



BARGE "BUFFALO 403"

BUFFALO MARINE SERVICE

HULL NO. 4373

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: 2/19/01

BY:


INSPECTORATE AMERICA CORPORATION



BARGE "BUFFALO 403" BUFFALO MARINE SERVICE

INNAGE TABLE

1 PORT OR STAR

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

HULL NO. 4373

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	7.63	0	196.42	0	395.14	0	593.86	0	792.58	0	991.30	0	1,190.02	0	1,388.74	0	1,587.46	0	1,786.18	0	1,984.90	0	2,183.62	0	2,382.34	0	2,539.71	0	
1/4	9.40	1/4	200.56	1/4	399.28	1/4	598.00	1/4	796.72	1/4	995.44	1/4	1,194.16	1/4	1,392.88	1/4	1,591.60	1/4	1,790.32	1/4	1,989.04	1/4	2,187.76	1/4	2,386.48	1/4	2,539.35	1/4	
1/2	12.34	1/2	204.70	1/2	403.42	1/2	602.14	1/2	800.86	1/2	999.58	1/2	1,198.30	1/2	1,397.02	1/2	1,595.74	1/2	1,794.46	1/2	1,993.18	1/2	2,191.90	1/2	2,390.62	1/2	2,539.51	1/2	
3/4	15.29	3/4	208.84	3/4	407.56	3/4	606.28	3/4	805.00	3/4	1,003.72	3/4	1,202.44	3/4	1,401.16	3/4	1,599.88	3/4	1,798.60	3/4	1,997.32	3/4	2,196.04	3/4	2,394.76	3/4	2,539.67	3/4	
1	18.24	1	212.98	1	411.70	1	610.42	1	809.14	1	1,007.86	1	1,206.58	1	1,405.30	1	1,604.02	1	1,802.74	1	2,001.46	1	2,200.18	1	2,398.90	1		1	
1/4	21.19	1/4	217.12	1/4	415.84	1/4	614.56	1/4	813.28	1/4	1,012.00	1/4	1,210.72	1/4	1,409.44	1/4	1,608.16	1/4	1,806.88	1/4	2,005.60	1/4	2,204.32	1/4	2,403.04	1/4		1/4	
1/2	25.02	1/2	221.26	1/2	419.98	1/2	618.70	1/2	817.42	1/2	1,016.14	1/2	1,214.86	1/2	1,413.58	1/2	1,612.30	1/2	1,811.02	1/2	2,009.74	1/2	2,208.46	1/2	2,407.18	1/2		1/2	
3/4	28.86	3/4	225.40	3/4	424.12	3/4	622.84	3/4	821.56	3/4	1,020.28	3/4	1,219.00	3/4	1,417.72	3/4	1,616.44	3/4	1,815.16	3/4	2,013.88	3/4	2,212.60	3/4	2,411.32	3/4		3/4	
2	32.99	2	229.54	2	428.26	2	626.98	2	825.70	2	1,024.42	2	1,223.14	2	1,421.86	2	1,620.58	2	1,819.30	2	2,018.02	2	2,216.74	2	2,415.46	2		2	
1/4	37.12	1/4	233.68	1/4	432.40	1/4	631.12	1/4	829.84	1/4	1,028.56	1/4	1,227.28	1/4	1,426.00	1/4	1,624.72	1/4	1,823.44	1/4	2,022.16	1/4	2,220.88	1/4	2,419.60	1/4		1/4	
1/2	41.25	1/2	237.82	1/2	436.54	1/2	635.26	1/2	833.98	1/2	1,032.70	1/2	1,231.42	1/2	1,430.14	1/2	1,628.86	1/2	1,827.58	1/2	2,026.30	1/2	2,225.02	1/2	2,423.74	1/2		1/2	
3/4	45.38	3/4	241.96	3/4	440.68	3/4	639.40	3/4	838.12	3/4	1,036.84	3/4	1,235.56	3/4	1,434.28	3/4	1,633.00	3/4	1,831.72	3/4	2,030.44	3/4	2,229.16	3/4	2,427.88	3/4		3/4	
3	49.52	3	246.10	3	444.82	3	643.54	3	842.26	3	1,040.98	3	1,239.70	3	1,438.42	3	1,637.14	3	1,835.86	3	2,034.58	3	2,233.30	3	2,432.02	3		3	
1/4	53.65	1/4	250.24	1/4	448.96	1/4	647.68	1/4	846.40	1/4	1,045.12	1/4	1,243.84	1/4	1,442.56	1/4	1,641.28	1/4	1,840.00	1/4	2,038.72	1/4	2,237.44	1/4	2,436.16	1/4		1/4	
1/2	57.78	1/2	254.38	1/2	453.10	1/2	651.82	1/2	850.54	1/2	1,049.26	1/2	1,247.98	1/2	1,446.70	1/2	1,645.42	1/2	1,844.14	1/2	2,042.86	1/2	2,241.58	1/2	2,440.30	1/2		1/2	
3/4	61.91	3/4	258.52	3/4	457.24	3/4	655.96	3/4	854.68	3/4	1,053.40	3/4	1,252.12	3/4	1,450.84	3/4	1,649.56	3/4	1,848.28	3/4	2,047.00	3/4	2,245.72	3/4	2,444.44	3/4		3/4	
4	66.04	4	262.66	4	461.38	4	660.10	4	858.82	4	1,057.54	4	1,256.26	4	1,454.98	4	1,653.70	4	1,852.42	4	2,051.14	4	2,249.86	4	2,448.58	4		4	
1/4	70.17	1/4	266.80	1/4	465.52	1/4	664.24	1/4	862.96	1/4	1,061.68	1/4	1,260.40	1/4	1,459.12	1/4	1,657.84	1/4	1,856.56	1/4	2,055.28	1/4	2,254.00	1/4	2,452.72	1/4		1/4	
1/2	74.22	1/2	270.94	1/2	469.66	1/2	668.38	1/2	867.10	1/2	1,065.82	1/2	1,264.54	1/2	1,463.26	1/2	1,661.98	1/2	1,860.70	1/2	2,059.42	1/2	2,258.14	1/2	2,456.86	1/2		1/2	
3/4	78.28	3/4	275.08	3/4	473.80	3/4	672.52	3/4	871.24	3/4	1,069.96	3/4	1,268.68	3/4	1,467.40	3/4	1,666.12	3/4	1,864.84	3/4	2,063.56	3/4	2,262.28	3/4	2,461.00	3/4		3/4	
