

MAGNOLIA MARINE - BARGE "MM 70"

OUTAGE TABLE

1 PORT OR STAR

BARGE SHOULD BE ON EVEN LENGTH KEEL WHEN GAUGES ARE TAKEN

HULL 4346

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	2903.21	0	2673.67	0	2413.27	0	2152.87	0	1892.47	0	1632.07	0	1371.67	0	1111.27	0	850.87	0	590.47	0	342.67	0	138.31	0			
1/4		1/4	2900.84	1/4	2668.25	1/4	2407.84	1/4	2147.44	1/4	1887.04	1/4	1626.64	1/4	1366.24	1/4	1105.84	1/4	845.44	1/4	585.04	1/4	337.84	1/4	134.42	1/4			
1/2		1/2	2898.46	1/2	2662.82	1/2	2402.42	1/2	2142.02	1/2	1881.62	1/2	1621.22	1/2	1360.82	1/2	1100.12	1/2	840.04	1/2	579.62	1/2	333.25	1/2	130.77	1/2			
3/4		3/4	2896.09	3/4	2657.40	3/4	2396.99	3/4	2136.59	3/4	1876.19	3/4	1615.79	3/4	1355.39	3/4	1094.99	3/4	834.59	3/4	574.19	3/4	328.66	3/4	127.12	3/4			
1		1	2893.04	1	2651.97	1	2391.57	1	2131.17	1	1870.77	1	1610.37	1	1349.97	1	1089.57	1	829.17	1	568.77	1	324.07	1	123.47	1			
1/4		1/4	2889.99	1/4	2646.55	1/4	2386.14	1/4	2125.74	1/4	1865.34	1/4	1604.94	1/4	1344.54	1/4	1084.14	1/4	823.74	1/4	563.34	1/4	319.48	1/4	119.82	1/4			
1/2		1/2	2886.94	1/2	2641.12	1/2	2380.72	1/2	2120.32	1/2	1859.92	1/2	1599.52	1/2	1339.12	1/2	1078.72	1/2	818.32	1/2	557.93	1/2	314.89	1/2	116.17	1/2			
3/4		3/4	2883.89	3/4	2635.70	3/4	2375.29	3/4	2114.89	3/4	1854.49	3/4	1594.09	3/4	1333.69	3/4	1073.29	3/4	812.89	3/4	552.52	3/4	310.30	3/4	112.52	3/4			
2		2	2880.16	2	2630.27	2	2369.87	2	2109.47	2	1849.07	2	1588.67	2	1328.27	2	1067.87	2	807.47	2	547.11	2	305.71	2	108.87	2			
1/4		1/4	2876.43	1/4	2624.85	1/4	2364.44	1/4	2104.04	1/4	1843.64	1/4	1583.24	1/4	1322.84	1/4	1062.44	1/4	802.04	1/4	541.69	1/4	301.12	1/4	105.22	1/4			
1/2		1/2	2872.70	1/2	2619.42	1/2	2359.02	1/2	2098.62	1/2	1838.22	1/2	1577.82	1/2	1317.42	1/2	1057.02	1/2	796.62	1/2	536.28	1/2	296.53	1/2	101.57	1/2			
3/4		3/4	2864.56	3/4	2614.00	3/4	2353.59	3/4	2093.19	3/4	1832.79	3/4	1572.39	3/4	1311.99	3/4	1051.69	3/4	791.19	3/4	530.87	3/4	291.93	3/4	97.92	3/4			
3		3	2860.16	3	2608.57	3	2348.17	3	2087.77	3	1827.37	3	1566.97	3	1306.57	3	1046.17	3	785.77	3	525.45	3	287.34	3	94.27	3			
1/4		1/4	2855.75	1/4	2603.15	1/4	2342.74	1/4	2082.34	1/4	1821.94	1/4	1561.54	1/4	1301.14	1/4	1040.74	1/4	780.34	1/4	520.04	1/4	282.75	1/4	90.62	1/4			
1/2		1/2	2855.75	1/2	2597.72	1/2	2337.32	1/2	2076.92	1/2	1816.52	1/2	1556.12	1/2	1295.72	1/2	1035.32	1/2	774.92	1/2	514.74	1/2	278.40	1/2	87.21	1/2			
3/4		3/4	2851.34	3/4	2592.30	3/4	2331.89	3/4	2071.49	3/4	1811.09	3/4	1550.69	3/4	1290.29	3/4	1029.89	3/4	769.49	3/4	509.45	3/4	274.04	3/4	83.79	3/4			
4		4	2846.25	4	2586.87	4	2326.47	4	2066.07	4	1805.67	4	1545.27	4	1284.87	4	1024.47	4	764.07	4	504.15	4	269.68	4	80.38	4			
1/4		1/4	2841.17	1/4	2581.44	1/4	2321.04	1/4	2060.64	1/4	1800.24	1/4	1539.84	1/4	1279.44	1/4	1018.04	1/4	758.64	1/4	498.86	1/4	265.33	1/4	76.96	1/4			
1/2		1/2	2836.08	1/2	2576.02	1/2	2315.62	1/2	2055.22	1/2	1794.82	1/2	1534.42	1/2	1274.02	1/2	1013.62	1/2	753.22	1/2	493.56	1/2	260.97	1/2	73.55	1/2			
3/4		3/4	2831.00	3/4	2570.59	3/4	2310.19	3/4	2049.79	3/4	1789.39	3/4	1528.99	3/4	1268.59	3/4	1008.19	3/4	747.79	3/4	488.26	3/4	256.62	3/4	70.14	3/4			
5		5	2825.57	5	2565.17	5	2304.77	5	2044.37	5	1783.97	5	1523.57	5	1263.17	5	1002.77	5	742.37	5	482.97	5	252.26	5	66.72	5			
1/4		1/4	2820.15	1/4	2559.74	1/4	2299.34	1/4	2038.94	1/4	1778.54	1/4	1518.14	1/4	1257.74	1/4	997.34	1/4	736.94	1/4	477.67	1/4	247.90	1/4	63.31	1/4			
1/2		1/2	2814.72	1/2	2554.32	1/2	2293.92	1/2	2033.52	1/2	1773.12	1/2	1512.72	1/2	1252.32	1/2	991.92	1/2	731.62	1/2	472.38	1/2	243.55	1/2	59.89	1/2			
3/4		3/4	2809.30	3/4	2548.89	3/4	2288.49	3/4	2028.09	3/4	1767.69	3/4	1507.29	3/4	1246.89	3/4	986.49	3/4	726.09	3/4	467.08	3/4	239.19	3/4	56.48	3/4			
6		6	2803.87	6	2543.47	6	2283.07	6	2022.67	6	1762.27	6	1501.87	6	1241.47	6	981.07	6	720.67	6	461.78	6	234.84	6	53.07	6			
1/4		1/4	2798.45	1/4	2538.04	1/4	2277.64	1/4	2017.24	1/4	1756.84	1/4	1496.44	1/4	1236.04	1/4	975.64	1/4	715.24	1/4	456.49	1/4	230.48	1/4	49.65	1/4			
1/2		1/2	2793.02	1/2	2532.62	1/2	2272.22	1/2	2011.82	1/2	1751.42	1/2	1491.02	1/2	1230.62	1/2	970.22	1/2	709.82	1/2	451.43	1/2	226.36	1/2	46.47	1/2			
3/4		3/4	2787.60	3/4	2527.19	3/4	2266.79	3/4	2006.39	3/4	1745.99	3/4	1495.59	3/4	1225.19	3/4	964.79	3/4	704.39	3/4	446.37	3/4	222.24	3/4	43.29	3/4			
7		7	2782.17	7	2521.77	7	2261.37	7	2000.97	7	1740.57	7	1480.17	7	1219.77	7	959.37	7	698.97	7	441.31	7	218.12	7	40.11	7			
1/4		1/4	2776.75	1/4	2516.34	1/4	2255.94	1/4	1995.54	1/4	1735.14	1/4	1474.74	1/4	1214.34	1/4	953.94	1/4	693.54	1/4	436.24	1/4	214.00	1/4	36.93	1/4			
1/2		1/2	2771.32	1/2	2510.92	1/2	2250.52	1/2	1990.12	1/2	1729.72	1/2	1469.32	1/2	1208.92	1/2	948.52	1/2	688.12	1/2	431.18	1/2	209.88	1/2	34.00	1/2			
3/4		3/4	2765.90	3/4	2505.49	3/4	2245.09	3/4	1984.69	3/4	1724.29	3/4	1463.89	3/4	1203.49	3/4	943.09	3/4	682.69	3/4	426.12	3/4	205.76	3/4	31.06	3/4			
8		8	2760.47	8	2500.07	8	2239.67	8	1979.27	8	1718.87	8	1458.47	8	1198.07	8	937.67	8	677.27	8	421.06	8	201.64	8	28.12	8			
1/4		1/4	2755.05	1/4	2494.64	1/4	2234.24	1/4	1973.84	1/4	1713.44	1/4	1453.04	1/4	1192.64	1/4	932.24	1/4	671.84	1/4	416.00	1/4	197.52	1/4	25.19	1/4			
1/2		1/2	2749.62	1/2	2489.22	1/2	2228.82	1/2	1968.42	1/2	1708.02	1/2	1447.62	1/2	1187.22	1/2	926.82	1/2	666.42	1/2	410.94	1/2	193.40	1/2	22.73	1/2			
3/4	2917.78	3/4	2744.20	3/4	2483.79	3/4	2223.39	3/4	1962.99	3/4	1702.59	3/4	1442.19	3/4	1181.79	3/4	921.39	3/4	660.99	3/4	405.88	3/4	189.28	3/4	20.28	3/4			
9	2917.44	9	2738.77	9	2478.37	9	2217.97	9	1957.57	9	1697.17	9	1436.77	9	1176.37	9	915.97	9	655.57	9	400.82	9	185.16	9	17.82	9			
1/4	2917.10	1/4	2733.35	1/4	2472.94	1/4	2212.54	1/4	1952.14	1/4	1691.74	1/4	1431.34	1/4	1170.94	1/4	910.54	1/4	650.14										

MAGNOLIA MARINE - BARGE "MM 70"

OUTAGE TABLE

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

2 PORT

HULL 4346

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	3320.06	0	3069.66	0	2785.59	0	2501.53	0	2217.46	0	1933.40	0	1649.33	0	1365.50	0	1081.69	0	797.62	0	513.56	0	229.49	0	
1/4		1/4	3319.47	1/4	3063.74	1/4	2779.67	1/4	2495.61	1/4	2211.54	1/4	1927.48	1/4	1643.42	1/4	1359.59	1/4	1075.77	1/4	791.70	1/4	507.64	1/4	223.58	1/4	
1/2		1/2	3314.88	1/2	3057.82	1/2	2773.75	1/2	2489.69	1/2	2205.63	1/2	1921.56	1/2	1637.50	1/2	1353.68	1/2	1069.85	1/2	785.79	1/2	501.72	1/2	217.66	1/2	
3/4		3/4	3312.29	3/4	3051.90	3/4	2767.84	3/4	2483.77	3/4	2199.71	3/4	1915.64	3/4	1631.58	3/4	1347.78	3/4	1063.93	3/4	779.87	3/4	495.80	3/4	211.74	3/4	
1		1	3308.96	1	3045.98	1	2761.92	1	2477.85	1	2193.79	1	1909.73	1	1625.66	1	1341.87	1	1058.01	1	773.95	1	489.89	1	205.82	1	
1/4		1/4	3305.63	1/4	3040.06	1/4	2756.00	1/4	2471.94	1/4	2187.87	1/4	1903.81	1/4	1619.74	1/4	1335.96	1/4	1052.10	1/4	768.03	1/4	483.97	1/4	199.90	1/4	
1/2		1/2	3302.30	1/2	3034.15	1/2	2750.08	1/2	2466.02	1/2	2181.95	1/2	1897.89	1/2	1613.83	1/2	1330.05	1/2	1046.18	1/2	762.11	1/2	478.05	1/2	194.05	1/2	
3/4		3/4	3298.97	3/4	3028.23	3/4	2744.16	3/4	2460.10	3/4	2176.04	3/4	1891.97	3/4	1607.91	3/4	1324.14	3/4	1040.26	3/4	756.20	3/4	472.13	3/4	188.19	3/4	
2		2	3294.91	2	3022.31	2	2738.25	2	2454.18	2	2170.12	2	1886.05	2	1601.99	2	1318.24	2	1034.34	2	750.28	2	466.21	2	182.34	2	
1/4		1/4	3290.84	1/4	3016.39	1/4	2732.33	1/4	2448.26	1/4	2164.20	1/4	1880.14	1/4	1596.07	1/4	1312.33	1/4	1028.42	1/4	744.36	1/4	460.30	1/4	176.48	1/4	
1/2		1/2	3286.77	1/2	3010.47	1/2	2726.41	1/2	2442.35	1/2	2158.28	1/2	1874.22	1/2	1590.15	1/2	1306.42	1/2	1022.51	1/2	738.44	1/2	454.38	1/2	170.62	1/2	
3/4		3/4	3282.70	3/4	3004.56	3/4	2720.49	3/4	2436.43	3/4	2152.36	3/4	1868.30	3/4	1584.24	3/4	1300.51	3/4	1016.59	3/4	732.52	3/4	448.46	3/4	164.77	3/4	
3		3	3277.89	3	2998.64	3	2714.57	3	2430.51	3	2146.45	3	1862.38	3	1578.32	3	1294.60	3	1010.67	3	726.61	3	442.64	3	158.91	3	
1/4		1/4	3273.09	1/4	2992.72	1/4	2708.66	1/4	2424.59	1/4	2140.53	1/4	1856.46	1/4	1572.40	1/4	1288.70	1/4	1004.75	1/4	720.69	1/4	436.62	1/4	153.06	1/4	
1/2		1/2	3268.28	1/2	2986.80	1/2	2702.74	1/2	2418.67	1/2	2134.61	1/2	1850.55	1/2	1566.40	1/2	1282.79	1/2	998.83	1/2	714.77	1/2	430.71	1/2	147.20	1/2	
3/4		3/4	3263.47	3/4	2980.88	3/4	2696.82	3/4	2412.76	3/4	2128.69	3/4	1844.63	3/4	1560.56	3/4	1276.88	3/4	992.92	3/4	705.85	3/4	424.79	3/4	141.34	3/4	
4		4	3257.92	4	2974.97	4	2690.90	4	2406.84	4	2122.77	4	1838.71	4	1554.65	4	1270.97	4	987.00	4	702.93	4	418.87	4	135.49	4	
1/4		1/4	3253.37	1/4	2969.05	1/4	2684.98	1/4	2400.92	1/4	2116.86	1/4	1832.79	1/4	1548.73	1/4	1265.06	1/4	981.08	1/4	697.02	1/4	412.95	1/4	129.63	1/4	
1/2		1/2	3246.83	1/2	2963.13	1/2	2679.07	1/2	2395.00	1/2	2110.94	1/2	1826.87	1/2	1542.81	1/2	1259.16	1/2	975.16	1/2	691.10	1/2	407.03	1/2	123.78	1/2	
3/4		3/4	3241.28	3/4	2957.21	3/4	2673.15	3/4	2389.08	3/4	2105.02	3/4	1820.96	3/4	1536.89	3/4	1253.25	3/4	969.24	3/4	685.18	3/4	401.12	3/4	117.92	3/4	
5		5	3235.36	5	2951.29	5	2667.23	5	2383.17	5	2099.10	5	1815.04	5	1530.97	5	1247.34	5	963.33	5	679.26	5	395.20	5	112.06	5	
1/4		1/4	3229.44	1/4	2945.38	1/4	2661.31	1/4	2377.25	1/4	2093.18	1/4	1809.12	1/4	1525.06	1/4	1241.43	1/4	957.41	1/4	673.34	1/4	389.28	1/4	106.21	1/4	
1/2		1/2	3223.62	1/2	2939.46	1/2	2655.39	1/2	2371.33	1/2	2087.27	1/2	1803.20	1/2	1519.14	1/2	1235.52	1/2	951.49	1/2	667.43	1/2	383.36	1/2	100.35	1/2	
3/4		3/4	3217.61	3/4	2933.54	3/4	2649.48	3/4	2365.41	3/4	2081.35	3/4	1797.28	3/4	1513.22	3/4	1229.62	3/4	945.57	3/4	661.51	3/4	377.44	3/4	94.50	3/4	
6		6	3211.69	6	2927.62	6	2643.56	6	2359.49	6	2075.43	6	1791.37	6	1501.30	6	1223.71	6	939.65	6	655.59	6	371.53	6	88.64	6	
1/4		1/4	3205.77	1/4	2921.70	1/4	2637.64	1/4	2353.58	1/4	2069.51	1/4	1785.45	1/4	1501.38	1/4	1217.80	1/4	933.74	1/4	649.67	1/4	365.61	1/4	82.78	1/4	
1/2		1/2	3199.85	1/2	2915.79	1/2	2631.72	1/2	2347.66	1/2	2063.59	1/2	1779.53	1/2	1495.48	1/2	1211.88	1/2	927.82	1/2	643.75	1/2	359.69	1/2	76.93	1/2	
3/4		3/4	3193.93	3/4	2909.87	3/4	2625.80	3/4	2341.74	3/4	2057.68	3/4	1773.61	3/4	1489.57	3/4	1205.96	3/4	921.90	3/4	637.84	3/4	353.77	3/4	71.07	3/4	
7		7	3188.02	7	2903.95	7	2619.89	7	2335.82	7	2051.76	7	1767.69	7	1483.66	7	1200.05	7	915.98	7	631.92	7	347.85	7	65.22	7	
1/4		1/4	3182.10	1/4	2898.03	1/4	2613.97	1/4	2329.90	1/4	2045.84	1/4	1761.78	1/4	1477.75	1/4	1194.13	1/4	910.09	1/4	626.00	1/4	341.94	1/4	59.36	1/4	
1/2		1/2	3176.18	1/2	2892.11	1/2	2608.05	1/2	2323.99	1/2	2039.92	1/2	1755.86	1/2	1471.84	1/2	1188.21	1/2	904.15	1/2	620.08	1/2	336.02	1/2	54.10	1/2	
3/4		3/4	3170.26	3/4	2886.20	3/4	2602.13	3/4	2318.07	3/4	2034.00	3/4	1749.94	3/4	1465.94	3/4	1182.29	3/4	898.23	3/4	614.16	3/4	330.10	3/4	48.83	3/4	
8		8	3164.34	8	2880.28	8	2596.21	8	2312.15	8	2028.09	8	1744.02	8	1460.03	8	1176.37	8	892.31	8	608.25	8	324.18	8	43.57	8	
1/4		1/4	3158.43	1/4	2874.36	1/4	2590.30	1/4	2306.23	1/4	2022.17	1/4	1738.10	1/4	1454.12	1/4	1170.46	1/4	886.39	1/4	602.33	1/4	318.26	1/4	38.30	1/4	
1/2		1/2	3152.51	1/2	2868.44	1/2	2584.38	1/2	2300.31	1/2	2016.25	1/2	1732.19	1/2	1448.21	1/2	1164.54	1/2	880.47	1/2	596.41	1/2	312.35	1/2	34.16	1/2	
3/4	3335.95	3/4	3146.59	3/4	2862.52	3/4	2578.46	3/4	2294.40	3/4	2010.33	3/4	1726.27	3/4	1442.30	3/4	1158.62	3/4	874.56	3/4	590.49	3/4	306.43	3/4	30.02	3/4	
9	3335.58	9	3140.67	9	2856.61	9	2572.54	9	2288.48	9	2004.41	9	1720.35	9	1436.40	9	1152.70	9	868.64	9	584.57	9	300.51	9	25.88	9	
1/4	3335.22	1/4	3134.75	1/4	2850.69	1/4	2566.62	1/4	2282.56	1/4	1998.50	1/4	1714.43	1/4	1430.49	1/4	1146.78	1/4	862.72	1/4	578.66	1/4	294.59	1/4	21.74	1/4	
1/2	3334.85	1/2	3128.84	1/2	2844.77	1/2	2560.71	1/2	2276.64	1/2	1992.58	1/2	1708.51	1/2	1424.80	1/2	1140.87	1/2	856.80	1/2	572.74	1/2	288.67				

MAGNOLIA MARINE - BARGE "MM 70"

OUTAGE TABLE

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

2 STAR

HULL 4346

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.		IN.	
0		0	3320.06	0	3069.66	0	2785.59	0	2501.53	0	2217.46	0	1933.40	0	1649.33	0	1365.50	0	1081.69	0	797.62	0	513.56	0	229.49	0		0			
1/4		1/4	3317.47	1/4	3063.74	1/4	2779.67	1/4	2495.61	1/4	2211.54	1/4	1927.48	1/4	1643.42	1/4	1359.59	1/4	1075.77	1/4	791.70	1/4	507.64	1/4	223.58	1/4		1/4			
1/2		1/2	3314.88	1/2	3057.82	1/2	2773.75	1/2	2489.69	1/2	2205.63	1/2	1921.56	1/2	1637.50	1/2	1353.68	1/2	1069.85	1/2	785.79	1/2	501.72	1/2	217.66	1/2		1/2			
3/4		3/4	3312.29	3/4	3051.90	3/4	2767.84	3/4	2483.77	3/4	2199.71	3/4	1915.64	3/4	1631.58	3/4	1347.78	3/4	1063.93	3/4	779.87	3/4	495.80	3/4	211.74	3/4		3/4			
1		1	3308.96	1	3045.98	1	2761.92	1	2477.85	1	2193.79	1	1909.73	1	1625.66	1	1341.87	1	1058.01	1	773.95	1	489.89	1	205.82	1		1			
1/4		1/4	3305.63	1/4	3040.06	1/4	2756.00	1/4	2471.94	1/4	2187.87	1/4	1903.81	1/4	1619.74	1/4	1335.96	1/4	1052.10	1/4	768.03	1/4	483.97	1/4	199.90	1/4		1/4			
1/2		1/2	3302.30	1/2	3034.15	1/2	2750.08	1/2	2466.02	1/2	2181.95	1/2	1897.89	1/2	1613.83	1/2	1330.05	1/2	1046.18	1/2	762.11	1/2	478.05	1/2	194.05	1/2		1/2			
3/4		3/4	3298.97	3/4	3028.23	3/4	2744.16	3/4	2460.10	3/4	2176.04	3/4	1891.97	3/4	1607.91	3/4	1324.14	3/4	1040.26	3/4	756.20	3/4	472.13	3/4	188.19	3/4		3/4			
2		2	3294.91	2	3022.31	2	2738.25	2	2454.18	2	2170.12	2	1886.05	2	1601.99	2	1318.24	2	1034.34	2	750.28	2	466.21	2	182.34	2		2			
1/4		1/4	3290.84	1/4	3016.39	1/4	2732.33	1/4	2448.26	1/4	2164.20	1/4	1880.14	1/4	1596.07	1/4	1312.33	1/4	1028.42	1/4	744.36	1/4	460.30	1/4	176.48	1/4		1/4			
1/2		1/2	3286.77	1/2	3010.47	1/2	2726.41	1/2	2442.35	1/2	2158.28	1/2	1874.22	1/2	1590.15	1/2	1306.42	1/2	1022.51	1/2	738.44	1/2	454.38	1/2	170.62	1/2		1/2			
3/4		3/4	3282.70	3/4	3004.56	3/4	2720.49	3/4	2436.43	3/4	2152.36	3/4	1868.30	3/4	1584.24	3/4	1300.51	3/4	1016.59	3/4	732.52	3/4	448.46	3/4	164.77	3/4		3/4			
3		3	3277.89	3	2998.64	3	2714.57	3	2430.51	3	2146.45	3	1862.38	3	1578.32	3	1294.60	3	1010.67	3	726.61	3	442.54	3	158.91	3		3			
1/4		1/4	3273.09	1/4	2992.72	1/4	2708.66	1/4	2424.59	1/4	2140.53	1/4	1856.46	1/4	1572.40	1/4	1288.70	1/4	1004.75	1/4	720.69	1/4	436.62	1/4	153.06	1/4		1/4			
1/2		1/2	3268.28	1/2	2986.80	1/2	2702.74	1/2	2418.67	1/2	2134.61	1/2	1850.55	1/2	1566.48	1/2	1282.79	1/2	998.83	1/2	714.77	1/2	430.71	1/2	147.20	1/2		1/2			
3/4		3/4	3263.47	3/4	2980.88	3/4	2696.82	3/4	2412.76	3/4	2128.69	3/4	1844.63	3/4	1560.56	3/4	1276.88	3/4	992.92	3/4	708.85	3/4	424.79	3/4	141.34	3/4		3/4			
4		4	3257.92	4	2974.97	4	2690.90	4	2406.84	4	2122.77	4	1838.71	4	1554.65	4	1270.97	4	987.00	4	702.93	4	418.87	4	135.49	4		4			
1/4		1/4	3252.37	1/4	2969.05	1/4	2684.98	1/4	2400.92	1/4	2116.86	1/4	1832.79	1/4	1548.73	1/4	1265.06	1/4	981.08	1/4	697.02	1/4	412.95	1/4	129.63	1/4		1/4			
1/2		1/2	3246.83	1/2	2963.13	1/2	2679.07	1/2	2395.00	1/2	2110.94	1/2	1826.87	1/2	1542.81	1/2	1259.16	1/2	975.16	1/2	691.10	1/2	407.03	1/2	123.78	1/2		1/2			
3/4		3/4	3241.28	3/4	2957.21	3/4	2673.15	3/4	2389.08	3/4	2105.02	3/4	1820.96	3/4	1536.89	3/4	1253.25	3/4	969.24	3/4	685.18	3/4	401.12	3/4	117.92	3/4		3/4			
5		5	3235.36	5	2951.29	5	2667.23	5	2383.17	5	2099.10	5	1815.04	5	1530.97	5	1247.34	5	963.33	5	679.26	5	395.20	5	112.06	5		5			
1/4		1/4	3229.44	1/4	2945.38	1/4	2661.31	1/4	2377.25	1/4	2093.18	1/4	1809.12	1/4	1525.06	1/4	1241.43	1/4	957.41	1/4	673.34	1/4	389.28	1/4	106.21	1/4		1/4			
1/2		1/2	3223.52	1/2	2939.46	1/2	2655.39	1/2	2371.33	1/2	2087.27	1/2	1803.20	1/2	1519.14	1/2	1235.52	1/2	951.49	1/2	667.43	1/2	383.36	1/2	100.35	1/2		1/2			
3/4		3/4	3217.61	3/4	2933.54	3/4	2649.48	3/4	2365.41	3/4	2081.35	3/4	1797.28	3/4	1513.22	3/4	1229.62	3/4	945.57	3/4	661.51	3/4	377.44	3/4	94.50	3/4		3/4			
6		6	3211.69	6	2927.62	6	2643.56	6	2359.49	6	2075.43	6	1791.37	6	1507.30	6	1223.71	6	939.65	6	655.59	6	371.53	6	88.64	6		6			
1/4		1/4	3205.77	1/4	2921.70	1/4	2637.64	1/4	2353.58	1/4	2069.51	1/4	1785.45	1/4	1501.38	1/4	1217.80	1/4	933.74	1/4	649.67	1/4	365.61	1/4	82.78	1/4		1/4			
1/2		1/2	3199.85	1/2	2915.79	1/2	2631.72	1/2	2347.66	1/2	2063.59	1/2	1779.53	1/2	1495.48	1/2	1211.88	1/2	927.82	1/2	643.75	1/2	359.69	1/2	76.93	1/2		1/2			
3/4		3/4	3193.93	3/4	2909.87	3/4	2625.80	3/4	2341.74	3/4	2057.68	3/4	1773.61	3/4	1489.57	3/4	1205.96	3/4	921.90	3/4	637.84	3/4	353.77	3/4	71.07	3/4		3/4			
7		7	3188.02	7	2903.95	7	2619.89	7	2335.82	7	2051.76	7	1767.69	7	1483.66	7	1200.05	7	915.98	7	631.92	7	347.85	7	65.22	7		7			
1/4		1/4	3182.10	1/4	2898.03	1/4	2613.97	1/4	2329.90	1/4	2045.84	1/4	1761.78	1/4	1477.75	1/4	1194.13	1/4	910.06	1/4	626.00	1/4	341.94	1/4	59.36	1/4		1/4			
1/2		1/2	3176.18	1/2	2892.11	1/2	2608.05	1/2	2323.99	1/2	2039.92	1/2	1755.86	1/2	1471.84	1/2	1188.21	1/2	904.15	1/2	620.08	1/2	336.02	1/2	54.10	1/2		1/2			
3/4		3/4	3170.26	3/4	2886.20	3/4	2602.13	3/4	2318.07	3/4	2034.00	3/4	1749.94	3/4	1465.94	3/4	1182.29	3/4	898.23	3/4	614.16	3/4	330.10	3/4	48.83	3/4		3/4			
8		8	3164.34	8	2880.28	8	2596.21	8	2312.15	8	2028.09	8	1744.02	8	1460.03	8	1176.37	8	892.31	8	608.25	8	324.18	8	43.57	8		8			
1/4		1/4	3158.43	1/4	2874.36	1/4	2590.30	1/4	2306.33	1/4	2022.17	1/4	1738.10	1/4	1454.12	1/4	1170.46	1/4	886.39	1/4	602.33	1/4	318.26	1/4	38.30	1/4		1/4			
1/2		1/2	3152.51	1/2	2868.44	1/2	2584.38	1/2	2300.31	1/2	2016.25	1/2	1732.19	1/2	1448.21	1/2	1164.56	1/2	880.47	1/2	596.41	1/2	312.35	1/2	34.16	1/2		1/2			
3/4	3335.95	3/4	3146.59	3/4	2862.52	3/4	2578.46	3/4	2294.40	3/4	2010.33	3/4	1726.27	3/4	1442.30	3/4	1158.62	3/4	874.56	3/4	590.49	3/4	306.43	3/4	30.02	3/4		3/4			
9	3335.58	9	3140.67	9	2856.61	9	2572.54	9	2288.48	9	2004.41	9	1720.35	9	1436.40	9	1152.70	9	868.64	9	584.57	9	300.51	9	25.88	9		9			
1/4	3335.22	1/4	3134.75	1/4	2850.69	1/4	2566.62	1/4	2282.56	1/4	1998.50	1/4	1714.43	1/4	1430.49	1/4	1146.78	1/4	862.72	1/4	578.66	1/4	294.59	1/4	21.74	1/4		1/4			
1/2	3334.85	1/2	3128.84	1/2	2844.77	1/2	2560.71	1/2	2276.64	1/2	1992.58	1/2	1708.51	1/2	1424.58	1/2	1140.87	1/2	856.80	1/2	572.74	1/2	288.67	1/2	18.						

MAGNOLIA MARINE - BARGE "MM 70"

OUTAGE TABLE

3 PORT or STAR

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL 4346

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	3319.21	0	3068.87	0	2784.90	0	2500.94	0	2216.97	0	1933.00	0	1649.03	0	1365.27	0	1081.51	0	797.49	0	513.47	0	229.46	0	
1/4		1/4	3316.62	1/4	3062.96	1/4	2778.99	1/4	2495.02	1/4	2211.05	1/4	1927.08	1/4	1643.12	1/4	1359.36	1/4	1075.59	1/4	791.57	1/4	507.56	1/4	223.54	1/4	
1/2		1/2	3314.03	1/2	3057.04	1/2	2773.07	1/2	2489.10	1/2	2205.14	1/2	1921.17	1/2	1637.20	1/2	1353.46	1/2	1069.67	1/2	785.66	1/2	501.64	1/2	218.62	1/2	
3/4		3/4	3311.45	3/4	3051.12	3/4	2767.16	3/4	2483.19	3/4	2199.22	3/4	1915.25	3/4	1631.28	3/4	1347.55	3/4	1063.75	3/4	779.74	3/4	495.72	3/4	211.71	3/4	
1		1	3308.12	1	3045.21	1	2761.24	1	2477.27	1	2193.30	1	1909.34	1	1625.37	1	1341.64	1	1057.84	1	773.82	1	489.81	1	205.79	1	
1/4		1/4	3304.79	1/4	3039.29	1/4	2755.32	1/4	2471.36	1/4	2187.39	1/4	1903.42	1/4	1619.45	1/4	1335.74	1/4	1051.92	1/4	767.90	1/4	483.89	1/4	199.87	1/4	
1/2		1/2	3301.46	1/2	3033.38	1/2	2749.41	1/2	2465.44	1/2	2181.47	1/2	1897.50	1/2	1613.54	1/2	1329.83	1/2	1046.00	1/2	761.99	1/2	477.97	1/2	194.02	1/2	
3/4		3/4	3298.13	3/4	3027.46	3/4	2743.49	3/4	2459.52	3/4	2175.56	3/4	1891.59	3/4	1607.62	3/4	1323.92	3/4	1040.09	3/4	756.07	3/4	472.05	3/4	188.16	3/4	
2		2	3294.06	2	3021.54	2	2737.68	2	2453.61	2	2169.64	2	1885.67	2	1601.70	2	1318.02	2	1034.17	2	750.15	2	466.14	2	182.31	2	
1/4		1/4	3289.99	1/4	3015.63	1/4	2731.66	1/4	2447.69	1/4	2163.72	1/4	1879.76	1/4	1595.79	1/4	1312.11	1/4	1028.25	1/4	744.24	1/4	460.22	1/4	176.45	1/4	
1/2		1/2	3285.93	1/2	3009.71	1/2	2725.74	1/2	2441.78	1/2	2157.81	1/2	1873.84	1/2	1589.87	1/2	1306.20	1/2	1022.34	1/2	738.32	1/2	454.30	1/2	170.60	1/2	
3/4		3/4	3281.86	3/4	3003.80	3/4	2719.83	3/4	2435.86	3/4	2151.89	3/4	1867.92	3/4	1583.96	3/4	1300.29	3/4	1016.42	3/4	732.40	3/4	448.39	3/4	164.74	3/4	
3		3	3277.05	3	2997.88	3	2713.91	3	2429.94	3	2145.98	3	1862.01	3	1578.04	3	1294.39	3	1010.50	3	726.49	3	442.47	3	158.89	3	
1/4		1/4	3272.24	1/4	2991.96	1/4	2708.00	1/4	2424.03	1/4	2140.06	1/4	1856.09	1/4	1572.12	1/4	1288.48	1/4	1004.58	1/4	720.57	1/4	436.55	1/4	153.03	1/4	
1/2		1/2	3267.44	1/2	2986.05	1/2	2702.08	1/2	2418.11	1/2	2134.14	1/2	1850.18	1/2	1566.21	1/2	1282.57	1/2	998.67	1/2	714.65	1/2	430.64	1/2	147.18	1/2	
3/4		3/4	3262.63	3/4	2980.13	3/4	2696.16	3/4	2412.20	3/4	2128.23	3/4	1844.26	3/4	1560.29	3/4	1276.67	3/4	992.75	3/4	708.73	3/4	424.72	3/4	141.32	3/4	
4		4	3257.08	4	2974.22	4	2690.25	4	2406.28	4	2122.31	4	1838.34	4	1554.38	4	1270.76	4	986.83	4	702.82	4	418.80	4	135.47	4	
1/4		1/4	3251.53	1/4	2968.80	1/4	2684.33	1/4	2400.36	1/4	2116.40	1/4	1832.43	1/4	1548.46	1/4	1264.85	1/4	980.92	1/4	696.90	1/4	412.88	1/4	129.61	1/4	
1/2		1/2	3245.99	1/2	2962.38	1/2	2678.42	1/2	2394.45	1/2	2110.48	1/2	1826.51	1/2	1542.54	1/2	1253.04	1/2	975.00	1/2	690.98	1/2	406.97	1/2	123.76	1/2	
3/4		3/4	3240.44	3/4	2956.47	3/4	2672.50	3/4	2388.53	3/4	2104.56	3/4	1820.60	3/4	1536.63	3/4	1247.13	3/4	969.08	3/4	685.07	3/4	401.05	3/4	117.90	3/4	
5		5	3234.52	5	2950.55	5	2666.58	5	2382.62	5	2098.65	5	1814.68	5	1530.71	5	1241.22	5	963.17	5	679.15	5	395.13	5	112.05	5	
1/4		1/4	3228.61	1/4	2944.64	1/4	2660.67	1/4	2376.70	1/4	2092.73	1/4	1808.76	1/4	1524.80	1/4	1235.32	1/4	957.25	1/4	673.23	1/4	389.22	1/4	106.19	1/4	
1/2		1/2	3222.69	1/2	2938.72	1/2	2654.75	1/2	2370.78	1/2	2086.82	1/2	1802.85	1/2	1518.88	1/2	1229.41	1/2	951.33	1/2	667.32	1/2	383.30	1/2	100.34	1/2	
3/4		3/4	3216.77	3/4	2932.80	3/4	2648.84	3/4	2364.87	3/4	2080.90	3/4	1796.93	3/4	1512.96	3/4	1223.50	3/4	945.41	3/4	661.40	3/4	377.38	3/4	94.48	3/4	
6		6	3210.86	6	2926.89	6	2642.92	6	2358.95	6	2074.98	6	1791.02	6	1507.05	6	1223.50	6	939.50	6	655.48	6	371.47	6	88.63	6	
1/4		1/4	3204.94	1/4	2920.97	1/4	2637.00	1/4	2353.04	1/4	2069.07	1/4	1785.10	1/4	1501.13	1/4	1217.60	1/4	933.58	1/4	649.56	1/4	365.55	1/4	82.77	1/4	
1/2		1/2	3199.03	1/2	2915.06	1/2	2631.09	1/2	2347.12	1/2	2063.15	1/2	1779.18	1/2	1495.23	1/2	1211.68	1/2	927.66	1/2	643.65	1/2	359.63	1/2	76.92	1/2	
3/4		3/4	3193.11	3/4	2909.14	3/4	2625.17	3/4	2341.20	3/4	2057.24	3/4	1773.27	3/4	1489.32	3/4	1205.76	3/4	921.75	3/4	637.73	3/4	353.71	3/4	71.06	3/4	
7		7	3187.19	7	2903.22	7	2619.26	7	2335.29	7	2051.22	7	1767.35	7	1483.41	7	1199.85	7	915.83	7	631.81	7	347.80	7	65.21	7	
1/4		1/4	3181.28	1/4	2897.31	1/4	2613.34	1/4	2329.37	1/4	2045.40	1/4	1761.44	1/4	1477.50	1/4	1193.93	1/4	909.91	1/4	625.90	1/4	341.88	1/4	59.35	1/4	
1/2		1/2	3175.36	1/2	2891.39	1/2	2607.42	1/2	2323.46	1/2	2039.49	1/2	1755.52	1/2	1471.60	1/2	1188.01	1/2	904.00	1/2	619.98	1/2	335.96	1/2	54.09	1/2	
3/4		3/4	3169.45	3/4	2885.48	3/4	2601.51	3/4	2317.54	3/4	2033.57	3/4	1749.60	3/4	1465.69	3/4	1182.09	3/4	898.08	3/4	614.06	3/4	330.05	3/4	48.83	3/4	
8		8	3163.53	8	2879.56	8	2595.59	8	2311.62	8	2027.66	8	1743.69	8	1459.78	8	1176.18	8	892.16	8	608.15	8	324.13	8	43.56	8	
1/4		1/4	3157.61	1/4	2873.64	1/4	2589.68	1/4	2305.71	1/4	2021.74	1/4	1737.77	1/4	1453.88	1/4	1170.26	1/4	886.24	1/4	602.23	1/4	318.21	1/4	38.30	1/4	
1/2		1/2	3151.70	1/2	2867.73	1/2	2583.76	1/2	2299.79	1/2	2015.82	1/2	1731.86	1/2	1447.97	1/2	1164.34	1/2	880.33	1/2	596.31	1/2	312.30	1/2	34.16	1/2	
3/4	3335.11	3/4	3145.78	3/4	2861.81	3/4	2577.84	3/4	2293.88	3/4	2009.91	3/4	1725.94	3/4	1442.06	3/4	1158.43	3/4	874.41	3/4	590.39	3/4	306.38	3/4	30.02	3/4	
9	3334.74	9	3139.87	9	2855.90	9	2571.93	9	2287.96	9	2003.99	9	1720.02	9	1436.16	9	1152.51	9	868.49	9	584.48	9	300.46	9	25.88	9	
1/4	3334.37	1/4	3133.95	1/4	2849.98	1/4	2566.01	1/4	2282.04	1/4	1998.08	1/4	1714.11	1/4	1430.25	1/4	1146.59	1/4	862.58	1/4	578.56	1/4	294.54	1/4	21.74	1/4	
1/2	3334.00	1/2	3128.03	1/2	2844.06	1/2	2560.10	1/2	2276.13	1/2	1992.16	1/2	1708.19	1/2	1434.34	1/2	1140.68	1/2	856.66	1/2	572.64	1/2	288.63</				

MAGNOLIA MARINE - BARGE "MM 70"

OUTAGE TABLE

4 PORT

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL 4346

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		13 FEET			
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.	
0		0		0	2638.76	0	2607.10	0	2384.27	0	2126.90	0	1869.52	0	1612.15	0	1354.78	0	1097.87	0	840.50	0	583.12	0	325.75	0	69.69		
1/4	1/4	1/4	2638.13	1/4	2605.99	1/4	2378.91	1/4	2121.54	1/4	1864.16	1/4	1606.78	1/4	1349.43	1/4	1092.51	1/4	835.14	1/4	577.76	1/4	320.38	1/4	64.39				
1/2	1/2	1/2	2637.50	1/2	2603.94	1/2	2373.55	1/2	2116.17	1/2	1858.80	1/2	1601.42	1/2	1344.08	1/2	1087.15	1/2	829.77	1/2	572.40	1/2	315.02	1/2	59.10				
3/4	3/4	3/4	2636.87	3/4	2601.89	3/4	2368.19	3/4	2110.81	3/4	1853.44	3/4	1596.06	3/4	1338.72	3/4	1081.79	3/4	824.41	3/4	567.04	3/4	309.66	3/4	53.80				
1		1		1	2636.24	1	2599.85	1	2362.83	1	2105.45	1	1848.07	1	1590.70	1	1333.37	1	1076.43	1	819.05	1	561.67	1	304.30	1	49.03		
1/4	1/4	1/4	2635.61	1/4	2597.80	1/4	2357.46	1/4	2100.09	1/4	1842.71	1/4	1585.34	1/4	1328.02	1/4	1071.06	1/4	813.69	1/4	556.31	1/4	298.94	1/4	44.27				
1/2	1/2	1/2	2634.98	1/2	2594.80	1/2	2352.10	1/2	2094.73	1/2	1837.35	1/2	1579.97	1/2	1322.67	1/2	1065.70	1/2	808.33	1/2	550.95	1/2	293.57	1/2	39.51				
3/4	3/4	3/4	2634.35	3/4	2591.81	3/4	2346.74	3/4	2089.36	3/4	1831.99	3/4	1574.61	3/4	1317.32	3/4	1060.34	3/4	802.96	3/4	545.59	3/4	288.21	3/4	34.75				
2		2		2	2633.72	2	2588.81	2	2341.38	2	2084.00	2	1826.63	2	1569.25	2	1311.96	2	1054.98	2	797.60	2	540.23	2	282.85	2	31.00		
1/4	1/4	2653.23	1/4	2633.09	1/4	2585.82	1/4	2336.02	1/4	2078.64	1/4	1821.26	1/4	1563.89	1/4	1306.61	1/4	1049.62	1/4	792.24	1/4	534.86	1/4	277.49	1/4	27.24			
1/2	1/2	2653.19	1/2	2632.46	1/2	2581.87	1/2	2330.65	1/2	2073.28	1/2	1815.90	1/2	1558.53	1/2	1301.26	1/2	1044.25	1/2	786.88	1/2	529.50	1/2	272.13	1/2	23.49			
3/4	3/4	2653.15	3/4	2631.83	3/4	2577.93	3/4	2325.29	3/4	2067.92	3/4	1810.54	3/4	1553.16	3/4	1295.91	3/4	1038.89	3/4	781.52	3/4	524.14	3/4	266.76	3/4	19.74			
3		3	2653.11	3	2631.20	3	2573.99	3	2319.93	3	2062.55	3	1805.18	3	1547.80	3	1290.56	3	1033.53	3	776.15	3	518.78	3	261.40	3	71.06		
1/4	1/4	2653.07	1/4	2630.57	1/4	2570.05	1/4	2314.57	1/4	2057.19	1/4	1799.82	1/4	1542.44	1/4	1285.20	1/4	1028.17	1/4	770.79	1/4	513.42	1/4	256.04	1/4	14.37			
1/2	1/2	2652.95	1/2	2629.94	1/2	2565.16	1/2	2309.21	1/2	2051.83	1/2	1794.45	1/2	1537.08	1/2	1279.85	1/2	1022.81	1/2	765.43	1/2	508.05	1/2	250.68	1/2	11.69			
3/4	3/4	2652.84	3/4	2629.31	3/4	2560.27	3/4	2303.84	3/4	2046.47	3/4	1789.64	3/4	1531.72	3/4	1274.50	3/4	1017.44	3/4	760.07	3/4	502.69	3/4	245.32	3/4	9.01			
4		4	2652.72	4	2628.68	4	2555.38	4	2298.48	4	2041.11	4	1783.73	4	1526.35	4	1269.15	4	1012.08	4	754.71	4	497.33	4	239.95	4	*7.40		
1/4	1/4	2652.60	1/4	2628.05	1/4	2550.50	1/4	2293.12	1/4	2035.71	1/4	1778.37	1/4	1520.99	1/4	1263.80	1/4	1006.72	1/4	749.34	1/4	491.97	1/4	234.59	1/4				
1/2	1/2	2652.41	1/2	2627.42	1/2	2545.13	1/2	2287.76	1/2	2030.28	1/2	1773.01	1/2	1515.63	1/2	1258.44	1/2	1001.36	1/2	743.98	1/2	486.61	1/2	229.23	1/2				
3/4	3/4	2652.21	3/4	2626.79	3/4	2539.77	3/4	2282.40	3/4	2025.02	3/4	1767.64	3/4	1510.27	3/4	1253.09	3/4	996.00	3/4	738.62	3/4	481.24	3/4	223.87	3/4				
5		5	2652.01	5	2626.16	5	2534.41	5	2277.03	5	2019.66	5	1762.28	5	1504.91	5	1247.74	5	990.63	5	733.26	5	475.88	5	218.51	5			
1/4	1/4	2651.82	1/4	2625.53	1/4	2529.05	1/4	2271.67	1/4	2014.30	1/4	1756.92	1/4	1499.54	1/4	1242.39	1/4	985.27	1/4	727.90	1/4	470.52	1/4	213.14	1/4				
1/2	1/2	2651.54	1/2	2624.90	1/2	2523.69	1/2	2266.31	1/2	2008.93	1/2	1751.56	1/2	1494.18	1/2	1237.04	1/2	979.91	1/2	722.53	1/2	465.16	1/2	207.78	1/2				
3/4	3/4	2651.27	3/4	2624.27	3/4	2518.32	3/4	2260.95	3/4	2003.57	3/4	1746.20	3/4	1488.82	3/4	1231.68	3/4	974.55	3/4	717.17	3/4	459.80	3/4	202.42	3/4				
6		6	2650.99	6	2623.64	6	2512.96	6	2255.59	6	1998.21	6	1740.83	6	1483.46	6	1226.33	6	969.19	6	711.81	6	454.43	6	197.06	6			
1/4	1/4	2650.72	1/4	2623.01	1/4	2507.60	1/4	2250.22	1/4	1992.85	1/4	1735.47	1/4	1478.10	1/4	1220.98	1/4	963.82	1/4	706.45	1/4	449.07	1/4	191.70	1/4				
1/2	1/2	2650.36	1/2	2622.37	1/2	2502.24	1/2	2244.86	1/2	1987.49	1/2	1730.11	1/2	1472.73	1/2	1215.63	1/2	958.46	1/2	701.09	1/2	443.71	1/2	186.33	1/2				
3/4	3/4	2650.01	3/4	2621.74	3/4	2496.88	3/4	2239.50	3/4	1982.12	3/4	1724.75	3/4	1467.37	3/4	1210.28	3/4	953.10	3/4	695.72	3/4	438.35	3/4	180.97	3/4				
7		7	2649.66	7	2621.11	7	2491.51	7	2234.14	7	1976.76	7	1719.39	7	1462.01	7	1204.92	7	947.74	7	690.36	7	432.99	7	175.67	7			
1/4	1/4	2649.30	1/4	2620.48	1/4	2486.15	1/4	2228.78	1/4	1971.40	1/4	1714.02	1/4	1456.65	1/4	1199.57	1/4	942.38	1/4	685.00	1/4	427.62	1/4	170.37	1/4				
1/2	1/2	2648.87	1/2	2619.85	1/2	2480.79	1/2	2223.41	1/2	1966.40	1/2	1708.66	1/2	1451.29	1/2	1194.22	1/2	937.01	1/2	679.64	1/2	422.26	1/2	165.08	1/2				
3/4	3/4	2648.44	3/4	2619.22	3/4	2475.43	3/4	2218.05	3/4	1960.68	3/4	1703.30	3/4	1445.92	3/4	1188.87	3/4	931.65	3/4	674.28	3/4	416.90	3/4	159.78	3/4				
8		8	2648.00	8	2618.59	8	2470.07	8	2212.69	8	1955.31	8	1697.94	8	1440.56	8	1183.52	8	926.29	8	668.91	8	411.54	8	154.48	8			
1/4	1/4	2647.57	1/4	2617.96	1/4	2464.70	1/4	2207.33	1/4	1949.95	1/4	1692.58	1/4	1435.20	1/4	1178.16	1/4	920.93	1/4	663.55	1/4	406.18	1/4	149.18	1/4				
1/2	1/2	2647.06	1/2	2617.33	1/2	2459.34	1/2	2201.97	1/2	1944.59	1/2	1687.21	1/2	1429.84	1/2	1172.81	1/2	915.57	1/2	658.19	1/2	400.81	1/2	143.88	1/2				
3/4	3/4	2646.55	3/4	2616.70	3/4	2453.98	3/4	2196.60	3/4	1939.23	3/4	1681.85	3/4	1424.48	3/4	1167.46	3/4	910.20	3/4	652.83	3/4	395.45	3/4	138.58	3/4				
9		9	2646.04	9	2616.07	9	2448.62	9	2191.24	9	1933.87	9	1676.49	9	1419.11	9	1162.11	9	904.84	9	647.47	9	390.09	9	133.28	9			
1/4	1/4	2645.53	1/4	2615.44	1/4	2443.26	1/4	2185.88	1/4	1928.50	1/4	1671.13	1/4	1413.75	1/4	1156.76	1/4	899.48	1/4	642.10	1/4	384.73	1/4	127.98	1/4				
1/2	1/2	2644.94	1/2	2614.81	1/2	2437.89	1/2	2180.52	1/2	1923.14	1/2	1665.77	1/2	1408.39	1/2	1151.40	1/2	894.12	1/2	636.74	1/2	379.37	1/2	122.68	1/2				
3/4	3/4	2644.35	3/4	2614.18	3/4	2432.53	3/4	2175.16</																					

MAGNOLIA MARINE - BARGE "MM 70"

OUTAGE TABLE

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

4 STAR

HULL 4346

0 FEET		1 FEET		2 FEET		3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		8 FEET		9 FEET		10 FEET		11 FEET		13 FEET		FEET					
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.	
0		0		0	2638.76	0	2607.10	0	2384.27	0	2126.90	0	1869.52	0	1612.15	0	1354.78	0	1097.87	0	840.50	0	583.12	0	325.75	0	69.69				
1/4	1/4	1/4	2638.13	1/4	2605.99	1/4	2378.91	1/4	2121.16	1/4	1864.16	1/4	1606.78	1/4	1349.43	1/4	1092.51	1/4	825.14	1/4	577.76	1/4	320.38	1/4	64.39						
1/2	1/2	1/2	2637.50	1/2	2603.94	1/2	2373.55	1/2	2116.17	1/2	1858.80	1/2	1601.42	1/2	1344.08	1/2	1087.15	1/2	829.77	1/2	572.40	1/2	315.02	1/2	59.10						
3/4	3/4	3/4	2636.87	3/4	2601.89	3/4	2368.19	3/4	2110.81	3/4	1853.44	3/4	1596.06	3/4	1338.72	3/4	1081.79	3/4	824.41	3/4	567.04	3/4	309.66	3/4	53.80						
1		1		1	2636.24	1	2599.85	1	2362.83	1	2105.45	1	1848.07	1	1590.70	1	1333.37	1	1076.43	1	819.05	1	561.67	1	304.30	1	49.03				
1/4	1/4	1/4	2635.61	1/4	2597.80	1/4	2357.46	1/4	2100.09	1/4	1842.71	1/4	1585.34	1/4	1328.02	1/4	1071.06	1/4	813.69	1/4	556.31	1/4	298.94	1/4	44.27						
1/2	1/2	1/2	2634.98	1/2	2594.80	1/2	2352.10	1/2	2094.73	1/2	1837.35	1/2	1579.97	1/2	1322.67	1/2	1065.70	1/2	808.33	1/2	550.95	1/2	293.57	1/2	39.51						
3/4	3/4	3/4	2634.35	3/4	2591.81	3/4	2346.74	3/4	2089.36	3/4	1831.99	3/4	1574.61	3/4	1317.32	3/4	1060.34	3/4	802.96	3/4	545.59	3/4	288.21	3/4	34.75						
2		2		2	2633.72	2	2588.81	2	2341.38	2	2084.00	2	1826.63	2	1569.25	2	1311.96	2	1054.98	2	797.60	2	540.23	2	282.85	2	31.00				
1/4	1/4	2653.23	1/4	2633.09	1/4	2585.82	1/4	2336.02	1/4	2078.64	1/4	1821.26	1/4	1563.89	1/4	1306.61	1/4	1049.62	1/4	792.24	1/4	534.86	1/4	277.49	1/4	27.24					
1/2	1/2	2653.19	1/2	2632.46	1/2	2581.87	1/2	2330.65	1/2	2073.28	1/2	1815.90	1/2	1558.53	1/2	1301.26	1/2	1044.25	1/2	786.88	1/2	529.50	1/2	272.13	1/2	23.49					
3/4	3/4	2653.15	3/4	2631.83	3/4	2577.93	3/4	2325.29	3/4	2067.92	3/4	1810.54	3/4	1553.16	3/4	1295.91	3/4	1038.89	3/4	781.52	3/4	524.14	3/4	266.76	3/4	19.74					
3		3	2653.11	3	2631.20	3	2573.99	3	2319.93	3	2062.55	3	1805.18	3	1547.80	3	1290.56	3	1033.53	3	776.15	3	518.78	3	261.40	3	17.06				
1/4	1/4	2653.07	1/4	2630.57	1/4	2570.05	1/4	2314.57	1/4	2057.19	1/4	1799.82	1/4	1542.44	1/4	1285.20	1/4	1028.17	1/4	770.79	1/4	513.42	1/4	256.04	1/4	14.37					
1/2	1/2	2653.95	1/2	2629.94	1/2	2565.16	1/2	2309.21	1/2	2051.83	1/2	1794.45	1/2	1537.08	1/2	1279.85	1/2	1022.81	1/2	765.43	1/2	508.05	1/2	250.68	1/2	11.69					
3/4	3/4	2652.84	3/4	2629.31	3/4	2560.27	3/4	2303.84	3/4	2046.47	3/4	1789.09	3/4	1531.72	3/4	1274.50	3/4	1017.44	3/4	760.07	3/4	502.69	3/4	245.32	3/4	9.01					
4		4	2652.72	4	2628.68	4	2555.38	4	2298.48	4	2041.11	4	1783.73	4	1526.35	4	1269.15	4	1012.08	4	754.71	4	497.33	4	239.95	4	7.40				
1/4	1/4	2652.60	1/4	2628.05	1/4	2550.50	1/4	2293.12	1/4	2035.74	1/4	1778.37	1/4	1520.99	1/4	1263.80	1/4	1006.72	1/4	749.34	1/4	491.97	1/4	234.59	1/4	5.79					
1/2	1/2	2652.41	1/2	2627.42	1/2	2545.13	1/2	2287.76	1/2	2030.38	1/2	1773.01	1/2	1515.63	1/2	1258.44	1/2	1001.36	1/2	743.98	1/2	486.61	1/2	229.23	1/2	4.19					
3/4	3/4	2652.21	3/4	2626.79	3/4	2539.77	3/4	2282.40	3/4	2025.02	3/4	1767.64	3/4	1510.27	3/4	1253.09	3/4	996.00	3/4	738.62	3/4	481.24	3/4	223.87	3/4	*2.58					
5		5	2652.01	5	2626.16	5	2534.41	5	2277.03	5	2019.66	5	1762.28	5	1504.91	5	1247.74	5	990.63	5	733.26	5	475.88	5	218.51	5					
1/4	1/4	2651.82	1/4	2625.53	1/4	2529.05	1/4	2271.67	1/4	2014.30	1/4	1756.92	1/4	1499.54	1/4	1242.39	1/4	985.27	1/4	727.90	1/4	470.52	1/4	213.14	1/4						
1/2	1/2	2651.54	1/2	2624.90	1/2	2523.69	1/2	2266.31	1/2	2008.93	1/2	1751.56	1/2	1494.18	1/2	1237.04	1/2	979.91	1/2	722.53	1/2	465.16	1/2	207.78	1/2						
3/4	3/4	2651.27	3/4	2624.27	3/4	2518.32	3/4	2260.95	3/4	2003.57	3/4	1746.20	3/4	1488.82	3/4	1231.68	3/4	974.55	3/4	717.17	3/4	459.80	3/4	202.42	3/4						
6		6	2650.99	6	2623.64	6	2512.96	6	2255.59	6	1998.21	6	1740.83	6	1483.46	6	1226.33	6	969.19	6	711.81	6	454.43	6	197.06	6					
1/4	1/4	2650.72	1/4	2623.01	1/4	2507.60	1/4	2250.22	1/4	1992.85	1/4	1735.47	1/4	1478.10	1/4	1220.98	1/4	963.82	1/4	706.45	1/4	449.07	1/4	191.70	1/4						
1/2	1/2	2650.36	1/2	2622.37	1/2	2502.24	1/2	2244.86	1/2	1987.49	1/2	1730.11	1/2	1472.73	1/2	1215.63	1/2	958.46	1/2	701.09	1/2	443.71	1/2	186.33	1/2						
3/4	3/4	2650.01	3/4	2621.74	3/4	2496.88	3/4	2239.50	3/4	1982.12	3/4	1724.75	3/4	1467.37	3/4	1210.28	3/4	953.10	3/4	695.72	3/4	438.35	3/4	180.97	3/4						
7		7	2649.66	7	2621.11	7	2491.51	7	2234.14	7	1976.76	7	1719.39	7	1462.01	7	1204.92	7	947.74	7	690.36	7	432.99	7	175.67	7					
1/4	1/4	2649.30	1/4	2620.48	1/4	2486.15	1/4	2228.78	1/4	1971.40	1/4	1714.02	1/4	1456.65	1/4	1199.57	1/4	942.38	1/4	685.00	1/4	427.62	1/4	170.37	1/4						
1/2	1/2	2648.87	1/2	2619.85	1/2	2480.79	1/2	2223.41	1/2	1966.06	1/2	1708.66	1/2	1451.29	1/2	1194.22	1/2	937.01	1/2	679.64	1/2	422.26	1/2	165.08	1/2						
3/4	3/4	2648.44	3/4	2619.22	3/4	2475.43	3/4	2218.05	3/4	1960.68	3/4	1703.30	3/4	1445.92	3/4	1188.87	3/4	931.65	3/4	674.28	3/4	416.90	3/4	159.78	3/4						
8		8	2648.00	8	2618.59	8	2470.07	8	2212.69	8	1955.31	8	1697.94	8	1440.56	8	1183.52	8	926.29	8	668.91	8	411.54	8	154.48	8					
1/4	1/4	2647.57	1/4	2617.96	1/4	2464.70	1/4	2207.33	1/4	1949.95	1/4	1692.58	1/4	1435.20	1/4	1178.16	1/4	920.93	1/4	663.55	1/4	406.18	1/4	149.18	1/4						
1/2	1/2	2647.06	1/2	2617.33	1/2	2459.34	1/2	2201.97	1/2	1944.59	1/2	1687.21	1/2	1429.84	1/2	1172.81	1/2	915.57	1/2	658.19	1/2	400.81	1/2	143.88	1/2						
3/4	3/4	2646.55	3/4	2616.70	3/4	2453.98	3/4	2196.60	3/4	1939.23	3/4	1681.85	3/4	1424.48	3/4	1167.46	3/4	910.20	3/4	652.83	3/4	395.45	3/4	138.58	3/4						
9		9	2646.04	9	2616.07	9	2448.62	9	2191.24	9	1933.87	9	1676.49	9	1419.11	9	1162.11	9	904.84	9	647.47	9	390.09	9	133.28	9					
1/4	1/4	2645.53	1/4	2615.44	1/4	2443.26	1/4	2185.88	1/4	1928.50	1/4	1671.13	1/4	1413.75	1/4	1156.76	1/4	899.48	1/4	642.10	1/4	384.73	1/4	127.98	1/4						
1/2	1/2	2644.94	1/2	2614.81	1/2	2437.89	1/2	2180.52	1/2	1923.14	1/2	1665.77	1/2	1408.39	1/2	1151.40	1/2	894.12	1/2	636.74	1/2	379.37	1/2	122.68	1/2					</	