



# BARGE "MM-113" MAGNOLIA MARINE

## OUTAGE TABLE

# 1 PORT

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

HULL NO. 2157-1

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	
0		0	3,375.09	0	3,129.54	0	2,882.25	0	2,634.95	0	2,387.66	0	2,140.36	0	1,893.06	0	1,645.77	0	1,398.47	0	1,151.18	0	903.88	0	659.88	0	415.62	0	176.84
1/4		1/4	3,369.99	1/4	3,124.39	1/4	2,877.10	1/4	2,629.80	1/4	2,382.50	1/4	2,135.21	1/4	1,887.91	1/4	1,640.62	1/4	1,393.32	1/4	1,146.02	1/4	898.73	1/4	654.86	1/4	410.47	1/4	172.25
1/2		1/2	3,364.89	1/2	3,119.24	1/2	2,871.94	1/2	2,624.65	1/2	2,377.35	1/2	2,130.06	1/2	1,882.76	1/2	1,635.46	1/2	1,388.17	1/2	1,140.87	1/2	893.58	1/2	649.84	1/2	405.32	1/2	167.66
3/4		3/4	3,359.78	3/4	3,114.09	3/4	2,866.79	3/4	2,619.50	3/4	2,372.20	3/4	2,124.90	3/4	1,877.61	3/4	1,630.31	3/4	1,383.02	3/4	1,135.72	3/4	888.42	3/4	644.82	3/4	400.17	3/4	163.06
1		1	3,354.68	1	3,108.94	1	2,861.64	1	2,614.34	1	2,367.05	1	2,119.75	1	1,872.46	1	1,625.16	1	1,377.86	1	1,130.57	1	883.27	1	639.80	1	395.02	1	158.47
1/4		1/4	3,349.58	1/4	3,103.78	1/4	2,856.49	1/4	2,609.19	1/4	2,361.90	1/4	2,114.60	1/4	1,867.30	1/4	1,620.01	1/4	1,372.71	1/4	1,125.42	1/4	878.12	1/4	634.78	1/4	389.86	1/4	153.88
1/2		1/2	3,344.48	1/2	3,098.63	1/2	2,851.34	1/2	2,604.04	1/2	2,356.74	1/2	2,109.45	1/2	1,862.15	1/2	1,614.86	1/2	1,367.56	1/2	1,120.26	1/2	872.97	1/2	629.76	1/2	384.71	1/2	149.29
3/4		3/4	3,339.38	3/4	3,093.48	3/4	2,846.18	3/4	2,598.89	3/4	2,351.59	3/4	2,104.30	3/4	1,857.00	3/4	1,609.70	3/4	1,362.41	3/4	1,115.11	3/4	867.82	3/4	624.74	3/4	379.56	3/4	144.70
2		2	3,334.27	2	3,088.33	2	2,841.03	2	2,593.74	2	2,346.44	2	2,099.14	2	1,851.85	2	1,604.55	2	1,357.26	2	1,109.96	2	862.66	2	619.72	2	374.41	2	140.23
1/4		1/4	3,329.17	1/4	3,083.18	1/4	2,835.88	1/4	2,588.58	1/4	2,341.29	1/4	2,093.99	1/4	1,846.70	1/4	1,599.40	1/4	1,352.10	1/4	1,104.81	1/4	857.51	1/4	614.70	1/4	369.26	1/4	135.76
1/2		1/2	3,324.07	1/2	3,078.02	1/2	2,830.73	1/2	2,583.43	1/2	2,336.14	1/2	2,088.84	1/2	1,841.54	1/2	1,594.25	1/2	1,346.95	1/2	1,099.66	1/2	852.36	1/2	609.68	1/2	364.10	1/2	131.29
3/4		3/4	3,318.97	3/4	3,072.87	3/4	2,825.58	3/4	2,578.28	3/4	2,330.98	3/4	2,083.69	3/4	1,836.39	3/4	1,589.10	3/4	1,341.80	3/4	1,094.50	3/4	847.21	3/4	604.66	3/4	358.95	3/4	126.82
3	3,489.21	3	3,313.87	3	3,067.72	3	2,820.42	3	2,573.13	3	2,325.83	3	2,078.54	3	1,831.24	3	1,583.94	3	1,336.65	3	1,089.35	3	842.06	3	599.64	3	353.80	3	122.36
1/4	3,488.98	1/4	3,308.76	1/4	3,062.57	1/4	2,815.27	1/4	2,567.98	1/4	2,320.68	1/4	2,073.38	1/4	1,826.09	1/4	1,578.79	1/4	1,331.50	1/4	1,084.20	1/4	836.90	1/4	594.62	1/4	348.65	1/4	117.89
1/2	3,488.74	1/2	3,303.66	1/2	3,057.42	1/2	2,810.12	1/2	2,562.82	1/2	2,315.53	1/2	2,068.23	1/2	1,820.94	1/2	1,573.64	1/2	1,326.34	1/2	1,079.05	1/2	831.75	1/2	589.60	1/2	343.50	1/2	113.42
3/4	3,488.50	3/4	3,298.56	3/4	3,052.26	3/4	2,804.97	3/4	2,557.67	3/4	2,310.38	3/4	2,063.08	3/4	1,815.78	3/4	1,568.49	3/4	1,321.19	3/4	1,073.90	3/4	826.60	3/4	584.58	3/4	338.34	3/4	108.95
4	3,487.60	4	3,293.46	4	3,047.11	4	2,799.82	4	2,552.52	4	2,305.22	4	2,057.93	4	1,810.63	4	1,563.34	4	1,316.04	4	1,068.74	4	821.45	4	579.56	4	333.25	4	104.61
1/4	3,486.70	1/4	3,288.36	1/4	3,041.96	1/4	2,794.66	1/4	2,547.37	1/4	2,300.07	1/4	2,052.78	1/4	1,805.48	1/4	1,558.18	1/4	1,310.89	1/4	1,063.59	1/4	816.30	1/4	574.54	1/4	328.16	1/4	100.26
1/2	3,485.79	1/2	3,283.25	1/2	3,036.81	1/2	2,789.51	1/2	2,542.22	1/2	2,294.92	1/2	2,047.62	1/2	1,800.33	1/2	1,553.03	1/2	1,305.74	1/2	1,058.44	1/2	811.14	1/2	569.52	1/2	323.07	1/2	95.92
3/4	3,484.89	3/4	3,278.15	3/4	3,031.66	3/4	2,784.36	3/4	2,537.06	3/4	2,289.77	3/4	2,042.47	3/4	1,795.18	3/4	1,547.88	3/4	1,300.58	3/4	1,053.29	3/4	805.99	3/4	564.50	3/4	317.98	3/4	91.58
5	3,483.22	5	3,273.05	5	3,026.50	5	2,779.21	5	2,531.91	5	2,284.62	5	2,037.32	5	1,790.02	5	1,542.73	5	1,295.43	5	1,048.14	5	800.84	5	559.48	5	312.89	5	87.23
1/4	3,481.55	1/4	3,267.95	1/4	3,021.35	1/4	2,774.06	1/4	2,526.76	1/4	2,279.46	1/4	2,032.17	1/4	1,784.87	1/4	1,537.58	1/4	1,290.28	1/4	1,042.98	1/4	795.69	1/4	554.46	1/4	307.80	1/4	82.89
1/2	3,479.88	1/2	3,262.85	1/2	3,016.20	1/2	2,768.90	1/2	2,521.61	1/2	2,274.31	1/2	2,027.02	1/2	1,779.72	1/2	1,532.42	1/2	1,285.13	1/2	1,037.83	1/2	790.54	1/2	549.44	1/2	302.71	1/2	78.54
3/4	3,478.22	3/4	3,257.74	3/4	3,011.05	3/4	2,763.75	3/4	2,516.46	3/4	2,269.16	3/4	2,021.86	3/4	1,774.57	3/4	1,527.27	3/4	1,279.98	3/4	1,032.68	3/4	785.38	3/4	544.42	3/4	297.62	3/4	74.20
6	3,475.79	6	3,252.64	6	3,005.90	6	2,758.60	6	2,511.30	6	2,264.01	6	2,016.71	6	1,769.42	6	1,522.12	6	1,274.82	6	1,027.53	6	780.36	6	539.27	6	292.66	6	69.98
1/4	3,473.36	1/4	3,247.54	1/4	3,000.74	1/4	2,753.45	1/4	2,506.15	1/4	2,258.86	1/4	2,011.56	1/4	1,764.26	1/4	1,516.97	1/4	1,269.67	1/4	1,022.38	1/4	775.34	1/4	534.12	1/4	287.69	1/4	65.76
1/2	3,470.93	1/2	3,242.44	1/2	2,995.59	1/2	2,748.30	1/2	2,501.00	1/2	2,253.70	1/2	2,006.41	1/2	1,759.11	1/2	1,511.82	1/2	1,264.52	1/2	1,017.22	1/2	770.32	1/2	528.97	1/2	282.73	1/2	61.54
3/4	3,468.50	3/4	3,237.34	3/4	2,990.44	3/4	2,743.14	3/4	2,495.85	3/4	2,248.55	3/4	2,001.26	3/4	1,753.96	3/4	1,506.66	3/4	1,259.37	3/4	1,012.07	3/4	765.30	3/4	523.82	3/4	277.76	3/4	57.32
7	3,465.30	7	3,232.23	7	2,985.29	7	2,737.99	7	2,490.70	7	2,243.40	7	1,996.10	7	1,748.81	7	1,501.51	7	1,254.22	7	1,006.92	7	760.28	7	518.66	7	272.79	7	53.10
1/4	3,462.11	1/4	3,227.13	1/4	2,980.14	1/4	2,732.84	1/4	2,485.54	1/4	2,238.25	1/4	1,990.95	1/4	1,743.66	1/4	1,496.36	1/4	1,249.06	1/4	1,001.77	1/4	755.26	1/4	513.51	1/4	267.83	1/4	48.88
1/2	3,458.91	1/2	3,222.03	1/2	2,974.98	1/2	2,727.69	1/2	2,480.39	1/2	2,233.10	1/2	1,985.80	1/2	1,738.50	1/2	1,491.21	1/2	1,243.91	1/2	996.62	1/2	750.24	1/2	508.36	1/2	262.86	1/2	44.66
3/4	3,455.72	3/4	3,216.93	3/4	2,969.83	3/4	2,722.54	3/4	2,475.24	3/4	2,227.94	3/4	1,980.65	3/4	1,733.35	3/4	1,486.06	3/4	1,238.76	3/4	991.46	3/4	745.22	3/4	503.21	3/4	257.90	3/4	40.44
8	3,451.76	8	3,211.83	8	2,964.68	8	2,717.38	8	2,470.09	8	2,222.79	8	1,975.50	8	1,728.20	8	1,480.90	8	1,233.61	8	986.31	8	740.20	8	498.06	8	253.05	8	36.35
1/4	3,447.80	1/4	3,206.72	1/4	2,959.53	1/4	2,712.23	1/4	2,464.94	1/4	2,217.64	1/4	1,970.34	1/4	1,723.05	1/4	1,475.75	1/4	1,228.46	1/4	981.16	1/4	735.18	1/4	492.90	1/4	248.21	1/4	32.25
1/2	3,443.85	1/2	3,201.62	1/2	2,954.38	1/2	2,707.08	1/2	2,459.78	1/2	2,212.49	1/2	1,965.19	1/2	1,717.90	1/2	1,470.60	1/2	1,223.30	1/2	976.01	1/2	730.16	1/2	487.75	1/2	243.37	1/2	28.41
3/4	3,439.89	3/4	3,196.52	3/4	2,949.22	3/4	2,701.93	3/4	2,454.63	3/4	2,207.34	3/4	1,960.04	3/4	1,712.74	3/4	1,465.45	3/4	1,218.15	3/4	970.86	3/4	725.14	3/4	482.60	3/4	238.53	3/4	24.57
9	3,435.17	9	3,191.37	9	2,944.07	9	2,696.78	9	2,449.48	9	2,202.18	9	1,954.89	9	1,707.59	9	1,460.30	9	1,213.00	9	965.70	9	720.12	9	477.45	9	233.69	9	21.49
1/4	3,430.45	1/4	3,186.22	1/4	2,938.92	1/4	2,691.62	1/4	2,444.33	1/4	2,197.03	1/4	1,949.74	1/4	1,702.44	1/4	1,455.14	1/4	1,207.85	1/4	960.55	1/4	715.10	1/4	472.30	1/4	228.84	1/4	18.41
1/2	3,425.73	1/2	3,181.06	1/2	2,933.77	1/2	2,686.47	1/2	2																				

