



BARGE "MM-113"
MAGNOLIA MARINE

OUTAGE TABLE

1 PORT

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

HULL NO. 2157-1

Table with columns for depth (0 FT. to 15 FT.) and rows for gauge height (0, 1/4, 1/2, 3/4). Each cell contains capacity values in barrels.

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 11/8/06

* CAPACITY BELOW STRIKE POINT

REFERENCE GAUGE HEIGHT : 15'-4" (RIM OF 8" DIAMETER HATCH LOCATED NEAR CENTER OF TANK)

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



BARGE "MM-113" MAGNOLIA MARINE

OUTAGE TABLE

1 STAR

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

HULL NO. 2157-1

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.	
0		0	3,479.88	0	3,262.85	0	3,016.20	0	2,768.90	0	2,521.61	0	2,274.31	0	2,027.02	0	1,779.72	0	1,532.42	0	1,285.13	0	1,037.83	0	790.54	0	549.44	0	302.71	0	78.54
1/4		1/4	3,478.22	1/4	3,257.74	1/4	3,011.05	1/4	2,763.75	1/4	2,516.46	1/4	2,269.16	1/4	2,021.86	1/4	1,774.57	1/4	1,527.27	1/4	1,279.98	1/4	1,032.68	1/4	785.38	1/4	544.42	1/4	297.62	1/4	74.20
1/2		1/2	3,475.79	1/2	3,252.64	1/2	3,005.90	1/2	2,758.60	1/2	2,511.30	1/2	2,264.01	1/2	2,016.71	1/2	1,769.42	1/2	1,522.12	1/2	1,274.82	1/2	1,027.53	1/2	780.36	1/2	539.27	1/2	292.66	1/2	69.98
3/4		3/4	3,473.36	3/4	3,247.54	3/4	3,000.74	3/4	2,753.45	3/4	2,506.15	3/4	2,258.86	3/4	2,011.56	3/4	1,764.26	3/4	1,516.97	3/4	1,269.67	3/4	1,022.38	3/4	775.34	3/4	534.12	3/4	287.69	3/4	65.76
1		1	3,470.93	1	3,244.44	1	2,995.59	1	2,748.30	1	2,501.00	1	2,253.70	1	2,006.41	1	1,759.11	1	1,511.82	1	1,264.52	1	1,017.22	1	770.32	1	528.97	1	282.73	1	61.54
1/4		1/4	3,468.50	1/4	3,237.34	1/4	2,990.44	1/4	2,743.14	1/4	2,495.85	1/4	2,248.55	1/4	2,001.26	1/4	1,753.96	1/4	1,506.66	1/4	1,259.37	1/4	1,012.07	1/4	765.30	1/4	523.82	1/4	277.76	1/4	57.32
1/2		1/2	3,465.30	1/2	3,232.23	1/2	2,985.29	1/2	2,737.99	1/2	2,490.70	1/2	2,243.40	1/2	1,996.10	1/2	1,748.81	1/2	1,501.51	1/2	1,254.22	1/2	1,006.92	1/2	760.28	1/2	518.66	1/2	272.79	1/2	53.10
3/4		3/4	3,462.11	3/4	3,227.13	3/4	2,980.14	3/4	2,732.84	3/4	2,485.54	3/4	2,238.25	3/4	1,990.95	3/4	1,743.66	3/4	1,496.36	3/4	1,249.06	3/4	1,001.77	3/4	755.26	3/4	513.51	3/4	267.83	3/4	48.88
2		2	3,458.91	2	3,222.03	2	2,974.98	2	2,727.69	2	2,480.39	2	2,233.10	2	1,985.80	2	1,738.50	2	1,491.21	2	1,243.91	2	996.62	2	750.24	2	508.36	2	262.86	2	44.66
1/4		1/4	3,455.72	1/4	3,216.93	1/4	2,969.83	1/4	2,722.54	1/4	2,475.24	1/4	2,227.94	1/4	1,980.65	1/4	1,733.35	1/4	1,486.06	1/4	1,238.76	1/4	991.46	1/4	745.22	1/4	503.21	1/4	257.90	1/4	40.44
1/2		1/2	3,451.76	1/2	3,211.83	1/2	2,964.68	1/2	2,717.38	1/2	2,470.09	1/2	2,222.79	1/2	1,975.50	1/2	1,728.20	1/2	1,480.90	1/2	1,233.61	1/2	986.31	1/2	740.20	1/2	498.06	1/2	253.05	1/2	36.35
3/4		3/4	3,447.80	3/4	3,206.72	3/4	2,959.53	3/4	2,712.23	3/4	2,464.94	3/4	2,217.64	3/4	1,970.34	3/4	1,723.05	3/4	1,475.75	3/4	1,228.46	3/4	981.16	3/4	735.18	3/4	492.90	3/4	248.21	3/4	32.25
3		3	3,443.85	3	3,201.62	3	2,954.38	3	2,707.08	3	2,459.78	3	2,212.49	3	1,965.19	3	1,717.90	3	1,470.60	3	1,223.30	3	976.01	3	730.16	3	487.75	3	243.37	3	28.41
1/4		1/4	3,439.89	1/4	3,196.52	1/4	2,949.22	1/4	2,701.93	1/4	2,454.63	1/4	2,207.34	1/4	1,960.04	1/4	1,712.74	1/4	1,465.45	1/4	1,218.15	1/4	970.86	1/4	725.14	1/4	482.60	1/4	238.53	1/4	24.57
1/2		1/2	3,435.17	1/2	3,191.37	1/2	2,944.07	1/2	2,696.78	1/2	2,449.48	1/2	2,202.18	1/2	1,954.89	1/2	1,707.59	1/2	1,460.30	1/2	1,213.00	1/2	965.70	1/2	720.12	1/2	477.45	1/2	233.69	1/2	21.49
3/4		3/4	3,430.45	3/4	3,186.22	3/4	2,938.92	3/4	2,691.62	3/4	2,444.33	3/4	2,197.03	3/4	1,949.74	3/4	1,702.44	3/4	1,455.14	3/4	1,207.85	3/4	960.55	3/4	715.10	3/4	472.30	3/4	228.84	3/4	18.41
4		4	3,425.73	4	3,181.06	4	2,933.77	4	2,686.47	4	2,439.18	4	2,191.88	4	1,944.58	4	1,697.29	4	1,449.99	4	1,202.70	4	955.40	4	710.08	4	467.14	4	224.00	4	15.33
