

BARGE "BUFFALO 410"

BUFFALO MARINE SERVICE

HULL NO. 4673

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 410' BUFFALO MARINE SERVICE

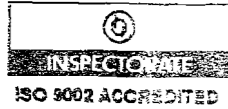
INNAGE TABLE

1 PORT OR STAR

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

HULL NO. 4673

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	5.11	0	192.77	0	391.88	0	590.98	0	790.08	0	989.19	0	1,188.29	0	1,387.40	0	1,586.50	0	1,785.60	0	1,984.71	0	2,183.81	0	2,382.92	0	2,543.06	0	
1/4	7.88	1/4	196.92	1/4	396.02	1/4	595.13	1/4	794.23	1/4	993.34	1/4	1,192.44	1/4	1,391.54	1/4	1,590.65	1/4	1,789.75	1/4	1,988.86	1/4	2,187.96	1/4	2,387.06	1/4	2,543.69	1/4	
1/2	9.64	1/2	201.07	1/2	400.17	1/2	599.28	1/2	798.38	1/2	997.48	1/2	1,196.59	1/2	1,395.69	1/2	1,594.80	1/2	1,793.90	1/2	1,993.00	1/2	2,192.11	1/2	2,391.21	1/2	2,544.33	1/2	
3/4	12.60	3/4	205.22	3/4	404.32	3/4	603.42	3/4	802.53	3/4	1,001.63	3/4	1,200.74	3/4	1,399.84	3/4	1,598.94	3/4	1,798.05	3/4	1,997.15	3/4	2,196.26	3/4	2,395.36	3/4	2,544.99	3/4	
1	15.55	1	209.36	1	408.47	1	607.57	1	806.68	1	1,005.78	1	1,204.88	1	1,403.99	1	1,603.09	1	1,802.20	1	2,001.30	1	2,200.40	1	2,399.51	1	2,544.95	1	
1/4	18.50	1/4	213.51	1/4	412.62	1/4	611.72	1/4	810.82	1/4	1,009.93	1/4	1,209.03	1/4	1,408.14	1/4	1,607.24	1/4	1,806.34	1/4	2,005.45	1/4	2,204.55	1/4	2,403.66	1/4		1/4	
1/2	21.45	1/2	217.66	1/2	416.76	1/2	615.87	1/2	814.97	1/2	1,014.08	1/2	1,213.18	1/2	1,412.28	1/2	1,611.39	1/2	1,810.49	1/2	2,009.60	1/2	2,208.70	1/2	2,407.80	1/2		1/2	
3/4	25.29	3/4	221.81	3/4	420.91	3/4	620.02	3/4	819.12	3/4	1,018.22	3/4	1,217.33	3/4	1,416.43	3/4	1,615.54	3/4	1,814.64	3/4	2,013.74	3/4	2,212.85	3/4	2,411.95	3/4		3/4	
2	29.13	2	225.96	2	425.06	2	624.16	2	823.27	2	1,022.37	2	1,221.48	2	1,420.58	2	1,619.68	2	1,818.79	2	2,017.89	2	2,217.00	2	2,416.10	2		2	
1/4	33.27	1/4	230.10	1/4	429.21	1/4	628.31	1/4	827.42	1/4	1,026.52	1/4	1,225.62	1/4	1,424.73	1/4	1,623.83	1/4	1,822.94	1/4	2,022.04	1/4	2,221.14	1/4	2,420.25	1/4		1/4	
1/2	37.40	1/2	234.25	1/2	433.36	1/2	632.46	1/2	831.56	1/2	1,030.67	1/2	1,229.77	1/2	1,428.88	1/2	1,627.98	1/2	1,827.08	1/2	2,026.19	1/2	2,225.29	1/2	2,424.40	1/2		1/2	
3/4	41.54	3/4	238.40	3/4	437.50	3/4	636.61	3/4	835.71	3/4	1,034.82	3/4	1,233.92	3/4	1,433.02	3/4	1,632.13	3/4	1,831.23	3/4	2,030.34	3/4	2,229.44	3/4	2,428.54	3/4		3/4	
