



# BARGE "GRIFCO 3009" GRIFCO TRANSPORTATION COMPANY

TANK NO.

# 1 PORT OR STAR

## INNAGE TABLE

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

HULL NO. 2163-2

H	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	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W			
0	0.00	0	129.92	0	462.86	0	827.41	0	1,194.32	0	1,561.23	0	1,928.14	0	2,295.06	0	2,661.97	0	3,028.88	0	3,395.79	0	3,762.70	0	4,129.62	0	4,496.53	0	4,863.44	0	5,230.35	0	5,597.26
1/4	0.04	1/4	136.60	1/4	470.28	1/4	835.05	1/4	1,201.96	1/4	1,568.88	1/4	1,935.79	1/4	2,302.70	1/4	2,669.61	1/4	3,036.52	1/4	3,403.44	1/4	3,770.35	1/4	4,137.26	1/4	4,504.17	1/4	4,871.08	1/4	5,237.99	1/4	5,604.90
1/2	0.07	1/2	143.27	1/2	477.69	1/2	842.70	1/2	1,209.61	1/2	1,576.52	1/2	1,943.43	1/2	2,310.34	1/2	2,677.26	1/2	3,044.17	1/2	3,411.08	1/2	3,777.99	1/2	4,144.90	1/2	4,511.81	1/2	4,878.72	1/2	5,245.63	1/2	5,612.54
3/4	0.11	3/4	149.95	3/4	485.11	3/4	850.34	3/4	1,217.25	3/4	1,584.16	3/4	1,951.08	3/4	2,317.99	3/4	2,684.90	3/4	3,051.81	3/4	3,418.72	3/4	3,785.64	3/4	4,152.55	3/4	4,519.46	3/4	4,886.37	3/4	5,253.28	3/4	5,620.19
1	0.14	1	156.62	1	492.63	1	857.88	1	1,224.90	1	1,591.81	1	1,958.72	1	2,325.63	1	2,692.54	1	3,059.46	1	3,426.37	1	3,793.28	1	4,159.19	1	4,526.10	1	4,893.01	1	5,259.92	1	5,626.83
1/4	0.18	1/4	163.29	1/4	499.95	1/4	865.63	1/4	1,232.54	1/4	1,599.45	1/4	1,966.36	1/4	2,333.28	1/4	2,700.19	1/4	3,067.10	1/4	3,434.01	1/4	3,800.92	1/4	4,167.83	1/4	4,534.74	1/4	4,901.65	1/4	5,268.56	1/4	5,635.47
1/2	0.22	1/2	169.97	1/2	507.37	1/2	873.27	1/2	1,240.18	1/2	1,607.10	1/2	1,974.01	1/2	2,340.92	1/2	2,707.83	1/2	3,074.74	1/2	3,441.66	1/2	3,808.57	1/2	4,175.48	1/2	4,542.39	1/2	4,909.30	1/2	5,276.21	1/2	5,643.12
3/4	0.25	3/4	176.64	3/4	514.79	3/4	880.92	3/4	1,247.83	3/4	1,614.74	3/4	1,981.65	3/4	2,348.56	3/4	2,715.48	3/4	3,082.39	3/4	3,449.30	3/4	3,816.21	3/4	4,183.12	3/4	4,550.03	3/4	4,916.94	3/4	5,283.85	3/4	5,650.76
1	0.29	1	183.32	1	522.21	1	888.56	1	1,255.47	1	1,622.38	1	1,989.30	1	2,356.21	1	2,723.12	1	3,090.03	1	3,456.94	1	3,823.85	1	4,190.76	1	4,557.67	1	4,924.58	1	5,291.49	1	5,658.40
