

MAGNOLIA MARINE - BARGE "MM 51B"

OUTAGE TABLE

1 PORT or STAR

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL 4332

0 FEET	1 FEET	2 FEET	3 FEET	4 FEET	5 FEET	6 FEET	7 FEET	8 FEET	9 FEET	10 FEET	11 FEET	12 FEET	FEET
IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.
0	0 3373.33	0 3115.41	0 2826.64	0 2537.78	0 2248.91	0 1960.05	0 1671.18	0 1382.56	0 1093.94	0 805.07	0 516.21	0 227.34	0
1/4	1/4 3370.70	1/4 3109.40	1/4 2820.62	1/4 2531.76	1/4 2242.89	1/4 1954.03	1/4 1665.17	1/4 1376.55	1/4 1087.92	1/4 799.05	1/4 510.19	1/4 221.33	1/4
1/2	1/2 3368.07	1/2 3103.38	1/2 2814.60	1/2 2525.74	1/2 2236.88	1/2 1948.01	1/2 1659.15	1/2 1370.54	1/2 1081.90	1/2 793.04	1/2 504.17	1/2 215.31	1/2
3/4	3/4 3364.69	3/4 3097.37	3/4 2808.59	3/4 2519.72	3/4 2230.86	3/4 1941.99	3/4 1653.13	3/4 1364.54	3/4 1075.88	3/4 787.02	3/4 498.15	3/4 209.29	3/4
1	1 3361.30	1 3091.35	1 2802.57	1 2513.70	1 2224.84	1 1935.98	1 1647.11	1 1358.53	1 1069.86	1 781.00	1 492.14	1 203.27	1
1/4	1/4 3357.92	1/4 3085.33	1/4 2796.55	1/4 2507.69	1/4 2218.82	1/4 1929.96	1/4 1641.09	1/4 1352.52	1/4 1063.85	1/4 774.98	1/4 486.12	1/4 197.32	1/4
1/2	1/2 3354.54	1/2 3079.32	1/2 2790.53	1/2 2501.67	1/2 2210.80	1/2 1923.94	1/2 1635.08	1/2 1346.51	1/2 1057.83	1/2 768.96	1/2 480.10	1/2 191.36	1/2
3/4	3/4 3350.40	3/4 3073.30	3/4 2784.51	3/4 2495.65	3/4 2206.79	3/4 1917.92	3/4 1629.06	3/4 1340.50	3/4 1051.81	3/4 762.95	3/4 474.08	3/4 185.41	3/4
2	2 3346.27	2 3067.29	2 2778.50	2 2489.63	2 2200.77	2 1911.90	2 1623.04	2 1334.50	2 1045.79	2 756.93	2 468.06	2 179.45	2
1/4	1/4 3342.13	1/4 3061.27	1/4 2772.48	1/4 2483.61	1/4 2194.75	1/4 1905.89	1/4 1617.02	1/4 1328.49	1/4 1039.77	1/4 750.91	1/4 462.05	1/4 173.50	1/4
1/2	1/2 3338.00	1/2 3055.25	1/2 2766.46	1/2 2477.60	1/2 2188.73	1/2 1899.87	1/2 1611.00	1/2 1322.48	1/2 1033.76	1/2 744.89	1/2 456.03	1/2 167.54	1/2
3/4	3/4 3333.11	3/4 3049.24	3/4 2760.44	3/4 2471.58	3/4 2182.71	3/4 1893.85	3/4 1604.99	3/4 1316.47	3/4 1027.74	3/4 738.87	3/4 450.01	3/4 161.59	3/4
3	3 3328.23	3 3043.22	3 2754.42	3 2465.56	3 2176.70	3 1887.83	3 1598.97	3 1310.46	3 1021.72	3 732.86	3 443.99	3 155.63	3
1/4	1/4 3323.34	1/4 3037.21	1/4 2748.41	1/4 2459.54	1/4 2170.68	1/4 1881.81	1/4 1592.95	1/4 1304.46	1/4 1015.70	1/4 726.84	1/4 437.97	1/4 149.68	1/4
1/2	1/2 3318.45	1/2 3031.19	1/2 2742.39	1/2 2453.52	1/2 2164.66	1/2 1875.80	1/2 1586.93	1/2 1298.45	1/2 1009.68	1/2 720.82	1/2 431.96	1/2 143.72	1/2
3/4	3/4 3312.81	3/4 3025.17	3/4 2736.37	3/4 2447.51	3/4 2158.64	3/4 1869.78	3/4 1580.91	3/4 1292.44	3/4 1003.67	3/4 714.80	3/4 425.94	3/4 137.77	3/4
4	4 3307.17	4 3019.16	4 2730.35	4 2441.49	4 2152.62	4 1863.76	4 1574.90	4 1286.43	4 997.65	4 708.78	4 419.92	4 131.81	4
1/4	1/4 3301.53	1/4 3013.14	1/4 2724.33	1/4 2435.47	1/4 2146.61	1/4 1857.74	1/4 1568.88	1/4 1280.42	1/4 991.63	1/4 702.77	1/4 413.90	1/4 125.86	1/4
1/2	1/2 3295.89	1/2 3007.13	1/2 2718.32	1/2 2429.47	1/2 2140.59	1/2 1851.72	1/2 1562.86	1/2 1274.42	1/2 985.61	1/2 696.75	1/2 407.88	1/2 119.90	1/2
3/4	3/4 3289.88	3/4 3001.11	3/4 2712.30	3/4 2423.43	3/4 2134.57	3/4 1845.71	3/4 1556.84	3/4 1268.41	3/4 979.59	3/4 690.73	3/4 401.87	3/4 113.95	3/4
5	5 3283.86	5 2995.09	5 2706.28	5 2417.42	5 2128.55	5 1839.69	5 1550.82	5 1262.40	5 973.58	5 684.71	5 395.85	5 107.99	5
1/4	1/4 3277.85	1/4 2989.08	1/4 2700.26	1/4 2411.40	1/4 2122.53	1/4 1833.67	1/4 1544.81	1/4 1256.69	1/4 967.56	1/4 678.69	1/4 389.83	1/4 102.04	1/4
1/2	1/2 3271.83	1/2 2983.06	1/2 2694.24	1/2 2405.38	1/2 2116.52	1/2 1827.65	1/2 1538.79	1/2 1250.38	1/2 961.54	1/2 672.68	1/2 383.81	1/2 96.08	1/2
