



BARGE "MM 78" MAGNOLIA MARINE

INNAGE TABLE

1 PORT OR STAR

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 4495

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.	
0	*	16.84	0	328.17	0	682.68	0	1,049.02	0	1,415.35	0	1,781.69	0	2,148.02	0	2,514.36	0	2,880.70	0	3,247.03	0	3,613.37	0	3,934.99	0		0		0
1/4		21.08	1/4	335.25	1/4	690.31	1/4	1,056.65	1/4	1,422.98	1/4	1,789.32	1/4	2,155.66	1/4	2,521.99	1/4	2,888.33	1/4	3,254.66	1/4	3,621.00	1/4	3,939.00	1/4		1/4		1/4
1/2		25.33	1/2	342.34	1/2	697.94	1/2	1,064.28	1/2	1,430.62	1/2	1,796.95	1/2	2,163.29	1/2	2,529.62	1/2	2,895.96	1/2	3,262.30	1/2	3,628.63	1/2	3,943.01	1/2		1/2		1/2
3/4		29.57	3/4	349.42	3/4	705.58	3/4	1,071.91	3/4	1,438.25	3/4	1,804.58	3/4	2,170.92	3/4	2,537.26	3/4	2,903.59	3/4	3,269.93	3/4	3,636.26	3/4	3,945.56	3/4		3/4		3/4
1		33.82	1	356.51	1	713.21	1	1,079.54	1	1,445.88	1	1,812.22	1	2,178.55	1	2,544.89	1	2,911.22	1	3,277.56	1	3,643.90	1	3,948.11	1		1		1
1/4		39.55	1/4	363.59	1/4	720.84	1/4	1,087.18	1/4	1,453.51	1/4	1,819.85	1/4	2,186.18	1/4	2,552.52	1/4	2,918.86	1/4	3,285.19	1/4	3,651.53	1/4	3,950.66	1/4		1/4		1/4
1/2		45.29	1/2	370.68	1/2	728.47	1/2	1,094.81	1/2	1,461.14	1/2	1,827.48	1/2	2,193.82	1/2	2,560.15	1/2	2,926.49	1/2	3,292.82	1/2	3,659.16	1/2	3,953.21	1/2		1/2		1/2
3/4		51.03	3/4	377.76	3/4	736.10	3/4	1,102.44	3/4	1,468.78	3/4	1,835.11	3/4	2,201.45	3/4	2,567.78	3/4	2,934.12	3/4	3,300.46	3/4	3,666.79	3/4	3,955.76	3/4		3/4		3/4
2		56.77	2	384.85	2	743.74	2	1,110.07	2	1,476.41	2	1,842.74	2	2,209.08	2	2,575.42	2	2,941.75	2	3,308.09	2	3,674.42	2	3,958.31	2		2		2
1/4		63.25	1/4	391.93	1/4	751.37	1/4	1,117.70	1/4	1,484.04	1/4	1,850.38	1/4	2,216.71	1/4	2,583.05	1/4	2,949.38	1/4	3,315.72	1/4	3,682.06	1/4	3,960.87	1/4		1/4		1/4
1/2		69.74	1/2	399.02	1/2	759.00	1/2	1,125.34	1/2	1,491.67	1/2	1,858.01	1/2	2,224.34	1/2	2,590.68	1/2	2,957.02	1/2	3,323.35	1/2	3,689.69	1/2	3,963.42	1/2		1/2		1/2
3/4		76.22	3/4	406.10	3/4	766.63	3/4	1,132.97	3/4	1,499.30	3/4	1,865.64	3/4	2,231.98	3/4	2,598.31	3/4	2,964.65	3/4	3,330.98	3/4	3,697.32	3/4	3,964.51	3/4		3/4		3/4
3		82.71	3	413.19	3	774.26	3	1,140.60	3	1,506.94	3	1,873.27	3	2,239.61	3	2,605.94	3	2,972.28	3	3,338.62	3	3,704.95	3	3,965.60	3		3		3
1/4		89.19	1/4	420.27	1/4	781.90	1/4	1,148.23	1/4	1,514.57	1/4	1,880.90	1/4	2,247.24	1/4	2,613.58	1/4	2,979.91	1/4	3,346.25	1/4	3,712.58	1/4	3,966.70	1/4		1/4		1/4
1/2		95.68	1/2	427.36	1/2	789.53	1/2	1,155.86	1/2	1,522.20	1/2	1,888.54	1/2	2,254.87	1/2	2,621.21	1/2	2,987.54	1/2	3,353.88	1/2	3,720.22	1/2	3,967.79	1/2		1/2		1/2
3/4		102.16	3/4	434.44	3/4	797.16	3/4	1,163.50	3/4	1,529.83	3/4	1,896.17	3/4	2,262.50	3/4	2,628.84	3/4	2,995.18	3/4	3,361.51	3/4	3,727.85	3/4	3,968.88	3/4		3/4		3/4
4		108.65	4	441.53	4	804.79	4	1,171.13	4	1,537.46	4	1,903.80	4	2,270.14	4	2,636.47	4	3,002.81	4	3,369.14	4	3,735.48	4	3,969.97	4		4		4
1/4		115.43	1/4	449.03	1/4	812.42	1/4	1,178.76	1/4	1,545.10	1/4	1,911.43	1/4	2,277.77	1/4	2,644.10	1/4	3,010.44	1/4	3,376.78	1/4	3,743.11	1/4	3,971.07	1/4		1/4		1/4
1/2		122.22	1/2	456.54	1/2	820.06	1/2	1,186.39	1/2	1,552.73	1/2	1,919.06	1/2	2,285.40	1/2	2,651.74	1/2	3,018.07	1/2	3,384.41	1/2	3,750.74	1/2	3,972.16	1/2		1/2		1/2
3/4		129.00	3/4	464.04	3/4	827.69	3/4	1,194.02	3/4	1,560.36	3/4	1,926.70	3/4	2,293.03	3/4	2,659.37	3/4	3,025.70	3/4	3,392.04	3/4	3,758.38	3/4	3,972.34	3/4		3/4		3/4
5		135.79	5	471.54	5	835.32	5	1,201.66	5	1,567.99	5	1,934.33	5	2,300.66	5	2,667.00	5	3,033.34	5	3,399.67	5	3,766.01	5	<u>3,972.52</u>	5		5		5
1/4		142.57	1/4	479.05	1/4	842.95	1/4	1,209.29	1/4	1,575.62	1/4	1,941.96	1/4	2,308.30	1/4	2,674.63	1/4	3,040.97	1/4	3,407.30	1/4	3,773.64	1/4		1/4		1/4		1/4
1/2		149.36	1/2	486.55	1/2	850.58	1/2	1,216.92	1/2	1,583.26	1/2	1,949.59	1/2	2,315.93	1/2	2,682.26	1/2	3,048.60	1/2	3,414.94	1/2	3,781.27	1/2		1/2		1/2		1/2
3/4		156.14	3/4	494.06	3/4	858.22	3/4	1,224.55	3/4	1,590.89	3/4	1,957.22	3/4	2,323.56	3/4	2,689.90	3/4	3,056.23	3/4	3,422.57	3/4	3,788.90	3/4		3/4		3/4		3/4
6		162.93	6	501.56	6	865.85	6	1,232.18	6	1,598.52	6	1,964.86	6	2,331.19	6	2,697.53	6	3,063.86	6	3,430.20	6	3,796.54	6		6		6		6
1/4		169.71	1/4	509.06	1/4	873.48	1/4	1,239.82	1/4	1,606.15	1/4	1,972.49	1/4	2,338.82	1/4	2,705.16	1/4	3,071.50	1/4	3,437.83	1/4	3,804.17	1/4		1/4		1/4		1/4
1/2		176.50	1/2	516.57	1/2	881.11	1/2	1,247.45	1/2	1,613.78	1/2	1,980.12	1/2	2,346.46	1/2	2,712.79	1/2	3,079.13	1/2	3,445.46	1/2	3,811.80	1/2		1/2		1/2		1/2
3/4		183.28	3/4	524.07	3/4	888.74	3/4	1,255.08	3/4	1,621.42	3/4	1,987.75	3/4	2,354.09	3/4	2,720.42	3/4	3,086.76	3/4	3,453.10	3/4	3,818.73	3/4		3/4		3/4		3/4
7		190.07	7	531.58	7	896.38	7	1,262.71	7	1,629.05	7	1,995.38	7	2,361.72	7	2,728.06	7	3,094.39	7	3,460.73	7	3,825.65	7		7		7		7
1/4		196.85	1/4	539.08	1/4	904.01	1/4	1,270.34	1/4	1,636.68	1/4	2,003.02	1/4	2,369.35	1/4	2,735.69	1/4	3,102.02	1/4	3,468.36	1/4	3,832.58	1/4		1/4		1/4		1/4
1/2		203.64	1/2	546.58	1/2	911.64	1/2	1,277.98	1/2	1,644.31	1/2	2,010.65	1/2	2,376.98	1/2	2,743.32	1/2	3,109.66	1/2	3,475.99	1/2	3,839.50	1/2		1/2		1/2		1/2
3/4		210.42	3/4	554.09	3/4	919.27	3/4	1,285.61	3/4	1,651.94	3/4	2,018.28	3/4	2,384.62	3/4	2,750.95	3/4	3,117.29	3/4	3,483.62	3/4	3,846.43	3/4		3/4		3/4		3/4
8		217.21	8	561.59	8	926.90	8	1,293.24	8	1,659.58	8	2,025.91	8	2,392.25	8	2,758.58	8	3,124.92	8	3,491.26	8	3,853.35	8		8		8		8
1/4		223.99	1/4	569.10	1/4	934.54	1/4	1,300.87	1/4	1,667.21	1/4	2,033.54	1/4	2,399.88	1/4	2,766.22	1/4	3,132.55	1/4	3,498.89	1/4	3,860.28	1/4		1/4		1/4		1/4
1/2		230.78	1/2	576.60	1/2	942.17	1/2	1,308.50	1/2	1,674.84	1/2	2,041.18	1/2	2,407.51	1/2	2,773.85	1/2	3,140.18	1/2	3,506.52	1/2	3,867.20	1/2		1/2		1/2		1/2
3/4		237.56	3/4	584.10	3/4	949.80	3/4	1,316.14	3/4	1,682.47	3/4	2,048.81	3/4	2,415.14	3/4	2,781.48	3/4	3,147.82	3/4	3,514.15	3/4	3,872.67	3/4		3/4		3/4		3/4
9		244.35	9	591.61	9	957.43	9	1,323.77	9	1,690.10	9	2,056.44	9	2,422.78	9	2,789.11	9	3,155.45	9	3,521.78	9	3,878.13	9		9		9		9
1/4		251.13	1/4	599.11	1/4	965.06	1/4	1,331.40	1/4	1,697.74	1/4	2,064.07	1/4	2,430.41	1/4	2,796.74	1/4	3,163.08	1/4	3,529.42	1/4	3,883.60	1/4		1/4		1/4		1/4
1/2		257.92	1/2	606.62	1/2	972.70	1/2	1,339.03	1/2	1,705.37	1/2	2,071.70	1/2	2,438.04	1/2	2,804.38	1/2	3,170.71	1/2	3,537.05	1/2	3,889.07	1/2		1/2		1/2		1/2
3/4		264.70	3/4	614.12	3/4	980.33	3/4	1,346.66	3/4	1,713.00	3/4	2,079.34	3/4	2,445.67	3/4	2,812.01	3/4	3,178.34	3/4	3,544.68	3/4	3,894.54	3/4		3/4		3/4		3/4
10		271.49	10	621.62	10	987.96	10	1,354.30	10	1,720.63	10	2,086.97	10	2,453.30	10	2,819.64	10	3,185.98	10	3,552.31	10	3,900.00	10		10		10		10
1/4		278.57	1/4	629.26	1/4	995.59	1/4	1,361.93	1/4	1,728.26	1/4	2,094.60	1/4	2,460.94	1/4	2,827.27	1/4	3,193.61	1/4	3,559.94	1/4	3,905.47	1/4		1/4		1/4		1/4
1/2		285.66	1/2	636.89	1/2	1,003.22	1/2	1,369.56	1/2	1,735.90	1/2	2,102.23	1/2	2,468.57	1/2	2,834.90	1/2	3,201.24	1/2	3,567.58	1/2	3,910.94	1/2		1/2		1/2		1/2
3/4																													



