2	2,490.40	1/2	2,762.31
3/4	50.69	3/4	316.55	3/4	588.68	3/4	860.56	3/4	1,132.74	3/4	1,403.64	3/4	1,676.73	3/4	1,949.89	3/4	2,222.98	3/4	2,496.09	3/4	2,767.96
2	56.10	2	322.02	2	594.37	2	866.23	2	1,138.30	2	1,409.33	2	1,682.42	2	1,955.58	2	2,228.67	2	2,501.78	2	2,773.61
1/4	61.53	1/4	327.50	1/4	600.06	1/4	871.90	1/4	1,143.86	1/4	1,415.02	1/4	1,688.11	1/4	1,961.27	1/4	2,234.36	1/4	2,507.47	1/4	2,779.26
1/2	66.97	1/2	332.98	1/2	605.75	1/2	877.57	1/2	1,149.41	1/2	1,420.70	1/2	1,693.80	1/2	1,966.96	1/2	2,240.05	1/2	2,513.16	1/2	2,784.91
3/4	72.40	3/4	338.45	3/4	611.45	3/4	883.24	3/4	1,154.97	3/4	1,426.38	3/4	1,699.49	3/4	1,972.65	3/4	2,245.74	3/4	2,518.85	3/4	2,790.56
3	77.84	3	343.93	3	617.14	3	888.91	3	1,160.53	3	1,432.06	3	1,705.18	3	1,978.34	3	2,251.43	3	2,524.54	3	2,796.21
1/4	83.28	1/4	349.62	1/4	622.80	1/4	894.60	1/4	1,166.08	1/4	1,437.74	1/4	1,710.87	1/4	1,984.03	1/4	2,257.12	1/4	2,530.23	1/4	2,801.86
1/2	88.72	1/2	355.32	1/2	628.46	1/2	900.29	1/2	1,171.64	1/2	1,443.42	1/2	1,716.56	1/2	1,989.72	1/2	2,262.81	1/2	2,535.92	1/2	2,807.51
3/4	94.16	3/4	361.01	3/4	634.12	3/4	905.99	3/4	1,177.19	3/4	1,449.11	3/4	1,722.26	3/4	1,995.41	3/4	2,268.50	3/4	2,541.61	3/4	2,813.16
4	99.61	4	366.70	4	639.78	4	911.68	4	1,182.75	4	1,454.79	4	1,727.95	4	2,001.10	4	2,274.19	4	2,547.30	4	2,818.81
1/4	105.06	1/4	372.39	1/4	645.44	1/4	917.37	1/4	1,188.31	1/4	1,460.48	1/4	1,733.64	1/4	2,006.80	1/4	2,279.88	1/4	2,552.99	1/4	2,824.46
1/2	110.52	1/2	378.08	1/2	651.10	1/2	923.06	1/2	1,193.87	1/2	1,466.17	1/2	1,739.33	1/2	2,012.49	1/2	2,285.57	1/2	2,558.68	1/2	2,830.11
3/4	115.97	3/4	383.77	3/4	656.76	3/4	928.75	3/4	1,199.43	3/4	1,471.86	3/4	1,745.02	3/4	2,018.18	3/4	2,291.26	3/4	2,564.37	3/4	2,835.76
5	121.42	5	389.47	5	662.42	5	934.45	5	1,204.98	5	1,477.55	5	1,750.71	5	2,023.87	5	2,296.95	5	2,570.06	5	2,841.41
1/4	126.99	1/4	395.16	1/4	668.07	1/4	940.14	1/4	1,210.54	1/4	1,483.24	1/4	1,756.40	1/4	2,029.56	1/4	2,302.64	1/4	2,575.75	1/4	2,846.62
1/2	132.56	1/2	400.85	1/2	673.73	1/2	945.83	1/2	1,216.10	1/2	1,488.93	1/2	1,762.09	1/2	2,035.25	1/2	2,308.33	1/2	2,581.44	1/2	2,851.84
3/4	138.13	3/4	406.54	3/4	679.39	3/4	951.52	3/4	1,221.66	3/4	1,494.62	3/4	1,767.78	3/4	2,040.94	3/4	2,314.02	3/4	2,587.13	3/4	2,857.06
6	143.70	6	412.23	6	685.05	6	957.22	6	1,227.22	6	1,500.31	6	1,773.47	6	2,046.63	6	2,319.71	6	2,592.82	6	2,862.28
1/4	149.37	1/4	417.92	1/4	690.71	1/4	962.91	1/4	1,232.91	1/4	1,506.00	1/4	1,779.16	1/4	2,052.32	1/4	2,325.40	1/4	2,598.47	1/4	2,866.54