1/4	0.32	1/4	190.18	1/4	529.78	1/4	896.20	1/4	1,263.12	1/4	1,630.03	1/4	1,996.94	1/4	2,363.85	1/4	2,730.76	1/4	3,097.68	1/4	3,464.59	1/4	3,831.50	1/4	4,198.41	1/4	4,565.32	1/4	4,932.23	1/4	5,299.14	1/4	5,666.05
1/2	0.36	1/2	197.04	1/2	537.36	1/2	903.85	1/2	1,270.76	1/2	1,637.67	1/2	2,004.58	1/2	2,371.50	1/2	2,738.41	1/2	3,105.32	1/2	3,472.23	1/2	3,839.14	1/2	4,206.05	1/2	4,572.96	1/2	4,939.87	1/2	5,306.78	1/2	5,673.69
3/4	0.40	3/4	203.90	3/4	544.93	3/4	911.49	3/4	1,278.40	3/4	1,645.32	3/4	2,012.23	3/4	2,379.14	3/4	2,746.05	3/4	3,112.96	3/4	3,479.88	3/4	3,846.79	3/4	4,213.70	3/4	4,580.61	3/4	4,947.52	3/4	5,314.43	3/4	5,681.34
1	0.43	1	210.76	1	552.60	1	919.14	1	1,286.05	1	1,652.96	1	2,019.87	1	2,386.78	1	2,753.70	1	3,120.61	1	3,487.52	1	3,854.43	1	4,221.34	1	4,588.25	1	4,955.16	1	5,322.07	1	5,688.98
1/4	0.47	1/4	217.62	1/4	560.08	1/4	926.78	1/4	1,293.69	1/4	1,660.60	1/4	2,027.52	1/4	2,394.43	1/4	2,761.34	1/4	3,128.25	1/4	3,495.16	1/4	3,862.07	1/4	4,228.98	1/4	4,595.89	1/4	4,962.80	1/4	5,329.71	1/4	5,696.62
1/2	0.50	1/2	224.48	1/2	567.65	1/2	934.42	1/2	1,301.34	1/2	1,668.25	1/2	2,035.16	1/2	2,402.07	1/2	2,768.98	1/2	3,135.90	1/2	3,502.81	1/2	3,869.72	1/2	4,233.63	1/2	4,600.54	1/2	4,967.45	1/2	5,334.36	1/2	5,701.27
3/4	0.54	3/4	231.34	3/4	575.23	3/4	942.07	3/4	1,308.98	3/4	1,675.89	3/4	2,042.80	3/4	2,409.72	3/4	2,776.63	3/4	3,143.54	3/4	3,510.45	3/4	3,877.36	3/4	4,244.27	3/4	4,611.18	3/4	4,978.09	3/4	5,345.00	3/4	5,711.91
1	0.58	1	238.20	1	582.80	1	949.71	1	1,316.62	1	1,683.53	1	2,050.45	1	2,417.36	1	2,784.27	1	3,151.18	1	3,518.10	1	3,885.01	1	4,251.92	1	4,618.83	1	4,985.74	1	5,352.65	1	5,719.56
1/4	0.61	1/4	245.06	1/4	590.44	1/4	957.36	1/4	1,324.27	1/4	1,691.18	1/4	2,058.09	1/4	2,425.00	1/4	2,791.92	1/4	3,158.83	1/4	3,525.74	1/4	3,892.65	1/4	4,259.56	1/4	4,626.47	1/4	4,993.38	1/4	5,360.29	1/4	5,727.20
1/2	0.65	1/2	251.92	1/2	598.09	1/2	965.00	1/2	1,331.91	1/2	1,698.82	1/2	2,065.74	1/2	2,432.65	1/2	2,798.56	1/2	3,165.47	1/2	3,532.38	1/2	3,900.29	1/2	4,267.20	1/2	4,634.11	1/2	4,999.92	1/2	5,366.83	1/2	5,733.74
3/4	0.68	3/4	258.78	3/4	605.73	3/4	972.64	3/4	1,339.56	3/4	1,706.47	3/4	2,073.38	3/4	2,440.29	3/4	2,807.20	3/4	3,174.12	3/4	3,541.03	3/4	3,907.94	3/4	4,274.85	3/4	4,641.76	3/4	4,997.57	3/4	5,364.48	3/4	5,731.39
