



INSPECTORATE
ISO 9002 ACCREDITED

BARGE "EMS 309"
Enterprise Marine Services LLC

OUTAGE TABLE

1 PORT OR STAR

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

HULL NO. 4159

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.							
M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N
0	0	5,004.65	0	4,713.47	0	4,347.16	0	3,900.44	0	3,613.72	0	3,247.00	0	2,880.28	0	2,513.56	0	2,146.84	0	1,780.12	0	1,413.40	0	1,046.68	0	679.96	0	313.24	0						
1/4	1/4	5,002.71	1/4	4,705.86	1/4	4,339.52	1/4	3,972.80	1/4	3,606.08	1/4	3,239.36	1/4	2,872.64	1/4	2,505.92	1/4	2,139.20	1/4	1,772.48	1/4	1,405.76	1/4	1,039.04	1/4	673.32	1/4	305.60	1/4						
1/2	1/2	5,000.78	1/2	4,698.25	1/2	4,331.88	1/2	3,965.16	1/2	3,598.44	1/2	3,231.72	1/2	2,865.00	1/2	2,498.28	1/2	2,131.56	1/2	1,764.84	1/2	1,398.12	1/2	1,031.40	1/2	664.88	1/2	297.96	1/2						
3/4	3/4	4,997.97	3/4	4,693.64	3/4	4,324.24	3/4	3,957.52	3/4	3,590.80	3/4	3,224.08	3/4	2,857.36	3/4	2,490.64	3/4	2,123.92	3/4	1,757.20	3/4	1,390.48	3/4	1,023.76	3/4	657.04	3/4	290.32	3/4						
1	1	4,995.16	1	4,683.02	1	4,316.60	1	3,949.88	1	3,583.16	1	3,216.44	1	2,849.72	1	2,483.00	1	2,116.28	1	1,749.56	1	1,382.84	1	1,016.12	1	649.40	1	282.68	1						
1/4	1/4	4,992.35	1/4	4,675.41	1/4	4,308.96	1/4	3,942.24	1/4	3,575.52	1/4	3,208.80	1/4	2,842.08	1/4	2,475.36	1/4	2,108.52	1/4	1,741.80	1/4	1,374.92	1/4	1,008.48	1/4	641.76	1/4	275.04	1/4						
1/2	1/2	4,989.54	1/2	4,667.80	1/2	4,301.32	1/2	3,934.60	1/2	3,567.88	1/2	3,201.16	1/2	2,834.44	1/2	2,467.72	1/2	2,101.00	1/2	1,734.28	1/2	1,367.56	1/2	1,000.84	1/2	634.12	1/2	267.04	1/2						
3/4	3/4	4,985.86	3/4	4,660.18	3/4	4,293.68	3/4	3,926.96	3/4	3,560.24	3/4	3,193.52	3/4	2,826.80	3/4	2,460.08	3/4	2,093.36	3/4	1,726.64	3/4	1,352.28	3/4	993.20	3/4	626.48	3/4	259.20	3/4						
2	2	4,982.18	2	4,652.57	2	4,286.04	2	3,919.32	2	3,552.60	2	3,185.88	2	2,819.16	2	2,452.44	2	2,085.72	2	1,719.00	2	1,352.28	2	985.56	2	618.84	2	252.12	2						
1/4	1/4	4,978.50	1/4	4,644.96	1/4	4,278.40	1/4	3,911.68	1/4	3,544.96	1/4	3,178.24	1/4	2,811.52	1/4	2,444.80	1/4	2,078.08	1/4	1,711.36	1/4	1,344.64	1/4	977.92	1/4	611.20	1/4	244.48	1/4						
1/2	1/2	4,974.81	1/2	4,637.34	1/2	4,270.76	1/2	3,904.04	1/2	3,537.32	1/2	3,170.60	1/2	2,803.88	1/2	2,437.16	1/2	2,064.80	1/2	1,703.72	1/2	1,337.00	1/2	970.28	1/2	603.56	1/2	236.84	1/2						
3/4	3/4	4,970.26	3/4	4,629.73	3/4	4,263.12	3/4	3,896.60	3/4	3,529.88	3/4	3,152.96	3/4	2,786.24	3/4	2,423.52	3/4	2,052.80	3/4	1,686.08	3/4	1,329.36	3/4	962.64	3/4	595.92	3/4	229.20	3/4						
3	3	4,965.70	3	4,622.12	3	4,255.48	3	3,888.76	3	3,522.04	3	3,155.32	3	2,788.60	3	2,421.88	3	2,051.88	3	1,688.44	3	1,321.72	3	955.00	3	580.28	3	221.56	3						
1/4	1/4	4,961.15	1/4	4,614.51	1/4	4,247.84	1/4	3,881.12	1/4	3,514.40	1/4	3,147.68	1/4	2,780.96	1/4	2,414.24	1/4	2,047.52	1/4	1,680.80	1/4	1,314.08	1/4	947.36	1/4	580.64	1/4	213.92	1/4						
1/2	1/2	4,956.59	1/2	4,606.89	1/2	4,240.20	1/2	3,873.48	1/2	3,506.76	1/2	3,140.04	1/2	2,773.32	1/2	2,406.60	1/2	2,039.88	1/2	1,673.16	1/2	1,306.44	1/2	939.72	1/2	573.00	1/2	206.28	1/2						
3/4	3/4	4,951.16	3/4	4,599.28	3/4	4,232.56	3/4	3,865.84	3/4	3,499.12	3/4	3,132.40	3/4	2,765.68	3/4	2,404.00	3/4	2,038.96	3/4	1,665.52	3/4	1,298.80	3/4	932.08	3/4	565.36	3/4	198.64	3/4						
