



BARGE "MM 77" MAGNOLIA MARINE

INNAGE TABLE

1 PORT OR STAR

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

HULL NO. 4506

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	OUT	IN	OUT	IN	OUT	IN	OUT	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	17.19	0	386.37	0	772.28	0	1,165.06	0	1,557.85	0	1,950.63	0	2,343.41	0	2,736.20	0	3,128.98	0	3,519.87	0	3,910.59	0	4,260.47	0		0		0		0	
1/4	22.30	1/4	394.54	1/4	780.46	1/4	1,173.24	1/4	1,566.03	1/4	1,958.81	1/4	2,351.60	1/4	2,744.38	1/4	3,137.16	1/4	3,528.01	1/4	3,918.73	1/4	4,264.12	1/4		1/4		1/4		1/4	
1/2	27.40	1/2	402.71	1/2	788.64	1/2	1,181.43	1/2	1,574.21	1/2	1,967.00	1/2	2,359.78	1/2	2,752.56	1/2	3,145.35	1/2	3,536.15	1/2	3,926.87	1/2	4,267.76	1/2		1/2		1/2		1/2	
3/4	32.51	3/4	410.87	3/4	796.83	3/4	1,189.61	3/4	1,582.39	3/4	1,975.18	3/4	2,367.96	3/4	2,760.75	3/4	3,153.53	3/4	3,544.29	3/4	3,935.01	3/4	4,271.41	3/4		3/4		3/4		3/4	
1	37.61	1	419.04	1	805.01	1	1,197.79	1	1,590.58	1	1,983.36	1	2,376.15	1	2,768.93	1	3,161.71	1	3,552.43	1	3,943.15	1	4,275.06	1		1		1		1	
1/4	44.75	1/4	427.21	1/4	813.19	1/4	1,205.98	1/4	1,598.76	1/4	1,991.54	1/4	2,384.33	1/4	2,777.11	1/4	3,169.85	1/4	3,560.57	1/4	3,951.29	1/4	4,277.89	1/4		1/4		1/4		1/4	
1/2	51.90	1/2	435.37	1/2	821.37	1/2	1,214.16	1/2	1,606.94	1/2	1,999.73	1/2	2,392.51	1/2	2,785.30	1/2	3,177.99	1/2	3,568.71	1/2	3,959.43	1/2	4,280.72	1/2		1/2		1/2		1/2	
3/4	59.04	3/4	443.54	3/4	829.56	3/4	1,222.34	3/4	1,615.13	3/4	2,007.91	3/4	2,400.69	3/4	2,793.48	3/4	3,186.13	3/4	3,576.85	3/4	3,967.57	3/4	4,283.55	3/4		3/4		3/4		3/4	
2	66.19	2	451.71	2	837.74	2	1,230.53	2	1,623.31	2	2,016.09	2	2,408.88	2	2,801.66	2	3,194.27	2	3,584.99	2	3,975.71	2	4,286.38	2		2		2		2	
1/4	73.54	1/4	459.88	1/4	845.92	1/4	1,238.71	1/4	1,631.49	1/4	2,024.28	1/4	2,417.06	1/4	2,809.84	1/4	3,202.41	1/4	3,593.13	1/4	3,983.85	1/4	4,288.39	1/4		1/4		1/4		1/4	
1/2	80.90	1/2	468.04	1/2	854.11	1/2	1,246.89	1/2	1,639.68	1/2	2,032.46	1/2	2,425.24	1/2	2,818.03	1/2	3,210.55	1/2	3,601.27	1/2	3,991.99	1/2	4,290.41	1/2		1/2		1/2		1/2	
3/4	88.25	3/4	476.21	3/4	862.29	3/4	1,255.07	3/4	1,647.86	3/4	2,040.64	3/4	2,433.43	3/4	2,826.21	3/4	3,218.69	3/4	3,609.41	3/4	4,000.13	3/4	4,292.42	3/4		3/4		3/4		3/4	
3	95.61	3	484.38	3	870.47	3	1,263.26	3	1,656.04	3	2,048.83	3	2,441.61	3	2,834.39	3	3,226.83	3	3,617.55	3	4,008.27	3	4,294.44	3		3		3		3	
1/4	102.96	1/4	492.54	1/4	878.66	1/4	1,271.44	1/4	1,664.22	1/4	2,057.01	1/4	2,449.79	1/4	2,842.58	1/4	3,234.97	1/4	3,625.69	1/4	4,016.41	1/4	4,295.63	1/4		1/4		1/4		1/4	
1/2	110.32	1/2	500.71	1/2	886.84	1/2	1,279.62	1/2	1,672.41	1/2	2,065.19	1/2	2,457.98	1/2	2,850.76	1/2	3,243.11	1/2	3,633.83	1/2	4,024.55	1/2	4,296.83	1/2		1/2		1/2		1/2	
3/4	117.67	3/4	508.88	3/4	895.02	3/4	1,287.81	3/4	1,680.59	3/4	2,073.37	3/4	2,466.16	3/4	2,858.94	3/4	3,251.25	3/4	3,641.97	3/4	4,032.69	3/4	4,298.03	3/4		3/4		3/4		3/4	
4	125.03	4	517.04	4	903.20	4	1,295.99	4	1,688.77	4	2,081.56	4	2,474.34	4	2,867.13	4	3,259.39	4	3,650.11	4	4,040.83	4	4,299.23	4		4		4		4	
1/4	133.20	1/4	524.40	1/4	911.39	1/4	1,304.17	1/4	1,696.96	1/4	2,089.74	1/4	2,482.52	1/4	2,875.31	1/4	3,267.53	1/4	3,658.25	1/4	4,048.97	1/4	4,299.61	1/4		1/4		1/4		1/4	
1/2	141.36	1/2	531.75	1/2	919.57	1/2	1,312.36	1/2	1,705.14	1/2	2,097.92	1/2	2,490.71	1/2	2,883.49	1/2	3,275.67	1/2	3,666.39	1/2	4,057.11	1/2	4,299.99	1/2		1/2		1/2		1/2	
3/4	149.53	3/4	539.11	3/4	927.75	3/4	1,320.54	3/4	1,713.32	3/4	2,106.11	3/4	2,498.89	3/4	2,891.67	3/4	3,283.81	3/4	3,674.53	3/4	4,065.25	3/4	4,300.37	3/4		3/4		3/4		3/4	
5	157.70	5	546.46	5	935.94	5	1,328.72	5	1,721.51	5	2,114.29	5	2,507.07	5	2,899.86	5	3,291.95	5	3,682.67	5	4,073.39	5	<u>4,300.75</u>	5		5		5		5	
1/4	165.86	1/4	553.82	1/4	944.12	1/4	1,336.90	1/4	1,729.69	1/4	2,122.47	1/4	2,515.26	1/4	2,908.04	1/4	3,300.09	1/4	3,690.81	1/4	4,081.53	1/4		1/4		1/4		1/4		1/4	
1/2	174.03	1/2	561.17	1/2	952.30	1/2	1,345.09	1/2	1,737.87	1/2	2,130.66	1/2	2,523.44	1/2	2,916.22	1/2	3,308.23	1/2	3,698.95	1/2	4,089.67	1/2		1/2		1/2		1/2		1/2	
3/4	182.20	3/4	568.53	3/4	960.49	3/4	1,353.27	3/4	1,746.05	3/4	2,138.84	3/4	2,531.62	3/4	2,924.41	3/4	3,316.37	3/4	3,707.09	3/4	4,097.81	3/4		3/4		3/4		3/4		3/4	
6	190.37	6	575.88	6	968.67	6	1,361.45	6	1,754.24	6	2,147.02	6	2,539.81	6	2,932.59	6	3,324.51	6	3,715.23	6	4,105.95	6		6		6		6		6	
1/4	198.53	1/4	584.07	1/4	976.85	1/4	1,369.64	1/4	1,762.42	1/4	2,155.20	1/4	2,547.99	1/4	2,940.77	1/4	3,332.65	1/4	3,723.37	1/4	4,114.09	1/4		1/4		1/4		1/4		1/4	
1/2	206.70	1/2	592.25	1/2	985.03	1/2	1,377.82	1/2	1,770.60	1/2	2,163.39	1/2	2,556.17	1/2	2,948.96	1/2	3,340.79	1/2	3,731.51	1/2	4,122.23	1/2		1/2		1/2		1/2		1/2	
3/4	214.87	3/4	600.43	3/4	993.22	3/4	1,386.00	3/4	1,778.79	3/4	2,171.57	3/4	2,564.35	3/4	2,957.14	3/4	3,348.93	3/4	3,739.65	3/4	4,130.37	3/4		3/4		3/4		3/4		3/4	
7	223.03	7	608.62	7	1,001.40	7	1,394.19	7	1,786.97	7	2,179.75	7	2,572.54	7	2,965.32	7	3,357.07	7	3,747.79	7	4,138.51	7		7		7		7		7	
1/4	231.20	1/4	616.80	1/4	1,009.58	1/4	1,402.37	1/4	1,795.15	1/4	2,187.94	1/4	2,580.72	1/4	2,973.50	1/4	3,365.21	1/4	3,755.93	1/4	4,146.24	1/4		1/4		1/4		1/4		1/4	
1/2	239.37	1/2	624.98	1/2	1,017.77	1/2	1,410.55	1/2	1,803.34	1/2	2,196.12	1/2	2,588.90	1/2	2,981.69	1/2	3,373.35	1/2	3,764.07	1/2	4,153.97	1/2		1/2		1/2		1/2		1/2	
3/4	247.53	3/4	633.17	3/4	1,025.95	3/4	1,418.73	3/4	1,811.52	3/4	2,204.30	3/4	2,597.09	3/4	2,989.87	3/4	3,381.49	3/4	3,772.21	3/4	4,161.71	3/4		3/4		3/4		3/4		3/4	
8	255.70	8	641.35	8	1,034.13	8	1,426.92	8	1,819.70	8	2,212.49	8	2,605.27	8	2,998.05	8	3,389.63	8	3,780.35	8	4,169.44	8		8		8		8		8	
1/4	263.87	1/4	649.53	1/4	1,042.32	1/4	1,435.10	1/4	1,827.88	1/4	2,220.67	1/4	2,613.45	1/4	3,006.24	1/4	3,397.77	1/4	3,788.49	1/4	4,176.35	1/4		1/4		1/4		1/4		1/4	
1/2	272.04	1/2	657.71	1/2	1,050.50	1/2	1,443.28	1/2	1,836.07	1/2	2,228.85	1/2	2,621.64	1/2	3,014.42	1/2	3,405.91	1/2	3,796.63	1/2	4,183.26	1/2		1/2		1/2		1/2		1/2	
3/4	280.20	3/4	665.90	3/4	1,058.68	3/4	1,451.47	3/4	1,844.25	3/4	2,237.03	3/4	2,629.82	3/4	3,022.60	3/4	3,414.05	3/4	3,804.77	3/4	4,190.18	3/4		3/4		3/4		3/4		3/4	
9	288.37	9	674.08	9	1,066.87	9	1,459.65	9	1,852.43	9	2,245.22	9	2,638.00	9	3,030.79	9	3,422.19	9	3,812.91	9	4,197.09	9		9		9		9		9	
1/4	296.54	1/4	682.26	1/4	1,075.05	1/4	1,467.83	1/4	1,860.62	1/4	2,253.40	1/4	2,646.18	1/4	3,038.97	1/4	3,430.33	1/4	3,821.05	1/4	4,203.19	1/4		1/4		1/4					