1/2	155.04	1/2	423.62	1/2	696.37	1/2	968.60	1/2	1,238.60	1/2	1,511.70	1/2	1,784.85	1/2	2,058.01	1/2	2,331.09	1/2	2,604.12	1/2	2,870.81
3/4	160.71	3/4	429.31	3/4	702.03	3/4	974.29	3/4	1,244.29	3/4	1,517.39	3/4	1,790.54	3/4	2,063.70	3/4	2,336.78	3/4	2,609.77	3/4	2,875.08
7	166.38	7	435.00	7	707.68	7	979.98	7	1,249.99	7	1,523.08	7	1,796.24	7	2,069.39	7	2,342.47	7	2,615.42	7	2,879.35
1/4	172.06	1/4	440.69	1/4	713.34	1/4	985.68	1/4	1,255.68	1/4	1,528.77	1/4	1,801.93	1/4	2,075.08	1/4	2,348.16	1/4	2,621.07	1/4	2,882.67
1/2	177.73	1/2	446.38	1/2	719.00	1/2	991.37	1/2	1,261.37	1/2	1,534.46	1/2	1,807.62	1/2	2,080.78	1/2	2,353.85	1/2	2,626.72	1/2	2,887.99
3/4	183.40	3/4	452.08	3/4	724.66	3/4	997.06	3/4	1,267.06	3/4	1,540.15	3/4	1,813.31	3/4	2,086.47	3/4	2,359.54	3/4	2,632.37	3/4	2,893.32
8	189.07	8	457.77	8	730.32	8	1,002.75	8	1,272.75	8	1,545.84	8	1,819.00	8	2,092.16	8	2,365.23	8	2,638.02	8	2,898.67
1/4	194.74	1/4	463.46	1/4	735.98	1/4	1,008.44	1/4	1,278.44	1/4	1,551.53	1/4	1,824.69	1/4	2,097.85	1/4	2,370.92	1/4	2,643.67	1/4	2,903.92
1/2	200.41	1/2	469.15	1/2	741.64	1/2	1,014.14	1/2	1,284.13	1/2	1,557.22	1/2	1,830.38	1/2	2,103.54	1/2	2,376.61	1/2	2,649.32	1/2	2,909.17
3/4	206.08	3/4	474.84	3/4	747.29	3/4	1,019.83	3/4	1,289.82	3/4	1,562.91	3/4	1,836.07	3/4	2,109.23	3/4	2,382.30	3/4	2,654.97	3/4	2,914.42
9	211.75	9	480.53	9	752.95	9	1,025.52	9	1,295.51	9	1,568.60	9	1,841.76	9	2,114.92	9	2,387.99	9	2,660.62	9	2,919.67
1/4	217.43	1/4	486.23	1/4	758.61	1/4	1,031.21	1/4	1,301.20	1/4	1,574.29	1/4	1,847.45	1/4	2,120.61	1/4	2,393.68	1/4	2,666.27	1/4	2,924.92
1/2	223.12	1/2	491.92	1/2	764.27	1/2	1,036.90	1/2	1,306.90	1/2	1,579.99	1/2	1,853.14	1/2	2,126.30	1/2	2,399.37	1/2	2,671.92	1/2	2,930.17
3/4	228.80	3/4	497.61	3/4	769.94	3/4	1,042.60	3/4	1,312.59	3/4	1,585.68	3/4	1,858.83	3/4	2,131.99	3/4	2,405.06	3/4	2,677.57	3/4	2,935.42
10	234.48	10	503.30	10	775.60	10	1,048.29	10	1,318.28	10	1,591.37	10	1,864.53	10	2,137.68	10	2,410.75	10	2,683.22	10	2,940.67
1/4	239.94	1/4	508.99	1/4	781.26	1/4	1,053.98	1/4	1,323.97	1/4	1,597.06	1/4	1,870.22	1/4	2,143.37	1/4	2,416.44	1/4	2,688.87	1/4	2,945.92
1/2	245.41	1/2	514.69	1/2	786.92	1/2	1,059.67	1/2	1,329.66	1/2	1,602.75	1/2	1,875.91	1/2	2,149.05	1/2	2,422.13	1/2	2,694.51	1/2	2,951.17
3/4	250.88	3/4	520.38	3/4	792.58	3/4	1,065.37	3/4	1,335.35	3/4	1,608.44	3/4	1,881.60	3/4	2,154.74	3/4	2,427.82	3/4	2,700.16	3/4	2,956.42