BARGE "MM 78" MAGNOLIA MARINE

INNAGE TABLE

2 PORT OR STAR

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 4495

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.			
0	*	14.63	0	348.93	0	702.88	0	1,056.83	0	1,410.78	0	1,764.74	0	2,118.69	0	2,472.64	0	2,826.59	0	3,180.54	0	3,534.50	0	3,845.03	0		0		0		0
1/4		19.12	1/4	356.30	1/4	710.25	1/4	1,064.21	1/4	1,418.16	1/4	1,772.11	1/4	2,126.06	1/4	2,480.01	1/4	2,833.97	1/4	3,187.92	1/4	3,541.87	1/4	3,848.90	1/4		1/4		1/4		1/4
1/2		23.62	1/2	363.68	1/2	717.63	1/2	1,071.58	1/2	1,425.53	1/2	1,779.48	1/2	2,133.44	1/2	2,487.39	1/2	2,841.34	1/2	3,195.29	1/2	3,549.24	1/2	3,852.76	1/2		1/2		1/2		1/2
3/4		28.11	3/4	371.05	3/4	725.00	3/4	1,078.95	3/4	1,432.91	3/4	1,786.86	3/4	2,140.81	3/4	2,494.76	3/4	2,848.71	3/4	3,202.67	3/4	3,556.62	3/4	3,855.22	3/4		3/4		3/4		3/4
1		32.60	1	378.42	1	732.38	1	1,086.33	1	1,440.28	1	1,794.23	1	2,148.18	1	2,502.14	1	2,856.09	1	3,210.04	1	3,563.99	1	3,857.69	1		1		1		1
1/4		38.94	1/4	385.80	1/4	739.75	1/4	1,093.70	1/4	1,447.65	1/4	1,801.61	1/4	2,155.56	1/4	2,509.51	1/4	2,863.46	1/4	3,217.41	1/4	3,571.37	1/4	3,860.15	1/4		1/4		1/4		1/4
1/2		45.28	1/2	393.17	1/2	747.12	1/2	1,101.08	1/2	1,455.03	1/2	1,808.98	1/2	2,162.93	1/2	2,516.88	1/2	2,870.84	1/2	3,224.79	1/2	3,578.74	1/2	3,862.61	1/2		1/2		1/2		1/2
3/4		51.62	3/4	400.55	3/4	754.50	3/4	1,108.45	3/4	1,462.40	3/4	1,816.35	3/4	2,170.31	3/4	2,524.26	3/4	2,878.21	3/4	3,232.16	3/4	3,586.11	3/4	3,865.07	3/4		3/4		3/4		3/4
2		57.96	2	407.92	2	761.87	2	1,115.82	2	1,469.78	2	1,823.73	2	2,177.68	2	2,531.63	2	2,885.58	2	3,239.54	2	3,593.49	2	3,867.53	2		2		2		2
1/4		65.23	1/4	415.29	1/4	769.25	1/4	1,123.20	1/4	1,477.15	1/4	1,831.10	1/4	2,185.05	1/4	2,539.01	1/4	2,892.96	1/4	3,246.91	1/4	3,600.86	1/4	3,869.99	1/4		1/4		1/4		1/4
1/2		72.49	1/2	422.67	1/2	776.62	1/2	1,130.57	1/2	1,484.52	1/2	1,838.48	1/2	2,192.43	1/2	2,546.38	1/2	2,900.33	1/2	3,254.28	1/2	3,608.24	1/2	3,872.45	1/2		1/2		1/2		1/2
3/4		79.75	3/4	430.04	3/4	783.99	3/4	1,137.95	3/4	1,491.90	3/4	1,845.85	3/4	2,199.80	3/4	2,553.75	3/4	2,907.71	3/4	3,261.66	3/4	3,615.61	3/4	3,873.51	3/4		3/4		3/4		3/4
3		87.02	3	437.42	3	791.37	3	1,145.32	3	1,499.27	3	1,853.22	3	2,207.18	3	2,561.13	3	2,915.08	3	3,269.03	3	3,622.98	3	3,874.56	3		3		3		3
1/4		94.28	1/4	444.79	1/4	798.74	1/4	1,152.69	1/4	1,506.65	1/4	1,860.60	1/4	2,214.55	1/4	2,568.50	1/4	2,922.45	1/4	3,276.41	1/4	3,630.36	1/4	3,875.61	1/4		1/4		1/4		1/4
1/2		101.54	1/2	452.16	1/2	806.12	1/2	1,160.07	1/2	1,514.02	1/2	1,867.97	1/2	2,221.92	1/2	2,575.88	1/2	2,929.83	1/2	3,283.78	1/2	3,637.73	1/2	3,876.67	1/2		1/2		1/2		1/2
3/4		108.81	3/4	459.54	3/4	813.49	3/4	1,167.44	3/4	1,521.39	3/4	1,875.35	3/4	2,229.30	3/4	2,583.25	3/4	2,937.20	3/4	3,291.15	3/4	3,645.11	3/4	3,877.72	3/4		3/4		3/4		3/4
4		116.07	4	466.91	4	820.86	4	1,174.82	4	1,528.77	4	1,882.72	4	2,236.67	4	2,590.62	4	2,944.58	4	3,298.53	4	3,652.48	4	3,878.78	4		4		4		4
1/4		123.33	1/4	474.29	1/4	828.24	1/4	1,182.19	1/4	1,536.14	1/4	1,890.09	1/4	2,244.05	1/4	2,598.00	1/4	2,951.95	1/4	3,305.90	1/4	3,659.85	1/4	3,879.83	1/4		1/4		1/4		1/4
1/2		130.59	1/2	481.66	1/2	835.61	1/2	1,189.56	1/2	1,543.52	1/2	1,897.47	1/2	2,251.42	1/2	2,605.37	1/2	2,959.32	1/2	3,313.28	1/2	3,667.23	1/2	3,880.88	1/2		1/2		1/2		1/2
3/4		137.86	3/4	489.03	3/4	842.99	3/4	1,196.94	3/4	1,550.89	3/4	1,904.84	3/4	2,258.79	3/4	2,612.75	3/4	2,966.70	3/4	3,320.65	3/4	3,674.60	3/4	3,881.06	3/4		3/4		3/4		3/4
5		145.12	5	496.41	5	850.36	5	1,204.31	5	1,558.26	5	1,912.22	5	2,266.17	5	2,620.12	5	2,974.07	5	3,328.02	5	3,681.98	5	<u>3,881.24</u>	5		5		5		5
1/4		152.38	1/4	503.78	1/4	857.73	1/4	1,211.69	1/4	1,565.64	1/4	1,919.59	1/4	2,273.54	1/4	2,627.49	1/4	2,981.45	1/4	3,335.40	1/4	3,689.35	1/4		1/4		1/4		1/4		1/4
1/2		159.65	1/2	511.16	1/2	865.11	1/2	1,219.06	1/2	1,573.01	1/2	1,926.96	1/2	2,280.92	1/2	2,634.87	1/2	2,988.82	1/2	3,342.77	1/2	3,696.72	1/2		1/2		1/2		1/2		1/2
3/4		166.91	3/4	518.53	3/4	872.48	3/4	1,226.43	3/4	1,580.39	3/4	1,934.34	3/4	2,288.29	3/4	2,642.24	3/4	2,996.19	3/4	3,350.15	3/4	3,704.10	3/4		3/4		3/4		3/4		3/4
6		174.17	6	525.90	6	879.86	6	1,233.81	6	1,587.76	6	1,941.71	6	2,295.66	6	2,649.62	6	3,003.57	6	3,357.52	6	3,711.47	6		6		6		6		6
1/4		181.44	1/4	533.28	1/4	887.23	1/4	1,241.18	1/4	1,595.13	1/4	1,949.09	1/4	2,303.04	1/4	2,656.99	1/4	3,010.94	1/4	3,364.89	1/4	3,718.85	1/4		1/4		1/4		1/4		1/4
1/2		188.70	1/2	540.65	1/2	894.60	1/2	1,248.56	1/2	1,602.51	1/2	1,956.46	1/2	2,310.41	1/2	2,664.36	1/2	3,018.32	1/2	3,372.27	1/2	3,726.22	1/2		1/2		1/2		1/2		1/2
3/4		195.96	3/4	548.03	3/4	901.98	3/4	1,255.93	3/4	1,609.88	3/4	1,963.83	3/4	2,317.79	3/4	2,671.74	3/4	3,025.69	3/4	3,379.64	3/4	3,732.90	3/4		3/4		3/4		3/4		3/4
7		203.22	7	555.40	7	909.35	7	1,263.30	7	1,617.26	7	1,971.21	7	2,325.16	7	2,679.11	7	3,033.06	7	3,387.02	7	3,739.58	7		7		7		7		7
1/4		210.49	1/4	562.77	1/4	916.73	1/4	1,270.68	1/4	1,624.63	1/4	1,978.58	1/4	2,332.53	1/4	2,686.49	1/4	3,040.44	1/4	3,394.39	1/4	3,746.26	1/4		1/4		1/4		1/4		1/4
1/2		217.75	1/2	570.15	1/2	924.10	1/2	1,278.05	1/2	1,632.00	1/2	1,985.96	1/2	2,339.91	1/2	2,693.86	1/2	3,047.81	1/2	3,401.76	1/2	3,752.94	1/2		1/2		1/2		1/2		1/2
3/4		225.01	3/4	577.52	3/4	931.47	3/4	1,285.43	3/4	1,639.38	3/4	1,993.33	3/4	2,347.28	3/4	2,701.23	3/4	3,055.19	3/4	3,409.14	3/4	3,759.61	3/4		3/4		3/4		3/4		3/4
8		232.28	8	584.90	8	938.85	8	1,292.80	8	1,646.75	8	2,000.70	8	2,354.66	8	2,708.61	8	3,062.56	8	3,416.51	8	3,766.29	8		8		8		8		8
1/4		239.54	1/4	592.27	1/4	946.22	1/4	1,300.17	1/4	1,654.13	1/4	2,008.08	1/4	2,362.03	1/4	2,715.98	1/4	3,069.93	1/4	3,423.89	1/4	3,772.97	1/4		1/4		1/4		1/4		1/4
1/2		246.80	1/2	599.64	1/2	953.60	1/2	1,307.55	1/2	1,661.50	1/2	2,015.45	1/2	2,369.40	1/2	2,723.36	1/2	3,077.31	1/2	3,431.26	1/2	3,779.65	1/2		1/2		1/2		1/2		1/2
3/4		254.07	3/4	607.02	3/4	960.97	3/4	1,314.92	3/4	1,668.87	3/4	2,022.83	3/4	2,376.78	3/4	2,730.73	3/4	3,084.68	3/4	3,438.63	3/4	3,784.92	3/4		3/4		3/4		3/4		3/4
9		261.33	9	614.39	9	968.34	9	1,322.30	9	1,676.25	9	2,030.20	9	2,384.15	9	2,738.10	9	3,092.06	9	3,446.01	9	3,790.20	9		9		9		9		9
1/4		268.59	1/4	621.77	1/4	975.72	1/4	1,329.67	1/4	1,683.62	1/4	2,037.57	1/4	2,391.53	1/4	2,745.48	1/4	3,099.43	1/4	3,453.38	1/4	3,795.47	1/4		1/4		1/4		1/4		1/4
1/2		275.85	1/2	629.14	1/2	983.09	1/2	1,337.04	1/2	1,691.00	1/2	2,044.95	1/2	2,398.90	1/2	2,752.85	1/2	3,106.80	1/2	3,460.76	1/2	3,800.74	1/2		1/2		1/2		1/2		1/2
3/4		283.12	3/4	636.51	3/4	990.47	3/4	1,344.42	3/4	1,698.37	3/4	2,052.32	3/4	2,406.27	3/4	2,760.23	3/4	3,114.18	3/4	3,468.13	3/4	3,806.01	3/4		3/4		3/4		3/4		3/4
10		290.38	10	643.89	10	997.84	10	1,351.79	10	1,705.74	10	2,059.70	10	2,413.65	10	2,767.60	10	3,121.55	10	3,475.50	10	3,811.28	10		10	</					



