



BARGE "MM-114" MAGNOLIA MARINE

OUTAGE TABLE

1 PORT OR STAR

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

HULL NO. 2157-2

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.		15 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	0	3,359.78	0	3,114.09	0	2,866.79	0	2,619.50	0	2,372.20	0	2,124.90	0	1,877.61	0	1,630.31	0	1,383.02	0	1,135.72	0	888.42	0	644.82	0	400.17	0	163.06		
1/4	1/4	1/4	3,354.68	1/4	3,108.94	1/4	2,861.64	1/4	2,614.34	1/4	2,367.05	1/4	2,119.75	1/4	1,872.46	1/4	1,625.16	1/4	1,377.86	1/4	1,130.57	1/4	883.27	1/4	639.80	1/4	395.02	1/4	158.47		
1/2	1/2	1/2	3,349.58	1/2	3,103.78	1/2	2,856.49	1/2	2,609.19	1/2	2,361.90	1/2	2,114.60	1/2	1,867.30	1/2	1,620.01	1/2	1,372.71	1/2	1,125.42	1/2	878.12	1/2	634.78	1/2	389.86	1/2	153.88		
3/4	3/4	3/4	3,344.48	3/4	3,098.63	3/4	2,851.34	3/4	2,604.04	3/4	2,356.74	3/4	2,109.45	3/4	1,862.15	3/4	1,614.86	3/4	1,367.56	3/4	1,120.26	3/4	872.97	3/4	629.76	3/4	384.71	3/4	149.29		
1	1	1	3,339.38	1	3,093.48	1	2,846.18	1	2,598.89	1	2,351.59	1	2,104.30	1	1,857.00	1	1,609.70	1	1,362.41	1	1,115.11	1	867.82	1	624.74	1	379.56	1	144.70		
1/4	1/4	1/4	3,334.27	1/4	3,088.33	1/4	2,841.03	1/4	2,593.74	1/4	2,346.44	1/4	2,099.14	1/4	1,851.85	1/4	1,604.55	1/4	1,357.26	1/4	1,109.96	1/4	862.66	1/4	619.72	1/4	374.41	1/4	140.23		
1/2	1/2	1/2	3,329.17	1/2	3,083.18	1/2	2,835.88	1/2	2,588.58	1/2	2,341.29	1/2	2,093.99	1/2	1,846.70	1/2	1,599.40	1/2	1,352.10	1/2	1,104.81	1/2	857.51	1/2	614.70	1/2	369.26	1/2	135.76		
3/4	3/4	3/4	3,324.07	3/4	3,078.02	3/4	2,830.73	3/4	2,583.43	3/4	2,336.14	3/4	2,088.84	3/4	1,841.54	3/4	1,594.25	3/4	1,346.95	3/4	1,099.66	3/4	852.36	3/4	609.68	3/4	364.10	3/4	131.29		
2	2	2	3,318.97	2	3,072.87	2	2,825.58	2	2,578.28	2	2,330.98	2	2,083.69	2	1,836.39	2	1,589.10	2	1,341.80	2	1,094.50	2	847.21	2	604.66	2	358.95	2	126.82		
1/4	1/4	1/4	3,489.21	1/4	3,313.87	1/4	3,067.72	1/4	2,820.42	1/4	2,573.13	1/4	2,325.83	1/4	2,078.54	1/4	1,831.24	1/4	1,583.94	1/4	1,336.65	1/4	1,089.35	1/4	842.06	1/4	599.64	1/4	353.80	1/4	122.36
1/2	1/2	1/2	3,488.98	1/2	3,308.76	1/2	3,062.57	1/2	2,815.27	1/2	2,567.98	1/2	2,320.68	1/2	2,073.38	1/2	1,826.09	1/2	1,578.79	1/2	1,331.50	1/2	1,084.20	1/2	836.90	1/2	594.62	1/2	348.65	1/2	117.89
3/4	3/4	3/4	3,488.74	3/4	3,303.66	3/4	3,057.42	3/4	2,810.12	3/4	2,562.82	3/4	2,315.53	3/4	2,068.23	3/4	1,820.94	3/4	1,573.64	3/4	1,326.34	3/4	1,079.05	3/4	831.75	3/4	589.60	3/4	343.50	3/4	113.42
3	3	3	3,488.50	3	3,298.56	3	3,052.26	3	2,804.97	3	2,557.67	3	2,310.38	3	2,063.08	3	1,815.78	3	1,568.49	3	1,321.19	3	1,073.90	3	826.60	3	584.58	3	338.34	3	108.95
1/4	1/4	1/4	3,487.60	1/4	3,293.46	1/4	3,047.11	1/4	2,799.82	1/4	2,552.52	1/4	2,305.22	1/4	2,057.93	1/4	1,810.63	1/4	1,563.34	1/4	1,316.04	1/4	1,068.74	1/4	821.45	1/4	579.56	1/4	333.25	1/4	104.61
1/2	1/2	1/2	3,486.70	1/2	3,288.36	1/2	3,041.96	1/2	2,794.66	1/2	2,547.37	1/2	2,300.07	1/2	2,052.78	1/2	1,805.48	1/2	1,558.18	1/2	1,310.89	1/2	1,063.59	1/2	816.30	1/2	574.54	1/2	328.16	1/2	100.26
3/4	3/4	3/4	3,485.79	3/4	3,283.25	3/4	3,036.81	3/4	2,789.51	3/4	2,542.22	3/4	2,294.92	3/4	2,047.62	3/4	1,800.33	3/4	1,553.03	3/4	1,305.74	3/4	1,058.44	3/4	811.14	3/4	569.52	3/4	323.07	3/4	95.92
4	4	4	3,484.89	4	3,278.15	4	3,031.66	4	2,784.36	4	2,537.06	4	2,289.77	4	2,042.47	4	1,795.18	4	1,547.88	4	1,300.58	4	1,053.29	4	805.99	4	564.50	4	317.98	4	91.58
1/4	1/4	1/4	3,483.22	1/4	3,273.05	1/4	3,026.50	1/4	2,779.21	1/4	2,531.91	1/4	2,284.62	1/4	2,037.32	1/4	1,790.02	1/4	1,542.73	1/4	1,295.43	1/4	1,048.14	1/4	800.84	1/4	559.48	1/4	312.89	1/4	87.23
1/2	1/2	1/2	3,481.55	1/2	3,267.95	1/2	3,021.35	1/2	2,774.06	1/2	2,526.76	1/2	2,279.46	1/2	2,032.17	1/2	1,784.87	1/2	1,537.58	1/2	1,290.28	1/2	1,042.98	1/2	795.69	1/2	554.46	1/2	307.80	1/2	82.89
3/4	3/4	3/4	3,479.88	3/4	3,262.85	3/4	3,016.20	3/4	2,768.90	3/4	2,521.61	3/4	2,274.31	3/4	2,027.02	3/4	1,779.72	3/4	1,532.42	3/4	1,285.13	3/4	1,037.83	3/4	790.54	3/4	549.44	3/4	302.71	3/4	78.54
5	5	5	3,478.22	5	3,257.74	5	3,011.05	5	2,763.75	5	2,516.46	5	2,269.16	5	2,021.86	5	1,774.57	5	1,527.27	5	1,279.98	5	1,032.68	5	785.38	5	544.42	5	297.62	5	74.20
1/4	1/4	1/4	3,475.79	1/4	3,252.64	1/4	3,005.90	1/4	2,758.60	1/4	2,511.30	1/4	2,264.01	1/4	2,016.71	1/4	1,769.42	1/4	1,522.12	1/4	1,274.82	1/4	1,027.53	1/4	780.36	1/4	539.27	1/4	292.66	1/4	69.98
1/2	1/2	1/2	3,473.36	1/2	3,247.54	1/2	3,000.74	1/2	2,753.45	1/2	2,506.15	1/2	2,258.86	1/2	2,011.56	1/2	1,764.26	1/2	1,516.97	1/2	1,269.67	1/2	1,022.38	1/2	775.34	1/2	534.12	1/2	287.69	1/2	65.76
3/4	3/4	3/4	3,470.93	3/4	3,242.44	3/4	2,995.59	3/4	2,748.30	3/4	2,501.00	3/4	2,253.70	3/4	2,006.41	3/4	1,759.11	3/4	1,511.82	3/4	1,264.52	3/4	1,017.22	3/4	770.32	3/4	528.97	3/4	282.73	3/4	61.54
6	6	6	3,468.50	6	3,237.34	6	2,990.44	6	2,743.14	6	2,495.85	6	2,248.55	6	2,001.26	6	1,753.96	6	1,506.66	6	1,259.37	6	1,012.07	6	765.30	6	523.82	6	277.76	6	57.32
1/4	1/4	1/4	3,465.30	1/4	3,232.23	1/4	2,985.29	1/4	2,737.99	1/4	2,490.70	1/4	2,243.40	1/4	1,996.10	1/4	1,748.81	1/4	1,501.51	1/4	1,254.22	1/4	1,006.92	1/4	760.28	1/4	518.66	1/4	272.79	1/4	53.10
1/2	1/2	1/2	3,462.11	1/2	3,227.13	1/2	2,980.14	1/2	2,732.84	1/2	2,485.54	1/2	2,238.25	1/2	1,990.95	1/2	1,743.66	1/2	1,496.36	1/2	1,249.06	1/2	1,001.77	1/2	755.26	1/2	513.51	1/2	267.83	1/2	48.88
3/4	3/4	3/4	3,458.91	3/4	3,222.03	3/4	2,974.98	3/4	2,727.69	3/4	2,480.39	3/4	2,233.10	3/4	1,985.80	3/4	1,738.50	3/4	1,491.21	3/4	1,243.91	3/4	996.62	3/4	750.24	3/4	508.36	3/4	262.86	3/4	44.66
7	7	7	3,455.72	7	3,216.93	7	2,969.83	7	2,722.54	7	2,475.24	7	2,227.94	7	1,980.65	7	1,733.35	7	1,486.06	7	1,238.76	7	991.46	7	745.22	7	503.21	7	257.90	7	40.44
1/4	1/4	1/4	3,451.76	1/4	3,211.83	1/4	2,964.68	1/4	2,717.38	1/4	2,470.09	1/4	2,222.79	1/4	1,975.50	1/4	1,728.20	1/4	1,480.90	1/4	1,233.61	1/4	986.31	1/4	740.20	1/4	498.06	1/4	253.05	1/4	36.35
1/2	1/2	1/2	3,447.80	1/2	3,206.72	1/2	2,959.53	1/2	2,712.23	1/2	2,464.94	1/2	2,217.64	1/2	1,970.34	1/2	1,723.05	1/2	1,475.75	1/2	1,228.46	1/2	981.16	1/2	735.18	1/2	492.90	1/2	248.21	1/2	32.25
3/4	3/4	3/4	3,443.85	3/4	3,201.62	3/4	2,954.38	3/4	2,707.08	3/4	2,459.78	3/4	2,212.49	3/4	1,965.19	3/4	1,717.90	3/4	1,470.60	3/4	1,223.30	3/4	976.01	3/4	730.16	3/4	487.75	3/4	243.37	3/4	28.41
8	8	8	3,439.89	8	3,196.52	8	2,949.22	8	2,701.93	8	2,454.63	8	2,207.34	8	1,960.04	8	1,712.74	8	1,465.45	8	1,218.15	8	970.86	8	725.14	8	482.60	8	238.53	8	24.57
1/4	1/4	1/4	3,435.17	1/4	3,191.37	1/4	2,944.07	1/4	2,696.78	1/4	2,449.48	1/4	2,202.18	1/4	1,954.89	1/4	1,707.59	1/4	1,460.30	1/4	1,213.00	1/4	965.70	1/4	720.12	1/4	477.45	1/4	233.69	1/4	21.49
1/2	1/2	1/2	3,430.45	1/2	3,186.22	1/2	2,938.92	1/2	2,691.62	1/2	2,444.33	1/2	2,197.03	1/2	1,949.74	1/2	1,702.44	1/2	1,455.14	1/2	1,207.85	1/2	960.55	1/2	715.10	1/2	472.30	1/2	228.84	1/2	18.41
3/4	3/4	3/4	3,425.73	3/4	3,181.06	3/4	2,933.77	3/4	2,686.47	3/4	2,439.18	3/4	2,191.88	3/4	1,944.58	3/4	1,697.29	3/4	1,449.99	3/4	1,202.70	3/4	955.40	3/4	710.08	3/4	467.14	3/4	224.00	3/4	15.33
9	9	9	3,421.01	9	3,175.91	9	2,928.62	9	2,681.32	9	2,434.02	9	2,186.73	9	1,939.43	9	1,692.14	9	1,4												