3/4	3/4 3265.81	3/4 2977.05	3/4 2688.23	3/4 2399.36	3/4 2110.50	3/4 1821.63	3/4 1532.77	3/4 1244.38	3/4 955.52	3/4 666.66	3/4 377.79	3/4 90.13	3/4
6	6 3259.80	6 2971.03	6 2682.21	6 2393.34	6 2104.48	6 1815.62	6 1526.75	6 1238.37	6 949.50	6 660.64	6 371.78	6 84.17	6
1/4	1/4 3253.78	1/4 2965.01	1/4 2676.19	1/4 2387.33	1/4 2098.46	1/4 1809.60	1/4 1520.74	1/4 1232.35	1/4 943.49	1/4 654.62	1/4 365.76	1/4 78.22	1/4
1/2	1/2 3247.77	1/2 2959.00	1/2 2670.17	1/2 2381.31	1/2 2092.44	1/2 1803.58	1/2 1514.74	1/2 1226.33	1/2 937.47	1/2 648.60	1/2 359.74	1/2 72.26	1/2
3/4	3/4 3241.75	3/4 2952.98	3/4 2664.15	3/4 2375.29	3/4 2086.43	3/4 1797.56	3/4 1508.73	3/4 1220.31	3/4 931.45	3/4 642.59	3/4 353.72	3/4 66.31	3/4
7	7 3235.73	7 2946.97	7 2658.14	7 2369.27	7 2080.41	7 1791.54	7 1502.72	7 1214.30	7 925.43	7 636.57	7 347.70	7 60.35	7
1/4	1/4 3229.72	1/4 2940.95	1/4 2652.12	1/4 2363.25	1/4 2074.39	1/4 1785.53	1/4 1496.71	1/4 1208.28	1/4 919.41	1/4 630.55	1/4 341.69	1/4 55.00	1/4
1/2	1/2 3223.70	1/2 2934.93	1/2 2646.10	1/2 2357.24	1/2 2068.37	1/2 1779.51	1/2 1490.70	1/2 1202.26	1/2 913.40	1/2 624.53	1/2 335.67	1/2 49.65	1/2
3/4	3/4 3217.69	3/4 2928.92	3/4 2640.08	3/4 2351.22	3/4 2062.35	3/4 1773.49	3/4 1484.70	3/4 1196.24	3/4 907.38	3/4 618.51	3/4 329.65	3/4 44.30	3/4
8	8 3211.67	8 2922.90	8 2634.06	8 2345.20	8 2056.34	8 1767.47	8 1478.69	8 1190.22	8 901.36	8 612.50	8 323.63	8 38.94	8
1/4	1/4 3205.65	1/4 2916.89	1/4 2628.05	1/4 2339.18	1/4 2050.32	1/4 1761.45	1/4 1472.68	1/4 1184.21	1/4 895.34	1/4 606.48	1/4 317.61	1/4 34.73	1/4
1/2	3392.11 1/2 3199.64	1/2 2910.87	1/2 2622.03	1/2 2333.16	1/2 2044.30	1/2 1755.44	1/2 1466.67	1/2 1178.19	1/2 889.32	1/2 600.46	1/2 311.60	1/2 30.52	1/2
3/4	3391.73 3/4 3193.62	3/4 2904.85	3/4 2616.01	3/4 2327.15	3/4 2038.28	3/4 1749.42	3/4 1460.66	3/4 1172.17	3/4 883.31	3/4 594.44	3/4 305.58	3/4 26.31	3/4
9	9 3391.36	9 3187.61	9 2898.84	9 2609.99	9 2321.13	9 2032.26	9 1743.40	9 1454.66	9 1166.15	9 877.29	9 588.42	9 299.56	9 22.10
1/4	3390.98 1/4 3181.59	1/4 2892.82	1/4 2603.97	1/4 2315.11	1/4 2026.25	1/4 1737.38	1/4 1448.65	1/4 1160.13	1/4 871.27	1/4 582.41	1/4 293.54	1/4 19.09	1/4
1/2	3390.61 1/2 3175.57	1/2 2886.81	1/2 2597.96	1/2 2309.09	1/2 2020.23	1/2 1731.36	1/2 1442.64	1/2 1154.12	1/2 865.25	1/2 576.39	1/2 287.52	1/2 16.08	1/2
3/4	3389.48 3/4 3169.56	3/4 2880.79	3/4 2591.94	3/4 2303.07	3/4 2014.21	3/4 1725.35	3/4 1436.63	3/4 1148.10	3/4 859.23	3/4 570.37	3/4 281.51	3/4 *13.07	3/4
10	10 3388.36	10 3163.54	10 2874.77	10 2585.92	10 2297.06	10 2008.19	10 1719.33	10 1430.62	10 1142.08	10 853.22	10 564.35	10 275.49	10
1/4	3387.23 1/4 3157.53	1/4 2868.76	1/4 2579.90	1/4 2291.04	1/4 2002.17	1/4 1713.31	1/4 1424.62	1/4 1136.06	1/4 847.20	1/4 558.33	1/4 269.47	1/4	1/4
1/2	3386.11 1/2 3151.51	1/2 2862.74	1/2 2573.88	1/2 2285.02	1/2 1996.16	1/2 1707.29	1/2 1418.61	1/2 1130.04	1/2 841.18	1/2 552.32	1/2 263.45	1/2	1/2
3/4	3384.23 3/4 3145.49	3/4 2856.72	3/4 2567.87	3/4 2279.00	3/4 1990.14	3/4 1701.27	3/4 1412.60	3/4 1124.03	3/4 835.16	3/4 546.30	3/4 257.43	3/4	3/4
11	11 3382.35	11 3139.48	11 2850.71	11 2561.85	11 2272.98	11 1984.12	11 1695.26	11 1406.59	11 1118.01	11 829.14	11 540.28	11 251.42	11
1/4	3380.47 1/4 3133.46	1/4 2844.69	1/4 2555.83	1/4 2266.97	1/4 1978.10	1/4 1689.24	1/4 1400.58	1/4 1111.99	1/4 823.13	1/4 534.26	1/4 245.40	1/4	1/4
1/2	3378.59 1/2 3127.45	1/2 2838.68	1/2 2549.81	1/2 2260.95	1/2 1972.08	1/2 1683.22	1/2 1394.58	1/2 1105.97	1/2 817.11	1/2 528.24	1/2 239.38	1/2	1/2
3/4	3375.96 3/4 3121.43	3/4 2832.66	3/4 2543.79	3/4 2254.93	3/4 1966.07	3/4 1677.20	3/4 1388.57	3/4 1099.95	3/4 811.09	3/4 522.23	3/4 233.36	3/4	3/4