3	45.68	3	242.55	3	441.65	3	640.76	3	839.86	3	1,038.96	3	1,238.07	3	1,437.17	3	1,636.28	3	1,835.38	3	2,034.48	3	2,233.59	3	2,432.69	3		3	
1/4	49.81	1/4	246.70	1/4	445.80	1/4	644.90	1/4	844.01	1/4	1,043.11	1/4	1,242.22	1/4	1,441.32	1/4	1,640.42	1/4	1,839.53	1/4	2,038.63	1/4	2,237.74	1/4	2,436.84	1/4		1/4	
1/2	53.95	1/2	250.84	1/2	449.95	1/2	649.05	1/2	848.16	1/2	1,047.26	1/2	1,246.36	1/2	1,445.47	1/2	1,644.57	1/2	1,843.68	1/2	2,042.78	1/2	2,241.88	1/2	2,440.99	1/2		1/2	
3/4	58.08	3/4	254.99	3/4	454.10	3/4	653.20	3/4	852.30	3/4	1,051.41	3/4	1,250.51	3/4	1,449.62	3/4	1,648.72	3/4	1,847.82	3/4	2,046.93	3/4	2,246.03	3/4	2,445.14	3/4		3/4	
4	62.22	4	259.14	4	458.24	4	657.35	4	856.45	4	1,055.56	4	1,254.66	4	1,453.76	4	1,652.87	4	1,851.97	4	2,051.08	4	2,250.18	4	2,449.28	4		4	
1/4	66.36	1/4	263.29	1/4	462.39	1/4	661.50	1/4	860.60	1/4	1,059.70	1/4	1,258.81	1/4	1,457.91	1/4	1,657.02	1/4	1,856.12	1/4	2,055.22	1/4	2,254.33	1/4	2,453.43	1/4		1/4	
1/2	70.49	1/2	267.44	1/2	466.54	1/2	665.64	1/2	864.75	1/2	1,063.85	1/2	1,262.96	1/2	1,462.06	1/2	1,661.16	1/2	1,860.27	1/2	2,059.37	1/2	2,258.48	1/2	2,457.58	1/2		1/2	
3/4	74.55	3/4	271.58	3/4	470.69	3/4	669.79	3/4	868.90	3/4	1,068.00	3/4	1,267.10	3/4	1,466.21	3/4	1,665.31	3/4	1,864.42	3/4	2,063.52	3/4	2,262.62	3/4	2,461.73	3/4		3/4	
5	78.61	5	275.73	5	474.84	5	673.94	5	873.04	5	1,072.15	5	1,271.25	5	1,470.36	5	1,669.46	5	1,868.56	5	2,067.67	5	2,266.77	5	2,465.88	5		5	
1/4	82.67	1/4	279.88	1/4	478.98	1/4	678.09	1/4	877.19	1/4	1,076.30	1/4	1,275.40	1/4	1,474.50	1/4	1,673.61	1/4	1,872.71	1/4	2,071.82	1/4	2,270.92	1/4	2,470.02	1/4		1/4	
1/2	86.72	1/2	284.03	1/2	483.13	1/2	682.24	1/2	881.34	1/2	1,080.44	1/2	1,279.55	1/2	1,478.65	1/2	1,677.76	1/2	1,876.86	1/2	2,070.96	1/2	2,270.07	1/2	2,470.17	1/2		1/2	
3/4	90.78	3/4	288.18	3/4	487.28	3/4	686.38	3/4	885.49	3/4	1,084.59	3/4	1,283.70	3/4	1,482.80	3/4	1,681.90	3/4	1,881.01	3/4	2,080.11	3/4	2,279.22	3/4	2,478.32	3/4		3/4	
6	94.84	6	292.32	6	491.43	6	690.53	6	889.64	6	1,088.74	6	1,287.84	6	1,486.95	6	1,686.05	6	1,885.16	6	2,084.26	6	2,283.36	6	2,482.47	6		6	
1/4	98.90	1/4	296.47	1/4	495.58	1/4	694.68	1/4	893.78	1/4	1,092.89	1/4	1,291.99	1/4	1,491.10	1/4	1,690.20	1/4	1,889.30	1/4	2,088.41	1/4	2,287.51	1/4	2,486.62	1/4		1/4	
1/2	102.96	1/2	300.62	1/2	499.72	1/2	698.83	1/2	897.93	1/2	1,097.04	1/2	1,296.14	1/2	1,495.24	1/2	1,694.35	1/2	1,893.45	1/2	2,092.56	1/2	2,291.66	1/2	2,490.76	1/2		1/2	
