

BARGE "BUFFALO 409"

BUFFALO MARINE SERVICE

HULL NO. 4672

CORRECTION TABLE FOR TRIM AFT.

FOR INNAGE GAUGES ONLY

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

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: 9/4/08

BY:



INSPECTORATE AMERICA CORPORATION



BARGE 'BUFFALO 409' BUFFALO MARINE SERVICE

INNAGE TABLE

1 PORT OR STAR

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

HULL NO. 4672

	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		IN	
0	*	6.11	0	192.78	0	391.93	0	591.08	0	790.23	0	989.39	0	1,188.54	0	1,387.69	0	1,586.84	0	1,785.99	0	1,985.15	0	2,184.30	0	2,383.45	0	2,543.62	0		
1/4		7.88	1/4	196.93	1/4	396.08	1/4	595.23	1/4	794.38	1/4	993.54	1/4	1,192.69	1/4	1,391.84	1/4	1,590.99	1/4	1,790.14	1/4	1,989.29	1/4	2,188.45	1/4	2,387.60	1/4	2,544.25	1/4		
1/2		9.64	1/2	201.08	1/2	400.23	1/2	599.38	1/2	798.53	1/2	997.68	1/2	1,196.84	1/2	1,395.99	1/2	1,595.14	1/2	1,794.29	1/2	1,993.44	1/2	2,192.60	1/2	2,391.75	1/2	2,544.89	1/2		
3/4		12.60	3/4	205.23	3/4	404.38	3/4	603.53	3/4	802.68	3/4	1,001.83	3/4	1,200.99	3/4	1,400.14	3/4	1,599.29	3/4	1,798.44	3/4	1,997.59	3/4	2,196.74	3/4	2,395.90	3/4	2,545.05	3/4		
1		15.55	1	209.37	1	408.53	1	607.68	1	806.83	1	1,005.98	1	1,205.13	1	1,404.29	1	1,603.44	1	1,802.59	1	2,001.74	1	2,200.89	1	2,400.05	1	2,545.21	1		
1/4		18.50	1/4	213.52	1/4	412.68	1/4	611.83	1/4	810.98	1/4	1,010.13	1/4	1,209.28	1/4	1,408.43	1/4	1,607.59	1/4	1,806.74	1/4	2,005.89	1/4	2,205.04	1/4	2,404.19	1/4				
1/2		21.45	1/2	217.67	1/2	416.82	1/2	615.98	1/2	815.13	1/2	1,014.28	1/2	1,213.43	1/2	1,412.58	1/2	1,611.74	1/2	1,810.89	1/2	2,010.04	1/2	2,209.19	1/2	2,408.34	1/2				
3/4		25.29	3/4	221.82	3/4	420.97	3/4	620.13	3/4	819.28	3/4	1,018.43	3/4	1,217.58	3/4	1,416.73	3/4	1,615.88	3/4	1,815.04	3/4	2,014.19	3/4	2,213.34	3/4	2,412.49	3/4				
2		29.13	2	225.97	2	425.12	2	624.27	2	823.43	2	1,022.58	2	1,221.73	2	1,420.88	2	1,620.03	2	1,819.19	2	2,018.34	2	2,217.49	2	2,416.64	2				
1/4		33.27	1/4	230.12	1/4	429.27	1/4	628.42	1/4	827.58	1/4	1,026.73	1/4	1,225.88	1/4	1,425.03	1/4	1,624.18	1/4	1,823.33	1/4	2,022.49	1/4	2,221.64	1/4	2,420.79	1/4				
1/2		37.40	1/2	234.27	1/2	433.42	1/2	632.57	1/2	831.72	1/2	1,030.88	1/2	1,230.03	1/2	1,429.18	1/2	1,628.33	1/2	1,827.48	1/2	2,026.64	1/2	2,225.79	1/2	2,424.94	1/2				
3/4		41.54	3/4	238.42	3/4	437.57	3/4	636.72	3/4	835.87	3/4	1,035.03	3/4	1,234.18	3/4	1,433.33	3/4	1,632.48	3/4	1,831.63	3/4	2,030.78	3/4	2,229.93	3/4	2,429.09	3/4				
3		45.68	3	242.57	3	441.72	3	640.87	3	840.02	3	1,039.17	3	1,238.33	3	1,437.48	3	1,636.63	3	1,835.78	3	2,034.93	3	2,234.09	3	2,433.24	3				
1/4		49.81	1/4	246.72	1/4	445.87	1/4	645.02	1/4	844.17	1/4	1,043.32	1/4	1,242.47	1/4	1,441.63	1/4	1,640.78	1/4	1,839.93	1/4	2,039.08	1/4	2,238.23	1/4	2,437.39	1/4				
1/2		53.95	1/2	250.86	1/2	450.02	1/2	649.17	1/2	848.32	1/2	1,047.47	1/2	1,246.62	1/2	1,445.78	1/2	1,644.93	1/2	1,844.08	1/2	2,043.23	1/2	2,242.38	1/2	2,441.54	1/2				
3/4		58.08	3/4	255.01	3/4	454.17	3/4	653.32	3/4	852.47	3/4	1,051.62	3/4	1,250.77	3/4	1,449.92	3/4	1,649.08	3/4	1,848.23	3/4	2,047.38	3/4	2,246.53	3/4	2,445.68	3/4				
4		62.22	4	259.16	4	458.31	4	657.47	4	856.62	4	1,055.77	4	1,254.92	4	1,454.07	4	1,653.23	4	1,852.38	4	2,051.53	4	2,250.68	4	2,449.83	4				
1/4		66.36	1/4	263.31	1/4	462.46	1/4	661.62	1/4	860.77	1/4	1,059.92	1/4	1,259.07	1/4	1,458.22	1/4	1,657.37	1/4	1,856.53	1/4	2,055.68	1/4	2,254.83	1/4	2,453.98	1/4				
1/2		70.49	1/2	267.46	1/2	466.61	1/2	665.76	1/2	864.92	1/2	1,064.07	1/2	1,263.22	1/2	1,462.37	1/2	1,661.52	1/2	1,860.68	1/2	2,059.83	1/2	2,258.98	1/2	2,458.13	1/2				
3/4		74.55	3/4	271.61	3/4	470.76	3/4	669.91	3/4	869.07	3/4	1,068.22	3/4	1,267.37	3/4	1,466.52	3/4	1,665.67	3/4	1,864.82	3/4	2,063.98	3/4	2,263.13	3/4	2,462.28	3/4				
5		78.61	5	275.76	5	474.91	5	674.06	5	873.21	5	1,072.37	5	1,271.52	5	1,470.67	5	1,669.82	5	1,868.97	5	2,068.13	5	2,267.28	5	2,466.43	5				
1/4		82.67	1/4	279.91	1/4	479.06	1/4	678.21	1/4	877.36	1/4	1,078.52	1/4	1,277.67	1/4	1,476.82	1/4	1,675.97	1/4	1,875.12	1/4	2,074.27	1/4	2,273.42	1/4	2,472.57	1/4				
1/2		86.72	1/2	284.06	1/2	483.21	1/2	682.36	1/2	881.51	1/2	1,084.81	1/2	1,283.96	1/2	1,483.11	1/2	1,682.27	1/2	1,881.42	1/2	2,080.57	1/2	2,279.72	1/2	2,478.88	1/2				
3/4		90.78	3/4	288.21	3/4	487.36	3/4	686.51	3/4	885.66	3/4	1,084.81	3/4	1,283.96	3/4	1,483.11	3/4	1,682.27	3/4	1,881.42	3/4	2,080.57	3/4	2,279.72	3/4	2,478.88	3/4				
6		94.84	6	292.35	6	491.51	6	690.66	6	889.81	6	1,088.96	6	1,288.11	6	1,487.27	6	1,686.42	6	1,885.57	6	2,084.72	6	2,283.87	6	2,483.03	6				
1/4		98.90	1/4	296.50	1/4	495.66	1/4	694.81	1/4	893.96	1/4	1,093.11	1/4	1,292.26	1/4	1,491.41	1/4	1,690.57	1/4	1,889.72	1/4	2,088.87	1/4	2,288.02	1/4	2,487.17	1/4				
1/2		102.96	1/2	300.65	1/2	499.80	1/2	698.96	1/2	898.11	1/2	1,097.26	1/2	1,296.41	1/2	1,495.56	1/2	1,694.72	1/2	1,893.87	1/2	2,093.02	1/2	2,292.17	1/2	2,491.32	1/2				
3/4		107.01	3/4	304.80	3/4	503.95	3/4	703.11	3/4	902.26	3/4	1,101.41	3/4	1,300.56	3/4	1,499.71	3/4	1,698.86	3/4	1,898.02	3/4	2,097.17	3/4	2,296.32	3/4	2,495.48	3/4				
7		111.07	7	308.95	7	508.10	7	707.25	7	906.41	7	1,105.56	7	1,304.71	7	1,503.86	7	1,703.01	7	1,902.17	7	2,101.32	7	2,300.47	7	2,499.63	7				
1/4		115.13	1/4	313.10	1/4	512.25	1/4	711.40	1/4	910.56	1/4	1,109.71	1/4	1,308.86	1/4	1,508.01	1/4	1,707.16	1/4	1,906.31	1/4	2,105.47	1/4	2,304.62	1/4	2,503.78	1/4				
1/2		119.19	1/2	317.25	1/2	516.40	1/2	715.55	1/2	914.70	1/2	1,113.86	1/2	1,313.01	1/2	1,512.16	1/2	1,711.31	1/2	1,910.46	1/2	2,109.62	1/2	2,308.77	1/2	2,506.93	1/2				
3/4		123.25	3/4	321.40	3/4	520.55	3/4	719.70	3/4	918.85	3/4	1,118.01	3/4	1,317.16	3/4	1,516.31	3/4	1,715.46	3/4	1,914.61	3/4	2,113.76	3/4	2,312.92	3/4	2,509.82	3/4				
8		127.30	8	325.55	8	524.70	8	723.85	8	923.00	8	1,122.15	8	1,321.31	8	1,520.46	8	1,719.61	8	1,918.76	8	2,117.91	8	2,317.07	8	2,516.23	8				
1/4		131.36	1/4	329.70	1/4	528.85	1/4	728.00	1/4	927.15	1/4	1,126.30	1/4	1,325.45	1/4	1,524.61	1/4	1,723.76	1/4	1,922.91	1/4	2,122.06	1/4	2,321.21	1/4	2,519.47	1/4				
1/2		135.42	1/2	333.84	1/2	533.00	1/2	732.15	1/2	931.30	1/2	1,130.45	1/2	1,329.60	1/2	1,528.76	1/2	1,727.91	1/2	1,927.06	1/2	2,126.21	1/2	2,325.36	1/2	2,519.38	1/2				
3/4		139.48	3/4	337.99	3/4	537.15	3/4	736.30	3/4	935.45	3/4	1,134.60	3/4	1,333.75	3/4	1,532.90	3/4	1,732.06	3/4	1,931.21	3/4	2,130.36	3/4	2,329.51	3/4	2,521					