BARGE "MM 77" MAGNOLIA MARINE

INNAGE TABLE

2 PORT OR STAR

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

HULL NO. 4506

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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	18.16		409.17		817.00		1,231.24		1,645.48		2,059.72		2,473.96		2,888.20		3,302.44		3,716.24		4,130.00		4,500.52								
1/4	23.56	1/4	417.82	1/4	825.63	1/4	1,239.87	1/4	1,654.11	1/4	2,068.35	1/4	2,482.59	1/4	2,896.83	1/4	3,311.07	1/4	3,724.86	1/4	4,138.62	1/4	4,504.39	1/4							
1/2	28.97	1/2	426.47	1/2	834.26	1/2	1,248.50	1/2	1,662.74	1/2	2,076.98	1/2	2,491.22	1/2	2,905.46	1/2	3,319.70	1/2	3,733.48	1/2	4,147.24	1/2	4,508.25	1/2							
3/4	34.38	3/4	435.12	3/4	842.89	3/4	1,257.13	3/4	1,671.37	3/4	2,085.61	3/4	2,499.85	3/4	2,914.09	3/4	3,328.33	3/4	3,742.10	3/4	4,155.86	3/4	4,512.11	3/4							
1	39.78	1	443.77	1	851.52	1	1,265.76	1	1,680.00	1	2,094.24	1	2,508.48	1	2,922.72	1	3,336.96	1	3,750.72	1	4,164.48	1	4,515.98	1							
1/4	47.35	1/4	452.42	1/4	860.15	1/4	1,274.39	1/4	1,688.63	1/4	2,102.87	1/4	2,517.11	1/4	2,931.35	1/4	3,345.58	1/4	3,759.34	1/4	4,173.10	1/4	4,518.97	1/4							
1/2	54.92	1/2	461.07	1/2	868.78	1/2	1,283.02	1/2	1,697.26	1/2	2,111.50	1/2	2,525.74	1/2	2,939.98	1/2	3,354.20	1/2	3,767.96	1/2	4,181.72	1/2	4,521.97	1/2							
3/4	62.49	3/4	469.72	3/4	877.41	3/4	1,291.65	3/4	1,705.89	3/4	2,120.13	3/4	2,534.37	3/4	2,948.61	3/4	3,362.82	3/4	3,776.58	3/4	4,190.34	3/4	4,524.97	3/4							
2	70.05	2	478.36	2	886.04	2	1,300.28	2	1,714.52	2	2,128.76	2	2,543.00	2	2,957.24	2	3,371.44	2	3,785.20	2	4,198.96	2	4,527.97	2							
1/4	77.84	1/4	487.01	1/4	894.67	1/4	1,308.91	1/4	1,723.15	1/4	2,137.39	1/4	2,551.63	1/4	2,965.87	1/4	3,380.06	1/4	3,793.82	1/4	4,207.58	1/4	4,530.10	1/4							
1/2	85.63	1/2	495.66	1/2	903.30	1/2	1,317.54	1/2	1,731.78	1/2	2,146.02	1/2	2,560.26	1/2	2,974.50	1/2	3,388.68	1/2	3,802.44	1/2	4,216.20	1/2	4,532.23	1/2							
3/4	93.42	3/4	504.31	3/4	911.93	3/4	1,326.17	3/4	1,740.41	3/4	2,154.65	3/4	2,568.89	3/4	2,983.13	3/4	3,397.30	3/4	3,811.06	3/4	4,224.82	3/4	4,534.36	3/4							
3	101.21	3	512.96	3	920.56	3	1,334.80	3	1,749.04	3	2,163.28	3	2,577.52	3	2,991.76	3	3,405.92	3	3,819.68	3	4,233.44	3	4,536.50	3							
1/4	109.00	1/4	521.61	1/4	929.19	1/4	1,343.43	1/4	1,757.67	1/4	2,171.91	1/4	2,586.15	1/4	3,000.39	1/4	3,414.54	1/4	3,828.30	1/4	4,242.06	1/4	4,537.77	1/4							
1/2	116.79	1/2	530.26	1/2	937.82	1/2	1,352.06	1/2	1,766.30	1/2	2,180.54	1/2	2,594.78	1/2	3,009.02	1/2	3,423.16	1/2	3,836.92	1/2	4,250.68	1/2	4,539.03	1/2							
3/4	124.58	3/4	538.91	3/4	946.45	3/4	1,360.69	3/4	1,774.93	3/4	2,189.17	3/4	2,603.41	3/4	3,017.65	3/4	3,431.78	3/4	3,845.54	3/4	4,259.30	3/4	4,540.30	3/4							
4	132.37	4	547.56	4	955.08	4	1,369.32	4	1,783.56	4	2,197.80	4	2,612.04	4	3,026.28	4	3,440.40	4	3,854.16	4	4,267.92	4	4,541.57	4							
1/4	141.02	1/4	555.35	1/4	963.71	1/4	1,377.95	1/4	1,792.19	1/4	2,206.43	1/4	2,620.67	1/4	3,034.91	1/4	3,449.02	1/4	3,862.78	1/4	4,276.54	1/4	4,541.97	1/4							
1/2	149.67	1/2	563.14	1/2	972.34	1/2	1,386.58	1/2	1,800.82	1/2	2,215.06	1/2	2,629.30	1/2	3,043.54	1/2	3,457.64	1/2	3,871.40	1/2	4,285.16	1/2	4,542.38	1/2							
3/4	158.32	3/4	570.93	3/4	980.97	3/4	1,395.21	3/4	1,809.45	3/4	2,223.69	3/4	2,637.93	3/4	3,052.17	3/4	3,466.26	3/4	3,880.02	3/4	4,293.78	3/4	4,542.78	3/4							
5	166.97	5	578.72	5	989.60	5	1,403.84	5	1,818.08	5	2,232.32	5	2,646.56	5	3,060.80	5	3,474.88	5	3,888.64	5	4,302.40	5	4,543.19	5							
1/4	175.62	1/4	586.51	1/4	998.23	1/4	1,412.47	1/4	1,826.71	1/4	2,240.95	1/4	2,655.19	1/4	3,069.43	1/4	3,483.50	1/4	3,897.26	1/4	4,311.02	1/4		1/4							
1/2	184.27	1/2	594.30	1/2	1,006.86	1/2	1,421.10	1/2	1,835.34	1/2	2,249.58	1/2	2,663.82	1/2	3,078.06	1/2	3,492.12	1/2	3,905.88	1/2	4,319.64	1/2		1/2							
3/4	192.92	3/4	602.09	3/4	1,015.49	3/4	1,429.73	3/4	1,843.97	3/4	2,258.21	3/4	2,672.45	3/4	3,086.69	3/4	3,500.74	3/4	3,914.50	3/4	4,328.26	3/4		3/4							
6	201.57	6	609.88	6	1,024.12	6	1,438.36	6	1,852.60	6	2,266.84	6	2,681.08	6	3,095.32	6	3,509.36	6	3,923.12	6	4,336.88	6		6							
1/4	210.22	1/4	618.51	1/4	1,032.75	1/4	1,446.99	1/4	1,861.23	1/4	2,275.47	1/4	2,689.71	1/4	3,103.95	1/4	3,517.98	1/4	3,931.74	1/4	4,345.50	1/4		1/4							
1/2	218.87	1/2	627.14	1/2	1,041.38	1/2	1,455.62	1/2	1,869.86	1/2	2,284.10	1/2	2,698.34	1/2	3,112.58	1/2	3,526.60	1/2	3,940.36	1/2	4,354.12	1/2		1/2							
3/4	227.52	3/4	635.77	3/4	1,050.01	3/4	1,464.25	3/4	1,878.49	3/4	2,292.73	3/4	2,706.97	3/4	3,121.21	3/4	3,535.22	3/4	3,948.98	3/4	4,362.74	3/4		3/4							
7	236.17	7	644.40	7	1,058.64	7	1,472.88	7	1,887.12	7	2,301.36	7	2,715.60	7	3,129.84	7	3,543.84	7	3,957.60	7	4,371.36	7		7							
1/4	244.82	1/4	653.03	1/4	1,067.27	1/4	1,481.51	1/4	1,895.75	1/4	2,309.99	1/4	2,724.23	1/4	3,138.47	1/4	3,552.46	1/4	3,966.22	1/4	4,379.55	1/4		1/4							
1/2	253.47	1/2	661.66	1/2	1,075.90	1/2	1,490.14	1/2	1,904.38	1/2	2,318.62	1/2	2,732.86	1/2	3,147.10	1/2	3,561.08	1/2	3,974.84	1/2	4,387.73	1/2		1/2							
3/4	262.12	3/4	670.29	3/4	1,084.53	3/4	1,498.77	3/4	1,913.01	3/4	2,327.25	3/4	2,741.49	3/4	3,155.73	3/4	3,569.70	3/4	3,983.46	3/4	4,395.92	3/4		3/4							
8	270.77	8	678.92	8	1,093.16	8	1,507.40	8	1,921.64	8	2,335.88	8	2,750.12	8	3,164.36	8	3,578.32	8	3,992.08	8	4,404.11	8		8							
1/4	279.42	1/4	687.55	1/4	1,101.79	1/4	1,516.03	1/4	1,930.27	1/4	2,344.51	1/4	2,758.75	1/4	3,172.99	1/4	3,586.94	1/4	4,000.70	1/4	4,411.43	1/4		1/4							
1/2	288.07	1/2	696.18	1/2	1,110.42	1/2	1,524.66	1/2	1,938.90	1/2	2,353.14	1/2	2,767.38	1/2	3,181.62	1/2	3,595.56	1/2	4,009.32	1/2	4,418.76	1/2		1/2							
3/4	296.72	3/4	704.81	3/4	1,119.05	3/4	1,533.29	3/4	1,947.53	3/4	2,361.77	3/4	2,776.01	3/4	3,190.25	3/4	3,604.18	3/4	4,017.94	3/4	4,426.08	3/4		3/4							
9	305.37	9	713.44	9	1,127.68	9	1,541.92	9	1,956.16	9	2,370.40	9	2,784.64	9	3,198.88	9	3,612.80	9	4,026.56	9	4,433.40	9		9							
1/4	314.02	1/4	722.07	1/4	1,136.31	1/4	1,550.55	1/4	1,964.79	1/4	2,379.03	1/4	2,793.27	1/4	3,207.51	1/4	3,621.42	1/4	4,035.18	1/4	4,439.86	1/4		1/4							
1/2	322.67	1/2	730.70	1/2	1,144.94	1/2	1,559.18	1/2	1,973.42	1/2	2,387.66	1/2	2,801.90	1/2	3,216.14	1/2	3,630.04	1/2	4,043.80	1/2	4,446.32	1/2		1/2							
3/4	331.32	3/4	739.33	3/4	1,153.57	3/4	1,567.81	3/4	1,982.05	3/4	2,396.29	3/4	2,810.53	3/4	3,224.77	3/4	3,638.66	3/4	4,052.42	3/4	4,452.78	3/4		3/4							
10	339.97	10	747.96	10	1,162.20	10	1,576.44	10	1,990.68	10	2,404.92	10	2,819.16	10	3,233.40	10	3,647.28	10	4,061.04	10	4,459.24	10		10							
1/4	348.62	1/4	756.59	1/4	1,170.83	1/4	1,585.07	1/4	1,999.31	1/4																					



