



# BARGE "MM 87B" MAGNOLIA MARINE

## OUTAGE TABLE

# 1 PORT

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

HULL NO. 4507

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	4,251.70	0	3,897.40	0	3,506.68	0	3,115.82	0	2,723.81	0	2,331.79	0	1,939.77	0	1,547.76	0	1,155.74	0	763.73	0	378.21	0		0			
1/4		1/4	4,246.98	1/4	3,889.26	1/4	3,498.54	1/4	3,107.66	1/4	2,715.64	1/4	2,323.62	1/4	1,931.61	1/4	1,539.59	1/4	1,147.58	1/4	755.56	1/4	370.04	1/4		1/4			
1/2		1/2	4,242.27	1/2	3,881.12	1/2	3,490.40	1/2	3,099.49	1/2	2,707.47	1/2	2,315.46	1/2	1,923.44	1/2	1,531.42	1/2	1,139.41	1/2	747.39	1/2	361.87	1/2		1/2			
3/4		3/4	4,237.55	3/4	3,872.98	3/4	3,482.26	3/4	3,091.32	3/4	2,699.31	3/4	2,307.29	3/4	1,915.27	3/4	1,523.26	3/4	1,131.24	3/4	739.23	3/4	353.71	3/4		3/4			
1		1	4,232.27	1	3,864.84	1	3,474.12	1	3,083.15	1	2,691.14	1	2,299.12	1	1,907.11	1	1,515.09	1	1,123.07	1	731.06	1	345.54	1		1			
1/4		1/4	4,226.99	1/4	3,856.70	1/4	3,465.98	1/4	3,074.99	1/4	2,682.97	1/4	2,290.96	1/4	1,898.94	1/4	1,506.92	1/4	1,114.91	1/4	722.89	1/4	337.37	1/4		1/4			
1/2		1/2	4,221.71	1/2	3,848.56	1/2	3,457.84	1/2	3,066.82	1/2	2,674.80	1/2	2,282.79	1/2	1,890.77	1/2	1,498.76	1/2	1,106.74	1/2	714.72	1/2	329.20	1/2		1/2			
3/4		3/4	4,216.43	3/4	3,840.42	3/4	3,449.70	3/4	3,058.65	3/4	2,666.64	3/4	2,274.62	3/4	1,882.61	3/4	1,490.59	3/4	1,098.57	3/4	706.56	3/4	321.04	3/4		3/4			
2		2	4,210.33	2	3,832.28	2	3,441.56	2	3,050.49	2	2,658.47	2	2,266.45	2	1,874.44	2	1,482.42	2	1,090.41	2	698.39	2	312.87	2		2			
1/4		1/4	4,204.23	1/4	3,824.14	1/4	3,433.42	1/4	3,042.32	1/4	2,650.30	1/4	2,258.29	1/4	1,866.27	1/4	1,474.26	1/4	1,082.24	1/4	690.22	1/4	304.70	1/4		1/4			
1/2		1/2	4,198.14	1/2	3,816.00	1/2	3,425.28	1/2	3,034.15	1/2	2,642.14	1/2	2,250.12	1/2	1,858.10	1/2	1,466.09	1/2	1,074.07	1/2	682.06	1/2	296.54	1/2		1/2			
3/4		3/4	4,192.04	3/4	3,807.86	3/4	3,417.14	3/4	3,025.99	3/4	2,633.97	3/4	2,241.95	3/4	1,849.94	3/4	1,457.92	3/4	1,065.91	3/4	673.89	3/4	288.37	3/4		3/4			
3		3	4,185.12	3	3,799.72	3	3,409.00	3	3,017.82	3	2,625.80	3	2,233.79	3	1,841.77	3	1,449.75	3	1,057.74	3	665.72	3	280.20	3		3			
1/4		1/4	4,178.21	1/4	3,791.58	1/4	3,400.86	1/4	3,009.65	1/4	2,617.64	1/4	2,225.62	1/4	1,833.60	1/4	1,441.59	1/4	1,049.57	1/4	657.56	1/4	272.04	1/4		1/4			
1/2		1/2	4,171.30	1/2	3,783.44	1/2	3,392.72	1/2	3,001.48	1/2	2,609.47	1/2	2,217.45	1/2	1,825.44	1/2	1,433.42	1/2	1,041.40	1/2	649.39	1/2	263.87	1/2		1/2			
3/4		3/4	4,164.38	3/4	3,775.30	3/4	3,384.58	3/4	2,993.32	3/4	2,601.30	3/4	2,209.29	3/4	1,817.27	3/4	1,425.25	3/4	1,033.24	3/4	641.22	3/4	255.70	3/4		3/4			
4		4	4,156.65	4	3,767.16	4	3,376.44	4	2,985.15	4	2,593.13	4	2,201.12	4	1,809.10	4	1,417.09	4	1,025.07	4	633.05	4	247.53	4		4			
1/4		1/4	4,148.92	1/4	3,759.02	1/4	3,368.30	1/4	2,976.98	1/4	2,584.97	1/4	2,192.95	1/4	1,800.94	1/4	1,408.92	1/4	1,016.90	1/4	624.89	1/4	239.37	1/4		1/4			
1/2		1/2	4,141.19	1/2	3,750.88	1/2	3,360.16	1/2	2,968.82	1/2	2,576.80	1/2	2,184.78	1/2	1,792.77	1/2	1,400.75	1/2	1,008.74	1/2	616.72	1/2	231.20	1/2		1/2			
3/4		3/4	4,133.46	3/4	3,742.74	3/4	3,352.02	3/4	2,960.65	3/4	2,568.63	3/4	2,176.62	3/4	1,784.60	3/4	1,392.59	3/4	1,000.57	3/4	608.55	3/4	223.03	3/4		3/4			
5		5	4,125.32	5	3,734.60	5	3,343.88	5	2,952.48	5	2,560.47	5	2,168.45	5	1,776.43	5	1,384.42	5	992.40	5	600.39	5	214.87	5		5			
1/4		1/4	4,117.18	1/4	3,726.46	1/4	3,335.74	1/4	2,944.32	1/4	2,552.30	1/4	2,160.28	1/4	1,768.27	1/4	1,376.25	1/4	984.24	1/4	592.22	1/4	206.70	1/4		1/4			
1/2		1/2	4,109.04	1/2	3,718.32	1/2	3,327.60	1/2	2,936.15	1/2	2,544.13	1/2	2,152.12	1/2	1,760.10	1/2	1,368.08	1/2	976.07	1/2	584.05	1/2	198.53	1/2		1/2			
3/4		3/4	4,100.90	3/4	3,710.18	3/4	3,319.46	3/4	2,927.98	3/4	2,535.97	3/4	2,143.95	3/4	1,751.93	3/4	1,359.92	3/4	967.90	3/4	575.89	3/4	190.37	3/4		3/4			
6		6	4,092.76	6	3,702.04	6	3,311.32	6	2,919.81	6	2,527.80	6	2,135.78	6	1,743.77	6	1,351.75	6	959.73	6	568.53	6	182.20	6		6			
1/4		1/4	4,084.62	1/4	3,693.90	1/4	3,303.18	1/4	2,911.65	1/4	2,519.63	1/4	2,127.62	1/4	1,735.60	1/4	1,343.58	1/4	951.57	1/4	561.18	1/4	174.03	1/4		1/4			
1/2		1/2	4,076.48	1/2	3,685.76	1/2	3,295.04	1/2	2,903.48	1/2	2,511.46	1/2	2,119.45	1/2	1,727.43	1/2	1,335.42	1/2	943.40	1/2	553.82	1/2	165.86	1/2		1/2			
3/4		3/4	4,296.70	3/4	4,068.34	3/4	3,677.62	3/4	3,286.90	3/4	2,895.31	3/4	2,503.30	3/4	2,111.28	3/4	1,719.27	3/4	935.23	3/4	546.47	3/4	157.70	3/4		3/4			
7		7	4,296.32	7	4,060.20	7	3,669.48	7	3,278.76	7	2,887.15	7	2,495.13	7	2,103.11	7	1,711.10	7	927.07	7	539.11	7	149.53	7		7			
1/4		1/4	4,295.94	1/4	4,052.06	1/4	3,661.34	1/4	3,270.62	1/4	2,878.98	1/4	2,486.96	1/4	2,094.95	1/4	1,702.93	1/4	918.90	1/4	531.76	1/4	141.36	1/4		1/4			
1/2		1/2	4,295.55	1/2	4,043.92	1/2	3,653.20	1/2	3,262.48	1/2	2,870.81	1/2	2,478.80	1/2	2,086.78	1/2	1,694.96	1/2	910.73	1/2	524.40	1/2	133.20	1/2		1/2			
3/4		3/4	4,295.17	3/4	4,035.78	3/4	3,645.06	3/4	3,254.34	3/4	2,862.65	3/4	2,470.63	3/4	2,078.61	3/4	1,686.60	3/4	902.57	3/4	517.05	3/4	125.03	3/4		3/4			
8		8	4,293.98	8	4,027.64	8	3,636.92	8	3,246.20	8	2,854.48	8	2,462.46	8	2,070.45	8	1,678.43	8	894.40	8	508.88	8	117.67	8		8			
1/4		1/4	4,292.78	1/4	4,019.50	1/4	3,628.78	1/4	3,238.06	1/4	2,846.31	1/4	2,454.30	1/4	2,062.28	1/4	1,670.26	1/4	886.23	1/4	500.71	1/4	110.32	1/4		1/4			
1/2		1/2	4,291.58	1/2	4,011.36	1/2	3,620.64	1/2	3,229.92	1/2	2,838.14	1/2	2,446.13	1/2	2,054.11	1/2	1,662.10	1/2	878.06	1/2	492.54	1/2	102.96	1/2		1/2			
3/4		3/4	4,290.38	3/4	4,003.22	3/4	3,612.50	3/4	3,221.78	3/4	2,829.98	3/4	2,437.96	3/4	2,045.95	3/4	1,653.93	3/4	869.90	3/4	484.38	3/4	95.61	3/4		3/4			
9		9	4,288.37	9	3,995.08	9	3,604.36	9	3,213.64	9	2,821.81	9	2,429.79	9	2,037.78	9	1,645.76	9	861.73	9	476.21	9	88.25	9		9			
1/4		1/4	4,286.35	1/4	3,986.94	1/4	3,596.22	1/4	3,205.50	1/4	2,813.64	1/4	2,421.63	1/4	2,029.61	1/4	1,637.60	1/4	853.56	1/4	468.04	1/4	80.90	1/4		1/4			
1/2		1/2	4,284.34	1/2	3,978.80	1/2	3,588.08	1/2	3,197.36	1/2	2,805.48	1/2	2,413.46	1/2	2,021.44	1/2	1,629.43	1/2	845.40	1/2	459.88	1/2	73.54	1/2		1/2			
3/4		3/4	4,282.33	3/4	3,970.66	3/4	3,579.94	3/4	3,189.22	3/4	2,797.31	3/4	2,405.29	3/4	2,013.28	3/4	1,621.26	3/4	837.23	3/4	451.71	3/4	66.19	3/4		3/4			
10		10	4,279.50	10	3,962.52	10	3,571.80	10	3,181.08	10	2,789.14	10	2,397.13	10	2,005.11	10	1,613.09	10	829.06	10	443.54	10	59.04	10		10			
1/4		1/4	4,276.67	1/4	3,954.38	1/4	3,563.66	1/4	3,172.94	1/4	2,780.98	1/4	2,388.96	1/4	1,996.94	1/4	1,604.93	1/4	820.90	1/4	435.38	1/4	51.90	1/4		1/4			
1/2		1/2	4,273.84	1/2	3,946.24	1/2	3,555.52	1/2	3,164.80	1/2	2,772.81	1/2	2,380.79	1/2	1,988.78	1/2	1,596.76	1/2	812.73	1/2	427.21	1/2	44.75	1/2		1/2			