1	0.72	1	265.64	1	613.38	1	980.29	1	1,347.20	1	1,714.11	1	2,081.02	1	2,447.94	1	2,814.85	1	3,181.76	1	3,548.67	1	3,915.58	1	4,282.49	1	4,649.40	1	5,016.31	1	5,383.22	1	5,750.13
1/4	1.87	1/4	272.66	1/4	621.02	1/4	987.93	1/4	1,354.84	1/4	1,721.76	1/4	2,088.67	1/4	2,455.58	1/4	2,822.49	1/4	3,189.40	1/4	3,556.32	1/4	3,923.11	1/4	4,289.92	1/4	4,656.83	1/4	5,023.74	1/4	5,390.65	1/4	5,757.56
1/2	3.01	1/2	279.73	1/2	628.66	1/2	995.58	1/2	1,362.49	1/2	1,729.40	1/2	2,096.31	1/2	2,463.22	1/2	2,829.13	1/2	3,196.04	1/2	3,562.95	1/2	3,929.86	1/2	4,296.77	1/2	4,663.68	1/2	5,030.59	1/2	5,397.50	1/2	5,764.41
3/4	4.16	3/4	286.77	3/4	636.31	3/4	1,003.22	3/4	1,370.13	3/4	1,737.04	3/4	2,103.96	3/4	2,470.87	3/4	2,837.78	3/4	3,204.69	3/4	3,571.60	3/4	3,938.51	3/4	4,305.42	3/4	4,672.33	3/4	5,039.24	3/4	5,406.15	3/4	5,773.06
1	5.30	1	293.82	1	643.95	1	1,010.86	1	1,377.78	1	1,744.69	1	2,111.60	1	2,478.51	1	2,845.42	1	3,212.34	1	3,579.25	1	3,946.16	1	4,313.07	1	4,679.98	1	5,046.89	1	5,413.80	1	5,780.71
1/4	7.92	1/4	300.87	1/4	651.60	1/4	1,018.51	1/4	1,385.42	1/4	1,752.33	1/4	2,119.24	1/4	2,486.15	1/4	2,853.07	1/4	3,219.98	1/4	3,586.89	1/4	3,953.80	1/4	4,320.71	1/4	4,687.62	1/4	5,054.53	1/4	5,421.44	1/4	5,788.35
1/2	10.54	1/2	307.91	1/2	659.24	1/2	1,026.15	1/2	1,393.06	1/2	1,759.98	1/2	2,126.89	1/2	2,493.80	1/2	2,860.71	1/2	3,227.62	1/2	3,594.54	1/2	3,961.45	1/2	4,328.36	1/2	4,695.27	1/2	5,062.18	1/2	5,429.09	1/2	5,795.00
3/4	13.15	3/4	314.96	3/4	666.88	3/4	1,033.80	3/4	1,400.71	3/4	1,767.62	3/4	2,134.53	3/4	2,501.44	3/4	2,868.35	3/4	3,235.27	3/4	3,602.18	3/4	3,969.09	3/4	4,335.00	3/4	4,700.91	3/4	5,066.82	3/4	5,432.73	3/4	5,800.64
1	15.77	1	322.00	1	674.53	1	1,041.44	1	1,408.35	1	1,775.26	1	2,142.18	1	2,509.09	1	2,876.00	1	3,242.91	1	3,609.82	1	3,976.73	1	4,343.64	1	4,710.55	1	5,077.46	1	5,444.37	1	5,811.28
1/4	19.86	1/4	329.05	1/4	682.17	1/4	1,049.08	1/4	1,416.00	1/4	1,782.91	1/4	2,149.82	1/4	2,516.73	1/4	2,883.64	1/4	3,250.56	1/4	3,617.47	1/4	3,984.38	1/4	4,351.29	1/4	4,718.20	1/4	5,085.11	1/4	5,452.02	1/4	5,818.93
1/2	23.95	1/2	336.10	1/2	689.82	1/2	1,056.73	1/2	1,423.64	1/2	1,790.55	1/2	2,157.46	1/2	2,524.38	1/2	2,891.29	1/															