CAPACITY IN: 42-GALLON BARRELS

GAUGE HEIGHT: 12'-9 3/4" (RIM OF HATCH OPPOSITE HINGE LOCATED NEAR CENTER OF TANK)

*CAPACITY BELOW STRIKE POINT

STRAPPED 4/12/99

MAGNOLIA MARINE - BARGE "MM 51B"

OUTAGE TABLE

BARGE SHOULD BE ON EVEN LENGTH KEEL WHEN GAUGES ARE TAKEN

2 PORT or STAR

HULL 4332

0 FEET	1 FEET	2 FEET	3 FEET	4 FEET	5 FEET	6 FEET	7 FEET	8 FEET	9 FEET	10 FEET	11 FEET	12 FEET	FEET
IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.
0	0 3695.51	0 3409.03	0 3092.42	0 2775.72	0 2459.01	0 2142.31	0 1825.60	0 1509.17	0 1192.72	0 876.02	0 559.32	0 242.61	0
1/4	1/4 3692.63	1/4 3402.44	1/4 3085.82	1/4 2769.12	1/4 2452.41	1/4 2135.71	1/4 1819.01	1/4 1502.59	1/4 1186.13	1/4 869.42	1/4 552.72	1/4 236.01	1/4
1/2	1/2 3688.92	1/2 3395.84	1/2 3079.22	1/2 2762.52	1/2 2445.82	1/2 2129.11	1/2 1812.41	1/2 1496.00	1/2 1179.53	1/2 862.82	1/2 546.12	1/2 229.42	1/2
3/4	3/4 3685.21	3/4 3389.25	3/4 3072.63	3/4 2755.92	3/4 2439.22	3/4 2122.51	3/4 1805.81	3/4 1489.41	3/4 1172.93	3/4 856.23	3/4 539.52	3/4 222.82	3/4
1	1 3681.51	1 3382.65	1 3066.03	1 2749.32	1 2432.62	1 2115.92	1 1799.21	1 1482.83	1 1166.33	1 849.63	1 532.92	1 216.29	1
1/4	1/4 3677.80	1/4 3376.05	1/4 3059.43	1/4 2742.73	1/4 2426.02	1/4 2109.32	1/4 1792.61	1/4 1476.24	1/4 1159.73	1/4 843.03	1/4 526.33	1/4 209.76	1/4
1/2	1/2 3673.26	1/2 3369.46	1/2 3052.83	1/2 2736.13	1/2 2419.42	1/2 2102.72	1/2 1786.02	1/2 1469.65	1/2 1153.14	1/2 836.43	1/2 519.73	1/2 203.23	1/2
3/4	3/4 3668.73	3/4 3362.86	3/4 3046.23	3/4 2729.53	3/4 2412.83	3/4 2096.12	3/4 1779.42	3/4 1463.07	3/4 1146.54	3/4 829.83	3/4 513.13	3/4 196.70	3/4
2	2 3664.20	2 3356.27	2 3039.64	2 2722.93	2 2406.23	2 2089.52	2 1772.82	2 1456.48	2 1139.94	2 823.24	2 506.53	2 190.17	2
1/4	1/4 3659.66	1/4 3349.67	1/4 3033.04	1/4 2716.33	1/4 2399.63	1/4 2082.93	1/4 1766.22	1/4 1449.89	1/4 1133.34	1/4 816.64	1/4 499.93	1/4 183.64	1/4
1/2	1/2 3654.31	1/2 3343.07	1/2 3026.44	1/2 2709.74	1/2 2393.03	1/2 2076.33	1/2 1759.62	1/2 1443.30	1/2 1126.74	1/2 810.04	1/2 493.34	1/2 177.11	1/2
3/4	3/4 3648.95	3/4 3336.48	3/4 3019.84	3/4 2703.14	3/4 2386.43	3/4 2069.73	3/4 1753.03	3/4 1436.72	3/4 1120.15	3/4 803.44	3/4 486.74	3/4 170.59	3/4
3	3 3643.59	3 3329.88	3 3013.24	3 2696.54	3 2379.84	3 2063.13	3 1746.43	3 1430.13	3 1113.55	3 796.84	3 480.14	3 164.06	3
1/4	1/4 3638.24	1/4 3323.29	1/4 3006.65	1/4 2689.94	1/4 2373.24	1/4 2056.53	1/4 1739.83	1/4 1423.54	1/4 1106.95	1/4 790.25	1/4 473.54	1/4 157.53	1/4
1/2	1/2 3632.06	1/2 3316.69	1/2 3000.05	1/2 2683.34	1/2 2366.64	1/2 2049.94	1/2 1733.23	1/2 1416.96	1/2 1100.35	1/2 783.65	1/2 466.94	1/2 151.00	1/2
3/4	3/4 3625.87	3/4 3310.09	3/4 2993.45	3/4 2676.75	3/4 2360.04	3/4 2043.34	3/4 1726.63	3/4 1410.37	3/4 1093.75	3/4 777.05	3/4 460.35	3/4 144.47	3/4
4	4 3619.69	4 3303.50	4 2986.85	4 2670.15	4 2353.44	4 2036.74	4 1720.04	4 1403.78	4 1087.16	4 770.45	4 453.75	4 137.94	4
1/4	1/4 3613.51	1/4 3296.90	1/4 2980.25	1/4 2663.55	1/4 2346.85	1/4 2030.14	1/4 1713.44	1/4 1397.20	1/4 1080.56	1/4 763.85	1/4 447.15	1/4 131.41	1/4
1/2	1/2 3606.91	1/2 3290.31	1/2 2973.66	1/2 2656.95	1/2 2340.25	1/2 2023.54	1/2 1706.84	1/2 1390.61	1/2 1073.96	1/2 757.26	1/2 440.55	1/2 124.88	1/2
3/4	3/4 3600.32	3/4 3283.71	3/4 2967.06	3/4 2650.35	3/4 2333.65	3/4 2016.95	3/4 1700.24	3/4 1384.02	3/4 1067.36	3/4 750.66	3/4 433.95	3/4 118.35	3/4
5	5 3593.72	5 3277.11	5 2960.46	5 2643.76	5 2327.05	5 2010.35	5 1693.64	5 1377.43	5 1060.76	5 744.06	5 427.36	5 111.82	5
1/4	1/4 3587.13	1/4 3270.52	1/4 2953.86	1/4 2637.16	1/4 2320.45	1/4 2003.75	1/4 1687.05	1/4 1370.85	1/4 1054.17	1/4 737.46	1/4 420.76	1/4 105.3	1/4
1/2	1/2 3580.53	1/2 3263.92	1/2 2947.26	1/2 2630.56	1/2 2313.86	1/2 1997.15	1/2 1680.45	1/2 1364.26	1/2 1047.57	1/2 730.86	1/2 414.16	1/2 98.77	1/2