# BARGE "MM 87B" MAGNOLIA MARINE

## OUTAGE TABLE

# 1 STAR

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

HULL NO. 4507

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	4,256.41	0	3,905.54	0	3,514.82	0	3,123.99	0	2,731.97	0	2,339.96	0	1,947.94	0	1,555.93	0	1,163.91	0	771.89	0	386.37	0	17.19	0	0	0	0	0	
1/4	1/4	4,251.70	1/4	3,897.40	1/4	3,506.68	1/4	3,115.82	1/4	2,723.81	1/4	2,331.79	1/4	1,939.77	1/4	1,547.76	1/4	1,155.74	1/4	763.73	1/4	378.21	1/4	17.19	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	4,246.98	1/2	3,889.26	1/2	3,498.54	1/2	3,107.66	1/2	2,715.64	1/2	2,323.62	1/2	1,931.61	1/2	1,539.59	1/2	1,147.58	1/2	755.56	1/2	370.04	1/2	17.19	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	4,242.27	3/4	3,881.12	3/4	3,490.40	3/4	3,099.49	3/4	2,707.47	3/4	2,315.46	3/4	1,923.44	3/4	1,531.42	3/4	1,139.41	3/4	747.39	3/4	361.87	3/4	17.19	3/4	3/4	3/4	3/4	3/4	
1	1	4,237.55	1	3,872.98	1	3,482.26	1	3,091.32	1	2,699.31	1	2,307.29	1	1,915.27	1	1,523.26	1	1,131.24	1	739.23	1	353.71	1	17.19	1	1	1	1	1	
1/4	1/4	4,232.27	1/4	3,864.84	1/4	3,474.12	1/4	3,083.15	1/4	2,691.14	1/4	2,299.12	1/4	1,907.11	1/4	1,515.09	1/4	1,123.07	1/4	731.06	1/4	345.54	1/4	17.19	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	4,226.99	1/2	3,856.70	1/2	3,465.98	1/2	3,074.99	1/2	2,682.97	1/2	2,290.96	1/2	1,898.94	1/2	1,506.92	1/2	1,114.91	1/2	722.89	1/2	337.37	1/2	17.19	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	4,221.71	3/4	3,848.56	3/4	3,457.84	3/4	3,066.82	3/4	2,674.80	3/4	2,282.79	3/4	1,890.77	3/4	1,498.76	3/4	1,106.74	3/4	714.72	3/4	329.20	3/4	17.19	3/4	3/4	3/4	3/4	3/4	
2	2	4,216.43	2	3,840.42	2	3,449.70	2	3,058.65	2	2,666.64	2	2,274.62	2	1,882.61	2	1,490.59	2	1,098.57	2	706.56	2	321.04	2	17.19	2	2	2	2	2	
1/4	1/4	4,210.33	1/4	3,832.28	1/4	3,441.56	1/4	3,050.49	1/4	2,658.47	1/4	2,266.45	1/4	1,874.44	1/4	1,482.42	1/4	1,090.41	1/4	698.39	1/4	312.87	1/4	17.19	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	4,204.23	1/2	3,824.14	1/2	3,433.42	1/2	3,042.32	1/2	2,650.30	1/2	2,258.29	1/2	1,866.27	1/2	1,474.26	1/2	1,082.24	1/2	690.22	1/2	304.70	1/2	17.19	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	4,198.14	3/4	3,816.00	3/4	3,425.28	3/4	3,034.15	3/4	2,642.14	3/4	2,250.12	3/4	1,858.10	3/4	1,466.09	3/4	1,074.07	3/4	682.06	3/4	296.54	3/4	17.19	3/4	3/4	3/4	3/4	3/4	
3	3	4,192.04	3	3,807.86	3	3,417.14	3	3,025.99	3	2,633.97	3	2,241.95	3	1,849.94	3	1,457.92	3	1,065.91	3	673.89	3	288.37	3	17.19	3	3	3	3	3	
1/4	1/4	4,185.12	1/4	3,799.72	1/4	3,409.00	1/4	3,017.82	1/4	2,625.80	1/4	2,233.79	1/4	1,841.77	1/4	1,449.75	1/4	1,057.74	1/4	665.72	1/4	280.20	1/4	17.19	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	4,178.21	1/2	3,791.58	1/2	3,400.86	1/2	3,009.65	1/2	2,617.64	1/2	2,225.62	1/2	1,833.60	1/2	1,441.59	1/2	1,049.57	1/2	657.56	1/2	272.04	1/2	17.19	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	4,171.30	3/4	3,783.44	3/4	3,392.72	3/4	3,001.48	3/4	2,609.47	3/4	2,217.45	3/4	1,825.44	3/4	1,433.42	3/4	1,041.40	3/4	649.39	3/4	263.87	3/4	17.19	3/4	3/4	3/4	3/4	3/4	
4	4	4,164.38	4	3,775.30	4	3,384.58	4	2,993.32	4	2,601.30	4	2,209.29	4	1,817.27	4	1,425.25	4	1,033.24	4	641.22	4	255.70	4	17.19	4	4	4	4	4	
1/4	1/4	4,156.65	1/4	3,767.16	1/4	3,376.44	1/4	2,985.15	1/4	2,593.13	1/4	2,201.12	1/4	1,809.10	1/4	1,417.09	1/4	1,025.07	1/4	633.05	1/4	247.53	1/4	17.19	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	4,148.92	1/2	3,759.02	1/2	3,368.30	1/2	2,976.98	1/2	2,584.97	1/2	2,192.95	1/2	1,800.94	1/2	1,408.92	1/2	1,016.90	1/2	624.89	1/2	239.37	1/2	17.19	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	4,141.19	3/4	3,750.88	3/4	3,360.16	3/4	2,968.82	3/4	2,576.80	3/4	2,184.78	3/4	1,792.77	3/4	1,400.75	3/4	1,008.74	3/4	616.72	3/4	231.20	3/4	17.19	3/4	3/4	3/4	3/4	3/4	
5	5	4,133.46	5	3,742.74	5	3,352.02	5	2,960.65	5	2,568.63	5	2,176.62	5	1,784.60	5	1,392.59	5	1,000.57	5	608.55	5	223.03	5	17.19	5	5	5	5	5	
1/4	1/4	4,125.32	1/4	3,734.60	1/4	3,343.88	1/4	2,952.48	1/4	2,560.47	1/4	2,168.45	1/4	1,776.43	1/4	1,384.42	1/4	992.40	1/4	600.39	1/4	214.87	1/4	17.19	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	4,117.18	1/2	3,726.46	1/2	3,335.74	1/2	2,944.32	1/2	2,552.30	1/2	2,160.28	1/2	1,768.27	1/2	1,376.25	1/2	984.24	1/2	592.22	1/2	206.70	1/2	17.19	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	4,109.04	3/4	3,718.32	3/4	3,327.60	3/4	2,936.15	3/4	2,544.13	3/4	2,152.12	3/4	1,760.10	3/4	1,368.08	3/4	976.07	3/4	584.05	3/4	198.53	3/4	17.19	3/4	3/4	3/4	3/4	3/4	
6	6	4,100.90	6	3,710.18	6	3,319.46	6	2,927.98	6	2,535.97	6	2,143.95	6	1,751.93	6	1,359.92	6	967.90	6	575.89	6	190.37	6	17.19	6	6	6	6	6	
1/4	1/4	4,092.76	1/4	3,702.04	1/4	3,311.32	1/4	2,919.81	1/4	2,527.80	1/4	2,135.78	1/4	1,743.77	1/4	1,351.75	1/4	959.73	1/4	568.53	1/4	182.20	1/4	17.19	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	4,084.62	1/2	3,693.90	1/2	3,303.18	1/2	2,911.65	1/2	2,519.63	1/2	2,127.62	1/2	1,735.60	1/2	1,343.58	1/2	951.57	1/2	561.18	1/2	174.03	1/2	17.19	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	4,076.48	3/4	3,685.76	3/4	3,295.04	3/4	2,903.48	3/4	2,511.46	3/4	2,119.45	3/4	1,727.43	3/4	1,335.42	3/4	943.40	3/4	553.82	3/4	165.86	3/4	17.19	3/4	3/4	3/4	3/4	3/4	
7	4,296.70	7	4,068.34	7	3,677.62	7	3,286.90	7	2,895.31	7	2,503.30	7	2,111.28	7	1,719.27	7	1,327.25	7	935.23	7	546.47	7	157.70	7	17.19	7	7	7	7	7
1/4	1/4	4,296.32	1/4	4,060.20	1/4	3,669.48	1/4	3,278.76	1/4	2,887.15	1/4	2,495.13	1/4	2,103.11	1/4	1,711.10	1/4	1,319.08	1/4	927.07	1/4	539.11	1/4	17.19	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	4,295.94	1/2	4,052.06	1/2	3,661.34	1/2	3,270.62	1/2	2,878.98	1/2	2,486.96	1/2	2,094.95	1/2	1,702.93	1/2	1,310.92	1/2	918.90	1/2	531.76	1/2	17.19	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	4,295.55	3/4	4,043.92	3/4	3,653.20	3/4	3,262.48	3/4	2,870.81	3/4	2,478.80	3/4	2,086.78	3/4	1,694.76	3/4	1,302.75	3/4	910.73	3/4	524.40	3/4	17.19	3/4	3/4	3/4	3/4	3/4	
8	4,295.17	8	4,035.78	8	3,645.06	8	3,254.34	8	2,862.65	8	2,470.63	8	2,078.61	8	1,686.60	8	1,294.58	8	902.57	8	517.05	8	125.03	8	17.19	8	8	8	8	8
1/4	1/4	4,293.98	1/4	4,027.64	1/4	3,636.92	1/4	3,246.20	1/4	2,854.48	1/4	2,462.46	1/4	2,070.45	1/4	1,678.43	1/4	1,286.41	1/4	894.40	1/4	508.88	1/4	17.19	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	4,292.78	1/2	4,019.50	1/2	3,628.78	1/2	3,238.06	1/2	2,846.31	1/2	2,454.30	1/2	2,062.28	1/2	1,670.26	1/2	1,278.25	1/2	886.23	1/2	500.71	1/2	17.19	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	4,291.58	3/4	4,011.36	3/4	3,620.64	3/4	3,229.92	3/4	2,838.14	3/4	2,446.13	3/4	2,054.11	3/4	1,662.10	3/4	1,270.08	3/4	878.06	3/4	492.54	3/4	17.19	3/4	3/4	3/4	3/4	3/4	
9	4,290.38	9	4,003.22	9	3,612.50	9	3,221.78	9	2,829.98	9	2,437.96	9	2,045.95	9	1,653.93	9	1,261.91	9	869.90	9	484.38	9	95.61	9	17.19	9	9	9	9	9
1/4	1/4	4,288.37	1/4	3,995.08	1/4	3,604.36	1/4	3,213.64	1/4	2,821.81	1/4	2,429.79	1/4	2,037.78	1/4	1,645.76	1/4	1,253.75	1/4	861.73	1/4	476.21	1/4	17.19	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	4,286.35	1/2	3,986.94	1/2	3,596.22	1/2	3,205.50	1/2	2,813.64	1/2	2,421.63	1/2	2,029.61	1/2	1,637.60	1/2	1,245.58	1/2	853.56	1/2	468.04	1/2	17.19	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	4,284.34	3/4	3,978.80	3/4	3,588.08	3/4	3,197.36	3/4	2,805.48	3/4	2,413.46	3/4	2,021.44	3/4	1,629.43	3/4	1,237.41	3/4	845.40	3/4	459.88	3/4	17.19	3/4	3/4	3/4	3/4	3/4	
10	4,282.33	10	3,970.66	10	3,579.94	10	3,189.22	10	2,797.31	10	2,405.29																			