4	4	4,945.73	4	4,591.64	4	4,224.92	4	3,858.20	4	3,491.48	4	3,124.76	4	2,758.04	4	2,391.32	4	2,024.60	4	1,657.88	4	1,291.16	4	924.44	4	557.72	4	191.00	4						
1/4	1/4	4,940.30	1/4	4,584.00	1/4	4,217.28	1/4	3,850.56	1/4	3,483.84	1/4	3,117.12	1/4	2,750.40	1/4	2,383.68	1/4	2,016.96	1/4	1,646.24	1/4	1,285.88	1/4	916.80	1/4	550.08	1/4	183.36	1/4						
1/2	1/2	4,934.87	1/2	4,576.36	1/2	4,209.64	1/2	3,842.92	1/2	3,476.20	1/2	3,104.88	1/2	2,742.76	1/2	2,376.04	1/2	2,009.32	1/2	1,635.60	1/2	1,275.88	1/2	909.16	1/2	542.44	1/2	175.72	1/2						
3/4	3/4	4,928.57	3/4	4,568.72	3/4	4,202.00	3/4	3,835.28	3/4	3,468.56	3/4	3,101.84	3/4	2,735.12	3/4	2,368.40	3/4	2,001.68	3/4	1,624.96	3/4	1,268.24	3/4	901.52	3/4	534.80	3/4	168.08	3/4						
5	5	4,922.27	5	4,561.08	5	4,194.36	5	3,827.64	5	3,460.92	5	3,094.20	5	2,727.48	5	2,360.76	5	1,994.04	5	1,627.32	5	1,260.60	5	893.88	5	527.16	5	160.44	5						
1/4	1/4	4,915.97	1/4	4,553.44	1/4	4,186.72	1/4	3,820.00	1/4	3,453.28	1/4	3,086.56	1/4	2,719.84	1/4	2,353.12	1/4	1,986.40	1/4	1,619.68	1/4	1,252.96	1/4	886.24	1/4	519.52	1/4	152.80	1/4						
1/2	1/2	4,909.67	1/2	4,545.80	1/2	4,179.08	1/2	3,812.36	1/2	3,445.64	1/2	3,078.92	1/2	2,712.20	1/2	2,345.48	1/2	1,978.12	1/2	1,611.40	1/2	1,242.40	1/2	878.60	1/2	511.88	1/2	145.16	1/2						
3/4	3/4	4,902.49	3/4	4,538.16	3/4	4,171.44	3/4	3,804.72	3/4	3,438.00	3/4	3,074.16	3/4	2,704.56	3/4	2,337.84	3/4	1,971.12	3/4	1,604.40	3/4	1,237.68	3/4	870.96	3/4	504.24	3/4	137.52	3/4						
6	6	4,895.31	6	4,530.52	6	4,163.80	6	3,797.08	6	3,430.36	6	3,063.64	6	2,696.92	6	2,330.20	6	1,963.48	6	1,596.76	6	1,230.04	6	863.32	6	496.60	6	129.88	6						
1/4	1/4	4,888.14	1/4	4,522.88	1/4	4,156.16	1/4	3,789.44	1/4	3,422.72	1/4	3,056.00	1/4	2,689.28	1/4	2,322.56	1/4	1,958.80	1/4	1,592.08	1/4	1,226.40	1/4	855.68	1/4	488.96	1/4	122.24	1/4						
1/2	1/2	4,880.96	1/2	4,515.24	1/2	4,148.52	1/2	3,781.80	1/2	3,415.08	1/2	3,048.36	1/2	2,681.64	1/2	2,314.92	1/2	1,948.20	1/2	1,581.48	1/2	1,214.76	1/2	848.04	1/2	481.92	1/2	114.60	1/2						
3/4	3/4	4,873.35	3/4	4,507.46	3/4	4,140.88	3/4	3,774.16	3/4	3,407.44	3/4	3,040.72	3/4	2,670.56	3/4	2,307.28	3/4	1,940.56	3/4	1,573.84	3/4	1,207.12	3/4	840.40	3/4	473.68	3/4	106.96	3/4						
7	7	4,865.74	7	4,499.96	7	4,133.24	7	3,766.52	7	3,399.80	7	3,033.08	7	2,666.36	7	2,299.64	7	1,932.92	7	1,566.20	7	1,201.12	7	832.76	7	466.04	7	99.32	7						
1/4	1/4	4,858.12	1/4	4,492.32	1/4	4,126.60	1/4	3,758.88	1/4	3,392.16	1/4	3,025.44	1/4	2,658.72	1/4	2,292.00	1/4	1,925.28	1/4	1,558.56	1/4	1,191.84	1/4	825.12	1/4	458.40	1/4	91.68	1/4						
1/2	1/2	4,850.51	1/2	4,484.68	1/2	4,117.96	1/2	3,751.24	1/2	3,384.52	1/2	3,017.80	1/2	2,651.08	1/2	2,284.36	1/2	1,917.64	1/2	1,548.20	1/2	1,184.20	1/2	817.48	1/2	450.76	1/2	84.04	1/2						
3/4	3/4	4,842.90	3/4	4,477.04	3/4	4,110.32	3/4	3,743.60	3/4	3,376.88	3/4	3,010.16	3/4	2,643.44	3/4	2,276.72	3/4	1,910.00	3/4	1,543.28	3/4	1,175.56	3/4	809.84	3/4	443.12	3/4	76.40	3/4						
8	8	4,835.28	8	4,469.40	8	4,102.68	8	3,735.66	8	3,368.94	8	3,002.52	8	2,635.80	8	2,269.08	8	1,902.36	8	1,535.64	8	1,168.92	8	802.20	8	435.48	8	68.76	8						
1/4	1/4	4,827.67	1/4	4,461.76	1/4	4,095.04	1/4	3,728.32	1/4	3,361.60	1/4	2,994.88	1/4	2,628.16	1/4	2,261.44	1/4	1,894.72	1/4	1,528.00	1/4	1,161.28	1/4	794.56	1/4	420.20	1/4	54.44	1/4						
1/2	1/2	4,820.06	1/2	4,454.12	1/2	4,087.40	1/2	3,720.68	1/2	3,353.96	1/2	2,987.24	1/2	2,620.52																					