3/4	3/4 3573.93	3/4 3257.33	3/4 2940.67	3/4 2623.96	3/4 2307.26	3/4 1990.55	3/4 1673.85	3/4 1357.67	3/4 1040.97	3/4 724.27	3/4 407.56	3/4 92.24	3/4
6	6 3567.34	6 3250.73	6 2934.07	6 2617.36	6 2300.66	6 1983.96	6 1667.26	6 1351.08	6 1034.37	6 717.67	6 400.96	6 85.71	6
1/4	1/4 3560.74	1/4 3244.13	1/4 2927.47	1/4 2610.77	1/4 2294.06	1/4 1977.36	1/4 1660.68	1/4 1344.48	1/4 1027.77	1/4 711.07	1/4 394.37	1/4 79.18	1/4
1/2	1/2 3554.15	1/2 3237.54	1/2 2920.87	1/2 2604.17	1/2 2287.46	1/2 1970.76	1/2 1654.09	1/2 1337.88	1/2 1021.18	1/2 704.47	1/2 387.77	1/2 72.65	1/2
3/4	3/4 3547.55	3/4 3230.94	3/4 2914.27	3/4 2597.57	3/4 2280.87	3/4 1964.16	3/4 1647.50	3/4 1331.28	3/4 1014.58	3/4 697.87	3/4 381.17	3/4 66.12	3/4
7	7 3540.95	7 3224.35	7 2907.68	7 2590.97	7 2274.27	7 1957.56	7 1640.91	7 1324.68	7 1007.98	7 691.28	7 374.57	7 60.25	7
1/4	1/4 3534.36	1/4 3217.75	1/4 2901.08	1/4 2584.37	1/4 2267.67	1/4 1950.97	1/4 1634.33	1/4 1318.09	1/4 1001.38	1/4 684.68	1/4 367.97	1/4 54.39	1/4
1/2	1/2 3527.76	1/2 3211.15	1/2 2894.48	1/2 2577.78	1/2 2261.07	1/2 1944.37	1/2 1627.74	1/2 1311.49	1/2 994.78	1/2 678.08	1/2 361.38	1/2 48.52	1/2
3/4	3/4 3521.17	3/4 3204.56	3/4 2887.88	3/4 2571.18	3/4 2254.47	3/4 1937.77	3/4 1621.15	3/4 1304.89	3/4 988.19	3/4 671.48	3/4 354.78	3/4 42.65	3/4
8	8 3514.57	8 3197.96	8 2881.28	8 2564.58	8 2247.88	8 1931.17	8 1614.57	8 1298.29	8 981.59	8 664.88	8 348.18	8 38.04	8
1/4	3718.99 1/4 3507.97	1/4 3191.37	1/4 2874.69	1/4 2557.98	1/4 2241.28	1/4 1924.57	1/4 1607.98	1/4 1291.69	1/4 974.99	1/4 658.29	1/4 341.58	1/4 33.42	1/4
1/2	3718.58 1/2 3501.38	1/2 3184.77	1/2 2868.09	1/2 2551.38	1/2 2234.68	1/2 1917.98	1/2 1601.39	1/2 1285.10	1/2 968.39	1/2 651.69	1/2 334.98	1/2 28.80	1/2
3/4	3718.17 3/4 3494.78	3/4 3178.17	3/4 2861.49	3/4 2544.79	3/4 2228.08	3/4 1911.38	3/4 1594.81	3/4 1278.50	3/4 961.79	3/4 645.09	3/4 328.39	3/4 24.18	3/4
9	9 3717.76	9 3488.19	9 3171.58	9 2854.89	9 2538.19	9 2221.48	9 1904.78	9 1588.22	9 1271.90	9 955.20	9 638.49	9 321.79	9 20.88
1/4	3717.35 1/4 3481.59	1/4 3164.98	1/4 2848.29	1/4 2531.59	1/4 2214.89	1/4 1898.18	1/4 1581.63	1/4 1265.30	1/4 948.60	1/4 631.89	1/4 315.19	1/4 17.59	1/4
1/2	3716.10 1/2 3474.99	1/2 3158.39	1/2 2841.70	1/2 2524.99	1/2 2208.29	1/2 1891.58	1/2 1575.04	1/2 1258.70	1/2 942.00	1/2 625.30	1/2 308.59	1/2 14.29	1/2
3/4	3714.88 3/4 3468.40	3/4 3151.79	3/4 2835.10	3/4 2518.39	3/4 2201.69	3/4 1884.99	3/4 1568.46	3/4 1252.11	3/4 935.40	3/4 618.70	3/4 301.99	3/4 *10.99	3/4
10	10 3713.64	10 3461.80	10 3145.19	10 2828.50	10 2511.80	10 2195.09	10 1878.39	10 1561.87	10 1245.51	10 928.80	10 612.10	10 295.40	10
1/4	3712.41 1/4 3455.21	1/4 3138.60	1/4 2821.90	1/4 2505.20	1/4 2188.49	1/4 1871.79	1/4 1555.28	1/4 1238.91	1/4 922.21	1/4 605.50	1/4 288.80	1/4	1/4
1/2	3710.35 1/2 3448.61	1/2 3132.00	1/2 2815.30	1/2 2498.60	1/2 2181.90	1/2 1865.19	1/2 1548.70	1/2 1232.31	1/2 915.61	1/2 598.90	1/2 282.20	1/2	1/2
3/4	3708.29 3/4 3442.01	3/4 3125.41	3/4 2808.71	3/4 2492.00	3/4 2175.30	3/4 1858.59	3/4 1542.11	3/4 1225.71	3/4 909.01	3/4 592.31	3/4 275.60	3/4	3/4
11	11 3706.30	11 3435.42	11 3118.81	11 2802.11	11 2485.40	11 2168.70	11 1852.00	11 1535.52	11 1219.12	11 902.41	11 585.71	11 269.00	11
1/4	3704.17 1/4 3428.82	1/4 3112.21	1/4 2795.51	1/4 2478.81	1/4 2162.10	1/4 1845.40	1/4 1528.94	1/4 1212.52	1/4 895.81	1/4 579.11	1/4 262.41	1/4	1/4
1/2	3701.28 1/2 3422.23	1/2 3105.62	1/2 2788.91	1/2 2472.21	1/2 2155.50	1/2 1838.80	1/2 1522.35	1/2 1205.92	1/2 889.22	1/2 572.51	1/2 255.81	1/2	1/2
3/4	3698.40 3/4 3415.63	3/4 3099.02	3/4 2782.31	3/4 2465.61	3/4 2148.91	3/4 1832.20	3/4 1515.76	3/4 1199.32	3/4 882.62	3/4 565.91	3/4 249.21	3/4	3/4