BARGE "MM 77" MAGNOLIA MARINE

INNAGE TABLE

3 PORT OR STAR

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

HULL NO. 4506

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	OUT	IN	OUT	IN	OUT	IN	OUT	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	16.93	0	380.15	0	759.42	0	1,145.05	0	1,530.69	0	1,916.32	0	2,301.95	0	2,687.58	0	3,073.21	0	3,457.70	0	3,842.09	0	4,186.29	0		0		0			
1/4	21.95	1/4	388.18	1/4	767.46	1/4	1,153.09	1/4	1,538.72	1/4	1,924.35	1/4	2,309.98	1/4	2,695.62	1/4	3,081.25	1/4	3,465.71	1/4	3,850.09	1/4	4,189.88	1/4		1/4		1/4			
1/2	26.97	1/2	396.22	1/2	775.49	1/2	1,161.12	1/2	1,546.75	1/2	1,932.39	1/2	2,318.02	1/2	2,703.65	1/2	3,089.28	1/2	3,473.72	1/2	3,858.10	1/2	4,193.47	1/2		1/2		1/2			
3/4	31.99	3/4	404.25	3/4	783.52	3/4	1,169.16	3/4	1,554.79	3/4	1,940.42	3/4	2,326.05	3/4	2,711.68	3/4	3,097.32	3/4	3,481.73	3/4	3,866.11	3/4	4,197.06	3/4		3/4		3/4			
1	37.01	1	412.29	1	791.56	1	1,177.19	1	1,562.82	1	1,948.45	1	2,334.09	1	2,719.72	1	3,105.35	1	3,489.73	1	3,874.12	1	4,200.65	1		1		1			
1/4	44.04	1/4	420.32	1/4	799.59	1/4	1,185.22	1/4	1,570.86	1/4	1,956.49	1/4	2,342.12	1/4	2,727.75	1/4	3,113.36	1/4	3,497.74	1/4	3,882.13	1/4	4,203.44	1/4		1/4		1/4			
1/2	51.07	1/2	428.36	1/2	807.63	1/2	1,193.26	1/2	1,578.89	1/2	1,964.52	1/2	2,350.15	1/2	2,735.79	1/2	3,121.37	1/2	3,505.75	1/2	3,890.13	1/2	4,206.23	1/2		1/2		1/2			
3/4	58.10	3/4	436.39	3/4	815.66	3/4	1,201.29	3/4	1,586.92	3/4	1,972.56	3/4	2,358.19	3/4	2,743.82	3/4	3,129.37	3/4	3,513.76	3/4	3,898.14	3/4	4,209.01	3/4		3/4		3/4			
2	65.13	2	444.43	2	823.69	2	1,209.33	2	1,594.96	2	1,980.59	2	2,366.22	2	2,751.85	2	3,137.38	2	3,521.77	2	3,906.15	2	4,211.80	2		2		2			
1/4	72.37	1/4	452.46	1/4	831.73	1/4	1,217.36	1/4	1,602.99	1/4	1,988.62	1/4	2,374.26	1/4	2,759.89	1/4	3,145.39	1/4	3,529.77	1/4	3,914.16	1/4	4,213.78	1/4		1/4		1/4			
1/2	79.61	1/2	460.50	1/2	839.76	1/2	1,225.39	1/2	1,611.03	1/2	1,996.66	1/2	2,382.29	1/2	2,767.92	1/2	3,153.40	1/2	3,537.78	1/2	3,922.17	1/2	4,215.76	1/2		1/2		1/2			
3/4	86.84	3/4	468.53	3/4	847.80	3/4	1,233.43	3/4	1,619.06	3/4	2,004.69	3/4	2,390.32	3/4	2,775.96	3/4	3,161.41	3/4	3,545.79	3/4	3,930.17	3/4	4,217.74	3/4		3/4		3/4			
3	94.08	3	476.57	3	855.83	3	1,241.46	3	1,627.09	3	2,012.73	3	2,398.36	3	2,783.99	3	3,169.41	3	3,553.80	3	3,938.18	3	4,219.72	3		3		3			
1/4	101.32	1/4	484.60	1/4	863.86	1/4	1,249.50	1/4	1,635.13	1/4	2,020.76	1/4	2,406.39	1/4	2,792.02	1/4	3,177.42	1/4	3,561.81	1/4	3,946.19	1/4	4,220.90	1/4		1/4		1/4			
1/2	108.56	1/2	492.64	1/2	871.90	1/2	1,257.53	1/2	1,643.16	1/2	2,028.79	1/2	2,414.43	1/2	2,800.06	1/2	3,185.43	1/2	3,569.81	1/2	3,954.20	1/2	4,222.08	1/2		1/2		1/2			
3/4	115.79	3/4	500.67	3/4	879.93	3/4	1,265.56	3/4	1,651.20	3/4	2,036.83	3/4	2,422.46	3/4	2,808.09	3/4	3,193.44	3/4	3,577.82	3/4	3,962.21	3/4	4,223.26	3/4		3/4		3/4			
4	123.03	4	508.71	4	887.97	4	1,273.60	4	1,659.23	4	2,044.86	4	2,430.49	4	2,816.13	4	3,201.45	4	3,585.83	4	3,970.21	4	4,224.43	4		4		4			
1/4	131.06	1/4	515.95	1/4	896.00	1/4	1,281.63	1/4	1,667.26	1/4	2,052.90	1/4	2,438.53	1/4	2,824.16	1/4	3,209.45	1/4	3,593.84	1/4	3,978.22	1/4	4,224.81	1/4		1/4		1/4			
1/2	139.10	1/2	523.18	1/2	904.03	1/2	1,289.67	1/2	1,675.30	1/2	2,060.93	1/2	2,446.56	1/2	2,832.19	1/2	3,217.46	1/2	3,601.85	1/2	3,986.23	1/2	4,225.18	1/2		1/2		1/2			
3/4	147.13	3/4	530.42	3/4	912.07	3/4	1,297.70	3/4	1,683.33	3/4	2,068.96	3/4	2,454.60	3/4	2,840.23	3/4	3,225.47	3/4	3,609.85	3/4	3,994.24	3/4	4,225.56	3/4		3/4		3/4			
5	155.17	5	537.66	5	920.10	5	1,305.73	5	1,691.37	5	2,077.00	5	2,462.63	5	2,848.26	5	3,233.48	5	3,617.86	5	4,002.25	5	4,225.93	5		5		5			
1/4	163.20	1/4	544.89	1/4	928.14	1/4	1,313.77	1/4	1,699.40	1/4	2,085.03	1/4	2,470.66	1/4	2,856.30	1/4	3,241.49	1/4	3,625.87	1/4	4,010.25	1/4		1/4		1/4		1/4			
1/2	171.24	1/2	552.13	1/2	936.17	1/2	1,321.80	1/2	1,707.43	1/2	2,093.07	1/2	2,478.70	1/2	2,864.33	1/2	3,249.49	1/2	3,633.88	1/2	4,018.26	1/2		1/2		1/2		1/2			
3/4	179.27	3/4	559.37	3/4	944.20	3/4	1,329.84	3/4	1,715.47	3/4	2,101.10	3/4	2,486.73	3/4	2,872.36	3/4	3,257.50	3/4	3,641.89	3/4	4,026.27	3/4		3/4		3/4		3/4			
6	187.31	6	566.61	6	952.24	6	1,337.87	6	1,723.50	6	2,109.13	6	2,494.77	6	2,880.40	6	3,265.51	6	3,649.89	6	4,034.28	6		6		6		6			
1/4	195.34	1/4	574.64	1/4	960.27	1/4	1,345.90	1/4	1,731.54	1/4	2,117.17	1/4	2,502.80	1/4	2,888.43	1/4	3,273.52	1/4	3,657.90	1/4	4,042.29	1/4		1/4		1/4		1/4			
1/2	203.38	1/2	582.67	1/2	968.31	1/2	1,353.94	1/2	1,739.57	1/2	2,125.20	1/2	2,510.83	1/2	2,896.47	1/2	3,281.53	1/2	3,665.91	1/2	4,050.29	1/2		1/2		1/2		1/2			
3/4	211.41	3/4	590.71	3/4	976.34	3/4	1,361.97	3/4	1,747.60	3/4	2,133.24	3/4	2,518.87	3/4	2,904.50	3/4	3,289.53	3/4	3,673.92	3/4	4,058.30	3/4		3/4		3/4		3/4			
7	219.45	7	598.74	7	984.37	7	1,370.01	7	1,755.64	7	2,141.27	7	2,526.90	7	2,912.53	7	3,297.54	7	3,681.93	7	4,066.31	7		7		7		7			
1/4	227.48	1/4	606.78	1/4	992.41	1/4	1,378.04	1/4	1,763.67	1/4	2,149.30	1/4	2,534.94	1/4	2,920.57	1/4	3,305.55	1/4	3,689.93	1/4	4,073.92	1/4		1/4		1/4		1/4			
1/2	235.52	1/2	614.81	1/2	1,000.44	1/2	1,386.07	1/2	1,771.71	1/2	2,157.34	1/2	2,542.97	1/2	2,928.60	1/2	3,313.56	1/2	3,697.94	1/2	4,081.52	1/2		1/2		1/2		1/2			
3/4	243.55	3/4	622.84	3/4	1,008.48	3/4	1,394.11	3/4	1,779.74	3/4	2,165.37	3/4	2,551.00	3/4	2,936.64	3/4	3,321.57	3/4	3,705.95	3/4	4,089.13	3/4		3/4		3/4		3/4			
8	251.59	8	630.88	8	1,016.51	8	1,402.14	8	1,787.77	8	2,173.41	8	2,559.04	8	2,944.67	8	3,329.57	8	3,713.96	8	4,096.73	8		8		8		8			
1/4	259.62	1/4	638.91	1/4	1,024.54	1/4	1,410.18	1/4	1,795.81	1/4	2,181.44	1/4	2,567.07	1/4	2,952.70	1/4	3,337.58	1/4	3,721.97	1/4	4,103.54	1/4		1/4		1/4		1/4			
1/2	267.66	1/2	646.95	1/2	1,032.58	1/2	1,418.21	1/2	1,803.84	1/2	2,189.47	1/2	2,575.11	1/2	2,960.74	1/2	3,345.59	1/2	3,729.97	1/2	4,110.34	1/2		1/2		1/2		1/2			
3/4	275.69	3/4	654.98	3/4	1,040.61	3/4	1,426.24	3/4	1,811.88	3/4	2,197.51	3/4	2,583.14	3/4	2,968.77	3/4	3,353.60	3/4	3,737.98	3/4	4,117.14	3/4		3/4		3/4		3/4			
9	283.73	9	663.01	9	1,048.65	9	1,434.28	9	1,819.91	9	2,205.54	9	2,591.17	9	2,976.81	9	3,361.61	9	3,745.99	9	4,123.95	9		9		9		9			
1/4	291.76	1/4	671.05	1/4	1,056.68	1/4	1,442.31	1/4	1,827.94	1/4	2,213.58	1/4	2,599.21	1/4	2,984.84	1/4	3,369.61	1/4	3,754.00	1/4	4,129.94	1/4		1/4		1/4		1/4			
1/2	299.80	1/2	679.08	1/2	1,064.71	1/2	1,450.35	1/2	1,835.98	1/2	2,221.61	1/2	2,607.24	1/2	2,992.87	1/2	3,377.62	1/2	3,762.01	1/2	4,135.94	1/2		1/2		1/2		1/2			
3/4	307.83	3/4	687.12	3/4	1,072.75	3/4	1,458.38	3/4	1,844.01	3/4	2,229.64	3/4	2,615.28	3/4	3,000.91	3/4	3,385.63	3/4	3,770.01	3/4	4,141.94	3/4		3/4		3/4		3/4			
10	315.87	10	695.15	10	1,080.78	10	1,466.41	10	1,852.05	10	2,237.68	10	2,623.31	10	3,008.94	10	3,393.64	10	3,778.02	10	4,147.94	10		10		10		10			
1/4	323.90	1/4	703.18	1/4	1,088.82	1/4	1,474.45	1/4	1,860.08	1/4	2,245.71	1/4	2,631.34																		



