



# BARGE "MM-90" MAGNOLIA MARINE

## INNAGE TABLE

# 1 PORT OR STAR

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

HULL NO. 4464

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	* 21.08	0	335.25	0	690.47	0	1,057.62	0	1,424.77	0	1,791.92	0	2,159.07	0	2,526.22	0	2,893.38	0	3,260.53	0	3,627.68	0	3,946.10	0		0				
1/4	25.33	1/4	342.34	1/4	698.11	1/4	1,065.27	1/4	1,432.42	1/4	1,799.57	1/4	2,166.72	1/4	2,533.87	1/4	2,901.03	1/4	3,268.18	1/4	3,635.33	1/4	3,950.11	1/4		1/4				
1/2	29.57	1/2	349.42	1/2	705.76	1/2	1,072.92	1/2	1,440.07	1/2	1,807.22	1/2	2,174.37	1/2	2,541.52	1/2	2,908.67	1/2	3,275.83	1/2	3,642.98	1/2	3,952.66	1/2		1/2				
3/4	33.82	3/4	356.51	3/4	713.41	3/4	1,080.56	3/4	1,447.72	3/4	1,814.87	3/4	2,182.02	3/4	2,549.17	3/4	2,916.32	3/4	3,283.48	3/4	3,650.63	3/4	3,955.22	3/4		3/4				
1	39.55	1	363.59	1	721.06	1	1,088.21	1	1,455.36	1	1,822.52	1	2,189.67	1	2,556.82	1	2,923.97	1	3,291.12	1	3,658.28	1	3,957.77	1		1				
1/4	45.29	1/4	370.68	1/4	728.71	1/4	1,095.86	1/4	1,463.01	1/4	1,830.17	1/4	2,197.32	1/4	2,564.47	1/4	2,931.62	1/4	3,298.77	1/4	3,665.93	1/4	3,960.32	1/4		1/4				
1/2	51.03	1/2	377.76	1/2	736.36	1/2	1,103.51	1/2	1,470.66	1/2	1,837.81	1/2	2,204.97	1/2	2,572.12	1/2	2,939.27	1/2	3,306.42	1/2	3,673.57	1/2	3,962.87	1/2		1/2				
3/4	56.77	3/4	384.85	3/4	744.01	3/4	1,111.16	3/4	1,478.31	3/4	1,845.46	3/4	2,212.62	3/4	2,579.77	3/4	2,946.92	3/4	3,314.07	3/4	3,681.22	3/4	3,965.42	3/4		3/4				
2	63.25	2	391.93	2	751.66	2	1,118.81	2	1,485.96	2	1,853.11	2	2,220.26	2	2,587.42	2	2,954.57	2	3,321.72	2	3,688.87	2	3,967.97	2		2				
1/4	69.74	1/4	399.02	1/4	759.31	1/4	1,126.46	1/4	1,493.61	1/4	1,860.76	1/4	2,227.91	1/4	2,595.07	1/4	2,962.22	1/4	3,329.37	1/4	3,696.52	1/4	3,970.52	1/4		1/4				
1/2	76.22	1/2	406.10	1/2	766.96	1/2	1,134.11	1/2	1,501.26	1/2	1,868.41	1/2	2,235.56	1/2	2,602.71	1/2	2,969.87	1/2	3,337.02	1/2	3,704.17	1/2	3,971.61	1/2		1/2				
3/4	82.71	3/4	413.19	3/4	774.60	3/4	1,141.76	3/4	1,508.91	3/4	1,876.06	3/4	2,243.21	3/4	2,610.36	3/4	2,977.52	3/4	3,344.67	3/4	3,711.82	3/4	3,972.71	3/4		3/4				
3	89.19	3	420.27	3	782.25	3	1,149.41	3	1,516.56	3	1,883.71	3	2,250.86	3	2,618.01	3	2,985.16	3	3,352.32	3	3,719.47	3	3,973.80	3		3				
1/4	95.68	1/4	427.36	1/4	789.90	1/4	1,157.05	1/4	1,524.21	1/4	1,891.36	1/4	2,258.51	1/4	2,625.66	1/4	2,992.81	1/4	3,359.97	1/4	3,727.12	1/4	3,974.89	1/4		1/4				
1/2	102.16	1/2	434.44	1/2	797.55	1/2	1,164.70	1/2	1,531.85	1/2	1,899.01	1/2	2,266.16	1/2	2,633.31	1/2	3,000.46	1/2	3,367.61	1/2	3,734.77	1/2	3,975.99	1/2		1/2				
3/4	108.65	3/4	441.53	3/4	805.20	3/4	1,172.35	3/4	1,539.50	3/4	1,906.66	3/4	2,273.81	3/4	2,640.96	3/4	3,008.11	3/4	3,375.26	3/4	3,742.42	3/4	3,977.08	3/4		3/4				
4	115.43	4	449.03	4	812.85	4	1,180.00	4	1,547.15	4	1,914.30	4	2,281.46	4	2,648.61	4	3,015.76	4	3,382.91	4	3,750.06	4	3,978.17	4		4				
1/4	122.22	1/4	456.54	1/4	820.50	1/4	1,187.65	1/4	1,554.80	1/4	1,921.95	1/4	2,289.11	1/4	2,656.26	1/4	3,023.41	1/4	3,390.56	1/4	3,757.71	1/4	3,979.27	1/4		1/4				
1/2	129.00	1/2	464.04	1/2	828.15	1/2	1,195.30	1/2	1,562.45	1/2	1,929.60	1/2	2,296.75	1/2	2,663.91	1/2	3,031.06	1/2	3,398.21	1/2	3,765.36	1/2	3,979.45	1/2		1/2				
3/4	135.79	3/4	471.54	3/4	835.80	3/4	1,202.95	3/4	1,570.10	3/4	1,937.25	3/4	2,304.40	3/4	2,671.56	3/4	3,038.71	3/4	3,405.86	3/4	3,773.01	3/4	3,979.63	3/4		3/4				
5	142.57	5	479.05	5	843.45	5	1,210.60	5	1,577.75	5	1,944.90	5	2,312.05	5	2,679.20	5	3,046.36	5	3,413.51	5	3,780.66	5		5		5				
1/4	149.36	1/4	486.55	1/4	851.09	1/4	1,218.25	1/4	1,585.40	1/4	1,952.55	1/4	2,319.70	1/4	2,686.85	1/4	3,054.01	1/4	3,421.16	1/4	3,788.31	1/4		1/4		1/4				
1/2	156.14	1/2	494.06	1/2	858.74	1/2	1,225.90	1/2	1,593.05	1/2	1,960.20	1/2	2,327.35	1/2	2,694.50	1/2	3,061.65	1/2	3,428.81	1/2	3,795.96	1/2		1/2		1/2				
3/4	162.93	3/4	501.56	3/4	866.39	3/4	1,233.54	3/4	1,600.70	3/4	1,967.85	3/4	2,335.00	3/4	2,702.15	3/4	3,069.30	3/4	3,436.46	3/4	3,803.61	3/4		3/4		3/4				
6	169.71	6	509.06	6	874.04	6	1,241.19	6	1,608.34	6	1,975.50	6	2,342.65	6	2,709.80	6	3,076.95	6	3,444.10	6	3,811.26	6		6		6				
1/4	176.50	1/4	516.57	1/4	881.69	1/4	1,248.84	1/4	1,615.99	1/4	1,983.15	1/4	2,350.30	1/4	2,717.45	1/4	3,084.60	1/4	3,451.75	1/4	3,818.91	1/4		1/4		1/4				
1/2	183.28	1/2	524.07	1/2	889.34	1/2	1,256.49	1/2	1,623.64	1/2	1,990.79	1/2	2,357.95	1/2	2,725.10	1/2	3,092.25	1/2	3,458.40	1/2	3,825.83	1/2		1/2		1/2				
3/4	190.07	3/4	531.58	3/4	896.99	3/4	1,264.14	3/4	1,631.29	3/4	1,998.44	3/4	2,365.60	3/4	2,732.75	3/4	3,099.90	3/4	3,467.05	3/4	3,832.76	3/4		3/4		3/4				
7	196.85	7	539.08	7	904.64	7	1,271.79	7	1,638.94	7	2,006.09	7	2,373.24	7	2,740.40	7	3,107.55	7	3,474.70	7	3,839.68	7		7		7				
1/4	203.64	1/4	546.58	1/4	912.29	1/4	1,279.44	1/4	1,646.59	1/4	2,013.74	1/4	2,380.89	1/4	2,748.05	1/4	3,115.20	1/4	3,482.35	1/4	3,846.61	1/4		1/4		1/4				
1/2	210.42	1/2	554.09	1/2	919.94	1/2	1,287.09	1/2	1,654.24	1/2	2,021.39	1/2	2,388.54	1/2	2,755.69	1/2	3,122.85	1/2	3,490.00	1/2	3,853.53	1/2		1/2		1/2				
3/4	217.21	3/4	561.59	3/4	927.58	3/4	1,294.74	3/4	1,661.89	3/4	2,029.04	3/4	2,396.19	3/4	2,763.34	3/4	3,130.50	3/4	3,497.65	3/4	3,860.46	3/4		3/4		3/4				
8	223.99	8	569.10	8	935.23	8	1,302.39	8	1,669.54	8	2,036.69	8	2,403.84	8	2,770.99	8	3,138.14	8	3,503.30	8	3,867.38	8		8		8				
1/4	230.78	1/4	576.60	1/4	942.88	1/4	1,310.03	1/4	1,677.19	1/4	2,044.34	1/4	2,411.49	1/4	2,778.64	1/4	3,145.79	1/4	3,512.95	1/4	3,874.31	1/4		1/4		1/4				
1/2	237.56	1/2	584.10	1/2	950.53	1/2	1,317.68	1/2	1,684.83	1/2	2,051.99	1/2	2,419.14	1/2	2,786.29	1/2	3,153.44	1/2	3,520.59	1/2	3,879.77	1/2		1/2		1/2				
3/4	244.35	3/4	591.61	3/4	958.18	3/4	1,325.33	3/4	1,692.48	3/4	2,059.64	3/4	2,426.79	3/4	2,793.94	3/4	3,161.09	3/4	3,528.24	3/4	3,885.24	3/4		3/4		3/4				
9	251.13	9	599.11	9	965.83	9	1,332.98	9	1,700.13	9	2,067.28	9	2,434.44	9	2,801.59	9	3,168.74	9	3,535.89	9	3,890.71	9		9		9				
1/4	257.92	1/4	606.62	1/4	973.48	1/4	1,340.63	1/4	1,707.78	1/4	2,074.93	1/4	2,442.09	1/4	2,809.24	1/4	3,176.39	1/4	3,543.54	1/4	3,896.17	1/4		1/4		1/4				
1/2	264.70	1/2	614.12	1/2																										