11	256.34	11	526.07	11	798.25	11	1,071.06	11	1,341.04	11	1,614.13	11	1,887.29	11	2,160.42	11	2,433.51	11	2,705.81	11	2,961.67
1/4	261.81	1/4	531.76	1/4	803.91	1/4	1,076.75	1/4	1,346.73	1/4	1,619.82	1/4	1,892.98	1/4	2,166.10	1/4	2,439.20	1/4	2,711.46	1/4	2,966.92
1/2	267.28	1/2	537.45	1/2	809.57	1/2	1,082.44	1/2	1,352.42	1/2	1,625.51	1/2	1,898.67	1/2	2,171.79	1/2	2,444.89	1/2	2,717.11	1/2	2,972.17
3/4	272.74	3/4	543.14	3/4	815.23	3/4	1,088.13	3/4	1,358.11	3/4	1,631.20	3/4	1,904.36	3/4	2,177.47	3/4	2,450.58	3/4	2,722.76	3/4	2,977.42

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& ANALYSIS, INC.

P.O. Box 2092
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BARGE "MM 95" MAGNOLIA BARGE

4 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-07"

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.
0	16.32	0	292.94	0	573.01	0	843.69	0	1,118.45	0	1,394.47	0	1,669.89	0	1,948.33	0	2,227.03	0	2,505.89	0	2,783.77
1/4	21.21	1/4	298.83	1/4	578.83	1/4	849.27	1/4	1,124.14	1/4	1,400.22	1/4	1,675.65	1/4	1,954.13	1/4	2,232.84	1/4	2,511.70	1/4	2,789.54
1/2	26.10	1/2	304.71	1/2	584.65	1/2	854.85	1/2	1,129.83	1/2	1,405.97	1/2	1,681.41	1/2	1,959.93	1/2	2,238.65	1/2	2,517.50	1/2	2,795.31
3/4	30.98	3/4	310.60	3/4	590.47	3/4	860.44	3/4	1,135.53	3/4	1,411.72	3/4	1,687.16	3/4	1,965.74	3/4	2,244.46	3/4	2,523.31	3/4	2,801.08
1	35.87	1	316.48	1	596.29	1	866.02	1	1,141.22	1	1,417.46	1	1,692.92	1	1,971.54	1	2,250.27	1	2,529.12	1	2,806.85
1/4	41.70	1/4	322.37	1/4	602.10	1/4	871.61	1/4	1,146.91	1/4	1,423.20	1/4	1,698.68	1/4	1,977.34	1/4	2,256.08	1/4	2,534.93	1/4	2,812.62
1/2	47.52	1/2	328.25	1/2	607.92	1/2	877.20	1/2	1,152.61	1/2	1,428.94	1/2	1,704.44	1/2	1,983.15	1/2	2,261.89	1/2	2,540.74	1/2	2,818.39
3/4	53.34	3/4	334.13	3/4	613.74	3/4	882.79	3/4	1,158.30	3/4	1,434.68	3/4	1,710.19	3/4	1,988.95	3/4	2,267.70	3/4	2,546.55	3/4	2,824.16
2	59.16	2	340.02	2	619.56	2	888.38	2	1,163.99	2	1,440.41	2	1,715.95	2	1,994.75	2	2,273.51	2	2,552.36	2	2,829.93
1/4	65.01	1/4	345.90	1/4	625.38	1/4	893.97	1/4	1,169.67	1/4	1,446.13	1/4	1,721.76	1/4	2,000.56	1/4	2,279.32	1/4	2,558.17	1/4	2,835.70
1/2	70.87	1/2	351.78	1/2	631.20	1/2	899.56	1/2	1,175.36	1/2	1,451.85	1/2	1,727.57	1/2	2,006.36	1/2	2,285.13	1/2	2,563.98	1/2	2,841.47
3/4	76.72	3/4	357.67	3/4	637.02	3/4	905.14	3/4	1,181.04	3/4	1,457.56	3/4	1,733.38	3/4	2,012.17	3/4	2,290.94	3/4	2,569.79	3/4	2,847.24