# 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.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	<b>176.84</b>		<b>172.25</b>		<b>167.66</b>		<b>163.06</b>		<b>158.47</b>		<b>153.88</b>		<b>149.29</b>		<b>144.70</b>		<b>140.23</b>		<b>135.76</b>		<b>131.29</b>		<b>126.82</b>		<b>122.36</b>		<b>117.89</b>		<b>113.42</b>		<b>108.95</b>
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	1/4	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	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	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
	<b>158.47</b>		<b>153.88</b>		<b>149.29</b>		<b>144.70</b>		<b>140.23</b>		<b>135.76</b>		<b>131.29</b>		<b>126.82</b>		<b>122.36</b>		<b>117.89</b>		<b>113.42</b>		<b>108.95</b>		<b>104.61</b>		<b>100.26</b>		<b>95.92</b>		<b>91.58</b>
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	1/4	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	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	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
	<b>87.23</b>		<b>82.89</b>		<b>78.54</b>		<b>74.20</b>		<b>69.98</b>		<b>65.76</b>		<b>61.54</b>		<b>57.32</b>		<b>53.10</b>		<b>48.88</b>		<b>44.66</b>		<b>40.44</b>		<b>36.35</b>		<b>32.25</b>		<b>28.41</b>		<b>24.57</b>
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	1/4	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	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	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
	<b>21.49</b>		<b>18.41</b>		<b>15.33</b>		<b>12.25</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>
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	1/4	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	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	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
	<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>
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	1/4	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	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	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-113" MAGNOLIA MARINE

## OUTAGE TABLE

# 1 STAR

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

HULL NO. 2157-1

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	
0		0	3,369.99	0	3,124.39	0	2,877.10	0	2,629.80	0	2,382.50	0	2,135.21	0	1,887.91	0	1,640.62	0	1,393.32	0	1,146.02	0	898.73	0	654.86	0	410.47	0	172.25
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
1/2		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
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
1		1	3,349.58	1	3,103.78	1	2,856.49	1	2,609.19	1	2,361.90	1	2,114.60	1	1,867.30	1	1,620.01	1	1,372.71	1	1,125.42	1	878.12	1	634.78	1	389.86	1	153.88
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
1/2		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
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
2		2	3,329.17	2	3,083.18	2	2,835.88	2	2,588.58	2	2,341.29	2	2,093.99	2	1,846.70	2	1,599.40	2	1,352.10	2	1,104.81	2	857.51	2	614.70	2	369.26	2	135.76
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	609.68	1/4	364.10	1/4	131.29
1/2		1/2	3,318.97	1/2	3,072.87	1/2	2,825.58	1/2	2,578.28	1/2	2,330.98	1/2	2,083.69	1/2	1,836.39	1/2	1,589.10	1/2	1,341.80	1/2	1,094.50	1/2	847.21	1/2	604.66	1/2	358.95	1/2	126.82
3/4		3/4	3,313.87	3/4	3,067.72	3/4	2,820.42	3/4	2,573.13	3/4	2,325.83	3/4	2,078.54	3/4	1,831.24	3/4	1,583.94	3/4	1,336.65	3/4	1,089.35	3/4	842.06	3/4	599.64	3/4	353.80	3/4	122.36
3		3	3,308.76	3	3,062.57	3	2,815.27	3	2,567.98	3	2,320.68	3	2,073.38	3	1,826.09	3	1,578.79	3	1,331.50	3	1,084.20	3	836.90	3	594.62	3	348.65	3	117.89
1/4		1/4	3,303.66	1/4	3,057.42	1/4	2,810.12	1/4	2,562.82	1/4	2,315.53	1/4	2,068.23	1/4	1,820.94	1/4	1,573.64	1/4	1,326.34	1/4	1,079.05	1/4	831.75	1/4	589.60	1/4	343.50	1/4	113.42
1/2		1/2	3,298.56	1/2	3,052.26	1/2	2,804.97	1/2	2,557.67	1/2	2,310.38	1/2	2,063.08	1/2	1,815.78	1/2	1,568.49	1/2	1,321.19	1/2	1,073.90	1/2	826.60	1/2	584.58	1/2	338.34	1/2	108.95
3/4		3/4	3,293.46	3/4	3,047.11	3/4	2,799.82	3/4	2,552.52	3/4	2,305.22	3/4	2,057.93	3/4	1,810.63	3/4	1,563.34	3/4	1,316.04	3/4	1,068.74	3/4	821.45	3/4	579.56	3/4	333.25	3/4	104.61
4		4	3,288.36	4	3,041.96	4	2,794.66	4	2,547.37	4	2,300.07	4	2,052.78	4	1,805.48	4	1,558.18	4	1,310.89	4	1,063.59	4	816.30	4	574.54	4	328.16	4	100.26
1/4		1/4	3,283.25	1/4	3,036.81	1/4	2,789.51	1/4	2,542.22	1/4	2,294.92	1/4	2,047.62	1/4	1,800.33	1/4	1,553.03	1/4	1,305.74	1/4	1,058.44	1/4	811.14	1/4	569.52	1/4	323.07	1/4	95.92
1/2		1/2	3,278.15	1/2	3,031.66	1/2	2,784.36	1/2	2,537.06	1/2	2,289.77	1/2	2,042.47	1/2	1,795.18	1/2	1,547.88	1/2	1,300.58	1/2	1,053.29	1/2	805.99	1/2	564.50	1/2	317.98	1/2	91.58
3/4		3/4	3,273.05	3/4	3,026.50	3/4	2,779.21	3/4	2,531.91	3/4	2,284.62	3/4	2,037.32	3/4	1,790.02	3/4	1,542.73	3/4	1,295.43	3/4	1,048.14	3/4	800.84	3/4	559.48	3/4	312.89	3/4	87.23
5		5	3,267.95	5	3,021.35	5	2,774.06	5	2,526.76	5	2,279.46	5	2,032.17	5	1,784.87	5	1,537.58	5	1,290.28	5	1,042.98	5	795.69	5	554.46	5	307.80	5	82.89
1/4		1/4	3,262.85	1/4	3,016.20	1/4	2,768.90	1/4	2,521.61	1/4	2,274.31	1/4	2,027.02	1/4	1,779.72	1/4	1,532.42	1/4	1,285.13	1/4	1,037.83	1/4	790.54	1/4	549.44	1/4	302.71	1/4	78.54
1/2		1/2	3,257.74	1/2	3,011.05	1/2	2,763.75	1/2	2,516.46	1/2	2,269.16	1/2	2,021.86	1/2	1,774.57	1/2	1,527.27	1/2	1,279.98	1/2	1,032.68	1/2	785.38	1/2	544.42	1/2	297.62	1/2	74.20
3/4		3/4	3,252.64	3/4	3,005.90	3/4	2,758.60	3/4	2,511.30	3/4	2,264.01	3/4	2,016.71	3/4	1,769.42	3/4	1,522.12	3/4	1,274.82	3/4	1,027.53	3/4	780.36	3/4	539.27	3/4	292.66	3/4	69.98
6		6	3,247.54	6	3,000.74	6	2,753.45	6	2,506.15	6	2,258.86	6	2,011.56	6	1,764.26	6	1,516.97	6	1,269.67	6	1,022.38	6	775.34	6	534.12	6	287.69	6	65.76
1/4		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	3,237.34	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	3,232.23	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
7		7	3,227.13	7	2,980.14	7	2,732.84	7	2,485.54	7	2,238.25	7	1,990.95	7	1,743.66	7	1,496.36	7	1,249.06	7	1,001.77	7	755.26	7	513.51	7	267.83	7	48.88
1/4		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	3,216.93	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	3,211.83	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
8		8	3,206.72	8	2,959.53	8	2,712.23	8	2,464.94	8	2,217.64	8	1,970.34	8	1,723.05	8	1,475.75	8	1,228.46	8	981.16	8	735.18	8	492.90	8	248.21	8	32.25
1/4		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	3,196.52	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	3,191.37	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
9		9	3,186.22	9	2,938.92	9	2,691.62	9	2,444.33	9	2,197.03	9	1,949.74	9	1,702.44	9	1,455.14	9	1,207.85	9	960.55	9	715.10	9	472.30	9	228.84	9	18.41
1/4		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	3,175.91	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	3,170.																										