3/4	107.01	3/4	304.77	3/4	503.87	3/4	702.98	3/4	902.08	3/4	1,101.18	3/4	1,300.29	3/4	1,499.39	3/4	1,698.50	3/4	1,897.60	3/4	2,096.70	3/4	2,295.81	3/4	2,494.91	3/4		3/4	
7	111.07	7	308.92	7	508.02	7	707.12	7	906.23	7	1,105.33	7	1,304.44	7	1,503.54	7	1,702.64	7	1,901.75	7	2,100.85	7	2,299.96	7	2,499.06	7		7	
1/4	115.13	1/4	313.06	1/4	512.17	1/4	711.27	1/4	910.38	1/4	1,109.48	1/4	1,308.58	1/4	1,507.69	1/4	1,706.79	1/4	1,905.90	1/4	2,105.00	1/4	2,304.10	1/4	2,503.20	1/4		1/4	
1/2	119.19	1/2	317.21	1/2	516.32	1/2	715.42	1/2	914.52	1/2	1,113.63	1/2	1,312.73	1/2	1,511.84	1/2	1,710.94	1/2	1,910.04	1/2	2,109.15	1/2	2,308.25	1/2	2,507.35	1/2		1/2	
3/4	123.25	3/4	321.36	3/4	520.46	3/4	719.57	3/4	918.67	3/4	1,117.78	3/4	1,316.88	3/4	1,515.98	3/4	1,715.09	3/4	1,914.19	3/4	2,113.30	3/4	2,312.40	3/4	2,509.26	3/4		3/4	
8	127.30	8	325.51	8	524.61	8	723.72	8	922.82	8	1,121.92	8	1,321.03	8	1,520.13	8	1,719.24	8	1,918.34	8	2,117.44	8	2,316.55	8	2,515.65	8		8	
1/4	131.36	1/4	329.66	1/4	528.76	1/4	727.86	1/4	926.97	1/4	1,126.07	1/4	1,325.18	1/4	1,524.28	1/4	1,723.38	1/4	1,922.49	1/4	2,121.59	1/4	2,320.70	1/4	2,519.80	1/4		1/4	
1/2	135.42	1/2	333.80	1/2	532.91	1/2	732.01	1/2	931.12	1/2	1,130.22	1/2	1,329.32	1/2	1,528.43	1/2	1,727.53	1/2	1,926.64	1/2	2,125.74	1/2	2,324.84	1/2	2,518.91	1/2		1/2	
3/4	139.48	3/4	337.95	3/4	537.06	3/4	736.16	3/4	935.26	3/4	1,134.37	3/4	1,333.47	3/4	1,532.58	3/4	1,731.68	3/4	1,930.78	3/4	2,129.89	3/4	2,328.99	3/4	2,521.38	3/4		3/4	
9	143.54	9	342.10	9	541.20	9	740.31	9	939.41	9	1,138.52	9	1,337.62	9	1,536.72	9	1,735.83	9	1,934.93	9	2,134.04	9	2,333.14	9	2,532.93	9		9	
1/4	147.59	1/4	346.25	1/4	545.35	1/4	744.46	1/4	943.56	1/4	1,142.66	1/4	1,341.77	1/4	1,540.87	1/4	1,739.98	1/4	1,939.08	1/4	2,138.18	1/4	2,337.29	1/4	2,532.48	1/4		1/4	
1/2	151.65	1/2	350.40	1/2	549.50	1/2	748.60	1/2	947.71	1/2	1,146.81	1/2	1,345.92	1/2	1,545.02	1/2	1,744.12	1/2	1,943.23	1/2	2,142.33	1/2	2,341.44	1/2	2,532.03	1/2		1/2	
3/4	155.71	3/4	354.54	3/4	553.65	3/4	752.75	3/4	951.86	3/4	1,150.96	3/4	1,350.06	3/4	1,549.17	3/4	1,748.27	3/4	1,947.38	3/4	2,146.48	3/4	2,345.58	3/4	2,533.94	3/4		3/4	
10	159.77	10	358.69	10	557.80	10	756.90	10	956.00	10	1,155.11	10	1,354.21	10	1,553.32	10	1,752.42	10	1,951.52	10	2,150.63	10	2,349.73	10	2,533.85	10		10	
1/4	163.83	1/4																											