# BARGE "GRIFCO 3009" GRIFCO TRANSPORTATION COMPANY

TANK NO.

## 2 PORT OR STAR

### INNAGE TABLE

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

HULL NO. 2163-2

H	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.		
	W	D	W	D	W	D	W	D	W	D	W	D	W	D	W	D	W	D	W	D	W	D	W	D	W	D	W	D	W	D	
0	0.00	0	149.56	0	512.26	0	879.11	0	1,245.98	0	1,612.84	0	1,979.70	0	2,346.57	0	2,713.43	0	3,080.30	0	3,447.16	0	3,814.02	0	4,179.27	0	4,529.27	0	4,829.27	0	4,960.45
1/4	0.04	1/4	157.20	1/4	519.89	1/4	886.76	1/4	1,253.62	1/4	1,620.48	1/4	1,987.35	1/4	2,354.21	1/4	2,721.08	1/4	3,087.94	1/4	3,454.80	1/4	3,821.67	1/4	4,186.76	1/4	4,536.37	1/4	4,867.16	1/4	4,967.16
1/2	0.07	1/2	164.83	1/2	527.53	1/2	894.40	1/2	1,261.26	1/2	1,628.13	1/2	1,994.99	1/2	2,361.85	1/2	2,728.72	1/2	3,095.58	1/2	3,462.45	1/2	3,829.31	1/2	4,194.25	1/2	4,543.46	1/2	4,873.86	1/2	4,973.86
3/4	0.11	3/4	172.47	3/4	535.18	3/4	902.04	3/4	1,268.91	3/4	1,635.77	3/4	2,002.63	3/4	2,369.50	3/4	2,736.36	3/4	3,103.23	3/4	3,470.09	3/4	3,836.95	3/4	4,201.74	3/4	4,550.56	3/4	4,880.57	3/4	4,980.57
1	0.14	1	180.10	1	542.82	1	909.68	1	1,276.55	1	1,643.41	1	2,010.28	1	2,377.14	1	2,744.00	1	3,110.87	1	3,477.73	1	3,844.60	1	4,209.23	1	4,557.65	1	4,887.27	1	4,987.27
1 1/4	0.18	1 1/4	187.74	1 1/4	550.46	1 1/4	917.33	1 1/4	1,284.19	1 1/4	1,651.06	1 1/4	2,017.92	1 1/4	2,384.78	1 1/4	2,751.65	1 1/4	3,118.51	1 1/4	3,485.38	1 1/4	3,852.24	1 1/4	4,216.71	1 1/4	4,564.75	1 1/4	4,893.97	1 1/4	4,993.97
1 1/2	0.22	1 1/2	195.37	1 1/2	558.11	1 1/2	924.97	1 1/2	1,291.83	1 1/2	1,658.70	1 1/2	2,025.56	1 1/2	2,392.43	1 1/2	2,759.29	1 1/2	3,126.15	1 1/2	3,493.02	1 1/2	3,859.88	1 1/2	4,224.20	1 1/2	4,571.84	1 1/2	4,900.68	1 1/2	4,900.68
3/4	0.25	3/4	203.01	3/4	565.75	3/4	932.61	3/4	1,299.48	3/4	1,666.34	3/4	2,033.21	3/4	2,400.07	3/4	2,766.93	3/4	3,133.80	3/4	3,500.66	3/4	3,867.53	3/4	4,231.59	3/4	4,578.84	3/4	4,907.48	3/4	4,907.48
2	0.29	2	210.64	2	573.39	2	940.26	2	1,307.12	2	1,673.98	2	2,040.85	2	2,407.71	2	2,774.58	2	3,141.44	2	3,508.30	2	3,875.17	2	4,238.98	2	4,585.84	2	4,914.28	2	4,914.28
1 1/4	0.32	1 1/4	218.28	1 1/4	581.04	1 1/4	947.90	1 1/4	1,314.76	1 1/4	1,681.63	1 1/4	2,048.49	1 1/4	2,415.36	1 1/4	2,782.22	1 1/4	3,149.08	1 1/4	3,515.95	1 1/4	3,882.81	1 1/4	4,246.37	1 1/4	4,592.84	1 1/4	4,921.08	1 1/4	4,921.08