BARGE "BUFFALO 409" BUFFALO MARINE SERVICE

INNAGE TABLE

2 PORT OR STAR

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

HULL NO. 4672

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.
0	* 6.06	0	191.08	0	388.45	0	585.83	0	783.20	0	980.58	0	1,177.96	0	1,375.33	0	1,572.71	0	1,770.08	0	1,967.46	0	2,164.84	0	2,362.21	0	2,520.96	0	
1/4	7.81	1/4	195.19	1/4	392.56	1/4	589.94	1/4	787.32	1/4	984.69	1/4	1,182.07	1/4	1,379.44	1/4	1,576.82	1/4	1,774.20	1/4	1,971.57	1/4	2,168.95	1/4	2,366.32	1/4	2,521.59	1/4	
1/2	9.56	1/2	199.30	1/2	396.68	1/2	594.05	1/2	791.43	1/2	988.80	1/2	1,186.18	1/2	1,383.56	1/2	1,580.93	1/2	1,778.31	1/2	1,975.68	1/2	2,173.06	1/2	2,370.44	1/2	2,522.22	1/2	
3/4	12.49	3/4	203.41	3/4	400.79	3/4	598.16	3/4	795.54	3/4	992.92	3/4	1,190.29	3/4	1,387.67	3/4	1,585.04	3/4	1,782.42	3/4	1,979.80	3/4	2,177.17	3/4	2,374.55	3/4	2,522.38	3/4	
1	15.41	1	207.52	1	404.90	1	602.28	1	799.65	1	997.03	1	1,194.40	1	1,391.78	1	1,589.16	1	1,786.53	1	1,983.91	1	2,181.28	1	2,378.66	1	2,522.54	1	
1/4	18.34	1/4	211.64	1/4	409.01	1/4	606.39	1/4	803.76	1/4	1,001.14	1/4	1,198.52	1/4	1,395.89	1/4	1,593.27	1/4	1,790.64	1/4	1,988.02	1/4	2,185.40	1/4	2,382.77	1/4	2,522.70	1/4	
1/2	21.26	1/2	215.75	1/2	413.12	1/2	610.50	1/2	807.88	1/2	1,005.25	1/2	1,202.63	1/2	1,400.00	1/2	1,597.38	1/2	1,794.76	1/2	1,992.13	1/2	2,189.51	1/2	2,386.88	1/2	2,522.84	1/2	
3/4	25.07	3/4	219.86	3/4	417.24	3/4	614.61	3/4	811.99	3/4	1,009.36	3/4	1,206.74	3/4	1,404.12	3/4	1,601.49	3/4	1,798.87	3/4	1,996.24	3/4	2,193.62	3/4	2,391.00	3/4	2,523.00	3/4	
2	28.88	2	223.97	2	421.35	2	618.72	2	816.10	2	1,013.48	2	1,210.85	2	1,408.23	2	1,605.60	2	1,802.98	2	2,000.36	2	2,197.73	2	2,395.11	2	2,523.16	2	
1/4	32.98	1/4	228.08	1/4	425.46	1/4	622.84	1/4	820.21	1/4	1,017.59	1/4	1,214.96	1/4	1,412.34	1/4	1,609.72	1/4	1,807.09	1/4	2,004.47	1/4	2,201.84	1/4	2,399.22	1/4	2,523.32	1/4	
1/2	37.08	1/2	232.20	1/2	429.57	1/2	626.95	1/2	824.32	1/2	1,021.70	1/2	1,219.08	1/2	1,416.45	1/2	1,613.83	1/2	1,811.20	1/2	2,008.58	1/2	2,205.96	1/2	2,403.33	1/2	2,523.48	1/2	
3/4	41.18	3/4	236.31	3/4	433.68	3/4	631.06	3/4	828.44	3/4	1,025.81	3/4	1,223.19	3/4	1,420.56	3/4	1,617.94	3/4	1,815.32	3/4	2,012.69	3/4	2,210.07	3/4	2,407.44	3/4	2,523.64	3/4	
3	45.28	3	240.42	3	437.80	3	635.17	3	832.55	3	1,029.92	3	1,227.30	3	1,424.68	3	1,622.05	3	1,819.43	3	2,016.80	3	2,214.18	3	2,411.56	3	2,523.80	3	
1/4	49.38	1/4	244.53	1/4	441.91	1/4	639.28	1/4	836.66	1/4	1,034.04	1/4	1,231.41	1/4	1,428.79	1/4	1,626.16	1/4	1,823.54	1/4	2,020.92	1/4	2,218.29	1/4	2,415.67	1/4	2,523.96	1/4	
1/2	53.48	1/2	248.64	1/2	446.02	1/2	643.40	1/2	840.77	1/2	1,038.15	1/2	1,235.52	1/2	1,432.90	1/2	1,630.28	1/2	1,827.65	1/2	2,025.03	1/2	2,222.40	1/2	2,419.78	1/2	2,524.12	1/2	
3/4	57.58	3/4	252.76	3/4	450.13	3/4	647.51	3/4	844.88	3/4	1,042.26	3/4	1,239.64	3/4	1,437.01	3/4	1,634.39	3/4	1,831.76	3/4	2,029.14	3/4	2,226.52	3/4	2,423.89	3/4	2,524.28	3/4	
4	61.68	4	256.87	4	454.24	4	651.62	4	849.00	4	1,046.37	4	1,243.75	4	1,441.12	4	1,638.50	4	1,835.88	4	2,033.25	4	2,230.63	4	2,428.00	4	2,524.44	4	
1/4	65.78	1/4	260.98	1/4	458.36	1/4	655.73	1/4	853.11	1/4	1,050.48	1/4	1,247.86	1/4	1,445.24	1/4	1,642.61	1/4	1,839.99	1/4	2,037.36	1/4	2,234.74	1/4	2,432.12	1/4	2,524.60	1/4	
1/2	69.88	1/2	265.09	1/2	462.47	1/2	659.84	1/2	857.22	1/2	1,054.60	1/2	1,251.97	1/2	1,449.35	1/2	1,646.72	1/2	1,844.10	1/2	2,041.48	1/2	2,238.85	1/2	2,436.23	1/2	2,524.76	1/2	