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OUTAGE TABLE

2 PORT OR STAR

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HULL NO. 2157-2

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.		15 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	0	3,810.33	0	3,535.03	0	3,258.74	0	2,982.45	0	2,706.16	0	2,429.87	0	2,153.59	0	1,877.30	0	1,601.01	0	1,324.72	0	1,048.43	0	772.15	0	495.86	0	219.57		
1/4	1/4	1/4	3,804.61	1/4	3,529.27	1/4	3,252.98	1/4	2,976.69	1/4	2,700.41	1/4	2,424.12	1/4	2,147.83	1/4	1,871.54	1/4	1,595.25	1/4	1,318.97	1/4	1,042.68	1/4	766.39	1/4	490.10	1/4	213.81		
1/2	1/2	1/2	3,798.88	1/2	3,523.51	1/2	3,247.23	1/2	2,970.94	1/2	2,694.65	1/2	2,418.36	1/2	2,142.07	1/2	1,865.79	1/2	1,589.50	1/2	1,313.21	1/2	1,036.92	1/2	760.63	1/2	484.35	1/2	208.06		
3/4	3/4	3/4	3,793.15	3/4	3,517.76	3/4	3,241.47	3/4	2,965.18	3/4	2,688.89	3/4	2,412.61	3/4	2,136.32	3/4	1,860.03	3/4	1,583.74	3/4	1,307.45	3/4	1,031.17	3/4	754.84	3/4	478.59	3/4	202.30		
1	1	1	3,787.42	1	3,512.00	1	3,235.71	1	2,959.43	1	2,683.14	1	2,406.85	1	2,130.56	1	1,854.27	1	1,577.99	1	1,301.70	1	1,025.41	1	749.12	1	472.83	1	196.55		
1/4	1/4	1/4	3,781.69	1/4	3,506.25	1/4	3,229.96	1/4	2,953.67	1/4	2,677.38	1/4	2,401.09	1/4	2,124.81	1/4	1,848.52	1/4	1,572.23	1/4	1,295.94	1/4	1,019.65	1/4	743.37	1/4	467.08	1/4	190.79		
1/2	1/2	1/2	3,775.97	1/2	3,500.49	1/2	3,224.20	1/2	2,947.91	1/2	2,671.63	1/2	2,395.34	1/2	2,119.05	1/2	1,842.76	1/2	1,566.47	1/2	1,290.19	1/2	1,013.90	1/2	737.61	1/2	461.32	1/2	185.03		
3/4	3/4	3/4	3,770.24	3/4	3,494.73	3/4	3,218.45	3/4	2,942.16	3/4	2,665.87	3/4	2,389.58	3/4	2,113.29	3/4	1,837.01	3/4	1,560.72	3/4	1,284.43	3/4	1,008.14	3/4	731.85	3/4	455.57	3/4	179.28		
2	2	2	3,764.51	2	3,488.98	2	3,212.69	2	2,936.40	2	2,660.11	2	2,383.83	2	2,107.54	2	1,831.25	2	1,554.96	2	1,278.67	2	1,002.39	2	726.10	2	449.81	2	173.52		
1/4	1/4	1/4	3,758.78	1/4	3,483.22	1/4	3,206.93	1/4	2,930.65	1/4	2,654.36	1/4	2,378.07	1/4	2,101.78	1/4	1,825.49	1/4	1,549.21	1/4	1,272.92	1/4	996.63	1/4	720.34	1/4	444.05	1/4	167.77		
1/2	1/2	1/2	3,951.01	1/2	3,753.05	1/2	3,477.47	1/2	3,201.18	1/2	2,924.89	1/2	2,648.60	1/2	2,372.31	1/2	2,096.03	1/2	1,819.74	1/2	1,543.45	1/2	1,267.16	1/2	990.87	1/2	714.59	1/2	438.30	1/2	162.01
3/4	3/4	3/4	3,950.69	3/4	3,747.33	3/4	3,471.71	3/4	3,195.42	3/4	2,919.13	3/4	2,642.85	3/4	2,366.56	3/4	2,090.27	3/4	1,813.98	3/4	1,537.69	3/4	1,261.41	3/4	985.12	3/4	708.83	3/4	432.54	3/4	156.25
3	3	3	3,950.37	3	3,741.60	3	3,465.95	3	3,189.67	3	2,913.38	3	2,637.09	3	2,360.80	3	2,084.51	3	1,808.23	3	1,531.94	3	1,255.65	3	979.36	3	703.07	3	426.79	3	150.50
1/4	1/4	1/4	3,950.05	1/4	3,735.87	1/4	3,460.20	1/4	3,183.91	1/4	2,907.62	1/4	2,631.33	1/4	2,355.05	1/4	2,078.76	1/4	1,802.47	1/4	1,526.18	1/4	1,249.89	1/4	973.61	1/4	697.32	1/4	421.03	1/4	144.74
1/2	1/2	1/2	3,948.99	1/2	3,730.14	1/2	3,454.44	1/2	3,178.15	1/2	2,901.87	1/2	2,625.58	1/2	2,349.29	1/2	2,073.00	1/2	1,796.71	1/2	1,520.43	1/2	1,244.14	1/2	967.85	1/2	691.56	1/2	415.27	1/2	138.99
3/4	3/4	3/4	3,947.92	3/4	3,724.41	3/4	3,448.69	3/4	3,172.40	3/4	2,896.11	3/4	2,619.82	3/4	2,343.53	3/4	2,067.25	3/4	1,790.96	3/4	1,514.67	3/4	1,238.38	3/4	962.09	3/4	685.81	3/4	409.52	3/4	133.23
4	4	4	3,946.86	4	3,718.69	4	3,442.93	4	3,166.64	4	2,890.35	4	2,614.07	4	2,337.78	4	2,061.49	4	1,785.20	4	1,508.91	4	1,232.63	4	956.34	4	680.05	4	403.76	4	127.47
1/4	1/4	1/4	3,945.79	1/4	3,712.96	1/4	3,437.17	1/4	3,160.89	1/4	2,884.60	1/4	2,608.31	1/4	2,332.02	1/4	2,055.73	1/4	1,779.45	1/4	1,503.16	1/4	1,226.87	1/4	950.58	1/4	674.29	1/4	398.01	1/4	121.72