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Enterprise Marine Services LLC

OUTGAGE TABLE

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

HULL NO. 4159

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.		
M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	
0	0	5,056.46	0	4,762.23	0	4,392.11	0	4,021.60	0	3,651.09	0	3,280.57	0	2,910.06	0	2,539.55	0	2,169.04	0	1,798.53	0	1,428.01	0	1,057.50	0	686.99	0	316.48	0	14.44
1/4	0	5,054.54	0	4,754.54	1/4	4,384.37	1/4	4,013.88	1/4	3,643.37	1/4	3,272.86	1/4	2,902.34	1/4	2,531.83	1/4	2,161.32	1/4	1,790.81	1/4	1,420.30	1/4	1,049.78	1/4	679.27	1/4	308.76	1/4	15.44
1/2	0	5,052.55	1/2	4,746.85	1/2	4,376.65	1/2	4,006.16	1/2	3,632.65	1/2	3,261.14	1/2	2,890.62	1/2	2,519.11	1/2	2,148.60	1/2	1,778.09	1/2	1,407.58	1/2	1,036.56	1/2	668.26	1/2	293.32	1/2	18.55
3/4	0	5,049.71	3/4	4,739.15	3/4	4,368.95	3/4	3,998.44	3/4	3,627.93	3/4	3,257.42	3/4	2,886.91	3/4	2,516.40	3/4	2,145.89	3/4	1,775.37	3/4	1,404.86	3/4	1,033.84	3/4	660.75	3/4	281.32	3/4	19.55
1	1	5,046.87	1	4,731.46	1	4,361.23	1	3,990.72	1	3,620.21	1	3,249.70	1	2,879.19	1	2,508.67	1	2,138.16	1	1,767.65	1	1,397.14	1	1,026.63	1	652.11	1	285.60	1	20.55
1/4	1	5,044.03	1/4	4,723.77	1/4	4,353.52	1/4	3,983.00	1/4	3,612.49	1/4	3,241.98	1/4	2,871.47	1/4	2,500.96	1/4	2,130.44	1/4	1,759.93	1/4	1,389.42	1/4	1,018.91	1/4	644.60	1/4	277.88	1/4	21.55
1/2	1	5,041.20	1/2	4,716.08	1/2	4,345.80	1/2	3,975.28	1/2	3,604.77	1/2	3,234.26	1/2	2,863.75	1/2	2,493.24	1/2	2,122.72	1/2	1,752.21	1/2	1,381.70	1/2	1,011.19	1/2	637.08	1/2	270.16	1/2	22.55
3/4	1	5,037.47	3/4	4,708.38	3/4	4,338.08	3/4	3,967.57	3/4	3,597.05	3/4	3,226.54	3/4	2,856.03	3/4	2,485.52	3/4	2,115.01	3/4	1,744.49	3/4	1,373.98	3/4	1,003.47	3/4	629.56	3/4	282.45	3/4	23.55
2	2	5,033.75	2	4,700.69	2	4,330.36	2	3,959.85	2	3,589.33	2	3,216.82	2	2,846.31	2	2,475.80	2	2,104.29	2	1,733.77	2	1,362.26	2	995.75	2	625.24	2	254.73	2	24.55
1/4	2	5,030.03	1/4	4,693.00	1/4	4,322.62	1/4	3,952.13	1/4	3,581.62	1/4	3,211.10	1/4	2,840.59	1/4	2,470.08	1/4	2,099.57	1/4	1,729.06	1/4	1,358.54	1/4	988.03	1/4	617.52	1/4	247.01	1/4	25.55
1/2	2	5,026.31	1/2	4,685.30	1/2	4,314.92	1/2	3,944.41	1/2	3,573.90	1/2	3,203.58	1/2	2,832.87	1/2	2,462.36	1/2	2,088.05	1/2	1,717.54	1/2	1,347.02	1/2	980.31	1/2	609.80	1/2	239.29	1/2	26.55
3/4	2	5,021.71	3/4	4,677.61	3/4	4,307.20	3/4	3,936.69	3/4	3,566.18	3/4	3,195.67	3/4	2,825.15	3/4	2,454.64	3/4	2,076.41	3/4	1,705.90	3/4	1,335.51	3/4	972.59	3/4	602.08	3/4	231.57	3/4	27.55
3	3	5,017.10	3	4,669.92	3	4,299.48	3	3,928.97	3	3,558.46	3	3,187.95	3	2,817.43	3	2,446.92	3	2,065.41	3	1,694.90	3	1,324.00	3	964.87	3	594.36	3	223.85	3	28.55
1/4	3	5,012.50	1/4	4,662.22	1/4	4,291.76	1/4	3,921.25	1/4	3,550.74	1/4	3,180.23	1/4	2,809.72	1/4	2,439.20	1/4	2,057.69	1/4	1,687.18	1/4	1,312.49	1/4	957.16	1/4	586.64	1/4	216.13	1/4	29.55
1/2	3	5,007.90	1/2	4,654.53	1/2	4,284.04	1/2	3,913.53	1/2	3,543.02	1/2	3,172.51	1/2	2,802.00	1/2	2,431.48	1/2	2,046.97	1/2	1,675.46	1/2	1,300.97	1/2	949.44	1/2	578.92	1/2	208.41	1/2	30.55
3/4	3	5,002.41	3/4	4,646.84	3/4	4,276.33	3/4	3,905.81	3/4	3,535.30	3/4	3,164.29	3/4	2,794.28	3/4	2,423.77	3/4	2,035.46	3/4	1,664.95	3/4	1,289.94	3/4	941.72	3/4	571.21	3/4	200.69	3/4	31.55