1/4		1/4	3,421.01	1/4	3,175.91	1/4	2,928.62	1/4	2,681.32	1/4	2,434.02	1/4	2,186.73	1/4	1,939.43	1/4	1,692.14	1/4	1,444.84	1/4	1,197.54	1/4	950.25	1/4	705.06	1/4	461.99	1/4	219.16	1/4	* 12.25
1/2		1/2	3,415.91	1/2	3,170.76	1/2	2,923.46	1/2	2,676.17	1/2	2,428.87	1/2	2,181.58	1/2	1,934.28	1/2	1,686.98	1/2	1,439.69	1/2	1,192.39	1/2	945.10	1/2	700.04	1/2	456.84	1/2	214.44	1/2	
3/4		3/4	3,410.80	3/4	3,165.61	3/4	2,918.31	3/4	2,671.02	3/4	2,423.72	3/4	2,176.42	3/4	1,929.13	3/4	1,681.83	3/4	1,434.54	3/4	1,187.24	3/4	939.94	3/4	695.02	3/4	451.69	3/4	209.73	3/4	
5		5	3,405.70	5	3,160.46	5	2,913.16	5	2,665.86	5	2,418.57	5	2,171.27	5	1,923.98	5	1,676.68	5	1,429.38	5	1,182.09	5	934.79	5	690.00	5	446.54	5	205.01	5	
1/4		1/4	3,400.60	1/4	3,155.30	1/4	2,908.01	1/4	2,660.71	1/4	2,413.42	1/4	2,166.12	1/4	1,918.82	1/4	1,671.53	1/4	1,424.23	1/4	1,176.94	1/4	929.64	1/4	684.98	1/4	441.38	1/4	200.30	1/4	
1/2		1/2	3,395.50	1/2	3,150.15	1/2	2,902.86	1/2	2,655.56	1/2	2,408.26	1/2	2,160.97	1/2	1,913.67	1/2	1,666.38	1/2	1,419.08	1/2	1,171.78	1/2	924.49	1/2	679.96	1/2	436.23	1/2	195.58	1/2	
3/4		3/4	3,390.40	3/4	3,145.00	3/4	2,897.70	3/4	2,650.41	3/4	2,403.11	3/4	2,155.82	3/4	1,908.52	3/4	1,661.22	3/4	1,413.93	3/4	1,166.63	3/4	919.34	3/4	674.94	3/4	431.08	3/4	190.86	3/4	
6		6	3,385.29	6	3,139.85	6	2,892.55	6	2,645.26	6	2,397.96	6	2,150.66	6	1,903.37	6	1,656.07	6	1,408.78	6	1,161.48	6	914.18	6	669.92	6	425.93	6	186.15	6	
1/4		1/4	3,380.19	1/4	3,134.70	1/4	2,887.40	1/4	2,640.10	1/4	2,392.81	1/4	2,145.51	1/4	1,898.22	1/4	1,650.92	1/4	1,403.62	1/4	1,156.33	1/4	909.03	1/4	664.90	1/4	420.78	1/4	181.43	1/4	
1/2		1/2	3,375.09	1/2	3,129.54	1/2	2,882.25	1/2	2,634.95	1/2	2,387.66	1/2	2,140.36	1/2	1,893.06	1/2	1,645.77	1/2	1,398.47	1/2	1,151.18	1/2	903.88	1/2	659.88	1/2	415.62	1/2	176.84	1/2	
3/4		3/4	3,369.99	3/4	3,124.39	3/4	2,877.10	3/4	2,629.80	3/4	2,382.50	3/4	2,135.21	3/4	1,887.91	3/4	1,640.62	3/4	1,393.32	3/4	1,146.02	3/4	898.73	3/4	654.86	3/4	410.47	3/4	172.25	3/4	
7		7	3,364.89	7	3,119.24	7	2,871.94	7	2,624.65	7	2,377.35	7	2,130.06	7	1,882.76	7	1,635.46	7	1,388.17	7	1,140.87	7	893.58	7	649.84	7	405.32	7	167.66	7	
1/4		1/4	3,359.78	1/4	3,114.09	1/4	2,866.79	1/4	2,619.50	1/4	2,372.20	1/4	2,124.90	1/4	1,877.61	1/4	1,630.31	1/4	1,383.02	1/4	1,135.72	1/4	888.42	1/4	644.82	1/4	400.17	1/4	163.06	1/4	
1/2		1/2	3,354.68	1/2	3,108.94	1/2	2,861.64	1/2	2,614.34	1/2	2,367.05	1/2	2,119.75	1/2	1,872.46	1/2	1,625.16	1/2	1,377.86	1/2	1,130.57	1/2	883.27	1/2	639.80	1/2	395.02	1/2	158.47	1/2	
3/4		3/4	3,349.58	3/4	3,103.78	3/4	2,856.49	3/4	2,609.19	3/4	2,361.90	3/4	2,114.60	3/4	1,867.30	3/4	1,620.01	3/4	1,372.71	3/4	1,125.42	3/4	878.12	3/4	634.78	3/4	389.86	3/4	153.88	3/4	
8		8	3,344.48	8	3,098.63	8	2,851.34	8	2,604.04	8	2,356.74	8	2,109.45	8	1,862.15	8	1,614.86	8	1,367.56	8	1,120.26	8	872.97	8	629.76	8	384.71	8	149.29	8	
1/4		1/4	3,339.38	1/4	3,093.48	1/4	2,846.18	1/4	2,598.89	1/4	2,351.59	1/4	2,104.30	1/4	1,857.00	1/4	1,609.70	1/4	1,362.41	1/4	1,115.11	1/4	867.82	1/4	624.74	1/4	379.56	1/4	144.70	1/4	
1/2		1/2	3,334.27	1/2	3,088.33	1/2	2,841.03	1/2	2,593.74	1/2	2,346.44	1/2	2,099.14	1/2	1,851.85	1/2	1,604.55	1/2	1,357.26	1/2	1,109.96	1/2	862.66	1/2	619.72	1/2	374.41	1/2	140.23	1/2	
3/4		3/4	3,329.17	3/4	3,083.18	3/4	2,835.88	3/4	2,588.58	3/4	2,341.29	3/4	2,093.99	3/4	1,846.70	3/4	1,599.40	3/4	1,352.10	3/4	1,104.81	3/4	857.51	3/4	614.70	3/4	369.26	3/4	135.76	3/4	
9		9	3,324.07	9	3,078.02	9	2,830.73	9	2,583.43	9	2,336.14	9	2,088.84	9	1,841.54	9	1,594.25	9	1,346.95	9	1,099.66	9	852.36	9	609.68	9	364.10	9	131.29	9	
1/4		1/4	3,318.97	1/4	3,072.87	1/4	2,825.58	1/4	2,578.28	1/4	2,330.98	1/4	2,083.69	1/4	1,836.39	1/4	1,589.10	1/4	1,341.80	1/4	1,094.50	1/4	8								