# BARGE "MM-90" MAGNOLIA MARINE

## INNAGE TABLE

# 2 PORT OR STAR

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

HULL NO. 4464

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	* 19.12	0	356.34	0	710.68	0	1,065.01	0	1,419.35	0	1,773.69	0	2,128.02	0	2,482.36	0	2,836.69	0	3,191.03	0	3,545.37	0	3,852.59	0		0		0	
1/4	23.62	1/4	363.72	1/4	718.06	1/4	1,072.40	1/4	1,426.73	1/4	1,781.07	1/4	2,135.40	1/4	2,489.74	1/4	2,844.08	1/4	3,198.41	1/4	3,552.75	1/4	3,856.46	1/4	1/4	1/4	1/4	1/4	1/4
1/2	28.11	1/2	371.11	1/2	725.44	1/2	1,079.78	1/2	1,434.11	1/2	1,788.45	1/2	2,142.79	1/2	2,497.12	1/2	2,851.46	1/2	3,205.79	1/2	3,560.13	1/2	3,858.92	1/2	1/2	1/2	1/2	1/2	1/2
3/4	32.60	3/4	378.49	3/4	732.82	3/4	1,087.16	3/4	1,441.50	3/4	1,795.83	3/4	2,150.17	3/4	2,504.50	3/4	2,858.84	3/4	3,213.18	3/4	3,567.51	3/4	3,861.38	3/4	3/4	3/4	3/4	3/4	3/4
1	38.94	1	385.87	1	740.21	1	1,094.54	1	1,448.88	1	1,803.21	1	2,157.55	1	2,511.89	1	2,866.22	1	3,220.56	1	3,574.89	1	3,863.84	1	1	1	1	1	1
1/4	45.28	1/4	393.25	1/4	747.59	1/4	1,101.92	1/4	1,456.26	1/4	1,810.60	1/4	2,164.93	1/4	2,519.27	1/4	2,873.60	1/4	3,227.94	1/4	3,582.28	1/4	3,866.30	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51.62	1/2	400.63	1/2	754.97	1/2	1,109.31	1/2	1,463.64	1/2	1,817.98	1/2	2,172.31	1/2	2,526.65	1/2	2,880.99	1/2	3,235.32	1/2	3,589.66	1/2	3,868.77	1/2	1/2	1/2	1/2	1/2	1/2
3/4	57.96	3/4	408.02	3/4	762.35	3/4	1,116.69	3/4	1,471.02	3/4	1,825.36	3/4	2,179.70	3/4	2,534.03	3/4	2,888.37	3/4	3,242.70	3/4	3,597.04	3/4	3,871.23	3/4	3/4	3/4	3/4	3/4	3/4
2	65.23	2	415.40	2	769.73	2	1,124.07	2	1,478.41	2	1,832.74	2	2,187.08	2	2,541.41	2	2,895.75	2	3,250.09	2	3,604.42	2	3,873.69	2	2	2	2	2	2
1/4	72.49	1/4	422.78	1/4	777.12	1/4	1,131.45	1/4	1,485.79	1/4	1,840.12	1/4	2,194.46	1/4	2,548.80	1/4	2,903.13	1/4	3,257.47	1/4	3,611.80	1/4	3,876.15	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79.75	1/2	430.16	1/2	784.50	1/2	1,138.83	1/2	1,493.17	1/2	1,847.51	1/2	2,201.84	1/2	2,556.18	1/2	2,910.51	1/2	3,264.85	1/2	3,619.19	1/2	3,877.20	1/2	1/2	1/2	1/2	1/2	1/2
3/4	87.02	3/4	437.54	3/4	791.88	3/4	1,146.22	3/4	1,500.55	3/4	1,854.89	3/4	2,209.22	3/4	2,563.56	3/4	2,917.90	3/4	3,272.23	3/4	3,626.57	3/4	3,878.26	3/4	3/4	3/4	3/4	3/4	3/4
3	94.28	3	444.93	3	799.26	3	1,153.60	3	1,507.93	3	1,862.27	3	2,216.61	3	2,570.94	3	2,925.28	3	3,279.61	3	3,633.95	3	3,879.31	3	3	3	3	3	3
1/4	101.54	1/4	452.31	1/4	806.64	1/4	1,160.98	1/4	1,515.32	1/4	1,869.65	1/4	2,223.99	1/4	2,578.32	1/4	2,932.66	1/4	3,287.00	1/4	3,641.33	1/4	3,880.36	1/4	1/4	1/4	1/4	1/4	1/4
1/2	108.81	1/2	459.69	1/2	814.03	1/2	1,168.36	1/2	1,522.70	1/2	1,877.03	1/2	2,231.37	1/2	2,585.71	1/2	2,940.04	1/2	3,294.38	1/2	3,648.71	1/2	3,881.42	1/2	1/2	1/2	1/2	1/2	1/2
3/4	116.07	3/4	467.07	3/4	821.41	3/4	1,175.74	3/4	1,530.08	3/4	1,884.42	3/4	2,238.75	3/4	2,593.09	3/4	2,947.42	3/4	3,301.76	3/4	3,656.10	3/4	3,882.47	3/4	3/4	3/4	3/4	3/4	3/4
4	123.33	4	474.45	4	828.79	4	1,183.13	4	1,537.46	4	1,891.80	4	2,246.13	4	2,600.47	4	2,954.81	4	3,309.14	4	3,663.48	4	3,883.53	4	4	4	4	4	4
1/4	130.59	1/4	481.84	1/4	836.17	1/4	1,190.51	1/4	1,544.84	1/4	1,899.18	1/4	2,253.52	1/4	2,607.85	1/4	2,962.19	1/4	3,316.52	1/4	3,670.86	1/4	3,884.58	1/4	1/4	1/4	1/4	1/4	1/4
1/2	137.86	1/2	489.22	1/2	843.55	1/2	1,197.89	1/2	1,552.23	1/2	1,906.56	1/2	2,260.90	1/2	2,615.23	1/2	2,969.57	1/2	3,323.91	1/2	3,678.24	1/2	3,884.76	1/2	1/2	1/2	1/2	1/2	1/2
3/4	145.12	3/4	496.60	3/4	850.94	3/4	1,205.27	3/4	1,559.61	3/4	1,913.94	3/4	2,268.28	3/4	2,622.62	3/4	2,976.95	3/4	3,331.29	3/4	3,685.62	3/4	3,884.93	3/4	3/4	3/4	3/4	3/4	3/4
5	152.38	5	503.98	5	858.32	5	1,212.65	5	1,566.99	5	1,921.33	5	2,275.66	5	2,630.00	5	2,984.33	5	3,338.67	5	3,693.01	5		5	5	5	5	5	5
1/4	159.65	1/4	511.36	1/4	865.70	1/4	1,220.04	1/4	1,574.37	1/4	1,928.71	1/4	2,283.04	1/4	2,637.38	1/4	2,991.72	1/4	3,346.05	1/4	3,700.39	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	166.91	1/2	518.75	1/2	873.08	1/2	1,227.42	1/2	1,581.75	1/2	1,936.09	1/2	2,290.43	1/2	2,644.76	1/2	2,999.10	1/2	3,353.43	1/2	3,707.77	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	174.17	3/4	526.13	3/4	880.46	3/4	1,234.80	3/4	1,589.14	3/4	1,943.47	3/4	2,297.81	3/4	2,652.14	3/4	3,006.48	3/4	3,360.82	3/4	3,715.15	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	181.44	6	533.51	6	887.85	6	1,242.18	6	1,596.52	6	1,950.85	6	2,305.19	6	2,659.53	6	3,013.86	6	3,368.20	6	3,722.53	6		6	6	6	6	6	6
1/4	188.70	1/4	540.89	1/4	895.23	1/4	1,249.56	1/4	1,603.90	1/4	1,958.24	1/4	2,312.57	1/4	2,666.91	1/4	3,021.24	1/4	3,375.58	1/4	3,729.92	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	195.96	1/2	548.27	1/2	902.61	1/2	1,256.95	1/2	1,611.28	1/2	1,965.62	1/2	2,319.95	1/2	2,674.29	1/2	3,028.63	1/2	3,382.96	1/2	3,736.60	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	203.22	3/4	555.66	3/4	909.99	3/4	1,264.33	3/4	1,618.66	3/4	1,973.00	3/4	2,327.34	3/4	2,681.67	3/4	3,036.01	3/4	3,390.34	3/4	3,743.27	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	210.49	7	563.04	7	917.37	7	1,271.71	7	1,626.05	7	1,980.38	7	2,334.72	7	2,689.05	7	3,043.39	7	3,397.73	7	3,749.95	7		7	7	7	7	7	7
1/4	217.75	1/4	570.42	1/4	924.76	1/4	1,279.09	1/4	1,633.43	1/4	1,987.76	1/4	2,342.10	1/4	2,696.44	1/4	3,050.77	1/4	3,405.11	1/4	3,756.63	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	225.01	1/2	577.80	1/2	932.14	1/2	1,286.47	1/2	1,640.81	1/2	1,995.15	1/2	2,349.48	1/2	2,703.82	1/2	3,058.15	1/2	3,412.49	1/2	3,763.31	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	232.28	3/4	585.18	3/4	939.52	3/4	1,293.86	3/4	1,648.19	3/4	2,002.53	3/4	2,356.86	3/4	2,711.20	3/4	3,065.54	3/4	3,419.87	3/4	3,769.99	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	239.54	8	592.57	8	946.90	8	1,301.24	8	1,655.57	8	2,009.91	8	2,364.25	8	2,718.58	8	3,072.92	8	3,427.25	8	3,776.67	8		8	8	8	8	8	8
1/4	246.80	1/4	599.95	1/4	954.28	1/4	1,308.62	1/4	1,662.96	1/4	2,017.29	1/4	2,371.63	1/4	2,725.96	1/4	3,080.30	1/4	3,434.64	1/4	3,783.35	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	254.07	1/2	607.33	1/2	961.67	1/2	1,316.00	1/2	1,670.34	1/2	2,024.67	1/2	2,379.01	1/2	2,733.35	1/2	3,087.68	1/2	3,442.02	1/2	3,788.62	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	261.33	3/4	614.71	3/4	969.05	3/4	1,323.38	3/4	1,677.72	3/4	2,032.06	3/4	2,386.39	3/4	2,740.73	3/4	3,095.06	3/4	3,449.40	3/4	3,793.89	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	268.59	9	622.09	9	976.43	9	1,330.77	9	1,685.10	9	2,039.44	9	2,393.77	9	2,748.11	9	3,102.45	9	3,456.78	9	3,799.16	9		9	9	9	9	9	9
1/4	275.85	1/4	629.48	1/4	983.81	1/4	1,338.15	1/4	1,692.48	1/4	2,046.82	1/4	2,401.16	1/4	2,755.49	1/4	3,109.83	1/4	3,464.16	1/4	3,804.44	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	283.12	1/2	636.86	1/2	991.19	1/2	1,345.53	1/2	1,699.87	1/2	2,054.20	1/2	2,408.54	1/2	2,762.87	1/2	3,117.21	1/2	3,471.55	1/2	3,809.71	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	290.38	3/4	644.																										