BARGE "MM 78" MAGNOLIA MARINE

INNAGE TABLE

3 PORT OR STAR

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 4495

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.	
N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I
0	*	15.08	0	360.00	0	725.04	0	1,090.08	0	1,455.12	0	1,820.16	0	2,185.20	0	2,550.24	0	2,915.28	0	3,280.32	0	3,645.36	0	3,965.68	0		0		0
1/4		19.72	1/4	367.61	1/4	732.65	1/4	1,097.69	1/4	1,462.73	1/4	1,827.77	1/4	2,192.81	1/4	2,557.85	1/4	2,922.89	1/4	3,287.93	1/4	3,652.97	1/4	3,969.67	1/4		1/4		1/4
1/2		24.35	1/2	375.21	1/2	740.25	1/2	1,105.29	1/2	1,470.33	1/2	1,835.37	1/2	2,200.41	1/2	2,565.45	1/2	2,930.49	1/2	3,295.53	1/2	3,660.57	1/2	3,973.66	1/2		1/2		1/2
3/4		28.99	3/4	382.82	3/4	747.86	3/4	1,112.90	3/4	1,477.94	3/4	1,842.98	3/4	2,208.02	3/4	2,573.06	3/4	2,938.10	3/4	3,303.14	3/4	3,668.18	3/4	3,976.20	3/4		3/4		3/4
1		33.63	1	390.42	1	755.46	1	1,120.50	1	1,485.54	1	1,850.58	1	2,215.62	1	2,580.66	1	2,945.70	1	3,310.74	1	3,675.78	1	3,978.74	1		1		1
1/4		40.17	1/4	398.03	1/4	763.07	1/4	1,128.11	1/4	1,493.15	1/4	1,858.19	1/4	2,223.23	1/4	2,588.27	1/4	2,953.31	1/4	3,318.35	1/4	3,683.39	1/4	3,981.28	1/4		1/4		1/4
1/2		46.71	1/2	405.63	1/2	770.67	1/2	1,135.71	1/2	1,500.75	1/2	1,865.79	1/2	2,230.83	1/2	2,595.87	1/2	2,960.91	1/2	3,325.95	1/2	3,690.99	1/2	3,983.81	1/2		1/2		1/2
3/4		53.25	3/4	413.24	3/4	778.28	3/4	1,143.32	3/4	1,508.36	3/4	1,873.40	3/4	2,238.44	3/4	2,603.48	3/4	2,968.52	3/4	3,333.56	3/4	3,698.60	3/4	3,986.35	3/4		3/4		3/4
2		59.80	2	420.84	2	785.88	2	1,150.92	2	1,515.96	2	1,881.00	2	2,246.04	2	2,611.08	2	2,976.12	2	3,341.16	2	3,706.20	2	3,988.89	2		2		2
1/4		67.29	1/4	428.45	1/4	793.49	1/4	1,158.53	1/4	1,523.57	1/4	1,888.61	1/4	2,253.65	1/4	2,618.69	1/4	2,983.73	1/4	3,348.77	1/4	3,713.81	1/4	3,991.43	1/4		1/4		1/4
1/2		74.78	1/2	436.05	1/2	801.09	1/2	1,166.13	1/2	1,531.17	1/2	1,896.21	1/2	2,261.25	1/2	2,626.29	1/2	2,991.33	1/2	3,356.37	1/2	3,721.41	1/2	3,993.97	1/2		1/2		1/2
3/4		82.28	3/4	443.66	3/4	808.70	3/4	1,173.74	3/4	1,538.78	3/4	1,903.82	3/4	2,268.86	3/4	2,633.90	3/4	2,998.94	3/4	3,363.98	3/4	3,729.02	3/4	3,995.06	3/4		3/4		3/4
3		89.77	3	451.26	3	816.30	3	1,181.34	3	1,546.38	3	1,911.42	3	2,276.46	3	2,641.50	3	3,006.54	3	3,371.58	3	3,736.62	3	3,996.15	3		3		3
1/4		97.27	1/4	458.87	1/4	823.91	1/4	1,188.95	1/4	1,553.99	1/4	1,919.03	1/4	2,284.07	1/4	2,649.11	1/4	3,014.15	1/4	3,379.19	1/4	3,744.23	1/4	3,997.23	1/4		1/4		1/4
1/2		104.76	1/2	466.47	1/2	831.51	1/2	1,196.55	1/2	1,561.59	1/2	1,926.63	1/2	2,291.67	1/2	2,656.71	1/2	3,021.75	1/2	3,386.79	1/2	3,751.83	1/2	3,998.32	1/2		1/2		1/2
3/4		112.25	3/4	474.08	3/4	839.12	3/4	1,204.16	3/4	1,569.20	3/4	1,934.24	3/4	2,299.28	3/4	2,664.32	3/4	3,029.36	3/4	3,394.40	3/4	3,759.44	3/4	3,999.41	3/4		3/4		3/4
4		119.75	4	481.68	4	846.72	4	1,211.76	4	1,576.80	4	1,941.84	4	2,306.88	4	2,671.92	4	3,036.96	4	3,402.00	4	3,767.04	4	4,000.50	4		4		4
1/4		127.24	1/4	489.29	1/4	854.33	1/4	1,219.37	1/4	1,584.41	1/4	1,949.45	1/4	2,314.49	1/4	2,679.53	1/4	3,044.57	1/4	3,409.61	1/4	3,774.65	1/4	4,001.59	1/4		1/4		1/4
1/2		134.74	1/2	496.89	1/2	861.93	1/2	1,226.97	1/2	1,592.01	1/2	1,957.05	1/2	2,322.09	1/2	2,687.13	1/2	3,052.17	1/2	3,417.21	1/2	3,782.25	1/2	4,002.67	1/2		1/2		1/2
3/4		142.23	3/4	504.50	3/4	869.54	3/4	1,234.58	3/4	1,599.62	3/4	1,964.66	3/4	2,329.70	3/4	2,694.74	3/4	3,059.78	3/4	3,424.82	3/4	3,789.86	3/4	4,002.86	3/4		3/4		3/4
5		149.72	5	512.10	5	877.14	5	1,242.18	5	1,607.22	5	1,972.26	5	2,337.30	5	2,702.34	5	3,067.38	5	3,432.42	5	3,797.46	5	4,003.04	5		5		5
1/4		157.22	1/4	519.71	1/4	884.75	1/4	1,249.79	1/4	1,614.83	1/4	1,979.87	1/4	2,344.91	1/4	2,709.95	1/4	3,074.99	1/4	3,440.03	1/4	3,805.07	1/4		1/4		1/4		1/4
1/2		164.71	1/2	527.31	1/2	892.35	1/2	1,257.39	1/2	1,622.43	1/2	1,987.47	1/2	2,352.91	1/2	2,717.55	1/2	3,082.59	1/2	3,447.63	1/2	3,812.67	1/2		1/2		1/2		1/2
3/4		172.21	3/4	534.92	3/4	899.96	3/4	1,265.00	3/4	1,630.04	3/4	1,995.08	3/4	2,360.12	3/4	2,725.16	3/4	3,090.20	3/4	3,455.24	3/4	3,820.28	3/4		3/4		3/4		3/4
6		179.70	6	542.52	6	907.56	6	1,272.60	6	1,637.64	6	2,002.68	6	2,367.72	6	2,732.76	6	3,097.80	6	3,462.84	6	3,827.88	6		6		6		6
1/4		187.19	1/4	550.13	1/4	915.17	1/4	1,280.21	1/4	1,645.25	1/4	2,010.29	1/4	2,375.33	1/4	2,740.37	1/4	3,105.41	1/4	3,470.45	1/4	3,835.49	1/4		1/4		1/4		1/4
1/2		194.69	1/2	557.73	1/2	922.77	1/2	1,287.81	1/2	1,652.85	1/2	2,017.89	1/2	2,382.93	1/2	2,747.97	1/2	3,113.01	1/2	3,478.05	1/2	3,843.09	1/2		1/2		1/2		1/2
3/4		202.18	3/4	565.34	3/4	930.38	3/4	1,295.42	3/4	1,660.46	3/4	2,025.50	3/4	2,390.54	3/4	2,755.58	3/4	3,120.62	3/4	3,485.66	3/4	3,849.98	3/4		3/4		3/4		3/4
7		209.68	7	572.94	7	937.98	7	1,303.02	7	1,668.06	7	2,033.10	7	2,398.14	7	2,763.18	7	3,128.22	7	3,493.26	7	3,856.87	7		7		7		7
1/4		217.17	1/4	580.55	1/4	945.59	1/4	1,310.63	1/4	1,675.67	1/4	2,040.71	1/4	2,405.75	1/4	2,770.79	1/4	3,135.83	1/4	3,500.87	1/4	3,863.76	1/4		1/4		1/4		1/4
1/2		224.66	1/2	588.15	1/2	953.19	1/2	1,318.23	1/2	1,683.27	1/2	2,048.31	1/2	2,413.35	1/2	2,778.39	1/2	3,143.43	1/2	3,508.47	1/2	3,870.65	1/2		1/2		1/2		1/2
3/4		232.16	3/4	595.76	3/4	960.80	3/4	1,325.84	3/4	1,690.88	3/4	2,055.92	3/4	2,420.96	3/4	2,786.00	3/4	3,151.04	3/4	3,516.08	3/4	3,877.55	3/4		3/4		3/4		3/4
8		239.65	8	603.36	8	968.40	8	1,333.44	8	1,698.48	8	2,063.52	8	2,428.56	8	2,793.60	8	3,158.64	8	3,523.68	8	3,884.44	8		8		8		8
1/4		247.15	1/4	610.97	1/4	976.01	1/4	1,341.05	1/4	1,706.09	1/4	2,071.13	1/4	2,436.17	1/4	2,801.21	1/4	3,166.25	1/4	3,531.29	1/4	3,891.33	1/4		1/4		1/4		1/4
1/2		254.64	1/2	618.57	1/2	983.61	1/2	1,348.65	1/2	1,713.69	1/2	2,078.73	1/2	2,443.77	1/2	2,808.81	1/2	3,173.85	1/2	3,538.89	1/2	3,898.22	1/2		1/2		1/2		1/2
3/4		262.13	3/4	626.18	3/4	991.22	3/4	1,356.26	3/4	1,721.30	3/4	2,086.34	3/4	2,451.38	3/4	2,816.42	3/4	3,181.46	3/4	3,546.50	3/4	3,903.66	3/4		3/4		3/4		3/4
9		269.63	9	633.78	9	998.82	9	1,363.86	9	1,728.90	9	2,093.94	9	2,458.98	9	2,824.02	9	3,189.06	9	3,554.10	9	3,909.10	9		9		9		9
1/4		277.12	1/4	641.39	1/4	1,006.43	1/4	1,371.47	1/4	1,736.51	1/4	2,101.55	1/4	2,466.59	1/4	2,831.63	1/4	3,196.67	1/4	3,561.71	1/4	3,914.54	1/4		1/4		1/4		1/4
1/2		284.62	1/2	648.99	1/2	1,014.03	1/2	1,379.07	1/2	1,744.11	1/2	2,109.15	1/2	2,474.19	1/2	2,839.23	1/2	3,204.27	1/2	3,569.31	1/2	3,919.98	1/2		1/2		1/2		1/2
3/4		292.11	3/4	656.60	3/4	1,021.64	3/4	1,386.68	3/4	1,751.72	3/4	2,116.76	3/4	2,481.80	3/4	2,846.84	3/4	3,211.88	3/4	3,576.92	3/4	3,925.42	3/4		3/4		3/4		3/4
10		299.60	10	664.20	10	1,029.24	10	1,394.28	10	1,759.32	10	2,124.36	10	2,489.40	10	2,854.44	10	3,219.48	10	3,584.52	10	3,930.86	10		10		10		10
1/4		307.10	1/4	671.81	1/4	1,036.85	1/4	1,401.89	1/4	1,766.93	1/4	2,131.97	1/4	2,497.01	1/4	2,862.05	1/4	3,227.09	1/4	3,592.13	1/4	3,936.30	1/4		1/				