BARGE "MM 77" MAGNOLIA MARINE

OUTAGE TABLE

1 PORT

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

HULL NO. 4506

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	4,247.07	0	3,886.17	0	3,495.45	0	3,104.43	0	2,711.65	0	2,318.86	0	1,926.08	0	1,533.30	0	1,140.51	0	747.73	0	361.87	0		0				
1/4		1/4	4,242.61	1/4	3,878.03	1/4	3,487.31	1/4	3,096.25	1/4	2,703.47	1/4	2,310.68	1/4	1,917.90	1/4	1,525.11	1/4	1,132.33	1/4	739.55	1/4	353.71	1/4		1/4				
1/2		1/2	4,237.33	1/2	3,869.89	1/2	3,479.17	1/2	3,088.07	1/2	2,695.28	1/2	2,302.50	1/2	1,909.71	1/2	1,516.93	1/2	1,124.15	1/2	731.36	1/2	345.54	1/2		1/2				
3/4		3/4	4,232.05	3/4	3,861.75	3/4	3,471.03	3/4	3,079.88	3/4	2,687.10	3/4	2,294.32	3/4	1,901.53	3/4	1,508.75	3/4	1,115.96	3/4	723.18	3/4	337.37	3/4		3/4				
1		1	4,226.77	1	3,853.61	1	3,462.89	1	3,071.70	1	2,678.92	1	2,286.13	1	1,893.35	1	1,500.56	1	1,107.78	1	715.00	1	329.20	1		1				
1/4		1/4	4,221.49	1/4	3,845.47	1/4	3,454.75	1/4	3,063.52	1/4	2,670.73	1/4	2,277.95	1/4	1,885.17	1/4	1,492.38	1/4	1,099.60	1/4	706.81	1/4	321.04	1/4		1/4				
1/2		1/2	4,215.39	1/2	3,837.33	1/2	3,446.61	1/2	3,055.33	1/2	2,662.55	1/2	2,269.77	1/2	1,876.98	1/2	1,484.20	1/2	1,091.41	1/2	698.63	1/2	312.87	1/2		1/2				
3/4		3/4	4,209.29	3/4	3,829.19	3/4	3,438.47	3/4	3,047.15	3/4	2,654.37	3/4	2,261.58	3/4	1,868.80	3/4	1,476.02	3/4	1,083.23	3/4	690.45	3/4	304.70	3/4		3/4				
2		2	4,203.19	2	3,821.05	2	3,430.33	2	3,038.97	2	2,646.18	2	2,253.40	2	1,860.62	2	1,467.83	2	1,075.05	2	682.26	2	296.54	2		2				
1/4		1/4	4,197.09	1/4	3,812.91	1/4	3,422.19	1/4	3,030.79	1/4	2,638.00	1/4	2,245.22	1/4	1,852.43	1/4	1,459.65	1/4	1,066.87	1/4	674.08	1/4	288.37	1/4		1/4				
1/2		1/2	4,190.18	1/2	3,804.77	1/2	3,414.05	1/2	3,022.60	1/2	2,629.82	1/2	2,237.03	1/2	1,844.25	1/2	1,451.47	1/2	1,058.68	1/2	665.90	1/2	280.20	1/2		1/2				
3/4		3/4	4,183.27	3/4	3,796.63	3/4	3,405.91	3/4	3,014.42	3/4	2,621.64	3/4	2,228.85	3/4	1,836.07	3/4	1,443.28	3/4	1,050.50	3/4	657.72	3/4	272.04	3/4		3/4				
3		3	4,176.35	3	3,788.49	3	3,397.77	3	3,006.24	3	2,613.45	3	2,220.67	3	1,827.88	3	1,435.10	3	1,042.32	3	649.53	3	263.87	3		3				
1/4		1/4	4,169.44	1/4	3,780.35	1/4	3,389.63	1/4	2,998.05	1/4	2,605.27	1/4	2,212.49	1/4	1,819.70	1/4	1,426.92	1/4	1,034.13	1/4	641.35	1/4	255.70	1/4		1/4				
1/2		1/2	4,161.71	1/2	3,772.21	1/2	3,381.49	1/2	2,989.87	1/2	2,597.09	1/2	2,204.30	1/2	1,811.52	1/2	1,418.73	1/2	1,025.95	1/2	633.17	1/2	247.53	1/2		1/2				
3/4		3/4	4,153.98	3/4	3,764.07	3/4	3,373.35	3/4	2,981.69	3/4	2,588.90	3/4	2,196.12	3/4	1,803.34	3/4	1,410.55	3/4	1,017.77	3/4	624.98	3/4	239.37	3/4		3/4				
4		4	4,146.24	4	3,755.93	4	3,365.21	4	2,973.50	4	2,580.72	4	2,187.94	4	1,795.15	4	1,402.37	4	1,009.58	4	616.80	4	231.20	4		4				
1/4		1/4	4,138.51	1/4	3,747.79	1/4	3,357.07	1/4	2,965.32	1/4	2,572.54	1/4	2,179.75	1/4	1,786.97	1/4	1,394.19	1/4	1,001.40	1/4	608.62	1/4	223.03	1/4		1/4				
1/2		1/2	4,130.37	1/2	3,739.65	1/2	3,348.93	1/2	2,957.14	1/2	2,564.35	1/2	2,171.57	1/2	1,778.79	1/2	1,386.00	1/2	993.22	1/2	600.43	1/2	214.87	1/2		1/2				
3/4		3/4	4,122.23	3/4	3,731.51	3/4	3,340.79	3/4	2,948.96	3/4	2,556.17	3/4	2,163.39	3/4	1,770.60	3/4	1,377.82	3/4	985.04	3/4	592.25	3/4	206.70	3/4		3/4				
5		5	4,114.09	5	3,723.37	5	3,332.65	5	2,940.77	5	2,547.99	5	2,155.20	5	1,762.42	5	1,369.64	5	976.85	5	584.07	5	198.53	5		5				
1/4		1/4	4,105.95	1/4	3,715.23	1/4	3,324.51	1/4	2,932.59	1/4	2,539.81	1/4	2,147.02	1/4	1,754.24	1/4	1,361.45	1/4	968.67	1/4	575.89	1/4	190.37	1/4		1/4				
1/2		1/2	4,097.81	1/2	3,707.09	1/2	3,316.37	1/2	2,924.41	1/2	2,531.62	1/2	2,138.84	1/2	1,746.05	1/2	1,353.27	1/2	960.49	1/2	568.53	1/2	182.20	1/2		1/2				
3/4		3/4	4,089.67	3/4	3,698.95	3/4	3,308.23	3/4	2,916.22	3/4	2,523.44	3/4	2,130.66	3/4	1,737.87	3/4	1,345.09	3/4	952.30	3/4	561.18	3/4	174.03	3/4		3/4				
6		6	4,081.53	6	3,690.81	6	3,300.09	6	2,908.04	6	2,515.26	6	2,122.47	6	1,729.69	6	1,336.90	6	944.12	6	553.82	6	165.86	6		6				
1/4	4,300.75	1/4	4,073.39	1/4	3,682.67	1/4	3,291.95	1/4	2,899.86	1/4	2,507.07	1/4	2,114.29	1/4	1,721.51	1/4	1,328.72	1/4	935.94	1/4	546.47	1/4	157.70	1/4		1/4				
1/2	4,300.37	1/2	4,065.25	1/2	3,674.53	1/2	3,283.81	1/2	2,891.67	1/2	2,498.89	1/2	2,106.11	1/2	1,713.32	1/2	1,320.54	1/2	927.75	1/2	539.11	1/2	149.53	1/2		1/2				
3/4	4,299.99	3/4	4,057.11	3/4	3,666.39	3/4	3,275.67	3/4	2,883.49	3/4	2,490.71	3/4	2,097.92	3/4	1,705.14	3/4	1,312.36	3/4	919.57	3/4	531.76	3/4	141.36	3/4		3/4				
7		7	4,299.61	7	4,048.97	7	3,658.25	7	3,267.53	7	2,875.31	7	2,482.52	7	2,089.74	7	1,696.96	7	1,304.17	7	911.39	7	524.40	7	133.20	7				
1/4		1/4	4,299.23	1/4	4,040.83	1/4	3,650.11	1/4	3,259.39	1/4	2,867.13	1/4	2,474.34	1/4	2,081.56	1/4	1,688.77	1/4	1,295.99	1/4	903.21	1/4	517.05	1/4	125.03	1/4				
1/2		1/2	4,298.03	1/2	4,032.69	1/2	3,641.97	1/2	3,251.25	1/2	2,858.94	1/2	2,466.16	1/2	2,073.37	1/2	1,680.59	1/2	1,287.81	1/2	895.02	1/2	508.88	1/2	117.67	1/2				
3/4		3/4	4,296.83	3/4	4,024.55	3/4	3,633.83	3/4	3,243.11	3/4	2,850.76	3/4	2,457.98	3/4	2,065.19	3/4	1,672.41	3/4	1,279.62	3/4	886.84	3/4	500.71	3/4	110.32	3/4				
8		8	4,295.64	8	4,016.41	8	3,625.69	8	3,234.97	8	2,842.58	8	2,449.79	8	2,057.01	8	1,664.22	8	1,271.44	8	878.66	8	492.54	8	102.96	8				
1/4		1/4	4,294.44	1/4	4,008.27	1/4	3,617.55	1/4	3,226.83	1/4	2,834.39	1/4	2,441.61	1/4	2,048.83	1/4	1,656.04	1/4	1,263.26	1/4	870.47	1/4	484.38	1/4	95.61	1/4				
1/2		1/2	4,292.42	1/2	4,000.13	1/2	3,609.41	1/2	3,218.69	1/2	2,826.21	1/2	2,433.43	1/2	2,040.64	1/2	1,647.86	1/2	1,255.07	1/2	862.29	1/2	476.21	1/2	88.25	1/2				
3/4		3/4	4,290.41	3/4	3,991.99	3/4	3,601.27	3/4	3,210.55	3/4	2,818.03	3/4	2,425.24	3/4	2,032.46	3/4	1,639.68	3/4	1,246.89	3/4	854.11	3/4	468.04	3/4	80.90	3/4				
9		9	4,288.40	9	3,983.85	9	3,593.13	9	3,202.41	9	2,809.84	9	2,417.06	9	2,024.28	9	1,631.49	9	1,238.71	9	845.92	9	459.88	9	73.54	9				
1/4		1/4	4,286.38	1/4	3,975.71	1/4	3,584.99	1/4	3,194.27	1/4	2,801.66	1/4	2,408.88	1/4	2,016.09	1/4	1,623.31	1/4	1,230.53	1/4	837.74	1/4	451.71							



BARGE "MM 77" MAGNOLIA MARINE

OUTAGE TABLE

1 STAR

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

HULL NO. 4506

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	4,251.54	0	3,894.31	0	3,503.59	0	3,112.62	0	2,719.83	0	2,327.05	0	1,934.26	0	1,541.48	0	1,148.70	0	755.91	0	370.04	0		0		0		0			
1/4		1/4	4,247.07	1/4	3,886.17	1/4	3,495.45	1/4	3,104.43	1/4	2,711.65	1/4	2,318.86	1/4	1,926.08	1/4	1,533.30	1/4	1,140.51	1/4	747.73	1/4	361.87	1/4		1/4		1/4		1/4			
1/2		1/2	4,242.61	1/2	3,878.03	1/2	3,487.31	1/2	3,096.25	1/2	2,703.47	1/2	2,310.68	1/2	1,917.90	1/2	1,525.11	1/2	1,132.33	1/2	739.55	1/2	353.71	1/2		1/2		1/2		1/2			
3/4		3/4	4,237.33	3/4	3,869.89	3/4	3,479.17	3/4	3,088.07	3/4	2,695.28	3/4	2,302.50	3/4	1,909.71	3/4	1,516.93	3/4	1,124.15	3/4	731.36	3/4	345.54	3/4		3/4		3/4		3/4			
1		1	4,232.05	1	3,861.75	1	3,471.03	1	3,079.88	1	2,687.10	1	2,294.32	1	1,901.53	1	1,508.75	1	1,115.96	1	723.18	1	337.37	1		1		1		1			
1/4		1/4	4,226.77	1/4	3,853.61	1/4	3,462.89	1/4	3,071.70	1/4	2,678.92	1/4	2,286.13	1/4	1,893.35	1/4	1,500.56	1/4	1,107.78	1/4	715.00	1/4	329.20	1/4		1/4		1/4		1/4			
1/2		1/2	4,221.49	1/2	3,845.47	1/2	3,454.75	1/2	3,063.52	1/2	2,670.73	1/2	2,277.95	1/2	1,885.17	1/2	1,492.38	1/2	1,099.60	1/2	706.81	1/2	321.04	1/2		1/2		1/2		1/2			
3/4		3/4	4,215.39	3/4	3,837.33	3/4	3,446.61	3/4	3,055.33	3/4	2,662.55	3/4	2,269.77	3/4	1,876.98	3/4	1,484.20	3/4	1,091.41	3/4	698.63	3/4	312.87	3/4		3/4		3/4		3/4			
2		2	4,209.29	2	3,829.19	2	3,438.47	2	3,047.15	2	2,654.37	2	2,261.58	2	1,868.80	2	1,476.02	2	1,083.23	2	690.45	2	304.70	2		2		2		2		2	
1/4		1/4	4,203.19	1/4	3,821.05	1/4	3,430.33	1/4	3,038.97	1/4	2,646.18	1/4	2,253.40	1/4	1,860.62	1/4	1,467.83	1/4	1,075.05	1/4	682.26	1/4	296.54	1/4		1/4		1/4		1/4			
1/2		1/2	4,197.09	1/2	3,812.91	1/2	3,422.19	1/2	3,030.79	1/2	2,638.00	1/2	2,245.22	1/2	1,852.43	1/2	1,459.65	1/2	1,066.87	1/2	674.08	1/2	288.37	1/2		1/2		1/2		1/2			
3/4		3/4	4,190.18	3/4	3,804.77	3/4	3,414.05	3/4	3,022.60	3/4	2,629.82	3/4	2,237.03	3/4	1,844.25	3/4	1,451.47	3/4	1,058.68	3/4	665.90	3/4	280.20	3/4		3/4		3/4		3/4			
3		3	4,183.27	3	3,796.63	3	3,405.91	3	3,014.42	3	2,621.64	3	2,228.85	3	1,836.07	3	1,443.28	3	1,050.50	3	657.72	3	272.04	3		3		3		3		3	
1/4		1/4	4,176.35	1/4	3,788.49	1/4	3,397.77	1/4	3,006.24	1/4	2,613.45	1/4	2,220.67	1/4	1,827.88	1/4	1,435.10	1/4	1,042.32	1/4	649.53	1/4	263.87	1/4		1/4		1/4		1/4			
1/2		1/2	4,169.44	1/2	3,780.35	1/2	3,389.63	1/2	2,998.05	1/2	2,605.27	1/2	2,212.49	1/2	1,819.70	1/2	1,426.92	1/2	1,034.13	1/2	641.35	1/2	255.70	1/2		1/2		1/2		1/2			
3/4		3/4	4,161.71	3/4	3,772.21	3/4	3,381.49	3/4	2,989.87	3/4	2,597.09	3/4	2,204.30	3/4	1,811.52	3/4	1,418.73	3/4	1,025.95	3/4	633.17	3/4	247.53	3/4		3/4		3/4		3/4			
4		4	4,153.98	4	3,764.07	4	3,373.35	4	2,981.69	4	2,588.90	4	2,196.12	4	1,803.34	4	1,410.55	4	1,017.77	4	624.98	4	239.37	4		4		4		4		4	
1/4		1/4	4,146.24	1/4	3,755.93	1/4	3,365.21	1/4	2,973.50	1/4	2,580.72	1/4	2,187.94	1/4	1,795.15	1/4	1,402.37	1/4	1,009.58	1/4	616.80	1/4	231.20	1/4		1/4		1/4		1/4			
1/2		1/2	4,138.51	1/2	3,747.79	1/2	3,357.07	1/2	2,965.32	1/2	2,572.54	1/2	2,179.75	1/2	1,786.97	1/2	1,394.19	1/2	1,001.40	1/2	608.62	1/2	223.03	1/2		1/2		1/2		1/2			
3/4		3/4	4,130.37	3/4	3,739.65	3/4	3,348.93	3/4	2,957.14	3/4	2,564.35	3/4	2,171.57	3/4	1,778.79	3/4	1,386.00	3/4	993.22	3/4	600.43	3/4	214.87	3/4		3/4		3/4		3/4			
5		5	4,122.23	5	3,731.51	5	3,340.79	5	2,948.96	5	2,556.17	5	2,163.39	5	1,770.60	5	1,377.82	5	985.04	5	592.25	5	206.70	5		5		5		5		5	
1/4		1/4	4,114.09	1/4	3,723.37	1/4	3,332.65	1/4	2,940.77	1/4	2,547.99	1/4	2,155.20	1/4	1,762.42	1/4	1,369.64	1/4	976.85	1/4	584.07	1/4	198.53	1/4		1/4		1/4		1/4			
1/2		1/2	4,105.95	1/2	3,715.23	1/2	3,324.51	1/2	2,932.59	1/2	2,539.81	1/2	2,147.02	1/2	1,754.24	1/2	1,361.45	1/2	968.67	1/2	575.89	1/2	190.37	1/2		1/2		1/2		1/2			
3/4		3/4	4,097.81	3/4	3,707.09	3/4	3,316.37	3/4	2,924.41	3/4	2,531.62	3/4	2,138.84	3/4	1,746.05	3/4	1,353.27	3/4	960.49	3/4	568.53	3/4	182.20	3/4		3/4		3/4		3/4			
6		6	4,089.67	6	3,698.95	6	3,308.23	6	2,916.22	6	2,523.44	6	2,130.66	6	1,737.87	6	1,345.09	6	952.30	6	561.18	6	174.03	6		6		6		6		6	
1/4		1/4	4,081.53	1/4	3,690.81	1/4	3,300.09	1/4	2,908.04	1/4	2,515.26	1/4	2,122.47	1/4	1,729.69	1/4	1,336.90	1/4	944.12	1/4	553.82	1/4	165.86	1/4		1/4		1/4		1/4			
1/2		1/2	4,073.39	1/2	3,682.67	1/2	3,291.95	1/2	2,899.86	1/2	2,507.07	1/2	2,114.29	1/2	1,721.51	1/2	1,328.72	1/2	935.94	1/2	546.47	1/2	157.70	1/2		1/2		1/2		1/2			
3/4		3/4	4,065.25	3/4	3,674.53	3/4	3,283.81	3/4	2,891.67	3/4	2,498.89	3/4	2,106.11	3/4	1,713.32	3/4	1,320.54	3/4	927.75	3/4	539.11	3/4	149.53	3/4		3/4		3/4		3/4			
7		7	4,299.99	7	4,057.11	7	3,666.39	7	3,275.67	7	2,883.49	7	2,490.71	7	2,097.92	7	1,705.14	7	1,312.36	7	919.57	7	531.76	7	141.36	7		7		7		7	
1/4		1/4	4,299.61	1/4	4,048.97	1/4	3,658.25	1/4	3,267.53	1/4	2,875.31	1/4	2,482.52	1/4	2,089.74	1/4	1,696.96	1/4	1,304.17	1/4	911.39	1/4	524.40	1/4	133.20	1/4		1/4		1/4			
1/2		1/2	4,299.23	1/2	4,040.83	1/2	3,650.11	1/2	3,259.39	1/2	2,867.13	1/2	2,474.34	1/2	2,081.56	1/2	1,688.77	1/2	1,295.99	1/2	903.21	1/2	517.05	1/2	125.03	1/2		1/2		1/2			
3/4		3/4	4,298.03	3/4	4,032.69	3/4	3,641.97	3/4	3,251.25	3/4	2,858.94	3/4	2,466.16	3/4	2,073.37	3/4	1,680.59	3/4	1,287.81	3/4	895.02	3/4	508.88	3/4	117.67	3/4		3/4		3/4			
8		8	4,296.83	8	4,024.55	8	3,633.83	8	3,243.11	8	2,850.76	8	2,457.98	8	2,065.19	8	1,672.41	8	1,279.62	8	886.84	8	500.71	8	110.32	8		8		8		8	
1/4		1/4	4,295.64	1/4	4,016.41	1/4	3,625.69	1/4	3,234.97	1/4	2,842.58	1/4	2,449.79	1/4	2,057.01	1/4	1,664.22	1/4	1,271.44	1/4	878.66	1/4	492.54	1/4	102.96	1/4		1/4		1/4			
1/2		1/2	4,294.44	1/2	4,008.27	1/2	3,617.55	1/2	3,226.83	1/2	2,834.39	1/2	2,441.61	1/2	2,048.83	1/2	1,656.04	1/2	1,263.26	1/2	870.47	1/2	484.38	1/2	95.61	1/2		1/2		1/2			
3/4		3/4	4,292.42	3/4	4,000.13	3/4	3,609.41	3/4	3,218.69	3/4	2,826.21	3/4	2,433.43	3/4	2,040.64	3/4	1,647.86	3/4	1,255.07	3/4	862.29	3/4	476.21	3/4	88.25	3/4		3/4		3/4			
9		9	4,290.41	9	3,991.99	9	3,601.27	9	3,210.55	9	2,818.03	9	2,425.24	9	2,032.46	9	1,639.68	9	1,246.89	9	854.11	9	468.04	9	80.90	9		9		9		9	
1/4		1/4	4,288.40	1/4	3,983.85	1/4	3,593.13	1/4	3,202.41	1/4	2,809.84	1/4	2,417.06	1/4	2,024.28	1/4	1,631.49	1/4	1,238.71	1/4	845.92	1/4	459.88	1/4	73.54	1/4		1/4		1/			