# BARGE "MM-90" MAGNOLIA MARINE

## INNAGE TABLE

# 3 PORT OR STAR

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

HULL NO. 4464

	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	*	19.72	0	367.64	0	733.02	0	1,098.39	0	1,463.77	0	1,829.14	0	2,194.52	0	2,559.90	0	2,925.27	0	3,290.65	0	3,656.02	0	3,972.90	0		0		0		0
1/4		24.35	1/4	375.25	1/4	740.63	1/4	1,106.00	1/4	1,471.38	1/4	1,836.76	1/4	2,202.13	1/4	2,567.51	1/4	2,932.88	1/4	3,298.26	1/4	3,663.64	1/4	3,976.89	1/4	1/4	1/4	1/4	1/4	1/4	
1/2		28.99	1/2	382.86	1/2	748.24	1/2	1,113.62	1/2	1,478.99	1/2	1,844.37	1/2	2,209.74	1/2	2,575.12	1/2	2,940.50	1/2	3,305.87	1/2	3,671.25	1/2	3,979.43	1/2	1/2	1/2	1/2	1/2	1/2	
3/4		33.63	3/4	390.48	3/4	755.85	3/4	1,121.23	3/4	1,486.60	3/4	1,851.98	3/4	2,217.36	3/4	2,582.73	3/4	2,948.11	3/4	3,313.48	3/4	3,678.86	3/4	3,981.97	3/4	3/4	3/4	3/4	3/4	3/4	
1		40.17	1	398.09	1	763.46	1	1,128.84	1	1,494.22	1	1,859.59	1	2,224.97	1	2,590.34	1	2,955.72	1	3,321.10	1	3,686.47	1	3,984.51	1	1	1	1	1	1	1
1/4		46.71	1/4	405.70	1/4	771.08	1/4	1,136.45	1/4	1,501.83	1/4	1,867.20	1/4	2,232.58	1/4	2,597.96	1/4	2,963.33	1/4	3,328.71	1/4	3,693.08	1/4	3,987.05	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2		53.25	1/2	413.31	1/2	778.69	1/2	1,144.06	1/2	1,509.44	1/2	1,874.82	1/2	2,240.19	1/2	2,605.57	1/2	2,970.94	1/2	3,336.32	1/2	3,701.70	1/2	3,989.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		59.80	3/4	420.92	3/4	786.30	3/4	1,151.68	3/4	1,517.05	3/4	1,882.43	3/4	2,247.80	3/4	2,613.18	3/4	2,978.56	3/4	3,343.93	3/4	3,709.31	3/4	3,992.13	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2		67.29	2	428.54	2	793.91	2	1,159.29	2	1,524.66	2	1,890.04	2	2,255.42	2	2,620.79	2	2,986.17	2	3,351.54	2	3,716.92	2	3,994.67	2	2	2	2	2	2	2
1/4		74.78	1/4	436.15	1/4	801.52	1/4	1,166.90	1/4	1,532.28	1/4	1,897.65	1/4	2,263.03	1/4	2,628.40	1/4	2,993.78	1/4	3,359.16	1/4	3,724.53	1/4	3,997.20	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2		82.28	1/2	443.76	1/2	809.14	1/2	1,174.51	1/2	1,539.89	1/2	1,905.26	1/2	2,270.64	1/2	2,636.02	1/2	3,001.39	1/2	3,366.77	1/2	3,732.14	1/2	3,998.29	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		89.77	3/4	451.37	3/4	816.75	3/4	1,182.12	3/4	1,547.50	3/4	1,912.88	3/4	2,278.25	3/4	2,643.63	3/4	3,009.00	3/4	3,374.38	3/4	3,739.76	3/4	3,999.38	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3		97.27	3	458.98	3	824.36	3	1,189.74	3	1,555.11	3	1,920.49	3	2,285.86	3	2,651.24	3	3,016.62	3	3,381.99	3	3,747.37	3	4,000.47	3	3	3	3	3	3	3
1/4		104.76	1/4	466.60	1/4	831.97	1/4	1,197.35	1/4	1,562.72	1/4	1,928.10	1/4	2,293.48	1/4	2,658.85	1/4	3,024.23	1/4	3,389.60	1/4	3,754.98	1/4	4,001.56	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2		112.25	1/2	474.21	1/2	839.58	1/2	1,204.96	1/2	1,570.34	1/2	1,935.71	1/2	2,301.09	1/2	2,666.46	1/2	3,031.84	1/2	3,397.22	1/2	3,762.59	1/2	4,002.64	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		119.75	3/4	481.82	3/4	847.20	3/4	1,212.57	3/4	1,577.95	3/4	1,943.32	3/4	2,308.70	3/4	2,674.08	3/4	3,039.45	3/4	3,404.83	3/4	3,770.20	3/4	4,003.73	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4		127.24	4	489.43	4	854.81	4	1,220.18	4	1,585.56	4	1,950.94	4	2,316.31	4	2,681.69	4	3,047.06	4	3,412.44	4	3,777.82	4	4,004.82	4	4	4	4	4	4	4
1/4		134.74	1/4	497.04	1/4	862.42	1/4	1,227.80	1/4	1,593.17	1/4	1,958.55	1/4	2,323.92	1/4	2,689.30	1/4	3,054.68	1/4	3,423.05	1/4	3,785.43	1/4	4,005.91	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2		142.23	1/2	504.66	1/2	870.03	1/2	1,235.41	1/2	1,600.78	1/2	1,966.16	1/2	2,331.54	1/2	2,696.91	1/2	3,062.29	1/2	3,427.66	1/2	3,793.04	1/2	4,006.09	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		149.72	3/4	512.27	3/4	877.64	3/4	1,243.02	3/4	1,608.40	3/4	1,973.77	3/4	2,339.15	3/4	2,704.52	3/4	3,069.90	3/4	3,435.28	3/4	3,800.65	3/4	4,006.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5		157.22	5	519.88	5	885.26	5	1,250.63	5	1,616.01	5	1,981.38	5	2,346.76	5	2,712.14	5	3,077.51	5	3,442.89	5	3,808.26	5		5	5	5	5	5	5	5
1/4		164.71	1/4	527.49	1/4	892.87	1/4	1,258.24	1/4	1,623.62	1/4	1,989.00	1/4	2,354.37	1/4	2,719.75	1/4	3,085.12	1/4	3,450.50	1/4	3,815.88	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2		172.21	1/2	535.10	1/2	900.48	1/2	1,265.86	1/2	1,631.23	1/2	1,996.61	1/2	2,361.98	1/2	2,727.36	1/2	3,092.74	1/2	3,458.11	1/2	3,823.49	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		179.70	3/4	542.72	3/4	908.09	3/4	1,273.47	3/4	1,638.84	3/4	2,004.22	3/4	2,369.60	3/4	2,734.97	3/4	3,100.35	3/4	3,465.72	3/4	3,831.10	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4
6		187.19	6	550.33	6	915.70	6	1,281.08	6	1,646.46	6	2,011.83	6	2,377.21	6	2,742.58	6	3,107.96	6	3,473.34	6	3,838.71	6		6	6	6	6	6	6	6
1/4		194.69	1/4	557.94	1/4	923.32	1/4	1,288.69	1/4	1,654.07	1/4	2,019.44	1/4	2,384.82	1/4	2,750.20	1/4	3,115.57	1/4	3,480.95	1/4	3,846.32	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2		202.18	1/2	565.55	1/2	930.93	1/2	1,296.30	1/2	1,661.68	1/2	2,027.06	1/2	2,392.43	1/2	2,757.81	1/2	3,123.18	1/2	3,488.56	1/2	3,853.22	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		209.68	3/4	573.16	3/4	938.54	3/4	1,303.92	3/4	1,669.29	3/4	2,034.67	3/4	2,400.04	3/4	2,765.42	3/4	3,130.80	3/4	3,496.17	3/4	3,860.11	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4
7		217.17	7	580.78	7	946.15	7	1,311.53	7	1,676.90	7	2,042.28	7	2,407.66	7	2,773.03	7	3,138.41	7	3,503.78	7	3,867.00	7		7	7	7	7	7	7	7
1/4		224.66	1/4	588.39	1/4	953.76	1/4	1,319.14	1/4	1,684.52	1/4	2,049.89	1/4	2,415.27	1/4	2,780.64	1/4	3,146.02	1/4	3,511.40	1/4	3,873.89	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2		232.16	1/2	596.00	1/2	961.38	1/2	1,326.75	1/2	1,692.13	1/2	2,057.50	1/2	2,422.88	1/2	2,788.26	1/2	3,153.63	1/2	3,519.01	1/2	3,880.78	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		239.65	3/4	603.61	3/4	968.99	3/4	1,334.36	3/4	1,699.74	3/4	2,065.12	3/4	2,430.49	3/4	2,795.87	3/4	3,161.24	3/4	3,526.62	3/4	3,887.67	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4
8		247.15	8	611.22	8	976.60	8	1,341.98	8	1,707.35	8	2,072.73	8	2,438.10	8	2,803.48	8	3,168.86	8	3,534.23	8	3,894.56	8		8	8	8	8	8	8	8
1/4		254.64	1/4	618.84	1/4	984.21	1/4	1,349.59	1/4	1,714.96	1/4	2,080.34	1/4	2,445.72	1/4	2,811.09	1/4	3,176.47	1/4	3,541.84	1/4	3,901.45	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2		262.13	1/2	626.45	1/2	991.82	1/2	1,357.20	1/2	1,722.58	1/2	2,087.95	1/2	2,453.33	1/2	2,818.70	1/2	3,184.08	1/2	3,549.46	1/2	3,906.89	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		269.63	3/4	634.06	3/4	999.44	3/4	1,364.81	3/4	1,730.19	3/4	2,095.56	3/4	2,460.94	3/4	2,826.32	3/4	3,191.69	3/4	3,557.07	3/4	3,912.33	3/4								



# BARGE "MM-90" MAGNOLIA MARINE

## OUTAGE TABLE

# 1 PORT

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

HULL NO. 4464

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	3,918.04	0	3,574.14	0	3,206.99	0	2,839.83	0	2,472.68	0	2,105.53	0	1,738.38	0	1,371.23	0	1,004.07	0	636.92	0	285.66	0		0				
1/4	1/4	3,912.58	1/4	3,566.49	1/4	3,199.34	1/4	2,832.19	1/4	2,465.03	1/4	2,097.88	1/4	1,730.73	1/4	1,363.58	1/4	996.43	1/4	629.27	1/4	278.57	1/4		1/4		1/4		1/4
1/2	1/2	3,907.11	1/2	3,558.84	1/2	3,191.69	1/2	2,824.54	1/2	2,457.38	1/2	2,090.23	1/2	1,723.08	1/2	1,355.93	1/2	988.78	1/2	621.62	1/2	271.49	1/2		1/2		1/2		1/2
3/4	3/4	3,901.64	3/4	3,551.19	3/4	3,184.04	3/4	2,816.89	3/4	2,449.74	3/4	2,082.58	3/4	1,715.43	3/4	1,348.28	3/4	981.13	3/4	614.12	3/4	264.70	3/4		3/4		3/4		3/4
1	1	3,896.17	1	3,543.54	1	3,176.39	1	2,809.24	1	2,442.09	1	2,074.93	1	1,707.78	1	1,340.63	1	973.48	1	606.62	1	257.92	1		1		1		1
1/4	1/4	3,890.71	1/4	3,535.89	1/4	3,168.74	1/4	2,801.59	1/4	2,434.44	1/4	2,067.29	1/4	1,700.13	1/4	1,332.98	1/4	965.83	1/4	599.11	1/4	251.13	1/4		1/4		1/4		1/4
1/2	1/2	3,885.24	1/2	3,528.24	1/2	3,161.09	1/2	2,793.94	1/2	2,426.79	1/2	2,059.64	1/2	1,692.48	1/2	1,325.33	1/2	958.18	1/2	591.61	1/2	244.35	1/2		1/2		1/2		1/2
3/4	3/4	3,879.77	3/4	3,520.60	3/4	3,153.44	3/4	2,786.29	3/4	2,419.14	3/4	2,051.99	3/4	1,684.84	3/4	1,317.68	3/4	950.53	3/4	584.10	3/4	237.56	3/4		3/4		3/4		3/4
2	2	3,874.31	2	3,512.95	2	3,145.79	2	2,778.64	2	2,411.49	2	2,044.34	2	1,677.19	2	1,310.03	2	942.88	2	576.60	2	230.78	2		2		2		2
1/4	1/4	3,867.38	1/4	3,505.30	1/4	3,138.15	1/4	2,770.99	1/4	2,403.84	1/4	2,036.69	1/4	1,669.54	1/4	1,302.39	1/4	935.23	1/4	569.10	1/4	223.99	1/4		1/4		1/4		1/4
1/2	1/2	3,860.46	1/2	3,497.65	1/2	3,130.50	1/2	2,763.34	1/2	2,396.19	1/2	2,029.04	1/2	1,661.89	1/2	1,294.74	1/2	927.58	1/2	561.59	1/2	217.21	1/2		1/2		1/2		1/2
3/4	3/4	3,853.53	3/4	3,490.00	3/4	3,122.85	3/4	2,755.70	3/4	2,388.54	3/4	2,021.39	3/4	1,654.24	3/4	1,287.09	3/4	919.94	3/4	554.09	3/4	210.42	3/4		3/4		3/4		3/4
3	3	3,846.61	3	3,482.35	3	3,115.20	3	2,748.05	3	2,380.89	3	2,013.74	3	1,646.59	3	1,279.44	3	912.29	3	546.58	3	203.64	3		3		3		3
1/4	1/4	3,839.68	1/4	3,474.70	1/4	3,107.55	1/4	2,740.40	1/4	2,373.25	1/4	2,006.09	1/4	1,638.94	1/4	1,271.79	1/4	904.64	1/4	539.08	1/4	196.85	1/4		1/4		1/4		1/4
1/2	1/2	3,832.76	1/2	3,467.05	1/2	3,099.90	1/2	2,732.75	1/2	2,365.60	1/2	1,998.44	1/2	1,631.29	1/2	1,264.14	1/2	896.99	1/2	531.58	1/2	190.07	1/2		1/2		1/2		1/2
3/4	3/4	3,825.83	3/4	3,459.40	3/4	3,092.25	3/4	2,725.10	3/4	2,357.95	3/4	1,990.80	3/4	1,623.64	3/4	1,256.49	3/4	889.34	3/4	524.07	3/4	183.28	3/4		3/4		3/4		3/4
4	4	3,818.91	4	3,451.75	4	3,084.60	4	2,717.45	4	2,350.30	4	1,983.15	4	1,615.99	4	1,248.84	4	881.69	4	516.57	4	176.50	4		4		4		4
1/4	1/4	3,811.26	1/4	3,444.11	1/4	3,076.95	1/4	2,709.80	1/4	2,342.65	1/4	1,975.50	1/4	1,608.35	1/4	1,241.19	1/4	874.04	1/4	509.06	1/4	169.71	1/4		1/4		1/4		1/4
1/2	1/2	3,803.61	1/2	3,436.46	1/2	3,069.30	1/2	2,702.15	1/2	2,335.00	1/2	1,967.85	1/2	1,600.70	1/2	1,233.54	1/2	866.39	1/2	501.56	1/2	162.93	1/2		1/2		1/2		1/2
3/4	3/4	3,795.96	3/4	3,428.81	3/4	3,061.66	3/4	2,694.50	3/4	2,327.35	3/4	1,960.20	3/4	1,593.05	3/4	1,225.90	3/4	858.74	3/4	494.06	3/4	156.14	3/4		3/4		3/4		3/4
5	5	3,788.31	5	3,421.16	5	3,054.01	5	2,686.85	5	2,319.70	5	1,952.55	5	1,585.40	5	1,218.25	5	851.09	5	486.55	5	149.36	5		5		5		5
1/4	1/4	3,780.66	1/4	3,413.51	1/4	3,046.36	1/4	2,679.21	1/4	2,312.05	1/4	1,944.90	1/4	1,577.75	1/4	1,210.60	1/4	843.45	1/4	479.05	1/4	142.57	1/4		1/4		1/4		1/4
1/2	1/2	3,773.01	1/2	3,405.86	1/2	3,038.71	1/2	2,671.56	1/2	2,304.40	1/2	1,937.25	1/2	1,570.10	1/2	1,202.95	1/2	835.80	1/2	471.54	1/2	135.79	1/2		1/2		1/2		1/2
3/4	3/4	3,765.36	3/4	3,398.21	3/4	3,031.06	3/4	2,663.91	3/4	2,296.76	3/4	1,929.60	3/4	1,562.45	3/4	1,195.30	3/4	828.15	3/4	464.04	3/4	129.00	3/4		3/4		3/4		3/4
6	6	3,757.71	6	3,390.56	6	3,023.41	6	2,656.26	6	2,289.11	6	1,921.95	6	1,554.80	6	1,187.65	6	820.50	6	456.54	6	122.22	6		6		6		6
1/4	1/4	3,750.07	1/4	3,382.91	1/4	3,015.76	1/4	2,648.61	1/4	2,281.46	1/4	1,914.31	1/4	1,547.15	1/4	1,180.00	1/4	812.85	1/4	449.03	1/4	115.43	1/4		1/4		1/4		1/4
1/2	1/2	3,742.42	1/2	3,375.26	1/2	3,008.11	1/2	2,640.96	1/2	2,273.81	1/2	1,906.66	1/2	1,539.50	1/2	1,172.35	1/2	805.20	1/2	441.53	1/2	108.65	1/2		1/2		1/2		1/2
3/4	3/4	3,734.77	3/4	3,367.62	3/4	3,000.46	3/4	2,633.31	3/4	2,266.16	3/4	1,899.01	3/4	1,531.86	3/4	1,164.70	3/4	797.55	3/4	434.44	3/4	102.16	3/4		3/4		3/4		3/4
7	7	3,727.12	7	3,359.97	7	2,992.81	7	2,625.66	7	2,258.51	7	1,891.36	7	1,524.21	7	1,157.05	7	789.90	7	427.36	7	95.68	7		7		7		7
1/4	1/4	3,719.47	1/4	3,352.32	1/4	2,985.17	1/4	2,618.01	1/4	2,250.86	1/4	1,883.71	1/4	1,516.56	1/4	1,149.41	1/4	782.25	1/4	420.27	1/4	89.19	1/4		1/4		1/4		1/4
1/2	1/2	3,711.82	1/2	3,344.67	1/2	2,977.52	1/2	2,610.36	1/2	2,243.21	1/2	1,876.06	1/2	1,508.91	1/2	1,141.76	1/2	774.60	1/2	413.19	1/2	82.71	1/2		1/2		1/2		1/2
3/4	3/4	3,704.17	3/4	3,337.02	3/4	2,969.87	3/4	2,602.72	3/4	2,235.56	3/4	1,868.41	3/4	1,501.26	3/4	1,134.11	3/4	766.96	3/4	406.10	3/4	76.22	3/4		3/4		3/4		3/4
8	8	3,696.52	8	3,329.37	8	2,962.22	8	2,595.07	8	2,227.91	8	1,860.76	8	1,493.61	8	1,126.46	8	759.31	8	399.02	8	69.74	8		8		8		8
1/4	1/4	3,687.97	1/4	3,321.72	1/4	2,954.57	1/4	2,587.42	1/4	2,220.27	1/4	1,853.11	1/4	1,485.96	1/4	1,118.81	1/4	751.66	1/4	391.93	1/4	63.25	1/4		1/4		1/4		1/4
1/2	1/2	3,681.22	1/2	3,314.07	1/2	2,946.92	1/2	2,579.77	1/2	2,212.62	1/2	1,845.46	1/2	1,478.31	1/2	1,111.16	1/2	744.01	1/2	384.85	1/2	56.77	1/2		1/2		1/2		1/2
3/4	3/4	3,673.58	3/4	3,306.42	3/4	2,939.27	3/4	2,572.12	3/4	2,204.97	3/4	1,837.82	3/4	1,470.66	3/4	1,103.51	3/4	736.36	3/4	377.76	3/4	51.03	3/4		3/4		3/4		3/4
9	9	3,665.93	9	3,298.77	9	2,931.62	9	2,564.47	9	2,197.32	9	1,830.17	9	1,463.01	9	1,095.86	9	728.71	9	370.68	9	45.29	9		9		9		9
1/4	1/4	3,657.77	1/4	3,291.13	1/4	2,923.97	1/4	2,556.82	1/4	2,189.67	1/4	1,822.52	1/4	1,455.37	1/4	1,088.21	1/4	721.06	1/4	363.59	1/4	39.55	1/4		1/4		1/4		1/4
1/2	1/2	3,650.63	1/2	3,283.48	1/2	2,916.32	1/2	2,549.17	1/2	2,182.02	1/2	1,814.87	1/2	1,447.72	1/2	1,080.56	1/2	713.41	1/2	356.51	1/2	33.82	1/2		1/2		1/2		1/2
3/4	3/4	3,642.98	3/4	3,275.83	3/4	2,908.68	3/4	2,541.52	3/4	2,174.37	3/4	1,807.22	3/4	1,440.07	3/4	1,072.92	3/4	705.76	3/4	349.42	3/4	29.57	3/4		3/4		3/4		3/4
10	10	3,635.33	10	3,268.18	10	2,901.03	10	2,533.87	10	2,166.72	10	1,799.57	10	1,432.42	10	1,065.27	10	698.11	10	342.34	10	25.33	10		10		10		10
1/4	1/4	3,627.68	1/4	3,260.53	1/4	2,893.38	1/4	2,526.23	1/4	2,159.07	1/4	1,791.92	1/4	1,424.77	1/4	1,057.62	1/4	690.47	1/4	335.25	1/4	21.08	1/4		1/4		1/4		1/4
1/2	1/2	3,620.03	1/2	3,252.88	1/2	2,885.73	1/2	2,518.58	1/2	2,151.42	1/2	1,784.27	1/2	1,417.12	1/2	1,049.97	1/2	682.82	1/2</										