3/4	73.90	3/4	269.20	3/4	466.58	3/4	663.96	3/4	861.33	3/4	1,058.71	3/4	1,256.08	3/4	1,453.46	3/4	1,650.84	3/4	1,848.21	3/4	2,045.59	3/4	2,242.96	3/4	2,440.34	3/4	2,524.92	3/4	
5	77.92	5	273.32	5	470.69	5	668.07	5	865.44	5	1,062.82	5	1,260.20	5	1,457.57	5	1,654.95	5	1,852.32	5	2,049.70	5	2,247.08	5	2,444.45	5	2,525.08	5	
1/4	81.94	1/4	277.43	1/4	474.80	1/4	672.18	1/4	869.56	1/4	1,066.93	1/4	1,264.31	1/4	1,461.68	1/4	1,659.06	1/4	1,856.44	1/4	2,053.81	1/4	2,251.19	1/4	2,448.56	1/4	2,525.24	1/4	
1/2	85.96	1/2	281.54	1/2	478.92	1/2	676.29	1/2	873.67	1/2	1,071.04	1/2	1,268.42	1/2	1,465.80	1/2	1,663.17	1/2	1,860.55	1/2	2,057.92	1/2	2,255.30	1/2	2,452.68	1/2	2,525.40	1/2	
3/4	89.99	3/4	285.65	3/4	483.03	3/4	680.40	3/4	877.78	3/4	1,075.16	3/4	1,272.53	3/4	1,469.91	3/4	1,667.28	3/4	1,864.66	3/4	2,062.04	3/4	2,259.41	3/4	2,456.79	3/4	2,525.56	3/4	
6	94.01	6	289.76	6	487.14	6	684.52	6	881.89	6	1,079.27	6	1,276.64	6	1,474.02	6	1,671.40	6	1,868.77	6	2,066.15	6	2,263.52	6	2,460.90	6	2,525.72	6	
1/4	98.03	1/4	293.88	1/4	491.25	1/4	688.63	1/4	886.00	1/4	1,083.38	1/4	1,280.76	1/4	1,478.13	1/4	1,675.51	1/4	1,872.88	1/4	2,070.26	1/4	2,267.64	1/4	2,465.01	1/4	2,525.88	1/4	
1/2	102.05	1/2	297.99	1/2	495.36	1/2	692.74	1/2	890.12	1/2	1,087.49	1/2	1,284.87	1/2	1,482.24	1/2	1,679.62	1/2	1,877.00	1/2	2,074.37	1/2	2,271.75	1/2	2,469.12	1/2	2,526.04	1/2	
3/4	106.07	3/4	302.10	3/4	499.48	3/4	696.85	3/4	894.23	3/4	1,091.60	3/4	1,288.98	3/4	1,486.36	3/4	1,683.73	3/4	1,881.11	3/4	2,078.48	3/4	2,275.86	3/4	2,473.23	3/4	2,526.20	3/4	
7	110.10	7	306.21	7	503.59	7	700.96	7	898.34	7	1,095.72	7	1,293.09	7	1,490.47	7	1,687.84	7	1,885.22	7	2,082.60	7	2,279.97	7	2,476.71	7	2,526.36	7	
1/4	114.12	1/4	310.32	1/4	507.70	1/4	705.08	1/4	902.45	1/4	1,099.83	1/4	1,297.20	1/4	1,494.58	1/4	1,691.96	1/4	1,889.33	1/4	2,086.71	1/4	2,284.08	1/4	2,480.50	1/4	2,526.52	1/4	
1/2	118.14	1/2	314.44	1/2	511.81	1/2	709.19	1/2	906.56	1/2	1,103.94	1/2	1,301.32	1/2	1,498.69	1/2	1,696.07	1/2	1,893.44	1/2	2,090.82	1/2	2,288.20	1/2	2,484.29	1/2	2,526.68	1/2	
3/4	122.16	3/4	318.55	3/4	515.92	3/4	713.30	3/4	910.68	3/4	1,108.05	3/4	1,305.43	3/4	1,502.80	3/4	1,700.18	3/4	1,897.56	3/4	2,094.93	3/4	2,292.31	3/4	2,487.45	3/4	2,526.84	3/4	
8	126.18	8	322.66	8	520.04	8	717.41	8	914.79	8	1,112.16	8	1,309.54	8	1,506.92	8	1,704.29	8	1,901.67	8	2,099.04	8	2,296.42	8	2,490.61	8	2,527.00	8	
1/4	130.21	1/4	326.77	1/4	524.15	1/4	721.52	1/4	918.90	1/4	1,116.28	1/4	1,313.65	1/4	1,511.03	1/4	1,708.40	1/4	1,905.78	1/4	2,103.16	1/4	2,300.53	1/4	2,493.78	1/4	2,527.16	1/4	
1/2	134.23	1/2	330.88	1/2	528.26	1/2	725.64	1/2	923.01	1/2	1,120.39	1/2	1,317.76	1/2	1,515.14	1/2	1,712.52	1/2	1,909.89	1/2	2,107.27	1/2	2,304.64	1/2	2,496.94	1/2	2,527.32	1/2	
3/4	138.25	3/4	335.00	3/4	532.37	3/4	729.75	3/4	927.12	3/4	1,124.50	3/4	1,321.88	3/4	1,519.25	3/4	1,716.63	3/4	1,914.00	3/4	2,111.38	3/4	2,308.76	3/4	2,499.47	3/4	2,527.48	3/4	
9	142.27	9	339.11	9	536.48	9	733.86	9	931.24	9	1,128.61	9	1,325.99	9	1,523.36	9	1,720.74	9	1,918.12	9	2,115.49	9	2,312.87	9	2,501.99	9	2,527.64	9	
1/4	146.29	1/4	343.22	1/4	540.60	1/4	737.97	1/4	935.35	1/4	1,132.72	1/4	1,330.10	1/4	1,527.48	1/4	1,724.85	1/4	1,922.23	1/4	2,119.60	1/4	2,316.98	1/4	2,504.52	1/4	2,527.80	1/4	
1/2	150.32	1/2	347.33	1/2	544.71	1/2	742.08	1/2	939.46	1/2	1,136.84	1/2	1,334.21	1/2	1,531.59	1/2	1,728.96	1/2	1,926.34	1/2	2,123.72	1/2	2,321.09	1/2	2,507.05	1/2	2,527.96	1/2	
3/4	154.34	3/4	351.44	3/4	548.82	3/4	746.20	3/4	943.57	3/4	1,140.95	3/4	1,338.32	3/4	1,535.70	3/4	1,733.08	3/4	1,930.45	3/4	2,127								