BARGE "MM 78" MAGNOLIA MARINE OUTAGE TABLE

1 PORT

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 4495

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		
0		0	3,930.98	0	3,605.74	0	3,239.40	0	2,873.06	0	2,506.73	0	2,140.39	0	1,774.06	0	1,407.72	0	1,041.38	0	675.05	0	321.08	0		0				
1/4		1/4	3,926.97	1/4	3,598.10	1/4	3,231.77	1/4	2,865.43	1/4	2,499.10	1/4	2,132.76	1/4	1,766.42	1/4	1,400.09	1/4	1,033.75	1/4	667.42	1/4	314.00	1/4		1/4				
1/2		1/2	3,922.96	1/2	3,590.47	1/2	3,224.14	1/2	2,857.80	1/2	2,491.46	1/2	2,125.13	1/2	1,758.79	1/2	1,392.46	1/2	1,026.12	1/2	659.78	1/2	306.91	1/2		1/2				
3/4		3/4	3,918.95	3/4	3,582.84	3/4	3,216.50	3/4	2,850.17	3/4	2,483.83	3/4	2,117.50	3/4	1,751.16	3/4	1,384.82	3/4	1,018.49	3/4	652.15	3/4	299.83	3/4		3/4				
1		1	3,914.95	1	3,575.21	1	3,208.87	1	2,842.54	1	2,476.20	1	2,109.86	1	1,743.53	1	1,377.19	1	1,010.86	1	644.52	1	292.74	1		1				
1/4		1/4	3,910.94	1/4	3,567.58	1/4	3,201.24	1/4	2,834.90	1/4	2,468.57	1/4	2,102.23	1/4	1,735.90	1/4	1,369.56	1/4	1,003.22	1/4	636.89	1/4	285.66	1/4		1/4				
1/2		1/2	3,905.47	1/2	3,559.94	1/2	3,193.61	1/2	2,827.27	1/2	2,460.94	1/2	2,094.60	1/2	1,728.26	1/2	1,361.93	1/2	995.59	1/2	629.26	1/2	278.57	1/2		1/2				
3/4		3/4	3,900.00	3/4	3,552.31	3/4	3,185.98	3/4	2,819.64	3/4	2,453.30	3/4	2,086.97	3/4	1,720.63	3/4	1,354.30	3/4	987.96	3/4	621.62	3/4	271.49	3/4		3/4				
2		2	3,894.54	2	3,544.68	2	3,178.34	2	2,812.01	2	2,445.67	2	2,079.34	2	1,713.00	2	1,346.66	2	980.33	2	614.12	2	264.70	2		2				
1/4		1/4	3,889.07	1/4	3,537.05	1/4	3,170.71	1/4	2,804.38	1/4	2,438.04	1/4	2,071.70	1/4	1,705.37	1/4	1,339.03	1/4	972.70	1/4	606.62	1/4	257.92	1/4		1/4				
1/2		1/2	3,883.60	1/2	3,529.42	1/2	3,163.08	1/2	2,796.74	1/2	2,430.41	1/2	2,064.07	1/2	1,697.74	1/2	1,331.40	1/2	965.06	1/2	599.11	1/2	251.13	1/2		1/2				
3/4		3/4	3,878.13	3/4	3,521.78	3/4	3,155.45	3/4	2,789.11	3/4	2,422.78	3/4	2,056.44	3/4	1,690.10	3/4	1,323.77	3/4	957.43	3/4	591.61	3/4	244.35	3/4		3/4				
3		3	3,872.67	3	3,514.15	3	3,147.82	3	2,781.48	3	2,415.14	3	2,048.81	3	1,682.47	3	1,316.14	3	949.80	3	584.10	3	237.56	3		3				
1/4		1/4	3,867.20	1/4	3,506.52	1/4	3,140.18	1/4	2,773.85	1/4	2,407.51	1/4	2,041.18	1/4	1,674.84	1/4	1,308.50	1/4	942.17	1/4	576.60	1/4	230.78	1/4		1/4				
1/2		1/2	3,860.28	1/2	3,498.89	1/2	3,132.55	1/2	2,766.22	1/2	2,399.88	1/2	2,033.54	1/2	1,667.21	1/2	1,300.87	1/2	934.54	1/2	569.10	1/2	223.99	1/2		1/2				
3/4		3/4	3,853.35	3/4	3,491.26	3/4	3,124.92	3/4	2,758.58	3/4	2,392.25	3/4	2,025.91	3/4	1,659.58	3/4	1,293.24	3/4	926.90	3/4	561.59	3/4	217.21	3/4		3/4				
4		4	3,846.43	4	3,483.62	4	3,117.29	4	2,750.95	4	2,384.62	4	2,018.28	4	1,651.94	4	1,285.61	4	919.27	4	554.09	4	210.42	4		4				
1/4		1/4	3,839.50	1/4	3,475.99	1/4	3,109.66	1/4	2,743.32	1/4	2,376.98	1/4	2,010.65	1/4	1,644.31	1/4	1,277.98	1/4	911.64	1/4	546.58	1/4	203.64	1/4		1/4				
1/2		1/2	3,832.58	1/2	3,468.36	1/2	3,102.02	1/2	2,735.69	1/2	2,369.35	1/2	2,003.02	1/2	1,636.68	1/2	1,270.34	1/2	904.01	1/2	539.08	1/2	196.85	1/2		1/2				
3/4		3/4	3,825.65	3/4	3,460.73	3/4	3,094.39	3/4	2,728.06	3/4	2,361.72	3/4	1,995.38	3/4	1,629.05	3/4	1,262.71	3/4	896.38	3/4	531.58	3/4	190.07	3/4		3/4				
5		5	3,818.73	5	3,453.10	5	3,086.76	5	2,720.42	5	2,354.09	5	1,987.75	5	1,621.42	5	1,255.08	5	888.74	5	524.07	5	183.28	5		5				
1/4		1/4	3,811.80	1/4	3,445.46	1/4	3,079.13	1/4	2,712.79	1/4	2,346.46	1/4	1,980.12	1/4	1,613.78	1/4	1,247.45	1/4	881.11	1/4	516.57	1/4	176.50	1/4		1/4				
1/2		1/2	3,804.17	1/2	3,437.83	1/2	3,071.50	1/2	2,705.16	1/2	2,338.82	1/2	1,972.49	1/2	1,606.15	1/2	1,239.82	1/2	873.48	1/2	509.06	1/2	169.71	1/2		1/2				
3/4		3/4	3,796.54	3/4	3,430.20	3/4	3,063.86	3/4	2,697.53	3/4	2,331.19	3/4	1,964.86	3/4	1,598.52	3/4	1,232.18	3/4	865.85	3/4	501.56	3/4	162.93	3/4		3/4				
6		6	3,788.90	6	3,422.57	6	3,056.23	6	2,689.90	6	2,323.56	6	1,957.22	6	1,590.89	6	1,224.55	6	858.22	6	494.06	6	156.14	6		6				
1/4		1/4	3,781.27	1/4	3,414.94	1/4	3,048.60	1/4	2,682.26	1/4	2,315.93	1/4	1,949.59	1/4	1,583.26	1/4	1,216.92	1/4	850.58	1/4	486.55	1/4	149.36	1/4		1/4				
1/2		1/2	3,773.64	1/2	3,407.30	1/2	3,040.97	1/2	2,674.63	1/2	2,308.30	1/2	1,941.96	1/2	1,575.62	1/2	1,209.29	1/2	842.95	1/2	479.05	1/2	142.57	1/2		1/2				
3/4		3/4	3,772.52	3/4	3,766.01	3/4	3,399.67	3/4	3,033.34	3/4	2,667.00	3/4	2,300.66	3/4	1,934.33	3/4	1,567.99	3/4	835.32	3/4	471.54	3/4	135.79	3/4		3/4				
7		7	3,972.34	7	3,758.38	7	3,392.04	7	3,025.70	7	2,659.37	7	2,293.03	7	1,926.70	7	1,560.36	7	827.69	7	464.04	7	129.00	7		7				
1/4		1/4	3,972.16	1/4	3,750.74	1/4	3,384.41	1/4	3,018.07	1/4	2,651.74	1/4	2,285.40	1/4	1,919.06	1/4	1,552.73	1/4	820.06	1/4	456.54	1/4	122.22	1/4		1/4				
1/2		1/2	3,971.07	1/2	3,743.11	1/2	3,376.78	1/2	3,010.44	1/2	2,644.10	1/2	2,277.77	1/2	1,911.43	1/2	1,545.10	1/2	812.42	1/2	449.03	1/2	115.43	1/2		1/2				
3/4		3/4	3,969.97	3/4	3,735.48	3/4	3,369.14	3/4	3,002.81	3/4	2,636.47	3/4	2,270.14	3/4	1,903.80	3/4	1,537.46	3/4	804.79	3/4	441.53	3/4	108.65	3/4		3/4				
8		8	3,968.88	8	3,727.85	8	3,361.51	8	2,995.18	8	2,628.84	8	2,262.50	8	1,896.17	8	1,529.83	8	797.16	8	434.44	8	102.16	8		8				
1/4		1/4	3,967.79	1/4	3,720.22	1/4	3,353.88	1/4	2,987.54	1/4	2,621.21	1/4	2,254.87	1/4	1,888.54	1/4	1,522.20	1/4	789.53	1/4	427.36	1/4	95.68	1/4		1/4				
1/2		1/2	3,966.70	1/2	3,712.58	1/2	3,346.25	1/2	2,979.91	1/2	2,613.58	1/2	2,247.24	1/2	1,880.90	1/2	1,514.57	1/2	781.90	1/2	420.27	1/2	89.19	1/2		1/2				
3/4		3/4	3,965.60	3/4	3,704.95	3/4	3,338.62	3/4	2,972.28	3/4	2,605.94	3/4	2,239.61	3/4	1,873.27	3/4	1,506.94	3/4	774.26	3/4	413.19	3/4	82.71	3/4		3/4				
9		9	3,964.51	9	3,697.32	9	3,330.98	9	2,964.65	9	2,598.31	9	2,231.98	9	1,865.64	9	1,499.30	9	766.63	9	406.10	9	76.22	9		9				
1/4		1/4	3,963.42	1/4	3,689.69	1/4	3,323.35	1/4	2,957.02	1/4	2,590.68	1/4	2,224.34	1/4	1,858.01	1/4	1,491.67	1/4	759.00	1/4	399.02	1/4	69.74	1/4		1/4				
1/2		1/2	3,960.87	1/2	3,682.06	1/2	3,315.72	1/2	2,949.38	1/2	2,583.05	1/2	2,216.71	1/2	1,850.38	1/2	1,484.04	1/2	751.37	1/2	391.93	1/2	63.25	1/2		1/2				
3/4																														