1/2	1/2	1/2	3,943.87	1/2	3,707.23	1/2	3,431.42	1/2	3,155.13	1/2	2,878.84	1/2	2,602.55	1/2	2,326.27	1/2	2,049.98	1/2	1,773.69	1/2	1,497.40	1/2	1,221.11	1/2	944.83	1/2	668.54	1/2	392.25	1/2	115.96
3/4	3/4	3/4	3,941.95	3/4	3,701.50	3/4	3,425.66	3/4	3,149.37	3/4	2,873.09	3/4	2,596.80	3/4	2,320.51	3/4	2,044.22	3/4	1,767.93	3/4	1,491.65	3/4	1,215.36	3/4	939.07	3/4	662.78	3/4	386.49	3/4	110.21
5	5	5	3,940.02	5	3,695.77	5	3,419.91	5	3,143.62	5	2,867.33	5	2,591.04	5	2,314.75	5	2,038.47	5	1,762.18	5	1,485.89	5	1,209.60	5	933.31	5	657.03	5	380.74	5	104.45
1/4	1/4	1/4	3,938.10	1/4	3,690.05	1/4	3,414.15	1/4	3,137.86	1/4	2,861.57	1/4	2,585.29	1/4	2,309.00	1/4	2,032.71	1/4	1,756.42	1/4	1,480.13	1/4	1,203.85	1/4	927.56	1/4	651.27	1/4	374.98	1/4	98.69
1/2	1/2	1/2	3,935.33	1/2	3,684.32	1/2	3,408.39	1/2	3,132.11	1/2	2,855.82	1/2	2,579.53	1/2	2,303.24	1/2	2,026.95	1/2	1,750.67	1/2	1,474.38	1/2	1,198.09	1/2	921.80	1/2	645.51	1/2	369.23	1/2	92.94
3/4	3/4	3/4	3,932.55	3/4	3,678.59	3/4	3,402.64	3/4	3,126.35	3/4	2,850.06	3/4	2,573.77	3/4	2,297.49	3/4	2,021.20	3/4	1,744.91	3/4	1,468.62	3/4	1,192.33	3/4	916.05	3/4	639.76	3/4	363.47	3/4	87.18
6	6	6	3,929.77	6	3,672.86	6	3,396.88	6	3,120.59	6	2,844.31	6	2,568.02	6	2,291.73	6	2,015.44	6	1,739.15	6	1,462.87	6	1,186.58	6	910.29	6	634.00	6	357.71	6	81.43
1/4	1/4	1/4	3,927.00	1/4	3,667.13	1/4	3,391.13	1/4	3,114.84	1/4	2,838.55	1/4	2,562.26	1/4	2,285.97	1/4	2,009.69	1/4	1,733.40	1/4	1,457.11	1/4	1,180.82	1/4	904.53	1/4	628.25	1/4	351.96	1/4	75.67
1/2	1/2	1/2	3,923.37	1/2	3,661.41	1/2	3,385.37	1/2	3,109.08	1/2	2,832.79	1/2	2,556.51	1/2	2,280.22	1/2	2,003.93	1/2	1,727.64	1/2	1,451.35	1/2	1,175.07	1/2	898.78	1/2	622.49	1/2	346.20	1/2	69.91
3/4	3/4	3/4	3,919.74	3/4	3,655.68	3/4	3,379.61	3/4	3,103.33	3/4	2,827.04	3/4	2,550.75	3/4	2,274.46	3/4	1,998.17	3/4	1,721.89	3/4	1,445.60	3/4	1,169.31	3/4	893.02	3/4	616.73	3/4	340.45	3/4	64.16
7	7	7	3,916.11	7	3,649.95	7	3,373.86	7	3,097.57	7	2,821.28	7	2,544.99	7	2,268.71	7	1,992.42	7	1,716.13	7	1,439.84	7	1,163.55	7	887.27	7	610.98	7	334.69	7	58.40
1/4	1/4	1/4	3,912.48	1/4	3,644.22	1/4	3,368.10	1/4	3,091.81	1/4	2,815.53	1/4	2,539.24	1/4	2,262.95	1/4	1,986.66	1/4	1,710.37	1/4	1,434.09	1/4	1,157.80	1/4	881.51	1/4	605.22	1/4	328.93	1/4	52.65
1/2	1/2	1/2	3,907.99	1/2	3,638.49	1/2	3,362.35	1/2	3,086.06	1/2	2,809.77	1/2	2,533.48	1/2	2,257.19	1/2	1,980.91	1/2	1,704.62	1/2	1,428.33	1/2	1,152.04	1/2	875.75	1/2	599.47	1/2	323.18	1/2	46.89
3/4	3/4	3/4	3,903.51	3/4	3,632.77	3/4	3,356.59	3/4	3,080.30	3/4	2,804.01	3/4	2,527.73	3/4	2,251.44	3/4	1,975.15	3/4	1,698.86	3/4	1,422.57	3/4	1,146.29	3/4	870.00	3/4	593.71	3/4	317.42	3/4	41.13
8	8	8	3,899.02	8	3,627.04	8	3,350.83	8	3,074.55	8	2,798.26	8	2,521.97	8	2,245.68	8	1,969.39	8	1,693.11	8	1,416.82	8	1,140.53	8	864.24	8	587.95	8	311.67	8	35.78
1/4	1/4	1/4	3,894.54	1/4	3,621.31	1/4	3,345.08	1/4	3,068.79	1/4	2,792.50	1/4	2,516.21	1/4	2,239.93	1/4	1,963.64	1/4	1,687.35	1/4	1,411.06	1/4	1,134.77	1/4	858.49	1/4	582.20	1/4	305.91	1/4	30.42
1/2	1/2	1/2	3,889.24	1/2	3,615.58	1/2	3,339.32	1/2	3,063.03	1/2	2,786.75	1/2	2,510.46	1/2	2,234.17	1/2	1,957.88	1/2	1,681.59	1/2	1,405.31	1/2	1,129.02	1/2	852.73	1/2	576.44	1/2	300.15	1/2	26.31
3/4	3/4	3/4	3,883.94	3/4	3,609.85	3/4	3,333.57	3/4	3,057.28	3/4	2,780.99	3/4	2,504.70	3/4	2,228.41	3/4	1,952.13	3/4	1,675.84	3/4	1,399.55	3/4	1,123.26	3/4	846.97	3/4	570.69	3/4	294.40	3/4	22.19
9	9	9	3,878.64	9	3,604.10	9	3,327.81	9	3,051.52	9	2,775.23	9	2,498.95	9	2,222.66	9	1,946.37	9</													