BARGE 'BUFFALO 409' BUFFALO MARINE SERVICE

INNAGE TABLE

3 PORT OR STAR

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

HULL NO. 4672

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	
0	* 6.24	0	197.11	0	400.54	0	603.96	0	807.39	0	1,010.81	0	1,214.23	0	1,417.66	0	1,621.08	0	1,824.51	0	2,027.93	0	2,231.35	0	2,434.78	0	2,598.44	0		
1/4	8.05	1/4	201.35	1/4	404.78	1/4	608.20	1/4	811.62	1/4	1,015.05	1/4	1,218.47	1/4	1,421.90	1/4	1,625.32	1/4	1,828.74	1/4	2,032.17	1/4	2,235.59	1/4	2,439.02	1/4	2,599.09	1/4		
1/2	9.86	1/2	205.59	1/2	409.01	1/2	612.44	1/2	815.86	1/2	1,019.29	1/2	1,222.71	1/2	1,426.13	1/2	1,629.56	1/2	1,832.98	1/2	2,036.41	1/2	2,239.83	1/2	2,443.25	1/2	2,599.75	1/2		
3/4	12.88	3/4	209.83	3/4	413.25	3/4	616.68	3/4	820.10	3/4	1,023.52	3/4	1,226.95	3/4	1,430.37	3/4	1,633.80	3/4	1,837.22	3/4	2,040.64	3/4	2,244.07	3/4	2,447.49	3/4	2,599.91	3/4		
1	15.89	1	214.07	1	417.49	1	620.91	1	824.34	1	1,027.76	1	1,231.19	1	1,434.61	1	1,638.03	1	1,841.46	1	2,044.88	1	2,248.31	1	2,451.73	1	2,600.07	1		
1/4	18.91	1/4	218.30	1/4	421.73	1/4	625.15	1/4	828.58	1/4	1,032.00	1/4	1,235.42	1/4	1,438.85	1/4	1,642.27	1/4	1,845.70	1/4	2,049.12	1/4	2,252.54	1/4	2,455.97	1/4	2,600.07	1/4		
1/2	21.93	1/2	222.54	1/2	425.97	1/2	629.39	1/2	832.81	1/2	1,036.24	1/2	1,239.66	1/2	1,443.09	1/2	1,646.51	1/2	1,849.93	1/2	2,053.36	1/2	2,256.78	1/2	2,460.21	1/2	2,600.07	1/2		
3/4	25.86	3/4	226.78	3/4	430.20	3/4	633.63	3/4	837.05	3/4	1,040.48	3/4	1,243.90	3/4	1,447.32	3/4	1,650.75	3/4	1,854.17	3/4	2,057.60	3/4	2,261.02	3/4	2,464.44	3/4	2,600.07	3/4		
2	29.79	2	231.02	2	434.44	2	637.87	2	841.29	2	1,044.71	2	1,248.14	2	1,451.56	2	1,654.99	2	1,858.41	2	2,061.83	2	2,265.26	2	2,468.68	2	2,600.07	2		
1/4	34.02	1/4	235.26	1/4	438.68	1/4	642.10	1/4	845.53	1/4	1,048.95	1/4	1,252.38	1/4	1,455.80	1/4	1,659.22	1/4	1,862.65	1/4	2,066.07	1/4	2,269.50	1/4	2,472.92	1/4	2,600.07	1/4		
1/2	38.25	1/2	239.49	1/2	442.92	1/2	646.34	1/2	849.77	1/2	1,053.19	1/2	1,256.61	1/2	1,460.04	1/2	1,663.46	1/2	1,866.89	1/2	2,070.31	1/2	2,273.73	1/2	2,477.16	1/2	2,600.07	1/2		
3/4	42.48	3/4	243.73	3/4	447.16	3/4	650.58	3/4	854.00	3/4	1,057.43	3/4	1,260.85	3/4	1,464.28	3/4	1,667.70	3/4	1,871.12	3/4	2,074.55	3/4	2,277.97	3/4	2,481.40	3/4	2,600.07	3/4		
3	46.71	3	247.97	3	451.39	3	654.82	3	858.24	3	1,061.67	3	1,265.09	3	1,468.51	3	1,671.94	3	1,875.36	3	2,078.79	3	2,282.21	3	2,485.63	3	2,600.07	3		
1/4	50.94	1/4	252.21	1/4	455.63	1/4	659.06	1/4	862.48	1/4	1,065.90	1/4	1,269.33	1/4	1,472.75	1/4	1,676.18	1/4	1,879.60	1/4	2,083.02	1/4	2,286.45	1/4	2,489.87	1/4	2,600.07	1/4		
1/2	55.17	1/2	256.45	1/2	459.87	1/2	663.29	1/2	866.72	1/2	1,070.14	1/2	1,273.57	1/2	1,476.99	1/2	1,680.41	1/2	1,883.84	1/2	2,087.26	1/2	2,290.69	1/2	2,494.11	1/2	2,600.07	1/2		
3/4	59.40	3/4	260.68	3/4	464.11	3/4	667.53	3/4	870.96	3/4	1,074.38	3/4	1,277.80	3/4	1,481.23	3/4	1,684.65	3/4	1,888.08	3/4	2,091.50	3/4	2,294.92	3/4	2,498.53	3/4	2,600.07	3/4		
4	63.63	4	264.92	4	468.35	4	671.77	4	875.19	4	1,078.62	4	1,282.04	4	1,485.47	4	1,688.89	4	1,892.31	4	2,095.74	4	2,299.16	4	2,502.59	4	2,600.07	4		
1/4	67.86	1/4	269.16	1/4	472.58	1/4	676.01	1/4	879.43	1/4	1,082.86	1/4	1,286.28	1/4	1,489.70	1/4	1,693.13	1/4	1,896.55	1/4	2,099.98	1/4	2,303.40	1/4	2,506.82	1/4	2,600.07	1/4		
1/2	72.09	1/2	273.40	1/2	476.82	1/2	680.25	1/2	883.67	1/2	1,087.09	1/2	1,290.52	1/2	1,493.94	1/2	1,697.37	1/2	1,900.79	1/2	2,104.21	1/2	2,307.64	1/2	2,511.06	1/2	2,600.07	1/2		
3/4	76.24	3/4	277.64	3/4	481.06	3/4	684.48	3/4	887.91	3/4	1,091.33	3/4	1,294.76	3/4	1,498.18	3/4	1,701.60	3/4	1,905.03	3/4	2,108.45	3/4	2,311.88	3/4	2,515.30	3/4	2,600.07	3/4		
5	80.39	5	281.87	5	485.30	5	688.72	5	892.15	5	1,095.57	5	1,298.99	5	1,502.42	5	1,705.84	5	1,909.27	5	2,112.69	5	2,316.11	5	2,519.54	5	2,600.07	5		
1/4	84.54	1/4	286.11	1/4	489.54	1/4	692.96	1/4	896.38	1/4	1,099.81	1/4	1,303.23	1/4	1,506.66	1/4	1,710.08	1/4	1,913.50	1/4	2,116.93	1/4	2,320.35	1/4	2,523.78	1/4	2,600.07	1/4		
1/2	88.69	1/2	290.35	1/2	493.77	1/2	697.20	1/2	900.62	1/2	1,104.05	1/2	1,307.47	1/2	1,510.89	1/2	1,714.32	1/2	1,917.74	1/2	2,121.17	1/2	2,324.59	1/2	2,528.01	1/2	2,600.07	1/2		
3/4	92.84	3/4	294.59	3/4	498.01	3/4	701.44	3/4	904.86	3/4	1,108.28	3/4	1,311.71	3/4	1,515.13	3/4	1,718.56	3/4	1,921.98	3/4	2,125.40	3/4	2,328.83	3/4	2,532.25	3/4	2,600.07	3/4		
6	96.99	6	298.83	6	502.25	6	705.67	6	909.10	6	1,112.52	6	1,315.95	6	1,519.37	6	1,722.79	6	1,926.22	6	2,129.64	6	2,333.07	6	2,536.49	6	2,600.07	6		
1/4	101.14	1/4	303.06	1/4	506.49	1/4	709.91	1/4	913.34	1/4	1,116.76	1/4	1,320.18	1/4	1,523.61	1/4	1,727.03	1/4	1,930.46	1/4	2,133.88	1/4	2,337.30	1/4	2,540.73	1/4	2,600.07	1/4		
1/2	105.29	1/2	307.30	1/2	510.73	1/2	714.15	1/2	917.57	1/2	1,121.00	1/2	1,324.42	1/2	1,527.85	1/2	1,731.27	1/2	1,934.69	1/2	2,138.12	1/2	2,341.54	1/2	2,544.97	1/2	2,600.07	1/2		
3/4	109.44	3/4	311.54	3/4	514.96	3/4	718.39	3/4	921.81	3/4	1,125.24	3/4	1,328.66	3/4	1,532.08	3/4	1,735.51	3/4	1,938.93	3/4	2,142.36	3/4	2,345.78	3/4	2,548.88	3/4	2,600.07	3/4		
7	113.59	7	315.78	7	519.20	7	722.63	7	926.05	7	1,129.47	7	1,332.90	7	1,536.32	7	1,739.75	7	1,943.17	7	2,146.59	7	2,350.02	7	2,552.79	7	2,600.07	7		
1/4	117.74	1/4	320.02	1/4	523.44	1/4	726.86	1/4	930.29	1/4	1,133.71	1/4	1,337.14	1/4	1,540.56	1/4	1,743.98	1/4	1,947.41	1/4	2,150.83	1/4	2,354.26	1/4	2,556.71	1/4	2,600.07	1/4		
1/2	121.89	1/2	324.25	1/2	527.68	1/2	731.10	1/2	934.53	1/2	1,137.95	1/2	1,341.37	1/2	1,544.80	1/2	1,748.22	1/2	1,951.65	1/2	2,155.07	1/2	2,358.49	1/2	2,560.62	1/2	2,600.07	1/2		
3/4	126.04	3/4	328.49	3/4	531.92	3/4	735.34	3/4	938.76	3/4	1,142.19	3/4	1,345.61	3/4	1,549.04	3/4	1,752.46	3/4	1,955.88	3/4	2,159.31	3/4	2,362.73	3/4	2,563.88	3/4	2,600.07	3/4		
8	130.19	8	332.73	8	536.15	8	739.58	8	943.00	8	1,146.43	8	1,349.85	8	1,553.27	8	1,756.70	8	1,960.12	8	2,163.55	8	2,366.97	8	2,567.14	8	2,600.07	8		
1/4	134.34	1/4	336.97	1/4	540.39	1/4	743.82	1/4	947.24	1/4	1,150.66	1/4	1,354.09	1/4	1,557.51	1/4	1,760.94	1/4	1,964.36	1/4	2,167.78	1/4	2,371.21	1/4	2,570.40	1/4	2,600.07	1/4		
1/2	138.49	1/2	341.21	1/2	544.63	1/2	748.05	1/2	951.48	1/2	1,154.90	1/2	1,358.33	1/2	1,561.75	1/2	1,765.17	1/2	1,968.60	1/2	2,172.02	1/2	2,375.45	1/2	2,573.66	1/2	2,600.07	1/2		
3/4	142.64	3/4	345.44	3/4	548.87	3/4	752.29	3/4	955.72	3/4	1,159.14	3/4	1,362.56	3/4	1,565.99	3/4	1,769.41	3/4	1,972.8											