3	82.57	3	363.55	3	642.84	3	910.73	3	1,186.72	3	1,463.28	3	1,739.20	3	2,017.97	3	2,296.75	3	2,575.60	3	2,853.01
1/4	88.44	1/4	369.37	1/4	648.42	1/4	916.35	1/4	1,192.40	1/4	1,469.01	1/4	1,745.01	1/4	2,023.77	1/4	2,302.56	1/4	2,581.41	1/4	2,858.78
1/2	94.30	1/2	375.18	1/2	654.00	1/2	921.96	1/2	1,198.08	1/2	1,474.73	1/2	1,750.82	1/2	2,029.58	1/2	2,308.37	1/2	2,587.22	1/2	2,864.55
3/4	100.16	3/4	381.00	3/4	659.58	3/4	927.57	3/4	1,203.76	3/4	1,480.46	3/4	1,756.63	3/4	2,035.38	3/4	2,314.18	3/4	2,593.03	3/4	2,870.31
4	106.02	4	386.82	4	665.16	4	933.18	4	1,209.44	4	1,486.19	4	1,762.44	4	2,041.18	4	2,319.99	4	2,598.84	4	2,876.08
1/4	111.89	1/4	392.64	1/4	670.73	1/4	938.79	1/4	1,215.13	1/4	1,491.92	1/4	1,768.26	1/4	2,046.99	1/4	2,325.79	1/4	2,604.65	1/4	2,881.85
1/2	117.77	1/2	398.45	1/2	676.31	1/2	944.40	1/2	1,220.83	1/2	1,497.66	1/2	1,774.07	1/2	2,052.79	1/2	2,331.60	1/2	2,610.46	1/2	2,887.62
3/4	123.64	3/4	404.27	3/4	681.89	3/4	950.01	3/4	1,226.52	3/4	1,503.39	3/4	1,779.88	3/4	2,058.59	3/4	2,337.41	3/4	2,616.26	3/4	2,893.39
5	129.51	5	410.09	5	687.47	5	955.63	5	1,232.21	5	1,509.13	5	1,785.69	5	2,064.40	5	2,343.22	5	2,622.07	5	2,899.16
1/4	135.36	1/4	415.91	1/4	693.05	1/4	961.44	1/4	1,237.91	1/4	1,514.86	1/4	1,791.50	1/4	2,070.21	1/4	2,349.03	1/4	2,627.88	1/4	2,904.51
1/2	141.21	1/2	421.72	1/2	698.62	1/2	967.26	1/2	1,243.60	1/2	1,520.60	1/2	1,797.32	1/2	2,076.02	1/2	2,354.84	1/2	2,633.69	1/2	2,909.85
3/4	147.06	3/4	427.54	3/4	704.20	3/4	973.07	3/4	1,249.29	3/4	1,526.33	3/4	1,803.13	3/4	2,081.83	3/4	2,360.65	3/4	2,639.50	3/4	2,915.19
6	152.91	6	433.36	6	709.78	6	978.89	6	1,254.98	6	1,532.07	6	1,808.94	6	2,087.64	6	2,366.46	6	2,645.31	6	2,920.54
1/4	158.72	1/4	439.18	1/4	715.36	1/4	984.70	1/4	1,260.80	1/4	1,537.80	1/4	1,814.75	1/4	2,093.45	1/4	2,372.27	1/4	2,651.08	1/4	2,924.91
1/2	164.53	1/2	445.00	1/2	720.94	1/2	990.52	1/2	1,266.61	1/2	1,543.54	1/2	1,820.56	1/2	2,099.26	1/2	2,378.08	1/2	2,656.85	1/2	2,929.28
3/4	170.34	3/4	450.82	3/4	726.51	3/4	996.33	3/4	1,272.42	3/4	1,549.28	3/4	1,826.38	3/4	2,105.07	3/4	2,383.89	3/4	2,662.62	3/4	2,933.65
7	176.15	7	456.63	7	732.09	7	1,002.15	7	1,278.23	7	1,555.01	7	1,832.19	7	2,110.88	7	2,389.70	7	2,668.39	7	2,938.02
1/4	181.96	1/4	462.45	1/4	737.67	1/4	1,007.96	1/4	1,284.04	1/4	1,560.75	1/4	1,838.00	1/4	2,116.69	1/4	2,395.51	1/4	2,674.16	1/4	2,941.42
1/2	187.77	1/2	468.27	1/2	743.25	1/2	1,013.78	1/2	1,289.86	1/2	1,566.48	1/2	1,843.81	1/2	2,122.50	1/2	2,401.32	1/2	2,679.93	1/2	2,945.79