CAPACITY IN: 42-GALLON BARRELS

GAUGE HEIGHT: 12'-9 3/4" (RIM OF HATCH OPPOSITE HINGE LOCATED NEAR CENTER OF TANK)

*CAPACITY BELOW STRIKE POINT

STRAPPED 4/12/99

MAGNOLIA MARINE - BARGE "MM 51B"

OUTAGE TABLE

3 PORT or STAR

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL 4332

0 FEET		1 FEET		2 FEET		3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		FEET			
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.	
0		0	3691.05	0	3404.90	0	3088.67	0	2772.35	0	2456.03	0	2139.71	0	1823.39	0	1507.35	0	1191.28	0	874.96	0	558.64	0	242.32	0			
1/4		1/4	3688.17	1/4	3398.32	1/4	3082.08	1/4	2765.76	1/4	2449.44	1/4	2133.12	1/4	1816.80	1/4	1500.77	1/4	1184.69	1/4	868.37	1/4	552.05	1/4	235.73	1/4			
1/2		1/2	3684.46	1/2	3391.73	1/2	3075.49	1/2	2759.17	1/2	2442.85	1/2	2126.53	1/2	1810.21	1/2	1494.19	1/2	1178.10	1/2	861.78	1/2	545.46	1/2	229.14	1/2			
3/4		3/4	3680.76	3/4	3385.14	3/4	3068.90	3/4	2752.58	3/4	2436.26	3/4	2119.94	3/4	1803.62	3/4	1487.61	3/4	1171.51	3/4	855.19	3/4	538.87	3/4	222.55	3/4			
1		1	3677.05	1	3378.55	1	3062.31	1	2745.99	1	2429.67	1	2113.35	1	1797.03	1	1481.03	1	1164.92	1	848.60	1	532.28	1	216.03	1			
1/4		1/4	3673.35	1/4	3371.96	1/4	3055.72	1/4	2739.40	1/4	2423.08	1/4	2106.76	1/4	1790.44	1/4	1474.45	1/4	1158.33	1/4	842.01	1/4	525.69	1/4	209.51	1/4			
1/2		1/2	3668.82	1/2	3365.38	1/2	3049.13	1/2	2732.81	1/2	2416.49	1/2	2100.17	1/2	1783.85	1/2	1467.88	1/2	1151.74	1/2	835.42	1/2	519.10	1/2	202.99	1/2			
3/4		3/4	3664.29	3/4	3358.79	3/4	3042.54	3/4	2726.22	3/4	2409.90	3/4	2093.58	3/4	1777.26	3/4	1461.30	3/4	1145.15	3/4	828.83	3/4	512.51	3/4	196.47	3/4			
2		2	3659.76	2	3352.20	2	3035.95	2	2719.63	2	2403.31	2	2086.99	2	1770.67	2	1454.72	2	1138.56	2	822.24	2	505.92	2	189.95	2			
1/4		1/4	3655.23	1/4	3345.61	1/4	3029.36	1/4	2713.04	1/4	2396.72	1/4	2080.40	1/4	1764.08	1/4	1448.14	1/4	1131.97	1/4	815.65	1/4	499.33	1/4	183.43	1/4			
1/2		1/2	3649.88	1/2	3339.02	1/2	3022.77	1/2	2706.45	1/2	2390.13	1/2	2073.81	1/2	1757.49	1/2	1441.56	1/2	1125.38	1/2	809.06	1/2	492.74	1/2	176.91	1/2			
3/4		3/4	3644.53	3/4	3332.44	3/4	3016.18	3/4	2699.86	3/4	2383.54	3/4	2067.22	3/4	1750.90	3/4	1434.98	3/4	1118.79	3/4	802.47	3/4	486.15	3/4	170.38	3/4			
3		3	3639.18	3	3325.85	3	3009.59	3	2693.27	3	2376.95	3	2060.63	3	1744.31	3	1428.40	3	1112.20	3	795.88	3	479.56	3	163.86	3			
1/4		1/4	3633.83	1/4	3319.26	1/4	3003.00	1/4	2686.68	1/4	2370.36	1/4	2054.04	1/4	1737.72	1/4	1421.82	1/4	1105.61	1/4	789.29	1/4	472.97	1/4	157.34	1/4			
1/2		1/2	3627.66	1/2	3312.67	1/2	2996.41	1/2	2680.09	1/2	2363.77	1/2	2047.45	1/2	1731.13	1/2	1415.24	1/2	1099.02	1/2	782.70	1/2	466.38	1/2	150.82	1/2			
3/4		3/4	3621.48	3/4	3306.08	3/4	2989.82	3/4	2673.50	3/4	2357.18	3/4	2040.86	3/4	1724.54	3/4	1408.66	3/4	1092.43	3/4	776.11	3/4	459.79	3/4	144.30	3/4			
4		4	3615.31	4	3299.50	4	2983.23	4	2666.91	4	2350.59	4	2034.27	4	1717.95	4	1402.09	4	1085.84	4	769.52	4	453.20	4	137.78	4			
1/4		1/4	3609.13	1/4	3292.91	1/4	2976.64	1/4	2660.32	1/4	2344.00	1/4	2027.68	1/4	1711.36	1/4	1395.51	1/4	1079.25	1/4	762.93	1/4	446.61	1/4	131.26	1/4			
1/2		1/2	3602.55	1/2	3286.32	1/2	2970.05	1/2	2653.73	1/2	2337.41	1/2	2021.09	1/2	1704.77	1/2	1388.93	1/2	1072.66	1/2	756.34	1/2	440.02	1/2	124.74	1/2			