BARGE "MM-114" MAGNOLIA MARINE

OUTAGE TABLE

3 PORT OR STAR

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

HULL NO. 2157-2

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.		15 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	0	3,819.63	0	3,544.13	0	3,267.12	0	2,990.11	0	2,713.11	0	2,436.10	0	2,159.09	0	1,882.08	0	1,605.07	0	1,328.07	0	1,051.06	0	774.05	0	497.04	0	220.03		
1/4	1/4	1/4	3,813.91	1/4	3,538.36	1/4	3,261.35	1/4	2,984.34	1/4	2,707.34	1/4	2,430.33	1/4	2,153.32	1/4	1,876.31	1/4	1,599.30	1/4	1,322.30	1/4	1,045.29	1/4	768.28	1/4	491.27	1/4	214.26		
1/2	1/2	1/2	3,808.18	1/2	3,532.59	1/2	3,255.58	1/2	2,978.57	1/2	2,701.56	1/2	2,424.56	1/2	2,147.55	1/2	1,870.54	1/2	1,593.53	1/2	1,316.52	1/2	1,039.52	1/2	762.51	1/2	485.50	1/2	208.49		
3/4	3/4	3/4	3,802.45	3/4	3,526.82	3/4	3,249.81	3/4	2,972.80	3/4	2,695.79	3/4	2,418.78	3/4	2,141.78	3/4	1,864.77	3/4	1,587.76	3/4	1,310.75	3/4	1,033.75	3/4	756.74	3/4	479.73	3/4	202.72		
1	1	1	3,796.72	1	3,521.05	1	3,244.04	1	2,967.03	1	2,690.02	1	2,413.01	1	2,136.01	1	1,859.00	1	1,581.99	1	1,304.98	1	1,027.97	1	750.97	1	473.96	1	196.95		
1/4	1/4	1/4	3,790.99	1/4	3,515.28	1/4	3,238.27	1/4	2,961.26	1/4	2,684.25	1/4	2,407.24	1/4	2,130.24	1/4	1,853.23	1/4	1,576.22	1/4	1,299.21	1/4	1,022.20	1/4	745.20	1/4	468.19	1/4	191.18		
1/2	1/2	1/2	3,785.27	1/2	3,509.50	1/2	3,232.50	1/2	2,955.49	1/2	2,678.48	1/2	2,401.47	1/2	2,124.46	1/2	1,847.46	1/2	1,570.45	1/2	1,293.44	1/2	1,016.43	1/2	739.42	1/2	462.42	1/2	185.41		
3/4	3/4	3/4	3,779.54	3/4	3,503.73	3/4	3,226.73	3/4	2,949.72	3/4	2,672.71	3/4	2,395.70	3/4	2,118.69	3/4	1,841.69	3/4	1,564.68	3/4	1,287.67	3/4	1,010.66	3/4	733.65	3/4	456.65	3/4	179.64		
2	2	2	3,773.81	2	3,497.96	2	3,220.95	2	2,943.95	2	2,666.94	2	2,389.93	2	2,112.92	2	1,835.91	2	1,558.91	2	1,281.90	2	1,004.89	2	727.88	2	450.87	2	173.87		
1/4	1/4	1/4	3,768.08	1/4	3,492.19	1/4	3,215.18	1/4	2,938.18	1/4	2,661.17	1/4	2,384.16	1/4	2,107.15	1/4	1,830.14	1/4	1,553.14	1/4	1,276.13	1/4	999.12	1/4	722.11	1/4	445.10	1/4	168.10		
1/2	1/2	1/2	3,960.31	1/2	3,762.35	1/2	3,486.42	1/2	3,209.41	1/2	2,932.40	1/2	2,655.40	1/2	2,378.39	1/2	2,101.38	1/2	1,824.37	1/2	1,547.36	1/2	1,270.36	1/2	993.35	1/2	716.34	1/2	162.32		
3/4	3/4	3/4	3,959.99	3/4	3,756.63	3/4	3,480.65	3/4	3,203.64	3/4	2,926.63	3/4	2,649.63	3/4	2,372.62	3/4	2,095.61	3/4	1,818.60	3/4	1,541.59	3/4	1,264.59	3/4	987.58	3/4	710.57	3/4	156.55		
3	3	3	3,959.67	3	3,750.90	3	3,474.88	3	3,197.87	3	2,920.86	3	2,643.85	3	2,366.85	3	2,089.84	3	1,812.83	3	1,535.82	3	1,258.81	3	981.81	3	704.80	3	427.79	3	150.78
1/4	1/4	1/4	3,959.35	1/4	3,745.17	1/4	3,469.11	1/4	3,192.10	1/4	2,915.09	1/4	2,638.08	1/4	2,361.08	1/4	2,084.07	1/4	1,807.06	1/4	1,530.05	1/4	1,253.04	1/4	976.04	1/4	699.03	1/4	422.02	1/4	145.01
1/2	1/2	1/2	3,958.29	1/2	3,739.44	1/2	3,463.34	1/2	3,186.33	1/2	2,909.32	1/2	2,632.31	1/2	2,355.30	1/2	2,078.30	1/2	1,801.29	1/2	1,524.28	1/2	1,247.27	1/2	970.26	1/2	693.26	1/2	416.25	1/2	139.24
3/4	3/4	3/4	3,957.22	3/4	3,733.71	3/4	3,457.57	3/4	3,180.56	3/4	2,903.55	3/4	2,626.54	3/4	2,349.53	3/4	2,072.53	3/4	1,795.52	3/4	1,518.51	3/4	1,241.50	3/4	964.49	3/4	687.49	3/4	410.48	3/4	133.47
4	4	4	3,956.16	4	3,727.99	4	3,451.79	4	3,174.79	4	2,897.78	4	2,620.77	4	2,343.76	4	2,066.75	4	1,789.75	4	1,512.74	4	1,235.73	4	958.72	4	681.71	4	404.71	4	127.70
1/4	1/4	1/4	3,955.09	1/4	3,722.26	1/4	3,446.02	1/4	3,169.02	1/4	2,892.01	1/4	2,615.00	1/4	2,337.99	1/4	2,060.98	1/4	1,783.98	1/4	1,506.97	1/4	1,229.96	1/4	952.95	1/4	675.94	1/4	398.94	1/4	121.93