5	82.33	5	279.22	5	477.94	5	676.66	5	875.38	5	1,074.10	5	1,272.82	5	1,471.54	5	1,670.26	5	1,868.98	5	2,067.70	5	2,266.42	5	2,465.14	5		5	
1/4	86.38	1/4	283.36	1/4	482.08	1/4	680.80	1/4	879.52	1/4	1,078.24	1/4	1,276.96	1/4	1,475.68	1/4	1,674.40	1/4	1,873.12	1/4	2,071.84	1/4	2,270.56	1/4	2,469.28	1/4		1/4	
1/2	90.44	1/2	287.50	1/2	486.22	1/2	684.94	1/2	883.66	1/2	1,082.38	1/2	1,281.10	1/2	1,479.82	1/2	1,678.54	1/2	1,877.26	1/2	2,075.98	1/2	2,274.70	1/2	2,473.42	1/2		1/2	
3/4	94.49	3/4	291.64	3/4	490.36	3/4	689.08	3/4	887.80	3/4	1,086.52	3/4	1,285.24	3/4	1,483.96	3/4	1,682.68	3/4	1,881.40	3/4	2,080.12	3/4	2,278.84	3/4	2,477.56	3/4		3/4	
6	98.54	6	295.78	6	494.50	6	693.22	6	891.94	6	1,090.66	6	1,289.38	6	1,488.10	6	1,686.82	6	1,885.54	6	2,084.26	6	2,282.98	6	2,481.70	6		6	
1/4	102.59	1/4	299.92	1/4	498.64	1/4	697.36	1/4	896.08	1/4	1,094.80	1/4	1,293.52	1/4	1,492.24	1/4	1,690.96	1/4	1,889.68	1/4	2,088.40	1/4	2,287.12	1/4	2,485.84	1/4		1/4	
1/2	106.65	1/2	304.06	1/2	502.78	1/2	701.50	1/2	900.22	1/2	1,098.94	1/2	1,297.66	1/2	1,496.38	1/2	1,695.10	1/2	1,893.82	1/2	2,092.54	1/2	2,291.26	1/2	2,489.66	1/2		1/2	
3/4	110.70	3/4	308.20	3/4	506.92	3/4	705.64	3/4	904.36	3/4	1,103.08	3/4	1,301.80	3/4	1,500.52	3/4	1,699.24	3/4	1,897.96	3/4	2,096.68	3/4	2,295.40	3/4	2,493.49	3/4		3/4	
7	114.75	7	312.34	7	511.06	7	709.78	7	908.50	7	1,107.22	7	1,305.94	7	1,504.66	7	1,703.38	7	1,902.10	7	2,100.82	7	2,299.54	7	2,497.31	7		7	
1/4	118.81	1/4	316.48	1/4	515.20	1/4	713.92	1/4	912.64	1/4	1,111.36	1/4	1,310.08	1/4	1,508.80	1/4	1,707.52	1/4	1,906.24	1/4	2,104.96	1/4	2,303.68	1/4	2,501.13	1/4		1/4	
1/2	122.86	1/2	320.62	1/2	519.34	1/2	718.06	1/2	916.78	1/2	1,115.50	1/2	1,314.22	1/2	1,512.94	1/2	1,711.66	1/2	1,910.38	1/2	2,109.10	1/2	2,307.82	1/2	2,504.32	1/2		1/2	
3/4	126.91	3/4	324.76	3/4	523.48	3/4	722.20	3/4	920.92	3/4	1,119.64	3/4	1,318.36	3/4	1,517.08	3/4	1,715.80	3/4	1,914.52	3/4	2,113.24	3/4	2,311.96	3/4	2,507.50	3/4		3/4	
8	130.97	8	328.90	8	527.62	8	726.34	8	925.06	8	1,123.78	8	1,322.50	8	1,521.22	8	1,719.94	8	1,918.66	8	2,117.38	8	2,316.10	8	2,510.69	8		8	
1/4	135.02	1/4	333.04	1/4	531.76	1/4	730.48	1/4	929.20	1/4	1,127.92	1/4	1,326.64	1/4	1,525.36	1/4	1,724.08	1/4	1,922.80	1/4	2,121.52	1/4	2,320.24	1/4	2,513.87	1/4		1/4	
1/2	139.07	1/2	337.18	1/2	535.90	1/2	734.62	1/2	933.34	1/2	1,132.06	1/2	1,330.78	1/2	1,529.50	1/2	1,728.22	1/2	1,926.94	1/2	2,125.66	1/2	2,324.38	1/2	2,516.42	1/2		1/2	
3/4	143.12	3/4	341.32	3/4	540.04	3/4	738.76	3/4	937.48	3/4	1,136.20	3/4	1,334.92	3/4	1,533.64	3/4	1,732.36	3/4	1,931.08	3/4	2,129.80	3/4	2,328.52	3/4	2,518.97	3/4		3/4	
9	147.18	9	345.46	9	544.18	9	742.90	9	941.62	9	1,140.34	9	1,339.06	9	1,537.78	9	1,736.50	9	1,935.22	9	2,133.94	9	2,332.66	9	2,521.51	9		9	
1/4	151.23	1/4	349.60	1/4	548.32	1/4	747.04	1/4	945.76	1/4	1,144.48	1/4	1,343.20	1/4	1,541.92	1/4	1,740.64	1/4	1,939.36	1/4	2,138.08	1/4	2,336.80	1/4	2,524.06	1/4		1/4	
1/2	155.28	1/2	353.74	1/2	552.46	1/2	751.18	1/2	949.90	1/2	1,148.62	1/2	1,347.34	1/2	1,546.06	1/2	1,744.78	1/2	1,943.50	1/2	2,142.22	1/2	2,340.94	1/2	2,525.97	1/2		1/2	
3/4	159.34	3/4	357.88	3/4	556.60	3/4	755.32	3/4	954.04	3/4	1,152.76	3/4	1,351.48	3/4	1,550.20	3/4	1,748.92	3/4	1,947.64	3/4	2,146.36	3/4	2,345.08	3/4	2,527.88	3/4		3/4	
10	163.39	10	362.02	10	560.74	10	759.46	10	958.18	10	1,156.90	10	1,355.62	10	1,554.34	10	1,753.06	10	1,951.78	10	2,150.50	10	2,349.22	10	2,529.80	10		10	
1/4	167.44	1/4	366.16	1/4	564.88	1/4	763.60	1/4	962.32	1/4	1,161.04	1/4	1,359.76	1/4	1,558.48	1/4	1,757.20	1/4	1,95										



