



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		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	3,473.36	0	3,247.54	0	3,000.74	0	2,753.45	0	2,506.15	0	2,258.86	0	2,011.56	0	1,764.26	0	1,516.97	0	1,269.67	0	1,022.38	0	775.34	0	534.12	0	287.69	0	65.76
1/4		1/4	3,470.93	1/4	3,242.44	1/4	2,995.59	1/4	2,748.30	1/4	2,501.00	1/4	2,253.70	1/4	2,006.41	1/4	1,759.11	1/4	1,511.82	1/4	1,264.52	1/4	1,017.22	1/4	770.32	1/4	528.97	1/4	282.73	1/4	61.54
1/2		1/2	3,468.50	1/2	3,237.34	1/2	2,990.44	1/2	2,743.14	1/2	2,495.85	1/2	2,248.55	1/2	2,001.26	1/2	1,753.96	1/2	1,506.66	1/2	1,259.37	1/2	1,012.07	1/2	765.30	1/2	523.82	1/2	277.76	1/2	57.32
3/4		3/4	3,465.30	3/4	3,232.23	3/4	2,985.29	3/4	2,737.99	3/4	2,490.70	3/4	2,243.40	3/4	1,996.10	3/4	1,748.81	3/4	1,501.51	3/4	1,254.22	3/4	1,006.92	3/4	760.28	3/4	518.66	3/4	272.79	3/4	53.10
1		1	3,462.11	1	3,227.13	1	2,980.14	1	2,732.84	1	2,485.54	1	2,238.25	1	1,990.95	1	1,743.66	1	1,496.36	1	1,249.06	1	1,001.77	1	755.26	1	513.51	1	267.83	1	48.88
1/4		1/4	3,458.91	1/4	3,222.03	1/4	2,974.98	1/4	2,727.69	1/4	2,480.39	1/4	2,233.10	1/4	1,985.80	1/4	1,738.50	1/4	1,491.21	1/4	1,243.91	1/4	996.62	1/4	750.24	1/4	508.36	1/4	262.86	1/4	44.66
1/2		1/2	3,455.72	1/2	3,216.93	1/2	2,969.83	1/2	2,722.54	1/2	2,475.24	1/2	2,227.94	1/2	1,980.65	1/2	1,733.35	1/2	1,486.06	1/2	1,238.76	1/2	991.46	1/2	745.22	1/2	503.21	1/2	257.90	1/2	40.44
3/4		3/4	3,451.76	3/4	3,211.83	3/4	2,964.68	3/4	2,717.38	3/4	2,470.09	3/4	2,222.79	3/4	1,975.50	3/4	1,728.20	3/4	1,480.90	3/4	1,233.61	3/4	986.31	3/4	740.20	3/4	498.06	3/4	253.05	3/4	36.35
2		2	3,447.80	2	3,206.72	2	2,959.53	2	2,712.23	2	2,464.94	2	2,217.64	2	1,970.34	2	1,723.05	2	1,475.75	2	1,228.46	2	981.16	2	735.18	2	492.90	2	248.21	2	32.25
1/4		1/4	3,443.85	1/4	3,201.62	1/4	2,954.38	1/4	2,707.08	1/4	2,459.78	1/4	2,212.49	1/4	1,965.19	1/4	1,717.90	1/4	1,470.60	1/4	1,223.30	1/4	976.01	1/4	730.16	1/4	487.75	1/4	243.37	1/4	28.41
1/2		1/2	3,439.89	1/2	3,196.52	1/2	2,949.22	1/2	2,701.93	1/2	2,454.63	1/2	2,207.34	1/2	1,960.04	1/2	1,712.74	1/2	1,465.45	1/2	1,218.15	1/2	970.86	1/2	725.14	1/2	482.60	1/2	238.53	1/2	24.57
3/4		3/4	3,435.17	3/4	3,191.37	3/4	2,944.07	3/4	2,696.78	3/4	2,449.48	3/4	2,202.18	3/4	1,954.89	3/4	1,707.59	3/4	1,460.30	3/4	1,213.00	3/4	965.70	3/4	720.12	3/4	477.45	3/4	233.69	3/4	21.49
3		3	3,430.45	3	3,186.22	3	2,938.92	3	2,691.62	3	2,444.33	3	2,197.03	3	1,949.74	3	1,702.44	3	1,455.14	3	1,207.85	3	960.55	3	715.10	3	472.30	3	228.84	3	18.41
1/4		1/4	3,425.73	1/4	3,181.06	1/4	2,933.77	1/4	2,686.47	1/4	2,439.18	1/4	2,191.88	1/4	1,944.58	1/4	1,697.29	1/4	1,449.99	1/4	1,202.70	1/4	955.40	1/4	710.08	1/4	467.14	1/4	224.00	1/4	15.33
1/2		1/2	3,421.01	1/2	3,175.91	1/2	2,928.62	1/2	2,681.32	1/2	2,434.02	1/2	2,186.73	1/2	1,939.43	1/2	1,692.14	1/2	1,444.84	1/2	1,197.54	1/2	950.25	1/2	705.06	1/2	461.99	1/2	219.16	1/2	12.25
3/4		3/4	3,415.91	3/4	3,170.76	3/4	2,923.46	3/4	2,676.17	3/4	2,428.87	3/4	2,181.58	3/4	1,934.28	3/4	1,686.98	3/4	1,439.69	3/4	1,192.39	3/4	945.10	3/4	700.04	3/4	456.84	3/4	214.44	3/4	
4		4	3,410.80	4	3,165.61	4	2,918.31	4	2,671.02	4	2,423.72	4	2,176.42	4	1,929.13	4	1,681.83	4	1,434.54	4	1,187.24	4	939.94	4	695.02	4	451.69	4	209.73	4	
1/4		1/4	3,405.70	1/4	3,160.46	1/4	2,913.16	1/4	2,665.86	1/4	2,418.57	1/4	2,171.27	1/4	1,923.98	1/4	1,676.68	1/4	1,429.38	1/4	1,182.09	1/4	934.79	1/4	690.00	1/4	446.54	1/4	205.01	1/4	
1/2		1/2	3,400.60	1/2	3,155.30	1/2	2,908.01	1/2	2,660.71	1/2	2,413.42	1/2	2,166.12	1/2	1,918.82	1/2	1,671.53	1/2	1,424.23	1/2	1,176.94	1/2	929.64	1/2	684.98	1/2	441.38	1/2	200.30	1/2	
3/4		3/4	3,395.50	3/4	3,150.15	3/4	2,902.86	3/4	2,655.56	3/4	2,408.26	3/4	2,160.97	3/4	1,913.67	3/4	1,666.38	3/4	1,419.08	3/4	1,171.78	3/4	924.49	3/4	679.96	3/4	436.23	3/4	195.58	3/4	
5		5	3,390.40	5	3,145.00	5	2,897.70	5	2,650.41	5	2,403.11	5	2,155.82	5	1,908.52	5	1,661.22	5	1,413.93	5	1,166.63	5	919.34	5	674.94	5	431.08	5	190.86	5	
1/4		1/4	3,385.29	1/4	3,139.85	1/4	2,892.55	1/4	2,645.26	1/4	2,397.96	1/4	2,150.66	1/4	1,903.37	1/4	1,656.07	1/4	1,408.78	1/4	1,161.48	1/4	914.18	1/4	669.92	1/4	425.93	1/4	186.15	1/4	