1 1/2	0.36	1 1/2	225.91	1 1/2	588.68	1 1/2	955.54	1 1/2	1,322.41	1 1/2	1,689.27	1 1/2	2,056.13	1 1/2	2,423.00	1 1/2	2,789.86	1 1/2	3,156.73	1 1/2	3,523.59	1 1/2	3,890.45	1 1/2	4,253.76	1 1/2	4,599.83	1 1/2	4,927.88	1 1/2	4,927.88
3/4	0.40	3/4	233.55	3/4	596.32	3/4	963.19	3/4	1,330.05	3/4	1,696.91	3/4	2,063.78	3/4	2,430.64	3/4	2,797.51	3/4	3,164.37	3/4	3,531.23	3/4	3,898.10	3/4	4,261.15	3/4	4,606.83	3/4	4,933.15	3/4	4,933.15
3	0.43	3	241.18	3	603.96	3	970.83	3	1,337.69	3	1,704.56	3	2,071.42	3	2,438.28	3	2,805.15	3	3,172.01	3	3,538.88	3	3,905.74	3	4,268.54	3	4,613.83	3	4,938.42	3	4,938.42
1 1/4	0.47	1 1/4	248.82	1 1/4	611.61	1 1/4	978.47	1 1/4	1,345.34	1 1/4	1,712.20	1 1/4	2,079.06	1 1/4	2,445.93	1 1/4	2,812.79	1 1/4	3,179.66	1 1/4	3,546.52	1 1/4	3,913.38	1 1/4	4,275.93	1 1/4	4,620.83	1 1/4	4,943.70	1 1/4	4,943.70
1 1/2	0.50	1 1/2	256.45	1 1/2	619.25	1 1/2	986.11	1 1/2	1,352.98	1 1/2	1,719.84	1 1/2	2,086.71	1 1/2	2,453.57	1 1/2	2,820.43	1 1/2	3,187.30	1 1/2	3,554.16	1 1/2	3,921.03	1 1/2	4,283.32	1 1/2	4,627.83	1 1/2	4,948.97	1 1/2	4,948.97
3/4	0.54	3/4	264.09	3/4	626.89	3/4	993.76	3/4	1,360.62	3/4	1,727.49	3/4	2,094.35	3/4	2,461.21	3/4	2,828.08	3/4	3,194.94	3/4	3,561.81	3/4	3,928.67	3/4	4,290.71	3/4	4,634.82	3/4	4,962.72	3/4	4,962.72
4	0.58	4	271.72	4	634.54	4	1,001.40	4	1,368.26	4	1,735.13	4	2,101.99	4	2,468.86	4	2,835.72	4	3,202.58	4	3,569.45	4	3,936.31	4	4,298.10	4	4,641.82	4	4,966.46	4	4,966.46
1 1/4	0.61	1 1/4	279.36	1 1/4	642.18	1 1/4	1,009.04	1 1/4	1,375.91	1 1/4	1,742.77	1 1/4	2,109.64	1 1/4	2,476.50	1 1/4	2,843.36	1 1/4	3,210.23	1 1/4	3,577.09	1 1/4	3,943.96	1 1/4	4,306.49	1 1/4	4,648.82	1 1/4	4,960.21	1 1/4	4,960.21
1 1/2	0.65	1 1/2	286.99	1 1/2	649.82	1 1/2	1,016.69	1 1/2	1,383.55	1 1/2	1,750.41	1 1/2	2,117.28	1 1/2	2,484.14	1 1/2	2,851.01	1 1/2	3,217.87	1 1/2	3,584.73	1 1/2	3,951.60	1 1/2	4,312.88	1 1/2	4,655.82	1 1/2	4,963.95	1 1/2	4,963.95
3/4	0.68	3/4	294.63	3/4	657.47	3/4	1,024.33	3/4	1,391.19	3/4	1,758.06	3/4	2,124.92	3/4	2,491.79	3/4	2,858.65	3/4	3,225.51	3/4	3,592.38	3/4	3,959.24	3/4	4,320.17	3/4	4,662.72	3/4	4,966.17	3/4	4,966.17