4	4	4,996.92	4	4,639.12	4	4,268.61	4	3,898.09	4	3,527.58	4	3,157.07	4	2,786.56	4	2,416.05	4	2,045.53	4	1,675.02	4	1,304.51	4	934.00	4	553.49	4	192.87	4	32.55
1/4	4	4,991.44	1/4	4,631.40	1/4	4,260.89	1/4	3,890.38	1/4	3,519.86	1/4	3,149.35	1/4	2,778.84	1/4	2,408.33	1/4	2,037.82	1/4	1,667.30	1/4	1,293.49	1/4	926.28	1/4	555.77	1/4	185.26	1/4	33.55
1/2	4	4,985.95	1/2	4,623.68	1/2	4,253.12	1/2	3,882.66	1/2	3,512.14	1/2	3,141.63	1/2	2,771.12	1/2	2,400.61	1/2	2,029.10	1/2	1,655.78	1/2	1,282.97	1/2	918.56	1/2	548.05	1/2	177.54	1/2	34.55
3/4	4	4,979.58	3/4	4,615.96	3/4	4,245.45	3/4	3,874.94	3/4	3,504.43	3/4	3,133.91	3/4	2,762.40	3/4	2,391.89	3/4	2,020.38	3/4	1,644.27	3/4	1,271.46	3/4	910.84	3/4	540.33	3/4	169.82	3/4	35.55
5	5	4,973.22	5	4,608.24	5	4,237.73	5	3,867.22	5	3,496.71	5	3,126.19	5	2,755.68	5	2,385.17	5	2,014.66	5	1,644.15	5	1,273.63	5	903.12	5	532.61	5	162.10	5	36.55
1/4	5	4,966.85	1/4	4,599.52	1/4	4,229.01	1/4	3,859.50	1/4	3,488.99	1/4	3,118.48	1/4	2,747.96	1/4	2,377.45	1/4	2,006.94	1/4	1,636.43	1/4	1,265.92	1/4	895.40	1/4	524.89	1/4	154.38	1/4	37.55
1/2	5	4,960.48	1/2	4,592.80	1/2	4,222.29	1/2	3,851.78	1/2	3,481.27	1/2	3,110.76	1/2	2,740.24	1/2	2,369.73	1/2	2,000.10	1/2	1,629.59	1/2	1,258.07	1/2	887.68	1/2	517.17	1/2	146.66	1/2	38.55
3/4	5	4,953.23	3/4	4,585.09	3/4	4,214.57	3/4	3,844.06	3/4	3,473.55	3/4	3,103.04	3/4	2,732.53	3/4	2,362.01	3/4	1,991.50	3/4	1,618.08	3/4	1,246.55	3/4	879.97	3/4	509.45	3/4	138.94	3/4	39.55
6	6	4,945.98	6	4,577.37	6	4,206.85	6	3,836.34	6	3,465.83	6	3,095.32	6	2,724.81	6	2,354.29	6	1,983.78	6	1,612.27	6	1,241.76	6	872.25	6	501.73	6	131.22	6	40.55
1/4	6	4,938.73	1/4	4,569.65	1/4	4,199.14	1/4	3,828.62	1/4	3,458.11	1/4	3,087.60	1/4	2,717.09	1/4	2,346.58	1/4	1,976.06	1/4	1,604.55	1/4	1,235.04	1/4	864.53	1/4	494.02	1/4	123.50	1/4	41.55
1/2	6	4,931.48	1/2	4,561.93	1/2	4,191.42	1/2	3,820.90	1/2	3,450.39	1/2	3,079.88	1/2	2,709.37	1/2	2,338.86	1/2	1,965.34	1/2	1,593.83	1/2	1,223.52	1/2	856.91	1/2	486.30	1/2	115.78	1/2	42.55
3/4	6	4,923.79	3/4	4,554.21	3/4	4,183.70	3/4	3,813.19	3/4	3,442.67	3/4	3,068.16	3/4	2,697.65	3/4	2,327.14	3/4	1,954.82	3/4	1,583.31	3/4	1,211.01	3/4	849.09	3/4	478.50	3/4	108.07	3/4	43.55
7	7	4,916.09	7	4,546.49	7	4,175.98	7	3,805.47	7	3,434.95	7	3,064.44	7	2,693.93	7	2,323.42	7	1,952.91	7	1,581.40	7	1,209.89	7	841.37	7	470.86	7	100.35	7	44.55
1/4	7	4,908.40	1/4	4,538.77	1/4	4,168.26	1/4	3,797.75	1/4	3,427.24	1/4	3,056.72	1/4	2,686.21	1/4	2,315.70	1/4	1,945.19	1/4	1,573.68	1/4	1,198.17	1/4	833.65	1/4	463.14	1/4	92.63	1/4	45.55
1/2	7	4,900.71	1/2	4,531.05	1/2	4,160.54	1/2	3,790.03	1/2	3,419.52	1/2	3,049.00	1/2	2,675.49	1/2	2,304.98	1/2	1,933.47	1/2	1,561.96	1/2	1,186.66	1/2	825.93	1/2	455.42	1/2	84.91	1/2	46.55
3/4	7	4,893.01	3/4	4,523.33	3/4	4,152.82	3/4	3,782.51	3/4	3,412.00	3/4	3,041.49	3/4	2,670.98	3/4	2,300.47	3/4	1,921.96	3/4	1,550.45	3/4	1,175.15	3/4	818.21	3/4	447.70	3/4	77.19	3/4	47.55
8	8	4,885.32	8	4,515.61	8	4,145.10	8	3,774.59	8	3,404.08	8	3,033.57	8	2,663.05	8	2,292.54	8	1,921.03	8	1,549.52	8	1,164.01	8	810.49	8	439.98	8	69.47	8	48.55
1/4	8	4,877.63	1/4	4,507.90	1/4	4,137.38	1/4	3,766.87	1/4	3,396.36	1/4	3,025.85	1/4	2,655.34	1/4	2,284.82	1/4	1,913.31	1/4	1,541.80	1/4	1,152.50	1/4	802.78	1/4	432.26	1/4	61.75	1/4	49.55
1/2	8	4,869.94	1/																											