1/2		1/2	3,380.19	1/2	3,134.70	1/2	2,887.40	1/2	2,640.10	1/2	2,392.81	1/2	2,145.51	1/2	1,898.22	1/2	1,650.92	1/2	1,403.62	1/2	1,156.33	1/2	909.03	1/2	664.90	1/2	420.78	1/2	181.43	1/2	
3/4		3/4	3,375.09	3/4	3,129.54	3/4	2,882.25	3/4	2,634.95	3/4	2,387.66	3/4	2,140.36	3/4	1,893.06	3/4	1,645.77	3/4	1,398.47	3/4	1,151.18	3/4	903.88	3/4	659.88	3/4	415.62	3/4	176.84	3/4	
6		6	3,369.99	6	3,124.39	6	2,877.10	6	2,629.80	6	2,382.50	6	2,135.21	6	1,887.91	6	1,640.62	6	1,393.32	6	1,146.02	6	898.73	6	654.86	6	410.47	6	172.25	6	
1/4		1/4	3,364.89	1/4	3,119.24	1/4	2,871.94	1/4	2,624.65	1/4	2,377.35	1/4	2,130.06	1/4	1,882.76	1/4	1,635.46	1/4	1,388.17	1/4	1,140.87	1/4	893.58	1/4	649.84	1/4	405.32	1/4	167.66	1/4	
1/2		1/2	3,359.78	1/2	3,114.09	1/2	2,866.79	1/2	2,619.50	1/2	2,372.20	1/2	2,124.90	1/2	1,877.61	1/2	1,630.31	1/2	1,383.02	1/2	1,135.72	1/2	888.42	1/2	644.82	1/2	400.17	1/2	163.06	1/2	
3/4		3/4	3,354.68	3/4	3,108.94	3/4	2,861.64	3/4	2,614.34	3/4	2,367.05	3/4	2,119.75	3/4	1,872.46	3/4	1,625.16	3/4	1,377.86	3/4	1,130.57	3/4	883.27	3/4	639.80	3/4	395.02	3/4	158.47	3/4	
7		7	3,349.58	7	3,103.78	7	2,856.49	7	2,609.19	7	2,361.90	7	2,114.60	7	1,867.30	7	1,620.01	7	1,372.71	7	1,125.42	7	878.12	7	634.78	7	389.86	7	153.88	7	
1/4		1/4	3,344.48	1/4	3,098.63	1/4	2,851.34	1/4	2,604.04	1/4	2,356.74	1/4	2,109.45	1/4	1,862.15	1/4	1,614.86	1/4	1,367.56	1/4	1,120.26	1/4	872.97	1/4	629.76	1/4	384.71	1/4	149.29	1/4	
1/2		1/2	3,339.38	1/2	3,093.48	1/2	2,846.18	1/2	2,598.89	1/2	2,351.59	1/2	2,104.30	1/2	1,857.00	1/2	1,609.70	1/2	1,362.41	1/2	1,115.11	1/2	867.82	1/2	624.74	1/2	379.56	1/2	144.70	1/2	
3/4		3/4	3,334.27	3/4	3,088.33	3/4	2,841.03	3/4	2,593.74	3/4	2,346.44	3/4	2,099.14	3/4	1,851.85	3/4	1,604.55	3/4	1,357.26	3/4	1,109.96	3/4	862.66	3/4	619.72	3/4	374.41	3/4	140.23	3/4	
8		8	3,329.17	8	3,083.18	8	2,835.88	8	2,588.58	8	2,341.29	8	2,093.99	8	1,846.70	8	1,599.40	8	1,352.10	8	1,104.81	8	857.51	8	614.70	8	369.26	8	135.76	8	
1/4		1/4	3,324.07	1/4	3,078.02	1/4	2,830.73	1/4	2,583.43	1/4	2,336.14	1/4	2,088.84	1/4	1,841.54	1/4	1,594.25	1/4	1,346.95	1/4	1,099.66	1/4	852.36	1/4							



BARGE "MM-114" MAGNOLIA MARINE

OUTAGE TABLE

2 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		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	3,935.33	0	3,684.32	0	3,408.39	0	3,132.11	0	2,855.82	0	2,579.53	0	2,303.24	0	2,026.95	0	1,750.67	0	1,474.38	0	1,198.09	0	921.80	0	645.51	0	369.23	0	92.94
1/4		1/4	3,932.55	1/4	3,678.59	1/4	3,402.64	1/4	3,126.35	1/4	2,850.06	1/4	2,573.77	1/4	2,297.49	1/4	2,021.20	1/4	1,744.91	1/4	1,468.62	1/4	1,192.33	1/4	916.05	1/4	639.76	1/4	363.47	1/4	87.18
1/2		1/2	3,929.77	1/2	3,672.86	1/2	3,396.88	1/2	3,120.59	1/2	2,844.31	1/2	2,568.02	1/2	2,291.73	1/2	2,015.44	1/2	1,739.15	1/2	1,462.87	1/2	1,186.58	1/2	910.29	1/2	634.00	1/2	357.71	1/2	81.43
3/4		3/4	3,927.00	3/4	3,667.13	3/4	3,391.13	3/4	3,114.84	3/4	2,838.55	3/4	2,562.26	3/4	2,285.97	3/4	2,009.69	3/4	1,733.40	3/4	1,457.11	3/4	1,180.82	3/4	904.53	3/4	628.25	3/4	351.96	3/4	75.67
1		1	3,923.37	1	3,661.41	1	3,385.37	1	3,109.08	1	2,832.79	1	2,556.51	1	2,280.22	1	2,003.93	1	1,727.64	1	1,451.35	1	1,175.07	1	898.78	1	622.49	1	346.20	1	69.91
1/4		1/4	3,919.74	1/4	3,655.68	1/4	3,379.61	1/4	3,103.33	1/4	2,827.04	1/4	2,550.75	1/4	2,274.46	1/4	1,998.17	1/4	1,721.89	1/4	1,445.60	1/4	1,169.31	1/4	893.02	1/4	616.73	1/4	340.45	1/4	64.16
1/2		1/2	3,916.11	1/2	3,649.95	1/2	3,373.86	1/2	3,097.57	1/2	2,821.28	1/2	2,544.99	1/2	2,268.71	1/2	1,992.42	1/2	1,716.13	1/2	1,439.84	1/2	1,163.55	1/2	887.27	1/2	610.98	1/2	334.69	1/2	58.40
3/4		3/4	3,912.48	3/4	3,644.22	3/4	3,368.10	3/4	3,091.81	3/4	2,815.53	3/4	2,539.24	3/4	2,262.95	3/4	1,986.66	3/4	1,710.37	3/4	1,434.09	3/4	1,157.80	3/4	881.51	3/4	605.22	3/4	328.93	3/4	52.65
2		2	3,907.99	2	3,638.49	2	3,362.35	2	3,086.06	2	2,809.77	2	2,533.48	2	2,257.19	2	1,980.91	2	1,704.62	2	1,428.33	2	1,152.04	2	875.75	2	599.47	2	323.18	2	46.89
1/4		1/4	3,903.51	1/4	3,632.77	1/4	3,356.59	1/4	3,080.30	1/4	2,804.01	1/4	2,527.73	1/4	2,251.44	1/4	1,975.15	1/4	1,698.86	1/4	1,422.57	1/4	1,146.29	1/4	870.00	1/4	593.71	1/4	317.42	1/4	41.13
1/2		1/2	3,899.02	1/2	3,627.04	1/2	3,350.83	1/2	3,074.55	1/2	2,798.26	1/2	2,521.97	1/2	2,245.68	1/2	1,969.39	1/2	1,693.11	1/2	1,416.82	1/2	1,140.53	1/2	864.24	1/2	587.95	1/2	311.67	1/2	35.78