3/4	193.57	3/4	474.09	3/4	748.83	3/4	1,019.59	3/4	1,295.67	3/4	1,572.22	3/4	1,849.62	3/4	2,128.31	3/4	2,407.13	3/4	2,685.70	3/4	2,950.16
8	199.38	8	479.91	8	754.40	8	1,025.41	8	1,301.48	8	1,577.95	8	1,855.43	8	2,134.12	8	2,412.94	8	2,691.47	8	2,954.53
1/4	205.19	1/4	485.73	1/4	759.98	1/4	1,031.22	1/4	1,307.29	1/4	1,583.69	1/4	1,861.25	1/4	2,139.93	1/4	2,418.75	1/4	2,697.24	1/4	2,958.90
1/2	211.00	1/2	491.55	1/2	765.56	1/2	1,037.04	1/2	1,313.10	1/2	1,589.42	1/2	1,867.06	1/2	2,145.74	1/2	2,424.55	1/2	2,703.00	1/2	2,963.26
3/4	216.81	3/4	497.37	3/4	771.14	3/4	1,042.85	3/4	1,318.92	3/4	1,595.16	3/4	1,872.87	3/4	2,151.55	3/4	2,430.36	3/4	2,708.77	3/4	2,968.02
9	222.62	9	503.18	9	776.72	9	1,048.67	9	1,324.73	9	1,600.90	9	1,878.68	9	2,157.36	9	2,436.17	9	2,714.54	9	2,972.38
1/4	228.44	1/4	509.00	1/4	782.30	1/4	1,054.48	1/4	1,330.54	1/4	1,606.63	1/4	1,884.49	1/4	2,163.17	1/4	2,441.98	1/4	2,720.31	1/4	2,977.14
1/2	234.26	1/2	514.82	1/2	787.88	1/2	1,060.30	1/2	1,336.35	1/2	1,612.37	1/2	1,890.29	1/2	2,168.98	1/2	2,447.79	1/2	2,726.08	1/2	2,981.90
3/4	240.08	3/4	520.64	3/4	793.45	3/4	1,066.11	3/4	1,342.16	3/4	1,618.10	3/4	1,896.09	3/4	2,174.79	3/4	2,453.60	3/4	2,731.85	3/4	2,986.66
10	245.90	10	526.46	10	799.03	10	1,071.93	10	1,347.98	10	1,623.84	10	1,901.90	10	2,180.60	10	2,459.41	10	2,737.62	10	2,991.42
1/4	251.79	1/4	532.28	1/4	804.62	1/4	1,077.74	1/4	1,353.79	1/4	1,629.59	1/4	1,886.41	1/4	2,186.41	1/4	2,465.22	1/4	2,743.39	1/4	2,996.18
1/2	257.67	1/2	538.10	1/2	810.20	1/2	1,083.56	1/2	1,359.60	1/2	1,635.35	1/2	1,913.50	1/2	2,192.21	1/2	2,471.03	1/2	2,749.16	1/2	2,999.94
3/4	263.56	3/4	543.92	3/4	815.78	3/4	1,089.37	3/4	1,365.41	3/4	1,641.11	3/4	1,919.31	3/4	2,198.02	3/4	2,476.84	3/4	2,754.93	3/4	3,004.70
11	269.45	11	549.73	11	821.36	11	1,095.19	11	1,371.22	11	1,646.87	11	1,925.11	11	2,203.82	11	2,482.65	11	2,760.70	11	3,009.46
1/4	275.32	1/4	555.55	1/4	826.94	1/4	1,101.00	1/4	1,377.04	1/4	1,652.62	1/4	1,930.91	1/4	2,209.62	1/4	2,488.46	1/4	2,766.47	1/4	3,014.22
1/2	281.19	1/2	561.37	1/2	832.53	1/2	1,106.82	1/2	1,382.85	1/2	1,658.38	1/2	1,936.72	1/2	2,215.43	1/2	2,494.27	1/2	2,772.24	1/2	3,018.98
3/4	287.07	3/4	567.19	3/4	838.11	3/4	1,112.63	3/4	1,388.66	3/4	1,664.14	3/4	1,942.52	3/4	2,221.23	3/4	2,500.08	3/4	2,778.01	3/4	3,023.74

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 48'-06" FORWARD OF AFT BULKHEAD.
 GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 50'-06" FORWARD OF AFT BULKHEAD

STRAPPED: 05/24/2013 SW
 CALCULATED: 05/27/2013 CL
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CANCELS AND SUPERCEDES
 ALL PRIOR TO 05/2013

PRECISION MEASUREMENT
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BARGE "MM 95" MAGNOLIA BARGE

4 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.
0	16.35	0	293.40	0	573.15	0	849.50	0	1,126.72	0	1,401.12	0	1,674.92	0	1,951.57	0	2,228.47	0	2,505.51	0	2,781.59
1/4	21.24	1/4	299.29	1/4	578.94	1/4	855.25	1/4	1,132.38	1/4	1,406.84	1/4	1,680.64	1/4	1,957.34	1/4	2,234.24	1/4	2,511.28	1/4	2,787.32
1/2	26.14	1/2	305.19	1/2	584.72	1/2	861.01	1/2	1,138.04	1/2	1,412.55	1/2	1,686.36	1/2	1,963.10	1/2	2,240.01	1/2	2,517.06	1/2	2,793.06
3/4	31.03	3/4	311.08	3/4	590.50	3/4	866.76	3/4	1,143.69	3/4	1,418.26	3/4	1,692.09	3/4	1,968.87	3/4	2,245.79	3/4	2,522.83	3/4	2,798.79
1	35.93	1	316.98	1	596.28	1	872.51	1	1,149.35	1	1,423.98	1	1,697.81	1	1,974.63	1	2,251.56	1	2,528.60	1	2,804.52
1/4	41.76	1/4	322.87	1/4	602.06	1/4	878.27	1/4	1,155.01	1/4	1,429.68	1/4	1,703.53	1/4	1,980.40	1/4	2,257.33	1/4	2,534.37	1/4	2,810.25
1/2	47.59	1/2	328.76	1/2	607.84	1/2	884.03	1/2	1,160.67	1/2	1,435.38	1/2	1,709.26	1/2	1,986.17	1/2	2,263.10	1/2	2,540.14	1/2	2,815.98
3/4	53.42	3/4	334.66	3/4	613.62	3/4	889.79	3/4	1,166.33	3/4	1,441.09	3/4	1,714.98	3/4	1,991.93	3/4	2,268.87	3/4	2,545.91	3/4	2,821.71
2	59.25	2	340.55	2	619.40	2	895.55	2	1,171.99	2	1,446.79	2	1,720.70	2	1,997.70	2	2,274.65	2	2,551.69	2	2,827.45
1/4	65.12	1/4	346.44	1/4	625.18	1/4	901.31	1/4	1,177.64	1/4	1,452.47	1/4	1,726.48	1/4	2,003.46	1/4	2,280.42	1/4	2,557.46	1/4	2,833.18
1/2	70.98	1/2	352.33	1/2	630.97	1/2	907.07	1/2	1,183.29	1/2	1,458.16	1/2	1,732.25	1/2	2,009.23	1/2	2,286.19	1/2	2,563.23	1/2	2,838.91
3/4	76.84	3/4	358.22	3/4	636.75	3/4	912.83	3/4	1,188.93	3/4	1,463.84	3/4	1,738.02	3/4	2,015.00	3/4	2,291.96	3/4	2,569.00	3/4	2,844.64
3	82.70	3	364.12	3	642.53	3	918.59	3	1,194.58	3	1,469.52	3	1,743.80	3	2,020.76	3	2,297.73	3	2,574.77	3	2,850.37
1/4	88.58	1/4	369.94	1/4	648.28	1/4	924.37	1/4	1,200.23	1/4	1,475.21	1/4	1,749.57	1/4	2,026.53	1/4	2,303.50	1/4	2,580.55	1/4	2,856.10
1/2	94.45	1/2	375.77	1/2	654.03	1/2	930.15	1/2	1,205.87	1/2	1,480.91	1/2	1,755.35	1/2	2,032.29	1/2	2,309.28	1/2	2,586.32	1/2	2,861.83