BARGE 'BUFFALO 409' BUFFALO MARINE SERVICE

INNAGE TABLE

4 PORT OR STAR

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

HULL NO. 4672

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	* 6.07	0	191.37	0	388.89	0	586.41	0	783.93	0	981.45	0	1,178.97	0	1,376.49	0	1,574.01	0	1,771.53	0	1,969.05	0	2,166.57	0	2,364.09	0	2,522.99	0	
1/4	7.82	1/4	195.49	1/4	393.01	1/4	590.53	1/4	788.05	1/4	985.57	1/4	1,183.09	1/4	1,380.61	1/4	1,578.13	1/4	1,775.65	1/4	1,973.17	1/4	2,170.69	1/4	2,368.20	1/4	2,523.63	1/4	
1/2	9.58	1/2	199.60	1/2	397.12	1/2	594.64	1/2	792.16	1/2	989.68	1/2	1,187.20	1/2	1,384.72	1/2	1,582.24	1/2	1,779.76	1/2	1,977.28	1/2	2,174.80	1/2	2,372.32	1/2	2,524.26	1/2	
3/4	12.51	3/4	203.72	3/4	401.24	3/4	598.76	3/4	796.28	3/4	993.80	3/4	1,191.32	3/4	1,388.84	3/4	1,586.36	3/4	1,783.88	3/4	1,981.40	3/4	2,178.92	3/4	2,376.43	3/4	2,524.42	3/4	
1	15.44	1	207.83	1	405.35	1	602.87	1	800.39	1	997.91	1	1,195.43	1	1,392.95	1	1,590.47	1	1,787.99	1	1,985.51	1	2,183.03	1	2,380.55	1	2,524.58	1	
1/4	18.37	1/4	211.95	1/4	409.47	1/4	606.99	1/4	804.51	1/4	1,002.03	1/4	1,199.55	1/4	1,397.07	1/4	1,594.59	1/4	1,792.11	1/4	1,989.63	1/4	2,187.15	1/4	2,384.66	1/4	2,524.74	1/4	
1/2	21.30	1/2	216.06	1/2	413.58	1/2	611.10	1/2	808.62	1/2	1,006.14	1/2	1,203.66	1/2	1,401.18	1/2	1,598.70	1/2	1,796.22	1/2	1,993.74	1/2	2,191.26	1/2	2,388.78	1/2	2,524.90	1/2	
3/4	25.11	3/4	220.18	3/4	417.70	3/4	615.22	3/4	812.74	3/4	1,010.26	3/4	1,207.78	3/4	1,405.30	3/4	1,602.82	3/4	1,800.34	3/4	1,997.86	3/4	2,195.38	3/4	2,392.89	3/4	2,525.06	3/4	
2	28.92	2	224.29	2	421.81	2	619.33	2	816.85	2	1,014.37	2	1,211.89	2	1,409.41	2	1,606.93	2	1,804.45	2	2,001.97	2	2,199.49	2	2,397.01	2	2,525.22	2	
1/4	33.03	1/4	228.41	1/4	425.93	1/4	623.45	1/4	820.97	1/4	1,018.49	1/4	1,216.01	1/4	1,413.53	1/4	1,611.05	1/4	1,808.57	1/4	2,006.09	1/4	2,203.61	1/4	2,401.12	1/4	2,525.38	1/4	
1/2	37.14	1/2	232.52	1/2	430.04	1/2	627.56	1/2	825.08	1/2	1,022.60	1/2	1,220.12	1/2	1,417.64	1/2	1,615.16	1/2	1,812.68	1/2	2,010.20	1/2	2,207.72	1/2	2,405.24	1/2	2,525.54	1/2	
3/4	41.24	3/4	236.64	3/4	434.16	3/4	631.68	3/4	829.20	3/4	1,026.72	3/4	1,224.24	3/4	1,421.76	3/4	1,619.28	3/4	1,816.80	3/4	2,014.32	3/4	2,211.84	3/4	2,409.35	3/4	2,525.70	3/4	
3	45.35	3	240.75	3	438.27	3	635.79	3	833.31	3	1,030.83	3	1,228.35	3	1,425.87	3	1,623.39	3	1,820.91	3	2,018.43	3	2,215.95	3	2,413.47	3	2,525.86	3	
1/4	49.45	1/4	244.87	1/4	442.39	1/4	639.91	1/4	837.43	1/4	1,034.95	1/4	1,232.47	1/4	1,429.99	1/4	1,627.51	1/4	1,825.03	1/4	2,022.55	1/4	2,220.07	1/4	2,417.58	1/4	2,526.02	1/4	
1/2	53.56	1/2	248.98	1/2	446.50	1/2	644.02	1/2	841.54	1/2	1,039.06	1/2	1,236.58	1/2	1,434.10	1/2	1,631.62	1/2	1,829.14	1/2	2,026.66	1/2	2,224.18	1/2	2,419.69	1/2	2,526.18	1/2	
3/4	57.67	3/4	253.10	3/4	450.62	3/4	648.14	3/4	845.66	3/4	1,043.18	3/4	1,240.70	3/4	1,438.22	3/4	1,635.74	3/4	1,833.26	3/4	2,030.78	3/4	2,228.29	3/4	2,425.81	3/4	2,526.34	3/4	
4	61.77	4	257.21	4	454.73	4	652.25	4	849.77	4	1,047.29	4	1,244.81	4	1,442.33	4	1,639.85	4	1,837.37	4	2,034.89	4	2,232.41	4	2,429.93	4	2,526.50	4	
1/4	65.88	1/4	261.33	1/4	458.85	1/4	656.37	1/4	853.89	1/4	1,051.41	1/4	1,248.93	1/4	1,446.45	1/4	1,643.97	1/4	1,841.49	1/4	2,039.01	1/4	2,236.52	1/4	2,434.04	1/4	2,526.66	1/4	