BARGE "BUFFALO 403" BUFFALO MARINE SERVICE

INNAGE TABLE

2 PORT OR STAR

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

HULL NO. 4373

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	9.32	0	198.94	0	396.08	0	593.21	0	790.35	0	987.48	0	1,184.62	0	1,381.76	0	1,578.89	0	1,776.03	0	1,973.16	0	2,170.30	0	2,367.44	0	2,519.08	0	
1/4	12.24	1/4	203.05	1/4	400.18	1/4	597.32	1/4	794.46	1/4	991.59	1/4	1,188.73	1/4	1,385.86	1/4	1,583.00	1/4	1,780.14	1/4	1,977.27	1/4	2,174.41	1/4	2,371.54	1/4	2,519.24	1/4	
1/2	15.17	1/2	207.15	1/2	404.29	1/2	601.43	1/2	798.56	1/2	995.70	1/2	1,192.83	1/2	1,389.97	1/2	1,587.11	1/2	1,784.24	1/2	1,981.38	1/2	2,178.51	1/2	2,375.65	1/2	2,519.40	1/2	
3/4	18.09	3/4	211.26	3/4	408.40	3/4	605.53	3/4	802.67	3/4	999.81	3/4	1,196.94	3/4	1,394.08	3/4	1,591.21	3/4	1,788.35	3/4	1,985.49	3/4	2,182.62	3/4	2,379.76	3/4		3/4	
1	21.02	1	215.37	1	412.50	1	609.64	1	806.78	1	1,003.91	1	1,201.05	1	1,398.18	1	1,595.32	1	1,792.46	1	1,989.59	1	2,186.73	1	2,383.86	1		1	
1/4	24.82	1/4	219.48	1/4	416.61	1/4	613.75	1/4	810.88	1/4	1,008.02	1/4	1,205.16	1/4	1,402.29	1/4	1,599.43	1/4	1,796.56	1/4	1,993.70	1/4	2,190.84	1/4	2,387.97	1/4		1/4	
1/2	28.62	1/2	223.58	1/2	420.72	1/2	617.85	1/2	814.99	1/2	1,012.13	1/2	1,209.26	1/2	1,406.40	1/2	1,603.53	1/2	1,800.67	1/2	1,997.81	1/2	2,194.94	1/2	2,392.08	1/2		1/2	
3/4	32.72	3/4	227.69	3/4	424.83	3/4	621.96	3/4	819.10	3/4	1,016.23	3/4	1,213.37	3/4	1,410.51	3/4	1,607.64	3/4	1,804.78	3/4	2,001.91	3/4	2,199.05	3/4	2,396.19	3/4		3/4	
2	36.82	2	231.80	2	428.93	2	626.07	2	823.20	2	1,020.34	2	1,217.48	2	1,414.61	2	1,611.75	2	1,808.88	2	2,006.02	2	2,203.16	2	2,400.29	2		2	
1/4	40.92	1/4	235.90	1/4	433.04	1/4	630.18	1/4	827.31	1/4	1,024.45	1/4	1,221.58	1/4	1,418.72	1/4	1,615.86	1/4	1,812.99	1/4	2,010.13	1/4	2,207.26	1/4	2,404.40	1/4		1/4	
1/2	45.02	1/2	240.01	1/2	437.15	1/2	634.28	1/2	831.42	1/2	1,028.55	1/2	1,225.69	1/2	1,422.83	1/2	1,619.96	1/2	1,817.10	1/2	2,014.23	1/2	2,211.37	1/2	2,408.51	1/2		1/2	
3/4	49.11	3/4	244.12	3/4	441.25	3/4	638.39	3/4	835.53	3/4	1,032.66	3/4	1,229.80	3/4	1,426.93	3/4	1,624.07	3/4	1,821.21	3/4	2,018.34	3/4	2,215.48	3/4	2,412.61	3/4		3/4	
3	53.21	3	248.22	3	445.36	3	642.50	3	839.63	3	1,036.77	3	1,233.90	3	1,431.04	3	1,628.18	3	1,825.31	3	2,022.45	3	2,219.58	3	2,416.72	3		3	
1/4	57.31	1/4	252.33	1/4	449.47	1/4	646.60	1/4	843.74	1/4	1,040.88	1/4	1,238.01	1/4	1,435.15	1/4	1,632.28	1/4	1,829.42	1/4	2,026.56	1/4	2,223.69	1/4	2,420.83	1/4		1/4	
1/2	61.41	1/2	256.44	1/2	453.57	1/2	650.71	1/2	847.85	1/2	1,044.98	1/2	1,242.12	1/2	1,439.25	1/2	1,636.39	1/2	1,833.53	1/2	2,030.66	1/2	2,227.80	1/2	2,424.93	1/2		1/2	
3/4	65.51	3/4	260.55	3/4	457.68	3/4	654.82	3/4	851.95	3/4	1,049.09	3/4	1,246.23	3/4	1,443.36	3/4	1,640.50	3/4	1,837.63	3/4	2,034.77	3/4	2,231.91	3/4	2,429.04	3/4		3/4	
4	69.60	4	264.65	4	461.79	4	658.92	4	856.06	4	1,053.20	4	1,250.33	4	1,447.47	4	1,644.60	4	1,841.74	4	2,038.88	4	2,236.01	4	2,433.15	4		4	
1/4	73.62	1/4	268.76	1/4	465.90	1/4	663.03	1/4	860.17	1/4	1,057.30	1/4	1,254.44	1/4	1,451.58	1/4	1,648.71	1/4	1,845.85	1/4	2,042.98	1/4	2,240.12	1/4	2,437.26	1/4		1/4	
1/2	77.64	1/2	272.87	1/2	470.00	1/2	667.14	1/2	864.27	1/2	1,061.41	1/2	1,258.55	1/2	1,455.68	1/2	1,652.82	1/2	1,849.95	1/2	2,047.09	1/2	2,244.23	1/2	2,441.36	1/2		1/2	
3/4	81.66	3/4	276.97	3/4	474.11	3/4	671.25	3/4	868.38	3/4	1,065.52	3/4	1,262.65	3/4	1,459.79	3/4	1,656.93	3/4	1,854.06	3/4	2,051.20	3/4	2,248.33	3/4	2,445.47	3/4		3/4	