1/2	1/2	1/2	3,953.17	1/2	3,716.53	1/2	3,440.25	1/2	3,163.24	1/2	2,886.24	1/2	2,609.23	1/2	2,332.22	1/2	2,055.21	1/2	1,778.20	1/2	1,501.20	1/2	1,224.19	1/2	947.18	1/2	670.17	1/2	393.16	1/2	116.16
3/4	3/4	3/4	3,951.25	3/4	3,710.80	3/4	3,434.48	3/4	3,157.47	3/4	2,880.47	3/4	2,603.46	3/4	2,326.45	3/4	2,049.44	3/4	1,772.43	3/4	1,495.43	3/4	1,218.42	3/4	941.41	3/4	664.40	3/4	387.39	3/4	110.39
5	5	5	3,949.32	5	3,705.07	5	3,428.71	5	3,151.70	5	2,874.69	5	2,597.69	5	2,320.68	5	2,043.67	5	1,766.66	5	1,489.65	5	1,212.65	5	935.64	5	658.63	5	381.62	5	104.61
1/4	1/4	1/4	3,947.40	1/4	3,699.35	1/4	3,422.94	1/4	3,145.93	1/4	2,868.92	1/4	2,591.92	1/4	2,314.91	1/4	2,037.90	1/4	1,760.89	1/4	1,483.88	1/4	1,206.88	1/4	929.87	1/4	652.86	1/4	375.85	1/4	98.84
1/2	1/2	1/2	3,944.63	1/2	3,693.62	1/2	3,417.17	1/2	3,140.16	1/2	2,863.15	1/2	2,586.14	1/2	2,309.14	1/2	2,032.13	1/2	1,755.12	1/2	1,478.11	1/2	1,201.10	1/2	924.10	1/2	647.09	1/2	370.08	1/2	93.07
3/4	3/4	3/4	3,941.85	3/4	3,687.89	3/4	3,411.40	3/4	3,134.39	3/4	2,857.38	3/4	2,580.37	3/4	2,303.37	3/4	2,026.36	3/4	1,749.35	3/4	1,472.34	3/4	1,195.33	3/4	918.33	3/4	641.32	3/4	364.31	3/4	87.30
6	6	6	3,939.07	6	3,682.16	6	3,405.63	6	3,128.62	6	2,851.61	6	2,574.60	6	2,297.59	6	2,020.59	6	1,743.58	6	1,466.57	6	1,189.56	6	912.55	6	635.55	6	358.54	6	81.53
1/4	1/4	1/4	3,936.30	1/4	3,676.43	1/4	3,399.86	1/4	3,122.85	1/4	2,845.84	1/4	2,568.83	1/4	2,291.82	1/4	2,014.82	1/4	1,737.81	1/4	1,460.80	1/4	1,183.79	1/4	906.78	1/4	629.78	1/4	352.77	1/4	75.76
1/2	1/2	1/2	3,932.67	1/2	3,670.71	1/2	3,394.08	1/2	3,117.08	1/2	2,840.07	1/2	2,563.06	1/2	2,286.05	1/2	2,009.04	1/2	1,732.04	1/2	1,455.03	1/2	1,178.02	1/2	901.01	1/2	624.00	1/2	347.00	1/2	69.99
3/4	3/4	3/4	3,929.04	3/4	3,664.98	3/4	3,388.31	3/4	3,111.31	3/4	2,834.30	3/4	2,557.29	3/4	2,280.28	3/4	2,003.27	3/4	1,726.27	3/4	1,449.26	3/4	1,172.25	3/4	895.24	3/4	618.23	3/4	341.23	3/4	64.22
7	7	7	3,925.41	7	3,659.25	7	3,382.54	7	3,105.53	7	2,828.53	7	2,551.52	7	2,274.51	7	1,997.50	7	1,720.49	7	1,443.49	7	1,166.48	7	889.47	7	612.46	7	335.45	7	58.45
1/4	1/4	1/4	3,921.78	1/4	3,653.52	1/4	3,376.77	1/4	3,099.76	1/4	2,822.76	1/4	2,545.75	1/4	2,268.74	1/4	1,991.73	1/4	1,714.72	1/4	1,437.72	1/4	1,160.71	1/4	883.70	1/4	606.69	1/4	329.68	1/4	52.68
1/2	1/2	1/2	3,917.29	1/2	3,647.79	1/2	3,371.00	1/2	3,093.99	1/2	2,816.98	1/2	2,539.98	1/2	2,262.97	1/2	1,985.96	1/2	1,708.95	1/2	1,431.94	1/2	1,154.94	1/2	877.93	1/2	600.92	1/2	323.91	1/2	46.90
3/4	3/4	3/4	3,912.81	3/4	3,642.07	3/4	3,365.23	3/4	3,088.22	3/4	2,811.21	3/4	2,534.21	3/4	2,257.20	3/4	1,980.19	3/4	1,703.18	3/4	1,426.17	3/4	1,149.17	3/4	872.16	3/4	595.15	3/4	318.14	3/4	41.13
8	8	8	3,908.32	8	3,636.34	8	3,359.46	8	3,082.45	8	2,805.44	8	2,528.43	8	2,251.43	8	1,974.42	8	1,697.41	8	1,420.40	8	1,143.39	8	866.39	8	589.38	8	312.37	8	35.78
1/4	1/4	1/4	3,903.84	1/4	3,630.61	1/4	3,353.69	1/4	3,076.68	1/4	2,799.67	1/4	2,522.66	1/4	2,245.66	1/4	1,968.65	1/4	1,691.64	1/4	1,414.63	1/4	1,137.62	1/4	860.62	1/4	583.61	1/4	306.60	1/4	30.42
1/2	1/2	1/2	3,898.54	1/2	3,624.88	1/2	3,347.92	1/2	3,070.91	1/2	2,793.90	1/2	2,516.89	1/2	2,239.88	1/2	1,962.88	1/2	1,685.87	1/2	1,408.86	1/2	1,131.85	1/2	854.84	1/2	577.84	1/2	300.83	1/2	26.31
3/4	3/4	3/4	3,893.24	3/4	3,619.15	3/4	3,342.15	3/4	3,065.14	3/4	2,788.13	3/4	2,511.12	3/4	2,234.11	3/4	1,957.11	3/4	1,680.10	3/4	1,403.09	3/4	1,126.08	3/4	849.07	3/4	572.07	3/4	295.06	3/4	22.19
9	9	9	3,887.94	9	3,613.38	9	3,336.37	9	3,059.37	9	2,782.36	9	2,505.35	9	2,228.34	9	1,951.33	9	1,674.33	9	1,397.32	9</									