# 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.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	<b>172.25</b>																														
1/4	<b>167.66</b>	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	<b>163.06</b>	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	<b>158.47</b>	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	
	<b>153.88</b>																														
1/4	<b>149.29</b>	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	<b>144.70</b>	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	<b>140.23</b>	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	
	<b>135.76</b>																														
1/4	<b>131.29</b>	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	<b>126.82</b>	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	<b>122.36</b>	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	
	<b>117.89</b>																														
1/4	<b>113.42</b>	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	<b>108.95</b>	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	<b>104.61</b>	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	
	<b>100.26</b>																														
1/4	<b>95.92</b>	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	<b>91.58</b>	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	<b>87.23</b>	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	
	<b>82.89</b>																														
1/4	<b>78.54</b>	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	<b>74.20</b>	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	<b>69.98</b>	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	
	<b>65.76</b>																														
1/4	<b>61.54</b>	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	<b>57.32</b>	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	<b>53.10</b>	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	
	<b>48.88</b>																														
1/4	<b>44.66</b>	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	<b>40.44</b>	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	<b>36.35</b>	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	
	<b>32.25</b>																														
1/4	<b>28.41</b>	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	<b>24.57</b>	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	<b>21.49</b>	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	
	<b>18.41</b>																														
1/2	<b>15.33</b>	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	<b>12.25</b>	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	
	<b>10</b>																														
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	
	<b>11</b>																														
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-113" MAGNOLIA MARINE

## OUTAGE TABLE

# 2 PORT OR STAR

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

HULL NO. 2157-1

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	
0		0	3,794.03	0	3,519.46	0	3,243.94	0	2,968.42	0	2,692.90	0	2,417.38	0	2,141.86	0	1,866.34	0	1,590.82	0	1,315.30	0	1,039.78	0	764.26	0	488.74	0	213.22
1/4		1/4	3,788.32	1/4	3,513.72	1/4	3,238.20	1/4	2,962.68	1/4	2,687.16	1/4	2,411.64	1/4	2,136.12	1/4	1,860.60	1/4	1,585.08	1/4	1,309.56	1/4	1,034.04	1/4	758.52	1/4	483.00	1/4	207.48
1/2		1/2	3,782.60	1/2	3,507.98	1/2	3,232.46	1/2	2,956.94	1/2	2,681.42	1/2	2,405.90	1/2	2,130.38	1/2	1,854.86	1/2	1,579.34	1/2	1,303.82	1/2	1,028.30	1/2	752.78	1/2	477.26	1/2	201.74
3/4		3/4	3,776.89	3/4	3,502.24	3/4	3,226.72	3/4	2,951.20	3/4	2,675.68	3/4	2,400.16	3/4	2,124.64	3/4	1,849.12	3/4	1,573.60	3/4	1,298.08	3/4	1,022.56	3/4	747.04	3/4	471.52	3/4	196.00
1		1	3,771.18	1	3,496.50	1	3,220.98	1	2,945.46	1	2,669.94	1	2,394.42	1	2,118.90	1	1,843.38	1	1,567.86	1	1,292.34	1	1,016.82	1	741.30	1	465.78	1	190.26
1/4		1/4	3,765.47	1/4	3,490.76	1/4	3,215.24	1/4	2,939.72	1/4	2,664.20	1/4	2,388.68	1/4	2,113.16	1/4	1,837.64	1/4	1,562.12	1/4	1,286.60	1/4	1,011.08	1/4	735.56	1/4	460.04	1/4	184.52
1/2		1/2	3,759.76	1/2	3,485.02	1/2	3,209.50	1/2	2,933.98	1/2	2,658.46	1/2	2,382.94	1/2	2,107.42	1/2	1,831.90	1/2	1,556.38	1/2	1,280.86	1/2	1,005.34	1/2	729.82	1/2	454.30	1/2	178.78
3/4		3/4	3,754.04	3/4	3,479.28	3/4	3,203.76	3/4	2,928.24	3/4	2,652.72	3/4	2,377.20	3/4	2,101.68	3/4	1,826.16	3/4	1,550.64	3/4	1,275.12	3/4	999.60	3/4	724.08	3/4	448.56	3/4	173.04
2		2	3,748.33	2	3,473.54	2	3,198.02	2	2,922.50	2	2,646.98	2	2,371.46	2	2,095.94	2	1,820.42	2	1,544.90	2	1,269.38	2	993.86	2	718.34	2	442.82	2	167.30
1/4	3,940.01	1/4	3,742.62	1/4	3,467.80	1/4	3,192.28	1/4	2,916.76	1/4	2,641.24	1/4	2,365.72	1/4	2,090.20	1/4	1,814.68	1/4	1,539.16	1/4	1,263.64	1/4	988.12	1/4	712.60	1/4	437.08	1/4	161.56
1/2	3,939.70	1/2	3,736.91	1/2	3,462.06	1/2	3,186.54	1/2	2,911.02	1/2	2,635.50	1/2	2,359.98	1/2	2,084.46	1/2	1,808.94	1/2	1,533.42	1/2	1,257.90	1/2	982.38	1/2	706.86	1/2	431.34	1/2	155.82
3/4	3,939.38	3/4	3,731.20	3/4	3,456.32	3/4	3,180.80	3/4	2,905.28	3/4	2,629.76	3/4	2,354.24	3/4	2,078.72	3/4	1,803.20	3/4	1,527.68	3/4	1,252.16	3/4	976.64	3/4	701.12	3/4	425.60	3/4	150.08
3	3,939.06	3	3,725.48	3	3,450.58	3	3,175.06	3	2,899.54	3	2,624.02	3	2,348.50	3	2,072.98	3	1,797.46	3	1,521.94	3	1,246.42	3	970.90	3	695.38	3	419.86	3	144.34
1/4	3,938.00	1/4	3,719.77	1/4	3,444.84	1/4	3,169.32	1/4	2,893.80	1/4	2,618.28	1/4	2,342.76	1/4	2,067.24	1/4	1,791.72	1/4	1,516.20	1/4	1,240.68	1/4	965.16	1/4	689.64	1/4	414.12	1/4	138.60
1/2	3,936.94	1/2	3,714.06	1/2	3,439.10	1/2	3,163.58	1/2	2,888.06	1/2	2,612.54	1/2	2,337.02	1/2	2,061.50	1/2	1,785.98	1/2	1,510.46	1/2	1,234.94	1/2	959.42	1/2	683.90	1/2	408.38	1/2	132.86
3/4	3,935.87	3/4	3,708.35	3/4	3,433.36	3/4	3,157.84	3/4	2,882.32	3/4	2,606.80	3/4	2,331.28	3/4	2,055.76	3/4	1,780.24	3/4	1,504.72	3/4	1,229.20	3/4	953.68	3/4	678.16	3/4	402.64	3/4	127.12
4	3,934.81	4	3,702.64	4	3,427.62	4	3,152.10	4	2,876.58	4	2,601.06	4	2,325.54	4	2,050.02	4	1,774.50	4	1,498.98	4	1,223.46	4	947.94	4	672.42	4	396.90	4	121.38
1/4	3,932.90	1/4	3,696.92	1/4	3,421.88	1/4	3,146.36	1/4	2,870.84	1/4	2,595.32	1/4	2,319.80	1/4	2,044.28	1/4	1,768.76	1/4	1,493.24	1/4	1,217.72	1/4	942.20	1/4	666.68	1/4	391.16	1/4	115.64
1/2	3,930.98	1/2	3,691.21	1/2	3,416.14	1/2	3,140.62	1/2	2,865.10	1/2	2,589.58	1/2	2,314.06	1/2	2,038.54	1/2	1,763.02	1/2	1,487.50	1/2	1,211.98	1/2	936.46	1/2	660.94	1/2	385.42	1/2	109.90
3/4	3,929.06	3/4	3,685.50	3/4	3,410.40	3/4	3,134.88	3/4	2,859.36	3/4	2,583.84	3/4	2,308.32	3/4	2,032.80	3/4	1,757.28	3/4	1,481.76	3/4	1,206.24	3/4	930.72	3/4	655.20	3/4	379.68	3/4	104.16
5	3,927.15	5	3,679.79	5	3,404.66	5	3,129.14	5	2,853.62	5	2,578.10	5	2,302.58	5	2,027.06	5	1,751.54	5	1,476.02	5	1,200.50	5	924.98	5	649.46	5	373.94	5	98.42
1/4	3,924.38	1/4	3,674.08	1/4	3,398.92	1/4	3,123.40	1/4	2,847.88	1/4	2,572.36	1/4	2,296.84	1/4	2,021.32	1/4	1,745.80	1/4	1,470.28	1/4	1,194.76	1/4	919.24	1/4	643.72	1/4	368.20	1/4	92.68
1/2	3,921.61	1/2	3,668.36	1/2	3,393.18	1/2	3,117.66	1/2	2,842.14	1/2	2,566.62	1/2	2,291.10	1/2	2,015.58	1/2	1,740.06	1/2	1,464.54	1/2	1,189.02	1/2	913.50	1/2	637.98	1/2	362.46	1/2	86.94
3/4	3,918.84	3/4	3,662.65	3/4	3,387.44	3/4	3,111.92	3/4	2,836.40	3/4	2,560.88	3/4	2,285.36	3/4	2,009.84	3/4	1,734.32	3/4	1,458.80	3/4	1,183.28	3/4	907.76	3/4	632.24	3/4	356.72	3/4	81.20
6	3,916.08	6	3,656.94	6	3,381.70	6	3,106.18	6	2,830.66	6	2,555.14	6	2,279.62	6	2,004.10	6	1,728.58	6	1,453.06	6	1,177.54	6	902.02	6	626.50	6	350.98	6	75.46
1/4	3,912.46	1/4	3,651.23	1/4	3,375.96	1/4	3,100.44	1/4	2,824.92	1/4	2,549.40	1/4	2,273.88	1/4	1,998.36	1/4	1,722.84	1/4	1,447.32	1/4	1,171.80	1/4	896.28	1/4	620.76	1/4	345.24	1/4	69.72
1/2	3,908.84	1/2	3,645.52	1/2	3,370.22	1/2	3,094.70	1/2	2,819.18	1/2	2,543.66	1/2	2,268.14	1/2	1,992.62	1/2	1,717.10	1/2	1,441.58	1/2	1,166.06	1/2	890.54	1/2	615.02	1/2	339.50	1/2	63.98
3/4	3,905.22	3/4	3,639.80	3/4	3,364.48	3/4	3,088.96	3/4	2,813.44	3/4	2,537.92	3/4	2,262.40	3/4	1,986.88	3/4	1,711.36	3/4	1,435.84	3/4	1,160.32	3/4	884.80	3/4	609.28	3/4	333.76	3/4	58.24
7	3,901.60	7	3,634.09	7	3,358.74	7	3,083.22	7	2,807.70	7	2,532.18	7	2,256.66	7	1,981.14	7	1,705.62	7	1,430.10	7	1,154.58	7	879.06	7	603.54	7	328.02	7	52.50
1/4	3,897.12	1/4	3,628.38	1/4	3,353.00	1/4	3,077.48	1/4	2,801.96	1/4	2,526.44	1/4	2,250.92	1/4	1,975.40	1/4	1,699.88	1/4	1,424.36	1/4	1,148.84	1/4	873.32	1/4	597.80	1/4	322.28	1/4	46.76
1/2	3,892.65	1/2	3,622.67	1/2	3,347.26	1/2	3,071.74	1/2	2,796.22	1/2	2,520.70	1/2	2,245.18	1/2	1,969.66	1/2	1,694.14	1/2	1,418.62	1/2	1,143.10	1/2	867.58	1/2	592.06	1/2	316.54	1/2	41.02
3/4	3,888.18	3/4	3,616.96	3/4	3,341.52	3/4	3,066.00	3/4	2,790.48	3/4	2,514.96	3/4	2,239.44	3/4	1,963.92	3/4	1,688.40	3/4	1,412.88	3/4	1,137.36	3/4	861.84	3/4	586.32	3/4	310.80	3/4	35.68
8	3,883.71	8	3,611.24	8	3,335.78	8	3,060.26	8	2,784.74	8	2,509.22	8	2,233.70	8	1,958.18	8	1,682.66	8	1,407.14	8	1,131.62	8	856.10	8	580.58	8	305.06	8	30.34
1/4	3,878.42	1/4	3,605.53	1/4	3,330.04	1/4	3,054.52	1/4	2,779.00	1/4	2,503.48	1/4	2,227.96	1/4	1,952.44	1/4	1,676.92	1/4	1,401.40	1/4	1,125.88	1/4	850.36	1/4	574.84	1/4	299.32	1/4	26.23
1/2	3,873.14	1/2	3,599.82	1/2	3,324.30	1/2	3,048.78	1/2	2,773.26	1/2	2,497.74	1/2	2,222.22	1/2	1,946.70	1/2	1,671.18	1/2	1,395.66	1/2	1,120.14	1/2	844.62						