5	85.68	5	281.08	5	478.22	5	675.35	5	872.49	5	1,069.62	5	1,266.76	5	1,463.90	5	1,661.03	5	1,858.17	5	2,055.30	5	2,252.44	5	2,449.58	5		5	
1/4	89.70	1/4	285.19	1/4	482.32	1/4	679.46	1/4	876.60	1/4	1,073.73	1/4	1,270.87	1/4	1,468.00	1/4	1,665.14	1/4	1,862.28	1/4	2,059.41	1/4	2,256.55	1/4	2,453.68	1/4		1/4	
1/2	93.72	1/2	289.29	1/2	486.43	1/2	683.57	1/2	880.70	1/2	1,077.84	1/2	1,274.97	1/2	1,472.11	1/2	1,669.25	1/2	1,866.38	1/2	2,063.52	1/2	2,260.65	1/2	2,457.79	1/2		1/2	
3/4	97.74	3/4	293.40	3/4	490.54	3/4	687.67	3/4	884.81	3/4	1,081.95	3/4	1,279.08	3/4	1,476.22	3/4	1,673.35	3/4	1,870.49	3/4	2,067.63	3/4	2,264.76	3/4	2,461.90	3/4		3/4	
6	101.76	6	297.51	6	494.64	6	691.78	6	888.92	6	1,086.05	6	1,283.19	6	1,480.32	6	1,677.46	6	1,874.60	6	2,071.73	6	2,268.87	6	2,466.00	6		6	
1/4	105.78	1/4	301.62	1/4	498.75	1/4	695.89	1/4	893.02	1/4	1,090.16	1/4	1,287.30	1/4	1,484.43	1/4	1,681.57	1/4	1,878.70	1/4	2,075.84	1/4	2,272.98	1/4	2,469.80	1/4		1/4	
1/2	109.80	1/2	305.72	1/2	502.86	1/2	699.99	1/2	897.13	1/2	1,094.27	1/2	1,291.40	1/2	1,488.54	1/2	1,685.67	1/2	1,882.81	1/2	2,079.95	1/2	2,277.08	1/2	2,473.59	1/2		1/2	
3/4	113.82	3/4	309.83	3/4	506.97	3/4	704.10	3/4	901.24	3/4	1,098.37	3/4	1,295.51	3/4	1,492.65	3/4	1,689.78	3/4	1,886.92	3/4	2,084.05	3/4	2,281.19	3/4	2,477.38	3/4		3/4	
7	117.84	7	313.94	7	511.07	7	708.21	7	905.34	7	1,102.48	7	1,299.62	7	1,496.75	7	1,693.89	7	1,891.02	7	2,088.16	7	2,285.30	7	2,481.17	7		7	
1/4	121.86	1/4	318.04	1/4	515.18	1/4	712.32	1/4	909.45	1/4	1,106.59	1/4	1,303.72	1/4	1,500.86	1/4	1,698.00	1/4	1,895.13	1/4	2,092.27	1/4	2,289.40	1/4	2,484.33	1/4		1/4	
1/2	125.88	1/2	322.15	1/2	519.29	1/2	716.42	1/2	913.56	1/2	1,110.69	1/2	1,307.83	1/2	1,504.97	1/2	1,702.10	1/2	1,899.24	1/2	2,096.37	1/2	2,293.51	1/2	2,487.49	1/2		1/2	
3/4	129.90	3/4	326.26	3/4	523.39	3/4	720.53	3/4	917.67	3/4	1,114.80	3/4	1,311.94	3/4	1,509.07	3/4	1,706.21	3/4	1,903.35	3/4	2,100.48	3/4	2,297.62	3/4	2,490.65	3/4		3/4	
8	133.92	8	330.36	8	527.50	8	724.64	8	921.77	8	1,118.91	8	1,316.04	8	1,513.18	8	1,710.32	8	1,907.45	8	2,104.59	8	2,301.72	8	2,493.80	8		8	
1/4	137.94	1/4	334.47	1/4	531.61	1/4	728.74	1/4	925.88	1/4	1,123.02	1/4	1,320.15	1/4	1,517.29	1/4	1,714.42	1/4	1,911.56	1/4	2,108.70	1/4	2,305.83	1/4	2,496.33	1/4		1/4	
1/2	141.96	1/2	338.58	1/2	535.71	1/2	732.85	1/2	929.99	1/2	1,127.12	1/2	1,324.26	1/2	1,521.39	1/2	1,718.53	1/2	1,915.67	1/2	2,112.80	1/2	2,309.94	1/2	2,498.86	1/2		1/2	
3/4	145.98	3/4	342.69	3/4	539.82	3/4	736.96	3/4	934.09	3/4	1,131.23	3/4	1,328.37	3/4	1,525.50	3/4	1,722.64	3/4	1,919.77	3/4	2,116.91	3/4	2,314.05	3/4	2,501.39	3/4		3/4	
9	150.00	9	346.79	9	543.93	9	741.06	9	938.20	9	1,135.34	9	1,332.47	9	1,529.61	9	1,726.74	9	1,923.88	9	2,121.02	9	2,318.15	9	2,503.92	9		9	
1/4	154.02	1/4	350.90	1/4	548.04	1/4	745.17	1/4	942.31	1/4	1,139.44	1/4	1,336.58	1/4	1,533.72	1/4	1,730.85	1/4	1,927.99	1/4	2,125.12	1/4	2,322.26	1/4	2,505.81	1/4		1/4	
1/2	158.04	1/2	355.01	1/2	552.14	1/2	749.28	1/2	946.41	1/2	1,143.55	1/2	1,340.69	1/2	1,537.82	1/2	1,734.96	1/2	1,932.09	1/2	2,129.23	1/2	2,326.37	1/2	2,507.71	1/2		1/2	
3/4	162.06	3/4	359.11	3/4	556.25	3/4	753.39	3/4	950.52	3/4	1,147.66	3/4	1,344.79	3/4	1,541.93	3/4	1,739.07	3/4	1,936.20	3/4	2,133.34	3/4	2,330.47	3/4	2,509.60	3/4		3/4	
10	166.08	10	363.22	10	560.36	10	757.49	10	954.63	10	1,151.76	10	1,348.90	10	1,546.04	10	1,743.17	10	1,940.31	10	2,137.44	10	2,334.58	10	2,511.50	10		10	
1/4	170.19	1/4	367.33	1/4	564.46	1/4	761.60	1/4	958.74	1/4	1,155.87	1/4	1,353.																