3/4		3/4	3595.96	3/4	3279.73	3/4	2963.46	3/4	2647.14	3/4	2330.82	3/4	2014.50	3/4	1698.18	3/4	1382.35	3/4	1066.07	3/4	749.75	3/4	433.43	3/4	118.22	3/4			
5		5	3589.37	5	3273.14	5	2956.87	5	2640.55	5	2324.23	5	2007.91	5	1691.59	5	1375.77	5	1059.48	5	743.16	5	426.84	5	111.70	5			
1/4		1/4	3582.78	1/4	3266.56	1/4	2950.28	1/4	2633.96	1/4	2317.64	1/4	2001.32	1/4	1685.00	1/4	1369.19	1/4	1052.89	1/4	736.57	1/4	420.25	1/4	105.17	1/4			
1/2		1/2	3576.19	1/2	3259.97	1/2	2943.69	1/2	2627.37	1/2	2311.05	1/2	1994.73	1/2	1678.41	1/2	1362.61	1/2	1046.30	1/2	729.98	1/2	413.66	1/2	98.65	1/2			
3/4		3/4	3569.61	3/4	3253.38	3/4	2937.10	3/4	2620.78	3/4	2304.46	3/4	1988.14	3/4	1671.82	3/4	1356.03	3/4	1039.71	3/4	723.39	3/4	407.07	3/4	92.13	3/4			
6		6	3563.02	6	3246.79	6	2930.51	6	2614.19	6	2297.87	6	1981.55	6	1665.25	6	1349.44	6	1033.12	6	716.80	6	400.48	6	85.61	6			
1/4		1/4	3556.43	1/4	3240.20	1/4	2923.92	1/4	2607.60	1/4	2291.28	1/4	1974.96	1/4	1658.67	1/4	1342.85	1/4	1026.53	1/4	710.21	1/4	393.89	1/4	79.09	1/4			
1/2		1/2	3549.84	1/2	3233.62	1/2	2917.33	1/2	2601.01	1/2	2284.69	1/2	1968.37	1/2	1652.09	1/2	1336.26	1/2	1019.94	1/2	703.62	1/2	387.30	1/2	72.57	1/2			
3/4		3/4	3543.25	3/4	3227.03	3/4	2910.74	3/4	2594.42	3/4	2278.10	3/4	1961.78	3/4	1645.51	3/4	1329.67	3/4	1013.35	3/4	697.03	3/4	380.71	3/4	66.05	3/4			
7		7	3536.67	7	3220.44	7	2904.15	7	2587.83	7	2271.51	7	1955.19	7	1638.93	7	1323.08	7	1006.76	7	690.44	7	374.12	7	60.19	7			
1/4		1/4	3530.08	1/4	3213.85	1/4	2897.56	1/4	2581.24	1/4	2264.92	1/4	1948.60	1/4	1632.35	1/4	1316.49	1/4	1000.17	1/4	683.85	1/4	367.53	1/4	54.33	1/4			
1/2		1/2	3523.49	1/2	3207.26	1/2	2890.97	1/2	2574.65	1/2	2258.33	1/2	1942.01	1/2	1625.77	1/2	1309.90	1/2	993.58	1/2	677.26	1/2	360.94	1/2	48.47	1/2			
3/4		3/4	3516.90	3/4	3200.68	3/4	2884.38	3/4	2568.06	3/4	2251.74	3/4	1935.42	3/4	1619.19	3/4	1303.31	3/4	986.99	3/4	670.67	3/4	354.35	3/4	42.60	3/4			
8		8	3510.31	8	3194.09	8	2877.79	8	2561.47	8	2245.15	8	1928.83	8	1612.61	8	1296.72	8	980.40	8	664.08	8	347.76	8	37.99	8			
1/4	3714.09	1/4	3503.73	1/4	3187.50	1/4	2871.20	1/4	2554.88	1/4	2238.56	1/4	1922.24	1/4	1606.03	1/4	1290.13	1/4	973.81	1/4	657.49	1/4	341.17	1/4	33.38	1/4			
1/2	3713.78	1/2	3497.14	1/2	3180.91	1/2	2864.61	1/2	2548.29	1/2	2231.97	1/2	1915.65	1/2	1599.46	1/2	1283.54	1/2	967.22	1/2	650.90	1/2	334.58	1/2	28.77	1/2			
3/4	3713.47	3/4	3490.55	3/4	3174.32	3/4	2858.02	3/4	2541.70	3/4	2225.38	3/4	1909.06	3/4	1592.88	3/4	1276.95	3/4	960.63	3/4	644.31	3/4	327.99	3/4	24.15	3/4			
9	3713.16	9	3483.96	9	3167.74	9	2851.43	9	2535.11	9	2218.79	9	1902.47	9	1586.30	9	1270.36	9	954.04	9	637.72	9	321.40	9	20.86	9			
1/4	3712.85	1/4	3477.37	1/4	3161.15	1/4	2844.84	1/4	2528.52	1/4	2212.20	1/4	1895.88	1/4	1579.72	1/4	1263.77	1/4	947.45	1/4	631.13	1/4	314.81	1/4	17.56	1/4			
1/2	3711.62	1/2	3470.79	1/2	3154.56	1/2	2838.25	1/2	2521.93	1/2	2205.61	1/2	1889.29	1/2	1573.14	1/2	1257.18	1/2	940.86	1/2	624.54	1/2	308.22	1/2	14.27	1/2			
3/4	3710.38	3/4	3464.20	3/4	3147.97	3/4	2831.66	3/4	2515.34	3/4	2199.02	3/4	1882.70	3/4	1566.56	3/4	1250.59	3/4	934.27	3/4	617.95	3/4	301.63	3/4	*10.98	3/4			
10	3709.15	10	3457.61	10	3141.38	10	2825.07	10	2508.75	10	2192.43	10	1876.11	10															