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OUTAGE TABLE

2 PORT OR STAR

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

HULL NO. 2157-1

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		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	3,921.61	0	3,668.36	0	3,393.18	0	3,117.66	0	2,842.14	0	2,566.62	0	2,291.10	0	2,015.58	0	1,740.06	0	1,464.54	0	1,189.02	0	913.50	0	637.98	0	362.46	0	86.94
1/4		1/4	3,918.84	1/4	3,662.65	1/4	3,387.44	1/4	3,111.92	1/4	2,836.40	1/4	2,560.88	1/4	2,285.36	1/4	2,009.84	1/4	1,734.32	1/4	1,458.80	1/4	1,183.28	1/4	907.76	1/4	632.24	1/4	356.72	1/4	81.20
1/2		1/2	3,916.08	1/2	3,656.94	1/2	3,381.70	1/2	3,106.18	1/2	2,830.66	1/2	2,555.14	1/2	2,279.62	1/2	2,004.10	1/2	1,728.58	1/2	1,453.06	1/2	1,177.54	1/2	902.02	1/2	626.50	1/2	350.98	1/2	75.46
3/4		3/4	3,912.46	3/4	3,651.23	3/4	3,375.96	3/4	3,100.44	3/4	2,824.92	3/4	2,549.40	3/4	2,273.88	3/4	1,998.36	3/4	1,722.84	3/4	1,447.32	3/4	1,171.80	3/4	896.28	3/4	620.76	3/4	345.24	3/4	69.72
1		1	3,908.84	1	3,645.52	1	3,370.22	1	3,094.70	1	2,819.18	1	2,543.66	1	2,268.14	1	1,992.62	1	1,717.10	1	1,441.58	1	1,166.06	1	890.54	1	615.02	1	339.50	1	63.98
1/4		1/4	3,905.22	1/4	3,639.80	1/4	3,364.48	1/4	3,088.96	1/4	2,813.44	1/4	2,537.92	1/4	2,262.40	1/4	1,986.88	1/4	1,711.36	1/4	1,435.84	1/4	1,160.32	1/4	884.80	1/4	609.28	1/4	333.76	1/4	58.24
1/2		1/2	3,901.60	1/2	3,634.09	1/2	3,358.74	1/2	3,083.22	1/2	2,807.70	1/2	2,532.18	1/2	2,256.66	1/2	1,981.14	1/2	1,705.62	1/2	1,430.10	1/2	1,154.58	1/2	879.06	1/2	603.54	1/2	328.02	1/2	52.50
3/4		3/4	3,897.12	3/4	3,628.38	3/4	3,353.00	3/4	3,077.48	3/4	2,801.96	3/4	2,526.44	3/4	2,250.92	3/4	1,975.40	3/4	1,699.88	3/4	1,424.36	3/4	1,148.84	3/4	873.32	3/4	597.80	3/4	322.28	3/4	46.76
2		2	3,892.65	2	3,622.67	2	3,347.26	2	3,071.74	2	2,796.22	2	2,520.70	2	2,245.18	2	1,969.66	2	1,694.14	2	1,418.62	2	1,143.10	2	867.58	2	592.06	2	316.54	2	41.02
1/4		1/4	3,888.18	1/4	3,616.96	1/4	3,341.52	1/4	3,066.00	1/4	2,790.48	1/4	2,514.96	1/4	2,239.44	1/4	1,963.92	1/4	1,688.40	1/4	1,412.88	1/4	1,137.36	1/4	861.84	1/4	586.32	1/4	310.80	1/4	35.68
1/2		1/2	3,883.71	1/2	3,611.24	1/2	3,335.78	1/2	3,060.26	1/2	2,784.74	1/2	2,509.22	1/2	2,233.70	1/2	1,958.18	1/2	1,682.66	1/2	1,407.14	1/2	1,131.62	1/2	856.10	1/2	580.58	1/2	305.06	1/2	30.34
3/4		3/4	3,878.42	3/4	3,605.53	3/4	3,330.04	3/4	3,054.52	3/4	2,779.00	3/4	2,503.48	3/4	2,227.96	3/4	1,952.44	3/4	1,676.92	3/4	1,401.40	3/4	1,125.88	3/4	850.36	3/4	574.84	3/4	299.32	3/4	26.23
3		3	3,873.14	3	3,599.82	3	3,324.30	3	3,048.78	3	2,773.26	3	2,497.74	3	2,222.22	3	1,946.70	3	1,671.18	3	1,395.66	3	1,120.14	3	844.62	3	569.10	3	293.58	3	22.13
1/4		1/4	3,867.86	1/4	3,594.08	1/4	3,318.56	1/4	3,043.04	1/4	2,767.52	1/4	2,492.00	1/4	2,216.48	1/4	1,940.96	1/4	1,665.44	1/4	1,389.92	1/4	1,114.40	1/4	838.88	1/4	563.36	1/4	287.84	1/4	18.02
1/2		1/2	3,862.57	1/2	3,588.34	1/2	3,312.82	1/2	3,037.30	1/2	2,761.78	1/2	2,486.26	1/2	2,210.74	1/2	1,935.22	1/2	1,659.70	1/2	1,384.18	1/2	1,108.66	1/2	833.14	1/2	557.62	1/2	282.10	1/2	* 13.92
3/4		3/4	3,856.86	3/4	3,582.60	3/4	3,307.08	3/4	3,031.56	3/4	2,756.04	3/4	2,480.52	3/4	2,205.00	3/4	1,929.48	3/4	1,653.96	3/4	1,378.44	3/4	1,102.92	3/4	827.40	3/4	551.88	3/4	276.36	3/4	
4		4	3,851.15	4	3,576.86	4	3,301.34	4	3,025.82	4	2,750.30	4	2,474.78	4	2,199.26	4	1,923.74	4	1,648.22	4	1,372.70	4	1,097.18	4	821.66	4	546.14	4	270.62	4	
1/4		1/4	3,845.44	1/4	3,571.12	1/4	3,295.60	1/4	3,020.08	1/4	2,744.56	1/4	2,469.04	1/4	2,193.52	1/4	1,918.00	1/4	1,642.48	1/4	1,366.96	1/4	1,091.44	1/4	815.92	1/4	540.40	1/4	264.88	1/4	
1/2		1/2	3,839.72	1/2	3,565.38	1/2	3,289.86	1/2	3,014.34	1/2	2,738.82	1/2	2,463.30	1/2	2,187.78	1/2	1,912.26	1/2	1,636.74	1/2	1,361.22	1/2	1,085.70	1/2	810.18	1/2	534.66	1/2	259.14	1/2	
3/4		3/4	3,834.01	3/4	3,559.64	3/4	3,284.12	3/4	3,008.60	3/4	2,733.08	3/4	2,457.56	3/4	2,182.04	3/4	1,906.52	3/4	1,631.00	3/4	1,355.48	3/4	1,079.96	3/4	804.44	3/4	528.92	3/4	253.40	3/4	
5		5	3,828.30	5	3,553.90	5	3,278.38	5	3,002.86	5	2,727.34	5	2,451.82	5	2,176.30	5	1,900.78	5	1,625.26	5	1,349.74	5	1,074.22	5	798.70	5	523.18	5	247.66	5	
1/4		1/4	3,822.59	1/4	3,548.16	1/4	3,272.64	1/4	2,997.12	1/4	2,721.60	1/4	2,446.08	1/4	2,170.56	1/4	1,895.04	1/4	1,619.52	1/4	1,344.00	1/4	1,068.48	1/4	792.96	1/4	517.44	1/4	241.92	1/4	
1/2		1/2	3,816.88	1/2	3,542.42	1/2	3,266.90	1/2	2,991.38	1/2	2,715.86	1/2	2,440.34	1/2	2,164.82	1/2	1,889.30	1/2	1,613.78	1/2	1,338.26	1/2	1,062.74	1/2	787.22	1/2	511.70	1/2	236.18	1/2	
3/4		3/4	3,811.16	3/4	3,536.68	3/4	3,261.16	3/4	2,985.64	3/4	2,710.12	3/4	2,434.60	3/4	2,159.08	3/4	1,883.56	3/4	1,608.04	3/4	1,332.52	3/4	1,057.00	3/4	781.48	3/4	505.96	3/4	230.44	3/4	
6		6	3,805.45	6	3,530.94	6	3,255.42	6	2,979.90	6	2,704.38	6	2,428.86	6	2,153.34	6	1,877.82	6	1,602.30	6	1,326.78	6	1,051.26	6	775.74	6	500.22	6	224.70	6	
1/4		1/4	3,799.74	1/4	3,525.20	1/4	3,249.68	1/4	2,974.16	1/4	2,698.64	1/4	2,423.12	1/4	2,147.60	1/4	1,872.08	1/4	1,596.56	1/4	1,321.04	1/4	1,045.52	1/4	770.00	1/4	494.48	1/4	218.96	1/4	
1/2		1/2	3,794.03	1/2	3,519.46	1/2	3,243.94	1/2	2,968.42	1/2	2,692.90	1/2	2,417.38	1/2	2,141.86	1/2	1,866.34	1/2	1,590.82	1/2	1,315.30	1/2	1,039.78	1/2	764.26	1/2	488.74	1/2	213.22	1/2	
3/4		3/4	3,788.32	3/4	3,513.72	3/4	3,238.20	3/4	2,962.68	3/4	2,687.16	3/4	2,411.64	3/4	2,136.12	3/4	1,860.60	3/4	1,585.08	3/4	1,309.56	3/4	1,034.04	3/4	758.52	3/4	483.00	3/4	207.48	3/4	
7		7	3,782.60	7	3,507.98	7	3,232.46	7	2,956.94	7	2,681.42	7	2,405.90	7	2,130.38	7	1,854.86	7	1,579.34	7	1,303.82	7	1,028.30	7	752.78	7	477.26	7	201.74	7	
1/4		1/4	3,776.89	1/4	3,502.24	1/4	3,226.72	1/4	2,951.20	1/4	2,675.68	1/4	2,400.16	1/4	2,124.64	1/4	1,849.12	1/4	1,573.60	1/4	1,298.08	1/4	1,022.56	1/4	747.04	1/4	471.52	1/4	196.00	1/4	
1/2		1/2	3,771.18	1/2	3,496.50	1/2	3,220.98	1/2	2,945.46	1/2	2,669.94	1/2	2,394.42	1/2	2,118.90	1/2	1,843.38	1/2	1,567.86	1/2	1,292.34	1/2	1,016.82	1/2	741.30	1/2	465.78	1/2	190.26	1/2	
3/4		3/4	3,765.47	3/4	3,490.76	3/4	3,215.24	3/4	2,939.72	3/4	2,664.20	3/4	2,388.68	3/4	2,113.16	3/4	1,837.64	3/4	1,562.12	3/4	1,286.60	3/4	1,011.08	3/4	735.56	3/4	460.04	3/4	184.52	3/4	
8		8	3,759.76	8	3,485.02	8	3,209.50	8	2,933.98	8	2,658.46	8	2,382.94	8	2,107.42	8	1,831.90	8	1,556.38	8	1,280.86	8	1,005.34	8	729.82	8	454.30	8	178.78	8	
1/4		1/4	3,754.04	1/4	3,479.28	1/4	3,203.76	1/4	2,928.24	1/4	2,652.72	1/4	2,377.20	1/4	2,101.68	1/4	1,826.16	1/4													

BARGE "MM-113" 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	86.94	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	81.20	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	75.46	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	69.72	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	63.98	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	58.24	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	52.50	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	46.76	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	41.02	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	35.68	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	30.34	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	26.23	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	22.13	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/2	18.02	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	13.92	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
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	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	1/4
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
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
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
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
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
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
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
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
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
9	9	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