BARGE "BUFFALO 403" BUFFALO MARINE SERVICE

INNAGE TABLE

3 PORT OR STAR

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

HULL NO. 4373

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	9.62	0	205.32	0	408.80	0	612.27	0	815.74	0	1,019.21	0	1,222.68	0	1,426.16	0	1,629.63	0	1,833.10	0	2,036.57	0	2,240.04	0	2,443.52	0	2,600.02	0	
1/4	12.64	1/4	209.56	1/4	413.04	1/4	616.51	1/4	819.98	1/4	1,023.45	1/4	1,226.92	1/4	1,430.40	1/4	1,633.87	1/4	1,837.34	1/4	2,040.81	1/4	2,244.28	1/4	2,447.76	1/4	2,600.19	1/4	
1/2	15.66	1/2	213.80	1/2	417.27	1/2	620.75	1/2	824.22	1/2	1,027.69	1/2	1,231.16	1/2	1,434.63	1/2	1,638.11	1/2	1,841.58	1/2	2,045.05	1/2	2,248.52	1/2	2,451.99	1/2	2,600.35	1/2	
3/4	18.67	3/4	218.04	3/4	421.51	3/4	624.99	3/4	828.46	3/4	1,031.93	3/4	1,235.40	3/4	1,438.87	3/4	1,642.35	3/4	1,845.82	3/4	2,049.29	3/4	2,252.76	3/4	2,456.23	3/4		3/4	
1	21.69	1	222.28	1	425.75	1	629.22	1	832.70	1	1,036.17	1	1,239.64	1	1,443.11	1	1,646.58	1	1,850.06	1	2,053.53	1	2,257.00	1	2,460.47	1		1	
1/4	25.62	1/4	226.52	1/4	429.99	1/4	633.46	1/4	836.94	1/4	1,040.41	1/4	1,243.88	1/4	1,447.35	1/4	1,650.82	1/4	1,854.30	1/4	2,057.77	1/4	2,261.24	1/4	2,464.71	1/4		1/4	
1/2	29.55	1/2	230.76	1/2	434.23	1/2	637.70	1/2	841.17	1/2	1,044.65	1/2	1,248.12	1/2	1,451.59	1/2	1,655.06	1/2	1,858.53	1/2	2,062.01	1/2	2,265.48	1/2	2,468.95	1/2		1/2	
3/4	33.78	3/4	235.00	3/4	438.47	3/4	641.94	3/4	845.41	3/4	1,048.89	3/4	1,252.36	3/4	1,455.83	3/4	1,659.30	3/4	1,862.77	3/4	2,066.25	3/4	2,269.72	3/4	2,473.19	3/4		3/4	
2	38.00	2	239.24	2	442.71	2	646.18	2	849.65	2	1,053.12	2	1,256.60	2	1,460.07	2	1,663.54	2	1,867.01	2	2,070.48	2	2,273.96	2	2,477.43	2		2	
1/4	42.23	1/4	243.48	1/4	446.95	1/4	650.42	1/4	853.89	1/4	1,057.36	1/4	1,260.84	1/4	1,464.31	1/4	1,667.78	1/4	1,871.25	1/4	2,074.72	1/4	2,278.20	1/4	2,481.67	1/4		1/4	
1/2	46.46	1/2	247.71	1/2	451.19	1/2	654.66	1/2	858.13	1/2	1,061.60	1/2	1,265.07	1/2	1,468.55	1/2	1,672.02	1/2	1,875.49	1/2	2,078.96	1/2	2,282.43	1/2	2,485.91	1/2		1/2	
3/4	50.69	3/4	251.95	3/4	455.43	3/4	658.90	3/4	862.37	3/4	1,065.84	3/4	1,269.31	3/4	1,472.79	3/4	1,676.26	3/4	1,879.73	3/4	2,083.20	3/4	2,286.67	3/4	2,490.15	3/4		3/4	
3	54.92	3	256.19	3	459.66	3	663.14	3	866.61	3	1,070.08	3	1,273.55	3	1,477.02	3	1,680.50	3	1,883.97	3	2,087.44	3	2,290.91	3	2,494.38	3		3	
1/4	59.15	1/4	260.43	1/4	463.90	1/4	667.38	1/4	870.85	1/4	1,074.32	1/4	1,277.79	1/4	1,481.26	1/4	1,684.74	1/4	1,888.21	1/4	2,091.68	1/4	2,295.15	1/4	2,498.62	1/4		1/4	
1/2	63.38	1/2	264.67	1/2	468.14	1/2	671.61	1/2	875.09	1/2	1,078.56	1/2	1,282.03	1/2	1,485.50	1/2	1,688.97	1/2	1,892.45	1/2	2,095.92	1/2	2,299.39	1/2	2,502.86	1/2		1/2	
3/4	67.61	3/4	268.91	3/4	472.38	3/4	675.85	3/4	879.33	3/4	1,082.80	3/4	1,286.27	3/4	1,489.74	3/4	1,693.21	3/4	1,896.69	3/4	2,100.16	3/4	2,303.63	3/4	2,507.10	3/4		3/4	
4	71.84	4	273.15	4	476.62	4	680.09	4	883.56	4	1,087.04	4	1,290.51	4	1,493.98	4	1,697.45	4	1,900.92	4	2,104.40	4	2,307.87	4	2,511.34	4		4	
1/4	75.99	1/4	277.39	1/4	480.86	1/4	684.33	1/4	887.60	1/4	1,091.28	1/4	1,294.75	1/4	1,498.22	1/4	1,701.69	1/4	1,905.16	1/4	2,108.64	1/4	2,312.11	1/4	2,515.58	1/4		1/4	
1/2	80.13	1/2	281.63	1/2	485.10	1/2	688.57	1/2	892.04	1/2	1,095.51	1/2	1,298.99	1/2	1,502.46	1/2	1,705.93	1/2	1,909.40	1/2	2,112.87	1/2	2,316.35	1/2	2,519.82	1/2		1/2	
3/4	84.28	3/4	285.87	3/4	489.34	3/4	692.81	3/4	896.28	3/4	1,099.75	3/4	1,303.23	3/4	1,506.70	3/4	1,710.17	3/4	1,913.64	3/4	2,117.11	3/4	2,320.59	3/4	2,524.06	3/4		3/4	
5	88.43	5	290.10	5	493.58	5	697.05	5	900.52	5	1,103.99	5	1,307.46	5	1,510.94	5	1,714.41	5	1,917.88	5	2,121.35	5	2,324.82	5	2,528.30	5		5	
1/4	92.58	1/4	294.34	1/4	497.82	1/4	701.29	1/4	904.76	1/4	1,108.23	1/4	1,311.70	1/4	1,515.18	1/4	1,718.65	1/4	1,922.12	1/4	2,125.59	1/4	2,329.06	1/4	2,532.54	1/4		1/4	
1/2	96.73	1/2	298.58	1/2	502.05	1/2	705.53	1/2	909.00	1/2	1,112.47	1/2	1,315.94	1/2	1,519.41	1/2	1,722.89	1/2	1,927.36	1/2	2,129.83	1/2	2,333.30	1/2	2,536.77	1/2		1/2	
3/4	100.88	3/4	302.82	3/4	506.29	3/4	709.77	3/4	913.24	3/4	1,116.71	3/4	1,320.18	3/4	1,523.65	3/4	1,727.13	3/4	1,930.60	3/4	2,134.07	3/4	2,337.54	3/4	2,541.01	3/4		3/4	
6	105.03	6	307.06	6	510.53	6	714.00	6	917.48	6	1,120.95	6	1,324.42	6	1,527.89	6	1,731.36	6	1,934.84	6	2,138.31	6	2,341.78	6	2,545.25	6		6	
1/4	109.18	1/4	311.30	1/4	514.77	1/4	718.24	1/4	921.72	1/4	1,125.19	1/4	1,328.66	1/4	1,532.13	1/4	1,735.60	1/4	1,939.08	1/4	2,142.55	1/4	2,346.02	1/4	2,549.17	1/4		1/4	
1/2	113.33	1/2	315.54	1/2	519.01	1/2	722.48	1/2	925.95	1/2	1,129.43	1/2	1,332.90	1/2	1,536.37	1/2	1,739.84	1/2	1,943.31	1/2	2,146.79	1/2	2,350.26	1/2	2,553.08	1/2		1/2	
3/4	117.48	3/4	319.78	3/4	523.25	3/4	726.72	3/4	930.19	3/4	1,133.67	3/4	1,337.14	3/4	1,540.61	3/4	1,744.08	3/4	1,947.55	3/4	2,151.03	3/4	2,354.50	3/4	2,556.99	3/4		3/4	
7	121.62	7	324.02	7	527.49	7	730.96	7	934.43	7	1,137.90	7	1,341.38	7	1,544.85	7	1,748.32	7	1,951.79	7	2,155.26	7	2,358.74	7	2,560.90	7		7	
1/4	125.77	1/4	328.26	1/4	531.73	1/4	735.20	1/4	938.67	1/4	1,142.14	1/4	1,345.62	1/4	1,549.09	1/4	1,752.56	1/4	1,956.03	1/4	2,159.50	1/4	2,362.98	1/4	2,564.16	1/4		1/4	
1/2	129.92	1/2	332.49	1/2	535.97	1/2	739.44	1/2	942.91	1/2	1,146.38	1/2	1,349.85	1/2	1,553.33	1/2	1,756.80	1/2	1,960.27	1/2	2,163.74	1/2	2,367.21	1/2	2,567.42	1/2		1/2	
3/4	134.07	3/4	336.73	3/4	540.21	3/4	743.68	3/4	947.15	3/4	1,150.62	3/4	1,354.09	3/4	1,557.57	3/4	1,761.04	3/4	1,964.51	3/4	2,167.98	3/4	2,371.45	3/4	2,570.68	3/4		3/4	
8	138.22	8	340.97	8	544.44	8	747.92	8	951.39	8	1,154.86	8	1,358.33	8	1,561.80	8	1,765.28	8	1,968.75	8	2,172.22	8	2,375.69	8	2,573.94	8		8	
1/4	142.37	1/4	345.21	1/4	548.68	1/4	752.16	1/4	955.63	1/4	1,159.10	1/4	1,362.57	1/4	1,566.04	1/4	1,769.52	1/4	1,972.99	1/4	2,176.46	1/4	2,379.93	1/4	2,576.55	1/4		1/4	
1/2	146.52	1/2	349.45	1/2	552.92	1/2	756.39	1/2	959.87	1/2	1,163.34	1/2	1,366.81	1/2	1,570.28	1/2	1,773.75	1/2	1,977.23	1/2	2,180.70	1/2	2,384.17	1/2	2,579.16	1/2		1/2	
3/4	150.67	3/4	353.69	3/4	557.16	3/4	760.63	3/4	964.11	3/4	1,167.58	3/4	1,371.05	3/4	1,574.52	3/4	1,777.99	3/4	1,981.47	3/4	2,184.94	3/4	2,388.41	3/4	2,581.77	3/4		3/4	
9	154.82	9	357.93	9	561.40	9	764.87	9	968.34	9	1,171.82	9	1,375.29	9	1,578.76	9	1,782.23	9	1,985.70	9	2,189.18	9	2,392.65	9	2,584.38	9		9	
1/4	158.97	1/4	362.17	1/4	565.64	1/4	769.11	1/4	972.58	1/4	1,176.06	1/4	1,379.53	1/4	1,583.00	1/4	1,786.47	1/4	1,989.94	1/4	2,193.42	1/4	2,396.89	1/4	2,586.33	1/4		1/4	
1/2	163.11	1/2	366.41	1/2	569.88	1/2	773.35	1/2	976.82	1/2	1,180.29	1/2	1,383.77	1/2	1,587.24	1/2	1,790.71	1/2	1,994.18	1/2	2,197.65	1/2	2,401.13	1/2	2,588.29	1/2		1/2	
3/4	167.26	3/4	370.65	3/4	574.12	3/4	777.59	3/4	981.06	3/4	1,184.53	3/4	1,388.01	3/4	1,591.48	3/4	1,794.95	3/4	1,998.42	3/4	2,201.89	3/4	2,405.37	3/4	2,590.24	3/4		3/4	
10	171.41	10	374.88	10	578.36	10	781.83	10	985.30	10	1,188.77	10	1,392.24	10	1,595.72	10	1,799.19	10	2,002.66	10	2,206.13	10	2,409.60	10	2,592.20	10		10	