# 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.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	<b>213.22</b>																														
1/4	<b>207.48</b>	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	<b>201.74</b>	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	<b>196.00</b>	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	
	<b>190.26</b>																														
1/4	<b>184.52</b>	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	<b>178.78</b>	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	<b>173.04</b>	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	
	<b>167.30</b>																														
1/4	<b>161.56</b>	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	<b>155.82</b>	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	<b>150.08</b>	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	
	<b>144.34</b>																														
1/4	<b>138.60</b>	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	<b>132.86</b>	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	<b>127.12</b>	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	
	<b>121.38</b>																														
1/4	<b>115.64</b>	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	<b>109.90</b>	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	<b>104.16</b>	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	
	<b>98.42</b>																														
1/4	<b>92.68</b>	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	<b>86.94</b>	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	<b>81.20</b>	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	
	<b>75.46</b>																														
1/4	<b>69.72</b>	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	<b>63.98</b>	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	<b>58.24</b>	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	
	<b>52.50</b>																														
1/4	<b>46.76</b>	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	<b>41.02</b>	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	<b>35.68</b>	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	
	<b>30.34</b>																														
9	<b>26.23</b>	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	
9	<b>22.13</b>	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	
9	<b>18.02</b>	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	
	<b>13.92</b>																														
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	
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	
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-113" MAGNOLIA MARINE