BARGE "EMS 309"
Enterprise Marine Services LLC



OUTGAGE TABLE

2 STAR

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

HULL NO. 4159

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.					
M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N
0	0	5,049.71	0	4,739.15	0	4,388.95	0	3,998.44	0	3,627.93	0	3,257.42	0	2,886.91	0	2,516.39	0	2,145.88	0	1,775.37	0	1,404.86	0	1,034.35	0	663.83	0	293.32	0				
1/4	1/4	5,046.87	1/4	4,731.46	1/4	4,381.23	1/4	3,990.72	1/4	3,620.21	1/4	3,249.70	1/4	2,879.19	1/4	2,508.67	1/4	2,138.16	1/4	1,767.65	1/4	1,397.14	1/4	1,026.63	1/4	656.11	1/4	285.80	1/4				
1/2	1/2	5,044.03	1/2	4,723.77	1/2	4,373.52	1/2	3,983.00	1/2	3,612.49	1/2	3,241.98	1/2	2,871.47	1/2	2,500.96	1/2	2,130.44	1/2	1,759.93	1/2	1,389.42	1/2	1,018.91	1/2	648.40	1/2	277.88	1/2				
3/4	3/4	5,041.20	3/4	4,716.08	3/4	4,365.80	3/4	3,975.28	3/4	3,604.77	3/4	3,234.26	3/4	2,863.75	3/4	2,493.24	3/4	2,122.72	3/4	1,752.21	3/4	1,381.70	3/4	1,011.40	3/4	640.68	3/4	270.16	3/4				
1	1	5,037.47	1	4,708.38	1	4,358.08	1	3,967.57	1	3,597.05	1	3,226.54	1	2,856.03	1	2,485.52	1	2,115.01	1	1,744.49	1	1,373.98	1	1,003.47	1	632.96	1	262.45	1				
1/4	1/4	5,033.75	1/4	4,700.69	1/4	4,350.36	1/4	3,959.85	1/4	3,589.33	1/4	3,218.82	1/4	2,848.31	1/4	2,477.80	1/4	2,107.29	1/4	1,737.29	1/4	1,366.77	1/4	1,000.34	1/4	625.24	1/4	254.73	1/4				
1/2	1/2	5,030.03	1/2	4,693.00	1/2	4,342.64	1/2	3,952.13	1/2	3,581.62	1/2	3,211.10	1/2	2,840.59	1/2	2,470.08	1/2	2,099.57	1/2	1,729.57	1/2	1,358.54	1/2	998.03	1/2	617.52	1/2	247.01	1/2				
3/4	3/4	5,026.31	3/4	4,685.30	3/4	4,334.92	3/4	3,944.41	3/4	3,573.90	3/4	3,203.38	3/4	2,832.87	3/4	2,462.36	3/4	2,091.85	3/4	1,721.34	3/4	1,350.82	3/4	980.31	3/4	609.80	3/4	239.29	3/4				
2	2	5,021.71	2	4,677.61	2	4,327.20	2	3,938.69	2	3,568.18	2	3,198.67	2	2,825.15	2	2,454.64	2	2,084.13	2	1,713.62	2	1,343.11	2	972.59	2	602.08	2	231.57	2				
1/4	1/4	5,017.10	1/4	4,669.92	1/4	4,319.48	1/4	3,932.97	1/4	3,562.46	1/4	3,187.95	1/4	2,817.43	1/4	2,446.92	1/4	2,076.41	1/4	1,705.90	1/4	1,335.39	1/4	964.87	1/4	594.36	1/4	223.55	1/4				
1/2	1/2	5,012.50	1/2	4,662.22	1/2	4,312.22	1/2	3,927.25	1/2	3,557.74	1/2	3,180.23	1/2	2,809.72	1/2	2,439.20	1/2	2,068.69	1/2	1,698.18	1/2	1,327.67	1/2	957.16	1/2	586.64	1/2	216.13	1/2				
3/4	3/4	5,007.90	3/4	4,654.53	3/4	4,304.53	3/4	3,913.53	3/4	3,543.02	3/4	3,173.51	3/4	2,802.00	3/4	2,431.48	3/4	2,060.97	3/4	1,690.46	3/4	1,319.95	3/4	949.44	3/4	578.92	3/4	208.41	3/4				
3	3	5,002.41	3	4,646.84	3	4,296.83	3	3,905.81	3	3,535.30	3	3,164.79	3	2,794.28	3	2,423.77	3	2,053.25	3	1,682.74	3	1,312.23	3	941.72	3	571.21	3	200.59	3				
1/4	1/4	4,996.92	1/4	4,639.12	1/4	4,288.61	1/4	3,898.09	1/4	3,527.58	1/4	3,154.27	1/4	2,783.76	1/4	2,412.25	1/4	2,041.65	1/4	1,671.02	1/4	1,304.51	1/4	934.00	1/4	563.49	1/4	192.87	1/4				
1/2	1/2	4,991.44	1/2	4,631.40	1/2	4,280.89	1/2	3,890.38	1/2	3,519.86	1/2	3,148.48	1/2	2,778.84	1/2	2,406.33	1/2	2,037.82	1/2	1,663.50	1/2	1,297.82	1/2	926.28	1/2	555.77	1/2	185.26	1/2				
3/4	3/4	4,985.95	3/4	4,623.68	3/4	4,273.40	3/4	3,882.66	3/4	3,512.14	3/4	3,147.63	3/4	2,771.12	3/4	2,400.61	3/4	2,030.10	3/4	1,659.88	3/4	1,290.10	3/4	918.56	3/4	548.05	3/4	177.54	3/4				
4	4	4,979.58	4	4,615.96	4	4,265.45	4	3,874.94	4	3,504.43	4	3,133.91	4	2,763.40	4	2,392.89	4	2,022.38	4	1,651.87	4	1,281.35	4	910.84	4	540.33	4	169.82	4				