BARGE "BUFFALO 403" BUFFALO MARINE SERVICE

INNAGE TABLE

4 PORT OR STAR

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 4373

	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	7.57	194.78	391.82	588.86	785.90	982.94	1,179.98	1,377.02	1,574.06	1,771.10	1,968.14	2,165.18	2,362.22	2,517.27	0
1/4	9.32	198.89	395.93	592.97	790.01	987.05	1,184.09	1,381.13	1,578.17	1,775.21	1,972.25	2,169.29	2,366.33	2,517.91	1/4
1/2	12.24	202.99	400.03	597.07	794.11	991.15	1,188.19	1,385.23	1,582.27	1,779.31	1,976.35	2,173.39	2,370.43	2,518.06	1/2
3/4	15.16	207.10	404.14	601.18	798.22	995.26	1,192.30	1,389.34	1,586.38	1,783.42	1,980.46	2,177.50	2,374.54	2,518.22	3/4
1	18.09	211.20	408.24	605.28	802.32	999.36	1,196.40	1,393.44	1,590.48	1,787.52	1,984.56	2,181.60	2,378.64	2,518.38	1
1/4	21.01	215.31	412.35	609.39	806.43	1,003.47	1,200.51	1,397.55	1,594.59	1,791.63	1,988.67	2,185.71	2,382.75	2,518.54	1/4
1/2	24.62	219.41	416.45	613.49	810.53	1,007.57	1,204.61	1,401.65	1,598.69	1,795.73	1,992.77	2,189.81	2,386.85	2,518.70	1/2
3/4	28.62	223.52	420.56	617.60	814.64	1,011.68	1,208.72	1,405.76	1,602.80	1,799.84	1,996.88	2,193.92	2,390.96	2,518.86	3/4
2	32.72	227.62	424.66	621.70	818.74	1,015.78	1,212.82	1,409.86	1,606.90	1,803.94	2,000.98	2,198.02	2,395.06	2,519.02	2
1/4	36.81	231.73	428.77	625.81	822.85	1,019.89	1,216.93	1,413.97	1,611.01	1,808.05	2,005.09	2,202.13	2,399.17	2,519.18	1/4
1/2	40.91	235.83	432.87	629.91	826.95	1,023.99	1,221.03	1,418.07	1,615.11	1,812.15	2,009.19	2,206.23	2,403.27	2,519.34	1/2
3/4	45.01	239.94	436.98	634.02	831.06	1,028.10	1,225.14	1,422.18	1,619.22	1,816.26	2,013.30	2,210.34	2,407.38	2,519.50	3/4
3	49.11	244.04	441.08	638.12	835.16	1,032.20	1,229.24	1,426.28	1,623.32	1,820.36	2,017.40	2,214.44	2,411.48	2,519.66	3
1/4	53.20	248.15	445.19	642.23	839.27	1,036.31	1,233.35	1,430.39	1,627.43	1,824.47	2,021.51	2,218.55	2,415.59	2,519.82	1/4
1/2	57.30	252.25	449.29	646.33	843.37	1,040.41	1,237.45	1,434.49	1,631.53	1,828.57	2,025.61	2,222.65	2,419.69	2,520.00	1/2
3/4	61.40	256.36	453.40	650.44	847.48	1,044.52	1,241.56	1,438.60	1,635.64	1,832.68	2,029.72	2,226.76	2,423.80	2,520.16	3/4
4	65.49	260.46	457.50	654.54	851.58	1,048.62	1,245.66	1,442.70	1,639.74	1,836.78	2,033.82	2,230.86	2,427.90	2,520.32	4
1/4	69.59	264.57	461.61	658.65	855.69	1,052.73	1,249.77	1,446.81	1,643.85	1,840.89	2,037.93	2,234.97	2,432.01	2,520.48	1/4
1/2	73.61	268.67	465.71	662.75	859.79	1,056.83	1,253.87	1,450.91	1,647.95	1,844.99	2,042.03	2,239.07	2,436.11	2,520.64	1/2
3/4	77.63	272.78	469.82	666.86	863.90	1,060.94	1,257.98	1,455.02	1,652.06	1,849.10	2,046.14	2,243.18	2,440.22	2,520.80	3/4
5	81.65	276.88	473.92	670.96	868.00	1,065.04	1,262.08	1,459.12	1,656.16	1,853.20	2,050.24	2,247.28	2,444.32	2,520.96	5
1/4	85.67	280.99	478.03	675.07	872.11	1,069.15	1,266.19	1,463.23	1,660.27	1,857.31	2,054.35	2,251.39	2,448.43	2,521.12	1/4
1/2	89.69	285.09	482.13	679.17	876.21	1,073.25	1,270.29	1,467.33	1,664.37	1,861.41	2,058.45	2,255.49	2,452.53	2,521.28	1/2
3/4	93.70	289.20	486.24	683.28	880.32	1,077.36	1,274.40	1,471.44	1,668.48	1,865.52	2,062.56	2,259.60	2,456.64	2,521.44	3/4
6	97.72	293.30	490.34	687.38	884.42	1,081.46	1,278.50	1,475.54	1,672.58	1,869.62	2,066.66	2,263.70	2,460.74	2,521.60	6
1/4	101.74	297.41	494.45	691.49	888.53	1,085.57	1,282.61	1,479.65	1,676.69	1,873.73	2,070.77	2,267.81	2,464.85	2,521.76	1/4
1/2	105.76	301.51	498.55	695.59	892.63	1,089.67	1,286.71	1,483.75	1,680.79	1,877.83	2,074.87	2,271.91	2,468.96	2,521.92	1/2
3/4	109.78	305.62	502.66	699.70	896.74	1,093.78	1,290.82	1,487.86	1,684.90	1,881.94	2,078.98	2,276.02	2,472.43	2,522.08	3/4
7	113.80	309.72	506.76	703.80	900.84	1,097.88	1,294.92	1,491.96	1,689.00	1,886.04	2,083.08	2,280.12	2,476.22	2,522.24	7
1/4	117.82	313.83	510.87	707.91	904.95	1,101.99	1,299.03	1,496.07	1,693.11	1,890.15	2,087.19	2,284.23	2,480.01	2,522.40	1/4
1/2	121.84	317.93	514.97	712.01	909.05	1,106.09	1,303.13	1,500.17	1,697.21	1,894.25	2,091.29	2,288.33	2,483.16	2,522.56	1/2
3/4	125.86	322.04	519.08	716.12	913.16	1,110.20	1,307.24	1,504.28	1,701.32	1,898.36	2,095.40	2,292.44	2,486.32	2,522.72	3/4
8	129.88	326.14	523.18	720.22	917.26	1,114.30	1,311.34	1,508.38	1,705.42	1,902.46	2,099.50	2,296.54	2,489.48	2,522.88	8
1/4	133.89	330.25	527.29	724.33	921.37	1,118.41	1,315.45	1,512.49	1,709.53	1,906.57	2,103.61	2,300.65	2,492.64	2,523.04	1/4
1/2	137.91	334.35	531.39	728.43	925.47	1,122.51	1,319.55	1,516.59	1,713.63	1,910.67	2,107.71	2,304.75	2,495.79	2,523.20	1/2
3/4	141.93	338.46	535.50	732.54	929.58	1,126.62	1,323.66	1,520.70	1,717.74	1,914.78	2,111.82	2,308.86	2,497.69	2,523.36	3/4
9	145.95	342.56	539.60	736.64	933.68	1,130.72	1,327.76	1,524.80	1,721.84	1,918.88	2,115.92	2,312.96	2,500.22	2,523.52	9
1/4	149.97	346.67	543.71	740.75	937.79	1,134.83	1,331.87	1,528.91	1,725.95	1,922.99	2,120.03	2,317.07	2,502.75	2,523.68	1/4
1/2	153.99	350.77	547.81	744.85	941.89	1,138.93	1,335.97	1,533.01	1,730.05	1,927.09	2,124.13	2,321.17	2,504.64	2,523.84	1/2
3/4	158.01	354.88	551.92	748.96	946.00	1,143.04	1,340.08	1,537.12	1,734.16	1,931.20	2,128.24	2,325.28	2,506.54	2,524.00	3/4
10	162.03	358.98	556.02	753.06	950.10	1,147.14	1,344.18	1,541.22	1,738.26	1,935.30	2,132.34	2,329.38	2,508.43	2,524.16	10
1/4	166.05	363.09	560.13	757.17	954.21	1,151.25	1,348.29	1,545.33	1,742.37	1,939.41	2,136.45	2,333.49	2,510.33	2,524.32	1/4
1/2	170.15	367.19	564.23	761.27	958.31	1,155.35	1,352.39	1,549.43	1,746.47	1,943.51	2,140.55	2,337.59	2,511.59	2,524.48	1/2
3/4	174.26	371.30	568.34	765.38	962.42	1,159.46	1,356.50	1,553.54	1,750.58	1,947.62	2,144.66	2,341.70	2,512.85	2,524.64	3/4
11	178.36	375.40	572.44	769.48	966.52	1,163.56	1,360.60	1,557.64	1,754.68	1,951.72	2,148.76	2,345.80	2,514.12	2,524.80	11
1/4	182.47	379.51	576.55	773.59	970.63	1,167.67	1,364.71	1,561.75	1,758.79	1,955.83	2,152.87	2,349.91	2,515.38	2,524.96	1/4
1/2	186.57	383.61	580.65	777.69	974.73	1,171.77	1,368.81	1,565.85	1,762.89	1,959.93	2,156.97	2,354.01	2,516.61	2,525.12	1/2
3/4	190.68	387.72	584.76	781.80	978.84	1,175.88	1,372.92	1,569.96	1,767.00	1,964.04	2,161.08	2,358.12	2,517.88	2,525.28	3/4

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 2/19/01

* CAPACITY BELOW STRIKE POINT

REFERENCE GAUGE HEIGHT : 15'-4 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 403" BUFFALO MARINE SERVICE

INNAGE TABLE

5 PORT OR STAR

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

HULL NO. 4373

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		
IN	0 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	9.32	0	198.89	0	395.98	0	593.07	0	790.16	0	987.25	0	1,184.33	0	1,381.42	0	1,578.51	0	1,775.60	0	1,972.69	0	2,169.77	0	2,366.86	0	2,518.47	0		0
1/4	12.24	1/4	203.00	1/4	400.09	1/4	597.18	1/4	794.26	1/4	991.35	1/4	1,188.44	1/4	1,385.53	1/4	1,582.62	1/4	1,779.70	1/4	1,976.79	1/4	2,173.88	1/4	2,370.97	1/4	2,518.62	1/4		1/4
1/2	15.16	1/2	207.11	1/2	404.19	1/2	601.28	1/2	798.37	1/2	995.46	1/2	1,192.55	1/2	1,389.63	1/2	1,586.72	1/2	1,783.81	1/2	1,980.90	1/2	2,177.99	1/2	2,375.07	1/2	2,518.78	1/2		1/2
3/4	18.09	3/4	211.21	3/4	408.30	3/4	605.39	3/4	802.48	3/4	999.56	3/4	1,196.65	3/4	1,393.74	3/4	1,590.83	3/4	1,787.92	3/4	1,985.00	3/4	2,182.09	3/4	2,379.18	3/4		3/4		3/4
1	21.01	1	215.32	1	412.41	1	609.49	1	806.58	1	1,003.67	1	1,200.76	1	1,397.85	1	1,594.93	1	1,792.02	1	1,989.11	1	2,186.20	1	2,383.29	1		1		1
1/4	24.82	1/4	219.42	1/4	416.51	1/4	613.60	1/4	810.69	1/4	1,007.78	1/4	1,204.86	1/4	1,401.95	1/4	1,599.04	1/4	1,796.13	1/4	1,993.22	1/4	2,190.30	1/4	2,387.39	1/4		1/4		1/4
1/2	28.62	1/2	223.53	1/2	420.62	1/2	617.71	1/2	814.79	1/2	1,011.88	1/2	1,208.97	1/2	1,406.06	1/2	1,603.15	1/2	1,800.23	1/2	1,997.32	1/2	2,194.41	1/2	2,391.50	1/2		1/2		1/2
3/4	32.72	3/4	227.64	3/4	424.72	3/4	621.81	3/4	818.90	3/4	1,015.99	3/4	1,213.08	3/4	1,410.16	3/4	1,607.25	3/4	1,804.34	3/4	2,001.43	3/4	2,198.52	3/4	2,395.60	3/4		3/4		3/4
2	36.81	2	231.74	2	428.83	2	625.92	2	823.01	2	1,020.09	2	1,217.18	2	1,414.27	2	1,611.36	2	1,808.45	2	2,005.53	2	2,202.62	2	2,399.71	2		2		2
1/4	40.91	1/4	235.85	1/4	432.94	1/4	630.02	1/4	827.11	1/4	1,024.20	1/4	1,221.29	1/4	1,418.38	1/4	1,615.46	1/4	1,812.55	1/4	2,009.64	1/4	2,206.73	1/4	2,403.82	1/4		1/4		1/4
1/2	45.01	1/2	239.95	1/2	437.04	1/2	634.13	1/2	831.22	1/2	1,028.31	1/2	1,225.39	1/2	1,422.48	1/2	1,619.57	1/2	1,816.66	1/2	2,013.75	1/2	2,210.83	1/2	2,407.92	1/2		1/2		1/2
3/4	49.11	3/4	244.06	3/4	441.15	3/4	638.24	3/4	835.32	3/4	1,032.41	3/4	1,229.50	3/4	1,426.59	3/4	1,623.68	3/4	1,820.76	3/4	2,017.85	3/4	2,214.94	3/4	2,412.03	3/4		3/4		3/4
3	53.20	3	248.17	3	445.25	3	642.34	3	839.43	3	1,036.52	3	1,233.61	3	1,430.69	3	1,627.78	3	1,824.87	3	2,021.96	3	2,219.05	3	2,416.13	3		3		3
1/4	57.30	1/4	252.27	1/4	449.36	1/4	646.45	1/4	843.54	1/4	1,040.62	1/4	1,237.71	1/4	1,434.80	1/4	1,631.89	1/4	1,828.98	1/4	2,026.06	1/4	2,223.15	1/4	2,420.24	1/4		1/4		1/4
1/2	61.40	1/2	256.38	1/2	453.47	1/2	650.55	1/2	847.64	1/2	1,044.73	1/2	1,241.82	1/2	1,438.91	1/2	1,635.99	1/2	1,833.08	1/2	2,030.17	1/2	2,227.26	1/2	2,424.35	1/2		1/2		1/2
3/4	65.49	3/4	260.48	3/4	457.57	3/4	654.66	3/4	851.75	3/4	1,048.84	3/4	1,245.92	3/4	1,443.01	3/4	1,640.10	3/4	1,837.19	3/4	2,034.28	3/4	2,231.36	3/4	2,428.45	3/4		3/4		3/4
4	69.59	4	264.59	4	461.68	4	658.77	4	855.85	4	1,052.94	4	1,250.03	4	1,447.12	4	1,644.21	4	1,841.29	4	2,038.38	4	2,235.47	4	2,432.56	4		4		4
1/4	73.61	1/4	268.70	1/4	465.78	1/4	662.87	1/4	859.96	1/4	1,057.05	1/4	1,254.14	1/4	1,451.22	1/4	1,648.31	1/4	1,845.40	1/4	2,042.49	1/4	2,239.58	1/4	2,436.66	1/4		1/4		1/4
1/2	77.63	1/2	272.80	1/2	469.89	1/2	666.98	1/2	864.07	1/2	1,061.15	1/2	1,258.24	1/2	1,455.33	1/2	1,652.42	1/2	1,849.51	1/2	2,046.59	1/2	2,243.68	1/2	2,440.77	1/2		1/2		1/2
3/4	81.65	3/4	276.91	3/4	474.00	3/4	671.08	3/4	868.17	3/4	1,065.26	3/4	1,262.35	3/4	1,459.44	3/4	1,656.52	3/4	1,853.61	3/4	2,050.70	3/4	2,247.79	3/4	2,444.88	3/4		3/4		3/4
5	85.67	5	281.01	5	478.10	5	675.19	5	872.28	5	1,069.37	5	1,266.45	5	1,463.54	5	1,660.63	5	1,857.72	5	2,054.81	5	2,251.89	5	2,448.98	5		5		5
1/4	89.69	1/4	285.12	1/4	482.21	1/4	679.30	1/4	876.38	1/4	1,073.47	1/4	1,270.56	1/4	1,467.65	1/4	1,664.74	1/4	1,861.82	1/4	2,058.91	1/4	2,256.00	1/4	2,453.09	1/4		1/4		1/4
1/2	93.70	1/2	289.23	1/2	486.31	1/2	683.40	1/2	880.49	1/2	1,077.58	1/2	1,274.67	1/2	1,471.75	1/2	1,668.84	1/2	1,865.93	1/2	2,063.02	1/2	2,260.11	1/2	2,457.19	1/2		1/2		1/2
3/4	97.72	3/4	293.33	3/4	490.42	3/4	687.51	3/4	884.60	3/4	1,081.68	3/4	1,278.77	3/4	1,475.86	3/4	1,672.95	3/4	1,870.04	3/4	2,067.12	3/4	2,264.21	3/4	2,461.30	3/4		3/4		3/4
6	101.74	6	297.44	6	494.53	6	691.61	6	888.70	6	1,085.79	6	1,282.88	6	1,479.97	6	1,677.05	6	1,874.14	6	2,071.23	6	2,268.32	6	2,465.41	6		6		6
1/4	105.76	1/4	301.54	1/4	498.63	1/4	695.72	1/4	892.81	1/4	1,089.90	1/4	1,286.98	1/4	1,484.07	1/4	1,681.16	1/4	1,878.25	1/4	2,075.34	1/4	2,272.42	1/4	2,469.20	1/4		1/4		1/4
1/2	109.78	1/2	305.65	1/2	502.74	1/2	699.83	1/2	896.91	1/2	1,094.00	1/2	1,291.09	1/2	1,488.18	1/2	1,685.27	1/2	1,882.35	1/2	2,079.44	1/2	2,276.53	1/2	2,472.99	1/2		1/2		1/2
3/4	113.80	3/4	309.76	3/4	506.84	3/4	703.93	3/4	901.02	3/4	1,098.11	3/4	1,295.20	3/4	1,492.28	3/4	1,689.37	3/4	1,886.46	3/4	2,083.55	3/4	2,280.64	3/4	2,476.78	3/4		3/4		3/4
7	117.82	7	313.86	7	510.95	7	708.04	7	905.13	7	1,102.21	7	1,299.30	7	1,496.39	7	1,693.48	7	1,890.57	7	2,087.65	7	2,284.74	7	2,480.57	7		7		7
1/4	121.84	1/4	317.97	1/4	515.06	1/4	712.14	1/4	909.23	1/4	1,106.32	1/4	1,303.41	1/4	1,500.50	1/4	1,697.58	1/4	1,894.67	1/4	2,091.76	1/4	2,288.85	1/4	2,483.72	1/4		1/4		1/4
1/2	125.86	1/2	322.07	1/2	519.16	1/2	716.25	1/2	913.34	1/2	1,110.43	1/2	1,307.51	1/2	1,504.60	1/2	1,701.69	1/2	1,898.78	1/2	2,095.87	1/2	2,292.95	1/2	2,486.88	1/2		1/2		1/2
3/4	129.88	3/4	326.18	3/4	523.27	3/4	720.36	3/4	917.44	3/4	1,114.53	3/4	1,311.62	3/4	1,508.71	3/4	1,705.80	3/4	1,902.88	3/4	2,099.97	3/4	2,297.06	3/4	2,490.04	3/4		3/4		3/4
8	133.89	8	330.29	8	527.37	8	724.46	8	921.55	8	1,118.64	8	1,315.73	8	1,512.81	8	1,709.90	8	1,906.99	8	2,104.08	8	2,301.17	8	2,493.20	8		8		8
1/4	137.91	1/4	334.39	1/4	531.48	1/4	728.57	1/4	925.66	1/4	1,122.74	1/4	1,319.83	1/4	1,516.92	1/4	1,714.01	1/4	1,911.10	1/4	2,108.18	1/4	2,305.27	1/4	2,495.73	1/4		1/4		1/4
1/2	141.93	1/2	338.50	1/2	535.59	1/2	732.67	1/2	929.76	1/2	1,126.85	1/2	1,323.94	1/2	1,521.03	1/2	1,718.11	1/2	1,915.20	1/2	2,112.29	1/2	2,309.38	1/2	2,498.25	1/2		1/2		1/2
3/4	145.95	3/4	342.60	3/4	539.69	3/4	736.78	3/4	933.87	3/4	1,130.96	3/4	1,328.04	3/4	1,525.13	3/4	1,722.22	3/4	1,919.31											