5	0.72	5	302.26	5	665.11	5	1,031.97	5	1,398.84	5	1,765.70	5	2,132.56	5	2,499.43	5	2,866.29	5	3,233.16	5	3,600.02	5	3,966.88	5	4,327.46	5	4,669.52	5	4,968.39	5	4,968.39
1 1/4	1.67	1 1/4	309.90	1 1/4	672.75	1 1/4	1,039.62	1 1/4	1,406.48	1 1/4	1,773.34	1 1/4	2,140.21	1 1/4	2,507.07	1 1/4	2,873.94	1 1/4	3,240.80	1 1/4	3,607.66	1 1/4	3,974.53	1 1/4	4,334.76	1 1/4	4,676.52	1 1/4	4,970.60	1 1/4	4,970.60
1 1/2	2.62	1 1/2	317.53	1 1/2	680.39	1 1/2	1,047.26	1 1/2	1,414.12	1 1/2	1,780.99	1 1/2	2,147.85	1 1/2	2,514.71	1 1/2	2,881.58	1 1/2	3,248.44	1 1/2	3,615.31	1 1/2	3,982.17	1 1/2	4,342.05	1 1/2	4,683.42	1 1/2	4,972.82	1 1/2	4,972.82
3/4	3.58	3/4	325.17	3/4	688.04	3/4	1,054.90	3/4	1,421.77	3/4	1,788.63	3/4	2,155.49	3/4	2,522.36	3/4	2,889.22	3/4	3,256.09	3/4	3,622.95	3/4	3,989.81	3/4	4,349.34	3/4	4,690.32	3/4	4,973.51	3/4	4,973.51
6	4.53	6	332.80	6	695.68	6	1,062.54	6	1,429.41	6	1,796.27	6	2,163.14	6	2,530.00	6	2,896.86	6	3,263.73	6	3,630.59	6	3,997.46	6	4,358.63	6	4,697.22	6	4,974.20	6	4,974.20
1 1/4	7.39	1 1/4	340.44	1 1/4	703.32	1 1/4	1,070.19	1 1/4	1,437.05	1 1/4	1,803.92	1 1/4	2,170.78	1 1/4	2,537.64	1 1/4	2,904.51	1 1/4	3,271.37	1 1/4	3,638.24	1 1/4	4,005.10	1 1/4	4,363.92	1 1/4	4,704.12	1 1/4	4,974.89	1 1/4	4,974.89
1 1/2	10.25	1 1/2	348.07	1 1/2	710.87	1 1/2	1,077.83	1 1/2	1,444.69	1 1/2	1,811.56	1 1/2	2,178.42	1 1/2	2,545.29	1 1/2	2,912.15	1 1/2	3,279.01	1 1/2	3,645.88	1 1/2	4,012.74	1 1/2	4,371.21	1 1/2	4,711.02	1 1/2	4,975.58	1 1/2	4,975.58
3/4	13.11	3/4	355.71	3/4	718.61	3/4	1,085.47	3/4	1,452.34	3/4	1,819.20	3/4	2,186.07	3/4	2,552.93	3/4	2,919.79	3/4	3,286.66	3/4	3,653.52	3/4	4,020.39	3/4	4,378.50	3/4	4,717.92	3/4	4,975.58	3/4	4,975.58
7	15.87	7	363.34	7	726.25	7	1,089.12	7	1,456.98	7	1,823.84	7	2,190.71	7	2,557.57	7	2,924.44	7	3,291.30	7	3,658.16	7	4,025.03	7	4,383.79	7	4,724.82	7	4,975.58	7	4,975.58
1 1/4	20.74	1 1/4	370.98	1 1/4	733.90	1 1/4	1,100.76	1 1/4	1,467.62	1 1/4	1,834.49	1 1/4	2,201.35	1 1/4	2,568.22	1 1/4	2,935.08	1 1/4	3,301.94	1 1/4	3,668.81	1 1/4	4,035.67	1 1/4	4,393.08	1 1/4	4,734.72	1 1/4	4,975.58	1 1/4	4,975.58
1 1/2	25.51	1 1/2	378.61	1 1/2	741.54	1 1/2	1,108.40	1 1/2	1,475.27	1 1/2	1,842.13	1 1/2	2,208.99	1 1/2	2,575.86	1 1/2	2,942.72	1 1/2	3,309.59	1 1/2	3,676.45	1 1/2	4,043.31	1 1/2	4,400.37	1 1/2	4,738.62	1 1/2	4,975.58		