# BARGE "MM 87B" MAGNOLIA MARINE

## OUTAGE TABLE

# 2 PORT



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

HULL NO. 4507

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	4,510.33	0	4,135.91	0	3,722.15	0	3,308.11	0	2,891.67	0	2,475.22	0	2,058.77	0	1,642.32	0	1,225.87	0	809.43	0	400.52	0		0		0	
1/4		1/4	4,505.60	1/4	4,127.29	1/4	3,713.53	1/4	3,299.44	1/4	2,882.99	1/4	2,466.54	1/4	2,050.09	1/4	1,633.65	1/4	1,217.20	1/4	800.75	1/4	391.87	1/4		1/4		1/4	
1/2		1/2	4,500.87	1/2	4,118.67	1/2	3,704.91	1/2	3,290.76	1/2	2,874.31	1/2	2,457.87	1/2	2,041.42	1/2	1,624.97	1/2	1,208.52	1/2	792.07	1/2	383.22	1/2		1/2		1/2	
3/4		3/4	4,496.15	3/4	4,110.05	3/4	3,696.29	3/4	3,282.09	3/4	2,865.64	3/4	2,449.19	3/4	2,032.74	3/4	1,616.29	3/4	1,199.85	3/4	783.40	3/4	374.57	3/4		3/4		3/4	
1		1	4,490.55	1	4,101.43	1	3,687.67	1	3,273.41	1	2,856.96	1	2,440.51	1	2,024.07	1	1,607.62	1	1,191.17	1	774.72	1	365.92	1		1		1	
1/4		1/4	4,484.96	1/4	4,092.81	1/4	3,679.05	1/4	3,264.73	1/4	2,848.29	1/4	2,431.84	1/4	2,015.39	1/4	1,598.94	1/4	1,182.49	1/4	766.05	1/4	357.27	1/4		1/4		1/4	
1/2		1/2	4,479.37	1/2	4,084.19	1/2	3,670.43	1/2	3,256.06	1/2	2,839.61	1/2	2,423.16	1/2	2,006.71	1/2	1,590.27	1/2	1,173.82	1/2	757.37	1/2	348.62	1/2		1/2		1/2	
3/4		3/4	4,473.77	3/4	4,075.57	3/4	3,661.81	3/4	3,247.38	3/4	2,830.93	3/4	2,414.49	3/4	1,998.04	3/4	1,581.59	3/4	1,165.14	3/4	748.69	3/4	339.97	3/4		3/4		3/4	
2		2	4,467.31	2	4,066.95	2	3,653.19	2	3,238.71	2	2,822.26	2	2,405.81	2	1,989.36	2	1,572.91	2	1,156.47	2	740.02	2	331.32	2		2		2	
1/4		1/4	4,460.86	1/4	4,058.33	1/4	3,644.57	1/4	3,230.03	1/4	2,813.58	1/4	2,397.13	1/4	1,980.69	1/4	1,564.24	1/4	1,147.79	1/4	731.34	1/4	322.67	1/4		1/4		1/4	
1/2		1/2	4,454.40	1/2	4,049.71	1/2	3,635.95	1/2	3,221.35	1/2	2,804.91	1/2	2,388.46	1/2	1,972.01	1/2	1,555.56	1/2	1,139.11	1/2	722.67	1/2	314.02	1/2		1/2		1/2	
3/4		3/4	4,447.94	3/4	4,041.09	3/4	3,627.33	3/4	3,212.68	3/4	2,796.23	3/4	2,379.78	3/4	1,963.33	3/4	1,546.89	3/4	1,130.44	3/4	713.99	3/4	305.37	3/4		3/4		3/4	
3		3	4,440.61	3	4,032.47	3	3,618.71	3	3,204.00	3	2,787.55	3	2,371.11	3	1,954.66	3	1,538.21	3	1,121.76	3	705.31	3	296.72	3		3		3	
1/4		1/4	4,433.29	1/4	4,023.85	1/4	3,610.09	1/4	3,195.33	1/4	2,778.88	1/4	2,362.43	1/4	1,945.98	1/4	1,529.53	1/4	1,113.09	1/4	696.64	1/4	288.07	1/4		1/4		1/4	
1/2		1/2	4,425.97	1/2	4,015.23	1/2	3,601.47	1/2	3,186.65	1/2	2,770.20	1/2	2,353.75	1/2	1,937.31	1/2	1,520.86	1/2	1,104.41	1/2	687.96	1/2	279.42	1/2		1/2		1/2	
3/4		3/4	4,418.65	3/4	4,006.61	3/4	3,592.85	3/4	3,177.97	3/4	2,761.53	3/4	2,345.08	3/4	1,928.63	3/4	1,512.18	3/4	1,095.73	3/4	679.29	3/4	270.77	3/4		3/4		3/4	
4		4	4,410.46	4	3,997.99	4	3,584.23	4	3,169.30	4	2,752.85	4	2,336.40	4	1,919.95	4	1,503.51	4	1,087.06	4	670.61	4	262.12	4		4		4	
1/4		1/4	4,402.27	1/4	3,989.37	1/4	3,575.61	1/4	3,160.62	1/4	2,744.17	1/4	2,327.73	1/4	1,911.28	1/4	1,494.83	1/4	1,078.38	1/4	661.93	1/4	253.47	1/4		1/4		1/4	
1/2		1/2	4,394.08	1/2	3,980.75	1/2	3,566.99	1/2	3,151.95	1/2	2,735.50	1/2	2,319.05	1/2	1,902.60	1/2	1,486.15	1/2	1,069.71	1/2	653.26	1/2	244.82	1/2		1/2		1/2	
3/4		3/4	4,385.89	3/4	3,972.13	3/4	3,558.37	3/4	3,143.27	3/4	2,726.82	3/4	2,310.37	3/4	1,893.93	3/4	1,477.48	3/4	1,061.03	3/4	644.58	3/4	236.17	3/4		3/4		3/4	
5		5	4,377.27	5	3,963.51	5	3,549.75	5	3,134.59	5	2,718.15	5	2,301.70	5	1,885.25	5	1,468.80	5	1,052.35	5	635.91	5	227.52	5		5		5	
1/4		1/4	4,368.65	1/4	3,954.89	1/4	3,541.13	1/4	3,125.92	1/4	2,709.47	1/4	2,293.02	1/4	1,876.57	1/4	1,460.13	1/4	1,043.68	1/4	627.23	1/4	218.87	1/4		1/4		1/4	
1/2		1/2	4,360.03	1/2	3,946.27	1/2	3,532.51	1/2	3,117.24	1/2	2,700.79	1/2	2,284.35	1/2	1,867.90	1/2	1,451.45	1/2	1,035.00	1/2	618.55	1/2	210.22	1/2		1/2		1/2	
3/4		3/4	4,351.41	3/4	3,937.65	3/4	3,523.89	3/4	3,108.57	3/4	2,692.12	3/4	2,275.67	3/4	1,859.22	3/4	1,442.77	3/4	1,026.33	3/4	609.88	3/4	201.57	3/4		3/4		3/4	
6		6	4,342.79	6	3,929.03	6	3,515.27	6	3,099.89	6	2,683.44	6	2,266.99	6	1,850.55	6	1,434.10	6	1,017.65	6	602.09	6	192.92	6		6		6	
1/4		1/4	4,334.17	1/4	3,920.41	1/4	3,506.65	1/4	3,091.21	1/4	2,674.77	1/4	2,258.32	1/4	1,841.87	1/4	1,425.42	1/4	1,008.97	1/4	594.30	1/4	184.27	1/4		1/4		1/4	
1/2		1/2	4,325.55	1/2	3,911.79	1/2	3,498.03	1/2	3,082.54	1/2	2,666.09	1/2	2,249.64	1/2	1,833.19	1/2	1,416.75	1/2	1,000.30	1/2	586.51	1/2	175.62	1/2		1/2		1/2	
3/4	4,557.72	3/4	4,316.93	3/4	3,903.17	3/4	3,489.41	3/4	3,073.86	3/4	2,657.41	3/4	2,240.97	3/4	1,824.52	3/4	1,408.07	3/4	991.62	3/4	578.72	3/4	166.97	3/4		3/4		3/4	
7	4,557.32	7	4,308.31	7	3,894.55	7	3,480.79	7	3,065.19	7	2,648.74	7	2,232.29	7	1,815.84	7	1,399.39	7	982.95	7	570.93	7	158.32	7		7		7	
1/4	4,556.91	1/4	4,299.69	1/4	3,885.93	1/4	3,472.17	1/4	3,056.51	1/4	2,640.06	1/4	2,223.61	1/4	1,807.17	1/4	1,390.72	1/4	974.27	1/4	563.14	1/4	149.67	1/4		1/4		1/4	
1/2	4,556.51	1/2	4,291.07	1/2	3,877.31	1/2	3,463.55	1/2	3,047.83	1/2	2,631.39	1/2	2,214.94	1/2	1,798.49	1/2	1,382.04	1/2	965.59	1/2	555.35	1/2	141.02	1/2		1/2		1/2	
3/4	4,556.11	3/4	4,282.45	3/4	3,868.69	3/4	3,454.93	3/4	3,039.16	3/4	2,622.71	3/4	2,206.26	3/4	1,789.81	3/4	1,373.37	3/4	956.92	3/4	547.57	3/4	132.37	3/4		3/4		3/4	
8	4,554.84	8	4,273.83	8	3,860.07	8	3,446.31	8	3,030.48	8	2,614.03	8	2,197.59	8	1,781.14	8	1,364.69	8	948.24	8	538.92	8	124.58	8		8		8	
1/4	4,553.57	1/4	4,265.21	1/4	3,851.45	1/4	3,437.69	1/4	3,021.81	1/4	2,605.36	1/4	2,188.91	1/4	1,772.46	1/4	1,356.01	1/4	939.57	1/4	530.27	1/4	116.79	1/4		1/4		1/4	
1/2	4,552.30	1/2	4,256.59	1/2	3,842.83	1/2	3,429.07	1/2	3,013.13	1/2	2,596.68	1/2	2,180.23	1/2	1,763.79	1/2	1,347.34	1/2	930.89	1/2	521.62	1/2	109.00	1/2		1/2		1/2	
3/4	4,551.03	3/4	4,247.97	3/4	3,834.21	3/4	3,420.45	3/4	3,004.45	3/4	2,588.01	3/4	2,171.56	3/4	1,755.11	3/4	1,338.66	3/4	922.21	3/4	512.97	3/4	101.21	3/4		3/4		3/4	
9	4,548.90	9	4,239.35	9	3,825.59	9	3,411.83	9	2,995.78	9	2,579.33	9	2,162.88	9	1,746.43	9	1,329.99	9	913.54	9	504.32	9	93.42	9		9		9	
1/4	4,546.77	1/4	4,230.73	1/4	3,816.97	1/4	3,403.21	1/4	2,987.10	1/4	2,570.65	1/4	2,154.21	1/4	1,737.76	1/4	1,321.31	1/4	904.86	1/4	495.67	1/4	85.63	1/4		1/4		1/4	
1/2	4,544.63	1/2	4,222.11	1/2	3,808.35	1/2	3,394.59	1/2	2,978.43	1/2	2,561.98	1/2	2,145.53	1/2	1,729.08	1/2	1,312.63	1/2	896.19	1/2	487.02	1/2	77.84	1/2		1/2		1/2	
3/4	4,542.50	3/4	4,213.49	3/4	3,799.73	3/4	3,385.97	3/4	2,969.75	3/4	2,553.30	3/4	2,136.85	3/4	1,720.41	3/4	1,303.96	3/4	887.51	3/4	478.37	3/4	70.05	3/4		3/4		3/4	
10	4,539.50	10	4,204.87	10	3,791.11	10	3,377.35	10	2,961.07	10	2,544.63	10	2,128.18	10	1,711.73	10	1,295.28	10	878.83	10	469.72	10	62.49	10		10		10	
1/4	4,536.51	1/4	4,196.25	1/4	3,782.49	1/4	3,368.73	1/4	2,952.40	1/4	2,535.95	1/4	2,119.50	1/4	1,703.05	1/4	1,286.61	1/4	870.16	1/4	461.07	1/4	54.92	1/4		1/4		1/4	
1/2	4,533.51	1/2	4,187.63	1/2	3,773.87	1/2</																							