# BARGE "MM-90" MAGNOLIA MARINE

## OUTAGE TABLE

**1 STAR**

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

HULL NO. 4464

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	3,912.58	0	3,566.49	0	3,199.34	0	2,832.19	0	2,465.03	0	2,097.88	0	1,730.73	0	1,363.58	0	996.43	0	629.27	0	278.57	0		0		0		0
1/4	1/4	3,907.11	1/4	3,558.84	1/4	3,191.69	1/4	2,824.54	1/4	2,457.38	1/4	2,090.23	1/4	1,723.08	1/4	1,355.93	1/4	988.78	1/4	621.62	1/4	271.49	1/4		1/4		1/4		1/4
1/2	1/2	3,901.64	1/2	3,551.19	1/2	3,184.04	1/2	2,816.89	1/2	2,449.74	1/2	2,082.58	1/2	1,715.43	1/2	1,348.28	1/2	981.13	1/2	614.12	1/2	264.70	1/2		1/2		1/2		1/2
3/4	3/4	3,896.17	3/4	3,543.54	3/4	3,176.39	3/4	2,809.24	3/4	2,442.09	3/4	2,074.93	3/4	1,707.78	3/4	1,340.63	3/4	973.48	3/4	606.62	3/4	257.92	3/4		3/4		3/4		3/4
1	1	3,890.71	1	3,535.89	1	3,168.74	1	2,801.59	1	2,434.44	1	2,067.29	1	1,700.13	1	1,332.98	1	965.83	1	599.11	1	251.13	1		1		1		1
1/4	1/4	3,885.24	1/4	3,528.24	1/4	3,161.09	1/4	2,793.94	1/4	2,426.79	1/4	2,059.64	1/4	1,692.48	1/4	1,325.33	1/4	958.18	1/4	591.61	1/4	244.35	1/4		1/4		1/4		1/4
1/2	1/2	3,879.77	1/2	3,520.60	1/2	3,153.44	1/2	2,786.29	1/2	2,419.14	1/2	2,051.99	1/2	1,684.84	1/2	1,317.68	1/2	950.53	1/2	584.10	1/2	237.56	1/2		1/2		1/2		1/2
3/4	3/4	3,874.31	3/4	3,512.95	3/4	3,145.79	3/4	2,778.64	3/4	2,411.49	3/4	2,044.34	3/4	1,677.19	3/4	1,310.03	3/4	942.88	3/4	576.60	3/4	230.78	3/4		3/4		3/4		3/4
2	2	3,867.38	2	3,505.30	2	3,138.15	2	2,770.99	2	2,403.84	2	2,036.69	2	1,669.54	2	1,302.39	2	935.23	2	569.10	2	223.99	2		2		2		2
1/4	1/4	3,860.46	1/4	3,497.65	1/4	3,130.50	1/4	2,763.34	1/4	2,396.19	1/4	2,029.04	1/4	1,661.89	1/4	1,294.74	1/4	927.58	1/4	561.59	1/4	217.21	1/4		1/4		1/4		1/4
1/2	1/2	3,853.53	1/2	3,490.00	1/2	3,122.85	1/2	2,755.70	1/2	2,388.54	1/2	2,021.39	1/2	1,654.24	1/2	1,287.09	1/2	919.94	1/2	554.09	1/2	210.42	1/2		1/2		1/2		1/2
3/4	3/4	3,846.61	3/4	3,482.35	3/4	3,115.20	3/4	2,748.05	3/4	2,380.89	3/4	2,013.74	3/4	1,646.59	3/4	1,279.44	3/4	912.29	3/4	546.58	3/4	203.64	3/4		3/4		3/4		3/4
3	3	3,839.68	3	3,474.70	3	3,107.55	3	2,740.40	3	2,373.25	3	2,006.09	3	1,638.94	3	1,271.79	3	904.64	3	539.08	3	196.85	3		3		3		3
1/4	1/4	3,832.76	1/4	3,467.05	1/4	3,099.90	1/4	2,732.75	1/4	2,365.60	1/4	1,998.44	1/4	1,631.29	1/4	1,264.14	1/4	896.99	1/4	531.58	1/4	190.07	1/4		1/4		1/4		1/4
1/2	1/2	3,825.83	1/2	3,459.40	1/2	3,092.25	1/2	2,725.10	1/2	2,357.95	1/2	1,990.80	1/2	1,623.64	1/2	1,256.49	1/2	889.34	1/2	524.07	1/2	183.28	1/2		1/2		1/2		1/2
3/4	3/4	3,818.91	3/4	3,451.75	3/4	3,084.60	3/4	2,717.45	3/4	2,350.30	3/4	1,983.15	3/4	1,615.99	3/4	1,248.84	3/4	881.69	3/4	516.57	3/4	176.50	3/4		3/4		3/4		3/4
4	4	3,811.26	4	3,444.11	4	3,076.95	4	2,709.80	4	2,342.65	4	1,975.50	4	1,608.35	4	1,241.19	4	874.04	4	509.06	4	169.71	4		4		4		4
1/4	1/4	3,803.61	1/4	3,436.46	1/4	3,069.30	1/4	2,702.15	1/4	2,335.00	1/4	1,967.85	1/4	1,600.70	1/4	1,233.54	1/4	866.39	1/4	501.56	1/4	162.93	1/4		1/4		1/4		1/4
1/2	1/2	3,795.96	1/2	3,428.81	1/2	3,061.66	1/2	2,694.50	1/2	2,327.35	1/2	1,960.20	1/2	1,593.05	1/2	1,225.90	1/2	858.74	1/2	494.06	1/2	156.14	1/2		1/2		1/2		1/2
3/4	3/4	3,788.31	3/4	3,421.16	3/4	3,054.01	3/4	2,686.85	3/4	2,319.70	3/4	1,952.55	3/4	1,585.40	3/4	1,218.25	3/4	851.09	3/4	486.55	3/4	149.36	3/4		3/4		3/4		3/4
5	5	3,780.66	5	3,413.51	5	3,046.36	5	2,679.21	5	2,312.05	5	1,944.90	5	1,577.75	5	1,210.60	5	843.45	5	479.05	5	142.57	5		5		5		5
1/4	1/4	3,979.63	1/4	3,773.01	1/4	3,405.86	1/4	3,038.71	1/4	2,671.56	1/4	2,304.40	1/4	1,937.25	1/4	1,570.10	1/4	835.80	1/4	471.54	1/4	135.79	1/4		1/4		1/4		1/4
1/2	1/2	3,979.45	1/2	3,765.36	1/2	3,398.21	1/2	3,031.06	1/2	2,663.91	1/2	2,296.76	1/2	1,929.60	1/2	1,562.45	1/2	828.15	1/2	464.04	1/2	129.00	1/2		1/2		1/2		1/2
3/4	3/4	3,979.27	3/4	3,757.71	3/4	3,390.56	3/4	3,023.41	3/4	2,656.26	3/4	2,289.11	3/4	1,921.95	3/4	1,554.80	3/4	820.50	3/4	456.54	3/4	122.22	3/4		3/4		3/4		3/4
6	6	3,978.17	6	3,750.07	6	3,382.91	6	3,015.76	6	2,648.61	6	2,281.46	6	1,914.31	6	1,547.15	6	812.85	6	449.03	6	115.43	6		6		6		6
1/4	1/4	3,977.08	1/4	3,742.42	1/4	3,375.26	1/4	3,008.11	1/4	2,640.96	1/4	2,273.81	1/4	1,906.66	1/4	1,539.50	1/4	805.20	1/4	441.53	1/4	108.65	1/4		1/4		1/4		1/4
1/2	1/2	3,975.99	1/2	3,734.77	1/2	3,367.62	1/2	3,000.46	1/2	2,633.31	1/2	2,266.16	1/2	1,899.01	1/2	1,531.86	1/2	797.55	1/2	434.44	1/2	102.16	1/2		1/2		1/2		1/2
3/4	3/4	3,974.89	3/4	3,727.12	3/4	3,359.97	3/4	2,992.81	3/4	2,625.66	3/4	2,258.51	3/4	1,891.36	3/4	1,524.21	3/4	789.90	3/4	427.36	3/4	95.68	3/4		3/4		3/4		3/4
7	7	3,973.80	7	3,719.47	7	3,352.32	7	2,985.17	7	2,618.01	7	2,250.86	7	1,883.71	7	1,516.56	7	782.25	7	420.27	7	89.19	7		7		7		7
1/4	1/4	3,972.71	1/4	3,711.82	1/4	3,344.67	1/4	2,977.52	1/4	2,610.36	1/4	2,243.21	1/4	1,876.06	1/4	1,508.91	1/4	774.60	1/4	413.19	1/4	82.71	1/4		1/4		1/4		1/4
1/2	1/2	3,971.62	1/2	3,704.17	1/2	3,337.02	1/2	2,969.87	1/2	2,602.72	1/2	2,235.56	1/2	1,868.41	1/2	1,501.26	1/2	766.96	1/2	406.10	1/2	76.22	1/2		1/2		1/2		1/2
3/4	3/4	3,970.52	3/4	3,696.52	3/4	3,329.37	3/4	2,962.22	3/4	2,595.07	3/4	2,227.91	3/4	1,860.76	3/4	1,493.61	3/4	759.31	3/4	399.02	3/4	69.74	3/4		3/4		3/4		3/4
8	8	3,967.97	8	3,688.87	8	3,321.72	8	2,954.57	8	2,587.42	8	2,220.27	8	1,853.11	8	1,485.96	8	751.66	8	391.93	8	63.25	8		8		8		8
1/4	1/4	3,965.42	1/4	3,681.22	1/4	3,314.07	1/4	2,946.92	1/4	2,579.77	1/4	2,212.62	1/4	1,845.46	1/4	1,478.31	1/4	744.01	1/4	384.85	1/4	56.77	1/4		1/4		1/4		1/4
1/2	1/2	3,962.87	1/2	3,673.58	1/2	3,306.42	1/2	2,939.27	1/2	2,572.12	1/2	2,204.97	1/2	1,837.82	1/2	1,470.66	1/2	736.36	1/2	377.76	1/2	51.03	1/2		1/2		1/2		1/2
3/4	3/4	3,960.32	3/4	3,665.93	3/4	3,298.77	3/4	2,931.62	3/4	2,564.47	3/4	2,197.32	3/4	1,830.17	3/4	1,463.01	3/4	728.71	3/4	370.68	3/4	45.29	3/4		3/4		3/4		3/4
9	9	3,957.77	9	3,658.28	9	3,291.13	9	2,923.97	9	2,556.82	9	2,189.67	9	1,822.52	9	1,455.37	9	721.06	9	363.59	9	39.55	9		9		9		9
1/4	1/4	3,955.22	1/4	3,650.63	1/4	3,283.48	1/4	2,916.32	1/4	2,549.17	1/4	2,182.02	1/4	1,814.87	1/4	1,447.72	1/4	713.41	1/4	356.51	1/4	33.82	1/4		1/4		1/4		1/4
1/2	1/2	3,952.67	1/2	3,642.98	1/2	3,275.83	1/2	2,908.68	1/2	2,541.52	1/2	2,174.37	1/2	1,807.22	1/2	1,440.07	1/2	705.76	1/2	349.42	1/2	29.57	1/2		1/2		1/2		1/2
3/4	3/4	3,950.11	3/4	3,635.33	3/4	3,268.18	3/4	2,901.03	3/4	2,533.87	3/4	2,166.72	3/4	1,799.57	3/4	1,432.42	3/4	698.11	3/4	342.34	3/4	25.33	3/4		3/4		3/4		3/4
10	10	3,946.11	10	3,627.68	10	3,260.53	10	2,893.38	10	2,526.23	10	2,159.07	10	1,791.92	10	1,424.77	10	690.47	10	335.25	10	* 21.08	10		10		10		10
1/4	1/4	3,942.10	1/4	3,620.03	1/4	3,252.88	1/4	2,885.73	1/4	2,518.58	1/4	2,151.42	1/4	1,784.27	1/4	1,417.12	1/4	682.82	1/4	328.17	1/4		1/4		1/4		1/4		1/4
1/2	1/2	3,938.09	1/2	3,612.38	1/2	3,245.23	1/2	2,878.08	1/2	2,510.93	1/2	2,143.78	1/2	1,776.62															