## OUTAGE TABLE

# 3 PORT

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

HULL NO. 2157-1

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	
0		0	3,803.20	0	3,528.24	0	3,251.57	0	2,974.90	0	2,698.22	0	2,421.55	0	2,144.88	0	1,868.21	0	1,591.54	0	1,314.86	0	1,038.19	0	761.52	0	484.85	0	208.18
1/4		1/4	3,797.48	1/4	3,522.48	1/4	3,245.80	1/4	2,969.13	1/4	2,692.46	1/4	2,415.79	1/4	2,139.12	1/4	1,862.44	1/4	1,585.77	1/4	1,309.10	1/4	1,032.43	1/4	755.76	1/4	479.08	1/4	202.41
1/2		1/2	3,791.77	1/2	3,516.71	1/2	3,240.04	1/2	2,963.37	1/2	2,686.70	1/2	2,410.02	1/2	2,133.35	1/2	1,856.68	1/2	1,580.01	1/2	1,303.34	1/2	1,026.66	1/2	749.99	1/2	473.32	1/2	196.65
3/4		3/4	3,786.06	3/4	3,510.95	3/4	3,234.28	3/4	2,957.60	3/4	2,680.93	3/4	2,404.26	3/4	2,127.59	3/4	1,850.92	3/4	1,574.24	3/4	1,297.57	3/4	1,020.90	3/4	744.23	3/4	467.56	3/4	190.88
1		1	3,780.35	1	3,505.18	1	3,228.51	1	2,951.84	1	2,675.17	1	2,398.50	1	2,121.82	1	1,845.15	1	1,568.48	1	1,291.81	1	1,015.14	1	738.46	1	461.79	1	185.12
1/4		1/4	3,774.64	1/4	3,499.42	1/4	3,222.75	1/4	2,946.08	1/4	2,669.40	1/4	2,392.73	1/4	2,116.06	1/4	1,839.39	1/4	1,562.72	1/4	1,286.04	1/4	1,009.37	1/4	732.70	1/4	456.03	1/4	179.36
1/2		1/2	3,768.92	1/2	3,493.66	1/2	3,216.98	1/2	2,940.31	1/2	2,663.64	1/2	2,386.97	1/2	2,110.30	1/2	1,833.62	1/2	1,556.95	1/2	1,280.28	1/2	1,003.61	1/2	726.94	1/2	450.26	1/2	173.59
3/4		3/4	3,763.21	3/4	3,487.89	3/4	3,211.22	3/4	2,934.55	3/4	2,657.88	3/4	2,381.20	3/4	2,104.53	3/4	1,827.86	3/4	1,551.19	3/4	1,274.52	3/4	997.84	3/4	721.17	3/4	444.50	3/4	167.83
2		2	3,757.50	2	3,482.13	2	3,205.46	2	2,928.78	2	2,652.11	2	2,375.44	2	2,098.77	2	1,822.10	2	1,545.42	2	1,268.75	2	992.08	2	715.41	2	438.74	2	162.06
1/4		1/4	3,751.79	1/4	3,476.36	1/4	3,199.69	1/4	2,923.02	1/4	2,646.35	1/4	2,369.68	1/4	2,093.00	1/4	1,816.33	1/4	1,539.66	1/4	1,262.99	1/4	986.32	1/4	709.64	1/4	432.97	1/4	156.30
1/2		1/2	3,746.08	1/2	3,470.60	1/2	3,193.93	1/2	2,917.26	1/2	2,640.58	1/2	2,363.91	1/2	2,087.24	1/2	1,810.57	1/2	1,533.90	1/2	1,257.22	1/2	980.55	1/2	703.88	1/2	427.21	1/2	150.54
3/4		3/4	3,740.36	3/4	3,464.84	3/4	3,188.16	3/4	2,911.49	3/4	2,634.82	3/4	2,358.15	3/4	2,081.48	3/4	1,804.80	3/4	1,528.13	3/4	1,251.46	3/4	974.79	3/4	698.12	3/4	421.44	3/4	144.77
3		3	3,734.65	3	3,459.07	3	3,182.40	3	2,905.73	3	2,629.06	3	2,352.38	3	2,075.71	3	1,799.04	3	1,522.37	3	1,245.70	3	969.02	3	692.35	3	415.68	3	139.01
1/4		1/4	3,728.94	1/4	3,453.31	1/4	3,176.64	1/4	2,899.96	1/4	2,623.29	1/4	2,346.62	1/4	2,069.95	1/4	1,793.28	1/4	1,516.60	1/4	1,239.93	1/4	963.26	1/4	686.59	1/4	409.92	1/4	133.24
1/2		1/2	3,723.23	1/2	3,447.54	1/2	3,170.87	1/2	2,894.20	1/2	2,617.53	1/2	2,340.86	1/2	2,064.18	1/2	1,787.51	1/2	1,510.84	1/2	1,234.17	1/2	957.50	1/2	680.82	1/2	404.15	1/2	127.48
3/4		3/4	3,717.52	3/4	3,441.78	3/4	3,165.11	3/4	2,888.44	3/4	2,611.76	3/4	2,335.09	3/4	2,058.42	3/4	1,781.75	3/4	1,505.08	3/4	1,228.40	3/4	951.73	3/4	675.06	3/4	398.39	3/4	121.72
4		4	3,711.80	4	3,436.02	4	3,159.34	4	2,882.67	4	2,606.00	4	2,329.33	4	2,052.66	4	1,775.98	4	1,499.31	4	1,222.64	4	945.97	4	669.30	4	392.62	4	115.95
1/4		1/4	3,706.09	1/4	3,430.25	1/4	3,153.58	1/4	2,876.91	1/4	2,600.24	1/4	2,323.56	1/4	2,046.89	1/4	1,770.22	1/4	1,493.55	1/4	1,216.88	1/4	940.20	1/4	663.53	1/4	386.86	1/4	110.19
1/2		1/2	3,700.38	1/2	3,424.49	1/2	3,147.82	1/2	2,871.14	1/2	2,594.47	1/2	2,317.80	1/2	2,041.13	1/2	1,764.46	1/2	1,487.78	1/2	1,211.11	1/2	934.44	1/2	657.77	1/2	381.10	1/2	104.42
3/4		3/4	3,694.67	3/4	3,418.72	3/4	3,142.05	3/4	2,865.38	3/4	2,588.71	3/4	2,312.04	3/4	2,035.36	3/4	1,758.69	3/4	1,482.02	3/4	1,205.35	3/4	928.68	3/4	652.00	3/4	375.33	3/4	98.66
5		5	3,688.96	5	3,412.96	5	3,136.29	5	2,859.62	5	2,582.94	5	2,306.27	5	2,029.60	5	1,752.93	5	1,476.26	5	1,199.58	5	922.91	5	646.24	5	369.57	5	92.90
1/4		1/4	3,683.24	1/4	3,407.20	1/4	3,130.52	1/4	2,853.85	1/4	2,577.18	1/4	2,300.51	1/4	2,023.84	1/4	1,747.16	1/4	1,470.49	1/4	1,193.82	1/4	917.15	1/4	640.48	1/4	363.80	1/4	87.13
1/2		1/2	3,677.53	1/2	3,401.43	1/2	3,124.76	1/2	2,848.09	1/2	2,571.42	1/2	2,294.74	1/2	2,018.07	1/2	1,741.40	1/2	1,464.73	1/2	1,188.06	1/2	911.38	1/2	634.71	1/2	358.04	1/2	81.37
3/4		3/4	3,671.82	3/4	3,395.67	3/4	3,119.00	3/4	2,842.32	3/4	2,565.65	3/4	2,288.98	3/4	2,012.31	3/4	1,735.64	3/4	1,458.96	3/4	1,182.29	3/4	905.62	3/4	628.95	3/4	352.28	3/4	75.60
6		6	3,666.11	6	3,389.90	6	3,113.23	6	2,836.56	6	2,559.89	6	2,283.22	6	2,006.54	6	1,729.87	6	1,453.20	6	1,176.53	6	899.86	6	623.18	6	346.51	6	69.84
1/4		1/4	3,660.40	1/4	3,384.14	1/4	3,107.47	1/4	2,830.80	1/4	2,554.12	1/4	2,277.45	1/4	2,000.78	1/4	1,724.11	1/4	1,447.44	1/4	1,170.76	1/4	894.09	1/4	617.42	1/4	340.75	1/4	64.08
1/2		1/2	3,654.68	1/2	3,378.38	1/2	3,101.70	1/2	2,825.03	1/2	2,548.36	1/2	2,271.69	1/2	1,995.02	1/2	1,718.34	1/2	1,441.67	1/2	1,165.00	1/2	888.33	1/2	611.66	1/2	334.98	1/2	58.31
3/4		3/4	3,648.97	3/4	3,372.61	3/4	3,095.94	3/4	2,819.27	3/4	2,542.60	3/4	2,265.92	3/4	1,989.25	3/4	1,712.58	3/4	1,435.91	3/4	1,159.24	3/4	882.56	3/4	605.89	3/4	329.22	3/4	52.55
7		7	3,643.26	7	3,366.85	7	3,090.18	7	2,813.50	7	2,536.83	7	2,260.16	7	1,983.49	7	1,706.82	7	1,430.14	7	1,153.47	7	876.80	7	600.13	7	323.46	7	46.78
1/4		1/4	3,637.55	1/4	3,361.08	1/4	3,084.41	1/4	2,807.74	1/4	2,531.07	1/4	2,254.40	1/4	1,977.72	1/4	1,701.05	1/4	1,424.38	1/4	1,147.71	1/4	871.04	1/4	594.36	1/4	317.69	1/4	41.02
1/2		1/2	3,631.84	1/2	3,355.32	1/2	3,078.65	1/2	2,801.98	1/2	2,525.30	1/2	2,248.63	1/2	1,971.96	1/2	1,695.29	1/2	1,418.62	1/2	1,141.94	1/2	865.27	1/2	588.60	1/2	311.93	1/2	35.68
3/4		3/4	3,626.12	3/4	3,349.56	3/4	3,072.88	3/4	2,796.21	3/4	2,519.54	3/4	2,242.87	3/4	1,966.20	3/4	1,689.52	3/4	1,412.85	3/4	1,136.18	3/4	859.51	3/4	582.84	3/4	306.16	3/4	30.34
8		8	3,620.41	8	3,343.79	8	3,067.12	8	2,790.45	8	2,513.78	8	2,237.10	8	1,960.43	8	1,683.76	8	1,407.09	8	1,130.42	8	853.74	8	577.07	8	300.40	8	26.23
1/4		1/4	3,614.70	1/4	3,338.03	1/4	3,061.36	1/4	2,784.68	1/4	2,508.01	1/4	2,231.34	1/4	1,954.67	1/4	1,678.00	1/4	1,401.32	1/4	1,124.65	1/4	847.98	1/4	571.31	1/4	294.64	1/4	22.13
1/2		1/2	3,608.94	1/2	3,332.26	1/2	3,055.59	1/2	2,778.92	1/2	2,502.25	1/2	2,225.58	1/2	1,948.90	1/2	1,672.23	1/2	1,395.56	1/2	1,118.89	1/2	842.22	1/2	565.54	1/2	288.87	1/2	18.02
3/4		3/4	3,603.17	3/4	3,326.50	3/4	3,049.83	3/4	2,773.16	3/4	2,496.48	3/4	2,219.81	3/4	1,943.14	3/4	1,666.47	3/4	1,389.80	3/4	1,113.12	3/4	836.45	3/4	559.78	3/4	283.11	3/4	13.92
9		9	3,597.41	9	3,320.74	9	3,044.06	9	2,767.39	9	2,490.72	9	2,214.05	9	1,937.38	9	1,660.70	9	1,384.03	9	1,107.36	9	830.69	9	554.02	9	277.34	9	11.92
1/4		1/4	3,591.64	1/4	3,314.97	1/4	3,038.30	1/4	2,761.63	1/4	2,484.96	1/4	2,208.28	1/4	1,931.61	1/4	1,654.94	1/4	1,378.27	1/4	1,101.60	1/4	824.92	1/4	548.25	1/4	271.58	1/4	11.92
1/2		1/2	3,585.88	1/2	3,309.21	1/2	3,032.54	1/2	2,755.86	1/2	2,479.19	1/2	2,202.52	1/2	1,925.85	1/2	1,649.18	1/2	1,372.50	1/2	1,095.83	1/2	819.16	1/2	542.49	1/2	265.82	1/2	11.92

# 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.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	<b>222.36</b>																														
1/4	<b>216.62</b>	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	<b>210.88</b>	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	<b>205.14</b>	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	
	<b>199.40</b>																														
1/4	<b>193.66</b>	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	<b>187.92</b>	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	<b>182.18</b>	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	
	<b>176.44</b>																														
1/4	<b>170.70</b>	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	<b>164.96</b>	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	<b>159.22</b>	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	
	<b>153.48</b>																														
1/4	<b>147.74</b>	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	<b>142.00</b>	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	<b>136.26</b>	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	
	<b>130.52</b>																														
1/4	<b>124.78</b>	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	<b>119.04</b>	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	<b>113.30</b>	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	
	<b>107.56</b>																														
1/4	<b>101.82</b>	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	<b>96.08</b>	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	<b>90.34</b>	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	
	<b>84.60</b>																														
1/4	<b>78.86</b>	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	<b>73.12</b>	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	<b>67.38</b>	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	
	<b>61.64</b>																														
1/4	<b>55.90</b>	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	<b>50.56</b>	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	<b>45.22</b>	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	
	<b>41.11</b>																														
3/4	<b>37.01</b>	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	
3/4	<b>32.90</b>	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	<b>28.80</b>	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	
	<b>9</b>																														
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	
	<b>10</b>																														
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	
	<b>11</b>																														
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-113" MAGNOLIA MARINE