# BARGE "MM 87B" MAGNOLIA MARINE

## OUTAGE TABLE

# 2 STAR

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

HULL NO. 4507

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
0		0	4,505.60	0	4,127.29	0	3,713.53	0	3,299.44	0	2,882.99	0	2,466.54	0	2,050.09	0	1,633.65	0	1,217.20	0	800.75	0	391.87	0		0			
1/4		1/4	4,500.87	1/4	4,118.67	1/4	3,704.91	1/4	3,290.76	1/4	2,874.31	1/4	2,457.87	1/4	2,041.42	1/4	1,624.97	1/4	1,208.52	1/4	792.07	1/4	383.22	1/4		1/4			
1/2		1/2	4,496.15	1/2	4,110.05	1/2	3,696.29	1/2	3,282.09	1/2	2,865.64	1/2	2,449.19	1/2	2,032.74	1/2	1,616.29	1/2	1,199.85	1/2	783.40	1/2	374.57	1/2		1/2			
3/4		3/4	4,490.55	3/4	4,101.43	3/4	3,687.67	3/4	3,273.41	3/4	2,856.96	3/4	2,440.51	3/4	2,024.07	3/4	1,607.62	3/4	1,191.17	3/4	774.72	3/4	365.92	3/4		3/4			
1		1	4,484.96	1	4,092.81	1	3,679.05	1	3,264.73	1	2,848.29	1	2,431.84	1	2,015.39	1	1,598.94	1	1,182.49	1	766.05	1	357.27	1		1			
1/4		1/4	4,479.37	1/4	4,084.19	1/4	3,670.43	1/4	3,256.06	1/4	2,839.61	1/4	2,423.16	1/4	2,006.71	1/4	1,590.27	1/4	1,173.82	1/4	757.37	1/4	348.62	1/4		1/4			
1/2		1/2	4,473.77	1/2	4,075.57	1/2	3,661.81	1/2	3,247.38	1/2	2,830.93	1/2	2,414.49	1/2	1,998.04	1/2	1,581.59	1/2	1,165.14	1/2	748.69	1/2	339.97	1/2		1/2			
3/4		3/4	4,467.31	3/4	4,066.95	3/4	3,653.19	3/4	3,238.71	3/4	2,822.26	3/4	2,405.81	3/4	1,989.36	3/4	1,572.91	3/4	1,156.47	3/4	740.02	3/4	331.32	3/4		3/4			
2		2	4,460.86	2	4,058.33	2	3,644.57	2	3,230.03	2	2,813.58	2	2,397.13	2	1,980.69	2	1,564.24	2	1,147.79	2	731.34	2	322.67	2		2			
1/4		1/4	4,454.40	1/4	4,049.71	1/4	3,635.95	1/4	3,221.35	1/4	2,804.91	1/4	2,388.46	1/4	1,972.01	1/4	1,555.56	1/4	1,139.11	1/4	722.67	1/4	314.02	1/4		1/4			
1/2		1/2	4,447.94	1/2	4,041.09	1/2	3,627.33	1/2	3,212.68	1/2	2,796.23	1/2	2,379.78	1/2	1,963.33	1/2	1,546.89	1/2	1,130.44	1/2	713.99	1/2	305.37	1/2		1/2			
3/4		3/4	4,440.61	3/4	4,032.47	3/4	3,618.71	3/4	3,204.00	3/4	2,787.55	3/4	2,371.11	3/4	1,954.66	3/4	1,538.21	3/4	1,121.76	3/4	705.31	3/4	296.72	3/4		3/4			
3		3	4,433.29	3	4,023.85	3	3,610.09	3	3,195.33	3	2,778.88	3	2,362.43	3	1,945.98	3	1,529.53	3	1,113.09	3	696.64	3	288.07	3		3			
1/4		1/4	4,425.97	1/4	4,015.23	1/4	3,601.47	1/4	3,186.65	1/4	2,770.20	1/4	2,353.75	1/4	1,937.31	1/4	1,520.86	1/4	1,104.41	1/4	687.96	1/4	279.42	1/4		1/4			
1/2		1/2	4,418.65	1/2	4,006.61	1/2	3,592.85	1/2	3,177.97	1/2	2,761.53	1/2	2,345.08	1/2	1,928.63	1/2	1,512.18	1/2	1,095.73	1/2	679.29	1/2	270.77	1/2		1/2			
3/4		3/4	4,410.46	3/4	3,997.99	3/4	3,584.23	3/4	3,169.30	3/4	2,752.85	3/4	2,336.40	3/4	1,919.95	3/4	1,503.51	3/4	1,087.06	3/4	670.61	3/4	262.12	3/4		3/4			
4		4	4,402.27	4	3,989.37	4	3,575.61	4	3,160.62	4	2,744.17	4	2,327.73	4	1,911.28	4	1,494.83	4	1,078.38	4	661.93	4	253.47	4		4			
1/4		1/4	4,394.08	1/4	3,980.75	1/4	3,566.99	1/4	3,151.95	1/4	2,735.50	1/4	2,319.05	1/4	1,902.60	1/4	1,486.15	1/4	1,069.71	1/4	653.26	1/4	244.82	1/4		1/4			
1/2		1/2	4,385.89	1/2	3,972.13	1/2	3,558.37	1/2	3,143.27	1/2	2,726.82	1/2	2,310.37	1/2	1,893.93	1/2	1,477.48	1/2	1,061.03	1/2	644.58	1/2	236.17	1/2		1/2			
3/4		3/4	4,377.27	3/4	3,963.51	3/4	3,549.75	3/4	3,134.59	3/4	2,718.15	3/4	2,301.70	3/4	1,885.25	3/4	1,468.80	3/4	1,052.35	3/4	635.91	3/4	227.52	3/4		3/4			
5		5	4,368.65	5	3,954.89	5	3,541.13	5	3,125.92	5	2,709.47	5	2,293.02	5	1,876.57	5	1,460.13	5	1,043.68	5	627.23	5	218.87	5		5			
1/4		1/4	4,360.03	1/4	3,946.27	1/4	3,532.51	1/4	3,117.24	1/4	2,700.79	1/4	2,284.35	1/4	1,867.90	1/4	1,451.45	1/4	1,035.00	1/4	618.55	1/4	210.22	1/4		1/4			
1/2		1/2	4,351.41	1/2	3,937.65	1/2	3,523.89	1/2	3,108.57	1/2	2,692.12	1/2	2,275.67	1/2	1,859.22	1/2	1,442.77	1/2	1,026.33	1/2	609.88	1/2	201.57	1/2		1/2			
3/4		3/4	4,342.79	3/4	3,929.03	3/4	3,515.27	3/4	3,099.89	3/4	2,683.44	3/4	2,266.99	3/4	1,850.55	3/4	1,434.10	3/4	1,017.65	3/4	602.09	3/4	192.92	3/4		3/4			
6		6	4,334.17	6	3,920.41	6	3,506.65	6	3,091.21	6	2,674.77	6	2,258.32	6	1,841.87	6	1,425.42	6	1,008.97	6	594.30	6	184.27	6		6			
1/4		1/4	4,325.55	1/4	3,911.79	1/4	3,498.03	1/4	3,082.54	1/4	2,666.09	1/4	2,249.64	1/4	1,833.19	1/4	1,416.75	1/4	1,000.30	1/4	586.51	1/4	175.62	1/4		1/4			
1/2	4,557.72	1/2	4,316.93	1/2	3,903.17	1/2	3,489.41	1/2	3,073.86	1/2	2,657.41	1/2	2,240.97	1/2	1,824.52	1/2	1,408.07	1/2	991.62	1/2	578.72	1/2	166.97	1/2		1/2			
3/4	4,557.32	3/4	4,308.31	3/4	3,894.55	3/4	3,480.79	3/4	3,065.19	3/4	2,648.74	3/4	2,232.29	3/4	1,815.84	3/4	1,399.39	3/4	982.95	3/4	570.93	3/4	158.32	3/4		3/4			
7		7	4,299.69	7	3,885.93	7	3,472.17	7	3,056.51	7	2,640.06	7	2,223.61	7	1,807.17	7	1,390.72	7	974.27	7	563.14	7	149.67	7		7			
1/4		1/4	4,556.91	1/4	4,291.07	1/4	3,877.31	1/4	3,463.55	1/4	3,047.83	1/4	2,631.39	1/4	2,214.94	1/4	1,798.49	1/4	1,382.04	1/4	965.59	1/4	141.02	1/4		1/4			
1/2		1/2	4,556.11	1/2	4,282.45	1/2	3,868.69	1/2	3,454.93	1/2	3,039.16	1/2	2,622.71	1/2	2,206.26	1/2	1,789.81	1/2	1,373.37	1/2	956.92	1/2	132.37	1/2		1/2			
3/4		3/4	4,554.84	3/4	4,273.83	3/4	3,860.07	3/4	3,446.31	3/4	3,030.48	3/4	2,614.03	3/4	2,197.59	3/4	1,781.14	3/4	1,364.69	3/4	948.24	3/4	124.58	3/4		3/4			
8		8	4,265.21	8	3,851.45	8	3,437.69	8	3,021.81	8	2,605.36	8	2,188.91	8	1,772.46	8	1,356.01	8	939.57	8	530.27	8	116.79	8		8			
1/4		1/4	4,552.30	1/4	4,256.59	1/4	3,842.83	1/4	3,429.07	1/4	3,013.13	1/4	2,596.68	1/4	2,180.23	1/4	1,763.79	1/4	1,347.34	1/4	930.89	1/4	109.00	1/4		1/4			
1/2		1/2	4,551.03	1/2	4,247.97	1/2	3,834.21	1/2	3,420.45	1/2	3,004.45	1/2	2,588.01	1/2	2,171.56	1/2	1,755.11	1/2	1,338.66	1/2	922.21	1/2	101.21	1/2		1/2			
3/4		3/4	4,548.90	3/4	4,239.35	3/4	3,825.59	3/4	3,411.83	3/4	2,995.78	3/4	2,579.33	3/4	2,162.88	3/4	1,746.43	3/4	1,329.99	3/4	913.54	3/4	93.42	3/4		3/4			
9		9	4,230.73	9	3,816.97	9	3,403.21	9	2,987.10	9	2,570.65	9	2,154.21	9	1,737.76	9	1,321.31	9	904.86	9	495.67	9	85.63	9		9			
1/4		1/4	4,544.63	1/4	4,222.11	1/4	3,808.35	1/4	3,394.59	1/4	2,978.43	1/4	2,561.98	1/4	2,145.53	1/4	1,729.08	1/4	1,312.63	1/4	896.19	1/4	77.84	1/4		1/4			
1/2		1/2	4,542.50	1/2	4,213.49	1/2	3,799.73	1/2	3,385.97	1/2	2,969.75	1/2	2,553.30	1/2	2,136.85	1/2	1,720.41	1/2	1,303.96	1/2	887.51	1/2	70.05	1/2		1/2			
3/4		3/4	4,539.50	3/4	4,204.87	3/4	3,791.11	3/4	3,377.35	3/4	2,961.07	3/4	2,544.63	3/4	2,128.18	3/4	1,711.73	3/4	1,295.28	3/4	878.83	3/4	62.49	3/4		3/4			
10		10	4,196.25	10	3,782.49	10	3,368.73	10	2,952.40	10	2,535.95	10	2,119.50	10	1,703.05	10	1,286.61	10	870.16	10	461.07	10	54.92	10		10			
1/4		1/4	4,533.51	1/4	4,187.63	1/4	3,773.87	1/4	3,360.11	1/4	2,943.72	1/4	2,527.27	1/4	2,110.83	1/4	1,694.38	1/4	1,277.93	1/4	861.48	1/4	47.35	1/4		1/4			
1/2		1/2	4,530.51	1/2	4,179.01	1/2	3,765.25	1/2	3,351.49	1/2	2,935.05	1/2	2,518.60	1/2	2,102.15	1/2	1,685.70												