3/4		3/4	3,894.54	3/4	3,621.31	3/4	3,345.08	3/4	3,068.79	3/4	2,792.50	3/4	2,516.21	3/4	2,239.93	3/4	1,963.64	3/4	1,687.35	3/4	1,411.06	3/4	1,134.77	3/4	858.49	3/4	582.20	3/4	305.91	3/4	30.42
3		3	3,889.24	3	3,615.58	3	3,339.32	3	3,063.03	3	2,786.75	3	2,510.46	3	2,234.17	3	1,957.88	3	1,681.59	3	1,405.31	3	1,129.02	3	852.73	3	576.44	3	300.15	3	26.31
1/4		1/4	3,883.94	1/4	3,609.85	1/4	3,333.57	1/4	3,057.28	1/4	2,780.99	1/4	2,504.70	1/4	2,228.41	1/4	1,952.13	1/4	1,675.84	1/4	1,399.55	1/4	1,123.26	1/4	846.97	1/4	570.69	1/4	294.40	1/4	22.19
1/2		1/2	3,878.64	1/2	3,604.10	1/2	3,327.81	1/2	3,051.52	1/2	2,775.23	1/2	2,498.95	1/2	2,222.66	1/2	1,946.37	1/2	1,670.08	1/2	1,393.79	1/2	1,117.51	1/2	841.22	1/2	564.93	1/2	288.64	1/2	18.07
3/4		3/4	3,873.34	3/4	3,598.34	3/4	3,322.05	3/4	3,045.77	3/4	2,769.48	3/4	2,493.19	3/4	2,216.90	3/4	1,940.61	3/4	1,664.33	3/4	1,388.04	3/4	1,111.75	3/4	835.46	3/4	559.17	3/4	282.89	3/4	* 13.95
4		4	3,867.61	4	3,592.59	4	3,316.30	4	3,040.01	4	2,763.72	4	2,487.43	4	2,211.15	4	1,934.86	4	1,658.57	4	1,382.28	4	1,105.99	4	829.71	4	553.42	4	277.13	4	
1/4		1/4	3,861.89	1/4	3,586.83	1/4	3,310.54	1/4	3,034.25	1/4	2,757.97	1/4	2,481.68	1/4	2,209.40	1/4	1,929.10	1/4	1,652.81	1/4	1,376.53	1/4	1,100.24	1/4	823.95	1/4	547.66	1/4	271.37	1/4	
1/2		1/2	3,856.16	1/2	3,581.07	1/2	3,304.79	1/2	3,028.50	1/2	2,752.21	1/2	2,475.92	1/2	2,199.63	1/2	1,923.35	1/2	1,647.06	1/2	1,370.77	1/2	1,094.48	1/2	818.19	1/2	541.91	1/2	265.62	1/2	
3/4		3/4	3,850.43	3/4	3,575.32	3/4	3,299.03	3/4	3,022.74	3/4	2,746.45	3/4	2,470.17	3/4	2,193.88	3/4	1,917.59	3/4	1,641.30	3/4	1,365.01	3/4	1,088.73	3/4	812.44	3/4	536.15	3/4	259.86	3/4	
5		5	3,844.70	5	3,569.56	5	3,293.27	5	3,016.99	5	2,740.70	5	2,464.41	5	2,188.12	5	1,911.83	5	1,635.55	5	1,359.26	5	1,082.97	5	806.68	5	530.39	5	254.11	5	
1/4		1/4	3,838.97	1/4	3,563.81	1/4	3,287.52	1/4	3,011.23	1/4	2,734.94	1/4	2,458.65	1/4	2,182.37	1/4	1,906.08	1/4	1,629.79	1/4	1,353.50	1/4	1,077.21	1/4	800.93	1/4	524.64	1/4	248.35	1/4	
1/2		1/2	3,833.25	1/2	3,558.05	1/2	3,281.76	1/2	3,005.47	1/2	2,729.19	1/2	2,452.90	1/2	2,176.61	1/2	1,900.32	1/2	1,624.03	1/2	1,347.75	1/2	1,071.46	1/2	795.17	1/2	518.88	1/2	242.59	1/2	
3/4		3/4	3,827.52	3/4	3,552.29	3/4	3,276.01	3/4	2,999.72	3/4	2,723.43	3/4	2,447.14	3/4	2,170.85	3/4	1,894.57	3/4	1,618.28	3/4	1,341.99	3/4	1,065.70	3/4	789.41	3/4	513.13	3/4	236.84	3/4	
6		6	3,821.79	6	3,546.54	6	3,270.25	6	2,993.96	6	2,717.67	6	2,441.39	6	2,165.10	6	1,888.81	6	1,612.52	6	1,336.23	6	1,059.95	6	783.66	6	507.37	6	231.08	6	
1/4		1/4	3,816.06	1/4	3,540.78	1/4	3,264.49	1/4	2,988.21	1/4	2,711.92	1/4	2,435.63	1/4	2,159.34	1/4	1,883.05	1/4	1,606.77	1/4	1,330.48	1/4	1,054.19	1/4	777.90	1/4	501.61	1/4	225.33	1/4	
1/2		1/2	3,810.33	1/2	3,535.03	1/2	3,258.74	1/2	2,982.45	1/2	2,706.16	1/2	2,429.87	1/2	2,153.59	1/2	1,877.30	1/2	1,601.01	1/2	1,324.72	1/2	1,048.43	1/2	772.15	1/2	495.86	1/2	219.57	1/2	
3/4		3/4	3,804.61	3/4	3,529.27	3/4	3,252.98	3/4	2,976.69	3/4	2,700.41	3/4	2,424.12	3/4	2,147.83	3/4	1,871.54	3/4	1,595.25	3/4	1,318.97	3/4	1,042.68	3/4	766.39	3/4	490.10	3/4	213.81	3/4	
7		7	3,798.88	7	3,523.51	7	3,247.23	7	2,970.94	7	2,694.65	7	2,418.36	7	2,142.07	7	1,865.79	7	1,589.50	7	1,313.21	7	1,036.92	7	760.63	7	484.35	7	208.06	7	
1/4		1/4	3,793.15	1/4	3,517.76	1/4	3,241.47	1/4	2,965.18	1/4	2,688.89	1/4	2,412.61	1/4	2,136.32	1/4	1,860.03	1/4	1,583.74	1/4	1,307.45	1/4	1,031.17	1/4	754.88	1/4	478.59	1/4	202.30	1/4	
1/2		1/2	3,787.42	1/2	3,512.00	1/2	3,235.71	1/2	2,959.43	1/2	2,683.14	1/2	2,406.85	1/2	2,130.56	1/2	1,854.27	1/2	1,577.99	1/2	1,301.70	1/2	1,025.41	1/2	749.12	1/2	472.83	1/2	196.55	1/2	
3/4		3/4	3,781.69	3/4	3,506.25	3/4	3,229.96	3/4	2,953.67	3/4	2,677.38	3/4	2,401.09	3/4	2,124.81	3/4	1,848.52	3/4	1,572.23	3/4	1,295.94	3/4	1,019.65	3/4	743.37	3/4	467.08	3/4	190.79	3/4	
8		8	3,775.97	8	3,500.49	8	3,224.20	8	2,947.91	8	2,671.63	8	2,395.34	8	2,119.05	8	1,842.76	8	1,566.47	8	1,290.19	8	1,013.90	8	737.61	8	461.32	8	185.03	8	
1/4		1/4	3,770.24	1/4	3,494.73	1/4	3,218.45	1/4	2,942.16	1/4	2,665.87	1/4	2,389.58	1/4	2,113.29	1/4	1,837.01	1/4													