# BARGE "MM-90" MAGNOLIA MARINE

## OUTAGE TABLE

**2 PORT**

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

HULL NO. 4464

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	3,825.52	0	3,493.69	0	3,139.36	0	2,785.02	0	2,430.68	0	2,076.35	0	1,722.01	0	1,367.68	0	1,013.34	0	659.00	0	304.91	0		0		0		0	
1/4		1/4	3,820.25	1/4	3,486.31	1/4	3,131.97	1/4	2,777.64	1/4	2,423.30	1/4	2,068.97	1/4	1,714.63	1/4	1,360.29	1/4	1,005.96	1/4	651.62	1/4	297.64	1/4		1/4		1/4		1/4	
1/2		1/2	3,814.98	1/2	3,478.93	1/2	3,124.59	1/2	2,770.26	1/2	2,415.92	1/2	2,061.58	1/2	1,707.25	1/2	1,352.91	1/2	998.58	1/2	644.24	1/2	290.38	1/2		1/2		1/2		1/2	
3/4		3/4	3,809.71	3/4	3,471.55	3/4	3,117.21	3/4	2,762.87	3/4	2,408.54	3/4	2,054.20	3/4	1,699.87	3/4	1,345.53	3/4	991.19	3/4	636.86	3/4	283.12	3/4		3/4		3/4		3/4	
1		1	3,804.44	1	3,464.16	1	3,109.83	1	2,755.49	1	2,401.16	1	2,046.82	1	1,692.48	1	1,338.15	1	983.81	1	629.48	1	275.85	1		1		1		1	
1/4		1/4	3,799.16	1/4	3,456.78	1/4	3,102.45	1/4	2,748.11	1/4	2,393.77	1/4	2,039.44	1/4	1,685.10	1/4	1,330.77	1/4	976.43	1/4	622.09	1/4	268.59	1/4		1/4		1/4		1/4	
1/2		1/2	3,793.89	1/2	3,449.40	1/2	3,095.06	1/2	2,740.73	1/2	2,386.39	1/2	2,032.06	1/2	1,677.72	1/2	1,323.38	1/2	969.05	1/2	614.71	1/2	261.33	1/2		1/2		1/2		1/2	
3/4		3/4	3,788.62	3/4	3,442.02	3/4	3,087.68	3/4	2,733.35	3/4	2,379.01	3/4	2,024.67	3/4	1,670.34	3/4	1,316.00	3/4	961.67	3/4	607.33	3/4	254.06	3/4		3/4		3/4		3/4	
2		2	3,783.35	2	3,434.64	2	3,080.30	2	2,725.96	2	2,371.63	2	2,017.29	2	1,662.96	2	1,308.62	2	954.28	2	599.95	2	246.80	2		2		2		2	
1/4		1/4	3,776.67	1/4	3,427.25	1/4	3,072.92	1/4	2,718.58	1/4	2,364.25	1/4	2,009.91	1/4	1,655.57	1/4	1,301.24	1/4	946.90	1/4	592.57	1/4	239.54	1/4		1/4		1/4		1/4	
1/2		1/2	3,769.99	1/2	3,419.87	1/2	3,065.54	1/2	2,711.20	1/2	2,356.86	1/2	2,002.53	1/2	1,648.19	1/2	1,293.86	1/2	939.52	1/2	585.18	1/2	232.28	1/2		1/2		1/2		1/2	
3/4		3/4	3,763.31	3/4	3,412.49	3/4	3,058.15	3/4	2,703.82	3/4	2,349.48	3/4	1,995.15	3/4	1,640.81	3/4	1,286.47	3/4	932.14	3/4	577.80	3/4	225.01	3/4		3/4		3/4		3/4	
3		3	3,756.63	3	3,405.11	3	3,050.77	3	2,696.44	3	2,342.10	3	1,987.76	3	1,633.43	3	1,279.09	3	924.76	3	570.42	3	217.75	3		3		3		3	
1/4		1/4	3,749.95	1/4	3,397.73	1/4	3,043.39	1/4	2,689.05	1/4	2,334.72	1/4	1,980.38	1/4	1,626.05	1/4	1,271.71	1/4	917.37	1/4	563.04	1/4	210.49	1/4		1/4		1/4		1/4	
1/2		1/2	3,743.27	1/2	3,390.34	1/2	3,036.01	1/2	2,681.67	1/2	2,327.34	1/2	1,973.00	1/2	1,618.66	1/2	1,264.33	1/2	909.99	1/2	555.66	1/2	203.22	1/2		1/2		1/2		1/2	
3/4		3/4	3,736.60	3/4	3,382.96	3/4	3,028.63	3/4	2,674.29	3/4	2,319.95	3/4	1,965.62	3/4	1,611.28	3/4	1,256.95	3/4	902.61	3/4	548.27	3/4	195.96	3/4		3/4		3/4		3/4	
4		4	3,729.92	4	3,375.58	4	3,021.24	4	2,666.91	4	2,312.57	4	1,958.24	4	1,603.90	4	1,249.56	4	895.23	4	540.89	4	188.70	4		4		4		4	
1/4		1/4	3,722.53	1/4	3,368.20	1/4	3,013.86	1/4	2,659.53	1/4	2,305.19	1/4	1,950.85	1/4	1,596.52	1/4	1,242.18	1/4	887.85	1/4	533.51	1/4	181.43	1/4		1/4		1/4		1/4	
1/2		1/2	3,715.15	1/2	3,360.82	1/2	3,006.48	1/2	2,652.14	1/2	2,297.81	1/2	1,943.47	1/2	1,589.14	1/2	1,234.80	1/2	880.46	1/2	526.13	1/2	174.17	1/2		1/2		1/2		1/2	
3/4		3/4	3,707.77	3/4	3,353.43	3/4	2,999.10	3/4	2,644.76	3/4	2,290.43	3/4	1,936.09	3/4	1,581.75	3/4	1,227.42	3/4	873.08	3/4	518.75	3/4	166.91	3/4		3/4		3/4		3/4	
5		5	3,700.39	5	3,346.05	5	2,991.72	5	2,637.38	5	2,283.04	5	1,928.71	5	1,574.37	5	1,220.04	5	865.70	5	511.36	5	159.65	5		5		5		5	
1/4		1/4	3,693.01	1/4	3,338.67	1/4	2,984.33	1/4	2,630.00	1/4	2,275.66	1/4	1,921.33	1/4	1,566.99	1/4	1,212.65	1/4	858.32	1/4	503.98	1/4	152.38	1/4		1/4		1/4		1/4	
1/2	3,884.93	1/2	3,685.62	1/2	3,331.29	1/2	2,976.95	1/2	2,622.62	1/2	2,268.28	1/2	1,913.94	1/2	1,559.61	1/2	1,205.27	1/2	850.94	1/2	496.60	1/2	145.12	1/2		1/2		1/2		1/2	
3/4	3,884.76	3/4	3,678.24	3/4	3,323.91	3/4	2,969.57	3/4	2,615.23	3/4	2,260.90	3/4	1,906.56	3/4	1,552.23	3/4	1,197.89	3/4	843.55	3/4	489.22	3/4	137.86	3/4		3/4		3/4		3/4	
6	3,884.58	6	3,670.86	6	3,316.52	6	2,962.19	6	2,607.85	6	2,253.52	6	1,899.18	6	1,544.84	6	1,190.51	6	836.17	6	481.84	6	130.59	6		6		6		6	
1/4	3,883.53	1/4	3,663.48	1/4	3,309.14	1/4	2,954.81	1/4	2,600.47	1/4	2,246.13	1/4	1,891.80	1/4	1,537.46	1/4	1,183.13	1/4	828.79	1/4	474.45	1/4	123.33	1/4		1/4		1/4		1/4	
1/2	3,882.47	1/2	3,656.10	1/2	3,301.76	1/2	2,947.42	1/2	2,593.09	1/2	2,238.75	1/2	1,884.42	1/2	1,530.08	1/2	1,175.74	1/2	821.41	1/2	467.07	1/2	116.07	1/2		1/2		1/2		1/2	
3/4	3,881.42	3/4	3,648.71	3/4	3,294.38	3/4	2,940.04	3/4	2,585.71	3/4	2,231.37	3/4	1,877.03	3/4	1,522.70	3/4	1,168.36	3/4	814.03	3/4	459.69	3/4	108.80	3/4		3/4		3/4		3/4	
7	3,880.36	7	3,641.33	7	3,287.00	7	2,932.66	7	2,578.32	7	2,223.99	7	1,869.65	7	1,515.32	7	1,160.98	7	806.64	7	452.31	7	101.54	7		7		7		7	
1/4	3,879.31	1/4	3,633.95	1/4	3,279.61	1/4	2,925.28	1/4	2,570.94	1/4	2,216.61	1/4	1,862.27	1/4	1,507.93	1/4	1,153.60	1/4	799.26	1/4	444.93	1/4	94.28	1/4		1/4		1/4		1/4	
1/2	3,878.26	1/2	3,626.57	1/2	3,272.23	1/2	2,917.90	1/2	2,563.56	1/2	2,209.22	1/2	1,854.89	1/2	1,500.55	1/2	1,146.22	1/2	791.88	1/2	437.54	1/2	87.02	1/2		1/2		1/2		1/2	
3/4	3,877.20	3/4	3,619.19	3/4	3,264.85	3/4	2,910.51	3/4	2,556.18	3/4	2,201.84	3/4	1,847.51	3/4	1,493.17	3/4	1,138.83	3/4	784.50	3/4	430.16	3/4	79.75	3/4		3/4		3/4		3/4	
8	3,876.15	8	3,611.80	8	3,257.47	8	2,903.13	8	2,548.80	8	2,194.46	8	1,840.12	8	1,485.79	8	1,131.45	8	777.12	8	422.78	8	72.49	8		8		8		8	
1/4	3,873.69	1/4	3,604.42	1/4	3,250.09	1/4	2,895.75	1/4	2,541.41	1/4	2,187.08	1/4	1,832.74	1/4	1,478.41	1/4	1,124.07	1/4	769.73	1/4	415.40	1/4	65.23	1/4		1/4		1/4		1/4	
1/2	3,871.23	1/2	3,597.04	1/2	3,242.70	1/2	2,888.37	1/2	2,534.03	1/2	2,179.70	1/2	1,825.36	1/2	1,471.02	1/2	1,116.69	1/2	762.35	1/2	408.02	1/2	57.96	1/2		1/2		1/2		1/2	
3/4	3,868.77	3/4	3,589.66	3/4	3,235.32	3/4	2,880.99	3/4	2,526.65	3/4	2,172.31	3/4	1,817.98	3/4	1,463.64	3/4	1,109.31	3/4	754.97	3/4	400.63	3/4	51.62	3/4		3/4		3/4		3/4	
9	3,866.30	9	3,582.28	9	3,227.94	9	2,873.60	9	2,519.27	9	2,164.93	9	1,810.60	9	1,456.26	9	1,101.92	9	747.59	9	393.25	9	45.28	9		9		9		9	
1/4	3,863.84	1/4	3,574.89	1/4	3,220.56	1/4	2,866.22	1/4	2,511.89	1/4	2,157.55	1/4	1,803.21	1/4	1,448.88	1/4	1,094.54	1/4	740.21	1/4	385.87	1/4	38.94	1/4		1/4		1/4		1/4	
1/2	3,861.38	1/																													