# BARGE "MM 87B" MAGNOLIA MARINE

## OUTAGE TABLE

# 3 PORT OR STAR

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

HULL NO. 4507

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	4,175.24	0	3,823.27	0	3,438.02	0	3,052.81	0	2,667.85	0	2,282.89	0	1,897.93	0	1,512.97	0	1,128.01	0	743.05	0	364.08	0		0			
1/4		1/4	4,170.85	1/4	3,815.24	1/4	3,429.99	1/4	3,044.79	1/4	2,659.83	1/4	2,274.87	1/4	1,889.91	1/4	1,504.95	1/4	1,119.99	1/4	735.03	1/4	356.04	1/4		1/4			
1/2		1/2	4,166.46	1/2	3,807.21	1/2	3,421.97	1/2	3,036.77	1/2	2,651.81	1/2	2,266.85	1/2	1,881.89	1/2	1,496.93	1/2	1,111.97	1/2	727.01	1/2	348.01	1/2		1/2			
3/4		3/4	4,161.26	3/4	3,799.19	3/4	3,413.94	3/4	3,028.75	3/4	2,643.79	3/4	2,258.83	3/4	1,873.87	3/4	1,488.91	3/4	1,103.95	3/4	718.99	3/4	339.97	3/4		3/4			
1		1	4,156.07	1	3,791.16	1	3,405.91	1	3,020.73	1	2,635.77	1	2,250.81	1	1,865.85	1	1,480.89	1	1,095.93	1	710.97	1	331.94	1		1			
1/4		1/4	4,150.87	1/4	3,783.14	1/4	3,397.89	1/4	3,012.71	1/4	2,627.75	1/4	2,242.79	1/4	1,857.83	1/4	1,472.87	1/4	1,087.91	1/4	702.95	1/4	323.90	1/4		1/4			
1/2		1/2	4,145.68	1/2	3,775.11	1/2	3,389.86	1/2	3,004.69	1/2	2,619.73	1/2	2,234.77	1/2	1,849.81	1/2	1,464.85	1/2	1,079.89	1/2	694.93	1/2	315.87	1/2		1/2			
3/4		3/4	4,139.68	3/4	3,767.08	3/4	3,381.84	3/4	2,996.67	3/4	2,611.71	3/4	2,226.75	3/4	1,841.79	3/4	1,456.83	3/4	1,071.87	3/4	686.91	3/4	307.83	3/4		3/4			
2		2	4,133.68	2	3,759.06	2	3,373.81	2	2,988.65	2	2,603.69	2	2,218.73	2	1,833.77	2	1,448.81	2	1,063.85	2	678.89	2	299.80	2		2			
1/4		1/4	4,127.68	1/4	3,751.03	1/4	3,365.78	1/4	2,980.63	1/4	2,595.67	1/4	2,210.71	1/4	1,825.75	1/4	1,440.79	1/4	1,055.83	1/4	670.87	1/4	291.76	1/4		1/4			
1/2		1/2	4,121.68	1/2	3,743.01	1/2	3,357.76	1/2	2,972.61	1/2	2,587.65	1/2	2,202.69	1/2	1,817.73	1/2	1,432.77	1/2	1,047.81	1/2	662.85	1/2	283.73	1/2		1/2			
3/4		3/4	4,114.88	3/4	3,734.98	3/4	3,349.73	3/4	2,964.59	3/4	2,579.63	3/4	2,194.67	3/4	1,809.71	3/4	1,424.75	3/4	1,039.79	3/4	654.83	3/4	275.69	3/4		3/4			
3		3	4,108.08	3	3,726.95	3	3,341.71	3	2,956.57	3	2,571.61	3	2,186.65	3	1,801.69	3	1,416.73	3	1,031.77	3	646.81	3	267.66	3		3			
1/4		1/4	4,101.27	1/4	3,718.93	1/4	3,333.68	1/4	2,948.55	1/4	2,563.59	1/4	2,178.63	1/4	1,793.67	1/4	1,408.71	1/4	1,023.75	1/4	638.79	1/4	259.62	1/4		1/4			
1/2		1/2	4,094.47	1/2	3,710.90	1/2	3,325.65	1/2	2,940.53	1/2	2,555.57	1/2	2,170.61	1/2	1,785.65	1/2	1,400.69	1/2	1,015.73	1/2	630.77	1/2	251.59	1/2		1/2			
3/4		3/4	4,086.86	3/4	3,702.88	3/4	3,317.63	3/4	2,932.51	3/4	2,547.55	3/4	2,162.59	3/4	1,777.63	3/4	1,392.67	3/4	1,007.71	3/4	622.75	3/4	243.55	3/4		3/4			
4		4	4,079.26	4	3,694.85	4	3,309.60	4	2,924.49	4	2,539.53	4	2,154.57	4	1,769.61	4	1,384.65	4	999.69	4	614.73	4	235.52	4		4			
1/4		1/4	4,071.65	1/4	3,686.82	1/4	3,301.58	1/4	2,916.47	1/4	2,531.51	1/4	2,146.55	1/4	1,761.59	1/4	1,376.63	1/4	991.67	1/4	606.71	1/4	227.48	1/4		1/4			
1/2		1/2	4,064.05	1/2	3,678.80	1/2	3,293.55	1/2	2,908.45	1/2	2,523.49	1/2	2,138.53	1/2	1,753.57	1/2	1,368.61	1/2	983.65	1/2	598.69	1/2	219.45	1/2		1/2			
3/4		3/4	4,056.02	3/4	3,670.77	3/4	3,285.52	3/4	2,900.43	3/4	2,515.47	3/4	2,130.51	3/4	1,745.55	3/4	1,360.59	3/4	975.63	3/4	590.67	3/4	211.41	3/4		3/4			
5		5	4,047.99	5	3,662.75	5	3,277.50	5	2,892.41	5	2,507.45	5	2,122.49	5	1,737.53	5	1,352.57	5	967.61	5	582.65	5	203.38	5		5			
1/4		1/4	4,039.97	1/4	3,654.72	1/4	3,269.47	1/4	2,884.39	1/4	2,499.43	1/4	2,114.47	1/4	1,729.51	1/4	1,344.55	1/4	959.59	1/4	574.63	1/4	195.34	1/4		1/4			
1/2		1/2	4,031.94	1/2	3,646.69	1/2	3,261.45	1/2	2,876.37	1/2	2,491.41	1/2	2,106.45	1/2	1,721.49	1/2	1,336.53	1/2	951.57	1/2	566.61	1/2	187.31	1/2		1/2			
3/4		3/4	4,023.92	3/4	3,638.67	3/4	3,253.42	3/4	2,868.35	3/4	2,483.39	3/4	2,098.43	3/4	1,713.47	3/4	1,328.51	3/4	943.55	3/4	559.37	3/4	179.27	3/4		3/4			
6		6	4,015.89	6	3,630.64	6	3,245.39	6	2,860.33	6	2,475.37	6	2,090.41	6	1,705.45	6	1,320.49	6	935.53	6	552.13	6	171.24	6		6			
1/4		1/4	4,007.86	1/4	3,622.62	1/4	3,237.37	1/4	2,852.31	1/4	2,467.35	1/4	2,082.39	1/4	1,697.43	1/4	1,312.47	1/4	927.51	1/4	544.89	1/4	163.20	1/4		1/4			
1/2	4,223.67	1/2	3,999.84	1/2	3,614.59	1/2	3,229.34	1/2	2,844.29	1/2	2,459.33	1/2	2,074.37	1/2	1,689.41	1/2	1,304.45	1/2	919.49	1/2	537.66	1/2	155.17	1/2		1/2			
3/4	4,223.29	3/4	3,991.81	3/4	3,606.56	3/4	3,221.32	3/4	2,836.27	3/4	2,451.31	3/4	2,066.35	3/4	1,681.39	3/4	1,296.43	3/4	911.47	3/4	530.42	3/4	147.13	3/4		3/4			
7		7	4,222.92	7	3,983.79	7	3,598.54	7	3,213.29	7	2,828.25	7	2,443.29	7	2,058.33	7	1,673.37	7	1,288.41	7	903.45	7	523.18	7		7			
1/4		1/4	4,222.54	1/4	3,975.76	1/4	3,590.51	1/4	3,205.26	1/4	2,820.23	1/4	2,435.27	1/4	2,050.31	1/4	1,665.35	1/4	1,280.39	1/4	895.43	1/4	515.95	1/4		1/4			
1/2		1/2	4,222.17	1/2	3,967.73	1/2	3,582.49	1/2	3,197.24	1/2	2,812.21	1/2	2,427.25	1/2	2,042.29	1/2	1,657.33	1/2	1,272.37	1/2	887.41	1/2	508.71	1/2		1/2			
3/4		3/4	4,220.99	3/4	3,959.71	3/4	3,574.46	3/4	3,189.21	3/4	2,804.19	3/4	2,419.23	3/4	2,034.27	3/4	1,649.31	3/4	1,264.35	3/4	879.39	3/4	500.67	3/4		3/4			
8		8	4,219.81	8	3,951.68	8	3,566.43	8	3,181.19	8	2,796.17	8	2,411.21	8	2,026.25	8	1,641.29	8	1,256.33	8	871.37	8	492.64	8		8			
1/4		1/4	4,218.64	1/4	3,943.66	1/4	3,558.41	1/4	3,173.16	1/4	2,788.15	1/4	2,403.19	1/4	2,018.23	1/4	1,633.27	1/4	1,248.31	1/4	863.35	1/4	484.60	1/4		1/4			
1/2		1/2	4,217.46	1/2	3,935.63	1/2	3,550.38	1/2	3,165.13	1/2	2,780.13	1/2	2,395.17	1/2	2,010.21	1/2	1,625.25	1/2	1,240.29	1/2	855.33	1/2	476.57	1/2		1/2			
3/4		3/4	4,215.48	3/4	3,927.60	3/4	3,542.36	3/4	3,157.11	3/4	2,772.11	3/4	2,387.15	3/4	2,002.19	3/4	1,617.23	3/4	1,232.27	3/4	847.31	3/4	468.53	3/4		3/4			
9		9	4,213.50	9	3,919.58	9	3,534.33	9	3,149.08	9	2,764.09	9	2,379.13	9	1,994.17	9	1,609.21	9	1,224.25	9	839.29	9	460.50	9		9			
1/4		1/4	4,211.51	1/4	3,911.55	1/4	3,526.30	1/4	3,141.06	1/4	2,756.07	1/4	2,371.11	1/4	1,986.15	1/4	1,601.19	1/4	1,216.23	1/4	831.27	1/4	452.46	1/4		1/4			
1/2		1/2	4,209.53	1/2	3,903.53	1/2	3,518.28	1/2	3,133.03	1/2	2,748.05	1/2	2,363.09	1/2	1,978.13	1/2	1,593.17	1/2	1,208.21	1/2	823.25	1/2	444.43	1/2		1/2			
3/4		3/4	4,206.75	3/4	3,895.50	3/4	3,510.25	3/4	3,125.00	3/4	2,740.03	3/4	2,355.07	3/4	1,970.11	3/4	1,585.15	3/4	1,200.19	3/4	815.23	3/4	436.39	3/4		3/4			
10		10	4,203.96	10	3,887.47	10	3,502.23	10	3,116.98	10	2,732.01	10	2,347.05	10	1,962.09	10	1,577.13	10	1,192.17	10	807.21	10	428.36	10		10			
1/4		1/4	4,201.18	1/4	3,879.45	1/4	3,494.20	1/4	3,108.95	1/4	2,723.99	1/4	2,339.03	1/4	1,954.07	1/4	1,569.11	1/4	1,184.15	1/4	799.19	1/4	420.32	1/4		1/4			
1/2		1/2	4,198.39	1/2	3,871.42	1/2	3,486.17	1/2	3,100.93	1/2	2,715.97	1/2	2,331.01	1/2	1,946.05	1/2	1,561.09	1/2	1,176.13	1/2									