BARGE "MM 77" MAGNOLIA MARINE

OUTAGE TABLE

2 PORT

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

HULL NO. 4506

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	OUT	IN	OUT	IN	OUT	IN	OUT	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		0	4,500.52	0	4,130.00	0	3,716.24	0	3,302.44	0	2,888.20	0	2,473.96	0	2,059.72	0	1,645.48	0	1,231.24	0	817.00	0	409.16	0	* 18.16	0		0		0	
1/4		1/4	4,495.79	1/4	4,121.38	1/4	3,707.62	1/4	3,293.81	1/4	2,879.57	1/4	2,465.33	1/4	2,051.09	1/4	1,636.85	1/4	1,222.61	1/4	808.37	1/4	400.51	1/4		1/4		1/4		1/4	
1/2		1/2	4,491.07	1/2	4,112.76	1/2	3,699.00	1/2	3,285.18	1/2	2,870.94	1/2	2,456.70	1/2	2,042.46	1/2	1,628.22	1/2	1,213.98	1/2	799.74	1/2	391.86	1/2		1/2		1/2		1/2	
3/4		3/4	4,486.34	3/4	4,104.14	3/4	3,690.38	3/4	3,276.55	3/4	2,862.31	3/4	2,448.07	3/4	2,033.83	3/4	1,619.59	3/4	1,205.35	3/4	791.11	3/4	383.21	3/4		3/4		3/4		3/4	
1		1	4,481.61	1	4,095.52	1	3,681.76	1	3,267.92	1	2,853.68	1	2,439.44	1	2,025.20	1	1,610.96	1	1,196.72	1	782.48	1	374.56	1		1		1		1	
1/4		1/4	4,476.02	1/4	4,086.90	1/4	3,673.14	1/4	3,259.29	1/4	2,845.05	1/4	2,430.81	1/4	2,016.57	1/4	1,602.33	1/4	1,188.09	1/4	773.85	1/4	365.91	1/4		1/4		1/4		1/4	
1/2		1/2	4,470.42	1/2	4,078.28	1/2	3,664.52	1/2	3,250.66	1/2	2,836.42	1/2	2,422.18	1/2	2,007.94	1/2	1,593.70	1/2	1,179.46	1/2	765.22	1/2	357.26	1/2		1/2		1/2		1/2	
3/4		3/4	4,464.83	3/4	4,069.66	3/4	3,655.90	3/4	3,242.03	3/4	2,827.79	3/4	2,413.55	3/4	1,999.31	3/4	1,585.07	3/4	1,170.83	3/4	756.59	3/4	348.61	3/4		3/4		3/4		3/4	
2		2	4,459.24	2	4,061.04	2	3,647.28	2	3,233.40	2	2,819.16	2	2,404.92	2	1,990.68	2	1,576.44	2	1,162.20	2	747.96	2	339.96	2		2		2		2	
1/4		1/4	4,452.78	1/4	4,052.42	1/4	3,638.66	1/4	3,224.77	1/4	2,810.53	1/4	2,396.29	1/4	1,982.05	1/4	1,567.81	1/4	1,153.57	1/4	739.33	1/4	331.31	1/4		1/4		1/4		1/4	
1/2		1/2	4,446.32	1/2	4,043.80	1/2	3,630.04	1/2	3,216.14	1/2	2,801.90	1/2	2,387.66	1/2	1,973.42	1/2	1,559.18	1/2	1,144.94	1/2	730.70	1/2	322.66	1/2		1/2		1/2		1/2	
3/4		3/4	4,439.86	3/4	4,035.18	3/4	3,621.42	3/4	3,207.51	3/4	2,793.27	3/4	2,379.03	3/4	1,964.79	3/4	1,550.55	3/4	1,136.31	3/4	722.07	3/4	314.01	3/4		3/4		3/4		3/4	
3		3	4,433.40	3	4,026.56	3	3,612.80	3	3,198.88	3	2,784.64	3	2,370.40	3	1,956.16	3	1,541.92	3	1,127.68	3	713.44	3	305.36	3		3		3		3	
1/4		1/4	4,426.08	1/4	4,017.94	1/4	3,604.18	1/4	3,190.25	1/4	2,776.01	1/4	2,361.77	1/4	1,947.53	1/4	1,533.29	1/4	1,119.05	1/4	704.81	1/4	296.71	1/4		1/4		1/4		1/4	
1/2		1/2	4,418.76	1/2	4,009.32	1/2	3,595.56	1/2	3,181.62	1/2	2,767.38	1/2	2,353.14	1/2	1,938.90	1/2	1,524.66	1/2	1,110.42	1/2	696.18	1/2	288.06	1/2		1/2		1/2		1/2	
3/4		3/4	4,411.43	3/4	4,000.70	3/4	3,586.94	3/4	3,172.99	3/4	2,758.75	3/4	2,344.51	3/4	1,930.27	3/4	1,516.03	3/4	1,101.79	3/4	687.55	3/4	279.41	3/4		3/4		3/4		3/4	
4		4	4,404.11	4	3,992.08	4	3,578.32	4	3,164.36	4	2,750.12	4	2,335.88	4	1,921.64	4	1,507.40	4	1,093.16	4	678.92	4	270.76	4		4		4		4	
1/4		1/4	4,395.92	1/4	3,983.46	1/4	3,569.70	1/4	3,155.73	1/4	2,741.49	1/4	2,327.25	1/4	1,913.01	1/4	1,498.77	1/4	1,084.53	1/4	670.29	1/4	262.11	1/4		1/4		1/4		1/4	
1/2		1/2	4,387.73	1/2	3,974.84	1/2	3,561.08	1/2	3,147.10	1/2	2,732.86	1/2	2,318.62	1/2	1,904.38	1/2	1,490.14	1/2	1,075.90	1/2	661.66	1/2	253.46	1/2		1/2		1/2		1/2	
3/4		3/4	4,379.55	3/4	3,966.22	3/4	3,552.46	3/4	3,138.47	3/4	2,724.23	3/4	2,309.99	3/4	1,895.75	3/4	1,481.51	3/4	1,067.27	3/4	653.03	3/4	244.81	3/4		3/4		3/4		3/4	
5		5	4,371.36	5	3,957.60	5	3,543.84	5	3,129.84	5	2,715.60	5	2,301.36	5	1,887.12	5	1,472.88	5	1,058.64	5	644.40	5	236.16	5		5		5		5	
1/4		1/4	4,362.74	1/4	3,948.98	1/4	3,535.22	1/4	3,121.21	1/4	2,706.97	1/4	2,292.73	1/4	1,878.49	1/4	1,464.25	1/4	1,050.01	1/4	635.77	1/4	227.51	1/4		1/4		1/4		1/4	
1/2		1/2	4,354.12	1/2	3,940.36	1/2	3,526.60	1/2	3,112.58	1/2	2,698.34	1/2	2,284.10	1/2	1,869.86	1/2	1,455.62	1/2	1,041.38	1/2	627.14	1/2	218.86	1/2		1/2		1/2		1/2	
3/4		3/4	4,345.50	3/4	3,931.74	3/4	3,517.98	3/4	3,103.95	3/4	2,689.71	3/4	2,275.47	3/4	1,861.23	3/4	1,446.99	3/4	1,032.75	3/4	618.51	3/4	210.21	3/4		3/4		3/4		3/4	
6		6	4,336.88	6	3,923.12	6	3,509.36	6	3,095.32	6	2,681.08	6	2,266.84	6	1,852.60	6	1,438.36	6	1,024.12	6	609.88	6	201.56	6		6		6		6	
1/4		1/4	4,328.26	1/4	3,914.50	1/4	3,500.74	1/4	3,086.69	1/4	2,672.45	1/4	2,258.21	1/4	1,843.97	1/4	1,429.73	1/4	1,015.49	1/4	602.09	1/4	192.91	1/4		1/4		1/4		1/4	
1/2		1/2	4,319.64	1/2	3,905.88	1/2	3,492.12	1/2	3,078.06	1/2	2,663.82	1/2	2,249.58	1/2	1,835.34	1/2	1,421.10	1/2	1,006.86	1/2	594.30	1/2	184.26	1/2		1/2		1/2		1/2	
3/4		3/4	4,311.02	3/4	3,897.26	3/4	3,483.50	3/4	3,069.43	3/4	2,655.19	3/4	2,240.95	3/4	1,826.71	3/4	1,412.47	3/4	998.23	3/4	586.51	3/4	175.61	3/4		3/4		3/4		3/4	
7	4,543.19	7	4,302.40	7	3,888.64	7	3,474.88	7	3,060.80	7	2,646.56	7	2,232.32	7	1,818.08	7	1,403.84	7	989.60	7	578.72	7	166.96	7		7		7		7	
1/4	4,542.78	1/4	4,293.78	1/4	3,880.02	1/4	3,466.26	1/4	3,052.17	1/4	2,637.93	1/4	2,223.69	1/4	1,809.45	1/4	1,395.21	1/4	980.97	1/4	570.93	1/4	158.31	1/4		1/4		1/4		1/4	
1/2	4,542.38	1/2	4,285.16	1/2	3,871.40	1/2	3,457.64	1/2	3,043.54	1/2	2,629.30	1/2	2,215.06	1/2	1,800.82	1/2	1,386.58	1/2	972.34	1/2	563.14	1/2	149.66	1/2		1/2		1/2		1/2	
3/4	4,541.97	3/4	4,276.54	3/4	3,862.78	3/4	3,449.02	3/4	3,034.91	3/4	2,620.67	3/4	2,206.43	3/4	1,792.19	3/4	1,377.95	3/4	963.71	3/4	555.35	3/4	141.01	3/4		3/4		3/4		3/4	
8	4,541.57	8	4,267.92	8	3,854.16	8	3,440.40	8	3,026.28	8	2,612.04	8	2,197.80	8	1,783.56	8	1,369.32	8	955.08	8	547.56	8	132.36	8		8		8		8	
1/4	4,540.30	1/4	4,259.30	1/4	3,845.54	1/4	3,431.78	1/4	3,017.65	1/4	2,603.41	1/4	2,189.17	1/4	1,774.93	1/4	1,360.69	1/4	946.45	1/4	538.91	1/4	124.58	1/4		1/4		1/4		1/4	
1/2	4,539.03	1/2	4,250.68	1/2	3,836.92	1/2	3,423.16	1/2	3,009.02	1/2	2,594.78	1/2	2,180.54	1/2	1,766.30	1/2	1,352.06	1/2	937.82	1/2	530.26	1/2	116.79	1/2		1/2		1/2		1/2	
3/4	4,537.77	3/4	4,242.06	3/4	3,828.30	3/4	3,414.54	3/4	3,000.39	3/4	2,586.15	3/4	2,171.91	3/4	1,757.67	3/4	1,343.43	3/4	929.19	3/4	521.61	3/4	109.00	3/4		3/4		3/4		3/4	
9	4,536.50	9	4,233.44	9	3,819.68	9	3,405.92	9	2,991.76	9	2,577.52	9	2,163.28	9	1,749.04	9	1,334.80	9	920.56	9	512.96	9	101.21	9		9		9			
1/4	4,534.36	1/4	4,224.82	1/4	3,811.06	1/4	3,397.30	1/4	2,983.13	1/4	2,568.89	1/4	2,154.65	1/4	1,740.41	1/4	1,326.17	1/4	911.93	1/4	504.31	1/4	93.42	1/4		1/4		1/4			
1/2	4,532.23	1/2	4,216.20</																												