1/4	1/4	4,973.22	1/4	4,608.24	1/4	4,257.73	1/4	3,867.22	1/4	3,496.71	1/4	3,122.40	1/4	2,755.68	1/4	2,385.17	1/4	2,016.86	1/4	1,644.15	1/4	1,273.63	1/4	903.12	1/4	532.61	1/4	162.10	1/4				
1/2	1/2	4,966.85	1/2	4,600.52	1/2	4,250.01	1/2	3,859.50	1/2	3,488.99	1/2	3,118.48	1/2	2,747.96	1/2	2,374.45	1/2	2,006.94	1/2	1,636.43	1/2	1,265.92	1/2	926.28	1/2	524.89	1/2	154.38	1/2				
3/4	3/4	4,960.48	3/4	4,592.80	3/4	4,242.29	3/4	3,851.78	3/4	3,481.27	3/4	3,110.76	3/4	2,740.24	3/4	2,369.73	3/4	2,000.61	3/4	1,628.11	3/4	1,258.20	3/4	918.56	3/4	517.17	3/4	146.66	3/4				
5	5	4,953.23	5	4,585.09	5	4,234.57	5	3,844.06	5	3,473.55	5	3,103.04	5	2,732.53	5	2,362.01	5	2,000.61	5	1,620.99	5	1,250.48	5	879.97	5	509.45	5	139.94	5				
1/4	1/4	4,945.98	1/4	4,577.37	1/4	4,226.65	1/4	3,836.34	1/4	3,465.83	1/4	3,095.32	1/4	2,724.81	1/4	2,354.29	1/4	1,991.50	1/4	1,613.27	1/4	1,242.76	1/4	872.25	1/4	501.73	1/4	131.22	1/4				
1/2	1/2	4,938.73	1/2	4,569.65	1/2	4,219.14	1/2	3,829.62	1/2	3,458.11	1/2	3,084.80	1/2	2,717.09	1/2	2,346.58	1/2	1,982.91	1/2	1,605.55	1/2	1,231.62	1/2	864.53	1/2	494.02	1/2	123.50	1/2				
3/4	3/4	4,931.48	3/4	4,561.93	3/4	4,211.42	3/4	3,822.90	3/4	3,450.39	3/4	3,079.88	3/4	2,709.37	3/4	2,338.86	3/4	1,976.06	3/4	1,593.83	3/4	1,221.32	3/4	856.81	3/4	486.30	3/4	115.78	3/4				
6	6	4,923.79	6	4,554.21	6	4,203.33	6	3,813.19	6	3,442.67	6	3,072.16	6	2,701.65	6	2,331.14	6	1,960.63	6	1,590.11	6	1,210.80	6	848.09	6	478.58	6	108.07	6				
1/4	1/4	4,916.09	1/4	4,546.49	1/4	4,193.59	1/4	3,805.47	1/4	3,434.95	1/4	3,064.44	1/4	2,693.93	1/4	2,323.42	1/4	1,949.11	1/4	1,578.06	1/4	1,200.69	1/4	841.37	1/4	470.86	1/4	100.35	1/4				
1/2	1/2	4,908.40	1/2	4,538.77	1/2	4,185.26	1/2	3,797.75	1/2	3,427.24	1/2	3,056.72	1/2	2,682.42	1/2	2,315.70	1/2	1,937.47	1/2	1,566.96	1/2	1,189.54	1/2	833.65	1/2	463.14	1/2	92.63	1/2				
3/4	3/4	4,900.71	3/4	4,531.05	3/4	4,177.66	3/4	3,789.03	3/4	3,418.52	3/4	3,045.20	3/4	2,671.89	3/4	2,307.98	3/4	1,929.75	3/4	1,559.24	3/4	1,180.44	3/4	825.93	3/4	455.42	3/4	84.91	3/4				
7	7	4,893.01	7	4,523.33	7	4,165.82	7	3,782.31	7	3,411.80	7	3,040.29	7	2,670.77	7	2,300.26	7	1,920.26	7	1,550.73	7	1,173.32	7	818.21	7	447.70	7	77.19	7				
1/4	1/4	4,885.32	1/4	4,515.61	1/4	4,158.10	1/4	3,774.59	1/4	3,404.08	1/4	3,033.57	1/4	2,663.05	1/4	2,292.54	1/4	1,912.03	1/4	1,541.15	1/4	1,165.24	1/4	810.49	1/4	439.98	1/4	69.47	1/4				
1/2	1/2	4,877.63	1/2	4,507.90	1/2	4,150.51	1/2	3,766.87	1/2	3,396.36	1/2	3,025.85	1/2	2,655.34	1/2	2,284.82	1/2	1,904.31	1/2	1,530.80	1/2	1,154.31	1/2	802.78	1/2	432.26	1/2	61.75	1/2				
3/4	3/4	4,869.94	3/4	4,500.18	3/4	4,142.98	3/4	3,759.15	3/4	3,388.64	3/4	3,018.13	3/4	2,647.82	3/4	2,273.10	3/4	1,895.59	3/4	1,526.36	3/4	1,145.32	3/4	795.06	3/4	424.54	3/4	55.00	3/4				
8	8	4,862.24	8	4,492.46	8	4,132.95	8	3,751.43	8	3,380.92	8	3,010.41	8	2,639.90	8	2,265.39	8	1,888.87	8	1,520.80	8	1,138.23	8	783.34	8	416.83	8	48.24	8				
1/4	1/4	4,854.55	1/4	4,484.74	1/4	4,124.43	1/4	3,743.71	1/4	3,373.20	1/4	3,002.69	1/4	2,629.18	1/4	2,254.67	1/4	1,881.15	1/4	1,512.92	1/4	1,130.15	1/4	779.62	1/4	409.11	1/4	41.49	1/4				
1/2	1/2	4,846.86	1/2	4,477.02	1/2	4,116.51	1/2	3,736.00	1/2	3,365.48	1/2	2,994.97	1/2	2,624.46	1/2	2,248.16	1/2	1,873.44	1/2	1,505.80	1/2	1,121.04	1/2	771.90	1/2	401.39	1/2	34.74	1/2				
3/4	3/4	4,839.16	3/4	4,469.30	3/4	4,109.87	3/4	3,728.28	3/4	3,357.76	3/4	2,987.25	3/4	2,616.74	3/4																		