# BARGE "MM 87B" MAGNOLIA MARINE

## INNAGE TABLE

# 1 PORT OR STAR

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

HULL NO. 4507

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
0	* 17.19	0	386.37	0	771.89	0	1,163.91	0	1,555.93	0	1,947.94	0	2,339.96	0	2,731.97	0	3,123.99	0	3,514.82	0	3,905.54	0	4,256.41	0		0		0	
1/4	22.30	1/4	394.54	1/4	780.06	1/4	1,172.08	1/4	1,564.09	1/4	1,956.11	1/4	2,348.12	1/4	2,740.14	1/4	3,132.16	1/4	3,522.96	1/4	3,913.68	1/4	4,260.06	1/4		1/4		1/4	
1/2	27.40	1/2	402.71	1/2	788.23	1/2	1,180.24	1/2	1,572.26	1/2	1,964.27	1/2	2,356.29	1/2	2,748.31	1/2	3,140.32	1/2	3,531.10	1/2	3,921.82	1/2	4,263.71	1/2		1/2		1/2	
3/4	32.51	3/4	410.87	3/4	796.39	3/4	1,188.41	3/4	1,580.43	3/4	1,972.44	3/4	2,364.46	3/4	2,756.47	3/4	3,148.49	3/4	3,539.24	3/4	3,929.96	3/4	4,267.36	3/4		3/4		3/4	
1	37.61	1	419.04	1	804.56	1	1,196.58	1	1,588.59	1	1,980.61	1	2,372.62	1	2,764.64	1	3,156.66	1	3,547.38	1	3,938.10	1	4,271.00	1		1		1	
1/4	44.75	1/4	427.21	1/4	812.73	1/4	1,204.74	1/4	1,596.76	1/4	1,988.78	1/4	2,380.79	1/4	2,772.81	1/4	3,164.80	1/4	3,555.52	1/4	3,946.24	1/4	4,273.83	1/4		1/4		1/4	
1/2	51.90	1/2	435.37	1/2	820.90	1/2	1,212.91	1/2	1,604.93	1/2	1,996.94	1/2	2,388.96	1/2	2,780.97	1/2	3,172.94	1/2	3,563.66	1/2	3,954.38	1/2	4,276.66	1/2		1/2		1/2	
3/4	59.04	3/4	443.54	3/4	829.06	3/4	1,221.08	3/4	1,613.09	3/4	2,005.11	3/4	2,397.13	3/4	2,789.14	3/4	3,181.08	3/4	3,571.80	3/4	3,962.52	3/4	4,279.49	3/4		3/4		3/4	
2	66.19	2	451.71	2	837.23	2	1,229.25	2	1,621.26	2	2,013.28	2	2,405.29	2	2,797.31	2	3,189.22	2	3,579.94	2	3,970.66	2	4,282.32	2		2		2	
1/4	73.54	1/4	459.88	1/4	845.40	1/4	1,237.41	1/4	1,629.43	1/4	2,021.44	1/4	2,413.46	1/4	2,805.48	1/4	3,197.36	1/4	3,588.08	1/4	3,978.80	1/4	4,284.34	1/4		1/4		1/4	
1/2	80.90	1/2	468.04	1/2	853.56	1/2	1,245.58	1/2	1,637.59	1/2	2,029.61	1/2	2,421.63	1/2	2,813.64	1/2	3,205.50	1/2	3,596.22	1/2	3,986.94	1/2	4,286.35	1/2		1/2		1/2	
3/4	88.25	3/4	476.21	3/4	861.73	3/4	1,253.75	3/4	1,645.76	3/4	2,037.78	3/4	2,429.79	3/4	2,821.81	3/4	3,213.64	3/4	3,604.36	3/4	3,995.08	3/4	4,288.37	3/4		3/4		3/4	
3	95.61	3	484.38	3	869.90	3	1,261.91	3	1,653.93	3	2,045.94	3	2,437.96	3	2,829.98	3	3,221.78	3	3,612.50	3	4,003.22	3	4,290.38	3		3		3	
1/4	102.96	1/4	492.54	1/4	878.06	1/4	1,270.08	1/4	1,662.10	1/4	2,054.11	1/4	2,446.13	1/4	2,838.14	1/4	3,229.92	1/4	3,620.64	1/4	4,011.36	1/4	4,291.58	1/4		1/4		1/4	
1/2	110.32	1/2	500.71	1/2	886.23	1/2	1,278.25	1/2	1,670.26	1/2	2,062.28	1/2	2,454.29	1/2	2,846.31	1/2	3,238.06	1/2	3,628.78	1/2	4,019.50	1/2	4,292.78	1/2		1/2		1/2	
3/4	117.67	3/4	508.88	3/4	894.40	3/4	1,286.41	3/4	1,678.43	3/4	2,070.45	3/4	2,462.46	3/4	2,854.48	3/4	3,246.20	3/4	3,636.92	3/4	4,027.64	3/4	4,293.97	3/4		3/4		3/4	
4	125.03	4	517.04	4	902.57	4	1,294.58	4	1,686.60	4	2,078.61	4	2,470.63	4	2,862.64	4	3,254.34	4	3,645.06	4	4,035.78	4	4,295.17	4		4		4	
1/4	133.20	1/4	524.40	1/4	910.73	1/4	1,302.75	1/4	1,694.76	1/4	2,086.78	1/4	2,478.80	1/4	2,870.81	1/4	3,262.48	1/4	3,653.20	1/4	4,043.92	1/4	4,295.55	1/4		1/4		1/4	
1/2	141.36	1/2	531.75	1/2	918.90	1/2	1,310.92	1/2	1,702.93	1/2	2,094.95	1/2	2,486.96	1/2	2,878.98	1/2	3,270.62	1/2	3,661.34	1/2	4,052.06	1/2	4,295.93	1/2		1/2		1/2	
3/4	149.53	3/4	539.11	3/4	927.07	3/4	1,319.08	3/4	1,711.10	3/4	2,103.11	3/4	2,495.13	3/4	2,887.15	3/4	3,278.76	3/4	3,669.48	3/4	4,060.20	3/4	4,296.32	3/4		3/4		3/4	
5	157.70	5	546.46	5	935.23	5	1,327.25	5	1,719.26	5	2,111.28	5	2,503.30	5	2,895.31	5	3,286.90	5	3,677.62	5	4,068.34	5	4,296.70	5		5		5	
1/4	165.86	1/4	553.82	1/4	943.40	1/4	1,335.42	1/4	1,727.43	1/4	2,119.45	1/4	2,511.46	1/4	2,903.48	1/4	3,295.04	1/4	3,685.76	1/4	4,076.48	1/4		1/4		1/4		1/4	
1/2	174.03	1/2	561.17	1/2	951.57	1/2	1,343.58	1/2	1,735.60	1/2	2,127.61	1/2	2,519.63	1/2	2,911.65	1/2	3,303.18	1/2	3,693.90	1/2	4,084.62	1/2		1/2		1/2		1/2	
3/4	182.20	3/4	568.53	3/4	959.73	3/4	1,351.75	3/4	1,743.77	3/4	2,135.78	3/4	2,527.80	3/4	2,919.81	3/4	3,311.32	3/4	3,702.04	3/4	4,092.76	3/4		3/4		3/4		3/4	
6	190.37	6	575.88	6	967.90	6	1,359.92	6	1,751.93	6	2,143.95	6	2,535.96	6	2,927.98	6	3,319.46	6	3,710.18	6	4,100.90	6		6		6		6	
1/4	198.53	1/4	584.05	1/4	976.07	1/4	1,368.08	1/4	1,760.10	1/4	2,152.12	1/4	2,544.13	1/4	2,936.15	1/4	3,327.60	1/4	3,718.32	1/4	4,109.04	1/4		1/4		1/4		1/4	
1/2	206.70	1/2	592.22	1/2	984.24	1/2	1,376.25	1/2	1,768.27	1/2	2,160.28	1/2	2,552.30	1/2	2,944.31	1/2	3,335.74	1/2	3,726.46	1/2	4,117.18	1/2		1/2		1/2		1/2	
3/4	214.87	3/4	600.39	3/4	992.40	3/4	1,384.42	3/4	1,776.43	3/4	2,168.45	3/4	2,560.47	3/4	2,952.48	3/4	3,343.88	3/4	3,734.60	3/4	4,125.32	3/4		3/4		3/4		3/4	
7	223.03	7	608.55	7	1,000.57	7	1,392.59	7	1,784.60	7	2,176.62	7	2,568.63	7	2,960.65	7	3,352.02	7	3,742.74	7	4,133.46	7		7		7		7	
1/4	231.20	1/4	616.72	1/4	1,008.74	1/4	1,400.75	1/4	1,792.77	1/4	2,184.78	1/4	2,576.80	1/4	2,968.82	1/4	3,360.16	1/4	3,750.88	1/4	4,141.19	1/4		1/4		1/4		1/4	
1/2	239.37	1/2	624.89	1/2	1,016.90	1/2	1,408.92	1/2	1,800.93	1/2	2,192.95	1/2	2,584.97	1/2	2,976.98	1/2	3,368.30	1/2	3,759.02	1/2	4,148.92	1/2		1/2		1/2		1/2	
3/4	247.53	3/4	633.05	3/4	1,025.07	3/4	1,417.09	3/4	1,809.10	3/4	2,201.12	3/4	2,593.13	3/4	2,985.15	3/4	3,376.44	3/4	3,767.16	3/4	4,156.65	3/4		3/4		3/4		3/4	
8	255.70	8	641.22	8	1,033.24	8	1,425.25	8	1,817.27	8	2,209.28	8	2,601.30	8	2,993.32	8	3,384.58	8	3,775.30	8	4,164.38	8		8		8		8	
1/4	263.87	1/4	649.39	1/4	1,041.40	1/4	1,433.42	1/4	1,825.44	1/4	2,217.45	1/4	2,609.47	1/4	3,001.48	1/4	3,392.72	1/4	3,783.44	1/4	4,171.29	1/4		1/4		1/4		1/4	
1/2	272.04	1/2	657.56	1/2	1,049.57	1/2	1,441.59	1/2	1,833.60	1/2	2,225.62	1/2	2,617.63	1/2	3,009.65	1/2	3,400.86	1/2	3,791.58	1/2	4,178.21	1/2		1/2		1/2		1/2	
3/4	280.20	3/4	665.72	3/4	1,057.74	3/4	1,449.75	3/4	1,841.77	3/4	2,233.79	3/4	2,625.80	3/4	3,017.82	3/4	3,409.00	3/4	3,799.72	3/4	4,185.12	3/4		3/4		3/4		3/4	
9	288.37	9	673.89	9	1,065.91	9	1,457.92	9	1,849.94	9	2,241.95	9	2,633.97	9	3,025.98	9	3,417.14	9	3,807.86	9	4,192.04	9		9		9		9	
1/4	296.54	1/4	682.06	1/4	1,074.07	1/4	1,466.09	1/4	1,858.10	1/4	2,250.12	1/4	2,642.14	1/4	3,034.15	1/4	3,425.28	1/4	3,816.00	1/4									