# BARGE "GRIFCO 3009" GRIFCO TRANSPORTATION COMPANY

TANK NO.

# 3 PORT OR STAR

## INNAGE TABLE

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

HULL NO. 2163-2

	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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
0	0.00	0	98.12	0	458.78	0	823.63	0	1,188.28	0	1,553.04	0	1,917.79	0	2,282.54	0	2,647.29	0	3,012.04	0	3,376.80	0	3,741.56	0	4,106.31	0	4,471.07	0	4,835.82	0	5,200.58	0	5,565.34	0	5,930.10	0	6,294.86	0	6,659.62	0	7,024.38	0	7,389.14	0	7,753.90	0	8,118.66	0	8,483.42	0	8,848.18	0	9,212.94	0	9,577.70	0	9,942.46	0	10,307.22	0	10,671.98	0	11,036.74	0	11,401.50	0	11,766.26	0	12,131.02	0	12,495.78	0	12,860.54	0	13,225.30	0	13,590.06	0	13,954.82	0	14,319.58	0	14,684.34	0	15,049.10	0	15,413.86	0	15,778.62	0	16,143.38	0	16,508.14	0	16,872.90	0	17,237.66	0	17,602.42	0	17,967.18	0	18,331.94	0	18,696.70	0	19,061.46	0	19,426.22	0	19,790.98	0	20,155.74	0	20,520.50	0	20,885.26	0	21,250.02	0	21,614.78	0	21,979.54	0	22,344.30	0	22,709.06	0	23,073.82	0	23,438.58	0	23,803.34	0	24,168.10	0	24,532.86	0	24,897.62	0	25,262.38	0	25,627.14	0	25,991.90	0	26,356.66	0	26,721.42	0	27,086.18	0	27,450.94	0	27,815.70	0	28,180.46	0	28,545.22	0	28,909.98	0	29,274.74	0	29,639.50	0	30,004.26	0	30,369.02	0	30,733.78	0	31,098.54	0	31,463.30	0	31,828.06	0	32,192.82	0	32,557.58	0	32,922.34	0	33,287.10	0	33,651.86	0	34,016.62	0	34,381.38	0	34,746.14	0	35,110.90	0	35,475.66	0	35,840.42	0	36,205.18	0	36,569.94	0	36,934.70	0	37,299.46	0	37,664.22	0	38,028.98	0	38,393.74	0	38,758.50	0	39,123.26	0	39,488.02	0	39,852.78	0	40,217.54	0	40,582.30	0	40,947.06	0	41,311.82	0	41,676.58	0	42,041.34	0	42,406.10	0	42,770.86	0	43,135.62	0	43,500.38	0	43,865.14	0	44,229.90	0	44,594.66	0	44,959.42	0	45,324.18	0	45,688.94	0	46,053.70	0	46,418.46	0	46,783.22	0	47,147.98	0	47,512.74	0	47,877.50	0	48,242.26	0	48,607.02	0	48,971.78	0	49,336.54	0	49,701.30	0	50,066.06	0	50,430.82	0	50,795.58	0	51,160.34	0	51,525.10	0	51,889.86	0	52,254.62	0	52,619.38	0	52,984.14	0	53,348.90	0	53,713.66	0	54,078.42	0	54,443.18	0	54,807.94	0	55,172.70	0	55,537.46	0	55,902.22	0	56,266.98	0	56,631.74	0	56,996.50	0	57,361.26	0	57,726.02	0	58,090.78	0	58,455.54	0	58,820.30	0	59,185.06	0	59,549.82	0	59,914.58	0	60,279.34	0	60,644.10	0	61,008.86	0	61,373.62	0	61,738.38	0	62,103.14	0	62,467.90	0	62,832.66	0	63,197.42	0	63,562.18	0	63,926.94	0	64,291.70	0	64,656.46	0	65,021.22	0	65,385.98	0	65,750.74	0	66,115.50	0	66,480.26	0	66,845.02	0	67,209.78	0	67,574.54	0	67,939.30	0	68,304.06	0	68,668.82	0	69,033.58	0	69,398.34	0	69,763.10	0	70,127.86	0	70,492.62	0	70,857.38	0	71,222.14	0	71,586.90	0	71,951.66	0	72,316.42	0	72,681.18	0	73,045.94	0	73,410.70	0	73,775.46	0	74,140.22	0	74,504.98	0	74,869.74	0	75,234.50	0	75,599.26	0	75,964.02	0	76,328.78	0	76,693.54	0	77,058.30	0	77,423.06	0	77,787.82	0	78,152.58	0	78,517.34	0	78,882.10	0	79,246.86	0	79,611.62	0	79,976.38	0	80,341.14	0	80,705.90	0	81,070.66	0	81,435.42	0	81,799.18	0	82,163.94	0	82,528.70	0	82,893.46	0	83,258.22	0	83,622.98	0	83,987.74	0	84,352.50	0	84,717.26	0	85,082.02	0	85,446.78	0	85,811.54	0	86,176.30	0	86,541.06	0	86,905.82	0	87,270.58	0	87,635.34	0	87,999.10	0	88,363.86	0	88,728.62	0	89,093.38	0	89,458.14	0	89,822.90	0	90,187.66	0	90,552.42	0	90,917.18	0	91,281.94	0	91,646.70	0	92,011.46	0	92,376.22	0	92,740.98	0	93,105.74	0	93,470.50	0	93,835.26	0	94,199.02	0	94,563.78	0	94,928.54	0	95,293.30	0	95,658.06	0	96,022.82	