BARGE "MM 78" MAGNOLIA MARINE

OUTGAUGE TABLE

1 STAR

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 4495

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.	IN	12 FT.	IN	13 FT.	IN	14 FT.
0		0	3,926.97	0	3,598.10	0	3,231.77	0	2,865.43	0	2,499.10	0	2,132.76	0	1,766.42	0	1,400.09	0	1,033.75	0	667.42	0	314.00	0		0			
1/4		1/4	3,922.96	1/4	3,590.47	1/4	3,224.14	1/4	2,857.80	1/4	2,491.46	1/4	2,125.13	1/4	1,758.79	1/4	1,392.46	1/4	1,026.12	1/4	659.78	1/4	306.91	1/4		1/4			
1/2		1/2	3,918.95	1/2	3,582.84	1/2	3,216.50	1/2	2,850.17	1/2	2,483.83	1/2	2,117.50	1/2	1,751.16	1/2	1,384.82	1/2	1,018.49	1/2	652.15	1/2	299.83	1/2		1/2			
3/4		3/4	3,914.95	3/4	3,575.21	3/4	3,208.87	3/4	2,842.54	3/4	2,476.20	3/4	2,109.86	3/4	1,743.53	3/4	1,377.19	3/4	1,010.86	3/4	644.52	3/4	292.74	3/4		3/4			
1		1	3,910.94	1	3,567.58	1	3,201.24	1	2,834.90	1	2,468.57	1	2,102.23	1	1,735.90	1	1,369.56	1	1,003.22	1	636.89	1	285.66	1		1			
1/4		1/4	3,905.47	1/4	3,559.94	1/4	3,193.61	1/4	2,827.27	1/4	2,460.94	1/4	2,094.60	1/4	1,728.26	1/4	1,361.93	1/4	995.59	1/4	629.26	1/4	278.57	1/4		1/4			
1/2		1/2	3,900.00	1/2	3,552.31	1/2	3,185.98	1/2	2,819.64	1/2	2,453.30	1/2	2,086.97	1/2	1,720.63	1/2	1,354.30	1/2	987.96	1/2	621.62	1/2	271.49	1/2		1/2			
3/4		3/4	3,894.54	3/4	3,544.68	3/4	3,178.34	3/4	2,812.01	3/4	2,445.67	3/4	2,079.34	3/4	1,713.00	3/4	1,346.66	3/4	980.33	3/4	614.12	3/4	264.70	3/4		3/4			
2		2	3,889.07	2	3,537.05	2	3,170.71	2	2,804.38	2	2,438.04	2	2,071.70	2	1,705.37	2	1,339.03	2	972.70	2	606.62	2	257.92	2		2			
1/4		1/4	3,883.60	1/4	3,529.42	1/4	3,163.08	1/4	2,796.74	1/4	2,430.41	1/4	2,064.07	1/4	1,697.74	1/4	1,331.40	1/4	965.06	1/4	599.11	1/4	251.13	1/4		1/4			
1/2		1/2	3,878.13	1/2	3,521.78	1/2	3,155.45	1/2	2,789.11	1/2	2,422.78	1/2	2,056.44	1/2	1,690.10	1/2	1,323.77	1/2	957.43	1/2	591.61	1/2	244.35	1/2		1/2			
3/4		3/4	3,872.67	3/4	3,514.15	3/4	3,147.82	3/4	2,781.48	3/4	2,415.14	3/4	2,048.81	3/4	1,682.47	3/4	1,316.14	3/4	949.80	3/4	584.10	3/4	237.56	3/4		3/4			
3		3	3,867.20	3	3,506.52	3	3,140.18	3	2,773.85	3	2,407.51	3	2,041.18	3	1,674.84	3	1,308.50	3	942.17	3	576.60	3	230.78	3		3			
1/4		1/4	3,860.28	1/4	3,498.89	1/4	3,132.55	1/4	2,766.22	1/4	2,399.88	1/4	2,033.54	1/4	1,667.21	1/4	1,300.87	1/4	934.54	1/4	569.10	1/4	223.99	1/4		1/4			
1/2		1/2	3,853.35	1/2	3,491.26	1/2	3,124.92	1/2	2,758.58	1/2	2,392.25	1/2	2,025.91	1/2	1,659.58	1/2	1,293.24	1/2	926.90	1/2	561.59	1/2	217.21	1/2		1/2			
3/4		3/4	3,846.43	3/4	3,483.62	3/4	3,117.29	3/4	2,750.95	3/4	2,384.62	3/4	2,018.28	3/4	1,651.94	3/4	1,285.61	3/4	919.27	3/4	554.09	3/4	210.42	3/4		3/4			
4		4	3,839.50	4	3,475.99	4	3,109.66	4	2,743.32	4	2,376.98	4	2,010.65	4	1,644.31	4	1,277.98	4	911.64	4	546.58	4	203.64	4		4			
1/4		1/4	3,832.58	1/4	3,468.36	1/4	3,102.02	1/4	2,735.69	1/4	2,369.35	1/4	2,003.02	1/4	1,636.68	1/4	1,270.34	1/4	904.01	1/4	539.08	1/4	196.85	1/4		1/4			
1/2		1/2	3,825.65	1/2	3,460.73	1/2	3,094.39	1/2	2,728.06	1/2	2,361.72	1/2	1,995.38	1/2	1,629.05	1/2	1,262.71	1/2	896.38	1/2	531.58	1/2	190.07	1/2		1/2			
3/4		3/4	3,818.73	3/4	3,453.10	3/4	3,086.76	3/4	2,720.42	3/4	2,354.09	3/4	1,987.75	3/4	1,621.42	3/4	1,255.08	3/4	888.74	3/4	524.07	3/4	183.28	3/4		3/4			
5		5	3,811.80	5	3,445.46	5	3,079.13	5	2,712.79	5	2,346.46	5	1,980.12	5	1,613.78	5	1,247.45	5	881.11	5	516.57	5	176.50	5		5			
1/4		1/4	3,804.17	1/4	3,437.83	1/4	3,071.50	1/4	2,705.16	1/4	2,338.82	1/4	1,972.49	1/4	1,606.15	1/4	1,239.82	1/4	873.48	1/4	509.06	1/4	169.71	1/4		1/4			
1/2		1/2	3,796.54	1/2	3,430.20	1/2	3,063.86	1/2	2,697.53	1/2	2,331.19	1/2	1,964.86	1/2	1,598.52	1/2	1,232.18	1/2	865.85	1/2	501.56	1/2	162.93	1/2		1/2			
3/4		3/4	3,788.90	3/4	3,422.57	3/4	3,056.23	3/4	2,689.90	3/4	2,323.56	3/4	1,957.22	3/4	1,590.89	3/4	1,224.55	3/4	858.22	3/4	494.06	3/4	156.14	3/4		3/4			
6		6	3,781.27	6	3,414.94	6	3,048.60	6	2,682.26	6	2,315.93	6	1,949.59	6	1,583.26	6	1,216.92	6	850.58	6	486.55	6	149.36	6		6			
1/4		1/4	3,773.64	1/4	3,407.30	1/4	3,040.97	1/4	2,674.63	1/4	2,308.30	1/4	1,941.96	1/4	1,575.62	1/4	1,209.29	1/4	842.95	1/4	479.05	1/4	142.57	1/4		1/4			
1/2	3,972.52	1/2	3,766.01	1/2	3,399.67	1/2	3,033.34	1/2	2,667.00	1/2	2,300.66	1/2	1,934.33	1/2	1,567.99	1/2	1,201.66	1/2	835.32	1/2	471.54	1/2	135.79	1/2		1/2			
3/4	3,972.34	3/4	3,758.38	3/4	3,392.04	3/4	3,025.70	3/4	2,659.37	3/4	2,293.03	3/4	1,926.70	3/4	1,560.36	3/4	1,194.02	3/4	827.69	3/4	464.04	3/4	129.00	3/4		3/4			
7		7	3,750.74	7	3,384.41	7	3,018.07	7	2,651.74	7	2,285.40	7	1,919.06	7	1,552.73	7	1,186.39	7	820.06	7	456.54	7	122.22	7		7			
1/4		1/4	3,971.07	1/4	3,743.11	1/4	3,376.78	1/4	3,010.44	1/4	2,644.10	1/4	1,911.43	1/4	1,545.10	1/4	1,178.76	1/4	812.42	1/4	449.03	1/4	115.43	1/4		1/4			
1/2		1/2	3,969.97	1/2	3,735.48	1/2	3,369.14	1/2	3,002.81	1/2	2,636.47	1/2	1,903.80	1/2	1,537.46	1/2	1,171.13	1/2	804.79	1/2	441.53	1/2	108.65	1/2		1/2			
3/4		3/4	3,968.88	3/4	3,727.85	3/4	3,361.51	3/4	2,995.18	3/4	2,628.84	3/4	1,896.17	3/4	1,529.83	3/4	1,163.50	3/4	797.16	3/4	434.44	3/4	102.16	3/4		3/4			
8		8	3,967.79	8	3,720.22	8	3,353.88	8	2,987.54	8	2,621.21	8	2,254.87	8	1,888.54	8	1,522.20	8	789.53	8	427.36	8	95.68	8		8			
1/4		1/4	3,966.70	1/4	3,712.58	1/4	3,346.25	1/4	2,979.91	1/4	2,613.58	1/4	2,247.24	1/4	1,880.90	1/4	1,514.57	1/4	781.90	1/4	420.27	1/4	89.19	1/4		1/4			
1/2		1/2	3,965.60	1/2	3,704.95	1/2	3,338.62	1/2	2,972.28	1/2	2,605.94	1/2	2,239.61	1/2	1,873.27	1/2	1,506.94	1/2	774.26	1/2	413.19	1/2	82.71	1/2		1/2			
3/4		3/4	3,964.51	3/4	3,697.32	3/4	3,330.98	3/4	2,964.65	3/4	2,598.31	3/4	2,231.98	3/4	1,865.64	3/4	1,499.30	3/4	766.63	3/4	406.10	3/4	76.22	3/4		3/4			
9		9	3,963.42	9	3,689.69	9	3,323.35	9	2,957.02	9	2,590.68	9	2,224.34	9	1,858.01	9	1,491.67	9	759.00	9	399.02	9	69.74	9		9			
1/4		1/4	3,960.87	1/4	3,682.06	1/4	3,315.72	1/4	2,949.38	1/4	2,583.05	1/4	2,216.71	1/4	1,850.38	1/4	1,484.04	1/4	751.37	1/4	391.93	1/4	63.25	1/4		1/4			
1/2		1/2	3,958.31	1/2	3,674.42	1/2	3,308.09	1/2	2,941.75	1/2	2,575.42	1/2	2,209.08	1/2	1,842.74	1/2	1,476.41	1/2	743.74	1/2	384.85	1/2	56.77	1/2		1/2			
3/4		3/4	3,955.76	3/4	3,666.79	3/4	3,300.46	3/4	2,934.12	3/4	2,567.78	3/4	2,201.45	3/4	1,835.11	3/4	1,468.78	3/4	736.10	3/4	377.76	3/4	51.03	3/4		3/4			
10		10	3,953.21	10	3,659.16	10	3,292.82	10	2,926.49	10	2,560.15	10	2,193.82	10	1,827.48	10	1,461.14	10	728.47	10	370.68	10	45.29	10		10			
1/4		1/4	3,950.66	1/4	3,651.53	1/4	3,285.19	1/4	2,918.86	1/4	2,552.52	1/4	2,186.18	1/4	1,819.85	1/4	1,453.51	1/4	720.84	1/4	363.59	1/4	39.55	1/4		1/4			
1/2		1/2	3,948.11	1/2	3,643.90	1/2	3,277.56	1/2	2,911.22	1/2	2,544.89	1/2	2,178.55	1/2	1,812.22	1/2	1,445.88	1/2	713.21	1/2	356.51	1/2	33.82	1/2		1/2			
3/4		3/4	3,945.56	3/4	3,636.26	3/4	3,269.93	3/4	2,903.59	3/4	2,537.26	3/4	2,170.92	3/4	1,804.58														