BARGE "MM-113" MAGNOLIA MARINE

OUTAGE TABLE

3 PORT

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

HULL NO. 2157-1

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		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0	3,930.96	0	3,671.82	0	3,395.67	0	3,119.00	0	2,842.32	0	2,565.65	0	2,288.98	0	2,012.31	0	1,735.64	0	1,458.96	0	1,182.29	0	905.62	0	628.95	0	352.28	0	75.60		
1/4		1/4	3,927.34	1/4	3,666.11	1/4	3,389.90	1/4	3,113.23	1/4	2,836.56	1/4	2,559.89	1/4	2,283.22	1/4	2,006.54	1/4	1,729.87	1/4	1,453.20	1/4	1,176.53	1/4	899.86	1/4	623.18	1/4	346.51	1/4	69.84		
1/2		1/2	3,923.72	1/2	3,660.40	1/2	3,384.14	1/2	3,107.47	1/2	2,830.80	1/2	2,554.12	1/2	2,277.45	1/2	2,000.78	1/2	1,724.11	1/2	1,447.44	1/2	1,170.76	1/2	894.09	1/2	617.42	1/2	340.75	1/2	64.08		
3/4		3/4	3,920.10	3/4	3,654.68	3/4	3,378.38	3/4	3,101.70	3/4	2,825.03	3/4	2,548.36	3/4	2,271.69	3/4	1,995.02	3/4	1,718.34	3/4	1,441.67	3/4	1,165.00	3/4	888.33	3/4	611.66	3/4	334.98	3/4	58.31		
1		1	3,916.48	1	3,648.97	1	3,372.61	1	3,095.94	1	2,819.27	1	2,542.60	1	2,265.92	1	1,989.25	1	1,712.58	1	1,435.91	1	1,159.24	1	882.56	1	605.89	1	329.22	1	52.55		
1/4		1/4	3,912.00	1/4	3,643.26	1/4	3,366.85	1/4	3,090.18	1/4	2,813.50	1/4	2,536.83	1/4	2,260.16	1/4	1,983.49	1/4	1,706.82	1/4	1,430.14	1/4	1,153.47	1/4	876.80	1/4	600.13	1/4	323.46	1/4	46.78		
1/2		1/2	3,907.53	1/2	3,637.55	1/2	3,361.08	1/2	3,084.41	1/2	2,807.74	1/2	2,531.07	1/2	2,254.40	1/2	1,977.72	1/2	1,701.05	1/2	1,424.38	1/2	1,147.71	1/2	871.04	1/2	594.36	1/2	313.69	1/2	41.02		
3/4		3/4	3,903.06	3/4	3,631.84	3/4	3,355.32	3/4	3,078.65	3/4	2,801.98	3/4	2,525.30	3/4	2,248.63	3/4	1,971.96	3/4	1,695.29	3/4	1,418.62	3/4	1,141.94	3/4	865.27	3/4	588.60	3/4	311.93	3/4	35.68		
2		2	3,898.59	2	3,626.12	2	3,349.56	2	3,072.88	2	2,796.21	2	2,519.54	2	2,242.87	2	1,966.20	2	1,689.52	2	1,412.85	2	1,136.18	2	859.51	2	582.84	2	306.16	2	30.34		
1/4		1/4	3,893.30	1/4	3,620.41	1/4	3,343.79	1/4	3,067.12	1/4	2,790.45	1/4	2,513.78	1/4	2,237.10	1/4	1,960.43	1/4	1,683.76	1/4	1,407.09	1/4	1,130.42	1/4	853.74	1/4	577.07	1/4	300.40	1/4	26.23		
1/2		1/2	3,888.02	1/2	3,614.70	1/2	3,338.03	1/2	3,061.36	1/2	2,784.68	1/2	2,508.01	1/2	2,231.34	1/2	1,954.67	1/2	1,678.00	1/2	1,401.32	1/2	1,124.65	1/2	847.98	1/2	571.31	1/2	294.64	1/2	22.13		
3/4		3/4	3,882.74	3/4	3,608.94	3/4	3,332.26	3/4	3,055.59	3/4	2,778.92	3/4	2,502.25	3/4	2,225.58	3/4	1,948.90	3/4	1,672.23	3/4	1,395.56	3/4	1,118.89	3/4	842.22	3/4	565.54	3/4	288.87	3/4	18.02		
3		3	3,877.45	3	3,603.17	3	3,326.50	3	3,049.83	3	2,773.16	3	2,496.48	3	2,219.81	3	1,943.14	3	1,666.47	3	1,389.80	3	1,113.12	3	836.45	3	559.78	3	283.11	3	* 13.92		
1/4		1/4	3,871.74	1/4	3,597.41	1/4	3,320.74	1/4	3,044.06	1/4	2,767.39	1/4	2,490.72	1/4	2,214.05	1/4	1,937.38	1/4	1,660.70	1/4	1,384.03	1/4	1,107.36	1/4	830.69	1/4	554.02	1/4	277.34	1/4			
1/2		1/2	3,866.03	1/2	3,591.64	1/2	3,314.97	1/2	3,038.30	1/2	2,761.63	1/2	2,484.96	1/2	2,208.28	1/2	1,931.61	1/2	1,654.94	1/2	1,378.27	1/2	1,101.60	1/2	824.92	1/2	548.25	1/2	271.58	1/2			
3/4		3/4	3,860.32	3/4	3,585.88	3/4	3,309.21	3/4	3,032.54	3/4	2,755.86	3/4	2,479.19	3/4	2,202.52	3/4	1,925.85	3/4	1,649.18	3/4	1,372.50	3/4	1,095.83	3/4	819.16	3/4	542.49	3/4	265.82	3/4			
4		4	3,854.60	4	3,580.12	4	3,303.44	4	3,026.77	4	2,750.10	4	2,473.43	4	2,196.76	4	1,920.08	4	1,643.41	4	1,366.74	4	1,090.07	4	813.40	4	536.72	4	260.05	4			
1/4		1/4	3,848.89	1/4	3,574.35	1/4	3,297.68	1/4	3,021.01	1/4	2,744.34	1/4	2,467.66	1/4	2,190.99	1/4	1,914.32	1/4	1,637.65	1/4	1,360.98	1/4	1,084.30	1/4	807.63	1/4	530.96	1/4	254.29	1/4			
1/2		1/2	3,843.18	1/2	3,568.59	1/2	3,291.92	1/2	3,015.24	1/2	2,738.57	1/2	2,461.90	1/2	2,185.23	1/2	1,908.56	1/2	1,631.88	1/2	1,355.21	1/2	1,078.54	1/2	801.87	1/2	525.20	1/2	248.52	1/2			
3/4		3/4	3,837.47	3/4	3,562.82	3/4	3,286.15	3/4	3,009.48	3/4	2,732.81	3/4	2,456.14	3/4	2,179.46	3/4	1,902.79	3/4	1,626.12	3/4	1,349.45	3/4	1,072.78	3/4	796.10	3/4	519.43	3/4	242.76	3/4			
5		5	3,831.76	5	3,557.06	5	3,280.39	5	3,003.72	5	2,727.04	5	2,450.37	5	2,173.70	5	1,897.03	5	1,620.36	5	1,343.68	5	1,067.01	5	790.34	5	513.67	5	237.00	5			
1/4		1/4	3,826.04	1/4	3,551.30	1/4	3,274.62	1/4	2,997.95	1/4	2,721.28	1/4	2,444.61	1/4	2,167.94	1/4	1,891.26	1/4	1,614.59	1/4	1,337.92	1/4	1,061.25	1/4	784.58	1/4	507.90	1/4	231.23	1/4			
1/2		1/2	3,820.33	1/2	3,545.53	1/2	3,268.86	1/2	2,992.19	1/2	2,715.52	1/2	2,438.84	1/2	2,162.17	1/2	1,885.50	1/2	1,608.83	1/2	1,332.16	1/2	1,055.48	1/2	778.81	1/2	502.14	1/2	225.47	1/2			
3/4		3/4	3,814.62	3/4	3,539.77	3/4	3,263.10	3/4	2,986.42	3/4	2,709.75	3/4	2,433.08	3/4	2,156.41	3/4	1,879.74	3/4	1,603.06	3/4	1,326.39	3/4	1,049.72	3/4	773.05	3/4	496.38	3/4	219.70	3/4			
6		6	3,808.91	6	3,534.00	6	3,257.33	6	2,980.66	6	2,703.99	6	2,427.32	6	2,150.64	6	1,873.97	6	1,597.30	6	1,320.63	6	1,043.96	6	767.28	6	490.61	6	213.94	6			
1/4		1/4	3,803.20	1/4	3,528.24	1/4	3,251.57	1/4	2,974.90	1/4	2,698.22	1/4	2,421.55	1/4	2,144.88	1/4	1,868.21	1/4	1,591.54	1/4	1,314.86	1/4	1,038.19	1/4	761.52	1/4	484.85	1/4	208.18	1/4			
1/2		1/2	3,797.48	1/2	3,522.48	1/2	3,245.80	1/2	2,969.13	1/2	2,692.46	1/2	2,415.79	1/2	2,139.12	1/2	1,862.44	1/2	1,585.77	1/2	1,309.10	1/2	1,032.43	1/2	755.76	1/2	479.08	1/2	202.41	1/2			
3/4		3/4	3,791.77	3/4	3,516.71	3/4	3,240.04	3/4	2,963.37	3/4	2,686.70	3/4	2,410.02	3/4	2,133.35	3/4	1,856.68	3/4	1,580.01	3/4	1,303.34	3/4	1,026.66	3/4	749.99	3/4	473.32	3/4	196.65	3/4			
7		7	3,786.06	7	3,510.95	7	3,234.28	7	2,957.60	7	2,680.93	7	2,404.26	7	2,127.59	7	1,850.92	7	1,574.24	7	1,297.57	7	1,020.90	7	744.23	7	467.56	7	190.88	7			
1/4		1/4	3,780.35	1/4	3,505.18	1/4	3,228.51	1/4	2,951.84	1/4	2,675.17	1/4	2,398.50	1/4	2,121.82	1/4	1,845.15	1/4	1,568.48	1/4	1,291.81	1/4	1,015.14	1/4	738.46	1/4	461.79	1/4	185.12	1/4			
1/2		1/2	3,774.64	1/2	3,499.42	1/2	3,222.75	1/2	2,946.08	1/2	2,669.40	1/2	2,392.73	1/2	2,116.06	1/2	1,839.39	1/2	1,562.72	1/2	1,286.04	1/2	1,009.37	1/2	732.70	1/2	456.03	1/2	179.36	1/2			
3/4		3/4	3,768.92	3/4	3,493.66	3/4	3,216.98	3/4	2,940.31	3/4	2,663.64	3/4	2,386.97	3/4	2,110.30	3/4	1,833.62	3/4	1,556.95	3/4	1,280.28	3/4	1,003.61	3/4	726.94	3/4	450.26	3/4	173.59	3/4			
8		8	3,763.21	8	3,487.89	8	3,211.22	8	2,934.55	8	2,657.88	8	2,381.20	8	2,104.53	8	1,827.86	8	1,551.19	8	1,274.52	8	997.84	8	721.17	8	444.50	8	167.83	8			
1/4		1/4	3,954.89	1/4	3,757.50	1/4	3,482.13	1/4	3,205.46	1/4	2,928.78	1/4	2,652.11	1/4	2,375.44	1/4	2,098.77	1/4	1,822.10	1/4	1,545.42	1/4	1,268.75	1/4	992.08	1/4	715.41	1/4	438.74	1/4	162.06	1/4	
1/2		1/2	3,954.58	1/2	3,751.79	1/2	3,476.36	1/2	3,199.69	1/2	2,923.02	1/2	2,646.35	1/2	2,369.68	1/2	2,093.00	1/2	1,816.33	1/2	1,539.66	1/2	1,262.99	1/2	986.32	1/2	709.64	1/2	432.97	1/2	156.30	1/2	
3/4		3/4	3,954.26	3/4	3,746.08	3/4	3,470.60	3/4	3,193.93	3/4	2,917.26	3/4	2,640.58	3/4	2,363.91	3/4	2,087.24	3/4	1,810.57	3/4	1,533.90	3/4	1,257.22	3/4	980.55	3/4	703.88	3/4	427.21	3/4	150.54	3/4	
9		9	3,953.94	9	3,740.36	9	3,464.84	9	3,188.16	9	2,911.49	9	2,634.82	9	2,358.15	9	2,081.48	9	1,804.80	9	1,528.13	9	1,251.46	9	974.								