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	92.94	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	87.18	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	81.43	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	75.67	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	69.91	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	64.16	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	58.40	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	52.65	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	46.89	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	41.13	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	35.78	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	30.42	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	26.31	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	22.19	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
1/2	18.07	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	13.95	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	1/4
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	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	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	1/4
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	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	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	1/4
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	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	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	1/4
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	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	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	1/4
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	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	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	1/4
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	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	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	1/4
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	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	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	1/4
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	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	3/4

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS



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	IN	OUT
0	0	3,944.63	0	3,693.62	0	3,417.17	0	3,140.16	0	2,863.15	0	2,586.14	0	2,309.14	0	2,032.13	0	1,755.12	0	1,478.11	0	1,201.10	0	924.10	0	647.09	0	370.08	0	93.07	
1/4	1/4	3,941.85	1/4	3,687.89	1/4	3,411.40	1/4	3,134.39	1/4	2,857.38	1/4	2,580.37	1/4	2,303.37	1/4	2,026.36	1/4	1,749.35	1/4	1,472.34	1/4	1,195.33	1/4	918.33	1/4	641.32	1/4	364.31	1/4	87.30	
1/2	1/2	3,939.07	1/2	3,682.16	1/2	3,405.63	1/2	3,128.62	1/2	2,851.61	1/2	2,574.60	1/2	2,297.59	1/2	2,020.59	1/2	1,743.58	1/2	1,466.57	1/2	1,189.56	1/2	912.55	1/2	635.55	1/2	358.54	1/2	81.53	
3/4	3/4	3,936.30	3/4	3,676.43	3/4	3,399.86	3/4	3,122.85	3/4	2,845.84	3/4	2,568.83	3/4	2,291.82	3/4	2,014.82	3/4	1,737.81	3/4	1,460.80	3/4	1,183.79	3/4	906.78	3/4	629.78	3/4	352.77	3/4	75.76	
1	1	3,932.67	1	3,670.71	1	3,394.08	1	3,117.08	1	2,840.07	1	2,563.06	1	2,286.05	1	2,009.04	1	1,732.04	1	1,455.03	1	1,178.02	1	901.01	1	624.00	1	347.00	1	69.99	
1/4	1/4	3,929.04	1/4	3,664.98	1/4	3,388.31	1/4	3,111.31	1/4	2,834.30	1/4	2,557.29	1/4	2,280.28	1/4	2,003.27	1/4	1,726.27	1/4	1,449.26	1/4	1,172.25	1/4	895.24	1/4	618.23	1/4	341.23	1/4	64.22	
1/2	1/2	3,925.41	1/2	3,659.25	1/2	3,382.54	1/2	3,105.53	1/2	2,828.53	1/2	2,551.52	1/2	2,274.51	1/2	1,997.50	1/2	1,720.49	1/2	1,443.49	1/2	1,166.48	1/2	889.47	1/2	612.46	1/2	335.45	1/2	58.45	
3/4	3/4	3,921.78	3/4	3,653.52	3/4	3,376.77	3/4	3,099.76	3/4	2,822.76	3/4	2,545.75	3/4	2,268.74	3/4	1,991.73	3/4	1,714.72	3/4	1,437.72	3/4	1,160.71	3/4	883.70	3/4	606.69	3/4	329.68	3/4	52.68	
2	2	3,917.29	2	3,647.79	2	3,371.00	2	3,093.99	2	2,816.98	2	2,539.98	2	2,262.97	2	1,985.96	2	1,708.95	2	1,431.94	2	1,154.94	2	877.93	2	600.92	2	323.91	2	46.90	
1/4	1/4	3,912.81	1/4	3,642.07	1/4	3,365.23	1/4	3,088.22	1/4	2,811.21	1/4	2,534.21	1/4	2,257.20	1/4	1,980.19	1/4	1,703.18	1/4	1,426.17	1/4	1,149.17	1/4	872.16	1/4	595.15	1/4	318.14	1/4	41.13	