BARGE "MM 77" MAGNOLIA MARINE

OUTAGE TABLE

2 STAR

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

HULL NO. 4506

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	OUT	IN	OUT	IN	OUT	IN	OUT	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	0	4,495.79	0	4,121.38	0	3,707.62	0	3,293.81	0	2,879.57	0	2,465.33	0	2,051.09	0	1,636.85	0	1,222.61	0	808.37	0	400.51	0		0						
1/4	1/4	4,491.07	1/4	4,112.76	1/4	3,699.00	1/4	3,285.18	1/4	2,870.94	1/4	2,456.70	1/4	2,042.46	1/4	1,628.22	1/4	1,213.98	1/4	799.74	1/4	391.86	1/4		1/4						
1/2	1/2	4,486.34	1/2	4,104.14	1/2	3,690.38	1/2	3,276.55	1/2	2,862.31	1/2	2,448.07	1/2	2,033.83	1/2	1,619.59	1/2	1,205.35	1/2	791.11	1/2	383.21	1/2		1/2						
3/4	3/4	4,481.61	3/4	4,095.52	3/4	3,681.76	3/4	3,267.92	3/4	2,853.68	3/4	2,439.44	3/4	2,025.20	3/4	1,610.96	3/4	1,196.72	3/4	782.48	3/4	374.56	3/4		3/4						
1	1	4,476.02	1	4,086.90	1	3,673.14	1	3,259.29	1	2,845.05	1	2,430.81	1	2,016.57	1	1,602.33	1	1,188.09	1	773.85	1	365.91	1		1						
1/4	1/4	4,470.42	1/4	4,078.28	1/4	3,664.52	1/4	3,250.66	1/4	2,836.42	1/4	2,422.18	1/4	2,007.94	1/4	1,593.70	1/4	1,179.46	1/4	765.22	1/4	357.26	1/4		1/4						
1/2	1/2	4,464.83	1/2	4,069.66	1/2	3,655.90	1/2	3,242.03	1/2	2,827.79	1/2	2,413.55	1/2	1,999.31	1/2	1,585.07	1/2	1,170.83	1/2	756.59	1/2	348.61	1/2		1/2						
3/4	3/4	4,459.24	3/4	4,061.04	3/4	3,647.28	3/4	3,233.40	3/4	2,819.16	3/4	2,404.92	3/4	1,990.68	3/4	1,576.44	3/4	1,162.20	3/4	747.96	3/4	339.96	3/4		3/4						
2	2	4,452.78	2	4,052.42	2	3,638.66	2	3,224.77	2	2,810.53	2	2,396.29	2	1,982.05	2	1,567.81	2	1,153.57	2	739.33	2	331.31	2		2						
1/4	1/4	4,446.32	1/4	4,043.80	1/4	3,630.04	1/4	3,216.14	1/4	2,801.90	1/4	2,387.66	1/4	1,973.42	1/4	1,559.18	1/4	1,144.94	1/4	730.70	1/4	322.66	1/4		1/4						
1/2	1/2	4,439.86	1/2	4,035.18	1/2	3,621.42	1/2	3,207.51	1/2	2,793.27	1/2	2,379.03	1/2	1,964.79	1/2	1,550.55	1/2	1,136.31	1/2	722.07	1/2	314.01	1/2		1/2						
3/4	3/4	4,433.40	3/4	4,026.56	3/4	3,612.80	3/4	3,198.88	3/4	2,784.64	3/4	2,370.40	3/4	1,956.16	3/4	1,541.92	3/4	1,127.68	3/4	713.44	3/4	305.36	3/4		3/4						
3	3	4,426.08	3	4,017.94	3	3,604.18	3	3,190.25	3	2,776.01	3	2,361.77	3	1,947.53	3	1,533.29	3	1,119.05	3	704.81	3	296.71	3		3						
1/4	1/4	4,418.76	1/4	4,009.32	1/4	3,595.56	1/4	3,181.62	1/4	2,767.38	1/4	2,353.14	1/4	1,938.90	1/4	1,524.66	1/4	1,110.42	1/4	696.18	1/4	288.06	1/4		1/4						
1/2	1/2	4,411.43	1/2	4,000.70	1/2	3,586.94	1/2	3,172.99	1/2	2,758.75	1/2	2,344.51	1/2	1,930.27	1/2	1,516.03	1/2	1,101.79	1/2	687.55	1/2	279.41	1/2		1/2						
3/4	3/4	4,404.11	3/4	3,992.08	3/4	3,578.32	3/4	3,164.36	3/4	2,750.12	3/4	2,335.88	3/4	1,921.64	3/4	1,507.40	3/4	1,093.16	3/4	678.92	3/4	270.76	3/4		3/4						
4	4	4,395.92	4	3,983.46	4	3,569.70	4	3,155.73	4	2,741.49	4	2,327.25	4	1,913.01	4	1,498.77	4	1,084.53	4	670.29	4	262.11	4		4						
1/4	1/4	4,387.73	1/4	3,974.84	1/4	3,561.08	1/4	3,147.10	1/4	2,732.86	1/4	2,318.62	1/4	1,904.38	1/4	1,490.14	1/4	1,075.90	1/4	661.66	1/4	253.46	1/4		1/4						
1/2	1/2	4,379.55	1/2	3,966.22	1/2	3,552.46	1/2	3,138.47	1/2	2,724.23	1/2	2,309.99	1/2	1,895.75	1/2	1,481.51	1/2	1,067.27	1/2	653.03	1/2	244.81	1/2		1/2						
3/4	3/4	4,371.36	3/4	3,957.60	3/4	3,543.84	3/4	3,129.84	3/4	2,715.60	3/4	2,301.36	3/4	1,887.12	3/4	1,472.88	3/4	1,058.64	3/4	644.40	3/4	236.16	3/4		3/4						
5	5	4,362.74	5	3,948.98	5	3,535.22	5	3,121.21	5	2,706.97	5	2,292.73	5	1,878.49	5	1,464.25	5	1,050.01	5	635.77	5	227.51	5		5						
1/4	1/4	4,354.12	1/4	3,940.36	1/4	3,526.60	1/4	3,112.58	1/4	2,698.34	1/4	2,284.10	1/4	1,869.86	1/4	1,455.62	1/4	1,041.38	1/4	627.14	1/4	218.86	1/4		1/4						
1/2	1/2	4,345.50	1/2	3,931.74	1/2	3,517.98	1/2	3,103.95	1/2	2,689.71	1/2	2,275.47	1/2	1,861.23	1/2	1,446.99	1/2	1,032.75	1/2	618.51	1/2	210.21	1/2		1/2						
3/4	3/4	4,336.88	3/4	3,923.12	3/4	3,509.36	3/4	3,095.32	3/4	2,681.08	3/4	2,266.84	3/4	1,852.60	3/4	1,438.36	3/4	1,024.12	3/4	609.88	3/4	201.56	3/4		3/4						
6	6	4,328.26	6	3,914.50	6	3,500.74	6	3,086.69	6	2,672.45	6	2,258.21	6	1,843.97	6	1,429.73	6	1,015.49	6	602.09	6	192.91	6		6						
1/4	1/4	4,319.64	1/4	3,905.88	1/4	3,492.12	1/4	3,078.06	1/4	2,663.82	1/4	2,249.58	1/4	1,835.34	1/4	1,421.10	1/4	1,006.86	1/4	594.30	1/4	184.26	1/4		1/4						
1/2	1/2	4,311.02	1/2	3,897.26	1/2	3,483.50	1/2	3,069.43	1/2	2,655.19	1/2	2,240.95	1/2	1,826.71	1/2	1,412.47	1/2	998.23	1/2	586.51	1/2	175.61	1/2		1/2						
3/4	3/4	4,543.19	3/4	4,302.40	3/4	3,888.64	3/4	3,474.88	3/4	3,060.80	3/4	2,646.56	3/4	2,232.32	3/4	1,818.08	3/4	1,403.84	3/4	989.60	3/4	166.96	3/4		3/4						
7	7	4,542.78	7	4,293.78	7	3,880.02	7	3,466.26	7	3,052.17	7	2,637.93	7	2,223.69	7	1,809.45	7	1,395.21	7	980.97	7	158.31	7		7						
1/4	1/4	4,542.38	1/4	4,285.16	1/4	3,871.40	1/4	3,457.64	1/4	3,043.54	1/4	2,629.30	1/4	2,215.06	1/4	1,800.82	1/4	1,386.58	1/4	972.34	1/4	149.66	1/4		1/4						
1/2	1/2	4,541.97	1/2	4,276.54	1/2	3,862.78	1/2	3,449.02	1/2	3,034.91	1/2	2,620.67	1/2	2,206.43	1/2	1,792.19	1/2	1,377.95	1/2	963.71	1/2	141.01	1/2		1/2						
3/4	3/4	4,541.57	3/4	4,267.92	3/4	3,854.16	3/4	3,440.40	3/4	3,026.28	3/4	2,612.04	3/4	2,197.80	3/4	1,783.56	3/4	1,369.32	3/4	955.08	3/4	132.36	3/4		3/4						
8	8	4,540.30	8	4,259.30	8	3,845.54	8	3,431.78	8	3,017.65	8	2,603.41	8	2,189.17	8	1,774.93	8	1,360.69	8	946.45	8	124.58	8		8						
1/4	1/4	4,539.03	1/4	4,250.68	1/4	3,836.92	1/4	3,423.16	1/4	3,009.02	1/4	2,594.78	1/4	2,180.54	1/4	1,766.30	1/4	1,352.06	1/4	937.82	1/4	116.79	1/4		1/4						
1/2	1/2	4,537.77	1/2	4,242.06	1/2	3,828.30	1/2	3,414.54	1/2	3,000.39	1/2	2,586.15	1/2	2,171.91	1/2	1,757.67	1/2	1,343.43	1/2	929.19	1/2	109.00	1/2		1/2						
3/4	3/4	4,536.50	3/4	4,233.44	3/4	3,819.68	3/4	3,405.92	3/4	2,991.76	3/4	2,577.52	3/4	2,163.28	3/4	1,749.04	3/4	1,334.80	3/4	920.56	3/4	101.21	3/4		3/4						
9	9	4,534.36	9	4,224.82	9	3,811.06	9	3,397.30	9	2,983.13	9	2,568.89	9	2,154.65	9	1,740.41	9	1,326.17	9	911.93	9	93.42	9		9						
1/4	1/4	4,532.23	1/4	4,216.20	1/4	3,802.44	1/4	3,388.68	1/4	2,974.50	1/4	2,560.26	1/4	2,146.02	1/4	1,731.78	1/4	1,317.54	1/4	903.30	1/4	85.63	1/4		1/4						
1/2	1/2	4,530.10	1/2	4,207.58	1/2	3,793.82	1/2	3,380.06	1/2	2,965.87	1/2	2,551.63	1/2	2,137.39	1/2	1,723.15	1/2	1,308.91	1/2	894.67	1/2	77.84	1/2		1/2						
3/4	3/4	4,527.97	3/4	4,198.96	3/4	3,785.20	3/4	3,371.44	3/4	2,957.24	3/4	2,543.00	3/4	2,128.76	3/4	1,714.52	3/4	1,300.28	3/4	886.04	3/4	70.05	3/4		3/4						
10	10	4,524.97	10	4,190.34	10	3,776.58	10	3,362.82	10	2,948.61	10	2,534.37	10	2,120.13	10	1,705.89	10	1,291.65	10	877.41	10	62.48	10		10						
1/4	1/4	4,521.97	1/4	4,181.72	1/4	3,767.96	1/4	3,354.20	1/4	2,939.98	1/4	2,525.74	1/4	2,111.50	1/4	1,697.26	1/4	1,283.02	1/4	868.78	1/4	54.92	1/4		1/4						
1/2	1/2	4,518.97	1/2	4,173.10	1/2	3,759.34	1/2	3,345.5																							