BARGE "MM 78" MAGNOLIA MARINE

OUTAGE TABLE

2 PORT

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 4495

IN	0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.	
		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN
0	0	3,837.30	0	3,519.75	0	3,165.80	0	2,811.84	0	2,457.89	0	2,103.94	0	1,749.99	0	1,396.04	0	1,042.08	0	688.13	0	334.18	0		0		0		0	
1/4	1/4	3,833.43	1/4	3,512.37	1/4	3,158.42	1/4	2,804.47	1/4	2,450.52	1/4	2,096.57	1/4	1,742.61	1/4	1,388.66	1/4	1,034.71	1/4	680.76	1/4	326.81	1/4		1/4		1/4		1/4	
1/2	1/2	3,829.56	1/2	3,505.00	1/2	3,151.05	1/2	2,797.10	1/2	2,443.14	1/2	2,089.19	1/2	1,735.24	1/2	1,381.29	1/2	1,027.34	1/2	673.38	1/2	319.43	1/2		1/2		1/2		1/2	
3/4	3/4	3,825.70	3/4	3,497.63	3/4	3,143.67	3/4	2,789.72	3/4	2,435.77	3/4	2,081.82	3/4	1,727.87	3/4	1,373.91	3/4	1,019.96	3/4	666.01	3/4	312.17	3/4		3/4		3/4		3/4	
1	1	3,821.83	1	3,490.25	1	3,136.30	1	2,782.35	1	2,428.40	1	2,074.44	1	1,720.49	1	1,366.54	1	1,012.59	1	658.64	1	304.91	1		1		1		1	
1/4	1/4	3,816.56	1/4	3,482.88	1/4	3,128.93	1/4	2,774.97	1/4	2,421.02	1/4	2,067.07	1/4	1,713.12	1/4	1,359.17	1/4	1,005.21	1/4	651.26	1/4	297.64	1/4		1/4		1/4		1/4	
1/2	1/2	3,811.28	1/2	3,475.50	1/2	3,121.55	1/2	2,767.60	1/2	2,413.65	1/2	2,059.70	1/2	1,705.74	1/2	1,351.79	1/2	997.84	1/2	643.89	1/2	290.38	1/2		1/2		1/2		1/2	
3/4	3/4	3,806.01	3/4	3,468.13	3/4	3,114.18	3/4	2,760.23	3/4	2,406.27	3/4	2,052.32	3/4	1,698.37	3/4	1,344.42	3/4	990.47	3/4	636.51	3/4	283.12	3/4		3/4		3/4		3/4	
2	2	3,800.74	2	3,460.76	2	3,106.80	2	2,752.85	2	2,398.90	2	2,044.95	2	1,691.00	2	1,337.04	2	983.09	2	629.14	2	275.85	2		2		2		2	
1/4	1/4	3,795.47	1/4	3,453.38	1/4	3,099.43	1/4	2,745.48	1/4	2,391.53	1/4	2,037.57	1/4	1,683.62	1/4	1,329.67	1/4	975.72	1/4	621.77	1/4	268.59	1/4		1/4		1/4		1/4	
1/2	1/2	3,790.20	1/2	3,446.01	1/2	3,092.06	1/2	2,738.10	1/2	2,384.15	1/2	2,030.20	1/2	1,676.25	1/2	1,322.30	1/2	968.34	1/2	614.39	1/2	261.33	1/2		1/2		1/2		1/2	
3/4	3/4	3,784.92	3/4	3,438.63	3/4	3,084.68	3/4	2,730.73	3/4	2,376.78	3/4	2,022.83	3/4	1,668.87	3/4	1,314.92	3/4	960.97	3/4	607.02	3/4	254.07	3/4		3/4		3/4		3/4	
3	3	3,779.65	3	3,431.26	3	3,077.31	3	2,723.36	3	2,369.40	3	2,015.45	3	1,661.50	3	1,307.55	3	953.60	3	599.64	3	246.80	3		3		3		3	
1/4	1/4	3,772.97	1/4	3,423.89	1/4	3,069.93	1/4	2,715.98	1/4	2,362.03	1/4	2,008.08	1/4	1,654.13	1/4	1,300.17	1/4	946.22	1/4	592.27	1/4	239.54	1/4		1/4		1/4		1/4	
1/2	1/2	3,766.29	1/2	3,416.51	1/2	3,062.56	1/2	2,708.61	1/2	2,354.66	1/2	2,000.70	1/2	1,646.75	1/2	1,292.80	1/2	938.85	1/2	584.90	1/2	232.28	1/2		1/2		1/2		1/2	
3/4	3/4	3,759.62	3/4	3,409.14	3/4	3,055.19	3/4	2,701.23	3/4	2,347.28	3/4	1,993.33	3/4	1,639.38	3/4	1,285.43	3/4	931.47	3/4	577.52	3/4	225.01	3/4		3/4		3/4		3/4	
4	4	3,752.94	4	3,401.76	4	3,047.81	4	2,693.86	4	2,339.91	4	1,985.96	4	1,632.00	4	1,278.05	4	924.10	4	570.15	4	217.75	4		4		4		4	
1/4	1/4	3,746.26	1/4	3,394.39	1/4	3,040.44	1/4	2,686.49	1/4	2,332.53	1/4	1,978.58	1/4	1,624.63	1/4	1,270.68	1/4	916.73	1/4	562.77	1/4	210.49	1/4		1/4		1/4		1/4	
1/2	1/2	3,739.58	1/2	3,387.02	1/2	3,033.06	1/2	2,679.11	1/2	2,325.16	1/2	1,971.21	1/2	1,617.26	1/2	1,263.30	1/2	909.35	1/2	555.40	1/2	203.22	1/2		1/2		1/2		1/2	
3/4	3/4	3,732.90	3/4	3,379.64	3/4	3,025.69	3/4	2,671.74	3/4	2,317.79	3/4	1,963.83	3/4	1,609.88	3/4	1,255.93	3/4	901.98	3/4	548.03	3/4	195.96	3/4		3/4		3/4		3/4	
5	5	3,726.22	5	3,372.27	5	3,018.32	5	2,664.36	5	2,310.41	5	1,956.46	5	1,602.51	5	1,248.56	5	894.60	5	540.65	5	188.70	5		5		5		5	
1/4	1/4	3,718.85	1/4	3,364.89	1/4	3,010.94	1/4	2,656.99	1/4	2,303.04	1/4	1,949.09	1/4	1,595.13	1/4	1,241.18	1/4	887.23	1/4	533.28	1/4	181.44	1/4		1/4		1/4		1/4	
1/2	1/2	3,711.47	1/2	3,357.52	1/2	3,003.57	1/2	2,649.62	1/2	2,295.66	1/2	1,941.71	1/2	1,587.76	1/2	1,233.81	1/2	879.86	1/2	525.90	1/2	174.17	1/2		1/2		1/2		1/2	
3/4	3/4	3,704.10	3/4	3,350.15	3/4	2,996.19	3/4	2,642.24	3/4	2,288.29	3/4	1,934.34	3/4	1,580.39	3/4	1,226.43	3/4	872.48	3/4	518.53	3/4	166.91	3/4		3/4		3/4		3/4	
6	6	3,696.72	6	3,342.77	6	2,988.82	6	2,634.87	6	2,280.92	6	1,926.96	6	1,573.01	6	1,219.06	6	865.11	6	511.16	6	159.65	6		6		6		6	
1/4	1/4	3,689.35	1/4	3,335.40	1/4	2,981.45	1/4	2,627.49	1/4	2,273.54	1/4	1,919.59	1/4	1,565.64	1/4	1,211.69	1/4	857.73	1/4	503.78	1/4	152.38	1/4		1/4		1/4		1/4	
1/2	1/2	3,881.24	1/2	3,681.98	1/2	3,328.02	1/2	2,974.07	1/2	2,620.12	1/2	2,266.17	1/2	1,912.22	1/2	1,558.26	1/2	850.36	1/2	496.41	1/2	145.12	1/2		1/2		1/2		1/2	
3/4	3/4	3,881.06	3/4	3,674.60	3/4	3,320.65	3/4	2,966.70	3/4	2,612.75	3/4	2,258.79	3/4	1,904.84	3/4	1,550.89	3/4	842.99	3/4	489.03	3/4	137.86	3/4		3/4		3/4		3/4	
7	7	3,880.88	7	3,667.23	7	3,313.28	7	2,959.32	7	2,605.37	7	2,251.42	7	1,897.47	7	1,543.52	7	835.61	7	481.66	7	130.59	7		7		7		7	
1/4	1/4	3,879.83	1/4	3,659.85	1/4	3,305.90	1/4	2,951.95	1/4	2,598.00	1/4	2,244.05	1/4	1,890.09	1/4	1,536.14	1/4	828.24	1/4	474.29	1/4	123.33	1/4		1/4		1/4		1/4	
1/2	1/2	3,878.78	1/2	3,652.48	1/2	3,298.53	1/2	2,944.58	1/2	2,590.62	1/2	2,236.67	1/2	1,882.72	1/2	1,528.77	1/2	820.86	1/2	466.91	1/2	116.07	1/2		1/2		1/2		1/2	
3/4	3/4	3,877.72	3/4	3,645.11	3/4	3,291.15	3/4	2,937.20	3/4	2,583.25	3/4	2,229.30	3/4	1,875.35	3/4	1,521.39	3/4	813.49	3/4	459.54	3/4	108.81	3/4		3/4		3/4		3/4	
8	8	3,876.67	8	3,637.73	8	3,283.78	8	2,929.83	8	2,575.88	8	2,221.92	8	1,867.97	8	1,514.02	8	806.12	8	452.16	8	101.54	8		8		8		8	
1/4	1/4	3,875.61	1/4	3,630.36	1/4	3,276.41	1/4	2,922.45	1/4	2,568.50	1/4	2,214.55	1/4	1,860.60	1/4	1,506.65	1/4	798.74	1/4	444.79	1/4	94.28	1/4		1/4		1/4		1/4	
1/2	1/2	3,874.56	1/2	3,622.98	1/2	3,269.03	1/2	2,915.08	1/2	2,561.13	1/2	2,207.18	1/2	1,853.22	1/2	1,499.27	1/2	791.37	1/2	437.42	1/2	87.02	1/2		1/2		1/2		1/2	
3/4	3/4	3,873.51	3/4	3,615.61	3/4	3,261.66	3/4	2,907.71	3/4	2,553.75	3/4	2,199.80	3/4	1,845.85	3/4	1,491.90	3/4	783.99	3/4	430.04	3/4	79.75	3/4		3/4		3/4		3/4	
9	9	3,872.45	9	3,608.24	9	3,254.28	9	2,900.33	9	2,546.38	9	2,192.43	9	1,838.48	9	1,484.52	9	776.62	9	422.67	9	72.49	9		9		9		9	
1/4	1/4	3,869.99	1/4	3,600.86	1/4	3,246.91	1/4	2,892.96	1/4	2,539.01	1/4	2,185.05	1/4	1,831.10	1/4	1,477.15	1/4	769.25	1/4	415.29	1/4	65.23	1/4		1/4		1/4		1/4	
1/2	1/2	3,867.53	1/2	3,593.49	1/2	3,239.54	1/2	2,885.58	1/2	2,531.63	1/2	2,177.68	1/2	1,823.73	1/2	1,469.78	1/2	761.87	1/2	407.92	1/2	57.96	1/2		1/2		1/2		1/2	
3/4	3/4	3,865.07	3/4	3,586.11	3/4	3,232.16	3/4	2,878.21	3/4	2,524.26	3/4	2,170.31	3/4	1,816.35	3/4	1,462.40	3/4	754.50	3/4	400.55	3/4	51.62	3/4		3/4		3/4		3/4	
10	10	3,862.61	10	3,578.74	10	3,224.79	10	2,870.84	10	2,516.88	10	2,162.93	10	1,808.98	10	1,455.03	10	747.12	10	393.17	10	45.28	10		10		10		10	
1/4	1/4	3,860.15	1/4	3,571.37	1/4	3,217.41	1/4	2,863.46	1/4	2,509.51	1/4	2,155.56	1/4	1,801.61	1/4	1,447.65	1/4													



BARGE "MM 78"
MAGNOLIA MARINE

OUTGAGE TABLE

2 STAR

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 4495

Table with 14 columns for gauge heights (0 FT. to 14 FT.) and multiple rows for different gauge types (0, 1/4, 1/2, 3/4). Each cell contains a numerical value representing the outgauge measurement.