3/4	100.32	3/4	381.60	3/4	659.78	3/4	935.93	3/4	1,211.52	3/4	1,486.60	3/4	1,761.12	3/4	2,038.06	3/4	2,315.05	3/4	2,592.09	3/4	2,867.57
4	106.19	4	387.42	4	665.53	4	941.71	4	1,217.17	4	1,492.29	4	1,766.90	4	2,043.82	4	2,320.82	4	2,597.86	4	2,873.30
1/4	112.07	1/4	393.25	1/4	671.28	1/4	947.49	1/4	1,222.83	1/4	1,497.99	1/4	1,772.67	1/4	2,049.59	1/4	2,326.59	1/4	2,603.63	1/4	2,879.03
1/2	117.95	1/2	399.07	1/2	677.02	1/2	953.27	1/2	1,228.49	1/2	1,503.69	1/2	1,778.44	1/2	2,055.36	1/2	2,332.36	1/2	2,609.40	1/2	2,884.76
3/4	123.83	3/4	404.90	3/4	682.77	3/4	959.06	3/4	1,234.14	3/4	1,509.40	3/4	1,784.22	3/4	2,061.12	3/4	2,338.13	3/4	2,615.18	3/4	2,890.49
5	129.72	5	410.73	5	688.52	5	964.84	5	1,239.80	5	1,515.10	5	1,789.99	5	2,066.89	5	2,343.91	5	2,620.95	5	2,896.22
1/4	135.57	1/4	416.55	1/4	694.27	1/4	970.62	1/4	1,245.46	1/4	1,520.80	1/4	1,795.77	1/4	2,072.66	1/4	2,349.68	1/4	2,626.72	1/4	2,901.58
1/2	141.43	1/2	422.38	1/2	700.02	1/2	976.40	1/2	1,251.12	1/2	1,526.50	1/2	1,801.54	1/2	2,078.43	1/2	2,355.45	1/2	2,632.49	1/2	2,906.93
3/4	147.29	3/4	428.21	3/4	705.76	3/4	982.18	3/4	1,256.78	3/4	1,532.20	3/4	1,807.31	3/4	2,084.21	3/4	2,361.22	3/4	2,638.26	3/4	2,912.28
6	153.15	6	434.03	6	711.51	6	987.96	6	1,262.44	6	1,537.97	6	1,813.09	6	2,089.98	6	2,366.99	6	2,644.03	6	2,917.63
1/4	158.97	1/4	439.86	1/4	717.26	1/4	993.74	1/4	1,268.22	1/4	1,543.61	1/4	1,818.86	1/4	2,095.75	1/4	2,372.76	1/4	2,649.77	1/4	2,922.01
1/2	164.78	1/2	445.69	1/2	723.01	1/2	999.53	1/2	1,274.00	1/2	1,549.31	1/2	1,824.64	1/2	2,101.52	1/2	2,378.54	1/2	2,655.50	1/2	2,926.39
3/4	170.60	3/4	451.52	3/4	728.76	3/4	1,005.31	3/4	1,279.78	3/4	1,555.01	3/4	1,830.41	3/4	2,107.30	3/4	2,384.31	3/4	2,661.23	3/4	2,930.77
7	176.42	7	457.35	7	734.50	7	1,011.09	7	1,285.55	7	1,560.71	7	1,836.19	7	2,113.07	7	2,390.08	7	2,666.96	7	2,935.14
1/4	182.24	1/4	463.17	1/4	740.25	1/4	1,016.87	1/4	1,291.33	1/4	1,566.41	1/4	1,841.96	1/4	2,118.84	1/4	2,395.85	1/4	2,672.69	1/4	2,938.55
1/2	188.06	1/2	469.00	1/2	746.00	1/2	1,022.65	1/2	1,297.11	1/2	1,572.12	1/2	1,847.73	1/2	2,124.61	1/2	2,401.62	1/2	2,678.42	1/2	
3/4	193.88	3/4	474.83	3/4	751.75	3/4	1,028.43	3/4	1,302.89	3/4	1,577.82	3/4	1,853.51	3/4	2,130.39	3/4	2,407.39	3/4	2,684.16	3/4	