BARGE "MM 77" MAGNOLIA MARINE

OUTAGE TABLE

3 PORT

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

HULL NO. 4506

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	4,186.29	0	3,842.09	0	3,457.70	0	3,073.21	0	2,687.58	0	2,301.95	0	1,916.32	0	1,530.69	0	1,145.05	0	759.42	0	380.15	0	* 16.93	0		0		0	
1/4	1/4	4,181.90	1/4	3,834.08	1/4	3,449.69	1/4	3,065.18	1/4	2,679.55	1/4	2,293.92	1/4	1,908.28	1/4	1,522.65	1/4	1,137.02	1/4	751.39	1/4	372.11	1/4		1/4		1/4		1/4	
1/2	1/2	4,177.51	1/2	3,826.07	1/2	3,441.69	1/2	3,057.15	1/2	2,671.51	1/2	2,285.88	1/2	1,900.25	1/2	1,514.62	1/2	1,128.99	1/2	743.35	1/2	364.08	1/2		1/2		1/2		1/2	
3/4	3/4	4,173.11	3/4	3,818.06	3/4	3,433.68	3/4	3,049.11	3/4	2,663.48	3/4	2,277.85	3/4	1,892.22	3/4	1,506.58	3/4	1,120.95	3/4	735.32	3/4	356.04	3/4		3/4		3/4		3/4	
1	1	4,168.72	1	3,810.05	1	3,425.67	1	3,041.08	1	2,655.45	1	2,269.81	1	1,884.18	1	1,498.55	1	1,112.92	1	727.28	1	348.01	1		1		1		1	
1/4	1/4	4,163.53	1/4	3,802.05	1/4	3,417.66	1/4	3,033.04	1/4	2,647.41	1/4	2,261.78	1/4	1,876.15	1/4	1,490.52	1/4	1,104.88	1/4	719.25	1/4	339.97	1/4		1/4		1/4		1/4	
1/2	1/2	4,158.33	1/2	3,794.04	1/2	3,409.65	1/2	3,025.01	1/2	2,639.38	1/2	2,253.75	1/2	1,868.11	1/2	1,482.48	1/2	1,096.85	1/2	711.22	1/2	331.94	1/2		1/2		1/2		1/2	
3/4	3/4	4,153.14	3/4	3,786.03	3/4	3,401.65	3/4	3,016.98	3/4	2,631.34	3/4	2,245.71	3/4	1,860.08	3/4	1,474.45	3/4	1,088.82	3/4	703.18	3/4	323.90	3/4		3/4		3/4		3/4	
2	2	4,147.94	2	3,778.02	2	3,393.64	2	3,008.94	2	2,623.31	2	2,237.68	2	1,852.05	2	1,466.41	2	1,080.78	2	695.15	2	315.87	2		2		2		2	
1/4	1/4	4,141.94	1/4	3,770.01	1/4	3,385.63	1/4	3,000.91	1/4	2,615.28	1/4	2,229.64	1/4	1,844.01	1/4	1,458.38	1/4	1,072.75	1/4	687.11	1/4	307.83	1/4		1/4		1/4		1/4	
1/2	1/2	4,135.94	1/2	3,762.01	1/2	3,377.62	1/2	2,992.87	1/2	2,607.24	1/2	2,221.61	1/2	1,835.98	1/2	1,450.35	1/2	1,064.71	1/2	679.08	1/2	299.80	1/2		1/2		1/2		1/2	
3/4	3/4	4,129.94	3/4	3,754.00	3/4	3,369.61	3/4	2,984.84	3/4	2,599.21	3/4	2,213.58	3/4	1,827.94	3/4	1,442.31	3/4	1,056.68	3/4	671.05	3/4	291.76	3/4		3/4		3/4		3/4	
3	3	4,123.95	3	3,745.99	3	3,361.61	3	2,976.81	3	2,591.17	3	2,205.54	3	1,819.91	3	1,434.28	3	1,048.65	3	663.01	3	283.73	3		3		3		3	
1/4	1/4	4,117.14	1/4	3,737.98	1/4	3,353.60	1/4	2,968.77	1/4	2,583.14	1/4	2,197.51	1/4	1,811.88	1/4	1,426.24	1/4	1,040.61	1/4	654.98	1/4	275.69	1/4		1/4		1/4		1/4	
1/2	1/2	4,110.34	1/2	3,729.97	1/2	3,345.59	1/2	2,960.74	1/2	2,575.11	1/2	2,189.47	1/2	1,803.84	1/2	1,418.21	1/2	1,032.58	1/2	646.94	1/2	267.66	1/2		1/2		1/2		1/2	
3/4	3/4	4,103.54	3/4	3,721.97	3/4	3,337.58	3/4	2,952.70	3/4	2,567.07	3/4	2,181.44	3/4	1,795.81	3/4	1,410.18	3/4	1,024.54	3/4	638.91	3/4	259.62	3/4		3/4		3/4		3/4	
4	4	4,096.73	4	3,713.96	4	3,329.57	4	2,944.67	4	2,559.04	4	2,173.41	4	1,787.77	4	1,402.14	4	1,016.51	4	630.88	4	251.59	4		4		4		4	
1/4	1/4	4,089.13	1/4	3,705.95	1/4	3,321.57	1/4	2,936.64	1/4	2,551.00	1/4	2,165.37	1/4	1,779.74	1/4	1,394.11	1/4	1,008.48	1/4	622.84	1/4	243.55	1/4		1/4		1/4		1/4	
1/2	1/2	4,081.52	1/2	3,697.94	1/2	3,313.56	1/2	2,928.60	1/2	2,542.97	1/2	2,157.34	1/2	1,771.71	1/2	1,386.07	1/2	1,000.44	1/2	614.81	1/2	235.52	1/2		1/2		1/2		1/2	
3/4	3/4	4,073.92	3/4	3,689.93	3/4	3,305.55	3/4	2,920.57	3/4	2,534.94	3/4	2,149.30	3/4	1,763.67	3/4	1,378.04	3/4	992.41	3/4	606.77	3/4	227.48	3/4		3/4		3/4		3/4	
5	5	4,066.31	5	3,681.93	5	3,297.54	5	2,912.53	5	2,526.90	5	2,141.27	5	1,755.64	5	1,370.01	5	984.37	5	598.74	5	219.45	5		5		5		5	
1/4	1/4	4,058.30	1/4	3,673.92	1/4	3,289.53	1/4	2,904.50	1/4	2,518.87	1/4	2,133.24	1/4	1,747.60	1/4	1,361.97	1/4	976.34	1/4	590.71	1/4	211.41	1/4		1/4		1/4		1/4	
1/2	1/2	4,050.29	1/2	3,665.91	1/2	3,281.53	1/2	2,896.47	1/2	2,510.83	1/2	2,125.20	1/2	1,739.57	1/2	1,353.94	1/2	968.30	1/2	582.67	1/2	203.38	1/2		1/2		1/2		1/2	
3/4	3/4	4,042.29	3/4	3,657.90	3/4	3,273.52	3/4	2,888.43	3/4	2,502.80	3/4	2,117.17	3/4	1,731.54	3/4	1,345.90	3/4	960.27	3/4	574.64	3/4	195.34	3/4		3/4		3/4		3/4	
6	6	4,034.28	6	3,649.89	6	3,265.51	6	2,880.40	6	2,494.77	6	2,109.13	6	1,723.50	6	1,337.87	6	952.24	6	566.60	6	187.31	6		6		6		6	
1/4	1/4	4,026.27	1/4	3,641.89	1/4	3,257.50	1/4	2,872.36	1/4	2,486.73	1/4	2,101.10	1/4	1,715.47	1/4	1,329.84	1/4	944.20	1/4	559.37	1/4	179.27	1/4		1/4		1/4		1/4	
1/2	1/2	4,018.26	1/2	3,633.88	1/2	3,249.49	1/2	2,864.33	1/2	2,478.70	1/2	2,093.07	1/2	1,707.43	1/2	1,321.80	1/2	936.17	1/2	552.13	1/2	171.24	1/2		1/2		1/2		1/2	
3/4	3/4	4,010.25	3/4	3,625.87	3/4	3,241.49	3/4	2,856.30	3/4	2,470.66	3/4	2,085.03	3/4	1,699.40	3/4	1,313.77	3/4	928.13	3/4	544.89	3/4	163.20	3/4		3/4		3/4		3/4	
7	4,225.93	7	4,002.25	7	3,617.86	7	3,233.48	7	2,848.26	7	2,462.63	7	2,077.00	7	1,691.37	7	1,305.73	7	920.10	7	537.66	7	155.17	7		7		7		7
1/4	4,225.56	1/4	3,994.24	1/4	3,609.85	1/4	3,225.47	1/4	2,840.23	1/4	2,454.60	1/4	2,068.96	1/4	1,683.33	1/4	1,297.70	1/4	912.07	1/4	530.42	1/4	147.13	1/4		1/4		1/4		1/4
1/2	4,225.18	1/2	3,986.23	1/2	3,601.85	1/2	3,217.46	1/2	2,832.19	1/2	2,446.56	1/2	2,060.93	1/2	1,675.30	1/2	1,289.67	1/2	904.03	1/2	523.18	1/2	139.10	1/2		1/2		1/2		1/2
3/4	4,224.81	3/4	3,978.22	3/4	3,593.84	3/4	3,209.45	3/4	2,824.16	3/4	2,438.53	3/4	2,052.90	3/4	1,667.26	3/4	1,281.63	3/4	896.00	3/4	515.95	3/4	131.06	3/4		3/4		3/4		3/4
8	4,224.43	8	3,970.21	8	3,585.83	8	3,201.45	8	2,816.13	8	2,430.49	8	2,044.86	8	1,659.23	8	1,273.60	8	887.96	8	508.71	8	123.03	8		8		8		8
1/4	4,223.26	1/4	3,962.21	1/4	3,577.82	1/4	3,193.44	1/4	2,808.09	1/4	2,422.46	1/4	2,036.83	1/4	1,651.20	1/4	1,265.56	1/4	879.93	1/4	500.67	1/4	115.79	1/4		1/4		1/4		1/4
1/2	4,222.08	1/2	3,954.20	1/2	3,569.81	1/2	3,185.43	1/2	2,800.06	1/2	2,414.43	1/2	2,028.79	1/2	1,643.16	1/2	1,257.53	1/2	871.90	1/2	492.64	1/2	108.55	1/2		1/2		1/2		1/2
3/4	4,220.90	3/4	3,946.19	3/4	3,561.81	3/4	3,177.42	3/4	2,792.02	3/4	2,406.39	3/4	2,020.76	3/4	1,635.13	3/4	1,249.50	3/4	863.86	3/4	484.60	3/4	101.32	3/4		3/4		3/4		3/4
9	4,219.72	9	3,938.18	9	3,553.80	9	3,169.41	9	2,783.99	9	2,398.36	9	2,012.73	9	1,627.09	9	1,241.46	9	855.83	9	476.57	9	94.08	9		9		9		9
1/4	4,217.74	1/4	3,930.17	1/4	3,545.79	1/4	3,161.41	1/4	2,775.96	1/4	2,390.32	1/4	2,004.69	1/4	1,619.06	1/4	1,233.43	1/4	847.79	1/4	468.53	1/4	86.84	1/4		1/4		1/4		1/4
1/2	4,215.76	1/2	3,922.17	1/2	3,537.78	1/2	3,153.40	1/2	2,767.92	1/2	2,382.29	1/2	1,996.66	1/2	1,611.03	1/2	1,225.39	1/2	839.76	1/2	460.50	1/2	79.61	1/2		1/2		1/2		1/2
3/4	4,213.78	3/4	3,914.16	3/4	3,529.77	3/4	3,145.39	3/4	2,759.89	3/4	2,374.26	3/4	1,988.62	3/4	1,602.99	3/4	1,217.36	3/4	831.73	3/4	452.46	3/4	72.37	3/4		3/4		3/4		3/4
10	4,211.80	10	3,906.15	10	3,521.77	10	3,137.38	10	2,751.85	10	2,366.22	10	1,980.59	10	1,594.96	10	1,209.33	10	823.69	10	444.43	10	65.13	10		10		10		10
1/4	4,209.01	1/4	3,898.14	1/4	3,513.76	1/4	3,129.37	1/4	2,743.82	1/4	2,358.19	1/4	1,972.56	1/4	1,586.92	1/4	1,201.29	1/4	815.66	1/4	436.39	1/4	58.10	1/4		1				