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 7/5/05

* CAPACITY BELOW STRIKE POINT

REFERENCE GAUGE HEIGHT : 11'-11 3/4" (RIM OF HATCH LOCATED NEAR CENTER OF TANK)

WE CERTIFY ALL MEASUREMENTS AND COMPUTATIONS ARE IN ACCORDANCE WITH APPLICABLE API STANDARDS AND ARE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.



BARGE "MM 78" MAGNOLIA MARINE

OUTAGE TABLE

3 PORT

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 4495

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	3,957.70	0	3,630.15	0	3,265.11	0	2,900.07	0	2,535.03	0	2,169.99	0	1,804.95	0	1,439.91	0	1,074.87	0	709.83	0	344.79	0		0					
1/4		1/4	3,953.71	1/4	3,622.55	1/4	3,257.51	1/4	2,892.47	1/4	2,527.42	1/4	2,162.38	1/4	1,797.34	1/4	1,432.30	1/4	1,067.26	1/4	702.22	1/4	337.18	1/4		1/4		1/4		1/4	
1/2		1/2	3,949.72	1/2	3,614.94	1/2	3,249.90	1/2	2,884.86	1/2	2,519.82	1/2	2,154.78	1/2	1,789.74	1/2	1,424.70	1/2	1,059.66	1/2	694.62	1/2	329.58	1/2		1/2		1/2		1/2	
3/4		3/4	3,945.73	3/4	3,607.34	3/4	3,242.30	3/4	2,877.26	3/4	2,512.21	3/4	2,147.17	3/4	1,782.13	3/4	1,417.09	3/4	1,052.05	3/4	687.01	3/4	322.09	3/4		3/4		3/4		3/4	
1		1	3,941.74	1	3,599.73	1	3,234.69	1	2,869.65	1	2,504.61	1	2,139.57	1	1,774.53	1	1,409.49	1	1,044.45	1	679.41	1	314.59	1		1		1		1	
1/4		1/4	3,936.30	1/4	3,592.13	1/4	3,227.09	1/4	2,862.05	1/4	2,497.00	1/4	2,131.96	1/4	1,766.92	1/4	1,401.88	1/4	1,036.84	1/4	671.80	1/4	307.10	1/4		1/4		1/4		1/4	
1/2		1/2	3,930.86	1/2	3,584.52	1/2	3,219.48	1/2	2,854.44	1/2	2,489.40	1/2	2,124.36	1/2	1,759.32	1/2	1,394.28	1/2	1,029.24	1/2	664.20	1/2	299.60	1/2		1/2		1/2		1/2	
3/4		3/4	3,925.42	3/4	3,576.92	3/4	3,211.88	3/4	2,846.84	3/4	2,481.79	3/4	2,116.75	3/4	1,751.71	3/4	1,386.67	3/4	1,021.63	3/4	656.59	3/4	292.11	3/4		3/4		3/4		3/4	
2		2	3,919.98	2	3,569.31	2	3,204.27	2	2,839.23	2	2,474.19	2	2,109.15	2	1,744.11	2	1,379.07	2	1,014.03	2	648.99	2	284.62	2		2		2		2	
1/4		1/4	3,914.54	1/4	3,561.71	1/4	3,196.67	1/4	2,831.62	1/4	2,466.58	1/4	2,101.54	1/4	1,736.50	1/4	1,371.46	1/4	1,006.42	1/4	641.38	1/4	277.12	1/4		1/4		1/4		1/4	
1/2		1/2	3,909.10	1/2	3,554.10	1/2	3,189.06	1/2	2,824.02	1/2	2,458.98	1/2	2,093.94	1/2	1,728.90	1/2	1,363.86	1/2	998.82	1/2	633.78	1/2	269.63	1/2		1/2		1/2		1/2	
3/4		3/4	3,903.66	3/4	3,546.50	3/4	3,181.46	3/4	2,816.41	3/4	2,451.37	3/4	2,086.33	3/4	1,721.29	3/4	1,356.25	3/4	991.21	3/4	626.17	3/4	262.13	3/4		3/4		3/4		3/4	
3		3	3,898.22	3	3,538.89	3	3,173.85	3	2,808.81	3	2,443.77	3	2,078.73	3	1,713.69	3	1,348.65	3	983.61	3	618.57	3	254.64	3		3		3		3	
1/4		1/4	3,891.33	1/4	3,531.29	1/4	3,166.25	1/4	2,801.20	1/4	2,436.16	1/4	2,071.12	1/4	1,706.08	1/4	1,341.04	1/4	976.00	1/4	610.96	1/4	247.15	1/4		1/4		1/4		1/4	
1/2		1/2	3,884.44	1/2	3,523.68	1/2	3,158.64	1/2	2,793.60	1/2	2,428.56	1/2	2,063.52	1/2	1,698.48	1/2	1,333.44	1/2	968.40	1/2	603.36	1/2	239.65	1/2		1/2		1/2		1/2	
3/4		3/4	3,877.55	3/4	3,516.08	3/4	3,151.04	3/4	2,785.99	3/4	2,420.95	3/4	2,055.91	3/4	1,690.87	3/4	1,325.83	3/4	960.79	3/4	595.75	3/4	232.16	3/4		3/4		3/4		3/4	
4		4	3,870.65	4	3,508.47	4	3,143.43	4	2,778.39	4	2,413.35	4	2,048.31	4	1,683.27	4	1,318.23	4	953.19	4	588.15	4	224.66	4		4		4		4	
1/4		1/4	3,863.76	1/4	3,500.87	1/4	3,135.83	1/4	2,770.78	1/4	2,405.74	1/4	2,040.70	1/4	1,675.66	1/4	1,310.62	1/4	945.58	1/4	580.54	1/4	217.17	1/4		1/4		1/4		1/4	
1/2		1/2	3,856.87	1/2	3,493.26	1/2	3,128.22	1/2	2,763.18	1/2	2,398.14	1/2	2,033.10	1/2	1,668.06	1/2	1,303.02	1/2	937.98	1/2	572.94	1/2	209.68	1/2		1/2		1/2		1/2	
3/4		3/4	3,849.98	3/4	3,485.66	3/4	3,120.62	3/4	2,755.57	3/4	2,390.53	3/4	2,025.49	3/4	1,660.45	3/4	1,295.41	3/4	930.37	3/4	565.33	3/4	202.18	3/4		3/4		3/4		3/4	
5		5	3,843.09	5	3,478.05	5	3,113.01	5	2,747.97	5	2,382.93	5	2,017.89	5	1,652.85	5	1,287.81	5	922.77	5	557.73	5	194.69	5		5		5		5	
1/4		1/4	3,835.49	1/4	3,470.45	1/4	3,105.41	1/4	2,740.36	1/4	2,375.32	1/4	2,010.28	1/4	1,645.24	1/4	1,280.20	1/4	915.16	1/4	550.12	1/4	187.19	1/4		1/4		1/4		1/4	
1/2		1/2	3,827.88	1/2	3,462.84	1/2	3,097.80	1/2	2,732.76	1/2	2,367.72	1/2	2,002.68	1/2	1,637.64	1/2	1,272.60	1/2	907.56	1/2	542.52	1/2	179.70	1/2		1/2		1/2		1/2	
3/4		3/4	3,820.28	3/4	3,455.24	3/4	3,090.20	3/4	2,725.15	3/4	2,360.11	3/4	1,995.07	3/4	1,630.03	3/4	1,264.99	3/4	899.95	3/4	534.91	3/4	172.21	3/4		3/4		3/4		3/4	
6		6	3,812.67	6	3,447.63	6	3,082.59	6	2,717.55	6	2,352.51	6	1,987.47	6	1,622.43	6	1,257.39	6	892.35	6	527.31	6	164.71	6		6		6		6	
1/4		1/4	3,805.07	1/4	3,440.03	1/4	3,074.99	1/4	2,709.94	1/4	2,344.90	1/4	1,979.86	1/4	1,614.82	1/4	1,249.78	1/4	884.74	1/4	519.70	1/4	157.22	1/4		1/4		1/4		1/4	
1/2		1/2	4,003.04	1/2	3,797.46	1/2	3,432.42	1/2	3,067.38	1/2	2,702.34	1/2	2,337.30	1/2	1,972.26	1/2	1,607.22	1/2	877.14	1/2	512.10	1/2	149.72	1/2		1/2		1/2		1/2	
3/4		3/4	4,002.86	3/4	3,789.86	3/4	3,424.82	3/4	3,059.78	3/4	2,694.73	3/4	2,329.69	3/4	1,964.65	3/4	1,599.61	3/4	869.53	3/4	504.49	3/4	142.23	3/4		3/4		3/4		3/4	
7		7	4,002.67	7	3,782.25	7	3,417.21	7	3,052.17	7	2,687.13	7	2,322.09	7	1,957.05	7	1,592.01	7	861.93	7	496.89	7	134.74	7		7		7		7	
1/4		1/4	4,001.59	1/4	3,774.65	1/4	3,409.61	1/4	3,044.57	1/4	2,679.52	1/4	2,314.48	1/4	1,949.44	1/4	1,584.40	1/4	854.32	1/4	489.28	1/4	127.24	1/4		1/4		1/4		1/4	
1/2		1/2	4,000.50	1/2	3,767.04	1/2	3,402.00	1/2	3,036.96	1/2	2,671.92	1/2	2,306.88	1/2	1,941.84	1/2	1,576.80	1/2	846.72	1/2	481.68	1/2	119.75	1/2		1/2		1/2		1/2	
3/4		3/4	3,999.41	3/4	3,759.44	3/4	3,394.40	3/4	3,029.36	3/4	2,664.31	3/4	2,299.27	3/4	1,934.23	3/4	1,569.19	3/4	839.11	3/4	474.07	3/4	112.25	3/4		3/4		3/4		3/4	
8		8	3,998.32	8	3,751.83	8	3,386.79	8	3,021.75	8	2,656.71	8	2,291.67	8	1,926.63	8	1,561.59	8	831.51	8	466.47	8	104.76	8		8		8		8	
1/4		1/4	3,997.23	1/4	3,744.23	1/4	3,379.19	1/4	3,014.15	1/4	2,649.10	1/4	2,284.06	1/4	1,919.02	1/4	1,553.53	1/4	823.90	1/4	458.86	1/4	97.27	1/4		1/4		1/4		1/4	
1/2		1/2	3,996.15	1/2	3,736.62	1/2	3,371.58	1/2	3,006.54	1/2	2,641.50	1/2	2,276.46	1/2	1,911.42	1/2	1,546.38	1/2	816.30	1/2	451.26	1/2	89.77	1/2		1/2		1/2		1/2	
3/4		3/4	3,995.06	3/4	3,729.02	3/4	3,363.98	3/4	2,998.94	3/4	2,633.89	3/4	2,268.85	3/4	1,903.81	3/4	1,538.77	3/4	808.69	3/4	443.65	3/4	82.28	3/4		3/4		3/4		3/4	
9		9	3,993.97	9	3,721.41	9	3,356.37	9	2,991.33	9	2,626.29	9	2,261.25	9	1,896.21	9	1,531.17	9	801.09	9	436.05	9	74.78	9		9		9		9	
1/4		1/4	3,991.43	1/4	3,713.81	1/4	3,348.77	1/4	2,983.73	1/4	2,618.68	1/4	2,253.64	1/4	1,888.60	1/4	1,523.56	1/4	793.48	1/4	428.44	1/4	67.29	1/4		1/4		1/4		1/4	
1/2		1/2	3,988.89	1/2	3,706.20	1/2	3,341.16	1/2	2,976.12	1/2	2,611.08	1/2	2,246.04	1/2	1,881.00	1/2	1,515.96	1/2	785.88	1/2	420.84	1/2	59.80	1/2		1/2		1/2		1/2	
3/4		3/4	3,986.35	3/4	3,698.60	3/4	3,333.56	3/4	2,968.52	3/4	2,603.47	3/4	2,238.43	3/4	1,873.39	3/4	1,508.35	3/4	778.27	3/4	413.23	3/4	53.25	3/4		3/4		3/4		3/4	
10		10	3,983.81	10	3,690.99	10	3,325.95	10	2,960.91	10	2,595.87	10	2,230.83	10	1,865.79	10	1,500.75	10	770.67	10	405.63	10	46.71	10		10		10		10	
1/4		1/4	3,981.28	1/4	3,683.39	1/4	3,318.35	1/4	2,953.31	1/4	2,588.26	1/4	2,223.22	1/4	1,858.18	1/4	1,493.14	1/4	763.06												