BARGE "BUFFALO 403" BUFFALO MARINE SERVICE

INNAGE TABLE

6 PORT OR STAR

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

HULL NO. 4373

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	2.41	0	80.02	0	162.82	0	245.62	0	328.42	0	411.22	0	494.02	0	576.82	0	659.62	0	742.42	0	809.02	0		0		0		0	
1/4	3.15	1/4	81.74	1/4	164.54	1/4	247.34	1/4	330.14	1/4	412.94	1/4	495.74	1/4	578.54	1/4	661.34	1/4	744.14	1/4	809.29	1/4		1/4		1/4		1/4	
1/2	3.88	1/2	83.47	1/2	166.27	1/2	249.07	1/2	331.87	1/2	414.67	1/2	497.47	1/2	580.27	1/2	663.07	1/2	745.87	1/2	809.55	1/2		1/2		1/2		1/2	
3/4	5.10	3/4	85.19	3/4	167.99	3/4	250.79	3/4	333.59	3/4	416.39	3/4	499.19	3/4	581.99	3/4	664.79	3/4	747.59	3/4	809.62	3/4		3/4		3/4		3/4	
1	6.32	1	86.92	1	169.72	1	252.52	1	335.32	1	418.12	1	500.92	1	583.72	1	666.52	1	749.32	1	<u>809.69</u>	1		1		1		1	
1/4	7.55	1/4	88.64	1/4	171.44	1/4	254.24	1/4	337.04	1/4	419.84	1/4	502.64	1/4	585.44	1/4	668.24	1/4	751.04	1/4		1/4		1/4		1/4		1/4	
1/2	8.77	1/2	90.37	1/2	173.17	1/2	255.97	1/2	338.77	1/2	421.57	1/2	504.37	1/2	587.17	1/2	669.97	1/2	752.77	1/2		1/2		1/2		1/2		1/2	
3/4	10.37	3/4	92.09	3/4	174.89	3/4	257.69	3/4	340.49	3/4	423.29	3/4	506.09	3/4	588.89	3/4	671.69	3/4	754.49	3/4		3/4		3/4		3/4		3/4	
2	11.96	2	93.82	2	176.62	2	259.42	2	342.22	2	425.02	2	507.82	2	590.62	2	673.42	2	756.22	2		2		2		2		2	
1/4	13.68	1/4	95.54	1/4	178.34	1/4	261.14	1/4	343.94	1/4	426.74	1/4	509.54	1/4	592.34	1/4	675.14	1/4	757.94	1/4		1/4		1/4		1/4		1/4	
1/2	15.39	1/2	97.27	1/2	180.07	1/2	262.87	1/2	345.67	1/2	428.47	1/2	511.27	1/2	594.07	1/2	676.87	1/2	759.67	1/2		1/2		1/2		1/2		1/2	
3/4	17.11	3/4	98.99	3/4	181.79	3/4	264.59	3/4	347.39	3/4	430.19	3/4	512.99	3/4	595.79	3/4	678.59	3/4	761.39	3/4		3/4		3/4		3/4		3/4	
3	18.83	3	100.72	3	183.52	3	266.32	3	349.12	3	431.92	3	514.72	3	597.52	3	680.32	3	763.12	3		3		3		3		3	
1/4	20.55	1/4	102.44	1/4	185.24	1/4	268.04	1/4	350.84	1/4	433.64	1/4	516.44	1/4	599.24	1/4	682.04	1/4	764.84	1/4		1/4		1/4		1/4		1/4	
1/2	22.26	1/2	104.17	1/2	186.97	1/2	269.77	1/2	352.57	1/2	435.37	1/2	518.17	1/2	600.97	1/2	683.77	1/2	766.57	1/2		1/2		1/2		1/2		1/2	
3/4	23.98	3/4	105.89	3/4	188.69	3/4	271.49	3/4	354.29	3/4	437.09	3/4	519.89	3/4	602.69	3/4	685.49	3/4	768.29	3/4		3/4		3/4		3/4		3/4	
4	25.70	4	107.62	4	190.42	4	273.22	4	356.02	4	438.82	4	521.62	4	604.42	4	687.22	4	770.02	4		4		4		4		4	
1/4	27.41	1/4	109.34	1/4	192.14	1/4	274.94	1/4	357.74	1/4	440.54	1/4	523.34	1/4	606.14	1/4	688.94	1/4	771.74	1/4		1/4		1/4		1/4		1/4	
1/2	29.13	1/2	111.07	1/2	193.87	1/2	276.67	1/2	359.47	1/2	442.27	1/2	525.07	1/2	607.87	1/2	690.67	1/2	773.47	1/2		1/2		1/2		1/2		1/2	
3/4	30.82	3/4	112.79	3/4	195.59	3/4	278.39	3/4	361.19	3/4	443.99	3/4	526.79	3/4	609.59	3/4	692.39	3/4	775.19	3/4		3/4		3/4		3/4		3/4	
5	32.51	5	114.52	5	197.32	5	280.12	5	362.92	5	445.72	5	528.52	5	611.32	5	694.12	5	776.92	5		5		5		5		5	
1/4	34.20	1/4	116.24	1/4	199.04	1/4	281.84	1/4	364.64	1/4	447.44	1/4	530.24	1/4	613.04	1/4	695.84	1/4	778.64	1/4		1/4		1/4		1/4		1/4	
1/2	35.89	1/2	117.97	1/2	200.77	1/2	283.57	1/2	366.37	1/2	449.17	1/2	531.97	1/2	614.77	1/2	697.57	1/2	780.37	1/2		1/2		1/2		1/2		1/2	
3/4	37.58	3/4	119.69	3/4	202.49	3/4	285.29	3/4	368.09	3/4	450.89	3/4	533.69	3/4	616.49	3/4	699.29	3/4	782.09	3/4		3/4		3/4		3/4		3/4	
6	39.26	6	121.42	6	204.22	6	287.02	6	369.82	6	452.62	6	535.42	6	618.22	6	701.02	6	783.82	6		6		6		6		6	
1/4	40.95	1/4	123.14	1/4	205.94	1/4	288.74	1/4	371.54	1/4	454.34	1/4	537.14	1/4	619.94	1/4	702.74	1/4	785.54	1/4		1/4		1/4		1/4		1/4	
1/2	42.64	1/2	124.87	1/2	207.67	1/2	290.47	1/2	373.27	1/2	456.07	1/2	538.87	1/2	621.67	1/2	704.47	1/2	787.27	1/2		1/2		1/2		1/2		1/2	
3/4	44.33	3/4	126.59	3/4	209.39	3/4	292.19	3/4	374.99	3/4	457.79	3/4	540.59	3/4	623.39	3/4	706.19	3/4	788.86	3/4		3/4		3/4		3/4		3/4	
7	46.02	7	128.32	7	211.12	7	293.92	7	376.72	7	459.52	7	542.32	7	625.12	7	707.92	7	790.45	7		7		7		7		7	
1/4	47.71	1/4	130.04	1/4	212.84	1/4	295.64	1/4	378.44	1/4	461.24	1/4	544.04	1/4	626.84	1/4	709.64	1/4	792.04	1/4		1/4		1/4		1/4		1/4	
1/2	49.40	1/2	131.77	1/2	214.57	1/2	297.37	1/2	380.17	1/2	462.97	1/2	545.77	1/2	628.57	1/2	711.37	1/2	793.63	1/2		1/2		1/2		1/2		1/2	
3/4	51.09	3/4	133.49	3/4	216.29	3/4	299.09	3/4	381.89	3/4	464.69	3/4	547.49	3/4	630.29	3/4	713.09	3/4	794.96	3/4		3/4		3/4		3/4		3/4	
8	52.78	8	135.22	8	218.02	8	300.82	8	383.62	8	466.42	8	549.22	8	632.02	8	714.82	8	796.29	8		8		8		8		8	
1/4	54.47	1/4	136.94	1/4	219.74	1/4	302.54	1/4	385.34	1/4	468.14	1/4	550.94	1/4	633.74	1/4	716.54	1/4	797.62	1/4		1/4		1/4		1/4		1/4	
1/2	56.15	1/2	138.67	1/2	221.47	1/2	304.27	1/2	387.07	1/2	469.87	1/2	552.67	1/2	635.47	1/2	718.27	1/2	798.94	1/2		1/2		1/2		1/2		1/2	
3/4	57.84	3/4	140.39	3/4	223.19	3/4	305.99	3/4	388.79	3/4	471.59	3/4	554.39	3/4	637.19	3/4	719.99	3/4	800.00	3/4		3/4		3/4		3/4		3/4	
9	59.53	9	142.12	9	224.92	9	307.72	9	390.52	9	473.32	9	556.12	9	638.92	9	721.72	9	801.07	9		9		9		9		9	
1/4	61.22	1/4	143.84	1/4	226.64	1/4	309.44	1/4	392.24	1/4	475.04	1/4	557.84	1/4	640.64	1/4	723.44	1/4	802.13	1/4		1/4		1/4		1/4		1/4	
1/2	62.91	1/2	145.57	1/2	228.37	1/2	311.17	1/2	393.97	1/2	476.77	1/2	559.57	1/2	642.37	1/2	725.17	1/2	803.19	1/2		1/2		1/2		1/2		1/2	
3/4	64.60	3/4	147.29	3/4	230.09	3/4	312.89	3/4	395.69	3/4	478.49	3/4	561.29	3/4	644.09	3/4	726.89	3/4	803.99	3/4		3/4		3/4		3/4		3/4	
10	66.29	10	149.02	10	231.82	10	314.62	10	397.42	10	480.22	10	563.02	10	645.82	10	728.62	10	804.78	10		10		10		10		10	
1/4	67.98	1/4	150.74	1/4	233.54	1/4	316.34	1/4	399.14	1/4	481.94	1/4	564.74	1/4	647.54	1/4	730.34	1/4	805.58	1/4		1/4		1/4		1/4		1/4	
1/2	69.67	1/2	152.47	1/2	235.27	1/2	318.07	1/2	400.87	1/2	483.67	1/2	566.47	1/2	649.27	1/2	732.07	1/2	806.37	1/2		1/2		1/2		1/2		1/2	
3/4	71.39	3/4	154.19	3/4	236.99	3/4	319.79	3/4	402.59	3/4	485.39	3/4	568.19	3/4	650.99	3/4	733.79	3/4	806.90	3/4		3/4		3/4		3/4		3/4	
11	73.12	11	155.92	11	238.72	11	321.52	11	404.32	11	487.12	11	569.92	11	652.72	11	735.52	11	807.43	11		11		11		11		11	
1/4	74.84	1/4	157.64	1/4	240.44	1/4	323.24	1/4	406.04	1/4	488.84	1/4	571.64	1/4	654.44	1/4	737.24	1/4	807.96	1/4		1/4		1/4		1/4		1/4	
1/2	76.57	1/2	159.37	1/2	242.17	1/2	324.97	1/2	407.77	1/2	490.57	1/2	573.37	1/2	656.17	1/2	738.97	1/2	808.49	1/2	</								