BARGE "MM 77" MAGNOLIA MARINE

OUTAGE TABLE

3 STAR

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

HULL NO. 4506

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	4,181.90	0	3,834.08	0	3,449.69	0	3,065.18	0	2,679.55	0	2,293.92	0	1,908.28	0	1,522.65	0	1,137.02	0	751.39	0	372.11	0		0				
1/4		1/4	4,177.51	1/4	3,826.07	1/4	3,441.69	1/4	3,057.15	1/4	2,671.51	1/4	2,285.88	1/4	1,900.25	1/4	1,514.62	1/4	1,128.99	1/4	743.35	1/4	364.08	1/4		1/4				
1/2		1/2	4,173.11	1/2	3,818.06	1/2	3,433.68	1/2	3,049.11	1/2	2,663.48	1/2	2,277.85	1/2	1,892.22	1/2	1,506.58	1/2	1,120.95	1/2	735.32	1/2	356.04	1/2		1/2				
3/4		3/4	4,168.72	3/4	3,810.05	3/4	3,425.67	3/4	3,041.08	3/4	2,655.45	3/4	2,269.81	3/4	1,884.18	3/4	1,498.55	3/4	1,112.92	3/4	727.28	3/4	348.01	3/4		3/4				
1		1	4,163.53	1	3,802.05	1	3,417.66	1	3,033.04	1	2,647.41	1	2,261.78	1	1,876.15	1	1,490.52	1	1,104.88	1	719.25	1	339.97	1		1				
1/4		1/4	4,158.33	1/4	3,794.04	1/4	3,409.65	1/4	3,025.01	1/4	2,639.38	1/4	2,253.75	1/4	1,868.11	1/4	1,482.48	1/4	1,096.85	1/4	711.22	1/4	331.94	1/4		1/4				
1/2		1/2	4,153.14	1/2	3,786.03	1/2	3,401.65	1/2	3,016.98	1/2	2,631.34	1/2	2,245.71	1/2	1,860.08	1/2	1,474.45	1/2	1,088.82	1/2	703.18	1/2	323.90	1/2		1/2				
3/4		3/4	4,147.94	3/4	3,778.02	3/4	3,393.64	3/4	3,008.94	3/4	2,623.31	3/4	2,237.68	3/4	1,852.05	3/4	1,466.41	3/4	1,080.78	3/4	695.15	3/4	315.87	3/4		3/4				
2		2	4,141.94	2	3,770.01	2	3,385.63	2	3,000.91	2	2,615.28	2	2,229.64	2	1,844.01	2	1,458.38	2	1,072.75	2	687.11	2	307.83	2		2				
1/4		1/4	4,135.94	1/4	3,762.01	1/4	3,377.62	1/4	2,992.87	1/4	2,607.24	1/4	2,221.61	1/4	1,835.98	1/4	1,450.35	1/4	1,064.71	1/4	679.08	1/4	299.80	1/4		1/4				
1/2		1/2	4,129.94	1/2	3,754.00	1/2	3,369.61	1/2	2,984.84	1/2	2,599.21	1/2	2,213.58	1/2	1,827.94	1/2	1,442.31	1/2	1,056.68	1/2	671.05	1/2	291.76	1/2		1/2				
3/4		3/4	4,123.95	3/4	3,745.99	3/4	3,361.61	3/4	2,976.81	3/4	2,591.17	3/4	2,205.54	3/4	1,819.91	3/4	1,434.28	3/4	1,048.65	3/4	663.01	3/4	283.73	3/4		3/4				
3		3	4,117.14	3	3,737.98	3	3,353.60	3	2,968.77	3	2,583.14	3	2,197.51	3	1,811.88	3	1,426.24	3	1,040.61	3	654.98	3	275.69	3		3				
1/4		1/4	4,110.34	1/4	3,729.97	1/4	3,345.59	1/4	2,960.74	1/4	2,575.11	1/4	2,189.47	1/4	1,803.84	1/4	1,418.21	1/4	1,032.58	1/4	646.94	1/4	267.66	1/4		1/4				
1/2		1/2	4,103.54	1/2	3,721.97	1/2	3,337.58	1/2	2,952.70	1/2	2,567.07	1/2	2,181.44	1/2	1,795.81	1/2	1,410.18	1/2	1,024.54	1/2	638.91	1/2	259.62	1/2		1/2				
3/4		3/4	4,096.73	3/4	3,713.96	3/4	3,329.57	3/4	2,944.67	3/4	2,559.04	3/4	2,173.41	3/4	1,787.77	3/4	1,402.14	3/4	1,016.51	3/4	630.88	3/4	251.59	3/4		3/4				
4		4	4,089.13	4	3,705.95	4	3,321.57	4	2,936.64	4	2,551.00	4	2,165.37	4	1,779.74	4	1,394.11	4	1,008.48	4	622.84	4	243.55	4		4				
1/4		1/4	4,081.52	1/4	3,697.94	1/4	3,313.56	1/4	2,928.60	1/4	2,542.97	1/4	2,157.34	1/4	1,771.71	1/4	1,386.07	1/4	1,000.44	1/4	614.81	1/4	235.52	1/4		1/4				
1/2		1/2	4,073.92	1/2	3,689.93	1/2	3,305.55	1/2	2,920.57	1/2	2,534.94	1/2	2,149.30	1/2	1,763.67	1/2	1,378.04	1/2	992.41	1/2	606.77	1/2	227.48	1/2		1/2				
3/4		3/4	4,066.31	3/4	3,681.93	3/4	3,297.54	3/4	2,912.53	3/4	2,526.90	3/4	2,141.27	3/4	1,755.64	3/4	1,370.01	3/4	984.37	3/4	598.74	3/4	219.45	3/4		3/4				
5		5	4,058.30	5	3,673.92	5	3,289.53	5	2,904.50	5	2,518.87	5	2,133.24	5	1,747.60	5	1,361.97	5	976.34	5	590.71	5	211.41	5		5				
1/4		1/4	4,050.29	1/4	3,665.91	1/4	3,281.53	1/4	2,896.47	1/4	2,510.83	1/4	2,125.20	1/4	1,739.57	1/4	1,353.94	1/4	968.30	1/4	582.67	1/4	203.38	1/4		1/4				
1/2		1/2	4,042.29	1/2	3,657.90	1/2	3,273.52	1/2	2,888.43	1/2	2,502.80	1/2	2,117.17	1/2	1,731.54	1/2	1,345.90	1/2	960.27	1/2	574.64	1/2	195.34	1/2		1/2				
3/4		3/4	4,034.28	3/4	3,649.89	3/4	3,265.51	3/4	2,880.40	3/4	2,494.77	3/4	2,109.13	3/4	1,723.50	3/4	1,337.87	3/4	952.24	3/4	566.60	3/4	187.31	3/4		3/4				
6		6	4,026.27	6	3,641.89	6	3,257.50	6	2,872.36	6	2,486.73	6	2,101.10	6	1,715.47	6	1,329.84	6	944.20	6	559.37	6	179.27	6		6				
1/4		1/4	4,018.26	1/4	3,633.88	1/4	3,249.49	1/4	2,864.33	1/4	2,478.70	1/4	2,093.07	1/4	1,707.43	1/4	1,321.80	1/4	936.17	1/4	552.13	1/4	171.24	1/4		1/4				
1/2		1/2	4,010.25	1/2	3,625.87	1/2	3,241.49	1/2	2,856.30	1/2	2,470.66	1/2	2,085.03	1/2	1,699.40	1/2	1,313.77	1/2	928.13	1/2	544.89	1/2	163.20	1/2		1/2				
3/4		3/4	4,225.93	3/4	4,002.25	3/4	3,617.86	3/4	3,233.48	3/4	2,848.26	3/4	2,462.63	3/4	2,077.00	3/4	1,691.37	3/4	920.10	3/4	537.66	3/4	155.17	3/4		3/4				
7		7	4,225.56	7	3,994.24	7	3,609.85	7	3,225.47	7	2,840.23	7	2,454.60	7	2,068.96	7	1,683.33	7	1,297.70	7	912.07	7	530.42	7	147.13	7		7		
1/4		1/4	4,225.18	1/4	3,986.23	1/4	3,601.85	1/4	3,217.46	1/4	2,832.19	1/4	2,446.56	1/4	2,060.93	1/4	1,675.30	1/4	1,289.67	1/4	904.03	1/4	523.18	1/4	139.10	1/4		1/4		
1/2		1/2	4,224.81	1/2	3,978.22	1/2	3,593.84	1/2	3,209.45	1/2	2,824.16	1/2	2,438.53	1/2	2,052.90	1/2	1,667.26	1/2	1,281.63	1/2	896.00	1/2	515.95	1/2	131.06	1/2		1/2		
3/4		3/4	4,224.43	3/4	3,970.21	3/4	3,585.83	3/4	3,201.45	3/4	2,816.13	3/4	2,430.49	3/4	2,044.86	3/4	1,659.23	3/4	1,273.60	3/4	887.96	3/4	508.71	3/4	123.03	3/4		3/4		
8		8	4,223.26	8	3,962.21	8	3,577.82	8	3,193.44	8	2,808.09	8	2,422.46	8	2,036.83	8	1,651.20	8	1,265.56	8	879.93	8	500.67	8	115.79	8		8		
1/4		1/4	4,222.08	1/4	3,954.20	1/4	3,569.81	1/4	3,185.43	1/4	2,800.06	1/4	2,414.43	1/4	2,028.79	1/4	1,643.16	1/4	1,257.53	1/4	871.90	1/4	492.64	1/4	108.55	1/4		1/4		
1/2		1/2	4,220.90	1/2	3,946.19	1/2	3,561.81	1/2	3,177.42	1/2	2,792.02	1/2	2,406.39	1/2	2,020.76	1/2	1,635.13	1/2	1,249.50	1/2	863.86	1/2	484.60	1/2	101.32	1/2		1/2		
3/4		3/4	4,219.72	3/4	3,938.18	3/4	3,553.80	3/4	3,169.41	3/4	2,783.99	3/4	2,398.36	3/4	2,012.73	3/4	1,627.09	3/4	1,241.46	3/4	855.83	3/4	476.57	3/4	94.08	3/4		3/4		
9		9	4,217.74	9	3,930.17	9	3,545.79	9	3,161.41	9	2,775.96	9	2,390.32	9	2,004.69	9	1,619.06	9	1,233.43	9	847.79	9	468.53	9	86.84	9		9		
1/4		1/4	4,215.76	1/4	3,922.17	1/4	3,537.78	1/4	3,153.40	1/4	2,767.92	1/4	2,382.29	1/4	1,996.66	1/4	1,611.03	1/4	1,225.39	1/4	839.76	1/4	460.50	1/4	79.61	1/4		1/4		
1/2		1/2	4,213.78	1/2	3,914.16	1/2	3,529																							