8	199.70	8	480.66	8	757.50	8	1,034.21	8	1,308.67	8	1,583.52	8	1,859.28	8	2,136.16	8	2,413.17	8	2,689.89	8	
1/4	205.52	1/4	486.44	1/4	763.24	1/4	1,039.99	1/4	1,314.45	1/4	1,589.22	1/4	1,865.06	1/4	2,141.93	1/4	2,418.94	1/4	2,695.62	1/4	
1/2	211.33	1/2	492.22	1/2	768.99	1/2	1,045.78	1/2	1,320.22	1/2	1,594.92	1/2	1,870.83	1/2	2,147.70	1/2	2,424.71	1/2	2,701.35	1/2	
3/4	217.15	3/4	498.00	3/4	774.74	3/4	1,051.56	3/4	1,326.00	3/4	1,600.62	3/4	1,876.61	3/4	2,153.48	3/4	2,430.48	3/4	2,707.08	3/4	
9	222.97	9	503.78	9	780.49	9	1,057.34	9	1,331.78	9	1,606.33	9	1,882.38	9	2,159.25	9	2,436.25	9	2,712.81	9	
1/4	228.80	1/4	509.56	1/4	786.24	1/4	1,063.12	1/4	1,337.56	1/4	1,612.03	1/4	1,888.15	1/4	2,165.02	1/4	2,442.02	1/4	2,718.54	1/4	
1/2	234.63	1/2	515.34	1/2	791.99	1/2	1,068.90	1/2	1,343.34	1/2	1,617.73	1/2	1,893.91	1/2	2,170.80	1/2	2,447.80	1/2	2,724.28	1/2	
3/4	240.46	3/4	521.12	3/4	797.74	3/4	1,074.68	3/4	1,349.12	3/4	1,623.43	3/4	1,899.68	3/4	2,176.57	3/4	2,453.57	3/4	2,730.01	3/4	
10	246.29	10	526.91	10	803.49	10	1,080.46	10	1,354.89	10	1,629.13	10	1,905.44	10	2,182.34	10	2,459.34	10	2,735.74	10	
1/4	252.18	1/4	532.69	1/4	809.24	1/4	1,086.25	1/4	1,360.67	1/4	1,634.86	1/4	1,911.21	1/4	2,188.11	1/4	2,465.11	1/4	2,741.47	1/4	
1/2	258.08	1/2	538.47	1/2	814.99	1/2	1,092.03	1/2	1,366.45	1/2	1,640.58	1/2	1,916.97	1/2	2,193.87	1/2	2,470.88	1/2	2,747.20	1/2	
3/4	263.97	3/4	544.25	3/4	820.74	3/4	1,097.81	3/4	1,372.23	3/4	1,646.30	3/4	1,922.74	3/4	2,199.64	3/4	2,476.65	3/4	2,752.93	3/4	
11	269.87	11	550.03	11	826.49	11	1,103.59	11	1,378.01	11	1,652.02	11	1,928.51	11	2,205.41	11	2,482.43	11	2,758.67	11	
1/4	275.75	1/4	555.81	1/4	832.25	1/4	1,109.37	1/4	1,383.79	1/4	1,657.75	1/4	1,934.27	1/4	2,211.17	1/4	2,488.20	1/4	2,764.40	1/4	
1/2	281.63	1/2	561.59	1/2	838.00	1/2	1,115.15	1/2	1,389.56	1/2	1,663.47	1/2	1,940.04	1/2	2,216.94	1/2	2,493.97	1/2	2,770.13	1/2	
3/4	287.52	3/4	567.37	3/4	843.75	3/4	1,120.93	3/4	1,395.34	3/4	1,669.19	3/4	1,945.80	3/4	2,222.71	3/4	2,499.74	3/4	2,775.86	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 48'-06" FORWARD OF AFT BULKHEAD.
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 50'-06" FORWARD OF AFT BULKHEAD

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CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.

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