BARGE "MM-114" MAGNOLIA MARINE

OUTAGE TABLE

4 PORT

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

HULL NO. 2157-2

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.		15 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	0	3,330.61	0	3,170.39	0	3,010.16	0	2,849.94	0	2,679.18	0	2,409.87	0	2,134.20	0	1,858.54	0	1,582.88	0	1,307.21	0	1,031.55	0	756.13	0	482.61	0	207.28		
1/4	1/4	1/4	3,327.28	1/4	3,167.05	1/4	3,006.83	1/4	2,846.60	1/4	2,674.32	1/4	2,404.13	1/4	2,128.46	1/4	1,852.80	1/4	1,577.13	1/4	1,301.47	1/4	1,025.81	1/4	750.44	1/4	476.87	1/4	201.54		
1/2	1/2	1/2	3,323.94	1/2	3,163.71	1/2	3,003.49	1/2	2,843.26	1/2	2,669.45	1/2	2,398.38	1/2	2,122.72	1/2	1,847.05	1/2	1,571.39	1/2	1,295.73	1/2	1,020.06	1/2	744.74	1/2	471.14	1/2	195.81		
3/4	3/4	3/4	3,320.60	3/4	3,160.37	3/4	3,000.15	3/4	2,839.93	3/4	2,664.59	3/4	2,392.64	3/4	2,116.98	3/4	1,841.31	3/4	1,565.65	3/4	1,289.98	3/4	1,014.32	3/4	739.05	3/4	465.40	3/4	190.07		
1	1	1	3,317.26	1	3,157.04	1	2,996.81	1	2,836.59	1	2,659.72	1	2,386.90	1	2,111.23	1	1,835.57	1	1,559.90	1	1,284.24	1	1,008.58	1	733.35	1	459.66	1	184.34		
1/4	1/4	1/4	3,313.92	1/4	3,153.70	1/4	2,993.47	1/4	2,833.25	1/4	2,654.51	1/4	2,381.15	1/4	2,105.49	1/4	1,829.83	1/4	1,554.16	1/4	1,278.50	1/4	1,002.83	1/4	727.66	1/4	453.93	1/4	178.60		
1/2	1/2	1/2	3,310.59	1/2	3,150.36	1/2	2,990.14	1/2	2,829.91	1/2	2,649.29	1/2	2,375.41	1/2	2,099.75	1/2	1,824.08	1/2	1,548.42	1/2	1,272.75	1/2	997.09	1/2	721.97	1/2	448.19	1/2	172.86		
3/4	3/4	3/4	3,307.25	3/4	3,147.02	3/4	2,986.80	3/4	2,826.57	3/4	2,644.08	3/4	2,369.67	3/4	2,094.00	3/4	1,818.34	3/4	1,542.68	3/4	1,267.01	3/4	991.35	3/4	716.27	3/4	442.46	3/4	167.13		
2	2	2	3,303.91	2	3,143.68	2	2,983.46	2	2,823.24	2	2,638.86	2	2,363.92	2	2,088.26	2	1,812.60	2	1,536.93	2	1,261.27	2	985.60	2	710.58	2	436.72	2	161.39		
1/4	1/4	1/4	3,300.57	1/4	3,140.35	1/4	2,980.12	1/4	2,819.90	1/4	2,633.30	1/4	2,358.18	1/4	2,082.52	1/4	1,806.85	1/4	1,531.19	1/4	1,255.53	1/4	979.86	1/4	704.88	1/4	430.98	1/4	155.66		
1/2	1/2	1/2	3,418.14	1/2	3,297.23	1/2	3,137.01	1/2	2,976.78	1/2	2,816.56	1/2	2,627.74	1/2	2,352.44	1/2	2,076.77	1/2	1,801.11	1/2	1,525.45	1/2	1,249.78	1/2	974.12	1/2	709.19	1/2	425.25	1/2	149.92
3/4	3/4	3/4	3,418.00	3/4	3,293.90	3/4	3,133.67	3/4	2,973.45	3/4	2,813.22	3/4	2,622.18	3/4	2,346.70	3/4	2,071.03	3/4	1,795.37	3/4	1,519.70	3/4	1,244.04	3/4	968.38	3/4	693.50	3/4	419.51	3/4	144.18
3	3	3	3,417.42	3	3,290.56	3	3,130.33	3	2,970.11	3	2,809.88	3	2,616.62	3	2,340.95	3	2,065.29	3	1,789.62	3	1,513.96	3	1,238.30	3	962.63	3	687.80	3	413.78	3	138.45
1/4	1/4	1/4	3,416.84	1/4	3,287.22	1/4	3,126.99	1/4	2,966.77	1/4	2,806.55	1/4	2,610.87	1/4	2,335.21	1/4	2,059.55	1/4	1,783.88	1/4	1,508.22	1/4	1,232.55	1/4	956.89	1/4	682.11	1/4	408.04	1/4	132.71
1/2	1/2	1/2	3,416.27	1/2	3,283.88	1/2	3,123.66	1/2	2,963.43	1/2	2,803.21	1/2	2,605.13	1/2	2,329.47	1/2	2,053.80	1/2	1,778.14	1/2	1,502.47	1/2	1,226.81	1/2	951.15	1/2	676.41	1/2	402.30	1/2	126.98
3/4	3/4	3/4	3,415.69	3/4	3,280.54	3/4	3,120.32	3/4	2,960.09	3/4	2,799.87	3/4	2,599.39	3/4	2,323.72	3/4	2,048.06	3/4	1,772.40	3/4	1,496.73	3/4	1,221.07	3/4	945.40	3/4	670.72	3/4	396.57	3/4	121.24
4	4	4	3,414.61	4	3,277.21	4	3,116.98	4	2,956.76	4	2,796.53	4	2,593.64	4	2,317.98	4	2,042.32	4	1,766.65	4	1,490.99	4	1,215.32	4	939.66	4	665.03	4	390.83	4	115.50
1/4	1/4	1/4	3,413.53	1/4	3,273.87	1/4	3,113.64	1/4	2,953.42	1/4	2,793.19	1/4	2,587.90	1/4	2,312.24	1/4	2,036.57	1/4	1,760.91	1/4	1,485.25	1/4	1,209.58	1/4	933.92	1/4	659.33	1/4	385.10	1/4	109.77
1/2	1/2	1/2	3,412.45	1/2	3,270.53	1/2	3,110.30	1/2	2,950.08	1/2	2,789.86	1/2	2,582.16	1/2	2,306.49	1/2	2,030.83	1/2	1,755.17	1/2	1,479.50	1/2	1,203.84	1/2	928.17	1/2	653.64	1/2	379.36	1/2	104.03
3/4	3/4	3/4	3,411.37	3/4	3,267.19	3/4	3,106.97	3/4	2,946.74	3/4	2,786.52	3/4	2,576.42	3/4	2,300.75	3/4	2,025.09	3/4	1,749.42	3/4	1,473.76	3/4	1,198.10	3/4	922.43	3/4	647.94	3/4	373.62	3/4	98.30
5	5	5	3,409.79	5	3,263.85	5	3,103.63	5	2,943.40	5	2,783.18	5	2,570.67	5	2,295.01	5	2,019.34	5	1,743.68	5	1,468.02	5	1,192.35	5	916.69	5	642.25	5	367.89	5	92.56
1/4	1/4	1/4	3,408.20	1/4	3,260.52	1/4	3,100.29	1/4	2,940.07	1/4	2,779.84	1/4	2,564.93	1/4	2,289.27	1/4	2,013.60	1/4	1,737.94	1/4	1,462.27	1/4	1,186.61	1/4	910.95	1/4	636.56	1/4	362.15	1/4	86.82
1/2	1/2	1/2	3,406.62	1/2	3,257.18	1/2	3,096.95	1/2	2,936.73	1/2	2,776.50	1/2	2,559.19	1/2	2,283.52	1/2	2,007.86	1/2	1,732.19	1/2	1,456.53	1/2	1,180.87	1/2	905.20	1/2	630.86	1/2	356.42	1/2	81.09
3/4	3/4	3/4	3,405.04	3/4	3,253.84	3/4	3,093.61	3/4	2,933.39	3/4	2,773.17	3/4	2,553.44	3/4	2,277.78	3/4	2,002.12	3/4	1,726.45	3/4	1,450.79	3/4	1,175.12	3/4	899.46	3/4	625.17	3/4	350.68	3/4	75.35
6	6	6	3,402.96	6	3,250.50	6	3,090.28	6	2,930.05	6	2,769.83	6	2,547.70	6	2,272.04	6	1,996.37	6	1,720.71	6	1,445.04	6	1,169.38	6	893.72	6	619.47	6	344.94	6	69.62
1/4	1/4	1/4	3,400.87	1/4	3,247.16	1/4	3,086.94	1/4	2,926.71	1/4	2,766.49	1/4	2,541.96	1/4	2,266.29	1/4	1,990.63	1/4	1,714.97	1/4	1,439.30	1/4	1,163.64	1/4	887.97	1/4	613.78	1/4	339.21	1/4	63.88
1/2	1/2	1/2	3,398.79	1/2	3,243.82	1/2	3,083.60	1/2	2,923.38	1/2	2,763.15	1/2	2,536.21	1/2	2,260.55	1/2	1,984.89	1/2	1,709.22	1/2	1,433.56	1/2	1,157.89	1/2	882.23	1/2	608.09	1/2	333.47	1/2	58.14
3/4	3/4	3/4	3,396.70	3/4	3,240.49	3/4	3,080.26	3/4	2,920.04	3/4	2,759.81	3/4	2,530.47	3/4	2,254.81	3/4	1,979.14	3/4	1,703.48	3/4	1,427.82	3/4	1,152.15	3/4	876.49	3/4	602.39	3/4	327.74	3/4	52.41
7	7	7	3,394.12	7	3,237.15	7	3,076.92	7	2,916.70	7	2,756.48	7	2,524.73	7	2,249.06	7	1,973.40	7	1,697.74	7	1,422.07	7	1,146.41	7	870.74	7	596.70	7	322.00	7	46.67
1/4	1/4	1/4	3,391.53	1/4	3,233.81	1/4	3,073.59	1/4	2,913.36	1/4	2,753.14	1/4	2,518.99	1/4	2,243.32	1/4	1,967.66	1/4	1,691.99	1/4	1,416.33	1/4	1,140.67	1/4	865.00	1/4	591.00	1/4	316.26	1/4	40.94
1/2	1/2	1/2	3,388.95	1/2	3,230.47	1/2	3,070.25	1/2	2,910.02	1/2	2,749.80	1/2	2,513.24	1/2	2,237.58	1/2	1,961.91	1/2	1,686.25	1/2	1,410.59	1/2	1,134.92	1/2	859.26	1/2	585.31	1/2	310.53	1/2	35.61
3/4	3/4	3/4	3,386.36	3/4	3,227.13	3/4	3,066.91	3/4	2,906.69	3/4	2,746.46	3/4	2,507.50	3/4	2,231.84	3/4	1,956.17	3/4	1,680.51	3/4	1,404.84	3/4	1,129.18	3/4	853.52	3/4	579.62	3/4	304.79	3/4	30.28
8	8	8	3,383.27	8	3,223.80	8	3,063.57	8	2,903.35	8	2,743.12	8	2,501.76	8	2,226.09	8	1,950.43	8	1,674.76	8	1,399.10	8	1,123.44	8	847.77	8	573.92	8	299.06	8	26.19
1/4	1/4	1/4	3,380.18	1/4	3,220.46	1/4	3,060.23	1/4	2,900.01	1/4	2,739.79	1/4	2,496.01	1/4																	