# BARGE "MM-90" MAGNOLIA MARINE

## OUTAGE TABLE

2 STAR

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

HULL NO. 4464

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	3,829.39	0	3,501.07	0	3,146.74	0	2,792.40	0	2,438.07	0	2,083.73	0	1,729.39	0	1,375.06	0	1,020.72	0	666.39	0	312.17	0		0		0		0
1/4	1/4	3,825.52	1/4	3,493.69	1/4	3,139.36	1/4	2,785.02	1/4	2,430.68	1/4	2,076.35	1/4	1,722.01	1/4	1,367.68	1/4	1,013.34	1/4	659.00	1/4	304.91	1/4		1/4	1/4	1/4	1/4	1/4
1/2	1/2	3,820.25	1/2	3,486.31	1/2	3,131.97	1/2	2,777.64	1/2	2,423.30	1/2	2,068.97	1/2	1,714.63	1/2	1,360.29	1/2	1,005.96	1/2	651.62	1/2	297.64	1/2		1/2	1/2	1/2	1/2	1/2
3/4	3/4	3,814.98	3/4	3,478.93	3/4	3,124.59	3/4	2,770.26	3/4	2,415.92	3/4	2,061.58	3/4	1,707.25	3/4	1,352.91	3/4	998.58	3/4	644.24	3/4	290.38	3/4		3/4	3/4	3/4	3/4	3/4
1	1	3,809.71	1	3,471.55	1	3,117.21	1	2,762.87	1	2,408.54	1	2,054.20	1	1,699.87	1	1,345.53	1	991.19	1	636.86	1	283.12	1		1		1		1
1/4	1/4	3,804.44	1/4	3,464.16	1/4	3,109.83	1/4	2,755.49	1/4	2,401.16	1/4	2,046.82	1/4	1,692.48	1/4	1,338.15	1/4	983.81	1/4	629.48	1/4	275.85	1/4		1/4	1/4	1/4	1/4	1/4
1/2	1/2	3,799.16	1/2	3,456.78	1/2	3,102.45	1/2	2,748.11	1/2	2,393.77	1/2	2,039.44	1/2	1,685.10	1/2	1,330.77	1/2	976.43	1/2	622.09	1/2	268.59	1/2		1/2	1/2	1/2	1/2	1/2
3/4	3/4	3,793.89	3/4	3,449.40	3/4	3,095.06	3/4	2,740.73	3/4	2,386.39	3/4	2,032.06	3/4	1,677.72	3/4	1,323.38	3/4	969.05	3/4	614.71	3/4	261.33	3/4		3/4	3/4	3/4	3/4	3/4
2	2	3,788.62	2	3,442.02	2	3,087.68	2	2,733.35	2	2,379.01	2	2,024.67	2	1,670.34	2	1,316.00	2	961.67	2	607.33	2	254.06	2		2		2		2
1/4	1/4	3,783.35	1/4	3,434.64	1/4	3,080.30	1/4	2,725.96	1/4	2,371.63	1/4	2,017.29	1/4	1,662.96	1/4	1,308.62	1/4	954.28	1/4	599.95	1/4	246.80	1/4		1/4	1/4	1/4	1/4	1/4
1/2	1/2	3,776.67	1/2	3,427.25	1/2	3,072.92	1/2	2,718.58	1/2	2,364.25	1/2	2,009.91	1/2	1,655.57	1/2	1,301.24	1/2	946.90	1/2	592.57	1/2	239.54	1/2		1/2	1/2	1/2	1/2	1/2
3/4	3/4	3,769.99	3/4	3,419.87	3/4	3,065.54	3/4	2,711.20	3/4	2,356.86	3/4	2,002.53	3/4	1,648.19	3/4	1,293.86	3/4	939.52	3/4	585.18	3/4	232.28	3/4		3/4	3/4	3/4	3/4	3/4
3	3	3,763.31	3	3,412.49	3	3,058.15	3	2,703.82	3	2,349.48	3	1,995.15	3	1,640.81	3	1,286.47	3	932.14	3	577.80	3	225.01	3		3		3		3
1/4	1/4	3,756.63	1/4	3,405.11	1/4	3,050.77	1/4	2,696.44	1/4	2,342.10	1/4	1,987.76	1/4	1,633.43	1/4	1,279.09	1/4	924.76	1/4	570.42	1/4	217.75	1/4		1/4	1/4	1/4	1/4	1/4
1/2	1/2	3,749.95	1/2	3,397.73	1/2	3,043.39	1/2	2,689.05	1/2	2,334.72	1/2	1,980.38	1/2	1,626.05	1/2	1,271.71	1/2	917.37	1/2	563.04	1/2	210.49	1/2		1/2	1/2	1/2	1/2	1/2
3/4	3/4	3,743.27	3/4	3,390.34	3/4	3,036.01	3/4	2,681.67	3/4	2,327.34	3/4	1,973.00	3/4	1,618.66	3/4	1,264.33	3/4	909.99	3/4	555.66	3/4	203.22	3/4		3/4	3/4	3/4	3/4	3/4
4	4	3,736.60	4	3,382.96	4	3,028.63	4	2,674.29	4	2,319.95	4	1,965.62	4	1,611.28	4	1,256.95	4	902.61	4	548.27	4	195.96	4		4		4		4
1/4	1/4	3,729.92	1/4	3,375.58	1/4	3,021.24	1/4	2,666.91	1/4	2,312.57	1/4	1,958.24	1/4	1,603.90	1/4	1,249.56	1/4	895.23	1/4	540.89	1/4	188.70	1/4		1/4	1/4	1/4	1/4	1/4
1/2	1/2	3,722.53	1/2	3,368.20	1/2	3,013.86	1/2	2,659.53	1/2	2,305.19	1/2	1,950.85	1/2	1,596.52	1/2	1,242.18	1/2	887.85	1/2	533.51	1/2	181.43	1/2		1/2	1/2	1/2	1/2	1/2
3/4	3/4	3,715.15	3/4	3,360.82	3/4	3,006.48	3/4	2,652.14	3/4	2,297.81	3/4	1,943.47	3/4	1,589.14	3/4	1,234.80	3/4	880.46	3/4	526.13	3/4	174.17	3/4		3/4	3/4	3/4	3/4	3/4
5	5	3,707.77	5	3,353.43	5	2,999.10	5	2,644.76	5	2,290.43	5	1,936.09	5	1,581.75	5	1,227.42	5	873.08	5	518.75	5	166.91	5		5		5		5
1/4	1/4	3,700.39	1/4	3,346.05	1/4	2,991.72	1/4	2,637.38	1/4	2,283.04	1/4	1,928.71	1/4	1,574.37	1/4	1,220.04	1/4	865.70	1/4	511.36	1/4	159.65	1/4		1/4	1/4	1/4	1/4	1/4
1/2	1/2	3,693.01	1/2	3,338.67	1/2	2,984.33	1/2	2,630.00	1/2	2,275.66	1/2	1,921.33	1/2	1,566.99	1/2	1,212.65	1/2	858.32	1/2	503.98	1/2	152.38	1/2		1/2	1/2	1/2	1/2	1/2
3/4	3/4	3,884.93	3/4	3,685.82	3/4	3,331.29	3/4	2,976.95	3/4	2,622.62	3/4	2,268.28	3/4	1,913.94	3/4	1,559.61	3/4	1,205.27	3/4	850.94	3/4	145.12	3/4		3/4	3/4	3/4	3/4	3/4
6	6	3,884.76	6	3,678.24	6	3,323.91	6	2,969.57	6	2,615.23	6	2,260.90	6	1,906.56	6	1,552.23	6	1,197.89	6	489.22	6	137.86	6		6		6		6
1/4	1/4	3,884.58	1/4	3,670.86	1/4	3,316.52	1/4	2,962.19	1/4	2,607.85	1/4	2,253.52	1/4	1,899.18	1/4	1,544.84	1/4	1,190.51	1/4	481.84	1/4	130.59	1/4		1/4	1/4	1/4	1/4	1/4
1/2	1/2	3,883.53	1/2	3,663.48	1/2	3,309.14	1/2	2,954.81	1/2	2,600.47	1/2	2,246.13	1/2	1,891.80	1/2	1,537.46	1/2	1,183.13	1/2	474.45	1/2	123.33	1/2		1/2	1/2	1/2	1/2	1/2
3/4	3/4	3,882.47	3/4	3,656.10	3/4	3,301.76	3/4	2,947.42	3/4	2,593.09	3/4	2,238.75	3/4	1,884.42	3/4	1,530.08	3/4	1,175.74	3/4	467.07	3/4	116.07	3/4		3/4	3/4	3/4	3/4	3/4
7	7	3,881.42	7	3,648.71	7	3,294.38	7	2,940.04	7	2,585.71	7	2,231.37	7	1,877.03	7	1,522.70	7	1,168.36	7	459.69	7	108.80	7		7		7		7
1/4	1/4	3,880.36	1/4	3,641.33	1/4	3,287.00	1/4	2,932.66	1/4	2,578.32	1/4	2,223.99	1/4	1,869.65	1/4	1,515.32	1/4	1,160.98	1/4	452.31	1/4	101.54	1/4		1/4	1/4	1/4	1/4	1/4
1/2	1/2	3,879.31	1/2	3,633.95	1/2	3,279.61	1/2	2,925.28	1/2	2,570.94	1/2	2,216.61	1/2	1,862.27	1/2	1,509.93	1/2	1,153.60	1/2	444.93	1/2	94.28	1/2		1/2	1/2	1/2	1/2	1/2
3/4	3/4	3,878.26	3/4	3,626.57	3/4	3,272.23	3/4	2,917.90	3/4	2,563.56	3/4	2,209.22	3/4	1,854.89	3/4	1,500.55	3/4	1,146.22	3/4	437.54	3/4	87.02	3/4		3/4	3/4	3/4	3/4	3/4
8	8	3,877.20	8	3,619.19	8	3,264.85	8	2,910.51	8	2,556.18	8	2,201.84	8	1,847.51	8	1,493.17	8	1,138.83	8	430.16	8	79.75	8		8		8		8
1/4	1/4	3,876.15	1/4	3,611.80	1/4	3,257.47	1/4	2,903.13	1/4	2,548.80	1/4	2,194.46	1/4	1,840.12	1/4	1,485.79	1/4	1,131.45	1/4	422.78	1/4	72.49	1/4		1/4	1/4	1/4	1/4	1/4
1/2	1/2	3,873.69	1/2	3,604.42	1/2	3,250.09	1/2	2,895.75	1/2	2,541.41	1/2	2,187.08	1/2	1,832.74	1/2	1,478.41	1/2	1,124.07	1/2	415.40	1/2	65.23	1/2		1/2	1/2	1/2	1/2	1/2
3/4	3/4	3,871.23	3/4	3,597.04	3/4	3,242.70	3/4	2,888.37	3/4	2,534.03	3/4	2,179.70	3/4	1,825.36	3/4	1,471.02	3/4	1,116.69	3/4	408.02	3/4	57.96	3/4		3/4	3/4	3/4	3/4	3/4
9	9	3,868.77	9	3,589.66	9	3,235.32	9	2,880.99	9	2,526.65	9	2,172.31	9	1,817.98	9	1,463.64	9	1,109.31	9	400.63	9	51.62	9		9		9		9
1/4	1/4	3,866.30	1/4	3,582.28	1/4	3,227.94	1/4	2,873.60	1/4	2,519.27	1/4	2,164.93	1/4	1,810.60	1/4	1,456.26	1/4	1,101.92	1										