BARGE "MM-113" 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	90.34	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	84.60	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	78.86	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	73.12	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	67.38	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	61.64	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	55.90	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	50.56	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	45.22	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	41.11	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
3	37.01	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	32.90	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	28.80	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	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	1/4
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
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
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
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
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
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
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
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
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
9	9	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



BARGE "MM-113" MAGNOLIA MARINE

OUTAGE TABLE

3 STAR

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

HULL NO. 2157-1

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	IN	OUT
0		0	3,936.49	0	3,683.24	0	3,407.20	0	3,130.52	0	2,853.85	0	2,577.18	0	2,300.51	0	2,023.84	0	1,747.16	0	1,470.49	0	1,193.82	0	917.15	0	640.48	0	363.80	0	87.13		
1/4		1/4	3,933.72	1/4	3,677.53	1/4	3,401.43	1/4	3,124.76	1/4	2,848.09	1/4	2,571.42	1/4	2,294.74	1/4	2,018.07	1/4	1,741.40	1/4	1,464.73	1/4	1,188.06	1/4	911.38	1/4	634.71	1/4	358.04	1/4	81.37		
1/2		1/2	3,930.96	1/2	3,671.82	1/2	3,395.67	1/2	3,119.00	1/2	2,842.32	1/2	2,565.65	1/2	2,288.98	1/2	2,012.31	1/2	1,735.64	1/2	1,458.96	1/2	1,182.29	1/2	905.62	1/2	628.95	1/2	352.28	1/2	75.60		
3/4		3/4	3,927.34	3/4	3,666.11	3/4	3,389.90	3/4	3,113.23	3/4	2,836.56	3/4	2,559.89	3/4	2,283.22	3/4	2,006.54	3/4	1,729.87	3/4	1,453.20	3/4	1,176.53	3/4	899.86	3/4	623.18	3/4	346.51	3/4	69.84		
1		1	3,923.72	1	3,660.40	1	3,384.14	1	3,107.47	1	2,830.80	1	2,554.12	1	2,277.45	1	2,000.78	1	1,724.11	1	1,447.44	1	1,170.76	1	894.09	1	617.42	1	340.75	1	64.08		
1/4		1/4	3,920.10	1/4	3,654.68	1/4	3,378.38	1/4	3,101.70	1/4	2,825.03	1/4	2,548.36	1/4	2,271.69	1/4	1,995.02	1/4	1,718.34	1/4	1,441.67	1/4	1,165.00	1/4	888.33	1/4	611.66	1/4	334.98	1/4	58.31		
1/2		1/2	3,916.48	1/2	3,648.97	1/2	3,372.61	1/2	3,095.94	1/2	2,819.27	1/2	2,542.60	1/2	2,265.92	1/2	1,989.25	1/2	1,712.58	1/2	1,435.91	1/2	1,159.24	1/2	882.56	1/2	605.89	1/2	329.22	1/2	52.55		
3/4		3/4	3,912.00	3/4	3,643.26	3/4	3,366.85	3/4	3,090.18	3/4	2,813.50	3/4	2,536.83	3/4	2,260.16	3/4	1,983.49	3/4	1,706.82	3/4	1,430.14	3/4	1,153.47	3/4	876.80	3/4	600.13	3/4	323.46	3/4	46.78		
2		2	3,907.53	2	3,637.55	2	3,361.08	2	3,084.41	2	2,807.74	2	2,531.07	2	2,254.40	2	1,977.72	2	1,701.05	2	1,424.38	2	1,147.71	2	871.04	2	594.36	2	317.69	2	41.02		
1/4		1/4	3,903.06	1/4	3,631.84	1/4	3,355.32	1/4	3,078.65	1/4	2,801.98	1/4	2,525.30	1/4	2,248.63	1/4	1,971.96	1/4	1,695.29	1/4	1,418.62	1/4	1,141.94	1/4	865.27	1/4	588.60	1/4	311.93	1/4	35.68		
1/2		1/2	3,898.59	1/2	3,626.12	1/2	3,349.56	1/2	3,072.88	1/2	2,796.21	1/2	2,519.54	1/2	2,242.87	1/2	1,966.20	1/2	1,689.52	1/2	1,412.85	1/2	1,136.18	1/2	859.51	1/2	582.84	1/2	306.16	1/2	30.34		
3/4		3/4	3,893.30	3/4	3,620.41	3/4	3,343.79	3/4	3,067.12	3/4	2,790.45	3/4	2,513.78	3/4	2,237.10	3/4	1,960.43	3/4	1,683.76	3/4	1,407.09	3/4	1,130.42	3/4	853.74	3/4	577.07	3/4	300.40	3/4	26.23		
3		3	3,888.02	3	3,614.70	3	3,338.03	3	3,061.36	3	2,784.68	3	2,508.01	3	2,231.34	3	1,954.67	3	1,678.00	3	1,401.32	3	1,124.65	3	847.98	3	571.31	3	294.64	3	22.13		
1/4		1/4	3,882.74	1/4	3,608.94	1/4	3,332.26	1/4	3,055.59	1/4	2,778.92	1/4	2,502.25	1/4	2,225.58	1/4	1,948.90	1/4	1,672.23	1/4	1,395.56	1/4	1,118.89	1/4	842.22	1/4	565.54	1/4	288.87	1/4	18.02		