1/2	69.98	1/2	265.44	1/2	462.96	1/2	660.48	1/2	858.00	1/2	1,055.52	1/2	1,253.04	1/2	1,450.56	1/2	1,648.08	1/2	1,845.60	1/2	2,043.12	1/2	2,240.64	1/2	2,438.16	1/2	2,526.82	1/2	
3/4	74.01	3/4	269.56	3/4	467.08	3/4	664.60	3/4	862.12	3/4	1,059.64	3/4	1,257.16	3/4	1,454.68	3/4	1,652.20	3/4	1,849.72	3/4	2,047.24	3/4	2,244.75	3/4	2,442.27	3/4	2,526.98	3/4	
5	78.04	5	273.67	5	471.19	5	668.71	5	866.23	5	1,063.75	5	1,261.27	5	1,458.79	5	1,656.31	5	1,853.83	5	2,051.35	5	2,248.87	5	2,446.39	5	2,527.14	5	
1/4	82.07	1/4	277.79	1/4	475.31	1/4	672.83	1/4	870.35	1/4	1,067.87	1/4	1,265.39	1/4	1,462.91	1/4	1,660.43	1/4	1,857.95	1/4	2,055.47	1/4	2,252.98	1/4	2,441.90	1/4	2,527.30	1/4	
1/2	86.10	1/2	281.90	1/2	479.42	1/2	676.94	1/2	874.46	1/2	1,071.98	1/2	1,269.50	1/2	1,467.02	1/2	1,664.54	1/2	1,862.06	1/2	2,059.58	1/2	2,257.10	1/2	2,446.42	1/2	2,527.46	1/2	
3/4	90.13	3/4	286.02	3/4	483.54	3/4	681.06	3/4	878.58	3/4	1,076.10	3/4	1,273.62	3/4	1,471.14	3/4	1,668.66	3/4	1,866.18	3/4	2,063.70	3/4	2,261.21	3/4	2,451.94	3/4	2,527.62	3/4	
6	94.16	6	290.13	6	487.65	6	685.17	6	882.69	6	1,080.21	6	1,277.73	6	1,475.25	6	1,672.77	6	1,870.29	6	2,067.81	6	2,265.33	6	2,462.85	6	2,527.78	6	
1/4	98.19	1/4	294.25	1/4	491.77	1/4	689.29	1/4	886.81	1/4	1,084.33	1/4	1,281.85	1/4	1,479.37	1/4	1,676.89	1/4	1,874.41	1/4	2,071.93	1/4	2,269.44	1/4	2,466.96	1/4	2,527.94	1/4	
1/2	102.22	1/2	298.36	1/2	495.88	1/2	693.40	1/2	890.92	1/2	1,088.44	1/2	1,285.96	1/2	1,483.48	1/2	1,680.00	1/2	1,878.52	1/2	2,077.04	1/2	2,273.56	1/2	2,471.08	1/2	2,528.10	1/2	
3/4	106.25	3/4	302.48	3/4	500.00	3/4	697.52	3/4	895.04	3/4	1,092.56	3/4	1,290.08	3/4	1,487.60	3/4	1,685.12	3/4	1,882.64	3/4	2,080.16	3/4	2,277.67	3/4	2,474.88	3/4	2,528.26	3/4	
7	110.27	7	306.59	7	504.11	7	701.63	7	899.15	7	1,096.67	7	1,294.19	7	1,491.71	7	1,689.23	7	1,886.75	7	2,084.27	7	2,281.79	7	2,478.68	7	2,528.42	7	
1/4	114.30	1/4	310.71	1/4	508.23	1/4	705.75	1/4	903.27	1/4	1,100.79	1/4	1,298.31	1/4	1,495.83	1/4	1,693.35	1/4	1,890.87	1/4	2,089.39	1/4	2,286.90	1/4	2,482.47	1/4	2,528.58	1/4	
1/2	118.33	1/2	314.82	1/2	512.34	1/2	709.86	1/2	907.38	1/2	1,104.90	1/2	1,302.42	1/2	1,499.94	1/2	1,697.46	1/2	1,894.98	1/2	2,092.50	1/2	2,290.02	1/2	2,486.27	1/2	2,528.74	1/2	
3/4	122.36	3/4	318.94	3/4	516.46	3/4	713.98	3/4	911.50	3/4	1,109.02	3/4	1,306.54	3/4	1,504.06	3/4	1,701.58	3/4	1,899.10	3/4	2,096.62	3/4	2,294.13	3/4	2,489.44	3/4	2,528.90	3/4	
8	126.39	8	323.05	8	520.57	8	718.09	8	915.61	8	1,113.13	8	1,310.65	8	1,508.17	8	1,705.69	8	1,903.21	8	2,100.73	8	2,298.25	8	2,492.60	8	2,529.06	8	
1/4	130.42	1/4	327.17	1/4	524.69	1/4	722.21	1/4	919.73	1/4	1,117.25	1/4	1,314.77	1/4	1,512.29	1/4	1,709.81	1/4	1,907.33	1/4	2,104.85	1/4	2,302.36	1/4	2,495.77	1/4	2,529.22	1/4	
1/2	134.45	1/2	331.28	1/2	528.80	1/2	726.32	1/2	923.84	1/2	1,121.36	1/2	1,318.88	1/2	1,516.40	1/2	1,713.92	1/2	1,911.44	1/2	2,108.96	1/2	2,306.48	1/2	2,498.94	1/2	2,529.38	1/2	
3/4	138.48	3/4	335.40	3/4	532.92	3/4	730.44	3/4	927.96	3/4	1,125.48	3/4	1,323.00	3/4	1,520.52	3/4	1,718.04	3/4	1,915.56	3/4	2,113.08	3/4	2,310.59	3/4	2,501.47	3/4	2,529.54	3/4	
9	142.51	9	339.51	9	537.03	9	734.55	9	932.07	9	1,129.59	9	1,327.11																