## OUTAGE TABLE

# 3 STAR

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

HULL NO. 2157-1

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	
0		0	3,808.91	0	3,534.00	0	3,257.33	0	2,980.66	0	2,703.99	0	2,427.32	0	2,150.64	0	1,873.97	0	1,597.30	0	1,320.63	0	1,043.96	0	767.28	0	490.61	0	213.94
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
1/2		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
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
1		1	3,786.06	1	3,510.95	1	3,234.28	1	2,957.60	1	2,680.93	1	2,404.26	1	2,127.59	1	1,850.92	1	1,574.24	1	1,297.57	1	1,020.90	1	744.23	1	467.56	1	190.88
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
1/2		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
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
2		2	3,763.21	2	3,487.89	2	3,211.22	2	2,934.55	2	2,657.88	2	2,381.20	2	2,104.53	2	1,827.86	2	1,551.19	2	1,274.52	2	997.84	2	721.17	2	444.50	2	167.83
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
1/2	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
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	3,953.94	3	3,740.36	3	3,464.84	3	3,188.16	3	2,911.49	3	2,634.82	3	2,358.15	3	2,081.48	3	1,804.80	3	1,528.13	3	1,251.46	3	974.79	3	698.12	3	421.44	3	144.77
1/4	3,952.88	1/4	3,734.65	1/4	3,459.07	1/4	3,182.40	1/4	2,905.73	1/4	2,629.06	1/4	2,352.38	1/4	2,075.71	1/4	1,799.04	1/4	1,522.37	1/4	1,245.70	1/4	969.02	1/4	692.35	1/4	415.68	1/4	139.01
1/2	3,951.82	1/2	3,728.94	1/2	3,453.31	1/2	3,176.64	1/2	2,899.96	1/2	2,623.29	1/2	2,346.62	1/2	2,069.95	1/2	1,793.28	1/2	1,516.60	1/2	1,239.93	1/2	963.26	1/2	686.59	1/2	409.92	1/2	133.24
3/4	3,950.75	3/4	3,723.23	3/4	3,447.54	3/4	3,170.87	3/4	2,894.20	3/4	2,617.53	3/4	2,340.86	3/4	2,064.18	3/4	1,787.51	3/4	1,510.84	3/4	1,234.17	3/4	957.50	3/4	680.82	3/4	404.15	3/4	127.48
4	3,949.69	4	3,717.52	4	3,441.78	4	3,165.11	4	2,888.44	4	2,611.76	4	2,335.09	4	2,058.42	4	1,781.75	4	1,505.08	4	1,228.40	4	951.73	4	675.06	4	398.39	4	121.72
1/4	3,947.78	1/4	3,711.80	1/4	3,436.02	1/4	3,159.34	1/4	2,882.67	1/4	2,606.00	1/4	2,329.33	1/4	2,052.66	1/4	1,775.98	1/4	1,499.31	1/4	1,222.64	1/4	945.97	1/4	669.30	1/4	392.62	1/4	115.95
1/2	3,945.86	1/2	3,706.09	1/2	3,430.25	1/2	3,153.58	1/2	2,876.91	1/2	2,600.24	1/2	2,323.56	1/2	2,046.89	1/2	1,770.22	1/2	1,493.55	1/2	1,216.88	1/2	940.20	1/2	663.53	1/2	386.66	1/2	110.19
3/4	3,943.94	3/4	3,700.38	3/4	3,424.49	3/4	3,147.82	3/4	2,871.14	3/4	2,594.47	3/4	2,317.80	3/4	2,041.13	3/4	1,764.46	3/4	1,487.78	3/4	1,211.11	3/4	934.44	3/4	657.77	3/4	381.10	3/4	104.42
5	3,942.03	5	3,694.67	5	3,418.72	5	3,142.05	5	2,865.38	5	2,588.71	5	2,312.04	5	2,035.36	5	1,758.69	5	1,482.02	5	1,205.35	5	928.68	5	652.00	5	375.33	5	98.66
1/4	3,939.26	1/4	3,688.96	1/4	3,412.96	1/4	3,136.29	1/4	2,859.62	1/4	2,582.94	1/4	2,306.27	1/4	2,029.60	1/4	1,752.93	1/4	1,476.26	1/4	1,199.58	1/4	922.91	1/4	646.24	1/4	369.57	1/4	92.90
1/2	3,936.49	1/2	3,683.24	1/2	3,407.20	1/2	3,130.52	1/2	2,853.85	1/2	2,577.18	1/2	2,300.51	1/2	2,023.84	1/2	1,747.16	1/2	1,470.49	1/2	1,193.82	1/2	917.15	1/2	640.48	1/2	363.80	1/2	87.13
3/4	3,933.72	3/4	3,677.53	3/4	3,401.43	3/4	3,124.76	3/4	2,848.09	3/4	2,571.42	3/4	2,294.74	3/4	2,018.07	3/4	1,741.40	3/4	1,464.73	3/4	1,188.06	3/4	911.38	3/4	634.71	3/4	358.04	3/4	81.37
6	3,930.96	6	3,671.82	6	3,395.67	6	3,119.00	6	2,842.32	6	2,565.65	6	2,288.98	6	2,012.31	6	1,735.64	6	1,458.96	6	1,182.29	6	905.62	6	628.95	6	352.28	6	75.60
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	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	3,920.10	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
7	3,916.48	7	3,648.97	7	3,372.61	7	3,095.94	7	2,819.27	7	2,542.60	7	2,265.92	7	1,989.25	7	1,712.58	7	1,435.91	7	1,159.24	7	882.56	7	605.89	7	329.22	7	52.55
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	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	317.69	1/2	41.02
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
8	3,898.59	8	3,626.12	8	3,349.56	8	3,072.88	8	2,796.21	8	2,519.54	8	2,242.87	8	1,966.20	8	1,689.52	8	1,412.85	8	1,136.18	8	859.51	8	582.84	8	306.16	8	30.34
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	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	3,882.74	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
9	3,877.45	9	3,603.17	9	3,326.50	9	3,049.83	9	2,773.16	9	2,496.48	9	2,219.81	9	1,943.14	9	1,666.47	9	1,389.80	9	1,113.12	9	836.45	9	559.78	9	283.11	9	* 13.92
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	3,866.03	1/2	3,591.64																										