1/2		1/2	3,877.45	1/2	3,603.17	1/2	3,326.50	1/2	3,049.83	1/2	2,773.16	1/2	2,496.48	1/2	2,219.81	1/2	1,943.14	1/2	1,666.47	1/2	1,389.80	1/2	1,113.12	1/2	836.45	1/2	559.78	1/2	283.11	1/2	* 13.92		
3/4		3/4	3,871.74	3/4	3,597.41	3/4	3,320.74	3/4	3,044.06	3/4	2,767.39	3/4	2,490.72	3/4	2,214.05	3/4	1,937.38	3/4	1,660.70	3/4	1,384.03	3/4	1,107.36	3/4	830.69	3/4	554.02	3/4	277.34	3/4			
4		4	3,866.03	4	3,591.64	4	3,314.97	4	3,038.30	4	2,761.63	4	2,484.96	4	2,208.28	4	1,931.61	4	1,654.94	4	1,378.27	4	1,101.60	4	824.92	4	548.25	4	271.58	4			
1/4		1/4	3,860.32	1/4	3,585.88	1/4	3,309.21	1/4	3,032.54	1/4	2,755.86	1/4	2,479.19	1/4	2,202.52	1/4	1,925.85	1/4	1,649.18	1/4	1,372.50	1/4	1,095.83	1/4	819.16	1/4	542.49	1/4	265.82	1/4			
1/2		1/2	3,854.60	1/2	3,580.12	1/2	3,303.44	1/2	3,026.77	1/2	2,750.10	1/2	2,473.43	1/2	2,196.76	1/2	1,920.08	1/2	1,643.41	1/2	1,366.74	1/2	1,090.07	1/2	813.40	1/2	536.72	1/2	260.05	1/2			
3/4		3/4	3,848.89	3/4	3,574.35	3/4	3,297.68	3/4	3,021.01	3/4	2,744.34	3/4	2,467.66	3/4	2,190.99	3/4	1,914.32	3/4	1,637.65	3/4	1,360.98	3/4	1,084.30	3/4	807.63	3/4	530.96	3/4	254.29	3/4			
5		5	3,843.18	5	3,568.59	5	3,291.92	5	3,015.24	5	2,738.57	5	2,461.90	5	2,185.23	5	1,908.56	5	1,631.88	5	1,355.21	5	1,078.54	5	801.87	5	525.20	5	248.52	5			
1/4		1/4	3,837.47	1/4	3,562.82	1/4	3,286.15	1/4	3,009.48	1/4	2,732.81	1/4	2,456.14	1/4	2,179.46	1/4	1,902.79	1/4	1,626.12	1/4	1,349.45	1/4	1,072.78	1/4	796.10	1/4	519.43	1/4	242.76	1/4			
1/2		1/2	3,831.76	1/2	3,557.06	1/2	3,280.39	1/2	3,003.72	1/2	2,727.04	1/2	2,450.37	1/2	2,173.70	1/2	1,897.03	1/2	1,620.36	1/2	1,343.68	1/2	1,067.01	1/2	790.34	1/2	513.67	1/2	237.00	1/2			
3/4		3/4	3,826.04	3/4	3,551.30	3/4	3,274.62	3/4	2,997.95	3/4	2,721.28	3/4	2,444.61	3/4	2,167.94	3/4	1,891.26	3/4	1,614.59	3/4	1,337.92	3/4	1,061.25	3/4	784.58	3/4	507.90	3/4	231.23	3/4			
6		6	3,820.33	6	3,545.53	6	3,268.86	6	2,992.19	6	2,715.52	6	2,438.84	6	2,162.17	6	1,885.50	6	1,608.83	6	1,332.16	6	1,055.48	6	778.81	6	502.14	6	225.47	6			
1/4		1/4	3,814.62	1/4	3,539.77	1/4	3,263.10	1/4	2,986.42	1/4	2,709.75	1/4	2,433.08	1/4	2,156.41	1/4	1,879.74	1/4	1,603.06	1/4	1,326.39	1/4	1,049.72	1/4	773.05	1/4	496.38	1/4	219.70	1/4			
1/2		1/2	3,808.91	1/2	3,534.00	1/2	3,257.33	1/2	2,980.66	1/2	2,703.99	1/2	2,427.32	1/2	2,150.64	1/2	1,873.97	1/2	1,597.30	1/2	1,320.63	1/2	1,043.96	1/2	767.28	1/2	490.61	1/2	213.94	1/2			
3/4		3/4	3,803.20	3/4	3,528.24	3/4	3,251.57	3/4	2,974.90	3/4	2,698.22	3/4	2,421.55	3/4	2,144.88	3/4	1,868.21	3/4	1,591.54	3/4	1,314.86	3/4	1,038.19	3/4	761.52	3/4	484.85	3/4	208.18	3/4			
7		7	3,797.48	7	3,522.48	7	3,245.80	7	2,969.13	7	2,692.46	7	2,415.79	7	2,139.12	7	1,862.44	7	1,585.77	7	1,309.10	7	1,032.43	7	755.76	7	479.08	7	202.41	7			
1/4		1/4	3,791.77	1/4	3,516.71	1/4	3,240.04	1/4	2,963.37	1/4	2,686.70	1/4	2,410.02	1/4	2,133.35	1/4	1,856.68	1/4	1,580.01	1/4	1,303.34	1/4	1,026.66	1/4	749.99	1/4	473.32	1/4	196.65	1/4			
1/2		1/2	3,786.06	1/2	3,510.95	1/2	3,234.28	1/2	2,957.60	1/2	2,680.93	1/2	2,404.26	1/2	2,127.59	1/2	1,850.92	1/2	1,574.24	1/2	1,297.57	1/2	1,020.90	1/2	744.23	1/2	467.56	1/2	190.88	1/2			
3/4		3/4	3,780.35	3/4	3,505.18	3/4	3,228.51	3/4	2,951.84	3/4	2,675.17	3/4	2,398.50	3/4	2,121.82	3/4	1,845.15	3/4	1,568.48	3/4	1,291.81	3/4	1,015.14	3/4	738.46	3/4	461.79	3/4	185.12	3/4			
8		8	3,774.64	8	3,499.42	8	3,222.75	8	2,946.08	8	2,669.40	8	2,392.73	8	2,116.06	8	1,839.39	8	1,562.72	8	1,286.04	8	1,009.37	8	732.70	8	456.03	8	179.36	8			
1/4		1/4	3,768.92	1/4	3,493.66	1/4	3,216.98	1/4	2,940.31	1/4	2,663.64	1/4	2,386.97	1/4	2,110.30	1/4	1,833.62	1/4	1,556.95	1/4	1,280.28	1/4	1,003.61	1/4	726.94	1/4	450.26	1/4	173.59	1/4			
1/2		1/2	3,763.21	1/2	3,487.89	1/2	3,211.22	1/2	2,934.55	1/2	2,657.88	1/2	2,381.20	1/2	2,104.53	1/2	1,827.86	1/2	1,551.19	1/2	1,274.52	1/2	997.84	1/2	721.17	1/2	444.50	1/2	167.83	1/2			
3/4		3/4	3,954.89	3/4	3,757.50	3/4	3,482.13	3/4	3,205.46	3/4	2,928.78	3/4	2,652.11	3/4	2,375.44	3/4	2,098.77	3/4	1,822.10	3/4	1,545.42	3/4	1,268.75	3/4	992.08	3/4	715.41	3/4	162.06	3/4			
9		9	3,754.58	9	3,475.79	9	3,199.69	9	2,923.02	9	2,646.35	9	2,369.68	9	2,093.00	9	1,816.33	9	1,539.66	9	1,262.99	9	986.32	9	709.64	9	432.97	9	156.30				