BARGE 'BUFFALO 410' BUFFALO MARINE SERVICE

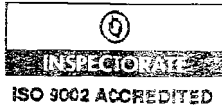
INNAGE TABLE

2 PORT OR STAR

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

HULL NO. 4673

N	0 FT.	N	1 FT.	N	2 FT.	N	3 FT.	N	4 FT.	N	5 FT.	N	6 FT.	N	7 FT.	N	8 FT.	N	9 FT.	N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.
0	5.06	0	191.06	0	389.29	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	7.91	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		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		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		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	
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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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	1,879.88	3/4	2,077.09	3/4	2,274.32	3/4	2,471.24	3/4		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		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		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		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		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		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		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		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	2,109.96	3/4	2,307.19	3/4	2,497.78	3/4		3/4	
9	142.27	9	338.98	9	536.21	9	733.45	9	930.68	9	1,127.91	9	1,325.14	9	1,522.37	9	1,719.61	9	1,916.84	9	2,114.07	9	2,311.30	9	2,500.31	9		9	
1/4	146.29	1/4	343.09	1/4	540.32	1/4	737.56	1/4	934.79	1/4	1,132.02	1/4	1,329.25	1/4	1,526.48	1/4	1,723.71	1/4	1,920.95	1/4	2,118.18	1/4	2,315.41	1/4	2,502.84	1/4		1/4	
1/2	150.32	1/2	347.20	1/2	544.43	1/2	741.66	1/2	938.90	1/2	1,136.13	1/2	1,333.36	1/2	1,530.59	1/2	1,727.82	1/2	1,925.06	1/2	2,122.29	1/2	2,319.52	1/2	2,505.37	1/2		1/2	
3/4	154.34	3/4	351.31	3/4	548.54	3/4	745.77	3/4	943.01	3/4	1,140.24	3/4	1,337.47	3/4	1,534.70	3/4	1,731.93	3/4	1,929.16	3/4	2,126.40	3/4	2,323.63	3/4	2,507.27	3/4		3/4	
10	158.36	10	355.42	10	552.65	10	749.88	10	947.11	10	1,144.35	10	1,341.58	10	1,538.81	10	1,736.04	10	1,933.27	10	2,130.51	10	2,327.74	10	2,509.16	10		10	
1/4	162.38																												



BARGE 'BUFFALO 410"
BUFFALO MARINE SERVICE

INNAGE TABLE

3 PORT OR STAR

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

HULL NO. 4673

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	6.24	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		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		1/2	
3/4	25.96	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	2,260.10	3/4	2,464.44	3/4		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	
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		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		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		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		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		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		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	2,498.35	3/4		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		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		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		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		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		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		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		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		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		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		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		1/2	
3/4	109.44	3/4	311.54	3/4	514.98	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		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		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		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		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		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		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		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		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	1,972.84	3/4	2,176.26	3/4	2,379.68	3/4	2,576.27	3/4		3/4	
9	146.79	9	349.68	9	553.11	9	756.53	9	959.95	9	1,163.38	9	1,366.80	9	1,570.23	9	1,773.65	9	1,977.07	9	2,180.50	9	2,383.92	9	2,578.88	9		9	
1/4	150.94	1/4	353.92	1/4	557.34	1/4	760.77	1/4	964.19	1/4	1,167.62	1/4	1,371.04	1/4	1,574.46	1/4	1,777.89	1/4	1,981.31	1/4	2,184.74	1/4	2,388.16	1/4	2,581.49	1/4		1/4	
1/2	155.09	1/2	358.16	1/2	561.58	1/2	765.01	1/2	968.43	1/2	1,171.85	1/2	1,375.28	1/2	1,578.70	1/2	1,782.13	1/2	1,985.55	1/2	2,188.97	1/2	2,392.40	1/2	2,584.10	1/2		1/2	
3/4	159.24	3/4	362.40	3/4	565.82	3/4	769.24	3/4	972.67	3/4	1,176.09	3/4	1,379.52	3/4	1,582.94	3/4	1,786.36	3/4	1,989.79	3/4	2,193.21	3/4	2,396.64	3/4	2,586.05	3/4		3/4	
10	163.39	10	366.63	10	570.06	10	773.48	10	976.91	10	1,180.33	10	1,383.75	10	1,587.18	10	1,790.60	10	1,994.03	10	2,197.45	10	2,400.87	10	2,588.01	10		10	
1/4	167.54	1/4	370.87	1/4	574.30	1/4																							