BARGE 'BUFFALO 409' BUFFALO MARINE SERVICE

INNAGE TABLE

5 PORT OR STAR

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

HULL NO. 4672

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	
0	* 6.06	0	191.06	0	388.29	0	585.52	0	782.75	0	979.99	0	1,177.22	0	1,374.45	0	1,571.68	0	1,768.91	0	1,966.15	0	2,163.38	0	2,360.61	0	2,519.28	0		
1/4	7.81	1/4	195.17	1/4	392.40	1/4	589.63	1/4	786.86	1/4	984.10	1/4	1,181.33	1/4	1,378.56	1/4	1,575.79	1/4	1,773.02	1/4	1,970.25	1/4	2,167.49	1/4	2,364.72	1/4	2,519.91	1/4		
1/2	9.56	1/2	199.28	1/2	396.51	1/2	593.74	1/2	790.97	1/2	988.20	1/2	1,185.44	1/2	1,382.67	1/2	1,579.90	1/2	1,777.13	1/2	1,974.36	1/2	2,171.60	1/2	2,368.83	1/2	2,520.54	1/2		
3/4	12.49	3/4	203.39	3/4	400.62	3/4	597.85	3/4	795.08	3/4	992.31	3/4	1,189.55	3/4	1,386.78	3/4	1,584.01	3/4	1,781.24	3/4	1,978.47	3/4	2,175.70	3/4	2,372.94	3/4	2,520.70	3/4		
1	15.41	1	207.49	1	404.73	1	601.96	1	799.19	1	996.42	1	1,193.65	1	1,390.89	1	1,588.12	1	1,785.35	1	1,982.58	1	2,179.81	1	2,377.05	1	2,520.86	1		
1/4	18.34	1/4	211.60	1/4	408.83	1/4	606.07	1/4	803.30	1/4	1,000.53	1/4	1,197.76	1/4	1,395.00	1/4	1,592.23	1/4	1,789.46	1/4	1,986.69	1/4	2,183.92	1/4	2,381.15	1/4	2,519.91	1/4		
1/2	21.26	1/2	215.71	1/2	412.94	1/2	610.18	1/2	807.41	1/2	1,004.64	1/2	1,201.87	1/2	1,399.10	1/2	1,596.34	1/2	1,793.57	1/2	1,990.80	1/2	2,188.03	1/2	2,385.26	1/2	2,520.54	1/2		
3/4	25.07	3/4	219.82	3/4	417.05	3/4	614.29	3/4	811.52	3/4	1,008.75	3/4	1,205.98	3/4	1,403.21	3/4	1,600.44	3/4	1,797.68	3/4	1,994.91	3/4	2,192.14	3/4	2,389.37	3/4	2,520.70	3/4		
2	28.88	2	223.93	2	421.16	2	618.39	2	815.63	2	1,012.86	2	1,210.09	2	1,407.32	2	1,604.55	2	1,801.79	2	1,999.02	2	2,196.25	2	2,393.48	2	2,519.91	2		
1/4	32.98	1/4	228.04	1/4	425.27	1/4	622.50	1/4	819.74	1/4	1,016.97	1/4	1,214.20	1/4	1,411.43	1/4	1,608.66	1/4	1,805.89	1/4	2,003.13	1/4	2,200.36	1/4	2,397.59	1/4	2,519.91	1/4		
1/2	37.08	1/2	232.15	1/2	429.38	1/2	626.61	1/2	823.84	1/2	1,021.08	1/2	1,218.31	1/2	1,415.54	1/2	1,612.77	1/2	1,810.00	1/2	2,007.24	1/2	2,204.47	1/2	2,401.70	1/2	2,520.54	1/2		
3/4	41.18	3/4	236.26	3/4	433.49	3/4	630.72	3/4	827.95	3/4	1,025.19	3/4	1,222.42	3/4	1,419.65	3/4	1,616.88	3/4	1,814.11	3/4	2,011.34	3/4	2,208.58	3/4	2,405.81	3/4	2,520.70	3/4		
3	45.28	3	240.37	3	437.60	3	634.83	3	832.06	3	1,029.29	3	1,226.53	3	1,423.76	3	1,620.99	3	1,818.22	3	2,015.45	3	2,212.69	3	2,409.92	3	2,519.91	3		
1/4	49.38	1/4	244.48	1/4	441.71	1/4	638.94	1/4	836.17	1/4	1,033.40	1/4	1,230.64	1/4	1,427.87	1/4	1,625.10	1/4	1,822.33	1/4	2,019.56	1/4	2,216.79	1/4	2,414.03	1/4	2,519.91	1/4		
1/2	53.48	1/2	248.58	1/2	445.82	1/2	643.05	1/2	840.28	1/2	1,037.51	1/2	1,234.74	1/2	1,431.98	1/2	1,629.21	1/2	1,826.44	1/2	2,023.67	1/2	2,220.90	1/2	2,418.14	1/2	2,520.54	1/2		
3/4	57.58	3/4	252.69	3/4	449.92	3/4	647.16	3/4	844.39	3/4	1,041.62	3/4	1,238.85	3/4	1,436.09	3/4	1,633.32	3/4	1,830.55	3/4	2,027.78	3/4	2,225.01	3/4	2,422.24	3/4	2,520.70	3/4		
4	61.68	4	256.80	4	454.03	4	651.27	4	848.50	4	1,045.73	4	1,242.96	4	1,440.19	4	1,637.43	4	1,834.66	4	2,031.89	4	2,229.12	4	2,426.35	4	2,519.91	4		
1/4	65.78	1/4	260.91	1/4	458.14	1/4	655.38	1/4	852.61	1/4	1,049.84	1/4	1,247.07	1/4	1,444.30	1/4	1,641.53	1/4	1,838.77	1/4	2,036.00	1/4	2,233.23	1/4	2,430.46	1/4	2,519.91	1/4		
1/2	69.88	1/2	265.02	1/2	462.25	1/2	659.48	1/2	856.72	1/2	1,053.95	1/2	1,251.18	1/2	1,448.41	1/2	1,645.64	1/2	1,842.88	1/2	2,040.11	1/2	2,237.34	1/2	2,434.57	1/2	2,520.54	1/2		
3/4	73.90	3/4	269.13	3/4	466.36	3/4	663.59	3/4	860.83	3/4	1,058.06	3/4	1,255.29	3/4	1,452.52	3/4	1,649.75	3/4	1,846.98	3/4	2,044.22	3/4	2,241.45	3/4	2,438.68	3/4	2,520.70	3/4		
5	77.92	5	273.24	5	470.47	5	667.70	5	864.93	5	1,062.17	5	1,259.40	5	1,456.63	5	1,653.86	5	1,851.09	5	2,048.33	5	2,245.56	5	2,442.79	5	2,519.91	5		
1/4	81.94	1/4	277.35	1/4	474.58	1/4	671.81	1/4	869.04	1/4	1,066.28	1/4	1,263.51	1/4	1,460.74	1/4	1,657.97	1/4	1,855.20	1/4	2,052.43	1/4	2,249.67	1/4	2,446.90	1/4	2,519.91	1/4		
1/2	85.96	1/2	281.46	1/2	478.69	1/2	675.92	1/2	873.15	1/2	1,070.38	1/2	1,267.62	1/2	1,464.85	1/2	1,662.08	1/2	1,859.31	1/2	2,056.54	1/2	2,253.78	1/2	2,451.01	1/2	2,520.54	1/2		
3/4	89.99	3/4	285.57	3/4	482.80	3/4	680.03	3/4	877.26	3/4	1,074.49	3/4	1,271.73	3/4	1,468.96	3/4	1,666.19	3/4	1,863.42	3/4	2,060.65	3/4	2,257.88	3/4	2,455.12	3/4	2,520.70	3/4		
6	94.01	6	289.67	6	486.91	6	684.14	6	881.37	6	1,078.60	6	1,275.83	6	1,473.07	6	1,670.30	6	1,867.53	6	2,064.76	6	2,261.99	6	2,459.23	6	2,519.91	6		
1/4	98.03	1/4	293.78	1/4	491.01	1/4	688.25	1/4	885.48	1/4	1,082.71	1/4	1,279.94	1/4	1,477.18	1/4	1,674.41	1/4	1,871.64	1/4	2,068.87	1/4	2,266.10	1/4	2,463.33	1/4	2,519.91	1/4		
1/2	102.05	1/2	297.89	1/2	495.12	1/2	692.36	1/2	889.59	1/2	1,086.82	1/2	1,284.05	1/2	1,481.28	1/2	1,678.52	1/2	1,875.75	1/2	2,072.98	1/2	2,270.21	1/2	2,467.44	1/2	2,520.54	1/2		
3/4	106.07	3/4	302.00	3/4	499.23	3/4	696.47	3/4	893.70	3/4	1,090.93	3/4	1,288.16	3/4	1,485.39	3/4	1,682.62	3/4	1,879.86	3/4	2,077.09	3/4	2,274.32	3/4	2,471.24	3/4	2,520.70	3/4		
7	110.10	7	306.11	7	503.34	7	700.57	7	897.81	7	1,095.04	7	1,292.27	7	1,489.50	7	1,686.73	7	1,883.97	7	2,081.20	7	2,278.43	7	2,475.03	7	2,519.91	7		
1/4	114.12	1/4	310.22	1/4	507.45	1/4	704.68	1/4	901.92	1/4	1,099.15	1/4	1,296.38	1/4	1,493.61	1/4	1,690.84	1/4	1,888.07	1/4	2,085.31	1/4	2,282.54	1/4	2,478.82	1/4	2,519.91	1/4		
1/2	118.14	1/2	314.33	1/2	511.56	1/2	708.79	1/2	906.02	1/2	1,103.26	1/2	1,300.49	1/2	1,497.72	1/2	1,694.95	1/2	1,892.18	1/2	2,089.42	1/2	2,286.65	1/2	2,482.61	1/2	2,520.54	1/2		
3/4	122.16	3/4	318.44	3/4	515.67	3/4	712.90	3/4	910.13	3/4	1,107.37	3/4	1,304.60	3/4	1,501.83	3/4	1,699.06	3/4	1,896.29	3/4	2,093.52	3/4	2,290.76	3/4	2,485.77	3/4	2,520.70	3/4		
8	126.18	8	322.55	8	519.78	8	717.01	8	914.24	8	1,111.47	8	1,308.71	8	1,505.94	8	1,703.17	8	1,900.40	8	2,097.63	8	2,294.87	8	2,488.93	8	2,519.91	8		
1/4	130.21	1/4	326.66	1/4	523.89	1/4	721.12	1/4	918.35	1/4	1,115.58	1/4	1,312.82	1/4	1,510.05	1/4	1,707.28	1/4	1,904.51	1/4	2,101.74	1/4	2,298.97	1/4	2,492.09	1/4	2,519.91	1/4		
1/2	134.23	1/2	330.76	1/2	528.00	1/2	725.23	1/2	922.46	1/2	1,119.69	1/2	1,316.92	1/2	1,514.16	1/2	1,711.39	1/2	1,908.62	1/2	2,105.85	1/2	2,303.08	1/2	2,495.26	1/2	2,520.54	1/2		
3/4	138.25	3/4	334.87	3/4	532.10	3/4	729.34	3/4	926.57	3/4	1,123.80	3/4	1,321.03	3/4	1,518.26	3/4	1,715.50	3/4	1,912.73	3/4</										