BARGE "EMS 309"
Enterprise Marine Services LLC

OUTAGE TABLE

3 STAR

HULL NO. 4159

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.							
M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N		
0	0	4400.99	0	4212.92	0	3985.11	0	3757.31	0	3529.50	0	3265.98	0	2985.57	0	2524.77	0	2154.16	0	1783.55	0	1412.94	0	982.33	0	671.73	0	384.19	4	177.58	4	100.36	4	29.92	9
1	1/4	4399.26	1/4	4208.18	1/4	3980.37	1/4	3752.56	1/4	3526.26	1/4	3258.26	1/4	2987.57	1/4	2517.05	1/4	2146.44	1/4	1775.83	1/4	1405.22	1/4	982.89	1/4	664.01	1/4	355.28	1/2	192.58	1/2	72.25	1/2	23.53	1/2
2	1/2	4397.53	1/2	4203.43	1/2	3978.62	1/2	3747.81	1/2	3520.01	1/2	3250.54	1/2	2982.01	1/2	2509.32	1/2	2138.72	1/2	1766.11	1/2	1397.50	1/2	926.89	1/2	608.56	1/2	332.00	3/4	177.96	3/4	70.61	3/4	22.55	3/4
3	3/4	4395.80	3/4	4198.68	3/4	3970.88	3/4	3743.07	3/4	3515.56	3/4	3242.62	3/4	2975.56	3/4	2501.60	3/4	2131.00	3/4	1760.39	3/4	1392.78	3/4	923.06	3/4	604.84	3/4	332.00	3/4	177.96	3/4	70.61	3/4	22.55	3/4
4	1	4394.06	1	4193.94	1	3966.13	1	3738.32	1	3510.51	1	3235.10	1	2970.57	1	2496.49	1	2123.27	1	1752.67	1	1387.06	1	923.06	1	604.84	1	332.00	1	177.96	1	70.61	1	22.55	1
5	1/4	4391.79	1/4	4189.49	1/4	3961.38	1/4	3733.58	1/4	3505.77	1/4	3227.38	1/4	2965.77	1/4	2491.89	1/4	2118.55	1/4	1744.95	1/4	1382.34	1/4	923.06	1/4	604.84	1/4	332.00	1/4	177.96	1/4	70.61	1/4	22.55	1/4
6	1/2	4389.51	1/2	4184.45	1/2	3956.64	1/2	3728.83	1/2	3501.02	1/2	3219.66	1/2	2960.95	1/2	2487.05	1/2	2113.78	1/2	1739.82	1/2	1377.50	1/2	923.06	1/2	604.84	1/2	332.00	1/2	177.96	1/2	70.61	1/2	22.55	1/2
7	3/4	4387.23	3/4	4179.70	3/4	3951.89	3/4	3724.08	3/4	3496.28	3/4	3211.94	3/4	2956.28	3/4	2482.33	3/4	2109.11	3/4	1735.05	3/4	1372.73	3/4	923.06	3/4	604.84	3/4	332.00	3/4	177.96	3/4	70.61	3/4	22.55	3/4
8	1	4384.96	1	4174.95	1	3947.15	1	3719.34	1	3491.53	1	3204.21	1	2951.53	1	2477.58	1	2104.34	1	1730.28	1	1367.98	1	923.06	1	604.84	1	332.00	1	177.96	1	70.61	1	22.55	1
9	1/4	4382.14	1/4	4170.21	1/4	3942.40	1/4	3714.59	1/4	3486.78	1/4	3202.49	1/4	2946.78	1/4	2472.81	1/4	2099.57	1/4	1725.57	1/4	1363.21	1/4	923.06	1/4	604.84	1/4	332.00	1/4	177.96	1/4	70.61	1/4	22.55	1/4
10	1/2	4379.32	1/2	4165.46	1/2	3937.65	1/2	3709.85	1/2	3482.04	1/2	3198.77	1/2	2942.04	1/2	2468.04	1/2	2094.80	1/2	1720.80	1/2	1358.44	1/2	923.06	1/2	604.84	1/2	332.00	1/2	177.96	1/2	70.61	1/2	22.55	1/2
11	3/4	4376.50	3/4	4160.72	3/4	3932.91	3/4	3705.10	3/4	3477.29	3/4	3191.05	3/4	2937.29	3/4	2463.29	3/4	2090.03	3/4	1716.03	3/4	1353.67	3/4	923.06	3/4	604.84	3/4	332.00	3/4	177.96	3/4	70.61	3/4	22.55	3/4
12	1	4373.68	1	4155.97	1	3928.16	1	3700.35	1	3472.55	1	3186.33	1	2932.55	1	2458.52	1	2085.26	1	1711.26	1	1348.90	1	923.06	1	604.84	1	332.00	1	177.96	1	70.61	1	22.55	1
13	1/4	4370.32	1/4	4151.22	1/4	3923.42	1/4	3695.61	1/4	3467.80	1/4	3181.58	1/4	2927.80	1/4	2453.75	1/4	2080.49	1/4	1706.49	1/4	1344.13	1/4	923.06	1/4	604.84	1/4	332.00	1/4	177.96	1/4	70.61	1/4	22.55	1/4
14	1/2	4366.96	1/2	4146.48	1/2	3918.67	1/2	3690.86	1/2	3463.05	1/2	3176.81	1/2	2923.05	1/2	2449.00	1/2	2075.72	1/2	1701.72	1/2	1339.36	1/2	923.06	1/2	604.84	1/2	332.00	1/2	177.96	1/2	70.61	1/2	22.55	1/2
15	3/4	4363.60	3/4	4141.73	3/4	3913.92	3/4	3686.12	3/4	3458.31	3/4	3172.05	3/4	2918.29	3/4	2444.25	3/4	2071.00	3/4	1696.98	3/4	1334.60	3/4	923.06	3/4	604.84	3/4	332.00	3/4	177.96	3/4	70.61	3/4	22.55	3/4