# BARGE "MM 87B" MAGNOLIA MARINE

## INNAGE TABLE

# 2 PORT OR STAR

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

HULL NO. 4507

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	
0	18.16	0	409.17	0	818.10	0	1,234.55	0	1,651.00	0	2,067.44	0	2,483.89	0	2,900.34	0	3,316.79	0	3,730.77	0	4,144.53	0	4,515.06	0		0				
1/4	23.56	1/4	417.82	1/4	826.78	1/4	1,243.23	1/4	1,659.67	1/4	2,076.12	1/4	2,492.57	1/4	2,909.02	1/4	3,325.46	1/4	3,739.39	1/4	4,153.15	1/4	4,518.92	1/4		1/4				
1/2	28.97	1/2	426.47	1/2	835.45	1/2	1,251.90	1/2	1,668.35	1/2	2,084.80	1/2	2,501.24	1/2	2,917.69	1/2	3,334.14	1/2	3,748.01	1/2	4,161.77	1/2	4,522.78	1/2		1/2				
3/4	34.38	3/4	435.12	3/4	844.13	3/4	1,260.58	3/4	1,677.03	3/4	2,093.47	3/4	2,509.92	3/4	2,926.37	3/4	3,342.82	3/4	3,756.63	3/4	4,170.39	3/4	4,526.65	3/4		3/4				
1	39.78	1	443.77	1	852.81	1	1,269.25	1	1,685.70	1	2,102.15	1	2,518.60	1	2,935.04	1	3,351.49	1	3,765.25	1	4,179.01	1	4,530.51	1		1				
1/4	47.35	1/4	452.42	1/4	861.48	1/4	1,277.93	1/4	1,694.38	1/4	2,110.82	1/4	2,527.27	1/4	2,943.72	1/4	3,360.11	1/4	3,773.87	1/4	4,187.63	1/4	4,533.51	1/4		1/4				
1/2	54.92	1/2	461.07	1/2	870.16	1/2	1,286.61	1/2	1,703.05	1/2	2,119.50	1/2	2,535.95	1/2	2,952.40	1/2	3,368.73	1/2	3,782.49	1/2	4,196.25	1/2	4,536.51	1/2		1/2				
3/4	62.49	3/4	469.72	3/4	878.83	3/4	1,295.28	3/4	1,711.73	3/4	2,128.18	3/4	2,544.62	3/4	2,961.07	3/4	3,377.35	3/4	3,791.11	3/4	4,204.87	3/4	4,539.50	3/4		3/4				
2	70.05	2	478.36	2	887.51	2	1,303.96	2	1,720.41	2	2,136.85	2	2,553.30	2	2,969.75	2	3,385.97	2	3,799.73	2	4,213.49	2	4,542.50	2		2				
1/4	77.84	1/4	487.01	1/4	896.19	1/4	1,312.63	1/4	1,729.08	1/4	2,145.53	1/4	2,561.98	1/4	2,978.42	1/4	3,394.59	1/4	3,808.35	1/4	4,222.11	1/4	4,544.63	1/4		1/4				
1/2	85.63	1/2	495.66	1/2	904.86	1/2	1,321.31	1/2	1,737.76	1/2	2,154.20	1/2	2,570.65	1/2	2,987.10	1/2	3,403.21	1/2	3,816.97	1/2	4,230.73	1/2	4,546.77	1/2		1/2				
3/4	93.42	3/4	504.31	3/4	913.54	3/4	1,329.99	3/4	1,746.43	3/4	2,162.88	3/4	2,579.33	3/4	2,995.78	3/4	3,411.83	3/4	3,825.59	3/4	4,239.35	3/4	4,548.90	3/4		3/4				
3	101.21	3	512.96	3	922.21	3	1,338.66	3	1,755.11	3	2,171.56	3	2,588.00	3	3,004.45	3	3,420.45	3	3,834.21	3	4,247.97	3	4,551.03	3		3				
1/4	109.00	1/4	521.61	1/4	930.89	1/4	1,347.34	1/4	1,763.79	1/4	2,180.23	1/4	2,596.68	1/4	3,013.13	1/4	3,429.07	1/4	3,842.83	1/4	4,256.59	1/4	4,552.30	1/4		1/4				
1/2	116.79	1/2	530.26	1/2	939.57	1/2	1,356.01	1/2	1,772.46	1/2	2,188.91	1/2	2,605.36	1/2	3,021.80	1/2	3,437.69	1/2	3,851.45	1/2	4,265.21	1/2	4,553.57	1/2		1/2				
3/4	124.58	3/4	538.91	3/4	948.24	3/4	1,364.69	3/4	1,781.14	3/4	2,197.58	3/4	2,614.03	3/4	3,030.48	3/4	3,446.31	3/4	3,860.07	3/4	4,273.83	3/4	4,554.84	3/4		3/4				
4	132.37	4	547.56	4	956.92	4	1,373.37	4	1,789.81	4	2,206.26	4	2,622.71	4	3,039.16	4	3,454.93	4	3,868.69	4	4,282.45	4	4,556.10	4		4				
1/4	141.02	1/4	555.35	1/4	965.59	1/4	1,382.04	1/4	1,798.49	1/4	2,214.94	1/4	2,631.38	1/4	3,047.83	1/4	3,463.55	1/4	3,877.31	1/4	4,291.07	1/4	4,556.51	1/4		1/4				
1/2	149.67	1/2	563.14	1/2	974.27	1/2	1,390.72	1/2	1,807.17	1/2	2,223.61	1/2	2,640.06	1/2	3,056.51	1/2	3,472.17	1/2	3,885.93	1/2	4,299.69	1/2	4,556.91	1/2		1/2				
3/4	158.32	3/4	570.93	3/4	982.95	3/4	1,399.39	3/4	1,815.84	3/4	2,232.29	3/4	2,648.74	3/4	3,065.18	3/4	3,480.79	3/4	3,894.55	3/4	4,308.31	3/4	4,557.32	3/4		3/4				
5	166.97	5	578.72	5	991.62	5	1,408.07	5	1,824.52	5	2,240.96	5	2,657.41	5	3,073.86	5	3,489.41	5	3,903.17	5	4,316.93	5	4,557.72	5		5				
1/4	175.62	1/4	586.51	1/4	1,000.30	1/4	1,416.75	1/4	1,833.19	1/4	2,249.64	1/4	2,666.09	1/4	3,082.54	1/4	3,498.03	1/4	3,911.79	1/4	4,325.55	1/4		1/4		1/4				
1/2	184.27	1/2	594.30	1/2	1,008.97	1/2	1,425.42	1/2	1,841.87	1/2	2,258.32	1/2	2,674.76	1/2	3,091.21	1/2	3,506.65	1/2	3,920.41	1/2	4,334.17	1/2		1/2		1/2				
3/4	192.92	3/4	602.09	3/4	1,017.65	3/4	1,434.10	3/4	1,850.54	3/4	2,266.99	3/4	2,683.44	3/4	3,099.89	3/4	3,515.27	3/4	3,929.03	3/4	4,342.79	3/4		3/4		3/4				
6	201.57	6	609.88	6	1,026.33	6	1,442.77	6	1,859.22	6	2,275.67	6	2,692.12	6	3,108.56	6	3,523.89	6	3,937.65	6	4,351.41	6		6		6				
1/4	210.22	1/4	618.55	1/4	1,035.00	1/4	1,451.45	1/4	1,867.90	1/4	2,284.34	1/4	2,700.79	1/4	3,117.24	1/4	3,532.51	1/4	3,946.27	1/4	4,360.03	1/4		1/4		1/4				
1/2	218.87	1/2	627.23	1/2	1,043.68	1/2	1,460.13	1/2	1,876.57	1/2	2,293.02	1/2	2,709.47	1/2	3,125.92	1/2	3,541.13	1/2	3,954.89	1/2	4,368.65	1/2		1/2		1/2				
3/4	227.52	3/4	635.90	3/4	1,052.35	3/4	1,468.80	3/4	1,885.25	3/4	2,301.70	3/4	2,718.14	3/4	3,134.59	3/4	3,549.75	3/4	3,963.51	3/4	4,377.27	3/4		3/4		3/4				
7	236.17	7	644.58	7	1,061.03	7	1,477.48	7	1,893.92	7	2,310.37	7	2,726.82	7	3,143.27	7	3,558.37	7	3,972.13	7	4,385.89	7		7		7				
1/4	244.82	1/4	653.26	1/4	1,069.71	1/4	1,486.15	1/4	1,902.60	1/4	2,319.05	1/4	2,735.50	1/4	3,151.94	1/4	3,566.99	1/4	3,980.75	1/4	4,394.08	1/4		1/4		1/4				
1/2	253.47	1/2	661.93	1/2	1,078.38	1/2	1,494.83	1/2	1,911.28	1/2	2,327.72	1/2	2,744.17	1/2	3,160.62	1/2	3,575.61	1/2	3,989.37	1/2	4,402.27	1/2		1/2		1/2				
3/4	262.12	3/4	670.61	3/4	1,087.06	3/4	1,503.51	3/4	1,919.95	3/4	2,336.40	3/4	2,752.85	3/4	3,169.30	3/4	3,584.23	3/4	3,997.99	3/4	4,410.46	3/4		3/4		3/4				
8	270.77	8	679.29	8	1,095.73	8	1,512.18	8	1,928.63	8	2,345.08	8	2,761.52	8	3,177.97	8	3,592.85	8	4,006.61	8	4,418.64	8		8		8				
1/4	279.42	1/4	687.96	1/4	1,104.41	1/4	1,520.86	1/4	1,937.30	1/4	2,353.75	1/4	2,770.20	1/4	3,186.65	1/4	3,601.47	1/4	4,015.23	1/4	4,425.97	1/4		1/4		1/4				
1/2	288.07	1/2	696.64	1/2	1,113.09	1/2	1,529.53	1/2	1,945.98	1/2	2,362.43	1/2	2,778.88	1/2	3,195.32	1/2	3,610.09	1/2	4,023.85	1/2	4,433.29	1/2		1/2		1/2				
3/4	296.72	3/4	705.31	3/4	1,121.76	3/4	1,538.21	3/4	1,954.66	3/4	2,371.10	3/4	2,787.55	3/4	3,204.00	3/4	3,618.71	3/4	4,032.47	3/4	4,440.61	3/4		3/4		3/4				
9	305.37	9	713.99	9	1,130.44	9	1,546.89	9	1,963.33	9	2,379.78	9	2,796.23	9	3,212.68	9	3,627.33	9	4,041.09	9	4,447.94	9		9		9				
1/4	314.02	1/4	722.67	1/4	1,139.11	1/4	1,555.56	1/4	1,972.01	1/4	2,388.46	1/4	2,804.90	1																