1/2	1/2	3,908.32	1/2	3,636.34	1/2	3,359.46	1/2	3,082.45	1/2	2,805.44	1/2	2,528.43	1/2	2,251.43	1/2	1,974.42	1/2	1,697.41	1/2	1,420.40	1/2	1,143.39	1/2	866.39	1/2	589.38	1/2	312.37	1/2	35.78	
3/4	3/4	3,903.84	3/4	3,630.61	3/4	3,353.69	3/4	3,076.68	3/4	2,799.67	3/4	2,522.66	3/4	2,245.66	3/4	1,968.65	3/4	1,691.64	3/4	1,414.63	3/4	1,137.62	3/4	860.62	3/4	583.61	3/4	306.60	3/4	30.42	
3	3	3,898.54	3	3,624.88	3	3,347.92	3	3,070.91	3	2,793.90	3	2,516.89	3	2,239.88	3	1,962.88	3	1,685.87	3	1,408.86	3	1,131.85	3	854.84	3	577.84	3	300.83	3	26.31	
1/4	1/4	3,893.24	1/4	3,619.15	1/4	3,342.15	1/4	3,065.14	1/4	2,788.13	1/4	2,511.12	1/4	2,234.11	1/4	1,957.11	1/4	1,680.10	1/4	1,403.09	1/4	1,126.08	1/4	849.07	1/4	572.07	1/4	295.06	1/4	22.19	
1/2	1/2	3,887.94	1/2	3,613.38	1/2	3,336.37	1/2	3,059.37	1/2	2,782.36	1/2	2,505.35	1/2	2,228.34	1/2	1,951.33	1/2	1,674.33	1/2	1,397.32	1/2	1,120.31	1/2	843.30	1/2	566.29	1/2	289.29	1/2	18.07	
3/4	3/4	3,882.64	3/4	3,607.61	3/4	3,330.60	3/4	3,053.60	3/4	2,776.59	3/4	2,499.58	3/4	2,222.57	3/4	1,945.56	3/4	1,668.56	3/4	1,391.55	3/4	1,114.54	3/4	837.53	3/4	560.52	3/4	283.52	3/4	13.95	
4	4	3,876.91	4	3,601.84	4	3,324.83	4	3,047.82	4	2,770.82	4	2,493.81	4	2,216.80	4	1,939.79	4	1,662.78	4	1,385.78	4	1,108.77	4	831.76	4	554.75	4	277.74	4		
1/4	1/4	3,871.19	1/4	3,596.07	1/4	3,319.06	1/4	3,042.05	1/4	2,765.05	1/4	2,488.04	1/4	2,211.03	1/4	1,934.02	1/4	1,657.01	1/4	1,380.01	1/4	1,103.00	1/4	825.99	1/4	548.98	1/4	271.97	1/4		
1/2	1/2	3,865.46	1/2	3,590.30	1/2	3,313.29	1/2	3,036.28	1/2	2,759.27	1/2	2,482.27	1/2	2,205.26	1/2	1,928.25	1/2	1,651.24	1/2	1,374.23	1/2	1,097.23	1/2	820.22	1/2	543.21	1/2	266.20	1/2		
3/4	3/4	3,859.73	3/4	3,584.53	3/4	3,307.52	3/4	3,030.51	3/4	2,753.50	3/4	2,476.50	3/4	2,199.49	3/4	1,922.48	3/4	1,645.47	3/4	1,368.46	3/4	1,091.46	3/4	814.45	3/4	537.44	3/4	260.43	3/4		
5	5	3,854.00	5	3,578.76	5	3,301.75	5	3,024.74	5	2,747.73	5	2,470.72	5	2,193.72	5	1,916.71	5	1,639.70	5	1,362.69	5	1,085.68	5	808.68	5	531.67	5	254.66	5		
1/4	1/4	3,848.27	1/4	3,572.99	1/4	3,295.98	1/4	3,018.97	1/4	2,741.96	1/4	2,464.95	1/4	2,187.95	1/4	1,910.94	1/4	1,633.93	1/4	1,356.92	1/4	1,079.91	1/4	802.91	1/4	525.90	1/4	248.89	1/4		
1/2	1/2	3,842.55	1/2	3,567.21	1/2	3,290.21	1/2	3,013.20	1/2	2,736.19	1/2	2,459.18	1/2	2,182.17	1/2	1,905.17	1/2	1,628.16	1/2	1,351.15	1/2	1,074.14	1/2	797.13	1/2	520.13	1/2	243.12	1/2		
3/4	3/4	3,836.82	3/4	3,561.44	3/4	3,284.44	3/4	3,007.43	3/4	2,730.42	3/4	2,453.41	3/4	2,176.40	3/4	1,899.40	3/4	1,622.39	3/4	1,345.38	3/4	1,068.37	3/4	791.36	3/4	514.36	3/4	237.35	3/4		
6	6	3,831.09	6	3,555.67	6	3,278.66	6	3,001.66	6	2,724.65	6	2,447.64	6	2,170.63	6	1,893.62	6	1,616.62	6	1,339.61	6	1,062.60	6	785.59	6	508.58	6	231.58	6		
1/4	1/4	3,825.36	1/4	3,549.90	1/4	3,272.89	1/4	2,995.89	1/4	2,718.88	1/4	2,441.87	1/4	2,164.86	1/4	1,887.85	1/4	1,610.85	1/4	1,333.84	1/4	1,056.83	1/4	779.82	1/4	502.81	1/4	225.81	1/4		
1/2	1/2	3,819.63	1/2	3,544.13	1/2	3,267.12	1/2	2,990.11	1/2	2,713.11	1/2	2,436.10	1/2	2,159.09	1/2	1,882.08	1/2	1,605.07	1/2	1,328.07	1/2	1,051.06	1/2	774.05	1/2	497.04	1/2	220.03	1/2		
3/4	3/4	3,813.91	3/4	3,538.36	3/4	3,261.35	3/4	2,984.34	3/4	2,707.34	3/4	2,430.33	3/4	2,153.32	3/4	1,876.31	3/4	1,599.30	3/4	1,322.30	3/4	1,045.29	3/4	768.28	3/4	491.27	3/4	214.26	3/4		
7	7	3,808.18	7	3,532.59	7	3,255.58	7	2,978.57	7	2,701.56	7	2,424.56	7	2,147.55	7	1,870.54	7	1,593.53	7	1,316.52	7	1,039.52	7	762.51	7	485.50	7	208.49	7		
1/4	1/4	3,802.45	1/4	3,526.82	1/4	3,249.81	1/4	2,972.80	1/4	2,695.79	1/4	2,418.79	1/4	2,141.78	1/4	1,864.77	1/4	1,587.76	1/4	1,310.75	1/4	1,033.75	1/4	756.74	1/4	479.73	1/4	202.72	1/4		
1/2	1/2	3,796.72	1/2	3,521.05	1/2	3,244.04	1/2	2,967.03	1/2	2,690.02	1/2	2,413.01	1/2	2,136.01	1/2	1,859.00	1/2	1,581.99	1/2	1,304.98	1/2	1,027.97	1/2	750.97	1/2	473.96	1/2	196.95	1/2		
3/4	3/4	3,790.99	3/4	3,515.28	3/4	3,238.27	3/4	2,961.26	3/4	2,684.25	3/4	2,407.24	3/4	2,130.24	3/4	1,853.23	3/4	1,576.22	3/4	1,299.21	3/4	1,022.20	3/4	745.20	3/4	468.19	3/4	191.18	3/4		
8	8	3,785.27	8	3,509.50	8	3,232.50	8	2,955.49	8	2,678.48	8	2,401.47	8	2,124.46	8	1,847.46	8	1,570.45	8	1,293.44	8	1,016.43	8	739.42	8	462.42	8	185.41	8		