# BARGE "MM-113" MAGNOLIA MARINE

## OUTAGE TABLE

# 4 PORT

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

HULL NO. 2157-1

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	
0		0	3,331.72	0	3,171.49	0	3,011.27	0	2,851.05	0	2,681.47	0	2,413.62	0	2,188.30	0	1,862.97	0	1,587.64	0	1,312.31	0	1,036.98	0	761.82	0	488.34	0	213.02
1/4		1/4	3,328.38	1/4	3,168.16	1/4	3,007.93	1/4	2,847.71	1/4	2,676.95	1/4	2,407.89	1/4	2,132.56	1/4	1,857.23	1/4	1,581.90	1/4	1,306.58	1/4	1,031.25	1/4	756.13	1/4	482.61	1/4	207.28
1/2		1/2	3,325.04	1/2	3,164.82	1/2	3,004.59	1/2	2,844.37	1/2	2,672.09	1/2	2,402.15	1/2	2,126.82	1/2	1,851.50	1/2	1,576.17	1/2	1,300.84	1/2	1,025.51	1/2	750.44	1/2	476.87	1/2	201.54
3/4		3/4	3,321.70	3/4	3,161.48	3/4	3,001.26	3/4	2,841.03	3/4	2,667.22	3/4	2,396.42	3/4	2,121.09	3/4	1,845.76	3/4	1,570.43	3/4	1,295.10	3/4	1,019.78	3/4	744.74	3/4	471.14	3/4	195.81
1		1	3,318.37	1	3,158.14	1	2,997.92	1	2,837.69	1	2,662.35	1	2,390.68	1	2,115.35	1	1,840.02	1	1,564.70	1	1,289.37	1	1,014.04	1	739.05	1	465.40	1	190.07
1/4		1/4	3,315.03	1/4	3,154.80	1/4	2,994.58	1/4	2,834.36	1/4	2,657.49	1/4	2,384.94	1/4	2,109.62	1/4	1,834.29	1/4	1,558.96	1/4	1,283.63	1/4	1,008.30	1/4	733.35	1/4	459.66	1/4	184.34
1/2		1/2	3,311.69	1/2	3,151.47	1/2	2,991.24	1/2	2,831.02	1/2	2,652.27	1/2	2,379.21	1/2	2,103.88	1/2	1,828.55	1/2	1,553.22	1/2	1,277.90	1/2	1,002.57	1/2	727.66	1/2	453.93	1/2	178.60
3/4		3/4	3,308.35	3/4	3,148.13	3/4	2,987.90	3/4	2,827.68	3/4	2,647.06	3/4	2,373.47	3/4	2,098.14	3/4	1,822.82	3/4	1,547.49	3/4	1,272.16	3/4	996.83	3/4	721.97	3/4	448.19	3/4	172.86
2		2	3,305.01	2	3,144.79	2	2,984.57	2	2,824.34	2	2,641.85	2	2,367.74	2	2,092.41	2	1,817.08	2	1,541.75	2	1,266.42	2	991.10	2	716.27	2	442.46	2	167.13
1/4	3,416.18	1/4	3,301.68	1/4	3,141.45	1/4	2,981.23	1/4	2,821.00	1/4	2,636.63	1/4	2,362.00	1/4	2,086.67	1/4	1,811.34	1/4	1,536.02	1/4	1,260.69	1/4	985.36	1/4	710.58	1/4	436.72	1/4	161.39
1/2	3,416.04	1/2	3,298.34	1/2	3,138.11	1/2	2,977.89	1/2	2,817.67	1/2	2,631.07	1/2	2,356.26	1/2	2,080.94	1/2	1,805.61	1/2	1,530.28	1/2	1,254.95	1/2	979.62	1/2	704.88	1/2	430.98	1/2	155.66
3/4	3,415.90	3/4	3,295.00	3/4	3,134.78	3/4	2,974.55	3/4	2,814.33	3/4	2,625.51	3/4	2,350.53	3/4	2,075.20	3/4	1,799.87	3/4	1,524.54	3/4	1,249.22	3/4	973.89	3/4	699.19	3/4	425.25	3/4	149.92
3	3,415.77	3	3,291.66	3	3,131.44	3	2,971.21	3	2,810.99	3	2,619.95	3	2,344.79	3	2,069.46	3	1,794.14	3	1,518.81	3	1,243.48	3	968.15	3	693.50	3	419.51	3	144.18
1/4	3,415.19	1/4	3,288.32	1/4	3,128.10	1/4	2,967.88	1/4	2,807.65	1/4	2,614.38	1/4	2,339.06	1/4	2,063.73	1/4	1,788.40	1/4	1,513.07	1/4	1,237.74	1/4	962.42	1/4	687.80	1/4	413.78	1/4	138.45
1/2	3,414.61	1/2	3,284.99	1/2	3,124.76	1/2	2,964.54	1/2	2,804.31	1/2	2,608.65	1/2	2,333.32	1/2	2,057.99	1/2	1,782.66	1/2	1,507.34	1/2	1,232.01	1/2	956.68	1/2	682.11	1/2	408.04	1/2	132.71
3/4	3,414.03	3/4	3,281.65	3/4	3,121.42	3/4	2,961.20	3/4	2,800.98	3/4	2,602.91	3/4	2,327.58	3/4	2,052.26	3/4	1,776.93	3/4	1,501.60	3/4	1,226.27	3/4	950.94	3/4	676.41	3/4	402.30	3/4	126.98
4	3,413.45	4	3,278.31	4	3,118.09	4	2,957.86	4	2,797.64	4	2,597.18	4	2,321.85	4	2,046.52	4	1,771.19	4	1,495.86	4	1,220.54	4	945.21	4	670.72	4	396.57	4	121.24
1/4	3,412.37	1/4	3,274.97	1/4	3,114.75	1/4	2,954.52	1/4	2,794.30	1/4	2,594.44	1/4	2,316.11	1/4	2,040.78	1/4	1,765.46	1/4	1,490.13	1/4	1,214.80	1/4	939.47	1/4	665.03	1/4	390.83	1/4	115.50
1/2	3,411.29	1/2	3,271.63	1/2	3,111.41	1/2	2,951.19	1/2	2,790.96	1/2	2,585.70	1/2	2,310.38	1/2	2,035.05	1/2	1,759.72	1/2	1,484.39	1/2	1,209.06	1/2	933.74	1/2	659.33	1/2	385.10	1/2	109.77
3/4	3,410.21	3/4	3,268.30	3/4	3,108.07	3/4	2,947.85	3/4	2,787.62	3/4	2,579.97	3/4	2,304.64	3/4	2,029.31	3/4	1,753.98	3/4	1,478.66	3/4	1,203.33	3/4	928.00	3/4	653.64	3/4	379.36	3/4	104.03
5	3,409.13	5	3,264.96	5	3,104.73	5	2,944.51	5	2,784.29	5	2,574.23	5	2,298.90	5	2,023.58	5	1,748.25	5	1,472.92	5	1,197.59	5	922.26	5	647.94	5	373.62	5	98.30
1/4	3,407.55	1/4	3,261.62	1/4	3,101.40	1/4	2,941.17	1/4	2,780.95	1/4	2,568.50	1/4	2,293.17	1/4	2,017.84	1/4	1,742.51	1/4	1,467.18	1/4	1,191.86	1/4	916.53	1/4	642.25	1/4	367.89	1/4	92.56
1/2	3,405.97	1/2	3,258.28	1/2	3,098.06	1/2	2,937.83	1/2	2,777.61	1/2	2,562.76	1/2	2,287.43	1/2	2,012.10	1/2	1,736.78	1/2	1,461.45	1/2	1,186.12	1/2	910.79	1/2	636.56	1/2	362.15	1/2	86.82
3/4	3,404.39	3/4	3,254.94	3/4	3,094.72	3/4	2,934.50	3/4	2,774.27	3/4	2,557.02	3/4	2,281.70	3/4	2,006.37	3/4	1,731.04	3/4	1,455.71	3/4	1,180.38	3/4	905.06	3/4	630.86	3/4	356.42	3/4	81.09
6	3,402.81	6	3,251.61	6	3,091.38	6	2,931.16	6	2,770.93	6	2,551.29	6	2,275.96	6	2,000.63	6	1,725.30	6	1,449.98	6	1,174.65	6	899.32	6	625.17	6	350.68	6	75.35
1/4	3,400.72	1/4	3,248.27	1/4	3,088.04	1/4	2,927.82	1/4	2,767.60	1/4	2,545.55	1/4	2,270.22	1/4	1,994.90	1/4	1,719.57	1/4	1,444.24	1/4	1,168.91	1/4	893.58	1/4	619.47	1/4	344.94	1/4	69.62
1/2	3,398.64	1/2	3,244.93	1/2	3,084.71	1/2	2,924.48	1/2	2,764.26	1/2	2,539.82	1/2	2,264.49	1/2	1,989.16	1/2	1,713.83	1/2	1,438.50	1/2	1,163.18	1/2	887.85	1/2	613.78	1/2	339.21	1/2	63.88
3/4	3,396.55	3/4	3,241.59	3/4	3,081.37	3/4	2,921.14	3/4	2,760.92	3/4	2,534.08	3/4	2,258.75	3/4	1,983.42	3/4	1,708.10	3/4	1,432.77	3/4	1,157.44	3/4	882.11	3/4	608.09	3/4	333.47	3/4	58.14
7	3,394.47	7	3,238.25	7	3,078.03	7	2,917.81	7	2,757.58	7	2,528.34	7	2,253.02	7	1,977.69	7	1,702.36	7	1,427.03	7	1,151.70	7	876.38	7	602.39	7	327.74	7	52.41
1/4	3,391.88	1/4	3,234.92	1/4	3,074.69	1/4	2,914.47	1/4	2,754.24	1/4	2,522.61	1/4	2,247.28	1/4	1,971.95	1/4	1,696.62	1/4	1,421.30	1/4	1,145.97	1/4	870.64	1/4	596.70	1/4	322.00	1/4	46.67
1/2	3,389.30	1/2	3,231.58	1/2	3,071.35	1/2	2,911.13	1/2	2,750.91	1/2	2,516.87	1/2	2,241.54	1/2	1,966.22	1/2	1,690.89	1/2	1,415.56	1/2	1,140.23	1/2	864.90	1/2	591.00	1/2	316.26	1/2	40.94
3/4	3,386.71	3/4	3,228.24	3/4	3,068.02	3/4	2,907.79	3/4	2,747.57	3/4	2,511.14	3/4	2,235.81	3/4	1,960.48	3/4	1,685.15	3/4	1,409.82	3/4	1,134.50	3/4	859.17	3/4	585.31	3/4	310.53	3/4	35.61
8	3,384.13	8	3,224.90	8	3,064.68	8	2,904.45	8	2,744.23	8	2,505.40	8	2,230.07	8	1,954.74	8	1,679.42	8	1,404.09	8	1,128.76	8	853.43	8	579.62	8	304.79	8	30.28
1/4	3,381.04	1/4	3,221.56	1/4	3,061.34	1/4	2,901.12	1/4	2,740.89	1/4	2,499.66	1/4	2,224.34	1/4	1,949.01	1/4	1,673.68	1/4	1,398.35	1/4	1,123.02	1/4	847.70	1/4	573.92	1/4	299.06	1/4	26.19
1/2	3,377.95	1/2	3,218.23	1/2	3,058.00	1/2	2,897.78	1/2	2,737.55	1/2	2,493.93	1/2	2,218.60	1/2	1,943.27	1/2	1,667.94	1/2	1,392.62	1/2	1,117.29	1/2	841.96	1/2	568.23	1/2	293.32	1/2	22.09
3/4	3,374.86	3/4	3,214.89	3/4	3,054.66	3/4	2,894.44	3/4	2,734.04	3/4	2,488.19	3/4	2,212.86	3/4	1,937.54	3/4	1,662.21	3/4	1,386.88	3/4	1,111.55	3/4	836.22	3/4	562.53	3/4	287.58	3/4	17.99
9	3,371.77	9	3,211.55	9	3,051.33	9	2,891.10	9	2,730.52	9	2,482.46	9	2,207.13	9	1,931.80	9	1,656.47	9	1,381.14	9	1,105.82	9	830.49	9	556.84	9	281.85	9	13.89
1/4	3,368.44	1/4	3,208.21	1/4	3,047.99	1/4	2,887.76	1/4	2,727.00	1/4	2,476.72	1/4	2,201.39	1/4	1,926.06	1/4	1,650.74	1/4	1,375.41	1/4	1,100.08	1/4	824.75	1/4	551.15	1/4	276.11	1/4	11.50
1/2	3,365.10	1/2	3,2																										

# 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.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	<b>213.02</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>
1/4	<b>207.28</b>	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	<b>201.54</b>	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	<b>195.81</b>	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	
	<b>190.07</b>		<b>1</b>		<b>1</b>		<b>1</b>		<b>1</b>		<b>1</b>		<b>1</b>		<b>1</b>		<b>1</b>		<b>1</b>		<b>1</b>		<b>1</b>		<b>1</b>		<b>1</b>		<b>1</b>		<b>1</b>
1/4	<b>184.34</b>	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	<b>178.60</b>	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	<b>172.86</b>	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	
	<b>167.13</b>		<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>
1/4	<b>161.39</b>	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	<b>155.66</b>	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	<b>149.92</b>	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	
	<b>144.18</b>		<b>3</b>		<b>3</b>		<b>3</b>		<b>3</b>		<b>3</b>		<b>3</b>		<b>3</b>		<b>3</b>		<b>3</b>		<b>3</b>		<b>3</b>		<b>3</b>		<b>3</b>		<b>3</b>		<b>3</b>
1/4	<b>138.45</b>	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	<b>132.71</b>	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	<b>126.98</b>	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	
	<b>121.24</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>
1/4	<b>115.50</b>	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	<b>109.77</b>	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	<b>104.03</b>	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	
	<b>98.30</b>		<b>5</b>		<b>5</b>		<b>5</b>		<b>5</b>		<b>5</b>		<b>5</b>		<b>5</b>		<b>5</b>		<b>5</b>		<b>5</b>		<b>5</b>		<b>5</b>		<b>5</b>		<b>5</b>		<b>5</b>
1/4	<b>92.56</b>	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	<b>86.82</b>	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	<b>81.09</b>	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	
	<b>75.35</b>		<b>6</b>		<b>6</b>		<b>6</b>		<b>6</b>		<b>6</b>		<b>6</b>		<b>6</b>		<b>6</b>		<b>6</b>		<b>6</b>		<b>6</b>		<b>6</b>		<b>6</b>		<b>6</b>		<b>6</b>
1/4	<b>69.62</b>	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	<b>63.88</b>	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	<b>58.14</b>	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	
	<b>52.41</b>		<b>7</b>		<b>7</b>		<b>7</b>		<b>7</b>		<b>7</b>		<b>7</b>		<b>7</b>		<b>7</b>		<b>7</b>		<b>7</b>		<b>7</b>		<b>7</b>		<b>7</b>		<b>7</b>		<b>7</b>
1/4	<b>46.67</b>	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	<b>40.94</b>	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	<b>35.61</b>	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	
	<b>30.28</b>		<b>8</b>		<b>8</b>		<b>8</b>		<b>8</b>		<b>8</b>		<b>8</b>		<b>8</b>		<b>8</b>		<b>8</b>		<b>8</b>		<b>8</b>		<b>8</b>		<b>8</b>		<b>8</b>		<b>8</b>
1/4	<b>26.19</b>	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	<b>22.09</b>	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	<b>17.99</b>	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	
	<b>13.89</b>		<b>9</b>		<b>9</b>		<b>9</b>		<b>9</b>		<b>9</b>		<b>9</b>		<b>9</b>		<b>9</b>		<b>9</b>		<b>9</b>		<b>9</b>		<b>9</b>		<b>9</b>		<b>9</b>		<b>9</b>
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	
	<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>
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	
	<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>
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-113" MAGNOLIA MARINE