# BARGE "MM-90" MAGNOLIA MARINE

## OUTAGE TABLE

3 PORT

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

HULL NO. 4464

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	3,948.96	0	3,610.35	0	3,244.98	0	2,879.60	0	2,514.22	0	2,148.85	0	1,783.47	0	1,418.10	0	1,052.72	0	687.34	0	322.09	0		0				
1/4		1/4	3,944.97	1/4	3,602.74	1/4	3,237.36	1/4	2,871.99	1/4	2,506.61	1/4	2,141.24	1/4	1,775.86	1/4	1,410.48	1/4	1,045.11	1/4	679.73	1/4	314.59	1/4		1/4				
1/2		1/2	3,939.53	1/2	3,595.13	1/2	3,229.75	1/2	2,864.38	1/2	2,499.00	1/2	2,133.62	1/2	1,768.25	1/2	1,402.87	1/2	1,037.50	1/2	672.12	1/2	307.10	1/2		1/2				
3/4		3/4	3,934.09	3/4	3,587.52	3/4	3,222.14	3/4	2,856.76	3/4	2,491.39	3/4	2,126.01	3/4	1,760.64	3/4	1,395.26	3/4	1,029.88	3/4	664.51	3/4	299.60	3/4		3/4				
1		1	3,928.65	1	3,579.90	1	3,214.53	1	2,849.15	1	2,483.78	1	2,118.40	1	1,753.02	1	1,387.65	1	1,022.27	1	656.90	1	292.11	1		1				
1/4		1/4	3,923.21	1/4	3,572.29	1/4	3,206.92	1/4	2,841.54	1/4	2,476.16	1/4	2,110.79	1/4	1,745.41	1/4	1,380.04	1/4	1,014.66	1/4	649.28	1/4	284.62	1/4		1/4				
1/2		1/2	3,917.77	1/2	3,564.68	1/2	3,199.30	1/2	2,833.93	1/2	2,468.55	1/2	2,103.18	1/2	1,737.80	1/2	1,372.42	1/2	1,007.05	1/2	641.67	1/2	277.12	1/2		1/2				
3/4		3/4	3,912.33	3/4	3,557.07	3/4	3,191.69	3/4	2,826.32	3/4	2,460.94	3/4	2,095.56	3/4	1,730.19	3/4	1,364.81	3/4	999.44	3/4	634.06	3/4	269.63	3/4		3/4				
2		2	3,906.89	2	3,549.46	2	3,184.08	2	2,818.70	2	2,453.33	2	2,087.95	2	1,722.58	2	1,357.20	2	991.82	2	626.45	2	262.13	2		2				
1/4		1/4	3,901.45	1/4	3,541.84	1/4	3,176.47	1/4	2,811.09	1/4	2,445.72	1/4	2,080.34	1/4	1,714.96	1/4	1,349.59	1/4	984.21	1/4	618.84	1/4	254.64	1/4		1/4				
1/2		1/2	3,894.56	1/2	3,534.23	1/2	3,168.86	1/2	2,803.48	1/2	2,438.10	1/2	2,072.73	1/2	1,707.35	1/2	1,341.98	1/2	976.60	1/2	611.22	1/2	247.15	1/2		1/2				
3/4		3/4	3,887.67	3/4	3,526.62	3/4	3,161.24	3/4	2,795.87	3/4	2,430.49	3/4	2,065.12	3/4	1,699.74	3/4	1,334.36	3/4	968.99	3/4	603.61	3/4	239.65	3/4		3/4				
3		3	3,880.78	3	3,519.01	3	3,153.63	3	2,788.26	3	2,422.88	3	2,057.50	3	1,692.13	3	1,326.75	3	961.38	3	596.00	3	232.16	3		3				
1/4		1/4	3,873.89	1/4	3,511.40	1/4	3,146.02	1/4	2,780.64	1/4	2,415.27	1/4	2,049.89	1/4	1,684.52	1/4	1,319.14	1/4	953.76	1/4	588.39	1/4	224.66	1/4		1/4				
1/2		1/2	3,867.00	1/2	3,503.78	1/2	3,138.41	1/2	2,773.03	1/2	2,407.66	1/2	2,042.28	1/2	1,676.90	1/2	1,311.53	1/2	946.15	1/2	580.78	1/2	217.17	1/2		1/2				
3/4		3/4	3,860.11	3/4	3,496.17	3/4	3,130.80	3/4	2,765.42	3/4	2,400.04	3/4	2,034.67	3/4	1,669.29	3/4	1,303.92	3/4	938.54	3/4	573.16	3/4	209.68	3/4		3/4				
4		4	3,853.22	4	3,488.56	4	3,123.18	4	2,757.81	4	2,392.43	4	2,027.06	4	1,661.68	4	1,296.30	4	930.93	4	565.55	4	202.18	4		4				
1/4		1/4	3,846.32	1/4	3,480.95	1/4	3,115.57	1/4	2,750.20	1/4	2,384.82	1/4	2,019.44	1/4	1,654.07	1/4	1,288.69	1/4	923.32	1/4	557.94	1/4	194.69	1/4		1/4				
1/2		1/2	3,838.71	1/2	3,473.34	1/2	3,107.96	1/2	2,742.58	1/2	2,377.21	1/2	2,011.83	1/2	1,646.46	1/2	1,281.08	1/2	915.70	1/2	550.33	1/2	187.19	1/2		1/2				
3/4		3/4	3,831.10	3/4	3,465.72	3/4	3,100.35	3/4	2,734.97	3/4	2,369.60	3/4	2,004.22	3/4	1,638.84	3/4	1,273.47	3/4	908.09	3/4	542.72	3/4	179.70	3/4		3/4				
5		5	3,823.49	5	3,458.11	5	3,092.74	5	2,727.36	5	2,361.98	5	1,996.61	5	1,631.23	5	1,265.86	5	900.48	5	535.10	5	172.21	5		5				
1/4		1/4	3,815.88	1/4	3,450.50	1/4	3,085.12	1/4	2,719.75	1/4	2,354.37	1/4	1,989.00	1/4	1,623.82	1/4	1,258.24	1/4	892.87	1/4	527.49	1/4	164.71	1/4		1/4				
1/2		1/2	3,808.26	1/2	3,442.89	1/2	3,077.51	1/2	2,712.14	1/2	2,346.76	1/2	1,981.38	1/2	1,616.01	1/2	1,250.63	1/2	885.26	1/2	519.88	1/2	157.22	1/2		1/2				
3/4	4,006.27	3/4	3,800.65	3/4	3,435.28	3/4	3,069.90	3/4	2,704.52	3/4	2,339.15	3/4	1,973.77	3/4	1,608.40	3/4	1,243.02	3/4	877.64	3/4	512.27	3/4	149.72	3/4		3/4				
6	4,006.09	6	3,793.04	6	3,427.66	6	3,062.29	6	2,696.91	6	2,331.54	6	1,966.16	6	1,600.78	6	1,235.41	6	870.03	6	504.66	6	142.23	6		6				
1/4	4,005.91	1/4	3,785.43	1/4	3,420.05	1/4	3,054.68	1/4	2,689.30	1/4	2,323.92	1/4	1,958.55	1/4	1,593.17	1/4	1,227.80	1/4	862.42	1/4	497.04	1/4	134.74	1/4		1/4				
1/2	4,004.82	1/2	3,777.82	1/2	3,412.44	1/2	3,047.06	1/2	2,681.69	1/2	2,316.31	1/2	1,950.94	1/2	1,585.56	1/2	1,220.18	1/2	854.81	1/2	489.43	1/2	127.24	1/2		1/2				
3/4	4,003.73	3/4	3,770.20	3/4	3,404.83	3/4	3,039.45	3/4	2,674.08	3/4	2,308.70	3/4	1,943.32	3/4	1,577.95	3/4	1,212.57	3/4	847.20	3/4	481.82	3/4	119.75	3/4		3/4				
7	4,002.64	7	3,762.59	7	3,397.22	7	3,031.84	7	2,666.46	7	2,301.09	7	1,935.71	7	1,570.34	7	1,204.96	7	839.58	7	474.21	7	112.25	7		7				
1/4	4,001.56	1/4	3,754.98	1/4	3,389.60	1/4	3,024.23	1/4	2,658.85	1/4	2,293.48	1/4	1,928.10	1/4	1,562.72	1/4	1,197.35	1/4	831.97	1/4	466.60	1/4	104.76	1/4		1/4				
1/2	4,000.47	1/2	3,747.37	1/2	3,381.99	1/2	3,016.62	1/2	2,651.24	1/2	2,285.86	1/2	1,920.49	1/2	1,555.11	1/2	1,189.74	1/2	824.36	1/2	458.98	1/2	97.27	1/2		1/2				
3/4	3,999.38	3/4	3,739.76	3/4	3,374.38	3/4	3,009.00	3/4	2,643.63	3/4	2,278.25	3/4	1,912.88	3/4	1,547.50	3/4	1,182.12	3/4	816.75	3/4	451.37	3/4	89.77	3/4		3/4				
8	3,998.29	8	3,732.14	8	3,366.77	8	3,001.39	8	2,636.02	8	2,270.64	8	1,905.26	8	1,539.89	8	1,174.51	8	809.14	8	443.76	8	82.28	8		8				
1/4	3,997.20	1/4	3,724.53	1/4	3,359.16	1/4	2,993.78	1/4	2,628.40	1/4	2,263.03	1/4	1,897.65	1/4	1,532.28	1/4	1,166.90	1/4	801.52	1/4	436.15	1/4	74.78	1/4		1/4				
1/2	3,994.67	1/2	3,716.92	1/2	3,351.54	1/2	2,986.17	1/2	2,620.79	1/2	2,255.42	1/2	1,890.04	1/2	1,524.66	1/2	1,159.29	1/2	793.91	1/2	428.54	1/2	67.29	1/2		1/2				
3/4	3,992.13	3/4	3,709.31	3/4	3,343.93	3/4	2,978.56	3/4	2,613.18	3/4	2,247.80	3/4	1,882.43	3/4	1,517.05	3/4	1,151.68	3/4	786.30	3/4	420.92	3/4	59.80	3/4		3/4				
9	3,989.59	9	3,701.70	9	3,336.32	9	2,970.94	9	2,605.57	9	2,240.19	9	1,874.82	9	1,509.44	9	1,144.06	9	778.69	9	413.31	9	53.25	9		9				
1/4	3,987.05	1/4	3,694.08	1/4	3,328.71	1/4	2,963.33	1/4	2,597.96	1/4	2,232.58	1/4	1,867.20	1/4	1,501.83	1/4	1,136.45	1/4	771.08	1/4	405.70	1/4	46.71	1/4		1/4				
1/2	3,984.51	1/2	3,686.47	1/2	3,321.10	1/2	2,955.72	1/2	2,590.34	1/2	2,224.97	1/2	1,859.59	1/2	1,494.22	1/2	1,128.84	1/2	763.46	1/2	398.09	1/2	40.17	1/2		1/2				
3/4	3,981.97	3/4	3,678.86	3/4	3,313.48	3/4	2,948.11	3/4	2,582.73	3/4	2,217.36	3/4	1,851.98	3/4	1,486.60	3/4	1,121.23	3/4	755.85	3/4	390.48	3/4	33.63	3/4		3/4				
10	3,979.43	10	3,671.25	10	3,305.87	10	2,940.50	10	2,575.12	10	2,209.74	10	1,844.37	10	1,478.99	10	1,113.62	10	748.24	10	382.86	10	28.99	10		10				
1/4	3,976.89	1/4	3,663.64	1/4	3,298.26	1/4	2,932.88	1/4	2,567.51	1/4	2,202.13	1/4	1,836.76	1/4	1,471.38	1/4	1,106.00	1/4	740.63	1/4	375.25	1/4	24.35	1/4		1/4				
1/2	3,972.90	1/2	3,656.02	1/2	3,290.65	1/2	2,925.27	1/2	2,559.90	1/2	2,194.52	1/2	1,8																	