16	1	4360.23	1	4136.99	1	3909.18	1	3681.37	1	3453.56	1	3167.28	1	2913.52	1	2439.49	1	2066.23	1	1692.23	1	1329.85	1	923.06	1	604.84	1	332.00	1	177.96	1	70.61	1	22.55	1
17	1/4	4356.33	1/4	4132.24	1/4	3904.43	1/4	3676.62	1/4	3448.82	1/4	3162.51	1/4	2908.75	1/4	2434.74	1/4	2061.46	1/4	1687.46	1/4	1325.10	1/4	923.06	1/4	604.84	1/4	332.00	1/4	177.96	1/4	70.61	1/4	22.55	1/4
18	1/2	4352.43	1/2	4127.49	1/2	3899.69	1/2	3671.88	1/2	3444.07	1/2	3157.74	1/2	2904.00	1/2	2430.00	1/2	2056.69	1/2	1682.69	1/2	1320.35	1/2	923.06	1/2	604.84	1/2	332.00	1/2	177.96	1/2	70.61	1/2	22.55	1/2
19	3/4	4348.52	3/4	4122.75	3/4	3894.94	3/4	3667.13	3/4	3439.32	3/4	3152.98	3/4	2899.25	3/4	2425.25	3/4	2051.92	3/4	1677.92	3/4	1315.60	3/4	923.06	3/4	604.84	3/4	332.00	3/4	177.96	3/4	70.61	3/4	22.55	3/4
20	1	4344.62	1	4118.00	1	3890.19	1	3662.39	1	3434.58	1	3148.21	1	2894.50	1	2420.50	1	2047.15	1	1673.15	1	1310.85	1	923.06	1	604.84	1	332.00	1	177.96	1	70.61	1	22.55	1
21	1/4	4340.17	1/4	4113.26	1/4	3885.45	1/4	3657.64	1/4	3429.83	1/4	3143.44	1/4	2889.75	1/4	2415.75	1/4	2042.39	1/4	1668.39	1/4	1306.10	1/4	923.06	1/4	604.84	1/4	332.00	1/4	177.96	1/4	70.61	1/4	22.55	1/4
22	1/2	4335.72	1/2	4108.51	1/2	3880.70	1/2	3652.89	1/2	3425.09	1/2	3138.67	1/2	2885.00	1/2	2411.00	1/2	2037.62	1/2	1663.62	1/2	1301.35	1/2	923.06	1/2	604.84	1/2	332.00	1/2	177.96	1/2	70.61	1/2	22.55	1/2
23	3/4	4331.27	3/4	4103.76	3/4	3875.96	3/4	3648.15	3/4	3420.34	3/4	3133.91	3/4	2880.25	3/4	2406.25	3/4	2032.87	3/4	1658.87	3/4	1296.60	3/4	923.06	3/4	604.84	3/4	332.00	3/4	177.96	3/4	70.61	3/4	22.55	3/4
24	1	4326.83	1	4099.02	1	3871.21	1	3643.40	1	3415.59	1	3129.10	1	2875.49	1	2401.50	1	2028.10	1	1654.10	1	1291.85	1	923.06	1	604.84	1	332.00	1	177.96	1	70.61	1	22.55	1
25	1/4	4322.08	1/4	4094.27	1/4	3866.46	1/4	3638.66	1/4	3410.84	1/4	3124.33	1/4	2870.70	1/4	2400.00	1/4	2023.33	1/4	1649.33	1/4	1287.10	1/4	923.06	1/4	604.84	1/4	332.00	1/4	177.96	1/4	70.61	1/4	22.55	1/4
26	1/2	4317.33	1/2	4089.53	1/2	3861.72	1/2	3633.91	1/2	3406.09	1/2	3119.56	1/2	2865.91	1/2	2395.50	1/2	2018.50	1/2	1644.50	1/2	1282.35	1/2	923.06	1/2	604.84	1/2	332.00	1/2	177.96	1/2	70.61	1/2	22.55	1/2
27	3/4	4312.59	3/4	4084.78	3/4	3856.97	3/4	3629.16	3/4	3401.34	3/4	3114.81	3/4	2861.16	3/4	2390.75	3/4	2013.75	3/4	1639.75	3/4	1277.60	3/4	923.06	3/4	604.84	3/4	332.00	3/4	177.96	3/4	70.61	3/4	22.55	3/4
28	1	4307.84	1	4080.03	1	3852.23	1	3624.42	1	3396.58	1	3110.06	1	2856.41	1	2386.00	1	2009.00	1	1635.00	1	1272.85	1	923.06	1	604.84	1	332.00	1	177.96	1	70.61	1	22.55	1
29	1/4	4303.10	1/4	4075.29	1/4	3847.48	1/4	3619.67	1/4	3391.83	1/4	3105.31	1/4	2851.66	1/4	2381.25	1/4	2004.25	1/4	1630.25	1/4	1268.10	1/4	923.06	1/4	604.84	1/4	332.00	1/4	177.96	1/4	70.61	1/4	22.55	1/4
30	1/2	4298.35	1/2	4070.54	1/2	3842.73	1/2	3614.93	1/2	3387.08	1/2	3100.56	1/2	2846.91	1/2	2376.50	1/2	2000.00	1/2	1625.50	1/2	1263.35	1/2	923.06	1/2	604.84	1/2	332.00	1/2	177.96	1/2	70.61	1/2	22.55	1/2
31	3/4	4293.60	3/4	4065.80	3/4	3837.99	3/4	3610.18	3/4	3382.33	3/4	3095.80	3/4	2842.16	3/4	2371.75	3/4	1995.25	3/4	1620.75	3/4	1258.60	3/4	923.06	3/4	604.84	3/4	332.00	3/4	177.96	3/4	70.61	3/4	22.55	3/4
32	1	4288.86	1	4061.05	1	3833.24																													