BARGE "MM-114" MAGNOLIA MARINE

OUTAGE TABLE

4 STAR

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

HULL NO. 2157-2

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.		15 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	0	3,333.95	0	3,173.73	0	3,013.50	0	2,853.28	0	2,683.70	0	2,415.61	0	2,139.95	0	1,864.28	0	1,588.62	0	1,312.96	0	1,037.29	0	761.82	0	488.34	0	213.02		
1/4	1/4	1/4	3,330.61	1/4	3,170.39	1/4	3,010.16	1/4	2,849.94	1/4	2,679.18	1/4	2,409.87	1/4	2,134.20	1/4	1,858.54	1/4	1,582.88	1/4	1,307.21	1/4	1,031.55	1/4	756.13	1/4	482.61	1/4	207.28		
1/2	1/2	1/2	3,327.28	1/2	3,167.05	1/2	3,006.83	1/2	2,846.60	1/2	2,674.32	1/2	2,404.13	1/2	2,128.46	1/2	1,852.80	1/2	1,577.13	1/2	1,301.47	1/2	1,025.81	1/2	750.44	1/2	476.87	1/2	201.54		
3/4	3/4	3/4	3,323.94	3/4	3,163.71	3/4	3,003.49	3/4	2,843.26	3/4	2,669.45	3/4	2,398.38	3/4	2,122.72	3/4	1,847.05	3/4	1,571.39	3/4	1,295.73	3/4	1,020.06	3/4	744.74	3/4	471.14	3/4	195.81		
1	1	1	3,320.60	1	3,160.37	1	3,000.15	1	2,839.93	1	2,664.59	1	2,392.64	1	2,116.98	1	1,841.31	1	1,565.65	1	1,289.98	1	1,014.32	1	739.05	1	465.40	1	190.07		
1/4	1/4	1/4	3,317.26	1/4	3,157.04	1/4	2,996.81	1/4	2,836.59	1/4	2,659.72	1/4	2,386.90	1/4	2,111.23	1/4	1,835.57	1/4	1,559.90	1/4	1,284.24	1/4	1,008.58	1/4	733.35	1/4	459.66	1/4	184.34		
1/2	1/2	1/2	3,313.92	1/2	3,153.70	1/2	2,993.47	1/2	2,833.25	1/2	2,654.51	1/2	2,381.15	1/2	2,105.49	1/2	1,829.83	1/2	1,554.16	1/2	1,278.50	1/2	1,002.83	1/2	727.66	1/2	453.93	1/2	178.60		
3/4	3/4	3/4	3,310.59	3/4	3,150.36	3/4	2,990.14	3/4	2,829.91	3/4	2,649.29	3/4	2,375.41	3/4	2,099.75	3/4	1,824.08	3/4	1,548.42	3/4	1,272.75	3/4	997.09	3/4	721.97	3/4	448.19	3/4	172.86		
2	2	2	3,307.25	2	3,147.02	2	2,986.80	2	2,826.57	2	2,644.08	2	2,369.67	2	2,094.00	2	1,818.34	2	1,542.68	2	1,267.01	2	991.35	2	716.27	2	442.46	2	167.13		
1/4	1/4	1/4	3,418.41	1/4	3,303.91	1/4	3,143.68	1/4	2,983.46	1/4	2,823.24	1/4	2,363.92	1/4	2,088.26	1/4	1,812.60	1/4	1,536.93	1/4	1,261.27	1/4	985.60	1/4	710.58	1/4	436.72	1/4	161.39		
1/2	1/2	1/2	3,418.28	1/2	3,300.57	1/2	3,140.35	1/2	2,980.12	1/2	2,819.90	1/2	2,633.30	1/2	2,358.18	1/2	2,082.52	1/2	1,806.85	1/2	1,531.19	1/2	979.86	1/2	704.88	1/2	430.98	1/2	155.66		
3/4	3/4	3/4	3,418.14	3/4	3,297.23	3/4	3,137.01	3/4	2,976.78	3/4	2,816.56	3/4	2,627.74	3/4	2,352.44	3/4	2,076.77	3/4	1,801.11	3/4	1,525.45	3/4	974.12	3/4	699.19	3/4	425.25	3/4	149.92		
3	3	3	3,418.00	3	3,293.90	3	3,133.67	3	2,973.45	3	2,813.22	3	2,622.18	3	2,346.70	3	2,071.03	3	1,795.37	3	1,519.70	3	1,244.04	3	968.38	3	693.50	3	419.51	3	144.18
1/4	1/4	1/4	3,417.42	1/4	3,290.56	1/4	3,130.33	1/4	2,970.11	1/4	2,809.88	1/4	2,616.62	1/4	2,340.95	1/4	2,065.29	1/4	1,789.62	1/4	1,513.96	1/4	1,238.30	1/4	962.63	1/4	687.80	1/4	413.78	1/4	138.45
1/2	1/2	1/2	3,416.84	1/2	3,287.22	1/2	3,126.99	1/2	2,966.77	1/2	2,806.55	1/2	2,610.87	1/2	2,335.21	1/2	2,059.55	1/2	1,783.88	1/2	1,508.22	1/2	1,232.55	1/2	956.89	1/2	682.11	1/2	408.04	1/2	132.71
3/4	3/4	3/4	3,416.27	3/4	3,283.88	3/4	3,123.66	3/4	2,963.43	3/4	2,803.21	3/4	2,605.13	3/4	2,329.47	3/4	2,053.80	3/4	1,778.14	3/4	1,502.47	3/4	1,226.81	3/4	951.15	3/4	676.41	3/4	402.30	3/4	126.98
4	4	4	3,415.69	4	3,280.54	4	3,120.32	4	2,960.09	4	2,799.87	4	2,599.39	4	2,323.72	4	2,048.06	4	1,772.40	4	1,496.73	4	1,221.07	4	945.40	4	670.72	4	396.57	4	121.24
1/4	1/4	1/4	3,414.61	1/4	3,277.21	1/4	3,116.98	1/4	2,956.76	1/4	2,796.53	1/4	2,593.64	1/4	2,317.98	1/4	2,042.32	1/4	1,766.65	1/4	1,490.99	1/4	1,215.32	1/4	939.66	1/4	665.03	1/4	390.83	1/4	115.50
1/2	1/2	1/2	3,413.53	1/2	3,273.87	1/2	3,113.64	1/2	2,953.42	1/2	2,793.19	1/2	2,587.90	1/2	2,312.24	1/2	2,036.57	1/2	1,760.91	1/2	1,485.25	1/2	1,209.58	1/2	933.92	1/2	659.33	1/2	385.10	1/2	109.77
3/4	3/4	3/4	3,412.45	3/4	3,270.53	3/4	3,110.30	3/4	2,950.08	3/4	2,789.86	3/4	2,582.16	3/4	2,306.49	3/4	2,030.83	3/4	1,755.17	3/4	1,479.50	3/4	1,203.84	3/4	928.17	3/4	653.64	3/4	379.36	3/4	104.03
5	5	5	3,411.37	5	3,267.19	5	3,106.97	5	2,946.74	5	2,786.52	5	2,576.42	5	2,300.75	5	2,025.09	5	1,749.42	5	1,473.76	5	1,198.10	5	922.43	5	647.94	5	373.62	5	98.30
1/4	1/4	1/4	3,409.79	1/4	3,263.85	1/4	3,103.63	1/4	2,943.40	1/4	2,783.18	1/4	2,570.67	1/4	2,295.01	1/4	2,019.34	1/4	1,743.68	1/4	1,468.02	1/4	1,192.35	1/4	916.69	1/4	642.25	1/4	367.89	1/4	92.56
1/2	1/2	1/2	3,408.20	1/2	3,260.52	1/2	3,100.29	1/2	2,940.07	1/2	2,779.84	1/2	2,564.93	1/2	2,289.27	1/2	2,013.60	1/2	1,737.94	1/2	1,462.27	1/2	1,186.61	1/2	910.95	1/2	636.56	1/2	362.15	1/2	86.82
3/4	3/4	3/4	3,406.62	3/4	3,257.18	3/4	3,096.95	3/4	2,936.73	3/4	2,776.50	3/4	2,559.19	3/4	2,283.52	3/4	2,007.86	3/4	1,732.19	3/4	1,456.53	3/4	1,180.87	3/4	905.20	3/4	630.86	3/4	356.42	3/4	81.09
6	6	6	3,405.04	6	3,253.84	6	3,093.61	6	2,933.39	6	2,773.17	6	2,553.44	6	2,277.78	6	2,002.12	6	1,726.45	6	1,450.79	6	1,175.12	6	899.46	6	625.17	6	350.68	6	75.35