1/4	1/4	3,779.54	1/4	3,503.73	1/4	3,226.73	1/4	2,949.72	1/4	2,672.71	1/4	2,395.70	1/4	2,118.69	1/4	1,841.69	1/4	1,564.68	1/4	1,287.67	1/4	1,010.66	1/4	733.65	1/4	456.65	1/4	179.64	1/4		



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	IN	OUT
0	0	3,406.62	0	3,257.18	0	3,096.95	0	2,936.73	0	2,776.50	0	2,559.19	0	2,283.52	0	2,007.86	0	1,732.19	0	1,456.53	0	1,180.87	0	905.20	0	630.86	0	356.42	0	81.09	
1/4	1/4	3,405.04	1/4	3,253.84	1/4	3,093.61	1/4	2,933.39	1/4	2,773.17	1/4	2,553.44	1/4	2,277.78	1/4	2,002.12	1/4	1,726.45	1/4	1,450.79	1/4	1,175.12	1/4	899.46	1/4	625.17	1/4	350.68	1/4	75.35	
1/2	1/2	3,402.96	1/2	3,250.50	1/2	3,090.28	1/2	2,930.05	1/2	2,769.83	1/2	2,547.70	1/2	2,272.04	1/2	1,996.37	1/2	1,720.71	1/2	1,445.04	1/2	1,169.38	1/2	893.72	1/2	619.47	1/2	344.94	1/2	69.62	
3/4	3/4	3,400.87	3/4	3,247.16	3/4	3,086.94	3/4	2,926.71	3/4	2,766.49	3/4	2,541.96	3/4	2,266.29	3/4	1,990.63	3/4	1,714.97	3/4	1,439.30	3/4	1,163.64	3/4	887.97	3/4	613.78	3/4	339.21	3/4	63.88	
1	1	3,398.79	1	3,243.82	1	3,083.60	1	2,923.38	1	2,763.15	1	2,536.21	1	2,260.55	1	1,984.89	1	1,709.22	1	1,433.56	1	1,157.89	1	882.23	1	608.09	1	333.47	1	58.14	
1/4	1/4	3,396.70	1/4	3,240.49	1/4	3,080.26	1/4	2,920.04	1/4	2,759.81	1/4	2,530.47	1/4	2,254.81	1/4	1,979.14	1/4	1,703.48	1/4	1,427.82	1/4	1,152.15	1/4	876.49	1/4	602.39	1/4	327.74	1/4	52.41	
1/2	1/2	3,394.12	1/2	3,237.15	1/2	3,076.92	1/2	2,916.70	1/2	2,756.48	1/2	2,524.73	1/2	2,249.06	1/2	1,973.40	1/2	1,697.74	1/2	1,422.07	1/2	1,146.41	1/2	870.74	1/2	596.70	1/2	322.00	1/2	46.67	
3/4	3/4	3,391.53	3/4	3,233.81	3/4	3,073.59	3/4	2,913.36	3/4	2,753.14	3/4	2,518.99	3/4	2,243.32	3/4	1,967.66	3/4	1,691.99	3/4	1,416.33	3/4	1,140.67	3/4	865.00	3/4	591.00	3/4	316.26	3/4	40.94	
2	2	3,388.95	2	3,230.47	2	3,070.25	2	2,910.02	2	2,749.80	2	2,513.24	2	2,237.58	2	1,961.91	2	1,686.25	2	1,410.59	2	1,134.92	2	859.26	2	585.31	2	310.53	2	35.61	
1/4	1/4	3,386.36	1/4	3,227.13	1/4	3,066.91	1/4	2,906.69	1/4	2,746.46	1/4	2,507.50	1/4	2,231.84	1/4	1,956.17	1/4	1,680.51	1/4	1,404.84	1/4	1,129.18	1/4	853.52	1/4	579.62	1/4	304.79	1/4	30.28	
1/2	1/2	3,383.27	1/2	3,223.80	1/2	3,063.57	1/2	2,903.35	1/2	2,743.12	1/2	2,501.76	1/2	2,226.09	1/2	1,950.43	1/2	1,674.76	1/2	1,399.10	1/2	1,123.44	1/2	847.77	1/2	573.92	1/2	299.06	1/2	26.19	
3/4	3/4	3,380.18	3/4	3,220.46	3/4	3,060.23	3/4	2,900.01	3/4	2,739.79	3/4	2,496.01	3/4	2,220.35	3/4	1,944.69	3/4	1,669.02	3/4	1,393.36	3/4	1,117.69	3/4	842.03	3/4	568.23	3/4	293.32	3/4	22.09	
3	3	3,377.10	3	3,217.12	3	3,056.90	3	2,896.67	3	2,736.27	3	2,490.27	3	2,214.61	3	1,938.94	3	1,663.28	3	1,387.61	3	1,111.95	3	836.29	3	562.53	3	287.58	3	17.99	
1/4	1/4	3,374.01	1/4	3,213.78	1/4	3,053.56	1/4	2,893.33	1/4	2,732.75	1/4	2,484.53	1/4	2,208.86	1/4	1,933.20	1/4	1,657.54	1/4	1,381.87	1/4	1,106.21	1/4	830.54	1/4	556.84	1/4	281.85	1/4	13.89	
1/2	1/2	3,370.67	1/2	3,210.44	1/2	3,050.22	1/2	2,890.00	1/2	2,729.23	1/2	2,478.78	1/2	2,203.12	1/2	1,927.46	1/2	1,651.79	1/2	1,376.13	1/2	1,100.46	1/2	824.80	1/2	551.15	1/2	276.11	1/2		
3/4	3/4	3,367.33	3/4	3,207.11	3/4	3,046.88	3/4	2,886.66	3/4	2,725.41	3/4	2,473.04	3/4	2,197.38	3/4	1,921.71	3/4	1,646.05	3/4	1,370.39	3/4	1,094.72	3/4	819.06	3/4	545.45	3/4	270.38	3/4		
4	4	3,363.99	4	3,203.77	4	3,043.54	4	2,883.32	4	2,721.58	4	2,467.30	4	2,191.63	4	1,915.97	4	1,640.31	4	1,364.64	4	1,088.98	4	813.31	4	539.76	4	264.64	4		
1/4	1/4	3,360.66	1/4	3,200.43	1/4	3,040.21	1/4	2,879.98	1/4	2,717.76	1/4	2,461.56	1/4	2,185.89	1/4	1,910.23	1/4	1,634.56	1/4	1,358.90	1/4	1,083.24	1/4	807.57	1/4	534.06	1/4	258.90	1/4		
1/2	1/2	3,357.32	1/2	3,197.09	1/2	3,036.87	1/2	2,876.64	1/2	2,713.94	1/2	2,455.81	1/2	2,180.15	1/2	1,904.48	1/2	1,628.82	1/2	1,353.16	1/2	1,077.49	1/2	801.83	1/2	528.37	1/2	253.17	1/2		
3/4	3/4	3,353.98	3/4	3,193.75	3/4	3,033.53	3/4	2,873.31	3/4	2,709.77	3/4	2,450.07	3/4	2,174.41	3/4	1,898.74	3/4	1,623.08	3/4	1,347.41	3/4	1,071.75	3/4	796.09	3/4	522.68	3/4	247.43	3/4		
5	5	3,350.64	5	3,190.42	5	3,030.19	5	2,869.97	5	2,705.60	5	2,444.33	5	2,168.66	5	1,893.00	5	1,617.33	5	1,341.67	5	1,066.01	5	790.34	5	516.98	5	241.70	5		