MAGNOLIA MARINE - BARGE "MM 51B"

OUTAGE TABLE

4 PORT or STAR

BARGE SHOULD BE ON EVEN LENGTH KEEL WHEN GAUGES ARE TAKEN

HULL 4332

0 FEET		1 FEET		2 FEET		3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		FEET		
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		
0		0		0	2948.01	0	2890.56	0	2680.62	0	2394.49	0	2108.36	0	1822.23	0	1536.11	0	1250.42	0	964.33	0	678.20	0	392.07	0	106.97	
1/4	1/4	1/4	2946.82	1/4	2889.36	1/4	2674.66	1/4	2388.53	1/4	2102.40	1/4	1816.27	1/4	1530.14	1/4	1244.47	1/4	958.37	1/4	672.24	1/4	386.11	1/4	101.07	1/4	101.07	
1/2	1/2	1/2	2945.62	1/2	2888.16	1/2	2668.70	1/2	2382.57	1/2	2096.44	1/2	1810.31	1/2	1524.18	1/2	1238.52	1/2	952.41	1/2	666.28	1/2	380.15	1/2	95.18	1/2	95.18	
3/4	3/4	3/4	2944.42	3/4	2886.97	3/4	2662.73	3/4	2376.61	3/4	2090.48	3/4	1804.35	3/4	1518.22	3/4	1232.56	3/4	946.45	3/4	660.32	3/4	374.19	3/4	89.28	3/4	89.28	
1		1		1	2943.23	1	2885.77	1	2656.77	1	2370.65	1	2084.52	1	1798.39	1	1512.26	1	1226.61	1	940.49	1	654.36	1	368.23	1	83.38	
1/4	1/4	1/4	2942.03	1/4	2884.57	1/4	2650.81	1/4	2364.68	1/4	2078.56	1/4	1792.43	1/4	1506.31	1/4	1220.65	1/4	934.52	1/4	648.40	1/4	362.27	1/4	77.48	1/4	77.48	
1/2	1/2	1/2	2940.83	1/2	2883.37	1/2	2644.85	1/2	2358.72	1/2	2072.60	1/2	1786.47	1/2	1500.36	1/2	1214.69	1/2	928.56	1/2	642.44	1/2	356.31	1/2	71.59	1/2	71.59	
3/4	3/4	3/4	2939.63	3/4	2881.70	3/4	2638.89	3/4	2352.76	3/4	2066.63	3/4	1780.51	3/4	1494.41	3/4	1208.73	3/4	922.60	3/4	636.47	3/4	350.35	3/4	65.69	3/4	65.69	
2		2		2	2938.44	2	2880.02	2	2632.93	2	2346.80	2	2060.67	2	1774.55	2	1488.46	2	1202.77	2	916.64	2	630.51	2	344.39	2	59.79	
1/4	1/4	1/4	2937.24	1/4	2878.35	1/4	2626.97	1/4	2340.84	1/4	2054.71	1/4	1768.58	1/4	1482.51	1/4	1196.81	1/4	910.68	1/4	624.55	1/4	338.42	1/4	54.49	1/4	54.49	
1/2	1/2	1/2	2936.04	1/2	2876.67	1/2	2621.01	1/2	2334.88	1/2	2048.75	1/2	1762.62	1/2	1476.56	1/2	1190.85	1/2	904.72	1/2	618.59	1/2	332.46	1/2	49.19	1/2	49.19	
3/4	3/4	3/4	2934.85	3/4	2874.04	3/4	2615.05	3/4	2328.92	3/4	2042.79	3/4	1756.66	3/4	1470.60	3/4	1184.89	3/4	898.76	3/4	612.63	3/4	326.50	3/4	43.89	3/4	43.89	
3		3		3	2933.65	3	2871.41	3	2609.09	3	2322.96	3	2036.83	3	1750.70	3	1464.65	3	1178.93	3	892.80	3	606.67	3	320.54	3	38.59	
1/4	1/4	1/4	2932.45	1/4	2868.78	1/4	2603.12	1/4	2317.00	1/4	2030.87	1/4	1744.74	1/4	1458.70	1/4	1172.96	1/4	886.84	1/4	600.71	1/4	314.58	1/4	34.42	1/4	34.42	
1/2	1/2	2969.54	1/2	2931.26	1/2	2866.16	1/2	2597.16	1/2	2311.04	1/2	2024.91	1/2	1738.78	1/2	1452.75	1/2	1167.00	1/2	880.88	1/2	594.75	1/2	308.62	1/2	30.24	1/2	30.24
3/4	3/4	2969.46	3/4	2930.06	3/4	2862.57	3/4	2591.20	3/4	2305.07	3/4	2018.95	3/4	1732.82	3/4	1446.80	3/4	1161.04	3/4	874.91	3/4	588.79	3/4	302.66	3/4	26.07	3/4	26.07
4		4	2969.39	4	2928.86	4	2858.99	4	2585.24	4	2299.11	4	2012.99	4	1726.86	4	1440.85	4	1155.08	4	868.95	4	582.83	4	296.70	4	*21.90	
1/4	1/4	2969.32	1/4	2927.66	1/4	2855.41	1/4	2579.28	1/4	2293.15	1/4	2007.02	1/4	1720.90	1/4	1434.90	1/4	1149.12	1/4	862.99	1/4	576.86	1/4	290.74	1/4		1/4	