BARGE 'BUFFALO 409' BUFFALO MARINE SERVICE

INNAGE TABLE

6 PORT OR STAR

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

HULL NO. 4672

	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		IN	
0	*	2.68	0	80.44	0	163.14	0	245.85	0	328.55	0	411.25	0	493.96	0	576.66	0	659.37	0	742.07	0	824.77	0	907.48	0	990.18	0	1,056.77	0		
1/4		3.42	1/4	82.16	1/4	164.87	1/4	247.57	1/4	330.27	1/4	412.98	1/4	495.68	1/4	578.39	1/4	661.09	1/4	743.79	1/4	826.50	1/4	909.20	1/4	991.90	1/4	1,057.03	1/4		
1/2		4.16	1/2	83.88	1/2	166.59	1/2	249.29	1/2	332.00	1/2	414.70	1/2	497.40	1/2	580.11	1/2	662.81	1/2	745.52	1/2	828.22	1/2	910.92	1/2	993.63	1/2	1,057.30	1/2		
3/4		5.39	3/4	85.61	3/4	168.31	3/4	251.02	3/4	333.72	3/4	416.42	3/4	499.13	3/4	581.83	3/4	664.53	3/4	747.24	3/4	829.94	3/4	912.65	3/4	995.35	3/4	1,057.37	3/4		
1		6.62	1	87.33	1	170.03	1	252.74	1	335.44	1	418.15	1	500.85	1	583.55	1	666.26	1	748.96	1	831.67	1	914.37	1	997.07	1	1,057.43	1		
1/4		7.85	1/4	89.05	1/4	171.76	1/4	254.46	1/4	337.17	1/4	419.87	1/4	502.57	1/4	585.28	1/4	667.98	1/4	750.68	1/4	833.39	1/4	916.09	1/4	998.80	1/4				
1/2		9.08	1/2	90.78	1/2	173.48	1/2	256.18	1/2	338.89	1/2	421.59	1/2	504.30	1/2	587.00	1/2	669.70	1/2	752.41	1/2	835.11	1/2	917.82	1/2	1,000.52	1/2				
3/4		10.68	3/4	92.50	3/4	175.20	3/4	257.91	3/4	340.61	3/4	423.32	3/4	506.02	3/4	588.72	3/4	671.43	3/4	754.13	3/4	836.83	3/4	919.54	3/4	1,002.24	3/4				
2		12.28	2	94.22	2	176.93	2	259.63	2	342.33	2	425.04	2	507.74	2	590.45	2	673.15	2	755.85	2	838.56	2	921.26	2	1,003.97	2				
1/4		14.00	1/4	95.95	1/4	178.65	1/4	261.35	1/4	344.06	1/4	426.76	1/4	509.47	1/4	592.17	1/4	674.87	1/4	757.58	1/4	840.28	1/4	922.98	1/4	1,005.69	1/4				
1/2		15.72	1/2	97.67	1/2	180.37	1/2	263.08	1/2	345.78	1/2	428.48	1/2	511.19	1/2	593.89	1/2	676.60	1/2	759.30	1/2	842.00	1/2	924.71	1/2	1,007.41	1/2				
3/4		17.45	3/4	99.39	3/4	182.10	3/4	264.80	3/4	347.50	3/4	430.21	3/4	512.91	3/4	595.62	3/4	678.32	3/4	761.02	3/4	843.73	3/4	926.43	3/4	1,009.13	3/4				
3		19.17	3	101.11	3	183.82	3	266.52	3	349.23	3	431.93	3	514.63	3	597.34	3	680.04	3	762.75	3	845.45	3	928.15	3	1,010.86	3				
1/4		20.90	1/4	102.84	1/4	185.54	1/4	268.25	1/4	350.95	1/4	433.65	1/4	516.36	1/4	599.06	1/4	681.76	1/4	764.47	1/4	847.17	1/4	929.88	1/4	1,012.58	1/4				
1/2		22.62	1/2	104.56	1/2	187.26	1/2	269.97	1/2	352.67	1/2	435.38	1/2	518.08	1/2	600.78	1/2	683.49	1/2	766.19	1/2	848.90	1/2	931.60	1/2	1,014.30	1/2				
3/4		24.34	3/4	106.28	3/4	188.99	3/4	271.69	3/4	354.40	3/4	437.10	3/4	519.80	3/4	602.51	3/4	685.21	3/4	767.91	3/4	850.62	3/4	933.32	3/4	1,016.03	3/4				
4		26.07	4	108.01	4	190.71	4	273.41	4	356.12	4	438.82	4	521.53	4	604.23	4	686.93	4	769.64	4	852.34	4	935.05	4	1,017.75	4				
1/4		27.79	1/4	109.73	1/4	192.43	1/4	275.14	1/4	357.84	1/4	440.55	1/4	523.25	1/4	605.95	1/4	688.66	1/4	771.36	1/4	854.06	1/4	936.77	1/4	1,019.47	1/4				
1/2		29.52	1/2	111.45	1/2	194.16	1/2	276.86	1/2	359.56	1/2	442.27	1/2	524.97	1/2	607.68	1/2	690.38	1/2	773.08	1/2	855.79	1/2	938.49	1/2	1,021.20	1/2				
3/4		31.21	3/4	113.18	3/4	195.88	3/4	278.58	3/4	361.29	3/4	443.99	3/4	526.70	3/4	609.40	3/4	692.10	3/4	774.81	3/4	857.51	3/4	940.21	3/4	1,022.92	3/4				
5		32.90	5	114.90	5	197.60	5	280.31	5	363.01	5	445.71	5	528.42	5	611.12	5	693.83	5	776.53	5	859.23	5	941.94	5	1,024.64	5				
1/4		34.59	1/4	116.62	1/4	199.33	1/4	282.03	1/4	364.73	1/4	447.44	1/4	530.14	1/4	612.85	1/4	695.55	1/4	778.25	1/4	860.96	1/4	943.66	1/4	1,026.36	1/4				
1/2		36.28	1/2	118.34	1/2	201.05	1/2	283.75	1/2	366.46	1/2	449.16	1/2	531.86	1/2	614.57	1/2	697.27	1/2	779.98	1/2	862.68	1/2	945.38	1/2	1,028.09	1/2				
3/4		37.97	3/4	120.07	3/4	202.77	3/4	285.48	3/4	368.18	3/4	450.88	3/4	533.59	3/4	616.29	3/4	698.99	3/4	781.70	3/4	864.40	3/4	947.11	3/4	1,029.81	3/4				
6		39.66	6	121.79	6	204.49	6	287.20	6	369.90	6	452.61	6	535.31	6	618.01	6	700.72	6	783.42	6	866.13	6	948.83	6	1,031.53	6				
1/4		41.35	1/4	123.51	1/4	206.22	1/4	288.92	1/4	371.63	1/4	454.33	1/4	537.03	1/4	619.74	1/4	702.44	1/4	785.14	1/4	867.85	1/4	950.55	1/4	1,033.26	1/4				
1/2		43.04	1/2	125.24	1/2	207.94	1/2	290.64	1/2	373.35	1/2	456.05	1/2	538.76	1/2	621.46	1/2	704.16	1/2	786.87	1/2	869.57	1/2	952.28	1/2	1,034.98	1/2				
3/4		44.74	3/4	126.96	3/4	209.66	3/4	292.37	3/4	375.07	3/4	457.78	3/4	540.48	3/4	623.18	3/4	705.89	3/4	788.59	3/4	871.29	3/4	954.00	3/4	1,036.57	3/4				
7		46.43	7	128.68	7	211.39	7	294.09	7	376.79	7	459.50	7	542.20	7	624.91	7	707.61	7	790.31	7	873.02	7	955.72	7	1,038.17	7				
1/4		48.12	1/4	130.41	1/4	213.11	1/4	295.81	1/4	378.52	1/4	461.22	1/4	543.93	1/4	626.63	1/4	709.33	1/4	792.04	1/4	874.74	1/4	957.44	1/4	1,039.76	1/4				
1/2		49.81	1/2	132.13	1/2	214.83	1/2	297.54	1/2	380.24	1/2	462.94	1/2	545.65	1/2	628.35	1/2	711.06	1/2	793.76	1/2	876.46	1/2	959.17	1/2	1,041.36	1/2				
3/4		51.50	3/4	133.85	3/4	216.56	3/4	299.26	3/4	381.96	3/4	464.67	3/4	547.37	3/4	630.08	3/4	712.78	3/4	795.48	3/4	878.19	3/4	960.89	3/4	1,042.68	3/4				
8		53.19	8	135.57	8	218.28	8	300.98	8	383.69	8	466.39	8	549.09	8	631.80	8	714.50	8	797.21	8	879.91	8	962.61	8	1,044.01	8				
1/4		54.88	1/4	137.30	1/4	220.00	1/4	302.71	1/4	385.41	1/4	468.11	1/4	550.82	1/4	633.52	1/4	716.22	1/4	798.93	1/4	881.63	1/4	964.34	1/4	1,045.34	1/4				
1/2		56.57	1/2	139.02	1/2	221.72	1/2	304.43	1/2	387.13	1/2	469.84	1/2	552.54	1/2	635.24	1/2	717.95	1/2	800.65	1/2	883.36	1/2	966.06	1/2	1,046.67	1/2				
3/4		58.26	3/4	140.74	3/4	223.45	3/4	306.15	3/4	388.86	3/4	471.56	3/4	554.26	3/4	636.97	3/4	719.67	3/4	802.37	3/4	885.08	3/4	967.78	3/4	1,047.73	3/4				
9		59.95	9	142.47	9	225.17	9	307.87	9	390.58	9	473.28	9	555.99	9	638.69	9	721.39	9	804.10	9	886.80	9	969.51	9	1,048.80	9				
1/4		61.65	1/4	144.19	1/4	226.89	1/4	309.60	1/4	392.30	1/4	475.01	1/4	557.71	1/4	640.41	1/4	723.12	1/4	8											