BARGE 'BUFFALO 410'
BUFFALO MARINE SERVICE

INNAGE TABLE

4 PORT OR STAR

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

HULL NO. 4673

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	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				
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				
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	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				
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				
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				
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				
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				
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				
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	2,421.70	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				
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				
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				
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				
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				
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				
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	2,450.50	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	2,454.62	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	2,458.73	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				
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				
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	1,681.00	1/2	1,878.52	1/2	2,076.04	1/2	2,273.56	1/2	2,471.08	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				
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				
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	2,088.39	1/4	2,285.90	1/4	2,482.47	1/4				
1/2	118.33	1/2	314.82	1/2	512.34	1/2	709.96	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				
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				
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				
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				
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	1,318.89	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				
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				
9	142.51	9	339.51	9	537.03	9	734.55	9	932.07	9	1,129.59	9	1,327.11	9	1,524.63	9	1,722.15	9	1,919.67											



BARGE 'BUFFALO 410'
BUFFALO MARINE SERVICE

INNAGE TABLE

5 PORT OR STAR

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

HULL NO. 4673

Table with columns for depth (0 FT. to 14 FT.) and corresponding capacity values for various gauge heights (0, 1/4, 1/2, 3/4). The table is organized into 14 vertical sections, one for each depth. Each section contains four rows of data corresponding to the different gauge heights. The capacity values generally increase with depth and decrease with gauge height.

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 9/4/08

* CAPACITY BELOW STRIKE POINT

PORT REFERENCE GAUGE HEIGHT: 15'-2 3/4" (RIM OF 8" DIA. HATCH LOCATED NEAR CENTER OF TANK)

STAR REFERENCE GAUGE HEIGHT: 15'-3 1/4" (RIM OF 8" DIA. HATCH LOCATED NEAR CENTER OF TANK)

WE CERTIFY ALL MEASUREMENTS AND COMPUTATIONS ARE IN ACCORDANCE WITH APPLICABLE API STANDARDS AND ARE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

INSPECTORATE AMERICA CORPORATION



BARGE 'BUFFALO 410'
BUFFALO MARINE SERVICE

INNAGE TABLE

6 PORT OR STAR

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

HULL NO. 4673

N	0 FT.	N	1 FT.	N	2 FT.	N	3 FT.	N	4 FT.	N	5 FT.	N	6 FT.	N	7 FT.	N	8 FT.	N	9 FT.	N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.	
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		1/4		
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		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		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		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		1/4		
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		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		3/4		
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	1,010.85	3		3		
1/4	20.90	1/4	102.84	1/4	185.54	1/4	268.25	1/4	350.95	1/4	433.55	1/4	516.36	1/4	599.06	1/4	681.76	1/4	764.47	1/4	847.17	1/4	929.86	1/4	1,012.56	1/4		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		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	768.51	3/4	850.82	3/4	933.32	3/4	1,016.03	3/4		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	852.94	4	935.05	4	1,017.75	4		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		1/4		
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		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	774.91	3/4	857.51	3/4	940.21	3/4	1,022.92	3/4		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		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		1/4		
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		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		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		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		1/4		
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	952.26	1/2	1,034.98	1/2		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		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		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		1/4		
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		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	712.75	3/4	795.48	3/4	878.19	3/4	960.89	3/4	1,042.68	3/4		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		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		1/4		
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		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		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		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	805.82	1/4	888.52	1/4	971.23	1/4	1,049.86	1/4		1/4		
1/2	63.34	1/2	145.91	1/2	228.62	1/2	311.32	1/2	394.02	1/2	476.73	1/2	559.43	1/2	642.14	1/2	7													