0	96,387.58	0	96,752.34	0	97,117.10	0	97,481.86	0	97,846.62	0	98,211.38	0	98,576.14	0	98,940.90	0	99,305.66	0	99,670.42	0	100,035.18	0	100,399.94	0	100,764.70	0	101,129.46	0	101,494.22	0	101,858.98	0	102,223.74	0	102,588.50	0	102,953.26	0	103,318.02	0	103,682.78	0	104,047.54	0	104,412.30	0	104,777.06	0	105,141.82	0	105,506.58	0	105,871.34	0	106,236.10	0	106,600.86	0	106,965.62	0	107,330.38	0	107,695.14	0	108,059.90	0	108,424.66	0	108,789.42	0	109,154.18	0	109,518.94	0	109,883.70	0	110,248.46	0	110,613.22	0	110,977.98	0	111,342.74	0	111,707.50	0	112,072.26	0	112,437.02	0	112,801.78	0	113,166.54	0	113,531.30	0	113,896.06	0	114,260.82	0	114,625.58	0	114,990.34	0	115,355.10	0	115,719.86	0	116,084.62	0	116,449.38	0	116,814.14	0	117,178.90	0	117,543.66	0	117,908.42	0	118,273.18	0	118,637.94	0	119,002.70	0	119,367.46	0	119,732.22	0	120,096.98	0	120,461.74	0	120,826.50	0	121,191.26	0	121,556.02	0	121,920.78	0	122,285.54	0	122,650.30	0	123,015.06	0	123,379.82	0	123,744.58	0	124,109.34	0	124,474.10	0	124,838.86	0	125,203.62	0	125,568.38	0	125,933.14	0	126,297.90	0	126,662.66	0	127,027.42	0	127,392.18	0	127,756.94	0	128,121.70	0	128,486.46	0	128,851.22	0	129,215.98	0	129,580.74	0	129,945.50	0	130,310.26	0	130,675.02	0	131,039.78	0	131,404.54	0	131,769.30	0	132,134.06	0	132,498.82	0	132,863.58	0	133,228.34	0	133,593.10	0	133,957.86	0	134,322.62	0	134,687.38	0	135,052.14	0	135,416.90	0	135,781.66	0	136,146.42	0	136,511.18	0	136,875.94	0	137,240.70	0	137,605.46	0	137,970.22	0	138,334.98	0	138,699.74	0	139,064.50	0	139,429.26	0	139,794.02	0	140,158.78	0	140,523.54	0	140,888.30	0	141,253.06	0	141,617.82	0	141,982.58	0	142,347.34	0	142,712.10	0	143,076.86	0	143,441.62	0	143,806.38	0	144,171.14	0	144,535.90	0	144,900.66	0	145,265.42	0	145,630.18	0	145,994.94	0	146,359.70	0	146,724.46	0	147,089.22	0	147,453.98	0	147,818.74	0	148,183.50	0	148,548.26	0	148,913.02	0	149,277.78	0	149,642.54	0	150,007.30	0	150,372.06	0	150,736.82	0	151,101.58	0	151,466.34	0	151,831.10	0	152,195.86	0	152,560.62	0	152,925.38	0	153,290.14	0	153,654.90	0	154,019.66	0	154,384.42	0	154,749.18	0	155,113.94	0	155,478.70	0	155,843.46	0	156,208.22	0	156,572.98	0	156,937.74	0	157,302.50	0	157,667.26	0	158,032.02	0	158,396.78	0	158,761.54	0	159,126.30	0	159,491.06	0	159,855.82	0	160,220.58	0	160,585.34	0	160,950.10	0	161,314.86	0	161,679.62	0	162,044.38	0	162,409.14	0	162,773.90	0	163,138.66	0	163,503.42	0	163,868.18	0	164,232.94	0	164,597.70	0	164,962.46	0	165,327.22	0	165,691.98	0	166,056.74	0	166,421.50	0	166,786.26	0	167,151.02	0	167,515.78	0	167,880.54	0	168,245.30	0	168,610.06	0	168,974.82	0	169,339.58	0	169,704.34	0	170,069.10	0	170,433.86	0	170,798.62	0	171,163.38	0	171,528.14	0	171,892.90	0	172,257.66	0	172,622.42	0	172,987.18	0	173,351.94	0	173,716.70	0	174,081.46	0	174,446.22	0	174,810.98	0	175,175.74	0	175,540.50	0	175,905.26	0	176,270.02	0	176,634.78	0	176,999.54	0	177,364.30	0	177,729.06	0	178,093.82	0	178,458.58	0	178,823.34	0	179,188.10	0	179,552.86	0	179,917.62	0	180,282.38	0	180,647.14	0	181,011.90	0	181,376.66	0	181,741.42	0	182,106.18	0	182,470.94	0	182,835.70	0	183,200.46	0	183,565.22	0	183,929.98	0	184,294.74	0	184,659.50	0	185,024.26	0	185,389.02	0	185,753.78	0	186,118.54	0	186,483.30	0	186,848.06	0	187,212.82	0	187,577.58	0	187,942.34	0	188,307.10	0	188,671.86	0	189,036.62	0	189,401.38	0	189,766.14	0	190,130.90	0	190,495.66	0	190,860.42	0	191,225.18	0	191,589.94	0	191,954.70	0	19