BARGE "MM 78" MAGNOLIA MARINE

OUTAGE TABLE

3 STAR

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 4495

IN	0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.				
0		0	3,961.69	0	3,637.76	0	3,272.72	0	2,907.68	0	2,542.63	0	2,177.59	0	1,812.55	0	1,447.51	0	1,082.47	0	717.43	0	352.39	0		0							
1/4		1/4	3,957.70	1/4	3,630.15	1/4	3,265.11	1/4	2,900.07	1/4	2,535.03	1/4	2,169.99	1/4	1,804.95	1/4	1,439.91	1/4	1,074.87	1/4	709.83	1/4	344.79	1/4		1/4							
1/2		1/2	3,953.71	1/2	3,622.55	1/2	3,257.51	1/2	2,892.47	1/2	2,527.42	1/2	2,162.38	1/2	1,797.34	1/2	1,432.30	1/2	1,067.26	1/2	702.22	1/2	337.18	1/2		1/2							
3/4		3/4	3,949.72	3/4	3,614.94	3/4	3,249.90	3/4	2,884.86	3/4	2,519.82	3/4	2,154.78	3/4	1,789.74	3/4	1,424.70	3/4	1,059.66	3/4	694.62	3/4	329.58	3/4		3/4							
1		1	3,945.73	1	3,607.34	1	3,242.30	1	2,877.26	1	2,512.21	1	2,147.17	1	1,782.13	1	1,417.09	1	1,052.05	1	687.01	1	322.09	1		1							
1/4		1/4	3,941.74	1/4	3,599.73	1/4	3,234.69	1/4	2,869.65	1/4	2,504.61	1/4	2,139.57	1/4	1,774.53	1/4	1,409.49	1/4	1,044.45	1/4	679.41	1/4	314.59	1/4		1/4							
1/2		1/2	3,936.30	1/2	3,592.13	1/2	3,227.09	1/2	2,862.05	1/2	2,497.00	1/2	2,131.96	1/2	1,766.92	1/2	1,401.88	1/2	1,036.84	1/2	671.80	1/2	307.10	1/2		1/2							
3/4		3/4	3,930.86	3/4	3,584.52	3/4	3,219.48	3/4	2,854.44	3/4	2,489.40	3/4	2,124.36	3/4	1,759.32	3/4	1,394.28	3/4	1,029.24	3/4	664.20	3/4	299.60	3/4		3/4							
2		2	3,925.42	2	3,576.92	2	3,211.88	2	2,846.84	2	2,481.79	2	2,116.75	2	1,751.71	2	1,386.67	2	1,021.63	2	656.59	2	292.11	2		2							
1/4		1/4	3,919.98	1/4	3,569.31	1/4	3,204.27	1/4	2,839.23	1/4	2,474.19	1/4	2,109.15	1/4	1,744.11	1/4	1,379.07	1/4	1,014.03	1/4	648.99	1/4	284.62	1/4		1/4							
1/2		1/2	3,914.54	1/2	3,561.71	1/2	3,196.67	1/2	2,831.62	1/2	2,466.58	1/2	2,101.54	1/2	1,736.50	1/2	1,371.46	1/2	1,006.42	1/2	641.38	1/2	277.12	1/2		1/2							
3/4		3/4	3,909.10	3/4	3,554.10	3/4	3,189.06	3/4	2,824.02	3/4	2,458.98	3/4	2,093.94	3/4	1,728.90	3/4	1,363.86	3/4	998.82	3/4	633.78	3/4	269.63	3/4		3/4							
3		3	3,903.66	3	3,546.50	3	3,181.46	3	2,816.41	3	2,451.37	3	2,086.33	3	1,721.29	3	1,356.25	3	991.21	3	626.17	3	262.13	3		3							
1/4		1/4	3,898.22	1/4	3,538.89	1/4	3,173.85	1/4	2,808.81	1/4	2,443.77	1/4	2,078.73	1/4	1,713.69	1/4	1,348.65	1/4	983.61	1/4	618.57	1/4	254.64	1/4		1/4							
1/2		1/2	3,891.33	1/2	3,531.29	1/2	3,166.25	1/2	2,801.20	1/2	2,436.26	1/2	2,071.12	1/2	1,706.08	1/2	1,341.04	1/2	976.00	1/2	610.96	1/2	247.15	1/2		1/2							
3/4		3/4	3,884.44	3/4	3,523.68	3/4	3,158.64	3/4	2,793.60	3/4	2,428.56	3/4	2,063.52	3/4	1,698.48	3/4	1,333.44	3/4	968.40	3/4	603.36	3/4	239.65	3/4		3/4							
4		4	3,877.55	4	3,516.08	4	3,151.04	4	2,785.99	4	2,420.95	4	2,055.91	4	1,690.87	4	1,325.83	4	960.79	4	595.75	4	232.16	4		4							
1/4		1/4	3,870.65	1/4	3,508.47	1/4	3,143.43	1/4	2,778.39	1/4	2,413.35	1/4	2,048.31	1/4	1,683.27	1/4	1,318.23	1/4	953.19	1/4	588.15	1/4	224.66	1/4		1/4							
1/2		1/2	3,863.76	1/2	3,500.87	1/2	3,135.83	1/2	2,770.78	1/2	2,405.74	1/2	2,040.70	1/2	1,675.66	1/2	1,310.62	1/2	945.58	1/2	580.54	1/2	217.17	1/2		1/2							
3/4		3/4	3,856.87	3/4	3,493.26	3/4	3,128.22	3/4	2,763.18	3/4	2,398.14	3/4	2,033.10	3/4	1,668.06	3/4	1,303.02	3/4	937.98	3/4	572.94	3/4	209.68	3/4		3/4							
5		5	3,849.98	5	3,485.66	5	3,120.62	5	2,755.57	5	2,390.53	5	2,025.49	5	1,660.45	5	1,295.41	5	930.37	5	565.33	5	202.18	5		5							
1/4		1/4	3,843.09	1/4	3,478.05	1/4	3,113.01	1/4	2,747.97	1/4	2,382.93	1/4	2,017.89	1/4	1,652.85	1/4	1,287.81	1/4	922.77	1/4	557.73	1/4	194.69	1/4		1/4							
1/2		1/2	3,835.49	1/2	3,470.45	1/2	3,105.41	1/2	2,740.36	1/2	2,375.32	1/2	2,010.28	1/2	1,645.24	1/2	1,280.20	1/2	915.16	1/2	550.12	1/2	187.19	1/2		1/2							
3/4		3/4	3,827.88	3/4	3,462.84	3/4	3,097.80	3/4	2,732.76	3/4	2,367.72	3/4	2,002.68	3/4	1,637.64	3/4	1,272.60	3/4	907.56	3/4	542.52	3/4	179.70	3/4		3/4							
6		6	3,820.28	6	3,455.24	6	3,090.20	6	2,725.15	6	2,360.11	6	1,995.07	6	1,630.03	6	1,264.99	6	899.95	6	534.91	6	172.21	6		6							
1/4		1/4	3,812.67	1/4	3,447.63	1/4	3,082.59	1/4	2,717.55	1/4	2,352.51	1/4	1,987.47	1/4	1,622.43	1/4	1,257.39	1/4	892.35	1/4	527.31	1/4	164.71	1/4		1/4							
1/2		1/2	3,805.07	1/2	3,440.03	1/2	3,074.99	1/2	2,709.94	1/2	2,344.90	1/2	1,979.86	1/2	1,614.82	1/2	1,249.78	1/2	884.74	1/2	519.70	1/2	157.22	1/2		1/2							
3/4		3/4	4,003.04	3/4	3,797.46	3/4	3,432.42	3/4	3,067.38	3/4	2,702.34	3/4	2,337.30	3/4	1,972.26	3/4	1,607.22	3/4	877.14	3/4	512.10	3/4	149.72	3/4		3/4							
7		7	4,002.86	7	3,789.86	7	3,424.82	7	3,059.78	7	2,694.73	7	2,329.69	7	1,964.65	7	1,599.61	7	869.53	7	504.49	7	142.23	7		7							
1/4		1/4	4,002.67	1/4	3,782.25	1/4	3,417.21	1/4	3,052.17	1/4	2,687.13	1/4	2,322.09	1/4	1,957.05	1/4	1,592.01	1/4	861.93	1/4	496.89	1/4	134.74	1/4		1/4							
1/2		1/2	4,001.59	1/2	3,774.65	1/2	3,409.61	1/2	3,044.57	1/2	2,679.52	1/2	2,314.48	1/2	1,949.44	1/2	1,584.40	1/2	854.32	1/2	489.28	1/2	127.24	1/2		1/2							
3/4		3/4	4,000.50	3/4	3,767.04	3/4	3,402.00	3/4	3,036.96	3/4	2,671.92	3/4	2,306.88	3/4	1,941.84	3/4	1,576.80	3/4	846.72	3/4	481.68	3/4	119.75	3/4		3/4							
8		8	3,999.41	8	3,759.44	8	3,394.40	8	3,029.36	8	2,664.31	8	2,299.27	8	1,934.23	8	1,569.19	8	839.11	8	474.07	8	112.25	8		8							
1/4		1/4	3,998.32	1/4	3,751.83	1/4	3,386.79	1/4	3,021.75	1/4	2,656.71	1/4	2,291.67	1/4	1,926.63	1/4	1,561.59	1/4	831.51	1/4	466.47	1/4	104.76	1/4		1/4							
1/2		1/2	3,997.23	1/2	3,744.23	1/2	3,379.19	1/2	3,014.15	1/2	2,649.10	1/2	2,284.06	1/2	1,919.02	1/2	1,553.98	1/2	823.90	1/2	458.86	1/2	97.27	1/2		1/2							
3/4		3/4	3,996.15	3/4	3,736.62	3/4	3,371.58	3/4	3,006.54	3/4	2,641.50	3/4	2,276.46	3/4	1,911.42	3/4	1,546.38	3/4	816.30	3/4	451.26	3/4	89.77	3/4		3/4							
9		9	3,995.06	9	3,729.02	9	3,363.98	9	2,998.94	9	2,633.89	9	2,268.85	9	1,903.81	9	1,538.77	9	808.69	9	443.65	9	82.28	9		9							
1/4		1/4	3,993.97	1/4	3,721.41	1/4	3,356.37	1/4	2,991.33	1/4	2,626.29	1/4	2,261.25	1/4	1,896.21	1/4	1,531.17	1/4	801.09	1/4	436.05	1/4	74.78	1/4		1/4							
1/2		1/2	3,991.43	1/2	3,713.81	1/2	3,348.77	1/2	2,983.73	1/2	2,618.68	1/2	2,253.64	1/2	1,888.60	1/2	1,523.56	1/2	793.48	1/2	428.44	1/2	67.29	1/2		1/2							
3/4		3/4	3,988.89	3/4	3,706.20	3/4	3,341.16	3/4	2,976.12	3/4	2,611.08	3/4	2,246.04	3/4	1,881.00	3/4	1,515.96	3/4	785.88	3/4	420.84	3/4	59.80	3/4		3/4							
10		10	3,986.35	10	3,698.60	10	3,333.56	10	2,968.52	10	2,603.47	10	2,238.43	10	1,873.39	10	1,508.35	10	778.27	10	413.23	10	53.25	10		10							
1/4		1/4	3,983.81	1/4	3,690.99	1/4	3,325.95	1/4	2,960.91	1/4	2,595.87	1/4	2,230.83																				