# BARGE "MM-90" MAGNOLIA MARINE

## OUTAGE TABLE

3 STAR

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

HULL NO. 4464

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	3,952.95	0	3,617.96	0	3,252.59	0	2,887.21	0	2,521.84	0	2,156.46	0	1,791.08	0	1,425.71	0	1,060.33	0	694.96	0	329.58	0		0				
1/4	1/4	3,948.96	1/4	3,610.35	1/4	3,244.98	1/4	2,879.60	1/4	2,514.22	1/4	2,148.85	1/4	1,783.47	1/4	1,418.10	1/4	1,052.72	1/4	687.34	1/4	322.09	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	3,944.97	1/2	3,602.74	1/2	3,237.36	1/2	2,871.99	1/2	2,506.61	1/2	2,141.24	1/2	1,775.86	1/2	1,410.48	1/2	1,045.11	1/2	679.73	1/2	314.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3,939.53	3/4	3,595.13	3/4	3,229.75	3/4	2,864.38	3/4	2,499.00	3/4	2,133.62	3/4	1,768.25	3/4	1,402.87	3/4	1,037.50	3/4	672.12	3/4	307.10	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	3,934.09	1	3,587.52	1	3,222.14	1	2,856.76	1	2,491.39	1	2,126.01	1	1,760.64	1	1,395.26	1	1,029.88	1	664.51	1	299.60	1	1	1	1	1	1	1
1/4	1/4	3,928.65	1/4	3,579.90	1/4	3,214.53	1/4	2,849.15	1/4	2,483.78	1/4	2,118.40	1/4	1,753.02	1/4	1,387.65	1/4	1,022.27	1/4	656.90	1/4	292.11	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	3,923.21	1/2	3,572.29	1/2	3,206.92	1/2	2,841.54	1/2	2,476.16	1/2	2,110.79	1/2	1,745.41	1/2	1,380.04	1/2	1,014.66	1/2	649.28	1/2	284.62	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3,917.77	3/4	3,564.68	3/4	3,199.30	3/4	2,833.93	3/4	2,468.55	3/4	2,103.18	3/4	1,737.80	3/4	1,372.42	3/4	1,007.05	3/4	641.67	3/4	277.12	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	3,912.33	2	3,557.07	2	3,191.69	2	2,826.32	2	2,460.94	2	2,095.56	2	1,730.19	2	1,364.81	2	999.44	2	634.06	2	269.63	2	2	2	2	2	2	2
1/4	1/4	3,906.89	1/4	3,549.46	1/4	3,184.08	1/4	2,818.70	1/4	2,453.33	1/4	2,087.95	1/4	1,722.58	1/4	1,357.20	1/4	991.82	1/4	626.45	1/4	262.13	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	3,901.45	1/2	3,541.84	1/2	3,176.47	1/2	2,811.09	1/2	2,445.72	1/2	2,080.34	1/2	1,714.96	1/2	1,349.59	1/2	984.21	1/2	618.84	1/2	254.64	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3,894.56	3/4	3,534.23	3/4	3,168.86	3/4	2,803.48	3/4	2,438.10	3/4	2,072.73	3/4	1,707.35	3/4	1,341.98	3/4	976.60	3/4	611.22	3/4	247.15	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3,887.67	3	3,526.62	3	3,161.24	3	2,795.87	3	2,430.49	3	2,065.12	3	1,699.74	3	1,334.36	3	968.99	3	603.61	3	239.65	3	3	3	3	3	3	3
1/4	1/4	3,880.78	1/4	3,519.01	1/4	3,153.63	1/4	2,788.26	1/4	2,422.88	1/4	2,057.50	1/4	1,692.13	1/4	1,326.75	1/4	961.38	1/4	596.00	1/4	232.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	3,873.89	1/2	3,511.40	1/2	3,146.02	1/2	2,780.64	1/2	2,415.27	1/2	2,049.89	1/2	1,684.52	1/2	1,319.14	1/2	953.76	1/2	588.39	1/2	224.66	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3,867.00	3/4	3,503.78	3/4	3,138.41	3/4	2,773.03	3/4	2,407.66	3/4	2,042.28	3/4	1,676.90	3/4	1,311.53	3/4	946.15	3/4	580.78	3/4	217.17	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	3,860.11	4	3,496.17	4	3,130.80	4	2,765.42	4	2,400.04	4	2,034.67	4	1,669.29	4	1,303.92	4	938.54	4	573.16	4	209.68	4	4	4	4	4	4	4
1/4	1/4	3,853.22	1/4	3,488.56	1/4	3,123.18	1/4	2,757.81	1/4	2,392.43	1/4	2,027.06	1/4	1,661.68	1/4	1,296.30	1/4	930.93	1/4	565.55	1/4	202.18	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	3,846.32	1/2	3,480.95	1/2	3,115.57	1/2	2,750.20	1/2	2,384.82	1/2	2,019.44	1/2	1,654.07	1/2	1,288.69	1/2	923.32	1/2	557.94	1/2	194.69	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3,838.71	3/4	3,473.34	3/4	3,107.96	3/4	2,742.58	3/4	2,377.21	3/4	2,011.83	3/4	1,646.46	3/4	1,281.08	3/4	915.70	3/4	550.33	3/4	187.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	3,831.10	5	3,465.72	5	3,100.35	5	2,734.97	5	2,369.60	5	2,004.22	5	1,638.84	5	1,273.47	5	908.09	5	542.72	5	179.70	5	5	5	5	5	5	5
1/4	1/4	3,823.49	1/4	3,458.11	1/4	3,092.74	1/4	2,727.36	1/4	2,361.98	1/4	1,996.61	1/4	1,631.23	1/4	1,265.86	1/4	900.48	1/4	535.10	1/4	172.21	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	3,815.88	1/2	3,450.50	1/2	3,085.12	1/2	2,719.75	1/2	2,354.37	1/2	1,989.00	1/2	1,623.62	1/2	1,258.24	1/2	892.87	1/2	527.49	1/2	164.71	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3,808.26	3/4	3,442.89	3/4	3,077.51	3/4	2,712.14	3/4	2,346.76	3/4	1,981.38	3/4	1,616.01	3/4	1,250.63	3/4	885.26	3/4	519.88	3/4	157.22	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	4,006.27	6	3,800.65	6	3,435.28	6	3,069.90	6	2,704.52	6	2,339.15	6	1,973.77	6	1,608.40	6	1,243.02	6	877.64	6	149.72	6	6	6	6	6	6	6
1/4	1/4	4,006.09	1/4	3,793.04	1/4	3,427.66	1/4	3,062.29	1/4	2,696.91	1/4	2,331.54	1/4	1,966.16	1/4	1,600.78	1/4	1,235.41	1/4	870.63	1/4	142.23	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	4,005.91	1/2	3,785.43	1/2	3,420.05	1/2	3,054.68	1/2	2,689.30	1/2	2,323.92	1/2	1,958.55	1/2	1,593.17	1/2	1,227.80	1/2	862.42	1/2	134.74	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	4,004.82	3/4	3,777.82	3/4	3,412.44	3/4	3,047.06	3/4	2,681.69	3/4	2,316.31	3/4	1,950.94	3/4	1,585.56	3/4	1,220.18	3/4	854.81	3/4	127.24	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	4,003.73	7	3,770.20	7	3,404.83	7	3,039.45	7	2,674.08	7	2,308.70	7	1,943.32	7	1,577.95	7	1,212.57	7	847.20	7	119.75	7	7	7	7	7	7	7
1/4	1/4	4,002.64	1/4	3,762.59	1/4	3,397.22	1/4	3,031.84	1/4	2,666.46	1/4	2,301.09	1/4	1,935.71	1/4	1,570.34	1/4	1,204.96	1/4	839.58	1/4	112.25	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	4,001.56	1/2	3,754.98	1/2	3,389.60	1/2	3,024.23	1/2	2,658.85	1/2	2,293.48	1/2	1,928.10	1/2	1,562.72	1/2	1,197.35	1/2	831.97	1/2	104.76	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	4,000.47	3/4	3,747.37	3/4	3,381.99	3/4	3,016.62	3/4	2,651.24	3/4	2,285.86	3/4	1,920.49	3/4	1,555.11	3/4	1,189.74	3/4	824.36	3/4	97.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	3,999.38	8	3,739.76	8	3,374.38	8	3,009.00	8	2,643.63	8	2,278.25	8	1,912.88	8	1,547.50	8	1,182.12	8	816.75	8	89.77	8	8	8	8	8	8	8
1/4	1/4	3,998.29	1/4	3,732.14	1/4	3,366.77	1/4	3,001.39	1/4	2,636.02	1/4	2,270.64	1/4	1,905.26	1/4	1,539.89	1/4	1,174.51	1/4	809.14	1/4	82.28	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	3,997.20	1/2	3,724.53	1/2	3,359.16	1/2	2,993.78	1/2	2,628.40	1/2	2,263.03	1/2	1,897.65	1/2	1,532.28	1/2	1,166.90	1/2	801.52	1/2	74.78	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3,994.67	3/4	3,716.92	3/4	3,351.54	3/4	2,986.17	3/4	2,620.79	3/4	2,255.42	3/4	1,890.04	3/4	1,524.66	3/4	1,159.29	3/4	793.91	3/4	67.29	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	3,992.13	9	3,709.31	9	3,343.93	9	2,978.56	9	2,613.18	9	2,247.80	9	1,882.43	9	1,517.05	9	1,151.68	9	786.30	9	59.80	9	9	9	9	9	9	9
1/4	1/4	3,989.59	1/4	3,701.70	1/4	3,336.32	1/4	2,970.94	1/4	2,605.57	1/4	2,240.19	1/4	1,874.82	1/4	1,509.44	1/4	1,144.06	1/4	778.69	1/4	53.25	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	3,987.05	1/2	3,694.08	1/2	3,328.71	1/2	2,963.33	1/2	2,597.96	1/2	2,232.58	1/2	1,867.20	1/2	1,501.83	1/2	1,136.45	1/2	771.08	1/2	46.71	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3,984.51	3/4	3,686.47	3/4	3,321.10	3/4	2,955.72	3/4	2,590.34	3/4	2,224.97	3/4	1,859.59	3/4	1,494.22	3/4	1,128.84	3/4	763.46	3/4	40.17	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	3,981.97	10	3,678.86	10	3,313.48	10	2,948.11	10	2,582.73	10	2,217.36	10	1,851.98	10	1,486.60	10	1,121.23	10	755.85	10	33.63	10	10	10	10	10	10	10
1/4	1/																												