BARGE "MM-113" MAGNOLIA MARINE

OUTAGE TABLE

4 PORT

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

HULL NO. 2157-1

IN	0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.	
0	0	3,404.39	0	3,254.94	0	3,094.72	0	2,934.50	0	2,774.27	0	2,557.02	0	2,281.70	0	2,006.37	0	1,731.04	0	1,455.71	0	1,180.38	0	905.06	0	630.86	0	356.42	0	81.09		
1/4	1/4	3,402.81	1/4	3,251.61	1/4	3,091.38	1/4	2,931.16	1/4	2,770.93	1/4	2,551.29	1/4	2,275.96	1/4	2,000.63	1/4	1,725.30	1/4	1,449.98	1/4	1,174.65	1/4	899.32	1/4	625.17	1/4	350.68	1/4	75.35		
1/2	1/2	3,400.72	1/2	3,248.27	1/2	3,088.04	1/2	2,927.82	1/2	2,767.60	1/2	2,545.55	1/2	2,270.22	1/2	1,994.90	1/2	1,719.57	1/2	1,444.24	1/2	1,168.91	1/2	893.58	1/2	619.47	1/2	344.94	1/2	69.62		
3/4	3/4	3,398.64	3/4	3,244.93	3/4	3,084.71	3/4	2,924.48	3/4	2,764.26	3/4	2,539.82	3/4	2,264.49	3/4	1,989.16	3/4	1,713.83	3/4	1,438.50	3/4	1,163.18	3/4	887.85	3/4	613.78	3/4	339.21	3/4	63.88		
1	1	3,396.55	1	3,241.59	1	3,081.37	1	2,921.14	1	2,760.92	1	2,534.08	1	2,258.75	1	1,983.42	1	1,708.10	1	1,432.77	1	1,157.44	1	882.11	1	608.09	1	333.47	1	58.14		
1/4	1/4	3,394.47	1/4	3,238.25	1/4	3,078.03	1/4	2,917.81	1/4	2,757.58	1/4	2,528.34	1/4	2,253.02	1/4	1,977.69	1/4	1,702.36	1/4	1,427.03	1/4	1,151.70	1/4	876.38	1/4	602.39	1/4	327.74	1/4	52.41		
1/2	1/2	3,391.88	1/2	3,234.92	1/2	3,074.69	1/2	2,914.47	1/2	2,754.24	1/2	2,522.61	1/2	2,247.28	1/2	1,971.95	1/2	1,696.62	1/2	1,421.30	1/2	1,145.97	1/2	870.64	1/2	596.70	1/2	322.00	1/2	46.67		
3/4	3/4	3,389.30	3/4	3,231.58	3/4	3,071.35	3/4	2,911.13	3/4	2,750.91	3/4	2,516.87	3/4	2,241.54	3/4	1,966.22	3/4	1,690.89	3/4	1,415.56	3/4	1,140.23	3/4	864.90	3/4	591.00	3/4	316.26	3/4	40.94		
2	2	3,386.71	2	3,228.24	2	3,068.02	2	2,907.79	2	2,747.57	2	2,511.14	2	2,235.81	2	1,960.48	2	1,685.15	2	1,409.82	2	1,134.50	2	859.17	2	585.31	2	310.53	2	35.61		
1/4	1/4	3,384.13	1/4	3,224.90	1/4	3,064.68	1/4	2,904.45	1/4	2,744.23	1/4	2,505.40	1/4	2,230.07	1/4	1,954.74	1/4	1,679.42	1/4	1,404.09	1/4	1,128.76	1/4	853.43	1/4	579.62	1/4	304.79	1/4	30.28		
1/2	1/2	3,381.04	1/2	3,221.56	1/2	3,061.34	1/2	2,901.12	1/2	2,740.89	1/2	2,499.66	1/2	2,224.34	1/2	1,949.01	1/2	1,673.68	1/2	1,398.35	1/2	1,123.02	1/2	847.70	1/2	573.92	1/2	299.06	1/2	26.19		
3/4	3/4	3,377.95	3/4	3,218.23	3/4	3,058.00	3/4	2,897.78	3/4	2,737.55	3/4	2,493.93	3/4	2,218.60	3/4	1,943.27	3/4	1,667.94	3/4	1,392.62	3/4	1,117.29	3/4	841.96	3/4	568.23	3/4	293.32	3/4	22.09		
3	3	3,374.86	3	3,214.89	3	3,054.66	3	2,894.44	3	2,734.04	3	2,488.19	3	2,212.86	3	1,937.54	3	1,662.21	3	1,386.88	3	1,111.55	3	836.22	3	562.53	3	287.58	3	17.99		
1/4	1/4	3,371.77	1/4	3,211.55	1/4	3,051.33	1/4	2,891.10	1/4	2,730.52	1/4	2,482.46	1/4	2,207.13	1/4	1,931.80	1/4	1,656.47	1/4	1,381.14	1/4	1,105.82	1/4	830.49	1/4	556.84	1/4	281.85	1/4	13.89		
1/2	1/2	3,368.44	1/2	3,208.21	1/2	3,047.99	1/2	2,887.76	1/2	2,727.00	1/2	2,476.72	1/2	2,201.39	1/2	1,926.06	1/2	1,650.74	1/2	1,375.41	1/2	1,100.08	1/2	824.75	1/2	551.15	1/2	276.11	1/2			
3/4	3/4	3,365.10	3/4	3,204.87	3/4	3,044.65	3/4	2,884.43	3/4	2,723.18	3/4	2,470.98	3/4	2,195.66	3/4	1,920.33	3/4	1,645.00	3/4	1,369.67	3/4	1,094.34	3/4	819.02	3/4	545.45	3/4	270.38	3/4			
4	4	3,361.76	4	3,201.54	4	3,041.31	4	2,881.09	4	2,719.35	4	2,465.25	4	2,189.92	4	1,914.59	4	1,639.26	4	1,363.94	4	1,088.61	4	813.28	4	539.76	4	264.64	4			
1/4	1/4	3,358.42	1/4	3,198.20	1/4	3,037.97	1/4	2,877.75	1/4	2,715.53	1/4	2,459.51	1/4	2,184.18	1/4	1,908.86	1/4	1,633.53	1/4	1,358.20	1/4	1,082.87	1/4	807.54	1/4	534.06	1/4	258.90	1/4			
1/2	1/2	3,355.08	1/2	3,194.86	1/2	3,034.64	1/2	2,874.41	1/2	2,711.70	1/2	2,453.78	1/2	2,178.45	1/2	1,903.12	1/2	1,627.79	1/2	1,352.46	1/2	1,077.14	1/2	801.81	1/2	528.37	1/2	253.17	1/2			
3/4	3/4	3,351.75	3/4	3,191.52	3/4	3,031.30	3/4	2,871.07	3/4	2,707.53	3/4	2,448.04	3/4	2,172.71	3/4	1,897.38	3/4	1,622.06	3/4	1,346.73	3/4	1,071.40	3/4	796.07	3/4	522.68	3/4	247.43	3/4			
5	5	3,348.41	5	3,188.18	5	3,027.96	5	2,867.74	5	2,703.36	5	2,442.30	5	2,166.98	5	1,891.65	5	1,616.32	5	1,340.99	5	1,065.66	5	790.34	5	516.98	5	241.70	5			
1/4	1/4	3,345.07	1/4	3,184.85	1/4	3,024.62	1/4	2,864.40	1/4	2,699.19	1/4	2,436.57	1/4	2,161.24	1/4	1,885.91	1/4	1,610.58	1/4	1,335.26	1/4	1,059.93	1/4	784.60	1/4	511.29	1/4	235.96	1/4			
1/2	1/2	3,341.73	1/2	3,181.51	1/2	3,021.28	1/2	2,861.06	1/2	2,695.02	1/2	2,430.83	1/2	2,155.50	1/2	1,880.18	1/2	1,604.85	1/2	1,329.52	1/2	1,054.19	1/2	778.91	1/2	505.55	1/2	230.22	1/2			
3/4	3/4	3,338.39	3/4	3,178.17	3/4	3,017.95	3/4	2,857.72	3/4	2,690.51	3/4	2,425.10	3/4	2,149.77	3/4	1,874.44	3/4	1,599.11	3/4	1,323.78	3/4	1,048.46	3/4	773.21	3/4	499.82	3/4	224.49	3/4			
6	6	3,335.06	6	3,174.83	6	3,014.61	6	2,854.38	6	2,685.99	6	2,419.36	6	2,144.03	6	1,868.70	6	1,593.38	6	1,318.05	6	1,042.72	6	767.52	6	494.08	6	218.75	6			
1/4	1/4	3,331.72	1/4	3,171.49	1/4	3,011.27	1/4	2,851.05	1/4	2,681.47	1/4	2,413.62	1/4	2,138.30	1/4	1,862.97	1/4	1,587.64	1/4	1,312.31	1/4	1,036.98	1/4	761.82	1/4	488.34	1/4	213.02	1/4			
1/2	1/2	3,328.38	1/2	3,168.16	1/2	3,007.93	1/2	2,847.71	1/2	2,676.95	1/2	2,407.89	1/2	2,132.56	1/2	1,857.23	1/2	1,581.90	1/2	1,306.58	1/2	1,031.25	1/2	756.13	1/2	482.61	1/2	207.28	1/2			
3/4	3/4	3,325.04	3/4	3,164.82	3/4	3,004.59	3/4	2,844.37	3/4	2,672.09	3/4	2,402.15	3/4	2,126.82	3/4	1,851.50	3/4	1,576.17	3/4	1,300.84	3/4	1,025.51	3/4	750.44	3/4	476.87	3/4	201.54	3/4			
7	7	3,321.70	7	3,161.48	7	3,001.26	7	2,841.03	7	2,667.22	7	2,396.42	7	2,121.09	7	1,845.76	7	1,570.43	7	1,295.10	7	1,019.78	7	744.74	7	471.14	7	195.81	7			
1/4	1/4	3,318.37	1/4	3,158.14	1/4	2,997.92	1/4	2,837.69	1/4	2,663.35	1/4	2,390.68	1/4	2,115.35	1/4	1,840.02	1/4	1,564.70	1/4	1,289.37	1/4	1,014.04	1/4	739.05	1/4	465.40	1/4	190.07	1/4			
1/2	1/2	3,315.03	1/2	3,154.80	1/2	2,994.58	1/2	2,834.36	1/2	2,657.49	1/2	2,384.94	1/2	2,109.62	1/2	1,834.29	1/2	1,558.96	1/2	1,283.63	1/2	1,008.30	1/2	733.35	1/2	459.66	1/2	184.34	1/2			
3/4	3/4	3,311.69	3/4	3,151.47	3/4	2,991.24	3/4	2,831.02	3/4	2,652.27	3/4	2,379.21	3/4	2,103.88	3/4	1,828.55	3/4	1,553.22	3/4	1,277.90	3/4	1,002.57	3/4	727.66	3/4	453.93	3/4	178.60	3/4			
8	8	3,308.35	8	3,148.13	8	2,987.90	8	2,827.68	8	2,647.06	8	2,373.47	8	2,098.14	8	1,822.82	8	1,547.49	8	1,272.16	8	996.83	8	721.97	8	448.19	8	172.86	8			
1/4	1/4	3,305.01	1/4	3,144.79	1/4	2,984.57	1/4	2,824.34	1/4	2,641.85	1/4	2,367.74	1/4	2,092.41	1/4	1,817.08	1/4	1,541.75	1/4	1,266.42	1/4	991.10	1/4	716.27	1/4	442.46	1/4	167.13	1/4			
1/2	1/2	3,301.68	1/2	3,141.45	1/2	2,981.23	1/2	2																								