1/4	1/4	1/4	3,402.96	1/4	3,250.50	1/4	3,090.28	1/4	2,930.05	1/4	2,769.83	1/4	2,547.70	1/4	2,272.04	1/4	1,996.37	1/4	1,720.71	1/4	1,445.04	1/4	1,169.38	1/4	893.72	1/4	619.47	1/4	344.94	1/4	69.62
1/2	1/2	1/2	3,400.87	1/2	3,247.16	1/2	3,086.94	1/2	2,926.71	1/2	2,766.49	1/2	2,541.96	1/2	2,266.29	1/2	1,990.63	1/2	1,714.97	1/2	1,439.30	1/2	1,163.64	1/2	887.97	1/2	613.78	1/2	339.21	1/2	63.88
3/4	3/4	3/4	3,398.79	3/4	3,243.82	3/4	3,083.60	3/4	2,923.38	3/4	2,763.15	3/4	2,536.21	3/4	2,260.55	3/4	1,984.89	3/4	1,709.22	3/4	1,433.56	3/4	1,157.89	3/4	882.23	3/4	608.09	3/4	333.47	3/4	58.14
7	7	7	3,396.70	7	3,240.49	7	3,080.26	7	2,920.04	7	2,759.81	7	2,530.47	7	2,254.81	7	1,979.14	7	1,703.48	7	1,427.82	7	1,152.15	7	876.49	7	602.39	7	327.74	7	52.41
1/4	1/4	1/4	3,394.12	1/4	3,237.15	1/4	3,076.92	1/4	2,916.70	1/4	2,756.48	1/4	2,524.73	1/4	2,249.06	1/4	1,973.40	1/4	1,697.74	1/4	1,422.07	1/4	1,146.41	1/4	870.74	1/4	596.70	1/4	322.00	1/4	46.67
1/2	1/2	1/2	3,391.53	1/2	3,233.81	1/2	3,073.59	1/2	2,913.36	1/2	2,753.14	1/2	2,518.99	1/2	2,243.32	1/2	1,967.66	1/2	1,691.99	1/2	1,416.33	1/2	1,140.67	1/2	865.00	1/2	591.00	1/2	316.26	1/2	40.94
3/4	3/4	3/4	3,388.95	3/4	3,230.47	3/4	3,070.25	3/4	2,910.02	3/4	2,749.80	3/4	2,513.24	3/4	2,237.58	3/4	1,961.91	3/4	1,686.25	3/4	1,410.59	3/4	1,134.92	3/4	859.26	3/4	585.31	3/4	310.53	3/4	35.61
8	8	8	3,386.36	8	3,227.13	8	3,066.91	8	2,906.69	8	2,746.46	8	2,507.50	8	2,231.84	8	1,956.17	8	1,680.51	8	1,404.84	8	1,129.18	8	853.52	8	579.62	8	304.79	8	30.28
1/4	1/4	1/4	3,383.27	1/4	3,223.80	1/4	3,063.57	1/4	2,903.35	1/4	2,743.12	1/4	2,501.76	1/4	2,226.09	1/4	1,950.43	1/4	1,674.76	1/4	1,399.10	1/4	1,123.44	1/4	847.77	1/4	573.92	1/4	299.06	1/4	26.19
1/2	1/2	1/2	3,380.18	1/2	3,220.46	1/2	3,060.23	1/2	2,900.01	1/2	2,739.79	1/2	2,496.01	1/2	2,220.35	1/2	1,944.69	1/2	1,669.02	1/2	1,393.36	1/2	1,117.69	1/2	842.03	1/2	568.23	1/2	293.32	1/2	22.09
3/4	3/4	3/4	3,377.10	3/4	3,217.12	3/4	3,056.90	3/4	2,896.67	3/4	2,736.27	3/4	2,490.27	3/4	2,214.61	3/4	1,938.94	3/4	1,663.28	3/4	1,387.61	3/4	1,111.95	3/4	836.29	3/4	562.53	3/4	287.58	3/4	17.99
9	9	9	3,374.01	9	3,213.78	9	3,053.56	9	2,893.33	9	2,732.75	9	2,484.53	9	2,208.86	9	1,933.20	9	1,657.54	9	1,381.87	9	1,106.								

BARGE "MM-114" MAGNOLIA MARINE

TANK NO. 0
OUTAGE TABLE

REFERENCE GAUGE HEIGHT 0

SHEET NO. 2 OF 2

	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.	20 FT.	21 FT.	22 FT.	23 FT.	24 FT.	25 FT.	26 FT.	27 FT.	28 FT.	29 FT.
0	213.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	207.28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	201.54	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	195.81	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	190.07	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	184.34	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	178.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	172.86	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	167.13	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	161.39	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155.66	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	149.92	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	144.18	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	138.45	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	132.71	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	126.98	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	121.24	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	115.50	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109.77	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	104.03	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	98.30	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	92.56	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	86.82	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81.09	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	75.35	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	69.62	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63.88	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58.14	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	52.41	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	46.67	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	40.94	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	35.61	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	30.28	8	8	8	8	8	8	8	8	8	8	8	8	8	8
9	26.19	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
9	22.09	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
9	17.99	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	13.89	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS