

BARGE "MM-38"

MAGNOLIA MARINE

HULL NO. 4590

CORRECTION TABLE FOR TRIM AFT.

FOR INNAGE GAUGES ONLY

TRIM	TANKS NO. 1 PORT OR STAR.	TANKS NO. 2 PORT OR STAR.	TANKS NO. 3 PORT OR STAR.	TANKS NO. 4 PORT OR STAR.
0'-6"	NIL	(+) 0' - 0 1/8"	(+) 0' - 0 1/8"	NIL
1'-0"	NIL	(+) 0' - 0 1/4"	(+) 0' - 0 1/4"	(+) 0' - 0 1/8"
1'-6"	NIL	(+) 0' - 0 3/8"	(+) 0' - 0 1/2"	(+) 0' - 0 1/8"
2'-0"	NIL	(+) 0' - 0 3/8"	(+) 0' - 0 5/8"	(+) 0' - 0 1/8"
2'-6"	NIL	(+) 0' - 0 1/2"	(+) 0' - 0 3/4"	(+) 0' - 0 1/8"
3'-0"	NIL	(+) 0' - 0 5/8"	(+) 0' - 0 7/8"	(+) 0' - 0 1/4"
3'-6"	NIL	(+) 0' - 0 3/4"	(+) 0' - 1"	(+) 0' - 0 1/4"
4'-0"	NIL	(+) 0' - 0 7/8"	(+) 0' - 1 1/4"	(+) 0' - 0 1/4"
4'-6"	NIL	(+) 0' - 1"	(+) 0' - 1 3/8"	(+) 0' - 0 3/8"
5'-0"	NIL	(+) 0' - 1 1/8"	(+) 0' - 1 1/2"	(+) 0' - 0 3/8"

NOTE: FOR TRIM FWD., REVERSE SIGNS.

NOTE: IF LIQUID SURFACE TOUCHES TANK BOTTOM OR DECK WHEN GAUGED,
TRIM CORRECTIONS ARE NOT ACCURATE.

NOTE: FOR "OUTAGE" GAUGES, REVERSE SIGNS.

DATE: 6/25/08 BY: _____

INSPECTORATE AMERICA CORPORATION



BARGE "MM-38" MAGNOLIA MARINE

INNAGE TABLE

1 PORT OR STAR

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

HULL NO. 4590

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.	
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
0	* 12.20	0	215.84	0	457.09	0	710.48	0	963.88	0	1,217.27	0	1,470.66	0	1,724.05	0	1,977.44	0	2,230.84	0	2,484.23	0	2,706.48	0		0			
1/4	14.99	1/4	220.59	1/4	462.37	1/4	715.76	1/4	969.15	1/4	1,222.55	1/4	1,475.94	1/4	1,729.33	1/4	1,982.72	1/4	2,236.12	1/4	2,489.51	1/4	2,709.24	1/4		1/4			
1/2	17.78	1/2	225.33	1/2	467.65	1/2	721.04	1/2	974.43	1/2	1,227.83	1/2	1,481.22	1/2	1,734.61	1/2	1,988.00	1/2	2,241.39	1/2	2,494.79	1/2	2,712.01	1/2		1/2			
3/4	20.57	3/4	230.07	3/4	472.93	3/4	726.32	3/4	979.71	3/4	1,233.11	3/4	1,486.50	3/4	1,739.89	3/4	1,993.28	3/4	2,246.67	3/4	2,500.07	3/4	2,713.77	3/4		3/4			
1	23.36	1	234.81	1	478.21	1	731.60	1	984.99	1	1,238.38	1	1,491.78	1	1,745.17	1	1,998.56	1	2,251.95	1	2,505.34	1	2,715.53	1		1			
1/4	27.06	1/4	239.55	1/4	483.49	1/4	736.88	1/4	990.27	1/4	1,243.66	1/4	1,497.06	1/4	1,750.45	1/4	2,003.84	1/4	2,257.23	1/4	2,510.62	1/4	2,717.29	1/4		1/4			
1/2	30.75	1/2	244.30	1/2	488.77	1/2	742.16	1/2	995.55	1/2	1,248.94	1/2	1,502.33	1/2	1,755.73	1/2	2,009.12	1/2	2,262.51	1/2	2,515.90	1/2	2,719.05	1/2		1/2			
3/4	34.44	3/4	249.04	3/4	494.04	3/4	747.44	3/4	1,000.83	3/4	1,254.22	3/4	1,507.61	3/4	1,761.01	3/4	2,014.40	3/4	2,267.79	3/4	2,521.18	3/4	2,720.81	3/4		3/4			
2	38.13	2	253.78	2	499.32	2	752.72	2	1,006.11	2	1,259.50	2	1,512.89	2	1,766.28	2	2,019.68	2	2,273.07	2	2,526.46	2	2,722.57	2		2			
1/4	42.28	1/4	258.52	1/4	504.60	1/4	757.99	1/4	1,011.39	1/4	1,264.78	1/4	1,518.17	1/4	1,771.56	1/4	2,024.96	1/4	2,278.35	1/4	2,531.74	1/4	2,724.33	1/4		1/4			
1/2	46.42	1/2	263.26	1/2	509.88	1/2	763.27	1/2	1,016.67	1/2	1,270.06	1/2	1,523.45	1/2	1,776.84	1/2	2,030.23	1/2	2,283.63	1/2	2,537.02	1/2	2,726.09	1/2		1/2			
3/4	50.56	3/4	268.01	3/4	515.16	3/4	768.55	3/4	1,021.95	3/4	1,275.34	3/4	1,528.73	3/4	1,782.12	3/4	2,035.51	3/4	2,288.91	3/4	2,542.30	3/4	2,726.84	3/4		3/4			
3	54.70	3	272.75	3	520.44	3	773.83	3	1,027.22	3	1,280.62	3	1,534.01	3	1,787.40	3	2,040.79	3	2,294.18	3	2,547.58	3	2,727.60	3		3			
1/4	58.85	1/4	277.49	1/4	525.72	1/4	779.11	1/4	1,032.50	1/4	1,285.90	1/4	1,539.29	1/4	1,792.68	1/4	2,046.07	1/4	2,299.46	1/4	2,552.86	1/4	2,728.35	1/4		1/4			
1/2	62.99	1/2	282.23	1/2	531.00	1/2	784.39	1/2	1,037.78	1/2	1,291.17	1/2	1,544.57	1/2	1,797.96	1/2	2,051.35	1/2	2,304.74	1/2	2,558.13	1/2	2,729.11	1/2		1/2			
3/4	67.13	3/4	286.97	3/4	536.28	3/4	789.67	3/4	1,043.06	3/4	1,296.45	3/4	1,549.85	3/4	1,803.24	3/4	2,056.63	3/4	2,310.02	3/4	2,563.41	3/4	2,729.86	3/4		3/4			
4	71.28	4	291.72	4	541.56	4	794.95	4	1,048.34	4	1,301.73	4	1,555.12	4	1,808.52	4	2,061.91	4	2,315.30	4	2,568.69	4	2,730.61	4		4			
1/4	75.72	1/4	296.85	1/4	546.83	1/4	800.23	1/4	1,053.62	1/4	1,307.01	1/4	1,560.40	1/4	1,813.80	1/4	2,067.19	1/4	2,320.58	1/4	2,573.97	1/4	2,731.37	1/4		1/4			
1/2	80.16	1/2	301.98	1/2	552.11	1/2	805.51	1/2	1,058.90	1/2	1,312.29	1/2	1,565.68	1/2	1,819.07	1/2	2,072.47	1/2	2,325.86	1/2	2,579.25	1/2	2,732.12	1/2		1/2			
3/4	84.61	3/4	307.11	3/4	557.39	3/4	810.78	3/4	1,064.18	3/4	1,317.57	3/4	1,570.96	3/4	1,824.35	3/4	2,077.75	3/4	2,331.14	3/4	2,584.53	3/4	2,732.25	3/4		3/4			
5	89.05	5	312.24	5	562.67	5	816.06	5	1,069.46	5	1,322.85	5	1,576.24	5	1,829.63	5	2,083.02	5	2,336.42	5	2,589.81	5	2,732.37	5		5			
1/4	93.49	1/4	317.37	1/4	567.95	1/4	821.34	1/4	1,074.74	1/4	1,328.13	1/4	1,581.52	1/4	1,834.91	1/4	2,088.30	1/4	2,341.70	1/4	2,595.09	1/4		1/4		1/4			
1/2	97.93	1/2	322.50	1/2	573.23	1/2	826.62	1/2	1,080.01	1/2	1,333.41	1/2	1,586.80	1/2	1,840.19	1/2	2,093.58	1/2	2,346.97	1/2	2,600.37	1/2		1/2		1/2			
3/4	102.38	3/4	327.63	3/4	578.51	3/4	831.90	3/4	1,085.29	3/4	1,338.69	3/4	1,592.08	3/4	1,845.47	3/4	2,098.86	3/4	2,352.25	3/4	2,605.65	3/4		3/4		3/4			
6	106.82	6	332.76	6	583.79	6	837.18	6	1,090.57	6	1,343.96	6	1,597.36	6	1,850.75	6	2,104.14	6	2,357.53	6	2,610.92	6		6		6			
1/4	111.26	1/4	337.90	1/4	589.07	1/4	842.46	1/4	1,095.85	1/4	1,349.24	1/4	1,602.64	1/4	1,856.03	1/4	2,109.42	1/4	2,362.81	1/4	2,616.20	1/4		1/4		1/4			
1/2	115.71	1/2	343.03	1/2	594.35	1/2	847.74	1/2	1,101.13	1/2	1,354.52	1/2	1,607.91	1/2	1,861.31	1/2	2,114.70	1/2	2,368.09	1/2	2,621.48	1/2		1/2		1/2			
3/4	120.15	3/4	348.16	3/4	599.62	3/4	853.02	3/4	1,106.41	3/4	1,359.80	3/4	1,613.19	3/4	1,866.59	3/4	2,119.98	3/4	2,373.37	3/4	2,626.26	3/4		3/4		3/4			
7	124.59	7	353.29	7	604.90	7	858.30	7	1,111.69	7	1,365.08	7	1,618.47	7	1,871.86	7	2,125.26	7	2,378.65	7	2,631.04	7		7		7			
1/4	129.04	1/4	358.42	1/4	610.18	1/4	863.57	1/4	1,116.97	1/4	1,370.36	1/4	1,623.75	1/4	1,877.14	1/4	2,130.54	1/4	2,383.93	1/4	2,635.82	1/4		1/4		1/4			
1/2	133.48	1/2	363.55	1/2	615.46	1/2	868.85	1/2	1,122.25	1/2	1,375.64	1/2	1,629.03	1/2	1,882.42	1/2	2,135.81	1/2	2,389.21	1/2	2,640.59	1/2		1/2		1/2			
3/4	137.92	3/4	368.68	3/4	620.74	3/4	874.13	3/4	1,127.53	3/4	1,380.92	3/4	1,634.31	3/4	1,887.70	3/4	2,141.09	3/4	2,394.49	3/4	2,645.37	3/4		3/4		3/4			
8	142.36	8	373.81	8	626.02	8	879.41	8	1,132.80	8	1,386.20	8	1,639.59	8	1,892.98	8	2,146.37	8	2,399.76	8	2,650.15	8		8		8			
1/4	146.81	1/4	378.94	1/4	631.30	1/4	884.69	1/4	1,138.08	1/4	1,391.48	1/4	1,644.87	1/4	1,898.26	1/4	2,151.65	1/4	2,405.04	1/4	2,654.93	1/4		1/4		1/4			
1/2	151.25	1/2	384.07	1/2	636.58	1/2	889.97	1/2	1,143.36	1/2	1,396.75	1/2	1,650.15	1/2	1,903.54	1/2	2,156.93	1/2	2,410.32	1/2	2,659.71	1/2		1/2		1/2			
3/4	155.69	3/4	389.21	3/4	641.86	3/4	895.25	3/4	1,148.64	3/4	1,402.03	3/4	1,655.43	3/4	1,908.82	3/4	2,162.21	3/4	2,415.60	3/4	2,663.48	3/4		3/4		3/4			
9	160.14	9	394.34	9	647.14	9	900.53	9	1,153.92	9	1,407.31	9	1,660.70	9	1,914.10	9	2,167.49	9	2,420.88	9	2,667.25	9		9		9			
1/4	164.58	1/4	399.47	1/4	652.41	1/4	905.81	1/4	1,159.20	1/4	1,412.59	1/4	1,665.98	1/4	1,919.38	1/4	2,172.77	1/4	2,426.16	1/4	2,671.02	1/4		1/4		1/4			
1/2	169.02	1/2	404.60	1/2	657.69	1/2	911.09	1/2	1,164.48	1/2	1,417.87	1/2	1,671.26	1/2	1,924.65														



BARGE "MM-38" MAGNOLIA MARINE

INNAGE TABLE

2 PORT OR STAR

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

HULL NO. 4590

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		
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	
0	11.56	0	274.16	0	551.80	0	829.43	0	1,107.06	0	1,384.69	0	1,662.32	0	1,939.96	0	2,217.59	0	2,495.22	0	2,772.85	0	3,016.58	0		0				
1/4	15.10	1/4	279.95	1/4	557.58	1/4	835.21	1/4	1,112.84	1/4	1,390.48	1/4	1,668.11	1/4	1,945.74	1/4	2,223.37	1/4	2,501.00	1/4	2,778.64	1/4	3,019.61	1/4		1/4				
1/2	18.63	1/2	285.73	1/2	563.36	1/2	841.00	1/2	1,118.63	1/2	1,396.26	1/2	1,673.89	1/2	1,951.52	1/2	2,229.16	1/2	2,506.79	1/2	2,784.42	1/2	3,022.65	1/2		1/2				
3/4	22.16	3/4	291.52	3/4	569.15	3/4	846.78	3/4	1,124.41	3/4	1,402.04	3/4	1,679.68	3/4	1,957.31	3/4	2,234.94	3/4	2,512.57	3/4	2,790.20	3/4	3,024.59	3/4		3/4				
1	25.69	1	297.30	1	574.93	1	852.56	1	1,130.20	1	1,407.83	1	1,685.46	1	1,963.09	1	2,240.72	1	2,518.36	1	2,795.99	1	3,026.52	1		1				
1/4	30.67	1/4	303.08	1/4	580.72	1/4	858.35	1/4	1,135.98	1/4	1,413.61	1/4	1,691.24	1/4	1,968.88	1/4	2,246.51	1/4	2,524.14	1/4	2,801.77	1/4	3,028.45	1/4		1/4				
1/2	35.65	1/2	308.87	1/2	586.50	1/2	864.13	1/2	1,141.76	1/2	1,419.40	1/2	1,697.03	1/2	1,974.66	1/2	2,252.29	1/2	2,529.92	1/2	2,807.56	1/2	3,030.38	1/2		1/2				
3/4	40.63	3/4	314.65	3/4	592.28	3/4	869.92	3/4	1,147.55	3/4	1,425.18	3/4	1,702.81	3/4	1,980.44	3/4	2,258.08	3/4	2,535.71	3/4	2,813.34	3/4	3,032.32	3/4		3/4				
2	45.61	2	320.44	2	598.07	2	875.70	2	1,153.33	2	1,430.96	2	1,708.60	2	1,986.23	2	2,263.86	2	2,541.49	2	2,819.12	2	3,034.25	2		2				
1/4	51.32	1/4	326.22	1/4	603.85	1/4	881.48	1/4	1,159.12	1/4	1,436.75	1/4	1,714.38	1/4	1,992.01	1/4	2,269.64	1/4	2,547.28	1/4	2,824.91	1/4	3,036.18	1/4		1/4				
1/2	57.02	1/2	332.00	1/2	609.64	1/2	887.27	1/2	1,164.90	1/2	1,442.53	1/2	1,720.16	1/2	1,997.80	1/2	2,275.43	1/2	2,553.06	1/2	2,830.69	1/2	3,038.12	1/2		1/2				
3/4	62.73	3/4	337.79	3/4	615.42	3/4	893.05	3/4	1,170.68	3/4	1,448.32	3/4	1,725.95	3/4	2,003.58	3/4	2,281.21	3/4	2,558.84	3/4	2,836.48	3/4	3,038.94	3/4		3/4				
3	68.44	3	343.57	3	621.20	3	898.84	3	1,176.47	3	1,454.10	3	1,731.73	3	2,009.36	3	2,287.00	3	2,564.63	3	2,842.26	3	3,039.77	3		3				
1/4	74.14	1/4	349.36	1/4	626.99	1/4	904.62	1/4	1,182.25	1/4	1,459.88	1/4	1,737.52	1/4	2,015.15	1/4	2,292.78	1/4	2,570.41	1/4	2,848.04	1/4	3,040.60	1/4		1/4				
1/2	79.85	1/2	355.14	1/2	632.77	1/2	910.40	1/2	1,188.04	1/2	1,465.67	1/2	1,743.30	1/2	2,020.93	1/2	2,298.56	1/2	2,576.20	1/2	2,853.83	1/2	3,041.43	1/2		1/2				
3/4	85.55	3/4	360.92	3/4	638.56	3/4	916.19	3/4	1,193.82	3/4	1,471.45	3/4	1,749.08	3/4	2,026.72	3/4	2,304.35	3/4	2,581.98	3/4	2,859.61	3/4	3,042.26	3/4		3/4				
4	91.26	4	366.71	4	644.34	4	921.97	4	1,199.60	4	1,477.24	4	1,754.87	4	2,032.50	4	2,310.13	4	2,587.76	4	2,865.40	4	3,043.08	4		4				
1/4	96.97	1/4	372.49	1/4	650.12	1/4	927.76	1/4	1,205.39	1/4	1,483.02	1/4	1,760.65	1/4	2,038.28	1/4	2,315.92	1/4	2,593.55	1/4	2,871.18	1/4	3,043.91	1/4		1/4				
1/2	102.67	1/2	378.28	1/2	655.91	1/2	933.54	1/2	1,211.17	1/2	1,488.80	1/2	1,766.44	1/2	2,044.07	1/2	2,321.70	1/2	2,599.33	1/2	2,876.96	1/2	3,044.74	1/2		1/2				
3/4	108.38	3/4	384.06	3/4	661.69	3/4	939.32	3/4	1,216.96	3/4	1,494.59	3/4	1,772.22	3/4	2,049.85	3/4	2,327.48	3/4	2,605.12	3/4	2,882.75	3/4	3,044.88	3/4		3/4				
5	114.08	5	389.84	5	667.48	5	945.11	5	1,222.74	5	1,500.37	5	1,778.00	5	2,055.64	5	2,333.27	5	2,610.90	5	2,888.53	5	3,045.02	5		5				
1/4	119.79	1/4	395.63	1/4	673.26	1/4	950.89	1/4	1,228.52	1/4	1,506.16	1/4	1,783.79	1/4	2,061.42	1/4	2,339.05	1/4	2,616.68	1/4	2,894.32	1/4		1/4		1/4				
1/2	125.50	1/2	401.41	1/2	679.04	1/2	956.68	1/2	1,234.31	1/2	1,511.94	1/2	1,789.57	1/2	2,067.20	1/2	2,344.84	1/2	2,622.47	1/2	2,900.10	1/2		1/2		1/2				
3/4	131.20	3/4	407.20	3/4	684.83	3/4	962.46	3/4	1,240.09	3/4	1,517.72	3/4	1,795.36	3/4	2,072.99	3/4	2,350.62	3/4	2,628.25	3/4	2,905.88	3/4		3/4		3/4				
6	136.91	6	412.98	6	690.61	6	968.24	6	1,245.88	6	1,523.51	6	1,801.14	6	2,078.77	6	2,356.40	6	2,634.04	6	2,911.67	6		6		6				
1/4	142.61	1/4	418.76	1/4	696.40	1/4	974.03	1/4	1,251.66	1/4	1,529.29	1/4	1,806.92	1/4	2,084.56	1/4	2,362.19	1/4	2,639.82	1/4	2,917.45	1/4		1/4		1/4				
1/2	148.32	1/2	424.55	1/2	702.18	1/2	979.81	1/2	1,257.44	1/2	1,535.08	1/2	1,812.71	1/2	2,090.34	1/2	2,367.97	1/2	2,645.60	1/2	2,923.24	1/2		1/2		1/2				
3/4	154.03	3/4	430.33	3/4	707.96	3/4	985.60	3/4	1,263.23	3/4	1,540.86	3/4	1,818.49	3/4	2,096.12	3/4	2,373.76	3/4	2,651.39	3/4	2,928.48	3/4		3/4		3/4				
7	159.73	7	436.12	7	713.75	7	991.38	7	1,269.01	7	1,546.64	7	1,824.28	7	2,101.91	7	2,379.54	7	2,657.17	7	2,933.73	7		7		7				
1/4	165.44	1/4	441.90	1/4	719.53	1/4	997.16	1/4	1,274.80	1/4	1,552.43	1/4	1,830.06	1/4	2,107.69	1/4	2,385.32	1/4	2,662.96	1/4	2,938.98	1/4		1/4		1/4				
1/2	171.14	1/2	447.68	1/2	725.32	1/2	1,002.95	1/2	1,280.58	1/2	1,558.21	1/2	1,835.84	1/2	2,113.48	1/2	2,391.11	1/2	2,668.74	1/2	2,944.22	1/2		1/2		1/2				
3/4	176.85	3/4	453.47	3/4	731.10	3/4	1,008.73	3/4	1,286.36	3/4	1,564.00	3/4	1,841.63	3/4	2,119.26	3/4	2,396.89	3/4	2,674.52	3/4	2,949.47	3/4		3/4		3/4				
8	182.56	8	459.25	8	736.88	8	1,014.52	8	1,292.15	8	1,569.78	8	1,847.41	8	2,125.04	8	2,402.68	8	2,680.31	8	2,954.72	8		8		8				
1/4	188.26	1/4	465.04	1/4	742.67	1/4	1,020.30	1/4	1,297.93	1/4	1,575.56	1/4	1,853.20	1/4	2,130.83	1/4	2,408.46	1/4	2,686.09	1/4	2,959.97	1/4		1/4		1/4				
1/2	193.97	1/2	470.82	1/2	748.45	1/2	1,026.08	1/2	1,303.72	1/2	1,581.35	1/2	1,858.98	1/2	2,136.61	1/2	2,414.24	1/2	2,691.88	1/2	2,965.21	1/2		1/2		1/2				
3/4	199.67	3/4	476.60	3/4	754.24	3/4	1,031.87	3/4	1,309.50	3/4	1,587.13	3/4	1,864.76	3/4	2,142.40	3/4	2,420.03	3/4	2,697.66	3/4	2,969.35	3/4		3/4		3/4				
9	205.38	9	482.39	9	760.02	9	1,037.65	9	1,315.28	9	1,592.92	9	1,870.55	9	2,148.18	9	2,425.81	9	2,703.44	9	2,973.50	9		9		9				
1/4	211.09	1/4	488.17	1/4	765.80	1/4	1,043.44	1/4	1,321.07	1/4	1,598.70	1/4	1,876.33	1/4	2,153.96	1/4	2,431.60	1/4	2,709.23	1/4	2,977.64	1/4								



BARGE "MM-38" MAGNOLIA MARINE

INNAGE TABLE

3 PORT OR STAR

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

HULL NO. 4590

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.			
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
	11.38		269.72		543.13		816.54		1,089.95		1,363.36		1,636.76		1,910.17		2,183.58		2,456.99		2,730.40		2,970.30								
1/4	14.85	1/4	275.42	1/4	548.83	1/4	822.24	1/4	1,095.64	1/4	1,369.05	1/4	1,642.46	1/4	1,915.87	1/4	2,189.28	1/4	2,462.68	1/4	2,736.09	1/4	2,973.29	1/4							
1/2	18.33	1/2	281.12	1/2	554.52	1/2	827.93	1/2	1,101.34	1/2	1,374.75	1/2	1,648.16	1/2	1,921.56	1/2	2,194.97	1/2	2,468.38	1/2	2,741.79	1/2	2,976.28	1/2							
3/4	21.80	3/4	286.81	3/4	560.22	3/4	833.63	3/4	1,107.04	3/4	1,380.44	3/4	1,653.85	3/4	1,927.26	3/4	2,200.67	3/4	2,474.08	3/4	2,747.48	3/4	2,978.18	3/4							
1	25.27	1	292.51	1	565.92	1	839.32	1	1,112.73	1	1,386.14	1	1,659.55	1	1,932.96	1	2,206.36	1	2,479.77	1	2,753.18	1	2,980.08	1							
1/4	30.17	1/4	298.20	1/4	571.61	1/4	845.02	1/4	1,118.43	1/4	1,391.84	1/4	1,665.24	1/4	1,938.65	1/4	2,212.06	1/4	2,485.47	1/4	2,758.88	1/4	2,981.98	1/4							
1/2	35.07	1/2	303.90	1/2	577.31	1/2	850.72	1/2	1,124.12	1/2	1,397.53	1/2	1,670.94	1/2	1,944.35	1/2	2,217.76	1/2	2,491.16	1/2	2,764.57	1/2	2,983.88	1/2							
3/4	39.97	3/4	309.60	3/4	583.00	3/4	856.41	3/4	1,129.82	3/4	1,403.23	3/4	1,676.64	3/4	1,950.04	3/4	2,223.45	3/4	2,496.86	3/4	2,770.27	3/4	2,985.79	3/4							
2	44.87	2	315.29	2	588.70	2	862.11	2	1,135.52	2	1,408.92	2	1,682.33	2	1,955.74	2	2,229.15	2	2,502.56	2	2,775.96	2	2,987.69	2							
1/4	50.49	1/4	320.99	1/4	594.40	1/4	867.80	1/4	1,141.21	1/4	1,414.62	1/4	1,688.03	1/4	1,961.44	1/4	2,234.84	1/4	2,508.25	1/4	2,781.66	1/4	2,989.59	1/4							
1/2	56.10	1/2	326.68	1/2	600.09	1/2	873.50	1/2	1,146.91	1/2	1,420.32	1/2	1,693.72	1/2	1,967.13	1/2	2,240.54	1/2	2,513.95	1/2	2,787.36	1/2	2,991.49	1/2							
3/4	61.71	3/4	332.38	3/4	605.79	3/4	879.20	3/4	1,152.60	3/4	1,426.01	3/4	1,699.42	3/4	1,972.83	3/4	2,246.24	3/4	2,519.64	3/4	2,793.05	3/4	2,992.31	3/4							
3	67.32	3	338.08	3	611.48	3	884.89	3	1,158.30	3	1,431.71	3	1,705.12	3	1,978.52	3	2,251.93	3	2,525.34	3	2,798.75	3	2,993.12	3							
1/4	72.94	1/4	343.77	1/4	617.18	1/4	890.59	1/4	1,164.00	1/4	1,437.40	1/4	1,710.81	1/4	1,984.22	1/4	2,257.63	1/4	2,531.04	1/4	2,804.44	1/4	2,993.94	1/4							
1/2	78.55	1/2	349.47	1/2	622.88	1/2	896.28	1/2	1,169.69	1/2	1,443.10	1/2	1,716.51	1/2	1,989.92	1/2	2,263.32	1/2	2,536.73	1/2	2,810.14	1/2	2,994.75	1/2							
3/4	84.16	3/4	355.16	3/4	628.57	3/4	901.98	3/4	1,175.39	3/4	1,448.80	3/4	1,722.20	3/4	1,995.61	3/4	2,269.02	3/4	2,542.43	3/4	2,815.84	3/4	2,995.57	3/4							
4	89.78	4	360.86	4	634.27	4	907.68	4	1,181.08	4	1,454.49	4	1,727.90	4	2,001.31	4	2,274.72	4	2,548.12	4	2,821.53	4	2,996.38	4							
1/4	95.39	1/4	366.56	1/4	639.96	1/4	913.37	1/4	1,186.78	1/4	1,460.19	1/4	1,733.60	1/4	2,007.00	1/4	2,280.41	1/4	2,553.82	1/4	2,827.23	1/4	2,997.20	1/4							
1/2	101.00	1/2	372.25	1/2	645.66	1/2	919.07	1/2	1,192.48	1/2	1,465.88	1/2	1,739.29	1/2	2,012.70	1/2	2,286.11	1/2	2,559.52	1/2	2,832.92	1/2	2,998.01	1/2							
3/4	106.62	3/4	377.95	3/4	651.36	3/4	924.76	3/4	1,198.17	3/4	1,471.58	3/4	1,744.99	3/4	2,018.40	3/4	2,291.80	3/4	2,565.21	3/4	2,838.62	3/4	2,998.15	3/4							
5	112.23	5	383.64	5	657.05	5	930.46	5	1,203.87	5	1,477.28	5	1,750.68	5	2,024.09	5	2,297.50	5	2,570.91	5	2,844.32	5	2,998.28	5							
1/4	117.84	1/4	389.34	1/4	662.75	1/4	936.16	1/4	1,209.56	1/4	1,482.97	1/4	1,756.38	1/4	2,029.79	1/4	2,303.20	1/4	2,576.60	1/4	2,850.01	1/4	2,999.14	1/4							
1/2	123.45	1/2	395.04	1/2	668.44	1/2	941.85	1/2	1,215.26	1/2	1,488.67	1/2	1,762.08	1/2	2,035.48	1/2	2,308.89	1/2	2,582.30	1/2	2,855.71	1/2	2,999.99	1/2							
3/4	129.07	3/4	400.73	3/4	674.14	3/4	947.55	3/4	1,220.96	3/4	1,494.36	3/4	1,767.77	3/4	2,041.18	3/4	2,314.59	3/4	2,588.00	3/4	2,861.40	3/4	2,999.99	3/4							
6	134.68	6	406.43	6	679.84	6	953.24	6	1,226.65	6	1,500.06	6	1,773.47	6	2,046.88	6	2,320.28	6	2,593.69	6	2,867.10	6	2,999.99	6							
1/4	140.29	1/4	412.12	1/4	685.53	1/4	958.94	1/4	1,232.35	1/4	1,505.76	1/4	1,779.16	1/4	2,052.57	1/4	2,325.98	1/4	2,599.39	1/4	2,872.80	1/4	2,999.99	1/4							
1/2	145.91	1/2	417.82	1/2	691.23	1/2	964.64	1/2	1,238.04	1/2	1,511.45	1/2	1,784.86	1/2	2,058.27	1/2	2,331.68	1/2	2,605.08	1/2	2,878.49	1/2	2,999.99	1/2							
3/4	151.52	3/4	423.52	3/4	696.92	3/4	970.33	3/4	1,243.74	3/4	1,517.15	3/4	1,790.56	3/4	2,063.96	3/4	2,337.37	3/4	2,610.78	3/4	2,883.65	3/4	2,999.99	3/4							
7	157.13	7	429.21	7	702.62	7	976.03	7	1,249.44	7	1,522.84	7	1,796.25	7	2,069.66	7	2,343.07	7	2,616.48	7	2,888.81	7	2,999.99	7							
1/4	162.75	1/4	434.91	1/4	708.32	1/4	981.72	1/4	1,255.13	1/4	1,528.54	1/4	1,801.95	1/4	2,075.36	1/4	2,348.76	1/4	2,622.17	1/4	2,893.97	1/4	2,999.99	1/4							
1/2	168.36	1/2	440.60	1/2	714.01	1/2	987.42	1/2	1,260.83	1/2	1,534.24	1/2	1,807.64	1/2	2,081.05	1/2	2,354.46	1/2	2,627.87	1/2	2,899.14	1/2	2,999.99	1/2							
3/4	173.97	3/4	446.30	3/4	719.71	3/4	993.12	3/4	1,266.52	3/4	1,539.93	3/4	1,813.34	3/4	2,086.75	3/4	2,360.16	3/4	2,633.56	3/4	2,904.30	3/4	2,999.99	3/4							
8	179.58	8	452.00	8	725.40	8	998.81	8	1,272.22	8	1,545.63	8	1,819.04	8	2,092.44	8	2,365.85	8	2,639.26	8	2,909.46	8	2,999.99	8							
1/4	185.20	1/4	457.69	1/4	731.10	1/4	1,004.51	1/4	1,277.92	1/4	1,551.32	1/4	1,824.73	1/4	2,098.14	1/4	2,371.55	1/4	2,644.96	1/4	2,914.62	1/4	2,999.99	1/4							
1/2	190.81	1/2	463.39	1/2	736.80	1/2	1,010.20	1/2	1,283.61	1/2	1,557.02	1/2	1,830.43	1/2	2,103.84	1/2	2,377.24	1/2	2,650.65	1/2	2,919.78	1/2	2,999.99	1/2							
3/4	196.42	3/4	469.08	3/4	742.49	3/4	1,015.90	3/4	1,289.31	3/4	1,562.72	3/4	1,836.12	3/4	2,109.53	3/4	2,382.94	3/4	2,656.35	3/4	2,923.85	3/4	2,999.99	3/4							
9	202.04	9	474.78	9	748.19	9	1,021.60	9	1,295.00	9	1,568.41	9	1,841.82	9	2,115.23	9	2,388.64	9	2,662.04	9	2,927.93	9	2,999.99	9							
1/4	207.65	1/4	480.48	1/4	753.88	1/4	1,027.29	1/4	1,300.70	1/4	1,574.11	1/4	1,847.52	1/4	2,120.92	1/4	2,394.33	1/4	2,667.74	1/4	2,932.00	1/4	2,999.99	1/4							
1/2	213.26	1/2	486.17	1/2	759.58	1/2	1,032.99	1/2	1,306.40	1/2	1,579.80	1/2	1,853.21	1/2	2,126.62	1/2	2,400.03	1/2	2,673.44	1/2	2,936.08	1/2	2,999.99	1/2							
3/4	218.88	3/4	491.87	3/4	765.28	3/4	1,038.68	3/4	1,312.09	3/4	1,585.50	3/4	1,858.91	3/4	2,132.32	3/4	2,405.72	3/4	2,679.13	3/4	2,940.15	3/4	2,999.99	3/4							
10	224.49	10	497.56	10	770.97	10	1,044.38	10	1,317.79	10	1,591.20	10	1,864.60	10	2,138.01	10	2,411.42	10	2,684.83	10	2,944.22	10	2,999.99	10							
1/4	230.10	1/4	503.26																												



BARGE "MM-38" MAGNOLIA MARINE

INNAGE TABLE

4 PORT OR STAR

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

HULL NO. 4590

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.			
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		
0	11.66	0	276.68	0	557.24	0	837.80	0	1,118.36	0	1,398.92	0	1,679.48	0	1,960.04	0	2,240.60	0	2,521.16	0	2,801.72	0	3,047.87	0		0					
1/4	15.23	1/4	282.53	1/4	563.09	1/4	843.65	1/4	1,124.21	1/4	1,404.77	1/4	1,685.33	1/4	1,965.89	1/4	2,246.45	1/4	2,527.01	1/4	2,807.57	1/4	3,050.93	1/4		1/4					
1/2	18.79	1/2	288.37	1/2	568.93	1/2	849.49	1/2	1,130.05	1/2	1,410.61	1/2	1,691.17	1/2	1,971.73	1/2	2,252.29	1/2	2,532.85	1/2	2,813.41	1/2	3,054.00	1/2		1/2					
3/4	22.35	3/4	294.22	3/4	574.78	3/4	855.34	3/4	1,135.90	3/4	1,416.46	3/4	1,697.02	3/4	1,977.58	3/4	2,258.14	3/4	2,538.70	3/4	2,819.26	3/4	3,055.95	3/4		3/4					
1	25.91	1	300.06	1	580.62	1	861.18	1	1,141.74	1	1,422.30	1	1,702.86	1	1,983.42	1	2,263.98	1	2,544.54	1	2,825.10	1	3,057.90	1		1					
1/4	30.94	1/4	305.91	1/4	586.47	1/4	867.03	1/4	1,147.59	1/4	1,428.15	1/4	1,708.71	1/4	1,989.27	1/4	2,269.83	1/4	2,550.39	1/4	2,830.95	1/4	3,059.85	1/4		1/4					
1/2	35.96	1/2	311.75	1/2	592.31	1/2	872.87	1/2	1,153.43	1/2	1,433.99	1/2	1,714.55	1/2	1,995.11	1/2	2,275.67	1/2	2,556.23	1/2	2,836.79	1/2	3,061.80	1/2		1/2					
3/4	40.99	3/4	317.60	3/4	598.16	3/4	878.72	3/4	1,159.28	3/4	1,439.84	3/4	1,720.40	3/4	2,000.96	3/4	2,281.52	3/4	2,562.08	3/4	2,842.64	3/4	3,063.75	3/4		3/4					
2	46.02	2	323.44	2	604.00	2	884.56	2	1,165.12	2	1,445.68	2	1,726.24	2	2,006.80	2	2,287.36	2	2,567.92	2	2,848.48	2	3,065.70	2		2					
1/4	51.77	1/4	329.29	1/4	609.85	1/4	890.41	1/4	1,170.97	1/4	1,451.53	1/4	1,732.09	1/4	2,012.65	1/4	2,293.21	1/4	2,573.77	1/4	2,854.33	1/4	3,067.65	1/4		1/4					
1/2	57.53	1/2	335.13	1/2	615.69	1/2	896.25	1/2	1,176.81	1/2	1,457.37	1/2	1,737.93	1/2	2,018.49	1/2	2,299.05	1/2	2,579.61	1/2	2,860.17	1/2	3,069.61	1/2		1/2					
3/4	63.29	3/4	340.98	3/4	621.54	3/4	902.10	3/4	1,182.66	3/4	1,463.22	3/4	1,743.78	3/4	2,024.34	3/4	2,304.90	3/4	2,585.46	3/4	2,866.02	3/4	3,070.44	3/4		3/4					
3	69.05	3	346.82	3	627.38	3	907.94	3	1,188.50	3	1,469.06	3	1,749.62	3	2,030.18	3	2,310.74	3	2,591.30	3	2,871.86	3	3,071.28	3		3					
1/4	74.81	1/4	352.67	1/4	633.23	1/4	913.79	1/4	1,194.35	1/4	1,474.91	1/4	1,755.47	1/4	2,036.03	1/4	2,316.59	1/4	2,597.15	1/4	2,877.71	1/4	3,072.11	1/4		1/4					
1/2	80.56	1/2	358.51	1/2	639.07	1/2	919.63	1/2	1,200.19	1/2	1,480.75	1/2	1,761.31	1/2	2,041.87	1/2	2,322.43	1/2	2,602.99	1/2	2,883.55	1/2	3,072.95	1/2		1/2					
3/4	86.32	3/4	364.36	3/4	644.92	3/4	925.48	3/4	1,206.04	3/4	1,486.60	3/4	1,767.16	3/4	2,047.72	3/4	2,328.28	3/4	2,608.84	3/4	2,889.40	3/4	3,073.79	3/4		3/4					
4	92.08	4	370.20	4	650.76	4	931.32	4	1,211.88	4	1,492.44	4	1,773.00	4	2,053.56	4	2,334.12	4	2,614.68	4	2,895.24	4	3,074.62	4		4					
1/4	97.84	1/4	376.05	1/4	656.61	1/4	937.17	1/4	1,217.73	1/4	1,498.29	1/4	1,779.85	1/4	2,059.41	1/4	2,339.97	1/4	2,620.53	1/4	2,901.09	1/4	3,075.46	1/4		1/4					
1/2	103.60	1/2	381.89	1/2	662.45	1/2	943.01	1/2	1,223.57	1/2	1,504.13	1/2	1,784.69	1/2	2,065.25	1/2	2,345.81	1/2	2,626.37	1/2	2,906.93	1/2	3,076.29	1/2		1/2					
3/4	109.35	3/4	387.74	3/4	668.30	3/4	948.86	3/4	1,229.42	3/4	1,509.98	3/4	1,790.54	3/4	2,071.10	3/4	2,351.66	3/4	2,632.22	3/4	2,912.78	3/4	3,076.43	3/4		3/4					
5	115.11	5	393.58	5	674.14	5	954.70	5	1,235.26	5	1,515.82	5	1,796.38	5	2,076.94	5	2,357.50	5	2,638.06	5	2,918.62	5	3,076.57	5		5					
1/4	120.87	1/4	399.43	1/4	679.99	1/4	960.55	1/4	1,241.11	1/4	1,521.67	1/4	1,802.23	1/4	2,082.79	1/4	2,363.35	1/4	2,643.91	1/4	2,924.47	1/4		1/4		1/4					
1/2	126.63	1/2	405.27	1/2	685.83	1/2	966.39	1/2	1,246.95	1/2	1,527.51	1/2	1,808.07	1/2	2,088.63	1/2	2,369.19	1/2	2,649.75	1/2	2,930.31	1/2		1/2		1/2					
3/4	132.39	3/4	411.12	3/4	691.68	3/4	972.24	3/4	1,252.80	3/4	1,533.36	3/4	1,813.92	3/4	2,094.48	3/4	2,375.04	3/4	2,655.60	3/4	2,936.16	3/4		3/4		3/4					
6	138.14	6	416.96	6	697.52	6	978.08	6	1,258.64	6	1,539.20	6	1,819.76	6	2,100.32	6	2,380.88	6	2,661.44	6	2,942.00	6		6		6					
1/4	143.90	1/4	422.81	1/4	703.37	1/4	983.93	1/4	1,264.49	1/4	1,545.05	1/4	1,825.61	1/4	2,106.17	1/4	2,386.73	1/4	2,667.29	1/4	2,947.85	1/4		1/4		1/4					
1/2	149.66	1/2	428.65	1/2	709.21	1/2	989.77	1/2	1,270.33	1/2	1,550.89	1/2	1,831.45	1/2	2,112.01	1/2	2,392.57	1/2	2,673.13	1/2	2,953.69	1/2		1/2		1/2					
3/4	155.42	3/4	434.50	3/4	715.06	3/4	995.62	3/4	1,276.18	3/4	1,556.74	3/4	1,837.30	3/4	2,117.86	3/4	2,398.42	3/4	2,678.98	3/4	2,958.99	3/4		3/4		3/4					
7	161.18	7	440.34	7	720.90	7	1,001.46	7	1,282.02	7	1,562.58	7	1,843.14	7	2,123.70	7	2,404.26	7	2,684.82	7	2,964.28	7		7		7					
1/4	166.93	1/4	446.19	1/4	726.75	1/4	1,007.31	1/4	1,287.87	1/4	1,568.43	1/4	1,848.99	1/4	2,129.55	1/4	2,410.11	1/4	2,690.67	1/4	2,969.58	1/4		1/4		1/4					
1/2	172.69	1/2	452.03	1/2	732.59	1/2	1,013.15	1/2	1,293.71	1/2	1,574.27	1/2	1,854.83	1/2	2,135.39	1/2	2,415.95	1/2	2,696.51	1/2	2,974.87	1/2		1/2		1/2					
3/4	178.45	3/4	457.88	3/4	738.44	3/4	1,019.00	3/4	1,299.56	3/4	1,580.12	3/4	1,860.68	3/4	2,141.24	3/4	2,421.80	3/4	2,702.36	3/4	2,980.16	3/4		3/4		3/4					
8	184.21	8	463.72	8	744.28	8	1,024.84	8	1,305.40	8	1,585.96	8	1,866.52	8	2,147.08	8	2,427.64	8	2,708.20	8	2,985.46	8		8		8					
1/4	189.97	1/4	469.57	1/4	750.13	1/4	1,030.69	1/4	1,311.25	1/4	1,591.81	1/4	1,872.37	1/4	2,152.93	1/4	2,433.49	1/4	2,714.05	1/4	2,990.75	1/4		1/4		1/4					
1/2	195.72	1/2	475.41	1/2	755.97	1/2	1,036.53	1/2	1,317.09	1/2	1,597.65	1/2	1,878.21	1/2	2,158.77	1/2	2,439.33	1/2	2,719.89	1/2	2,996.05	1/2		1/2		1/2					
3/4	201.48	3/4	481.26	3/4	761.82	3/4	1,042.38	3/4	1,322.94	3/4	1,603.50	3/4	1,884.06	3/4	2,164.62	3/4	2,445.18	3/4	2,725.74	3/4	3,000.22	3/4		3/4		3/4					
9	207.24	9	487.10	9	767.66	9	1,048.22	9	1,328.78	9	1,609.34	9	1,889.90	9	2,170.46	9	2,451.02	9	2,731.58	9	3,004.40	9		9		9					
1/4	213.00	1/4	492.95	1/4	773.51	1/4	1,054.07	1/																							



BARGE "MM-38" MAGNOLIA MARINE

OUTAGE TABLE

1 PORT

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

HULL NO. 4590

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	2,686.11	0	2,447.28	0	2,193.88	0	1,940.49	0	1,687.10	0	1,433.71	0	1,180.32	0	926.92	0	673.53	0	420.14	0	182.65	0		0			
1/4		1/4	2,682.34	1/4	2,442.00	1/4	2,188.60	1/4	1,935.21	1/4	1,681.82	1/4	1,428.43	1/4	1,175.04	1/4	921.64	1/4	668.25	1/4	414.86	1/4	177.91	1/4		1/4			
1/2		1/2	2,678.57	1/2	2,436.72	1/2	2,183.33	1/2	1,929.93	1/2	1,676.54	1/2	1,423.15	1/2	1,169.76	1/2	916.37	1/2	662.97	1/2	409.73	1/2	173.47	1/2		1/2			
3/4		3/4	2,674.79	3/4	2,431.44	3/4	2,178.05	3/4	1,924.65	3/4	1,671.26	3/4	1,417.87	3/4	1,164.48	3/4	911.09	3/4	657.69	3/4	404.60	3/4	169.02	3/4		3/4			
1		1	2,671.02	1	2,426.16	1	2,172.77	1	1,919.38	1	1,665.98	1	1,412.59	1	1,159.20	1	905.81	1	652.42	1	399.47	1	164.58	1		1			
1/4		1/4	2,667.25	1/4	2,420.88	1/4	2,167.49	1/4	1,914.10	1/4	1,660.70	1/4	1,407.31	1/4	1,153.92	1/4	900.53	1/4	647.14	1/4	394.34	1/4	160.14	1/4		1/4			
1/2		1/2	2,663.48	1/2	2,415.60	1/2	2,162.21	1/2	1,908.82	1/2	1,655.43	1/2	1,402.03	1/2	1,148.64	1/2	895.25	1/2	641.86	1/2	389.21	1/2	155.69	1/2		1/2			
3/4		3/4	2,659.71	3/4	2,410.32	3/4	2,156.93	3/4	1,903.54	3/4	1,650.15	3/4	1,396.75	3/4	1,143.36	3/4	889.97	3/4	636.58	3/4	384.07	3/4	151.25	3/4		3/4			
2		2	2,654.93	2	2,405.04	2	2,151.65	2	1,898.26	2	1,644.87	2	1,391.48	2	1,138.08	2	884.69	2	631.30	2	378.94	2	146.81	2		2			
1/4		1/4	2,650.15	1/4	2,399.76	1/4	2,146.37	1/4	1,892.98	1/4	1,639.59	1/4	1,386.20	1/4	1,132.80	1/4	879.41	1/4	626.02	1/4	373.81	1/4	142.36	1/4		1/4			
1/2		1/2	2,645.37	1/2	2,394.49	1/2	2,141.09	1/2	1,887.70	1/2	1,634.31	1/2	1,380.92	1/2	1,127.53	1/2	874.13	1/2	620.74	1/2	368.68	1/2	137.92	1/2		1/2			
3/4		3/4	2,640.59	3/4	2,389.21	3/4	2,135.81	3/4	1,882.42	3/4	1,629.03	3/4	1,375.64	3/4	1,122.25	3/4	868.85	3/4	615.46	3/4	363.55	3/4	133.48	3/4		3/4			
3		3	2,635.82	3	2,383.93	3	2,130.54	3	1,877.14	3	1,623.75	3	1,370.36	3	1,116.97	3	863.58	3	610.18	3	358.42	3	129.04	3		3			
1/4		1/4	2,631.04	1/4	2,378.65	1/4	2,125.26	1/4	1,871.86	1/4	1,618.47	1/4	1,365.08	1/4	1,111.69	1/4	858.30	1/4	604.90	1/4	353.29	1/4	124.59	1/4		1/4			
1/2		1/2	2,626.26	1/2	2,373.37	1/2	2,119.98	1/2	1,866.59	1/2	1,613.19	1/2	1,359.80	1/2	1,106.41	1/2	853.02	1/2	599.63	1/2	348.16	1/2	120.15	1/2		1/2			
3/4		3/4	2,621.48	3/4	2,368.09	3/4	2,114.70	3/4	1,861.31	3/4	1,607.91	3/4	1,354.52	3/4	1,101.13	3/4	847.74	3/4	594.35	3/4	343.03	3/4	115.71	3/4		3/4			
4		4	2,616.20	4	2,362.81	4	2,109.42	4	1,856.03	4	1,602.64	4	1,349.24	4	1,095.85	4	842.46	4	589.07	4	337.90	4	111.26	4		4			
1/4		1/4	2,610.92	1/4	2,357.53	1/4	2,104.14	1/4	1,850.75	1/4	1,597.36	1/4	1,343.96	1/4	1,090.57	1/4	837.18	1/4	583.79	1/4	332.76	1/4	106.82	1/4		1/4			
1/2		1/2	2,605.65	1/2	2,352.25	1/2	2,098.86	1/2	1,845.47	1/2	1,592.08	1/2	1,338.69	1/2	1,085.29	1/2	831.90	1/2	578.51	1/2	327.63	1/2	102.38	1/2		1/2			
3/4		3/4	2,600.37	3/4	2,346.97	3/4	2,093.58	3/4	1,840.19	3/4	1,586.80	3/4	1,333.41	3/4	1,080.01	3/4	826.62	3/4	573.23	3/4	322.50	3/4	97.93	3/4		3/4			
5		5	2,595.09	5	2,341.70	5	2,088.30	5	1,834.91	5	1,581.52	5	1,328.13	5	1,074.74	5	821.34	5	567.95	5	317.37	5	93.49	5		5			
1/4		1/4	2,732.37	1/4	2,589.81	1/4	2,336.42	1/4	2,083.02	1/4	1,829.63	1/4	1,576.24	1/4	1,322.85	1/4	816.06	1/4	562.67	1/4	312.24	1/4	89.05	1/4		1/4			
1/2		1/2	2,732.25	1/2	2,584.53	1/2	2,331.14	1/2	2,077.75	1/2	1,824.35	1/2	1,570.96	1/2	1,317.57	1/2	810.79	1/2	557.39	1/2	307.11	1/2	84.61	1/2		1/2			
3/4		3/4	2,732.12	3/4	2,579.25	3/4	2,325.86	3/4	2,072.47	3/4	1,819.07	3/4	1,565.68	3/4	1,312.29	3/4	805.51	3/4	552.11	3/4	301.98	3/4	80.16	3/4		3/4			
6		6	2,731.37	6	2,573.97	6	2,320.58	6	2,067.19	6	1,813.80	6	1,560.40	6	1,307.01	6	800.23	6	546.84	6	296.85	6	75.72	6		6			
1/4		1/4	2,730.61	1/4	2,568.69	1/4	2,315.30	1/4	2,061.91	1/4	1,808.52	1/4	1,555.12	1/4	1,301.73	1/4	794.95	1/4	541.56	1/4	291.72	1/4	71.28	1/4		1/4			
1/2		1/2	2,729.86	1/2	2,563.41	1/2	2,310.02	1/2	2,056.63	1/2	1,803.24	1/2	1,549.85	1/2	1,296.45	1/2	789.67	1/2	536.28	1/2	286.97	1/2	67.13	1/2		1/2			
3/4		3/4	2,729.11	3/4	2,558.13	3/4	2,304.74	3/4	2,051.35	3/4	1,797.96	3/4	1,544.57	3/4	1,291.17	3/4	784.39	3/4	531.00	3/4	282.23	3/4	62.99	3/4		3/4			
7		7	2,728.35	7	2,552.86	7	2,299.46	7	2,046.07	7	1,792.68	7	1,539.29	7	1,285.90	7	779.11	7	525.72	7	277.49	7	58.85	7		7			
1/4		1/4	2,727.60	1/4	2,547.58	1/4	2,294.18	1/4	2,040.79	1/4	1,787.40	1/4	1,534.01	1/4	1,280.62	1/4	773.83	1/4	520.44	1/4	272.75	1/4	54.70	1/4		1/4			
1/2		1/2	2,726.84	1/2	2,542.30	1/2	2,288.91	1/2	2,035.51	1/2	1,782.12	1/2	1,528.73	1/2	1,275.34	1/2	768.55	1/2	515.16	1/2	268.01	1/2	50.56	1/2		1/2			
3/4		3/4	2,726.09	3/4	2,537.02	3/4	2,283.63	3/4	2,030.23	3/4	1,776.84	3/4	1,523.45	3/4	1,270.06	3/4	763.27	3/4	509.88	3/4	263.26	3/4	46.42	3/4		3/4			
8		8	2,724.33	8	2,531.74	8	2,278.35	8	2,024.96	8	1,771.56	8	1,518.17	8	1,264.78	8	758.00	8	504.60	8	258.52	8	42.28	8		8			
1/4		1/4	2,722.57	1/4	2,526.46	1/4	2,273.07	1/4	2,019.68	1/4	1,766.28	1/4	1,512.89	1/4	1,259.50	1/4	752.72	1/4	499.32	1/4	253.78	1/4	38.13	1/4		1/4			
1/2		1/2	2,720.81	1/2	2,521.18	1/2	2,267.79	1/2	2,014.40	1/2	1,761.01	1/2	1,507.61	1/2	1,254.22	1/2	747.44	1/2	494.05	1/2	249.04	1/2	34.44	1/2		1/2			
3/4		3/4	2,719.05	3/4	2,515.90	3/4	2,262.51	3/4	2,009.12	3/4	1,755.73	3/4	1,502.33	3/4	1,248.94	3/4	742.16	3/4	488.77	3/4	244.30	3/4	30.75	3/4		3/4			
9		9	2,717.29	9	2,510.62	9	2,257.23	9	2,003.84	9	1,750.45	9	1,497.06	9	1,243.66	9	736.88	9	483.49	9	239.55	9	27.06	9		9			
1/4		1/4	2,715.53	1/4	2,505.34	1/4	2,251.95	1/4	1,998.56	1/4	1,745.17	1/4	1,491.78	1/4	1,238.38	1/4	731.60	1/4	478.21	1/4	234.81	1/4	23.36	1/4		1/4			
1/2		1/2	2,713.77	1/2	2,500.07	1/2	2,246.67	1/2	1,993.28	1/2	1,739.89	1/2	1,486.50	1/2	1,233.11	1/2	726.32	1/2	472.93	1/2	230.07	1/2	20.57	1/2		1/2			
3/4		3/4	2,712.01	3/4	2,494.79	3/4	2,241.39	3/4	1,988.00	3/4	1,734.61	3/4	1,481.22	3/4	1,227.83	3/4	721.04	3/4	467.65	3/4	225.33	3/4	17.78	3/4		3/4			
10		10	2,709.24	10	2,489.51	10	2,236.12	10	1,982.72	10	1,729.33	10	1,475.94	10	1,222.55	10	715.76	10	462.37	10	220.59	10	14.99	10		10			
1/4		1/4	2,706.48	1/4	2,484.23	1/4	2,230.84	1/4	1,977.44	1/4	1,724.05	1/4	1,470.66	1/4	1,217.27	1/4	710.48	1/4	457.09	1/4	215.84	1/4	12.20	1/4		1/4			
1/2		1/2	2,703.71	1/2	2,478.95	1/2	2,225.56	1/2	1,972.17	1/2	1,718.77	1/2	1,465.38	1/2	1,211.99	1/2	705.21	1/2	451.81	1/2	211.10	1/2		1/2		1/2			
3/4		3/4	2,700.95	3/4	2,473.67	3/4	2,220.28	3/4	1,966.89	3/4	1,713.49	3/4	1																



BARGE "MM-38" MAGNOLIA MARINE

OUTAGE TABLE

1 STAR

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

HULL NO. 4590

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0	2,692.65	0	2,457.83	0	2,204.44	0	1,951.05	0	1,697.66	0	1,444.27	0	1,190.87	0	937.48	0	684.09	0	430.70	0	192.13	0		0			
1/4		1/4	2,689.88	1/4	2,452.55	1/4	2,199.16	1/4	1,945.77	1/4	1,692.38	1/4	1,438.99	1/4	1,185.59	1/4	932.20	1/4	678.81	1/4	425.42	1/4	187.39	1/4		1/4			
1/2		1/2	2,686.11	1/2	2,447.28	1/2	2,193.88	1/2	1,940.49	1/2	1,687.10	1/2	1,433.71	1/2	1,180.32	1/2	926.92	1/2	673.53	1/2	420.14	1/2	182.65	1/2		1/2			
3/4		3/4	2,682.34	3/4	2,442.00	3/4	2,188.60	3/4	1,935.21	3/4	1,681.82	3/4	1,428.43	3/4	1,175.04	3/4	921.64	3/4	668.25	3/4	414.86	3/4	177.91	3/4		3/4			
1		1	2,678.57	1	2,436.72	1	2,183.33	1	1,929.93	1	1,676.54	1	1,423.15	1	1,169.76	1	916.37	1	662.97	1	409.73	1	173.47	1		1			
1/4		1/4	2,674.79	1/4	2,431.44	1/4	2,178.05	1/4	1,924.65	1/4	1,671.26	1/4	1,417.87	1/4	1,164.48	1/4	911.09	1/4	657.69	1/4	404.60	1/4	169.02	1/4		1/4			
1/2		1/2	2,671.02	1/2	2,426.16	1/2	2,172.77	1/2	1,919.38	1/2	1,665.98	1/2	1,412.59	1/2	1,159.20	1/2	905.81	1/2	652.42	1/2	399.47	1/2	164.58	1/2		1/2			
3/4		3/4	2,667.25	3/4	2,420.88	3/4	2,167.49	3/4	1,914.10	3/4	1,660.70	3/4	1,407.31	3/4	1,153.92	3/4	900.53	3/4	647.14	3/4	394.34	3/4	160.14	3/4		3/4			
2		2	2,663.48	2	2,415.60	2	2,162.21	2	1,908.82	2	1,655.43	2	1,402.03	2	1,148.64	2	895.25	2	641.86	2	389.21	2	155.69	2		2			
1/4		1/4	2,659.71	1/4	2,410.32	1/4	2,156.93	1/4	1,903.54	1/4	1,650.15	1/4	1,396.75	1/4	1,143.36	1/4	889.97	1/4	636.58	1/4	384.07	1/4	151.25	1/4		1/4			
1/2		1/2	2,654.93	1/2	2,405.04	1/2	2,151.65	1/2	1,898.26	1/2	1,644.87	1/2	1,391.48	1/2	1,138.08	1/2	884.69	1/2	631.30	1/2	378.94	1/2	146.81	1/2		1/2			
3/4		3/4	2,650.15	3/4	2,399.76	3/4	2,146.37	3/4	1,892.98	3/4	1,639.59	3/4	1,386.20	3/4	1,132.80	3/4	879.41	3/4	626.02	3/4	373.81	3/4	142.36	3/4		3/4			
3		3	2,645.37	3	2,394.49	3	2,141.09	3	1,887.70	3	1,634.31	3	1,380.92	3	1,127.53	3	874.13	3	620.74	3	368.68	3	137.92	3		3			
1/4		1/4	2,640.59	1/4	2,389.21	1/4	2,135.81	1/4	1,882.42	1/4	1,629.03	1/4	1,375.64	1/4	1,122.25	1/4	868.85	1/4	615.46	1/4	363.55	1/4	133.48	1/4		1/4			
1/2		1/2	2,635.82	1/2	2,383.93	1/2	2,130.54	1/2	1,877.14	1/2	1,623.75	1/2	1,370.36	1/2	1,116.97	1/2	863.58	1/2	610.18	1/2	358.42	1/2	129.04	1/2		1/2			
3/4		3/4	2,631.04	3/4	2,378.65	3/4	2,125.26	3/4	1,871.86	3/4	1,618.47	3/4	1,365.08	3/4	1,111.69	3/4	858.30	3/4	604.90	3/4	353.29	3/4	124.59	3/4		3/4			
4		4	2,626.26	4	2,373.37	4	2,119.98	4	1,866.59	4	1,613.19	4	1,359.80	4	1,106.41	4	853.02	4	599.63	4	348.16	4	120.15	4		4			
1/4		1/4	2,621.48	1/4	2,368.09	1/4	2,114.70	1/4	1,861.31	1/4	1,607.91	1/4	1,354.52	1/4	1,101.13	1/4	847.74	1/4	594.35	1/4	343.03	1/4	115.71	1/4		1/4			
1/2		1/2	2,616.20	1/2	2,362.81	1/2	2,109.42	1/2	1,856.03	1/2	1,602.64	1/2	1,349.24	1/2	1,095.85	1/2	842.46	1/2	589.07	1/2	337.90	1/2	111.26	1/2		1/2			
3/4		3/4	2,610.92	3/4	2,357.53	3/4	2,104.14	3/4	1,850.75	3/4	1,597.36	3/4	1,343.96	3/4	1,090.57	3/4	837.18	3/4	583.79	3/4	332.76	3/4	106.82	3/4		3/4			
5		5	2,605.65	5	2,352.25	5	2,098.86	5	1,845.47	5	1,592.08	5	1,338.69	5	1,085.29	5	831.90	5	578.51	5	327.63	5	102.38	5		5			
1/4		1/4	2,600.37	1/4	2,346.97	1/4	2,093.58	1/4	1,840.19	1/4	1,586.80	1/4	1,333.41	1/4	1,080.01	1/4	826.62	1/4	573.23	1/4	322.50	1/4	97.93	1/4		1/4			
1/2		1/2	2,595.09	1/2	2,341.70	1/2	2,088.30	1/2	1,834.91	1/2	1,581.52	1/2	1,328.13	1/2	1,074.74	1/2	821.34	1/2	567.95	1/2	317.37	1/2	93.49	1/2		1/2			
3/4		3/4	2,590.31	3/4	2,336.42	3/4	2,083.02	3/4	1,829.63	3/4	1,576.24	3/4	1,322.85	3/4	1,069.46	3/4	816.06	3/4	562.67	3/4	312.24	3/4	89.05	3/4		3/4			
6		6	2,585.33	6	2,331.14	6	2,077.75	6	1,824.35	6	1,570.96	6	1,317.57	6	1,064.18	6	810.79	6	557.39	6	307.11	6	84.61	6		6			
1/4		1/4	2,580.55	1/4	2,326.36	1/4	2,072.47	1/4	1,819.07	1/4	1,565.68	1/4	1,312.29	1/4	1,058.90	1/4	805.51	1/4	552.11	1/4	301.98	1/4	80.16	1/4		1/4			
1/2		1/2	2,575.77	1/2	2,321.58	1/2	2,067.19	1/2	1,813.80	1/2	1,560.40	1/2	1,307.01	1/2	1,053.62	1/2	800.23	1/2	546.84	1/2	296.85	1/2	75.72	1/2		1/2			
3/4		3/4	2,570.99	3/4	2,316.80	3/4	2,062.41	3/4	1,808.52	3/4	1,555.12	3/4	1,301.73	3/4	1,048.34	3/4	794.95	3/4	541.56	3/4	291.72	3/4	71.28	3/4		3/4			
7		7	2,566.37	7	2,312.02	7	2,058.63	7	1,803.24	7	1,549.85	7	1,296.45	7	1,043.06	7	789.67	7	536.28	7	286.97	7	67.13	7		7			
1/4		1/4	2,561.59	1/4	2,307.13	1/4	2,053.34	1/4	1,797.96	1/4	1,544.57	1/4	1,291.17	1/4	1,037.78	1/4	784.39	1/4	531.00	1/4	282.23	1/4	62.99	1/4		1/4			
1/2		1/2	2,556.81	1/2	2,299.46	1/2	2,046.07	1/2	1,792.68	1/2	1,539.29	1/2	1,285.90	1/2	1,032.50	1/2	779.11	1/2	525.72	1/2	277.49	1/2	58.85	1/2		1/2			
3/4		3/4	2,552.03	3/4	2,294.11	3/4	2,040.79	3/4	1,787.40	3/4	1,534.01	3/4	1,280.62	3/4	1,027.22	3/4	773.83	3/4	520.44	3/4	272.75	3/4	54.70	3/4		3/4			
8		8	2,547.63	8	2,289.91	8	2,035.51	8	1,782.12	8	1,528.73	8	1,275.34	8	1,021.95	8	768.55	8	515.16	8	268.01	8	50.56	8		8			
1/4		1/4	2,542.85	1/4	2,285.02	1/4	2,030.23	1/4	1,776.84	1/4	1,523.45	1/4	1,270.06	1/4	1,016.67	1/4	763.27	1/4	509.88	1/4	263.26	1/4	46.42	1/4		1/4			
1/2		1/2	2,538.07	1/2	2,280.13	1/2	2,024.96	1/2	1,771.56	1/2	1,518.17	1/2	1,264.78	1/2	1,011.39	1/2	758.00	1/2	504.60	1/2	258.52	1/2	42.28	1/2		1/2			
3/4		3/4	2,533.29	3/4	2,275.24	3/4	2,019.68	3/4	1,766.28	3/4	1,512.89	3/4	1,259.50	3/4	1,006.11	3/4	752.72	3/4	499.32	3/4	253.78	3/4	38.13	3/4		3/4			
9		9	2,528.79	9	2,270.99	9	2,014.40	9	1,761.01	9	1,507.61	9	1,254.22	9	1,000.83	9	747.44	9	494.05	9	249.04	9	34.44	9		9			
1/4		1/4	2,524.01	1/4	2,266.10	1/4	2,009.12	1/4	1,755.73	1/4	1,502.33	1/4	1,248.94	1/4	995.55	1/4	742.16	1/4	488.77	1/4	244.30	1/4	30.75	1/4		1/4			
1/2		1/2	2,519.23	1/2	2,261.21	1/2	2,003.84	1/2	1,750.45	1/2	1,497.06	1/2	1,243.66	1/2	990.27	1/2	736.88	1/2	483.49	1/2	239.55	1/2	27.06	1/2		1/2			
3/4		3/4	2,514.45	3/4	2,256.32	3/4	1,998.56	3/4	1,745.17	3/4	1,491.78	3/4	1,238.38	3/4	984.99	3/4	731.60	3/4	478.21	3/4	234.81	3/4	23.36	3/4		3/4			
10		10	2,509.81	10	2,248.42	10	1,993.28	10	1,739.89	10	1,486.50	10	1,233.11	10	979.71	10	726.32	10	472.93	10	230.07	10	20.57	10		10			
1/4		1/4	2,505.03	1/4	2,243.53	1/4	1,988.00	1/4	1,734.61	1/4	1,481.22	1/4	1,227.83	1/4	974.43	1/4	721.04	1/4	467.65	1/4	225.33	1/4	17.78	1/4		1/4			
1/2		1/2	2,500.25	1/2	2,238.64	1/2	1,982.72	1/2	1,729.33	1/2	1,475.94	1/2	1,222.55	1/2	969.16	1/2	715.76	1/2	462.37	1/2	220.59	1/2	14.99	1/2		1/2			
3/4		3/4	2,495.47	3/4	2,233.75	3/4	1,977.44	3/4	1,724.05																				



BARGE "MM-38" MAGNOLIA MARINE

OUTAGE TABLE

2 PORT OR STAR

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

HULL NO. 4590

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.			
N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I
0	0	2,994.21	0	2,732.36	0	2,454.73	0	2,177.10	0	1,899.47	0	1,621.84	0	1,344.20	0	1,066.57	0	788.94	0	511.31	0	233.91	0		0						
1/4	1/4	2,990.06	1/4	2,726.58	1/4	2,448.95	1/4	2,171.32	1/4	1,893.68	1/4	1,616.05	1/4	1,338.42	1/4	1,060.79	1/4	783.16	1/4	505.52	1/4	228.20	1/4		1/4						
1/2	1/2	2,985.92	1/2	2,720.80	1/2	2,443.16	1/2	2,165.53	1/2	1,887.90	1/2	1,610.27	1/2	1,332.64	1/2	1,055.00	1/2	777.37	1/2	499.74	1/2	222.50	1/2		1/2						
3/4	3/4	2,981.78	3/4	2,715.01	3/4	2,437.38	3/4	2,159.75	3/4	1,882.12	3/4	1,604.48	3/4	1,326.85	3/4	1,049.22	3/4	771.59	3/4	493.96	3/4	216.79	3/4		3/4						
1	1	2,977.64	1	2,709.23	1	2,431.60	1	2,153.96	1	1,876.33	1	1,598.70	1	1,321.07	1	1,043.44	1	765.80	1	488.17	1	211.09	1		1						
1/4	1/4	2,973.50	1/4	2,703.44	1/4	2,425.81	1/4	2,148.18	1/4	1,870.55	1/4	1,592.92	1/4	1,315.28	1/4	1,037.65	1/4	760.02	1/4	482.39	1/4	205.38	1/4		1/4						
1/2	1/2	2,969.35	1/2	2,697.66	1/2	2,420.03	1/2	2,142.40	1/2	1,864.76	1/2	1,587.13	1/2	1,309.50	1/2	1,031.87	1/2	754.24	1/2	476.60	1/2	199.67	1/2		1/2						
3/4	3/4	2,965.21	3/4	2,691.88	3/4	2,414.24	3/4	2,136.61	3/4	1,858.98	3/4	1,581.35	3/4	1,303.72	3/4	1,026.08	3/4	748.45	3/4	470.82	3/4	193.97	3/4		3/4						
2	2	2,959.97	2	2,686.09	2	2,408.46	2	2,130.83	2	1,853.20	2	1,575.56	2	1,297.93	2	1,020.30	2	742.67	2	465.04	2	188.26	2		2						
1/4	1/4	2,954.72	1/4	2,680.31	1/4	2,402.68	1/4	2,125.04	1/4	1,847.41	1/4	1,569.78	1/4	1,292.15	1/4	1,014.52	1/4	736.88	1/4	459.25	1/4	182.56	1/4		1/4						
1/2	1/2	2,949.47	1/2	2,674.52	1/2	2,396.89	1/2	2,119.26	1/2	1,841.63	1/2	1,564.00	1/2	1,286.36	1/2	1,008.73	1/2	731.10	1/2	453.47	1/2	176.85	1/2		1/2						
3/4	3/4	2,944.22	3/4	2,668.74	3/4	2,391.11	3/4	2,113.48	3/4	1,835.84	3/4	1,558.21	3/4	1,280.58	3/4	1,002.95	3/4	725.32	3/4	447.68	3/4	171.14	3/4		3/4						
3	3	2,938.98	3	2,662.96	3	2,385.32	3	2,107.69	3	1,830.06	3	1,552.43	3	1,274.80	3	997.16	3	719.53	3	441.90	3	165.44	3		3						
1/4	1/4	2,933.73	1/4	2,657.17	1/4	2,379.54	1/4	2,101.91	1/4	1,824.28	1/4	1,546.64	1/4	1,269.01	1/4	991.38	1/4	713.75	1/4	436.12	1/4	159.73	1/4		1/4						
1/2	1/2	2,928.48	1/2	2,651.39	1/2	2,373.76	1/2	2,096.12	1/2	1,818.49	1/2	1,540.86	1/2	1,263.23	1/2	985.60	1/2	707.96	1/2	430.33	1/2	154.03	1/2		1/2						
3/4	3/4	2,923.24	3/4	2,645.60	3/4	2,367.97	3/4	2,090.34	3/4	1,812.71	3/4	1,535.08	3/4	1,257.44	3/4	979.81	3/4	702.18	3/4	424.55	3/4	148.32	3/4		3/4						
4	4	2,917.45	4	2,639.82	4	2,362.19	4	2,084.56	4	1,806.92	4	1,529.29	4	1,251.66	4	974.03	4	696.40	4	418.76	4	142.61	4		4						
1/4	1/4	2,911.67	1/4	2,634.04	1/4	2,356.40	1/4	2,078.77	1/4	1,801.14	1/4	1,523.51	1/4	1,245.88	1/4	968.24	1/4	690.61	1/4	412.98	1/4	136.91	1/4		1/4						
1/2	1/2	2,905.88	1/2	2,628.25	1/2	2,350.62	1/2	2,072.99	1/2	1,795.36	1/2	1,517.72	1/2	1,240.09	1/2	962.46	1/2	684.83	1/2	407.20	1/2	131.20	1/2		1/2						
3/4	3/4	2,900.10	3/4	2,622.47	3/4	2,344.84	3/4	2,067.20	3/4	1,789.57	3/4	1,511.94	3/4	1,234.31	3/4	956.68	3/4	679.04	3/4	401.41	3/4	125.50	3/4		3/4						
5	5	2,894.32	5	2,616.68	5	2,339.05	5	2,061.42	5	1,783.79	5	1,506.16	5	1,228.52	5	950.89	5	673.26	5	395.63	5	119.79	5		5						
1/4	1/4	3,045.02	1/4	2,888.53	1/4	2,610.90	1/4	2,333.27	1/4	2,055.64	1/4	1,778.00	1/4	1,222.74	1/4	945.11	1/4	667.48	1/4	389.84	1/4	114.08	1/4		1/4						
1/2	1/2	3,044.88	1/2	2,882.75	1/2	2,605.12	1/2	2,327.48	1/2	2,049.85	1/2	1,772.22	1/2	1,216.96	1/2	939.32	1/2	661.69	1/2	384.06	1/2	108.38	1/2		1/2						
3/4	3/4	3,044.74	3/4	2,876.96	3/4	2,599.33	3/4	2,321.70	3/4	2,044.07	3/4	1,766.44	3/4	1,488.80	3/4	933.54	3/4	655.91	3/4	378.28	3/4	102.67	3/4		3/4						
6	6	3,043.91	6	2,871.18	6	2,593.55	6	2,315.92	6	2,038.28	6	1,760.65	6	1,483.02	6	927.76	6	650.12	6	372.49	6	96.97	6		6						
1/4	1/4	3,043.08	1/4	2,865.40	1/4	2,587.76	1/4	2,310.13	1/4	2,032.50	1/4	1,754.87	1/4	1,477.24	1/4	921.97	1/4	644.34	1/4	366.71	1/4	91.26	1/4		1/4						
1/2	1/2	3,042.26	1/2	2,859.61	1/2	2,581.98	1/2	2,304.35	1/2	2,026.72	1/2	1,749.08	1/2	1,471.45	1/2	916.19	1/2	638.56	1/2	360.92	1/2	85.55	1/2		1/2						
3/4	3/4	3,041.43	3/4	2,853.83	3/4	2,576.20	3/4	2,298.56	3/4	2,020.93	3/4	1,743.30	3/4	1,465.67	3/4	910.40	3/4	632.77	3/4	355.14	3/4	79.85	3/4		3/4						
7	7	3,040.60	7	2,848.04	7	2,570.41	7	2,292.78	7	2,015.15	7	1,737.52	7	1,459.88	7	904.62	7	626.99	7	349.36	7	74.14	7		7						
1/4	1/4	3,039.77	1/4	2,842.26	1/4	2,564.63	1/4	2,287.00	1/4	2,009.36	1/4	1,731.73	1/4	1,454.10	1/4	898.84	1/4	621.20	1/4	343.57	1/4	68.44	1/4		1/4						
1/2	1/2	3,038.94	1/2	2,836.48	1/2	2,558.84	1/2	2,281.21	1/2	2,003.58	1/2	1,725.95	1/2	1,448.32	1/2	893.05	1/2	615.42	1/2	337.79	1/2	62.73	1/2		1/2						
3/4	3/4	3,038.12	3/4	2,830.69	3/4	2,553.06	3/4	2,275.43	3/4	1,997.80	3/4	1,720.16	3/4	1,442.53	3/4	887.27	3/4	609.64	3/4	332.00	3/4	57.02	3/4		3/4						
8	8	3,036.18	8	2,824.91	8	2,547.28	8	2,269.64	8	1,992.01	8	1,714.38	8	1,436.75	8	881.48	8	603.85	8	326.22	8	51.32	8		8						
1/4	1/4	3,034.25	1/4	2,819.12	1/4	2,541.49	1/4	2,263.86	1/4	1,986.23	1/4	1,708.60	1/4	1,430.96	1/4	875.70	1/4	598.07	1/4	320.44	1/4	45.61	1/4		1/4						
1/2	1/2	3,032.32	1/2	2,813.34	1/2	2,535.71	1/2	2,258.08	1/2	1,980.44	1/2	1,702.81	1/2	1,425.18	1/2	869.92	1/2	592.28	1/2	314.65	1/2	40.63	1/2		1/2						
3/4	3/4	3,030.38	3/4	2,807.56	3/4	2,529.92	3/4	2,252.29	3/4	1,974.66	3/4	1,697.03	3/4	1,419.40	3/4	864.13	3/4	586.50	3/4	308.87	3/4	35.65	3/4		3/4						
9	9	3,028.45	9	2,801.77	9	2,524.14	9	2,246.51	9	1,968.88	9	1,691.24	9	1,413.61	9	858.35	9	580.72	9	303.08	9	30.67	9		9						
1/4	1/4	3,026.52	1/4	2,795.99	1/4	2,518.36	1/4	2,240.72	1/4	1,963.09	1/4	1,685.46	1/4	1,407.83	1/4	852.56	1/4	574.93	1/4	297.30	1/4	25.69	1/4		1/4						
1/2	1/2	3,024.59	1/2	2,790.20	1/2	2,512.57	1/2	2,234.94	1/2	1,957.31	1/2	1,679.68	1/2	1,402.04	1/2	846.78	1/2	569.15	1/2	291.52	1/2	22.16	1/2		1/2						
3/4	3/4	3,022.65	3/4	2,784.42	3/4	2,506.79	3/4	2,229.16	3/4	1,951.52	3/4	1,673.89	3/4	1,396.26	3/4	841.00	3/4	563.36	3/4	285.73	3/4	18.63	3/4		3/4						
10	10	3,019.61	10	2,778.64	10	2,501.00	10	2,223.37	10	1,945.74	10	1,668.11	10	1,390.48	10	835.21	10	557.58	10	279.95	10	15.09	10		10						
1/4	1/4	3,016.58	1/4	2,772.85	1/4	2,495.22	1/4	2,217.59	1/4	1,939.96	1/4	1,662.32	1/4	1,384.69	1/4	829.43	1/4	551.80	1/4	274.16	1/4	11.56	1/4		1/4						



BARGE "MM-38" MAGNOLIA MARINE

OUTAGE TABLE

3 STAR

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

HULL NO. 4590

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	2,948.30	0	2,690.52	0	2,417.12	0	2,143.71	0	1,870.30	0	1,596.89	0	1,323.48	0	1,050.08	0	776.67	0	503.26	0	230.10	0	0	0	0	0	0	0
1/4	1/4	2,944.22	1/4	2,684.83	1/4	2,411.42	1/4	2,138.01	1/4	1,864.60	1/4	1,591.20	1/4	1,317.79	1/4	1,044.38	1/4	770.97	1/4	497.56	1/4	224.49	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,940.15	1/2	2,679.13	1/2	2,405.72	1/2	2,132.32	1/2	1,858.91	1/2	1,585.50	1/2	1,312.09	1/2	1,038.68	1/2	765.28	1/2	491.87	1/2	218.88	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,936.08	3/4	2,673.44	3/4	2,400.03	3/4	2,126.62	3/4	1,853.21	3/4	1,579.80	3/4	1,306.40	3/4	1,032.99	3/4	759.58	3/4	486.17	3/4	213.26	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	2,932.00	1	2,667.74	1	2,394.33	1	2,120.92	1	1,847.52	1	1,574.11	1	1,300.70	1	1,027.29	1	753.88	1	480.48	1	207.65	1	1	1	1	1	1	1
1/4	1/4	2,927.93	1/4	2,662.04	1/4	2,388.64	1/4	2,115.23	1/4	1,841.82	1/4	1,568.41	1/4	1,295.00	1/4	1,021.60	1/4	748.19	1/4	474.78	1/4	202.04	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,923.85	1/2	2,656.35	1/2	2,382.94	1/2	2,109.53	1/2	1,836.12	1/2	1,562.72	1/2	1,289.31	1/2	1,015.90	1/2	742.49	1/2	469.08	1/2	196.42	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,919.78	3/4	2,650.65	3/4	2,377.24	3/4	2,103.84	3/4	1,830.43	3/4	1,557.02	3/4	1,283.61	3/4	1,010.20	3/4	736.80	3/4	463.39	3/4	190.81	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2,914.62	2	2,644.96	2	2,371.55	2	2,098.14	2	1,824.73	2	1,551.32	2	1,277.92	2	1,004.51	2	731.10	2	457.69	2	185.20	2	2	2	2	2	2	2
1/4	1/4	2,909.46	1/4	2,639.26	1/4	2,365.85	1/4	2,092.44	1/4	1,819.04	1/4	1,545.63	1/4	1,272.22	1/4	998.81	1/4	725.40	1/4	452.00	1/4	179.58	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,904.30	1/2	2,633.56	1/2	2,360.16	1/2	2,086.75	1/2	1,813.34	1/2	1,539.93	1/2	1,266.52	1/2	993.12	1/2	719.71	1/2	446.30	1/2	173.97	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,899.14	3/4	2,627.87	3/4	2,354.46	3/4	2,081.05	3/4	1,807.64	3/4	1,534.24	3/4	1,260.83	3/4	987.42	3/4	714.01	3/4	440.60	3/4	168.36	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	2,893.98	3	2,622.17	3	2,348.76	3	2,075.36	3	1,801.95	3	1,528.54	3	1,255.13	3	981.72	3	708.32	3	434.91	3	162.75	3	3	3	3	3	3	3
1/4	1/4	2,888.81	1/4	2,616.48	1/4	2,343.07	1/4	2,069.66	1/4	1,796.25	1/4	1,522.84	1/4	1,249.44	1/4	976.03	1/4	702.62	1/4	429.21	1/4	157.13	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,883.65	1/2	2,610.78	1/2	2,337.37	1/2	2,063.96	1/2	1,790.56	1/2	1,517.15	1/2	1,243.74	1/2	970.33	1/2	696.92	1/2	423.52	1/2	151.52	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,878.49	3/4	2,605.08	3/4	2,331.68	3/4	2,058.27	3/4	1,784.86	3/4	1,511.45	3/4	1,238.04	3/4	964.64	3/4	691.23	3/4	417.82	3/4	145.91	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	2,872.80	4	2,599.39	4	2,325.98	4	2,052.57	4	1,779.16	4	1,505.76	4	1,232.35	4	958.94	4	685.53	4	412.12	4	140.29	4	4	4	4	4	4	4
1/4	1/4	2,867.10	1/4	2,593.69	1/4	2,320.28	1/4	2,046.88	1/4	1,773.47	1/4	1,500.06	1/4	1,226.65	1/4	953.24	1/4	679.84	1/4	406.43	1/4	134.68	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,861.40	1/2	2,588.00	1/2	2,314.59	1/2	2,041.18	1/2	1,767.77	1/2	1,494.36	1/2	1,220.96	1/2	947.55	1/2	674.14	1/2	400.73	1/2	129.07	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,855.71	3/4	2,582.30	3/4	2,308.89	3/4	2,035.48	3/4	1,762.08	3/4	1,488.67	3/4	1,215.26	3/4	941.85	3/4	668.44	3/4	395.04	3/4	123.45	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	2,850.01	5	2,576.60	5	2,303.20	5	2,029.79	5	1,756.38	5	1,482.97	5	1,209.56	5	936.16	5	662.75	5	389.34	5	117.84	5	5	5	5	5	5	5
1/4	1/4	2,998.28	1/4	2,844.32	1/4	2,570.91	1/4	2,297.50	1/4	1,750.68	1/4	1,477.28	1/4	1,203.87	1/4	930.46	1/4	657.05	1/4	383.64	1/4	112.23	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,998.15	1/2	2,838.62	1/2	2,565.21	1/2	2,291.80	1/2	1,748.40	1/2	1,471.58	1/2	1,198.17	1/2	924.76	1/2	651.36	1/2	377.95	1/2	106.62	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,998.01	3/4	2,832.92	3/4	2,559.52	3/4	2,286.11	3/4	1,739.29	3/4	1,465.88	3/4	1,192.48	3/4	919.07	3/4	645.66	3/4	372.25	3/4	101.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	2,997.20	6	2,827.23	6	2,553.82	6	2,280.41	6	1,733.60	6	1,460.19	6	1,186.78	6	913.37	6	639.96	6	366.56	6	95.39	6	6	6	6	6	6	6
1/4	1/4	2,996.38	1/4	2,821.53	1/4	2,548.12	1/4	2,274.72	1/4	1,727.90	1/4	1,454.49	1/4	1,181.08	1/4	907.68	1/4	634.27	1/4	360.86	1/4	89.78	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,995.57	1/2	2,815.84	1/2	2,542.43	1/2	2,269.02	1/2	1,995.61	1/2	1,722.20	1/2	1,448.80	1/2	901.98	1/2	628.57	1/2	355.16	1/2	84.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,994.75	3/4	2,810.14	3/4	2,536.73	3/4	2,263.32	3/4	1,989.92	3/4	1,716.51	3/4	1,443.10	3/4	896.28	3/4	622.88	3/4	349.47	3/4	78.55	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	2,993.94	7	2,804.44	7	2,531.04	7	2,257.63	7	1,984.22	7	1,710.81	7	1,437.40	7	890.59	7	617.18	7	343.77	7	72.94	7	7	7	7	7	7	7
1/4	1/4	2,993.12	1/4	2,798.75	1/4	2,525.34	1/4	2,251.93	1/4	1,978.52	1/4	1,705.12	1/4	1,431.71	1/4	884.89	1/4	611.48	1/4	338.08	1/4	67.32	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,992.31	1/2	2,793.05	1/2	2,519.64	1/2	2,246.24	1/2	1,972.83	1/2	1,699.42	1/2	1,426.01	1/2	879.20	1/2	605.79	1/2	332.38	1/2	61.71	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,991.49	3/4	2,787.36	3/4	2,513.95	3/4	2,240.54	3/4	1,967.13	3/4	1,693.72	3/4	1,420.32	3/4	873.50	3/4	600.09	3/4	326.68	3/4	56.10	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	2,989.59	8	2,781.66	8	2,508.25	8	2,234.84	8	1,961.44	8	1,688.03	8	1,414.62	8	867.80	8	594.40	8	320.99	8	50.49	8	8	8	8	8	8	8
1/4	1/4	2,987.69	1/4	2,775.96	1/4	2,502.56	1/4	2,229.15	1/4	1,955.74	1/4	1,682.33	1/4	1,408.92	1/4	862.11	1/4	588.70	1/4	315.29	1/4	44.87	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,985.79	1/2	2,770.27	1/2	2,496.86	1/2	2,223.45	1/2	1,950.04	1/2	1,676.64	1/2	1,403.23	1/2	856.41	1/2	583.00	1/2	309.60	1/2	39.97	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,983.88	3/4	2,764.57	3/4	2,491.16	3/4	2,217.76	3/4	1,944.35	3/4	1,670.94	3/4	1,397.53	3/4	850.72	3/4	577.31	3/4	303.90	3/4	35.07	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	2,981.98	9	2,758.88	9	2,485.47	9	2,212.06	9	1,938.65	9	1,665.24	9	1,391.84	9	845.02	9	571.61	9	298.20	9	30.17	9	9	9	9	9	9	9
1/4	1/4	2,980.08	1/4	2,753.18	1/4	2,479.77	1/4	2,206.36	1/4	1,932.96	1/4	1,659.55	1/4	1,386.14	1/4	839.32	1/4	565.92	1/4	292.51	1/4	25.27	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,978.18	1/2	2,747.48	1/2	2,474.08	1/2	2,200.67	1/2	1,927.26	1/2	1,653.85	1/2	1,380.44	1/2	833.63	1/2	560.22	1/2	286.81	1/2	21.80	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,976.28	3/4	2,741.79	3/4	2,468.38	3/4	2,194.97	3/4	1,921.56	3/4	1,648.16	3/4	1,374.75	3/4	827.93	3/4	554.52	3/4	281.12	3/4	18.33	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	2,973.29	10	2,736.09	10	2,462.68	10	2,189.28	10	1,915.87	10	1,642.46	10	1,369.05	10	822.24	10												



BARGE "MM-38" MAGNOLIA MARINE

OUTAGE TABLE

3 PORT

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

HULL NO. 4590

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	2,952.37	0	2,696.22	0	2,422.81	0	2,149.40	0	1,876.00	0	1,602.59	0	1,329.18	0	1,055.77	0	782.36	0	508.96	0	235.71	0	0	0	0	0	0	0
1/4	1/4	2,948.30	1/4	2,690.52	1/4	2,417.12	1/4	2,143.71	1/4	1,870.30	1/4	1,596.89	1/4	1,323.48	1/4	1,050.08	1/4	776.67	1/4	503.26	1/4	230.10	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,944.22	1/2	2,684.83	1/2	2,411.42	1/2	2,138.01	1/2	1,864.60	1/2	1,591.20	1/2	1,317.79	1/2	1,044.38	1/2	770.97	1/2	497.56	1/2	224.49	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,940.15	3/4	2,679.13	3/4	2,405.72	3/4	2,132.32	3/4	1,858.91	3/4	1,585.50	3/4	1,312.09	3/4	1,038.68	3/4	765.28	3/4	491.87	3/4	218.88	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	2,936.08	1	2,673.44	1	2,400.03	1	2,126.62	1	1,853.21	1	1,579.80	1	1,306.40	1	1,032.99	1	759.58	1	486.17	1	213.26	1	1	1	1	1	1	1
1/4	1/4	2,932.00	1/4	2,667.74	1/4	2,394.33	1/4	2,120.92	1/4	1,847.52	1/4	1,574.11	1/4	1,300.70	1/4	1,027.29	1/4	753.88	1/4	480.48	1/4	207.65	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,927.93	1/2	2,662.04	1/2	2,388.64	1/2	2,115.23	1/2	1,841.82	1/2	1,568.41	1/2	1,295.00	1/2	1,021.60	1/2	748.19	1/2	474.78	1/2	202.04	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,923.85	3/4	2,656.35	3/4	2,382.94	3/4	2,109.53	3/4	1,836.12	3/4	1,562.72	3/4	1,289.31	3/4	1,015.90	3/4	742.49	3/4	469.08	3/4	196.42	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2,919.78	2	2,650.65	2	2,377.24	2	2,103.84	2	1,830.43	2	1,557.02	2	1,283.61	2	1,010.20	2	736.80	2	463.39	2	190.81	2	2	2	2	2	2	2
1/4	1/4	2,914.62	1/4	2,644.96	1/4	2,371.55	1/4	2,098.14	1/4	1,824.73	1/4	1,551.32	1/4	1,277.92	1/4	1,004.51	1/4	731.10	1/4	457.69	1/4	185.20	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,909.46	1/2	2,639.26	1/2	2,365.85	1/2	2,092.44	1/2	1,819.04	1/2	1,545.63	1/2	1,272.22	1/2	998.81	1/2	725.40	1/2	452.00	1/2	179.58	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,904.30	3/4	2,633.56	3/4	2,360.16	3/4	2,086.75	3/4	1,813.34	3/4	1,539.93	3/4	1,266.52	3/4	993.12	3/4	719.71	3/4	446.30	3/4	173.97	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	2,899.14	3	2,627.87	3	2,354.46	3	2,081.05	3	1,807.64	3	1,534.24	3	1,260.83	3	987.42	3	714.01	3	440.60	3	168.36	3	3	3	3	3	3	3
1/4	1/4	2,893.98	1/4	2,622.17	1/4	2,348.76	1/4	2,075.36	1/4	1,801.95	1/4	1,528.54	1/4	1,255.13	1/4	981.72	1/4	708.32	1/4	434.91	1/4	162.75	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,888.81	1/2	2,616.48	1/2	2,343.07	1/2	2,069.66	1/2	1,796.25	1/2	1,522.84	1/2	1,249.44	1/2	976.03	1/2	702.62	1/2	429.21	1/2	157.13	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,883.65	3/4	2,610.78	3/4	2,337.37	3/4	2,063.96	3/4	1,790.56	3/4	1,517.15	3/4	1,243.74	3/4	970.33	3/4	696.92	3/4	423.52	3/4	151.52	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	2,878.49	4	2,605.08	4	2,331.68	4	2,058.27	4	1,784.86	4	1,511.45	4	1,238.04	4	964.64	4	691.23	4	417.82	4	145.91	4	4	4	4	4	4	4
1/4	1/4	2,872.80	1/4	2,599.39	1/4	2,325.98	1/4	2,052.57	1/4	1,779.16	1/4	1,505.76	1/4	1,232.35	1/4	958.94	1/4	685.53	1/4	412.12	1/4	140.29	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,867.10	1/2	2,593.69	1/2	2,320.28	1/2	2,046.88	1/2	1,773.47	1/2	1,500.06	1/2	1,226.65	1/2	953.24	1/2	679.84	1/2	406.43	1/2	134.68	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,861.40	3/4	2,588.00	3/4	2,314.59	3/4	2,041.18	3/4	1,767.77	3/4	1,494.36	3/4	1,220.96	3/4	947.55	3/4	674.14	3/4	400.73	3/4	129.07	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	2,855.71	5	2,582.30	5	2,308.89	5	2,035.48	5	1,762.08	5	1,488.67	5	1,215.26	5	941.85	5	668.44	5	395.04	5	123.45	5	5	5	5	5	5	5
1/4	1/4	2,850.01	1/4	2,576.60	1/4	2,303.20	1/4	2,029.79	1/4	1,756.38	1/4	1,482.97	1/4	1,209.56	1/4	936.16	1/4	662.75	1/4	389.34	1/4	117.84	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,998.28	1/2	2,844.32	1/2	2,570.91	1/2	2,297.50	1/2	2,024.09	1/2	1,750.68	1/2	1,477.28	1/2	1,203.87	1/2	930.46	1/2	657.05	1/2	112.23	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,998.15	3/4	2,838.62	3/4	2,565.21	3/4	2,291.80	3/4	2,018.40	3/4	1,744.99	3/4	1,471.58	3/4	1,198.17	3/4	924.76	3/4	651.36	3/4	106.62	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	2,998.01	6	2,832.92	6	2,559.52	6	2,286.11	6	2,012.70	6	1,739.29	6	1,465.88	6	1,192.48	6	919.07	6	645.66	6	372.25	6	6	6	6	6	6	6
1/4	1/4	2,997.20	1/4	2,827.23	1/4	2,553.82	1/4	2,280.41	1/4	2,007.00	1/4	1,733.60	1/4	1,460.19	1/4	1,186.78	1/4	913.37	1/4	639.96	1/4	366.56	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,996.38	1/2	2,821.53	1/2	2,548.12	1/2	2,274.72	1/2	2,001.31	1/2	1,727.90	1/2	1,454.49	1/2	1,181.08	1/2	907.68	1/2	634.27	1/2	360.86	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,995.57	3/4	2,815.84	3/4	2,542.43	3/4	2,269.02	3/4	1,995.61	3/4	1,722.20	3/4	1,448.80	3/4	1,175.39	3/4	901.98	3/4	628.57	3/4	355.16	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	2,994.75	7	2,810.14	7	2,536.73	7	2,263.32	7	1,989.92	7	1,716.51	7	1,443.10	7	1,169.69	7	896.28	7	622.88	7	349.47	7	7	7	7	7	7	7
1/4	1/4	2,993.94	1/4	2,804.44	1/4	2,531.04	1/4	2,257.63	1/4	1,984.22	1/4	1,710.81	1/4	1,437.40	1/4	1,164.00	1/4	890.59	1/4	617.18	1/4	343.77	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,993.12	1/2	2,798.75	1/2	2,525.34	1/2	2,251.93	1/2	1,978.52	1/2	1,705.12	1/2	1,431.71	1/2	1,158.30	1/2	884.89	1/2	611.48	1/2	338.08	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,992.31	3/4	2,793.05	3/4	2,519.64	3/4	2,246.24	3/4	1,972.83	3/4	1,699.42	3/4	1,426.01	3/4	1,152.60	3/4	879.20	3/4	605.79	3/4	332.38	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	2,991.49	8	2,787.36	8	2,513.95	8	2,240.54	8	1,967.13	8	1,693.72	8	1,420.32	8	1,146.91	8	873.50	8	600.09	8	326.68	8	8	8	8	8	8	8
1/4	1/4	2,989.59	1/4	2,781.66	1/4	2,508.25	1/4	2,234.84	1/4	1,961.44	1/4	1,688.03	1/4	1,414.62	1/4	1,141.21	1/4	867.80	1/4	594.40	1/4	320.99	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,987.69	1/2	2,775.96	1/2	2,502.56	1/2	2,229.15	1/2	1,955.74	1/2	1,682.33	1/2	1,408.92	1/2	1,135.52	1/2	862.11	1/2	588.70	1/2	315.29	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,985.79	3/4	2,770.27	3/4	2,496.86	3/4	2,223.45	3/4	1,950.04	3/4	1,676.64	3/4	1,403.23	3/4	1,129.82	3/4	856.41	3/4	583.00	3/4	309.60	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	2,983.88	9	2,764.57	9	2,491.16	9	2,217.76	9	1,944.35	9	1,670.94	9	1,397.53	9	1,124.12	9	850.72	9	577.31	9	303.90	9	9	9	9	9	9	9
1/4	1/4	2,981.98	1/4	2,758.88	1/4	2,485.47	1/4	2,212.06	1/4	1,938.65	1/4	1,665.24	1/4	1,391.84	1/4	1,118.43	1/4	845.02	1/4	571.61	1/4	298.20	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,980.08	1/2	2,753.18	1/2	2,479.77	1/2	2,206.36	1/2	1,932.96	1/2	1,659.55	1/2	1,386.14	1/2	1,112.73	1/2	839.32	1/2	565.92	1/2	292.51	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,978.18	3/4	2,747.48	3/4	2,474.08	3/4	2,200.67	3/4	1,927.26	3/4	1,653.85	3/4	1,380.44	3/4	1,107.04	3/4	833.63	3/4	560.22	3/4	286.81	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	2,976.28	10	2,741.79	10	2,468.38	10	2,194.97	10	1,921.56	10	1,648.1																	



BARGE "MM-38" MAGNOLIA MARINE

OUTAGE TABLE

4 PORT OR STAR

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

HULL NO. 4590

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0	3,021.12	0	2,754.96	0	2,474.40	0	2,193.84	0	1,913.28	0	1,632.72	0	1,352.16	0	1,071.60	0	791.04	0	510.48	0	230.27	0		0		0			
1/4		1/4	3,016.94	1/4	2,749.12	1/4	2,468.56	1/4	2,188.00	1/4	1,907.44	1/4	1,626.88	1/4	1,346.32	1/4	1,065.76	1/4	785.20	1/4	504.64	1/4	224.51	1/4		1/4		1/4			
1/2		1/2	3,012.76	1/2	2,743.27	1/2	2,462.71	1/2	2,182.15	1/2	1,901.59	1/2	1,621.03	1/2	1,340.47	1/2	1,059.91	1/2	779.35	1/2	498.79	1/2	218.76	1/2		1/2		1/2			
3/4		3/4	3,008.58	3/4	2,737.43	3/4	2,456.87	3/4	2,176.31	3/4	1,895.75	3/4	1,615.19	3/4	1,334.63	3/4	1,054.07	3/4	773.51	3/4	492.95	3/4	213.00	3/4		3/4		3/4			
1		1	3,004.40	1	2,731.58	1	2,451.02	1	2,170.46	1	1,889.90	1	1,609.34	1	1,328.78	1	1,048.22	1	767.66	1	487.10	1	207.24	1		1		1			
1/4		1/4	3,000.23	1/4	2,725.74	1/4	2,445.18	1/4	2,164.62	1/4	1,884.06	1/4	1,603.50	1/4	1,322.94	1/4	1,042.38	1/4	761.82	1/4	481.26	1/4	201.48	1/4		1/4		1/4			
1/2		1/2	2,996.05	1/2	2,719.89	1/2	2,439.33	1/2	2,158.77	1/2	1,878.21	1/2	1,597.65	1/2	1,317.09	1/2	1,036.53	1/2	755.97	1/2	475.41	1/2	195.72	1/2		1/2		1/2			
3/4		3/4	2,990.75	3/4	2,714.05	3/4	2,433.49	3/4	2,152.93	3/4	1,872.37	3/4	1,591.81	3/4	1,311.25	3/4	1,030.69	3/4	750.13	3/4	469.57	3/4	189.97	3/4		3/4		3/4			
2		2	2,985.46	2	2,708.20	2	2,427.64	2	2,147.08	2	1,866.52	2	1,585.96	2	1,305.40	2	1,024.84	2	744.28	2	463.72	2	184.21	2		2		2			
1/4		1/4	2,980.16	1/4	2,702.36	1/4	2,421.80	1/4	2,141.24	1/4	1,860.68	1/4	1,580.12	1/4	1,299.56	1/4	1,019.00	1/4	738.44	1/4	457.88	1/4	178.45	1/4		1/4		1/4			
1/2		1/2	2,974.87	1/2	2,696.51	1/2	2,415.95	1/2	2,135.39	1/2	1,854.83	1/2	1,574.27	1/2	1,293.71	1/2	1,013.15	1/2	732.59	1/2	452.03	1/2	172.69	1/2		1/2		1/2			
3/4		3/4	2,969.58	3/4	2,690.67	3/4	2,410.11	3/4	2,129.55	3/4	1,848.99	3/4	1,568.43	3/4	1,287.87	3/4	1,007.31	3/4	726.75	3/4	446.19	3/4	166.93	3/4		3/4		3/4			
3		3	2,964.28	3	2,684.82	3	2,404.26	3	2,123.70	3	1,843.14	3	1,562.58	3	1,282.02	3	1,001.46	3	720.90	3	440.34	3	161.18	3		3		3			
1/4		1/4	2,958.99	1/4	2,678.98	1/4	2,398.42	1/4	2,117.86	1/4	1,837.30	1/4	1,556.74	1/4	1,276.18	1/4	995.62	1/4	715.06	1/4	434.50	1/4	155.42	1/4		1/4		1/4			
1/2		1/2	2,953.69	1/2	2,673.13	1/2	2,392.57	1/2	2,112.01	1/2	1,831.45	1/2	1,550.89	1/2	1,270.33	1/2	989.77	1/2	709.21	1/2	428.65	1/2	149.66	1/2		1/2		1/2			
3/4		3/4	2,947.85	3/4	2,667.29	3/4	2,386.73	3/4	2,106.17	3/4	1,825.61	3/4	1,545.05	3/4	1,264.49	3/4	983.93	3/4	703.37	3/4	422.81	3/4	143.90	3/4		3/4		3/4			
4		4	2,942.00	4	2,661.44	4	2,380.88	4	2,100.32	4	1,819.76	4	1,539.20	4	1,258.64	4	978.08	4	697.52	4	416.96	4	138.14	4		4		4			
1/4		1/4	2,936.16	1/4	2,655.60	1/4	2,375.04	1/4	2,094.48	1/4	1,813.92	1/4	1,533.36	1/4	1,252.80	1/4	972.24	1/4	691.68	1/4	411.12	1/4	132.39	1/4		1/4		1/4			
1/2		1/2	2,930.31	1/2	2,649.75	1/2	2,369.19	1/2	2,088.63	1/2	1,808.07	1/2	1,527.51	1/2	1,246.95	1/2	966.39	1/2	685.83	1/2	405.27	1/2	126.63	1/2		1/2		1/2			
3/4		3/4	2,924.47	3/4	2,643.91	3/4	2,363.35	3/4	2,082.79	3/4	1,802.23	3/4	1,521.67	3/4	1,241.11	3/4	960.55	3/4	679.99	3/4	399.43	3/4	120.87	3/4		3/4		3/4			
5	3,076.57	5	2,918.62	5	2,638.06	5	2,357.50	5	2,076.94	5	1,796.38	5	1,515.82	5	1,235.26	5	954.70	5	674.14	5	393.58	5	115.11	5		5		5			
1/4	3,076.43	1/4	2,912.78	1/4	2,632.22	1/4	2,351.66	1/4	2,071.10	1/4	1,790.54	1/4	1,509.98	1/4	1,229.42	1/4	948.86	1/4	668.30	1/4	387.74	1/4	109.35	1/4		1/4		1/4			
1/2	3,076.29	1/2	2,906.93	1/2	2,626.37	1/2	2,345.81	1/2	2,065.25	1/2	1,784.69	1/2	1,504.13	1/2	1,223.57	1/2	943.01	1/2	662.45	1/2	381.89	1/2	103.60	1/2		1/2		1/2			
3/4	3,075.46	3/4	2,901.09	3/4	2,620.53	3/4	2,339.97	3/4	2,059.41	3/4	1,778.85	3/4	1,498.29	3/4	1,217.73	3/4	937.17	3/4	656.61	3/4	376.05	3/4	97.84	3/4		3/4		3/4			
6	3,074.62	6	2,895.24	6	2,614.68	6	2,334.12	6	2,053.56	6	1,773.00	6	1,492.44	6	1,211.88	6	931.32	6	650.76	6	370.20	6	92.08	6		6		6			
1/4	3,073.79	1/4	2,889.40	1/4	2,608.84	1/4	2,328.28	1/4	2,047.72	1/4	1,767.16	1/4	1,486.60	1/4	1,206.04	1/4	925.48	1/4	644.92	1/4	364.36	1/4	86.32	1/4		1/4		1/4			
1/2	3,072.95	1/2	2,883.55	1/2	2,602.99	1/2	2,322.43	1/2	2,041.87	1/2	1,761.31	1/2	1,480.75	1/2	1,200.19	1/2	919.63	1/2	639.07	1/2	358.51	1/2	80.56	1/2		1/2		1/2			
3/4	3,072.11	3/4	2,877.71	3/4	2,597.15	3/4	2,316.59	3/4	2,036.03	3/4	1,755.47	3/4	1,474.91	3/4	1,194.35	3/4	913.79	3/4	633.23	3/4	352.67	3/4	74.81	3/4		3/4		3/4			
7	3,071.28	7	2,871.86	7	2,591.30	7	2,310.74	7	2,030.18	7	1,749.62	7	1,469.06	7	1,188.50	7	907.94	7	627.38	7	346.82	7	69.05	7		7		7			
1/4	3,070.44	1/4	2,866.02	1/4	2,585.46	1/4	2,304.90	1/4	2,024.34	1/4	1,743.78	1/4	1,463.22	1/4	1,182.66	1/4	902.10	1/4	621.54	1/4	340.98	1/4	63.29	1/4		1/4		1/4			
1/2	3,069.61	1/2	2,860.17	1/2	2,579.61	1/2	2,299.05	1/2	2,018.49	1/2	1,737.93	1/2	1,457.37	1/2	1,176.81	1/2	896.25	1/2	615.69	1/2	335.13	1/2	57.53	1/2		1/2		1/2			
3/4	3,067.66	3/4	2,854.33	3/4	2,573.77	3/4	2,293.21	3/4	2,012.65	3/4	1,732.09	3/4	1,451.53	3/4	1,170.97	3/4	890.41	3/4	609.85	3/4	329.29	3/4	51.77	3/4		3/4		3/4			
8	3,065.70	8	2,848.48	8	2,567.92	8	2,287.36	8	2,006.80	8	1,726.24	8	1,445.68	8	1,165.12	8	884.56	8	604.00	8	323.44	8	46.02	8		8		8			
1/4	3,063.75	1/4	2,842.64	1/4	2,562.08	1/4	2,281.52	1/4	2,000.96	1/4	1,720.40	1/4	1,439.84	1/4	1,159.28	1/4	878.72	1/4	598.16	1/4	317.60	1/4	40.99	1/4		1/4		1/4			
1/2	3,061.80	1/2	2,836.79	1/2	2,556.23	1/2	2,275.67	1/2	1,995.11	1/2	1,714.55	1/2	1,433.99	1/2	1,153.43	1/2	872.87	1/2	592.31	1/2	311.75	1/2	35.96	1/2		1/2		1/2			
3/4	3,059.85	3/4	2,830.95	3/4	2,550.39	3/4	2,269.83	3/4	1,989.27	3/4	1,708.71	3/4	1,428.15	3/4	1,147.59	3/4	867.03	3/4	586.47	3/4	305.91	3/4	30.94	3/4		3/4		3/4			
9	3,057.90	9	2,825.10	9	2,544.54	9	2,263.98	9	1,983.42	9	1,702.86	9	1,422.30	9	1,141.74	9	861.18	9	580.62	9	300.06	9	25.91	9		9		9			
1/4	3,055.95	1/4	2,819.26	1/4	2,538.70	1/4	2,258.14	1/4	1,977.58	1/4	1,697.02	1/4	1,416.46	1/4	1,135.90	1/4	855.34	1/4	574.78	1/4	294.22	1/4	22.35	1/4		1/4		1/4			
1/2	3,054.00	1/2	2,813.41	1/2	2,532.85	1/2	2,252.29	1/2	1,971.73	1/2	1,691.17	1/2	1,410.61	1/2	1,130.05	1/2	849.49	1/2	568.93	1/2	288.37	1/2	18.79	1/2		1/2		1/2			
3/4	3,050.93	3/4	2,807.57	3/4	2,527.01	3/4	2,246.45	3/4	1,965.89	3/4	1,685.33	3/4	1,404.77	3/4	1,124.21	3/4	843.65	3/4	563.09	3/4	282.53	3/4	15.23	3/4		3/4		3/4			
10	3,047.87	10	2,801.72	10	2,521.16	10	2,240.60	10	1,960.04	10	1,679.48	10	1,398.92	10	1,118.36	10	837.80	10	557.24	10	276.68	10	* 11.66	10		10		10			
1/4	3,044.80	1/4	2,795.88	1/4	2,515.32	1/4	2,234.76	1/4	1,954.20	1/4	1,673.64	1/4	1,393.08	1/4	1,112.52	1/4	831.96	1/4	551.40	1/4	270.84	1									