BARGE "MM-113" MAGNOLIA MARINE

OUTAGE TABLE

4 STAR

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

HULL NO. 2157-1

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	IN	OUT
0	0	3,407.55	0	3,261.62	0	3,101.40	0	2,941.17	0	2,780.95	0	2,568.50	0	2,293.17	0	2,017.84	0	1,742.51	0	1,467.18	0	1,191.86	0	916.53	0	642.25	0	367.89	0	92.56			
1/4	1/4	3,405.97	1/4	3,258.28	1/4	3,098.06	1/4	2,937.83	1/4	2,777.61	1/4	2,562.76	1/4	2,287.43	1/4	2,012.10	1/4	1,736.78	1/4	1,461.45	1/4	1,186.12	1/4	910.79	1/4	636.56	1/4	362.15	1/4	86.82			
1/2	1/2	3,404.39	1/2	3,254.94	1/2	3,094.72	1/2	2,934.50	1/2	2,774.27	1/2	2,557.02	1/2	2,281.70	1/2	2,006.37	1/2	1,731.04	1/2	1,455.71	1/2	1,180.38	1/2	905.06	1/2	630.86	1/2	356.42	1/2	81.09			
3/4	3/4	3,402.81	3/4	3,251.61	3/4	3,091.38	3/4	2,931.16	3/4	2,770.93	3/4	2,551.29	3/4	2,275.96	3/4	2,000.63	3/4	1,725.30	3/4	1,449.98	3/4	1,174.65	3/4	899.32	3/4	625.17	3/4	350.68	3/4	75.35			
1	1	3,400.72	1	3,248.27	1	3,088.04	1	2,927.82	1	2,767.60	1	2,545.55	1	2,270.22	1	1,994.90	1	1,719.57	1	1,444.24	1	1,168.91	1	893.58	1	619.47	1	344.94	1	69.62			
1/4	1/4	3,398.64	1/4	3,244.93	1/4	3,084.71	1/4	2,924.48	1/4	2,764.26	1/4	2,539.82	1/4	2,264.49	1/4	1,989.16	1/4	1,713.83	1/4	1,438.50	1/4	1,163.18	1/4	887.85	1/4	613.78	1/4	339.21	1/4	63.88			
1/2	1/2	3,396.55	1/2	3,241.59	1/2	3,081.37	1/2	2,921.14	1/2	2,760.92	1/2	2,534.08	1/2	2,258.75	1/2	1,983.42	1/2	1,708.10	1/2	1,432.77	1/2	1,157.44	1/2	882.11	1/2	608.09	1/2	333.47	1/2	58.14			
3/4	3/4	3,394.47	3/4	3,238.25	3/4	3,078.03	3/4	2,917.81	3/4	2,757.58	3/4	2,528.34	3/4	2,253.02	3/4	1,977.69	3/4	1,702.36	3/4	1,427.03	3/4	1,151.70	3/4	876.38	3/4	602.39	3/4	327.74	3/4	52.41			
2	2	3,391.88	2	3,234.92	2	3,074.69	2	2,914.47	2	2,754.24	2	2,522.61	2	2,247.28	2	1,971.95	2	1,696.62	2	1,421.30	2	1,145.97	2	870.64	2	596.70	2	322.00	2	46.67			
1/4	1/4	3,389.30	1/4	3,231.58	1/4	3,071.35	1/4	2,911.13	1/4	2,750.91	1/4	2,516.87	1/4	2,241.54	1/4	1,966.22	1/4	1,690.89	1/4	1,415.56	1/4	1,140.23	1/4	864.90	1/4	591.00	1/4	316.26	1/4	40.94			
1/2	1/2	3,386.71	1/2	3,228.24	1/2	3,068.02	1/2	2,907.79	1/2	2,747.57	1/2	2,511.14	1/2	2,235.81	1/2	1,960.48	1/2	1,685.15	1/2	1,409.82	1/2	1,134.50	1/2	859.17	1/2	585.31	1/2	310.53	1/2	35.61			
3/4	3/4	3,384.13	3/4	3,224.90	3/4	3,064.68	3/4	2,904.45	3/4	2,744.23	3/4	2,505.40	3/4	2,230.07	3/4	1,954.74	3/4	1,679.42	3/4	1,404.09	3/4	1,128.76	3/4	853.43	3/4	579.62	3/4	304.79	3/4	30.28			
3	3	3,381.04	3	3,221.56	3	3,061.34	3	2,901.12	3	2,740.89	3	2,499.66	3	2,224.34	3	1,949.01	3	1,673.68	3	1,398.35	3	1,123.02	3	847.70	3	573.92	3	299.06	3	26.19			
1/4	1/4	3,377.95	1/4	3,218.23	1/4	3,058.00	1/4	2,897.78	1/4	2,737.55	1/4	2,493.93	1/4	2,218.60	1/4	1,943.27	1/4	1,667.94	1/4	1,392.62	1/4	1,117.29	1/4	841.96	1/4	568.23	1/4	293.32	1/4	22.09			
1/2	1/2	3,374.86	1/2	3,214.89	1/2	3,054.66	1/2	2,894.44	1/2	2,734.04	1/2	2,488.19	1/2	2,212.86	1/2	1,937.54	1/2	1,662.21	1/2	1,386.88	1/2	1,111.55	1/2	836.22	1/2	562.53	1/2	287.58	1/2	17.99			
3/4	3/4	3,371.77	3/4	3,211.55	3/4	3,051.33	3/4	2,891.10	3/4	2,730.52	3/4	2,482.46	3/4	2,207.13	3/4	1,931.80	3/4	1,656.47	3/4	1,381.14	3/4	1,105.82	3/4	830.49	3/4	556.84	3/4	281.85	3/4	13.89			
4	4	3,368.44	4	3,208.21	4	3,047.99	4	2,887.76	4	2,727.00	4	2,476.72	4	2,201.39	4	1,926.06	4	1,650.74	4	1,375.41	4	1,100.08	4	824.75	4	551.15	4	276.11	4				
1/4	1/4	3,365.10	1/4	3,204.87	1/4	3,044.65	1/4	2,884.43	1/4	2,723.18	1/4	2,470.98	1/4	2,195.66	1/4	1,920.33	1/4	1,645.00	1/4	1,369.67	1/4	1,094.34	1/4	819.02	1/4	545.45	1/4	270.38	1/4				
1/2	1/2	3,361.76	1/2	3,201.54	1/2	3,041.31	1/2	2,881.09	1/2	2,719.35	1/2	2,465.25	1/2	2,189.92	1/2	1,914.59	1/2	1,639.26	1/2	1,363.94	1/2	1,088.61	1/2	813.28	1/2	539.76	1/2	264.64	1/2				
3/4	3/4	3,358.42	3/4	3,198.20	3/4	3,037.97	3/4	2,877.75	3/4	2,715.53	3/4	2,459.51	3/4	2,184.18	3/4	1,908.86	3/4	1,633.53	3/4	1,358.20	3/4	1,082.87	3/4	807.54	3/4	534.06	3/4	258.90	3/4				
5	5	3,355.08	5	3,194.86	5	3,034.64	5	2,874.41	5	2,711.70	5	2,453.78	5	2,178.45	5	1,903.12	5	1,627.79	5	1,352.46	5	1,077.14	5	801.81	5	528.37	5	253.17	5				
1/4	1/4	3,351.75	1/4	3,191.52	1/4	3,031.30	1/4	2,871.07	1/4	2,707.53	1/4	2,448.04	1/4	2,172.71	1/4	1,897.38	1/4	1,622.06	1/4	1,346.73	1/4	1,071.40	1/4	796.07	1/4	522.68	1/4	247.43	1/4				
1/2	1/2	3,348.41	1/2	3,188.18	1/2	3,027.96	1/2	2,867.74	1/2	2,703.36	1/2	2,442.30	1/2	2,166.98	1/2	1,891.65	1/2	1,616.32	1/2	1,340.99	1/2	1,065.66	1/2	790.34	1/2	516.98	1/2	241.70	1/2				
3/4	3/4	3,345.07	3/4	3,184.85	3/4	3,024.62	3/4	2,864.40	3/4	2,699.19	3/4	2,436.57	3/4	2,161.24	3/4	1,885.91	3/4	1,610.58	3/4	1,335.26	3/4	1,059.93	3/4	784.60	3/4	511.29	3/4	235.96	3/4				
6	6	3,341.73	6	3,181.51	6	3,021.28	6	2,861.06	6	2,695.02	6	2,430.83	6	2,155.50	6	1,880.18	6	1,604.85	6	1,329.52	6	1,054.19	6	778.91	6	505.55	6	230.22	6				
1/4	1/4	3,338.39	1/4	3,178.17	1/4	3,017.95	1/4	2,857.72	1/4	2,690.51	1/4	2,425.10	1/4	2,149.77	1/4	1,874.44	1/4	1,599.11	1/4	1,323.78	1/4	1,048.46	1/4	773.21	1/4	499.82	1/4	224.49	1/4				
1/2	1/2	3,335.06	1/2	3,174.83	1/2	3,014.61	1/2	2,854.38	1/2	2,685.99	1/2	2,419.36	1/2	2,144.03	1/2	1,868.70	1/2	1,593.38	1/2	1,318.05	1/2	1,042.72	1/2	767.52	1/2	494.08	1/2	218.75	1/2				
3/4	3/4	3,331.72	3/4	3,171.49	3/4	3,011.27	3/4	2,851.05	3/4	2,681.47	3/4	2,413.62	3/4	2,138.30	3/4	1,862.97	3/4	1,587.64	3/4	1,312.31	3/4	1,036.98	3/4	761.82	3/4	488.34	3/4	213.02	3/4				
7	7	3,328.38	7	3,168.16	7	3,007.93	7	2,847.71	7	2,676.95	7	2,407.89	7	2,132.56	7	1,857.23	7	1,581.90	7	1,306.58	7	1,031.25	7	756.13	7	482.61	7	207.28	7				
1/4	1/4	3,325.04	1/4	3,164.82	1/4	3,004.59	1/4	2,844.37	1/4	2,672.09	1/4	2,402.15	1/4	2,126.82	1/4	1,851.50	1/4	1,576.17	1/4	1,300.84	1/4	1,025.51	1/4	750.44	1/4	476.87	1/4	201.54	1/4				
1/2	1/2	3,321.70	1/2	3,161.48	1/2	3,001.26	1/2	2,841.03	1/2	2,667.22	1/2	2,396.42	1/2	2,121.09	1/2	1,845.76	1/2	1,570.43	1/2	1,295.10	1/2	1,019.78	1/2	744.74	1/2	471.14	1/2	195.81	1/2				
3/4	3/4	3,318.37	3/4	3,158.14	3/4	2,997.92	3/4	2,837.69	3/4	2,662.35	3/4	2,390.68	3/4	2,115.35	3/4	1,840.02	3/4	1,564.70	3/4	1,289.37	3/4	1,014.04	3/4	739.05	3/4	465.40	3/4	190.07	3/4				
8	8	3,315.03	8	3,154.80	8	2,994.58	8	2,834.36	8	2,657.49	8	2,384.94	8	2,109.62	8	1,834.29	8	1,558.96	8	1,283.63	8	1,008.30	8	733.35	8	459.66	8	184.34	8				
1/4	1/4	3,311.69	1/4	3,151.47	1/4	2,991.24	1/4	2,831.02	1/4	2,652.27	1/4	2,379.21	1/4	2,103.88	1/4	1,828.55	1/4	1,553.22	1/4	1,277.90	1/4	1,002.57	1/4	727.66	1/4	453.93	1/4	178.60	1/4				
1/2	1/2	3,308.35	1/2	3,148.13	1/2	2,987.90	1/2	2,827.68	1/2	2,647.06	1/2	2,373.47	1/2	2,098.14	1/2	1,822.82	1/2	1,547.49	1/2	1,272.16	1/2	996.83	1/2	721.97	1/2	448.19	1/2	172.86	1/2				
3/4	3/4	3,305.01	3/4	3,144.79	3/4	2,984.57	3/4	2,824.34	3/4	2,641.85	3/4	2,367.74	3/4	2,092.41	3/4	1,817.08	3/4	1,541.75	3/4	1,266.42	3/4	991.10	3/4	716.27	3/4	442.46	3/4	167.13	3/4				
9	9	3,416.18	9	3,301.68	9	3,141.45	9	2,981.23	9	2,821.00	9	2,636.63	9	2,362.00	9	2,086.67	9	1,811.34	9	1,536.02	9	1,260.69	9	985.36	9	710.58	9	436.72	9	161.39			
1/4	1/4	3,416.04	1/4	3,298.34	1/4	3,138.11	1/4	2,977.89	1/4																								