1/4	1/4	3,347.30	1/4	3,187.08	1/4	3,026.85	1/4	2,866.63	1/4	2,701.43	1/4	2,438.58	1/4	2,162.92	1/4	1,887.26	1/4	1,611.59	1/4	1,335.93	1/4	1,060.26	1/4	784.60	1/4	511.29	1/4	235.96	1/4		
1/2	1/2	3,343.97	1/2	3,183.74	1/2	3,023.52	1/2	2,863.29	1/2	2,697.26	1/2	2,432.84	1/2	2,157.18	1/2	1,881.51	1/2	1,605.85	1/2	1,330.18	1/2	1,054.52	1/2	778.91	1/2	505.55	1/2	230.22	1/2		
3/4	3/4	3,340.63	3/4	3,180.40	3/4	3,020.18	3/4	2,859.95	3/4	2,692.74	3/4	2,427.10	3/4	2,151.43	3/4	1,875.77	3/4	1,600.11	3/4	1,324.44	3/4	1,048.78	3/4	773.21	3/4	499.82	3/4	224.49	3/4		
6	6	3,337.29	6	3,177.06	6	3,016.84	6	2,856.62	6	2,688.22	6	2,421.35	6	2,145.69	6	1,870.03	6	1,594.36	6	1,318.70	6	1,043.03	6	767.52	6	494.08	6	218.75	6		
1/4	1/4	3,333.95	1/4	3,173.73	1/4	3,013.50	1/4	2,853.28	1/4	2,683.70	1/4	2,415.61	1/4	2,139.95	1/4	1,864.28	1/4	1,588.62	1/4	1,312.96	1/4	1,037.29	1/4	761.82	1/4	488.34	1/4	213.02	1/4		
1/2	1/2	3,330.61	1/2	3,170.39	1/2	3,010.16	1/2	2,849.94	1/2	2,679.18	1/2	2,409.87	1/2	2,134.20	1/2	1,858.54	1/2	1,582.88	1/2	1,307.21	1/2	1,031.55	1/2	756.13	1/2	482.61	1/2	207.28	1/2		
3/4	3/4	3,327.28	3/4	3,167.05	3/4	3,006.83	3/4	2,846.60	3/4	2,674.32	3/4	2,404.13	3/4	2,128.46	3/4	1,852.80	3/4	1,577.13	3/4	1,301.47	3/4	1,025.81	3/4	750.44	3/4	476.87	3/4	201.54	3/4		
7	7	3,323.94	7	3,163.71	7	3,003.49	7	2,843.26	7	2,669.45	7	2,398.38	7	2,122.72	7	1,847.05	7	1,571.39	7	1,295.73	7	1,020.06	7	744.74	7	471.14	7	195.81	7		
1/4	1/4	3,320.60	1/4	3,160.37	1/4	3,000.15	1/4	2,839.93	1/4	2,664.59	1/4	2,392.64	1/4	2,116.98	1/4	1,841.31	1/4	1,565.65	1/4	1,289.98	1/4	1,014.32	1/4	739.05	1/4	465.40	1/4	190.07	1/4		
1/2	1/2	3,317.26	1/2	3,157.04	1/2	2,996.81	1/2	2,836.59	1/2	2,659.72	1/2	2,386.90	1/2	2,111.23	1/2	1,835.57	1/2	1,559.90	1/2	1,284.24	1/2	1,008.58	1/2	733.35	1/2	459.66	1/2	184.34	1/2		
3/4	3/4	3,313.92	3/4	3,153.70	3/4	2,993.47	3/4	2,833.25	3/4	2,654.51	3/4	2,381.15	3/4	2,105.49	3/4	1,829.83	3/4	1,554.16	3/4	1,278.50	3/4	1,002.83	3/4	727.66	3/4	453.93	3/4	178.60	3/4		
8	8	3,310.59	8	3,150.36	8	2,990.14	8	2,829.91	8	2,649.29	8	2,375.41	8	2,099.75	8	1,824.08	8	1,548.42	8	1,272.75	8	997.09	8	721.97	8	448.19	8	172.86	8		
1/4	1/4	3,307.25	1/4	3,147.02	1/4	2,986.80	1/4	2,826.57	1/4	2,644.08	1/4	2,369.67	1/4	2,094.00	1/4	1,818.34	1/4	1,542.68	1/4	1,267.01	1/4	991.35	1/4	716.27	1/4	442.46	1/4	167.13	1/4		
1/2	1/2	3,303.91	1/2	3,143.68	1/2	2,983.46	1/2	2,823.24	1/2	2,638.86	1/2	2,363.92	1/2	2,088.26	1/2	1,812.60	1/2	1,536.93	1/2	1,261.27	1/2	985.60	1/2	710.58	1/2	436.72	1/2	161.39	1/2		
3/4	3/4	3,300.57	3/4	3,140.35	3/4	2,980.12	3/4	2,819.90	3/4	2,633.30	3/4	2,358.18	3/4	2,082.52	3/4	1,806.85	3/4	1,531.19	3/4	1,255.53	3/4	979.86	3/4	704.88	3/4	430.98	3/4	155.66	3/4		
9	9	3,318.14	9	3,297.23	9	3,137.01	9	2,976.78	9	2,816.56	9	2,627.74	9	2,352.44	9	2,076.77	9	1,801.11	9	1,525.45	9	1,249.78	9	974.12	9	699.19	9	425.25	9		
1/4	1/4	3,318.00	1/4	3,293.90	1/4	3,133.67	1/4	2,973.45	1/4	2,813.22	1/																				

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	81.09	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	75.35	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	69.62	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	63.88	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	58.14	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	52.41	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	46.67	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	40.94	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	35.61	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	30.28	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
1/4	26.19	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
1/4	22.09	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
1 1/4	17.99	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	13.89	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-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	IN	OUT
0	0	3,409.79	0	3,263.85	0	3,103.63	0	2,943.40	0	2,783.18	0	2,570.67	0	2,295.01	0	2,019.34	0	1,743.68	0	1,468.02	0	1,192.35	0	916.69	0	642.25	0	367.89	0	92.56	
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	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	3,405.04	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	
1	1	3,402.96	1	3,250.50	1	3,090.28	1	2,930.05	1	2,769.83	1	2,547.70	1	2,272.04	1	1,996.37	1	1,720.71	1	1,445.04	1	1,169.38	1	893.72	1	619.47	1	344.94	1	69.62	
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	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	3,396.70	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	
2	2	3,394.12	2	3,237.15	2	3,076.92	2	2,916.70	2	2,756.48	2	2,524.73	2	2,249.06	2	1,973.40	2	1,697.74	2	1,422.07	2	1,146.41	2	870.74	2	596.70	2	322.00	2	46.67	
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	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	3,386.36	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	
3	3	3,383.27	3	3,223.80	3	3,063.57	3	2,903.35	3	2,743.12	3	2,501.76	3	2,226.09	3	1,950.43	3	1,674.76	3	1,399.10	3	1,123.44	3	847.77	3	573.92	3	299.06	3	26.19	
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	2,220.35	1/4	1,944.69	1/4	1,669.02	1/4	1,393.36	1/4	1,117.69	1/4	842.03	1/4	568.23	1/4	293.32	1/4	22.09	
1/2	1/2	3,377.10	1/2	3,217.12	1/2	3,056.90	1/2	2,896.67	1/2	2,736.27	1/2	2,490.27	1/2	2,214.61	1/2	1,938.94	1/2	1,663.28	1/2	1,387.61	1/2	1,111.95	1/2	836.29	1/2	562.53	1/2	287.58	1/2	17.99	
3/4	3/4	3,374.01	3/4	3,213.78	3/4	3,053.56	3/4	2,893.33	3/4	2,732.75	3/4	2,484.53	3/4	2,208.86	3/4	1,933.20	3/4	1,657.54	3/4	1,381.87	3/4	1,106.21	3/4	830.54	3/4	556.84	3/4	281.85	3/4	13.89	
4	4	3,370.67	4	3,210.44	4	3,050.22	4	2,890.00	4	2,729.23	4	2,478.78	4	2,203.12	4	1,927.46	4	1,651.79	4	1,376.13	4	1,100.46	4	824.80	4	551.15	4	276.11	4		
1/4	1/4	3,367.33	1/4	3,207.11	1/4	3,046.88	1/4	2,886.66	1/4	2,725.41	1/4	2,475.04	1/4	2,197.38	1/4	1,921.71	1/4	1,646.05	1/4	1,370.39	1/4	1,094.72	1/4	819.06	1/4	545.45	1/4	270.38	1/4		
1/2	1/2	3,363.99	1/2	3,203.77	1/2	3,043.54	1/2	2,883.32	1/2	2,721.58	1/2	2,467.30	1/2	2,191.63	1/2	1,915.97	1/2	1,640.31	1/2	1,364.64	1/2	1,088.98	1/2	813.31	1/2	539.76	1/2	264.64	1/2		
3/4	3/4	3,360.66	3/4	3,200.43	3/4	3,040.21	3/4	2,879.98	3/4	2,717.76	3/4	2,461.56	3/4	2,185.89	3/4	1,910.23	3/4	1,634.56	3/4	1,358.90	3/4	1,083.24	3/4	807.57	3/4	534.06	3/4	258.90	3/4		
5	5	3,357.32	5	3,197.09	5	3,036.87	5	2,876.64	5	2,713.94	5	2,455.81	5	2,180.15	5	1,904.48	5	1,628.82	5	1,353.16	5	1,077.49	5	801.83	5	528.37	5	253.17	5		
1/4	1/4	3,353.98	1/4	3,193.75	1/4	3,033.53	1/4	2,873.31	1/4	2,709.77	1/4	2,450.07	1/4	2,174.41	1/4	1,898.74	1/4	1,623.08	1/4	1,347.41	1/4	1,071.75	1/4	796.09	1/4	522.68	1/4	247.43	1/4		
1/2	1/2	3,350.64	1/2	3,190.42	1/2	3,030.19	1/2	2,869.97	1/2	2,705.60	1/2	2,444.33	1/2	2,168.66	1/2	1,893.00	1/2	1,617.33	1/2	1,341.67	1/2	1,066.01	1/2	790.34	1/2	516.98	1/2	241.70	1/2		
3/4	3/4	3,347.30	3/4	3,187.08	3/4	3,026.85	3/4	2,866.63	3/4	2,701.43	3/4	2,438.58	3/4	2,162.92	3/4	1,887.26	3/4	1,611.59	3/4	1,335.93	3/4	1,060.26	3/4	784.60	3/4	511.29	3/4	235.96	3/4		
6	6	3,343.97	6	3,183.74	6	3,023.52	6	2,863.29	6	2,697.26	6	2,432.84	6	2,157.18	6	1,881.51	6	1,605.85	6	1,330.18	6	1,054.52	6	778.91	6	505.55	6	230.22	6		
1/4	1/4	3,340.63	1/4	3,180.40	1/4	3,020.18	1/4	2,859.95	1/4	2,692.74	1/4	2,427.10	1/4	2,151.43	1/4	1,875.77	1/4	1,600.11	1/4	1,324.44	1/4	1,048.78	1/4	773.21	1/4	499.82	1/4	224.49	1/4		
1/2	1/2	3,337.29	1/2	3,177.06	1/2	3,016.84	1/2	2,856.62	1/2	2,688.22	1/2	2,421.35	1/2	2,145.69	1/2	1,870.03	1/2	1,594.36	1/2	1,318.70	1/2	1,043.03	1/2	767.52	1/2	494.08	1/2	218.75	1/2		
3/4	3/4	3,333.95	3/4	3,173.73	3/4	3,013.50	3/4	2,853.28	3/4	2,683.70	3/4	2,415.61	3/4	2,139.95	3/4	1,864.28	3/4	1,588.62	3/4	1,312.96	3/4	1,037.29	3/4	761.82	3/4	488.34	3/4	213.02	3/4		
7	7	3,330.61	7	3,170.39	7	3,010.16	7	2,849.94	7	2,679.18	7	2,409.87	7	2,134.20	7	1,858.54	7	1,582.88	7	1,307.21	7	1,031.55	7	756.13	7	482.61	7	207.28	7		
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	1/4		
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	1/2		
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	3/4		
8	8	3,317.26	8	3,157.04	8	2,996.81	8	2,836.59	8	2,659.72	8	2,386.90	8	2,111.23	8	1,835.57	8	1,559.90	8	1,284.24	8	1,008.58	8	733.35	8	459.66	8	184.34	8		
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	1/4		