## OUTAGE TABLE

# 4 STAR

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

HULL NO. 2157-1

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	
0		0	3,335.06	0	3,174.83	0	3,014.61	0	2,854.38	0	2,685.99	0	2,419.36	0	2,144.03	0	1,868.70	0	1,593.38	0	1,318.05	0	1,042.72	0	767.52	0	494.08	0	218.75
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
1/2		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
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
1		1	3,321.70	1	3,161.48	1	3,001.26	1	2,841.03	1	2,667.22	1	2,396.42	1	2,121.09	1	1,845.76	1	1,570.43	1	1,295.10	1	1,019.78	1	744.74	1	471.14	1	195.81
1/4		1/4	3,318.37	1/4	3,158.14	1/4	2,997.92	1/4	2,837.69	1/4	2,662.35	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
1/2		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
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
2		2	3,308.35	2	3,148.13	2	2,987.90	2	2,827.68	2	2,647.06	2	2,373.47	2	2,098.14	2	1,822.82	2	1,547.49	2	1,272.16	2	996.83	2	721.97	2	448.19	2	172.86
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
1/2	3,416.18	1/2	3,301.68	1/2	3,141.45	1/2	2,981.23	1/2	2,821.00	1/2	2,636.63	1/2	2,362.00	1/2	2,086.67	1/2	1,811.34	1/2	1,536.02	1/2	1,260.69	1/2	985.36	1/2	710.58	1/2	436.72	1/2	161.39
3/4	3,416.04	3/4	3,298.34	3/4	3,138.11	3/4	2,977.89	3/4	2,817.67	3/4	2,631.07	3/4	2,356.26	3/4	2,080.94	3/4	1,805.61	3/4	1,530.28	3/4	1,254.95	3/4	979.62	3/4	704.88	3/4	430.98	3/4	155.66
3	3,415.90	3	3,295.00	3	3,134.78	3	2,974.55	3	2,814.33	3	2,625.51	3	2,350.53	3	2,075.20	3	1,799.87	3	1,524.54	3	1,249.22	3	973.89	3	699.19	3	425.25	3	149.92
1/4	3,415.77	1/4	3,291.66	1/4	3,131.44	1/4	2,971.21	1/4	2,810.99	1/4	2,619.95	1/4	2,344.79	1/4	2,069.46	1/4	1,794.14	1/4	1,518.81	1/4	1,243.48	1/4	968.15	1/4	693.50	1/4	419.51	1/4	144.18
1/2	3,415.19	1/2	3,288.32	1/2	3,128.10	1/2	2,967.88	1/2	2,807.65	1/2	2,614.38	1/2	2,339.06	1/2	2,063.73	1/2	1,788.40	1/2	1,513.07	1/2	1,237.74	1/2	962.42	1/2	687.80	1/2	413.78	1/2	138.45
3/4	3,414.61	3/4	3,284.99	3/4	3,124.76	3/4	2,964.54	3/4	2,804.31	3/4	2,608.65	3/4	2,333.32	3/4	2,057.99	3/4	1,782.66	3/4	1,507.34	3/4	1,232.01	3/4	956.68	3/4	682.11	3/4	408.04	3/4	132.71
4	3,414.03	4	3,281.65	4	3,121.42	4	2,961.20	4	2,800.98	4	2,602.91	4	2,327.58	4	2,052.26	4	1,776.93	4	1,501.60	4	1,226.27	4	950.94	4	676.41	4	402.30	4	126.98
1/4	3,413.45	1/4	3,278.31	1/4	3,118.09	1/4	2,957.86	1/4	2,797.64	1/4	2,597.18	1/4	2,321.85	1/4	2,046.52	1/4	1,771.19	1/4	1,495.86	1/4	1,220.54	1/4	945.21	1/4	670.72	1/4	396.57	1/4	121.24
1/2	3,412.37	1/2	3,274.97	1/2	3,114.75	1/2	2,954.52	1/2	2,794.30	1/2	2,591.44	1/2	2,316.11	1/2	2,040.78	1/2	1,765.46	1/2	1,490.13	1/2	1,214.80	1/2	939.47	1/2	665.03	1/2	390.83	1/2	115.50
3/4	3,411.29	3/4	3,271.63	3/4	3,111.41	3/4	2,951.19	3/4	2,790.96	3/4	2,585.70	3/4	2,310.38	3/4	2,035.05	3/4	1,759.72	3/4	1,484.39	3/4	1,209.06	3/4	933.74	3/4	659.33	3/4	385.10	3/4	109.77
5	3,410.21	5	3,268.30	5	3,108.07	5	2,947.85	5	2,787.62	5	2,579.97	5	2,304.64	5	2,029.31	5	1,753.98	5	1,478.66	5	1,203.33	5	928.00	5	653.64	5	379.36	5	104.03
1/4	3,409.13	1/4	3,264.96	1/4	3,104.73	1/4	2,944.51	1/4	2,784.29	1/4	2,574.23	1/4	2,298.90	1/4	2,023.58	1/4	1,748.25	1/4	1,472.92	1/4	1,197.59	1/4	922.26	1/4	647.94	1/4	373.62	1/4	98.30
1/2	3,407.55	1/2	3,261.62	1/2	3,101.40	1/2	2,941.17	1/2	2,780.95	1/2	2,568.50	1/2	2,293.17	1/2	2,017.84	1/2	1,742.51	1/2	1,467.18	1/2	1,191.86	1/2	916.53	1/2	642.25	1/2	367.89	1/2	92.56
3/4	3,405.97	3/4	3,258.28	3/4	3,098.06	3/4	2,937.83	3/4	2,777.61	3/4	2,562.76	3/4	2,287.43	3/4	2,012.10	3/4	1,736.78	3/4	1,461.45	3/4	1,186.12	3/4	910.79	3/4	636.56	3/4	362.15	3/4	86.82
6	3,404.39	6	3,254.94	6	3,094.72	6	2,934.50	6	2,774.27	6	2,557.02	6	2,281.70	6	2,006.37	6	1,731.04	6	1,455.71	6	1,180.38	6	905.06	6	630.86	6	356.42	6	81.09
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	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	3,398.64	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
7	3,396.55	7	3,241.59	7	3,081.37	7	2,921.14	7	2,760.92	7	2,534.08	7	2,258.75	7	1,983.42	7	1,708.10	7	1,432.77	7	1,157.44	7	882.11	7	608.09	7	333.47	7	58.14
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	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	3,389.30	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
8	3,386.71	8	3,228.24	8	3,068.02	8	2,907.79	8	2,747.57	8	2,511.14	8	2,235.81	8	1,960.48	8	1,685.15	8	1,409.82	8	1,134.50	8	859.17	8	585.31	8	310.53	8	35.61
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	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	3,377.95	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
9	3,374.86	9	3,214.89	9	3,054.66	9	2,894.44	9	2,734.04	9	2,488.19	9	2,212.86	9	1,937.54	9	1,662.21	9	1,386.88	9	1,111.55	9	836.22	9	562.53	9	287.58	9	17.99
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	3,368.44	1/2	3,208.21																										

# 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.		
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	
	<b>218.75</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>	
1/4	<b>213.02</b>	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	<b>207.28</b>	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	<b>201.54</b>	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
	<b>195.81</b>		<b>1</b>		<b>1</b>		<b>1</b>		<b>1</b>		<b>1</b>		<b>1</b>		<b>1</b>		<b>1</b>		<b>1</b>		<b>1</b>		<b>1</b>		<b>1</b>		<b>1</b>		<b>1</b>	
1/4	<b>190.07</b>	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	<b>184.34</b>	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	<b>178.60</b>	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
	<b>172.86</b>		<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>	
1/4	<b>167.13</b>	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	<b>161.39</b>	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	<b>155.66</b>	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
	<b>149.92</b>		<b>3</b>		<b>3</b>		<b>3</b>		<b>3</b>		<b>3</b>		<b>3</b>		<b>3</b>		<b>3</b>		<b>3</b>		<b>3</b>		<b>3</b>		<b>3</b>		<b>3</b>		<b>3</b>	
1/4	<b>144.18</b>	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	<b>138.45</b>	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	<b>132.71</b>	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
	<b>126.98</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>	
1/4	<b>121.24</b>	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	<b>115.50</b>	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	<b>109.77</b>	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
	<b>104.03</b>		<b>5</b>		<b>5</b>		<b>5</b>		<b>5</b>		<b>5</b>		<b>5</b>		<b>5</b>		<b>5</b>		<b>5</b>		<b>5</b>		<b>5</b>		<b>5</b>		<b>5</b>		<b>5</b>	
1/4	<b>98.30</b>	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	<b>92.56</b>	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	<b>86.82</b>	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
	<b>81.09</b>		<b>6</b>		<b>6</b>		<b>6</b>		<b>6</b>		<b>6</b>		<b>6</b>		<b>6</b>		<b>6</b>		<b>6</b>		<b>6</b>		<b>6</b>		<b>6</b>		<b>6</b>		<b>6</b>	
1/4	<b>75.35</b>	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	<b>69.62</b>	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	<b>63.88</b>	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
	<b>58.14</b>		<b>7</b>		<b>7</b>		<b>7</b>		<b>7</b>		<b>7</b>		<b>7</b>		<b>7</b>		<b>7</b>		<b>7</b>		<b>7</b>		<b>7</b>		<b>7</b>		<b>7</b>		<b>7</b>	
1/4	<b>52.41</b>	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	<b>46.67</b>	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	<b>40.94</b>	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
	<b>35.61</b>		<b>8</b>		<b>8</b>		<b>8</b>		<b>8</b>		<b>8</b>		<b>8</b>		<b>8</b>		<b>8</b>		<b>8</b>		<b>8</b>		<b>8</b>		<b>8</b>		<b>8</b>		<b>8</b>	
1/4	<b>30.28</b>	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	<b>26.19</b>	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
1/4	<b>22.09</b>	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
1/4	<b>17.99</b>		<b>9</b>		<b>9</b>		<b>9</b>		<b>9</b>		<b>9</b>		<b>9</b>		<b>9</b>		<b>9</b>		<b>9</b>		<b>9</b>		<b>9</b>		<b>9</b>		<b>9</b>		<b>9</b>	
1/4	<b>13.89</b>	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
			<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>	
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
			<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>	
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