1/2	1/2	2969.25	1/2	2926.47	1/2	2851.83	1/2	2573.32	1/2	2287.19	1/2	2001.06	1/2	1714.94	1/2	1428.95	1/2	1143.16	1/2	857.03	1/2	570.90	1/2	284.78	1/2		1/2	
3/4	3/4	2969.02	3/4	2925.27	3/4	2847.30	3/4	2567.36	3/4	2281.23	3/4	1995.10	3/4	1708.97	3/4	1423.00	3/4	1137.20	3/4	851.07	3/4	564.94	3/4	278.81	3/4		3/4	
5		5	2968.80	5	2924.07	5	2842.76	5	2561.40	5	2275.27	5	1989.14	5	1703.01	5	1417.05	5	1131.24	5	845.11	5	558.98	5	272.85	5		
1/4	1/4	2968.58	1/4	2922.88	1/4	2838.23	1/4	2555.44	1/4	2269.31	1/4	1983.18	1/4	1697.05	1/4	1411.09	1/4	1125.28	1/4	839.15	1/4	553.02	1/4	266.89	1/4		1/4	
1/2	1/2	2968.36	1/2	2921.68	1/2	2833.70	1/2	2549.48	1/2	2263.35	1/2	1977.22	1/2	1691.09	1/2	1405.14	1/2	1119.32	1/2	833.19	1/2	547.06	1/2	260.93	1/2		1/2	
3/4	3/4	2967.98	3/4	2920.48	3/4	2828.21	3/4	2543.51	3/4	2257.39	3/4	1971.26	3/4	1685.13	3/4	1399.19	3/4	1113.35	3/4	827.23	3/4	541.10	3/4	254.97	3/4		3/4	
6		6	2967.61	6	2919.29	6	2822.73	6	2537.55	6	2251.43	6	1965.30	6	1679.17	6	1393.24	6	1107.39	6	821.27	6	535.14	6	249.01	6		
1/4	1/4	2967.24	1/4	2918.09	1/4	2817.24	1/4	2531.59	1/4	2245.46	1/4	1959.34	1/4	1673.21	1/4	1387.29	1/4	1101.43	1/4	815.30	1/4	529.18	1/4	243.05	1/4		1/4	
1/2	1/2	2966.86	1/2	2916.89	1/2	2811.76	1/2	2525.63	1/2	2239.50	1/2	1953.38	1/2	1667.25	1/2	1381.34	1/2	1095.47	1/2	809.34	1/2	523.22	1/2	237.09	1/2		1/2	
3/4	3/4	2966.34	3/4	2915.69	3/4	2805.80	3/4	2519.67	3/4	2233.54	3/4	1947.41	3/4	1661.29	3/4	1375.39	3/4	1089.51	3/4	803.38	3/4	517.25	3/4	231.13	3/4		3/4	
7		7	2965.82	7	2914.50	7	2799.84	7	2513.71	7	2227.58	7	1941.45	7	1655.33	7	1369.44	7	1083.55	7	797.42	7	511.29	7	225.17	7		
1/4	1/4	2965.29	1/4	2913.30	1/4	2793.88	1/4	2507.75	1/4	2221.62	1/4	1935.49	1/4	1649.36	1/4	1363.49	1/4	1077.59	1/4	791.46	1/4	505.33	1/4	219.20	1/4		1/4	
1/2	1/2	2964.77	1/2	2912.10	1/2	2787.92	1/2	2501.79	1/2	2215.66	1/2	1929.53	1/2	1643.40	1/2	1357.54	1/2	1071.63	1/2	785.50	1/2	499.37	1/2	213.24	1/2		1/2	
3/4	3/4	2964.10	3/4	2910.91	3/4	2781.95	3/4	2495.83	3/4	2209.70	3/4	1923.57	3/4	1637.44	3/4	1351.58	3/4	1065.67	3/4	779.54	3/4	493.41	3/4	207.28	3/4		3/4	
8		8	2963.43	8	2909.71	8	2775.99	8	2489.87	8	2203.74	8	1917.61	8	1631.48	8	1345.63	8	1059.71	8	773.58	8	487.45	8	201.32	8		
1/4	1/4	2962.75	1/4	2908.51	1/4	2770.03	1/4	2483.90	1/4	2197.78	1/4	1911.65	1/4	1625.52	1/4	1339.68	1/4	1053.74	1/4	767.62	1/4	481.49	1/4	195.42	1/4		1/4	
1/2	1/2	2962.08	1/2	2907.32	1/2	2764.07	1/2	2477.94	1/2	2191.82	1/2	1905.69	1/2	1619.56	1/2	1333.73	1/2	1047.78	1/2	761.66	1/2	475.53	1/2	189.53	1/2		1/2	
3/4	3/4	2961.26	3/4	2906.12	3/4	2758.11	3/4	2471.98	3/4	2185.85	3/4	1899.73	3/4	1613.60	3/4	1327.78	3/4	1041.82	3/4	755.69	3/4	469.57	3/4	183.63	3/4		3/4	
9		9	2960.43	9	2904.92	9	2752.15	9	2466.02	9	2179.89	9	1893.77	9	1607.64	9	1321.83	9	1035.86	9	749.73	9	463.61	9	177.73	9		
1/4	1/4	2959.61	1/4	2903.72	1/4	2746.19	1/4	2460.06	1/4	2173.93	1/4	1887.80	1/4	1601.68	1/4	1315.88	1/4	1029.90	1/4	743.77	1/4	457.64	1/4	171.84	1/4			