# BARGE "MM 87B" MAGNOLIA MARINE

## INNAGE TABLE

# 3 PORT OR STAR

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

HULL NO. 4507

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	
0	16.93	0	380.15	0	759.09	0	1,144.05	0	1,529.01	0	1,913.97	0	2,298.93	0	2,683.89	0	3,068.84	0	3,454.07	0	3,839.32	0	4,184.03	0		0		0		0
1/4	21.95	1/4	388.18	1/4	767.11	1/4	1,152.07	1/4	1,537.03	1/4	1,921.99	1/4	2,306.95	1/4	2,691.91	1/4	3,076.86	1/4	3,462.09	1/4	3,847.34	1/4	4,187.62	1/4		1/4		1/4		1/4
1/2	26.97	1/2	396.22	1/2	775.13	1/2	1,160.09	1/2	1,545.05	1/2	1,930.01	1/2	2,314.97	1/2	2,699.93	1/2	3,084.88	1/2	3,470.12	1/2	3,855.37	1/2	4,191.21	1/2		1/2		1/2		1/2
3/4	31.99	3/4	404.25	3/4	783.15	3/4	1,168.11	3/4	1,553.07	3/4	1,938.03	3/4	2,322.99	3/4	2,707.95	3/4	3,092.90	3/4	3,478.15	3/4	3,863.39	3/4	4,194.80	3/4		3/4		3/4		3/4
1	37.01	1	412.29	1	791.17	1	1,176.13	1	1,561.09	1	1,946.05	1	2,331.01	1	2,715.97	1	3,100.92	1	3,486.17	1	3,871.42	1	4,198.39	1		1		1		1
1/4	44.04	1/4	420.32	1/4	799.19	1/4	1,184.15	1/4	1,569.11	1/4	1,954.07	1/4	2,339.03	1/4	2,723.99	1/4	3,108.95	1/4	3,494.20	1/4	3,879.45	1/4	4,201.17	1/4		1/4		1/4		1/4
1/2	51.07	1/2	428.36	1/2	807.21	1/2	1,192.17	1/2	1,577.13	1/2	1,962.09	1/2	2,347.05	1/2	2,732.01	1/2	3,116.98	1/2	3,502.22	1/2	3,887.47	1/2	4,203.96	1/2		1/2		1/2		1/2
3/4	58.10	3/4	436.39	3/4	815.23	3/4	1,200.19	3/4	1,585.15	3/4	1,970.11	3/4	2,355.07	3/4	2,740.03	3/4	3,125.00	3/4	3,510.25	3/4	3,895.50	3/4	4,206.75	3/4		3/4		3/4		3/4
2	65.13	2	444.43	2	823.25	2	1,208.21	2	1,593.17	2	1,978.13	2	2,363.09	2	2,748.05	2	3,133.03	2	3,518.28	2	3,903.52	2	4,209.53	2		2		2		2
1/4	72.37	1/4	452.46	1/4	831.27	1/4	1,216.23	1/4	1,601.19	1/4	1,986.15	1/4	2,371.11	1/4	2,756.07	1/4	3,141.05	1/4	3,526.30	1/4	3,911.55	1/4	4,211.51	1/4		1/4		1/4		1/4
1/2	79.61	1/2	460.50	1/2	839.29	1/2	1,224.25	1/2	1,609.21	1/2	1,994.17	1/2	2,379.13	1/2	2,764.09	1/2	3,149.08	1/2	3,534.33	1/2	3,919.58	1/2	4,213.49	1/2		1/2		1/2		1/2
3/4	86.84	3/4	468.53	3/4	847.31	3/4	1,232.27	3/4	1,617.23	3/4	2,002.19	3/4	2,387.15	3/4	2,772.11	3/4	3,157.11	3/4	3,542.35	3/4	3,927.60	3/4	4,215.48	3/4		3/4		3/4		3/4
3	94.08	3	476.57	3	855.33	3	1,240.29	3	1,625.25	3	2,010.21	3	2,395.17	3	2,780.13	3	3,165.13	3	3,550.38	3	3,935.63	3	4,217.46	3		3		3		3
1/4	101.32	1/4	484.60	1/4	863.35	1/4	1,248.31	1/4	1,633.27	1/4	2,018.23	1/4	2,403.19	1/4	2,788.15	1/4	3,173.16	1/4	3,558.41	1/4	3,943.65	1/4	4,218.63	1/4		1/4		1/4		1/4
1/2	108.56	1/2	492.64	1/2	871.37	1/2	1,256.33	1/2	1,641.29	1/2	2,026.25	1/2	2,411.21	1/2	2,796.17	1/2	3,181.18	1/2	3,566.43	1/2	3,951.68	1/2	4,219.81	1/2		1/2		1/2		1/2
3/4	115.79	3/4	500.67	3/4	879.39	3/4	1,264.35	3/4	1,649.31	3/4	2,034.27	3/4	2,419.23	3/4	2,804.19	3/4	3,189.21	3/4	3,574.46	3/4	3,959.71	3/4	4,220.99	3/4		3/4		3/4		3/4
4	123.03	4	508.71	4	887.41	4	1,272.37	4	1,657.33	4	2,042.29	4	2,427.25	4	2,812.21	4	3,197.24	4	3,582.48	4	3,967.73	4	4,222.17	4		4		4		4
1/4	131.06	1/4	515.95	1/4	895.43	1/4	1,280.39	1/4	1,665.35	1/4	2,050.31	1/4	2,435.27	1/4	2,820.23	1/4	3,205.26	1/4	3,590.51	1/4	3,975.76	1/4	4,222.54	1/4		1/4		1/4		1/4
1/2	139.10	1/2	523.18	1/2	903.45	1/2	1,288.41	1/2	1,673.37	1/2	2,058.33	1/2	2,443.29	1/2	2,828.25	1/2	3,213.29	1/2	3,598.54	1/2	3,983.78	1/2	4,222.92	1/2		1/2		1/2		1/2
3/4	147.13	3/4	530.42	3/4	911.47	3/4	1,296.43	3/4	1,681.39	3/4	2,066.35	3/4	2,451.31	3/4	2,836.27	3/4	3,221.31	3/4	3,606.56	3/4	3,991.81	3/4	4,223.29	3/4		3/4		3/4		3/4
5	155.17	5	537.66	5	919.49	5	1,304.45	5	1,689.41	5	2,074.37	5	2,459.33	5	2,844.29	5	3,229.34	5	3,614.59	5	3,999.84	5	4,223.67	5		5		5		5
1/4	163.20	1/4	544.89	1/4	927.51	1/4	1,312.47	1/4	1,697.43	1/4	2,082.39	1/4	2,467.35	1/4	2,852.31	1/4	3,237.37	1/4	3,622.61	1/4	4,007.86	1/4		1/4		1/4		1/4		1/4
1/2	171.24	1/2	552.13	1/2	935.53	1/2	1,320.49	1/2	1,705.45	1/2	2,090.41	1/2	2,475.37	1/2	2,860.33	1/2	3,245.39	1/2	3,630.64	1/2	4,015.89	1/2		1/2		1/2		1/2		1/2
3/4	179.27	3/4	559.37	3/4	943.55	3/4	1,328.51	3/4	1,713.47	3/4	2,098.43	3/4	2,483.39	3/4	2,868.35	3/4	3,253.42	3/4	3,638.67	3/4	4,023.91	3/4		3/4		3/4		3/4		3/4
6	187.31	6	566.61	6	951.57	6	1,336.53	6	1,721.49	6	2,106.45	6	2,491.41	6	2,876.37	6	3,261.44	6	3,646.69	6	4,031.94	6		6		6		6		6
1/4	195.34	1/4	574.63	1/4	959.59	1/4	1,344.55	1/4	1,729.51	1/4	2,114.47	1/4	2,499.43	1/4	2,884.39	1/4	3,269.47	1/4	3,654.72	1/4	4,039.97	1/4		1/4		1/4		1/4		1/4
1/2	203.38	1/2	582.65	1/2	967.61	1/2	1,352.57	1/2	1,737.53	1/2	2,122.49	1/2	2,507.45	1/2	2,892.41	1/2	3,277.50	1/2	3,662.74	1/2	4,047.99	1/2		1/2		1/2		1/2		1/2
3/4	211.41	3/4	590.67	3/4	975.63	3/4	1,360.59	3/4	1,745.55	3/4	2,130.51	3/4	2,515.47	3/4	2,900.43	3/4	3,285.52	3/4	3,670.77	3/4	4,056.02	3/4		3/4		3/4		3/4		3/4
7	219.45	7	598.69	7	983.65	7	1,368.61	7	1,753.57	7	2,138.53	7	2,523.49	7	2,908.45	7	3,293.55	7	3,678.80	7	4,064.04	7		7		7		7		7
1/4	227.48	1/4	606.71	1/4	991.67	1/4	1,376.63	1/4	1,761.59	1/4	2,146.55	1/4	2,531.51	1/4	2,916.47	1/4	3,301.57	1/4	3,686.82	1/4	4,071.65	1/4		1/4		1/4		1/4		1/4
1/2	235.52	1/2	614.73	1/2	999.68	1/2	1,384.65	1/2	1,769.61	1/2	2,154.57	1/2	2,539.53	1/2	2,924.49	1/2	3,309.60	1/2	3,694.85	1/2	4,079.26	1/2		1/2		1/2		1/2		1/2
3/4	243.55	3/4	622.75	3/4	1,007.71	3/4	1,392.67	3/4	1,777.63	3/4	2,162.59	3/4	2,547.55	3/4	2,932.51	3/4	3,317.63	3/4	3,702.87	3/4	4,086.86	3/4		3/4		3/4		3/4		3/4
8	251.59	8	630.77	8	1,015.73	8	1,400.69	8	1,785.65	8	2,170.61	8	2,555.57	8	2,940.53	8	3,325.65	8	3,710.90	8	4,094.47	8		8		8		8		8
1/4	259.62	1/4	638.79	1/4	1,023.75	1/4	1,408.71	1/4	1,793.67	1/4	2,178.63	1/4	2,563.59	1/4	2,948.55	1/4	3,333.68	1/4	3,718.93	1/4	4,101.27	1/4		1/4		1/4		1/4		1/4
1/2	267.66	1/2	646.81	1/2	1,031.77	1/2	1,416.73	1/2	1,801.69	1/2	2,186.65	1/2	2,571.61	1/2	2,956.57	1/2	3,341.70	1/2	3,726.95	1/2	4,108.07	1/2		1/2		1/2		1/2		1/2
3/4	275.69	3/4	654.83	3/4	1,039.79	3/4	1,424.75	3/4	1,809.71	3/4	2,194.67	3/4	2,579.63	3/4	2,964.59	3/4	3,349.73	3/4	3,734.98	3/4	4,114.88	3/4		3/4		3/4		3/4		3/4
9	283.73	9	662.85	9	1,047.81	9	1,432.77	9	1,817.73	9	2,202.69	9	2,587.65	9	2,972.61	9	3,357.76	9	3,743.00	9										

# BARGE "MM-87B"

## MAGNOLIA MARINE

HULL NO. 4507

CORRECTION TABLE FOR TRIM AFT.

### FOR INNAGE GAUGES ONLY

TRIM	TANKS NO. 1 PORT OR STAR.	TANKS NO. 2 PORT OR STAR.	TANKS NO. 3 PORT OR STAR.
0'-6"	(+) 0' - 0 1/8"	NIL	NIL
1'-0"	(+) 0' - 0 1/8"	(+) 0' - 0 1/8"	NIL
1'-6"	(+) 0' - 0 1/4"	(+) 0' - 0 1/8"	(-) 0' - 0 1/8"
2'-0"	(+) 0' - 0 3/8"	(+) 0' - 0 1/8"	(-) 0' - 0 1/8"
2'-6"	(+) 0' - 0 3/8"	(+) 0' - 0 1/4"	(-) 0' - 0 1/8"
3'-0"	(+) 0' - 0 1/2"	(+) 0' - 0 1/4"	(-) 0' - 0 1/8"
3'-6"	(+) 0' - 0 5/8"	(+) 0' - 0 3/8"	(-) 0' - 0 1/8"
4'-0"	(+) 0' - 0 5/8"	(+) 0' - 0 3/8"	(-) 0' - 0 1/4"
4'-6"	(+) 0' - 0 3/4"	(+) 0' - 0 3/8"	(-) 0' - 0 1/4"
5'-0"	(+) 0' - 0 7/8"	(+) 0' - 0 1/2"	(-) 0' - 0 1/4"

NOTE: FOR TRIM FWD., REVERSE SIGNS.

NOTE: IF LIQUID SURFACE TOUCHES TANK BOTTOM OR DECK WHEN GAUGED,  
TRIM CORRECTIONS ARE NOT ACCURATE.

NOTE: FOR "OUTAGE" GAUGES, REVERSE SIGNS.

DATE: 4/18/06

BY: \_\_\_\_\_

**INSPECTORATE AMERICA CORPORATION**