INSPECTORATE

BARGE "BUFFALO 407"

BUFFALO MARINE SERVICE

HULL NO. 2162-3

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: 6/28/07 BY: _____

INSPECTORATE AMERICA CORPORATION

FORM "TRIM-3" REV. #1 5/93

FORM 1/4L15W REV #2 7/98

INSPECTORATE
ISO 9002 ACCREDITED

BARGE "BUFFALO 407"
BUFFALO MARINE SERVICE

INNAGE TABLE

1 PORT OR STAR

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

HULL NO. 2162-3

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	* 6.11	0	192.78	0	391.98	0	591.18	0	790.38	0	989.58	0	1,188.78	0	1,387.98	0	1,587.18	0	1,786.38	0	1,985.58	0	2,184.78	0	2,383.98	0	2,544.18	0	
1/4	7.88	1/4	196.93	1/4	396.13	1/4	595.33	1/4	794.53	1/4	993.73	1/4	1,192.93	1/4	1,392.13	1/4	1,591.33	1/4	1,790.53	1/4	1,989.73	1/4	2,188.93	1/4	2,388.13	1/4	2,544.81	1/4	
1/2	9.64	1/2	201.08	1/2	400.28	1/2	599.48	1/2	798.68	1/2	997.88	1/2	1,197.08	1/2	1,396.28	1/2	1,595.48	1/2	1,794.68	1/2	1,993.88	1/2	2,193.08	1/2	2,392.28	1/2	2,545.45	1/2	
3/4	12.60	3/4	205.23	3/4	404.43	3/4	603.63	3/4	802.83	3/4	1,002.03	3/4	1,201.23	3/4	1,400.43	3/4	1,599.63	3/4	1,798.83	3/4	1,998.03	3/4	2,197.23	3/4	2,396.43	3/4	2,545.61	3/4	
1	15.55	1	209.38	1	408.58	1	607.78	1	806.98	1	1,006.18	1	1,205.38	1	1,404.58	1	1,603.78	1	1,802.98	1	2,002.18	1	2,201.38	1	2,400.58	1	2,545.77	1	
1/4	18.50	1/4	213.53	1/4	412.73	1/4	611.93	1/4	811.13	1/4	1,010.33	1/4	1,209.53	1/4	1,408.73	1/4	1,607.93	1/4	1,807.13	1/4	2,006.33	1/4	2,205.53	1/4	2,404.73	1/4		1/4	
1/2	21.45	1/2	217.68	1/2	416.88	1/2	616.08	1/2	815.28	1/2	1,014.48	1/2	1,213.68	1/2	1,412.88	1/2	1,612.08	1/2	1,811.28	1/2	2,010.48	1/2	2,209.68	1/2	2,408.88	1/2		1/2	
3/4	25.29	3/4	221.83	3/4	421.03	3/4	620.23	3/4	819.43	3/4	1,018.63	3/4	1,217.83	3/4	1,417.03	3/4	1,616.23	3/4	1,815.43	3/4	2,014.63	3/4	2,213.83	3/4	2,413.03	3/4		3/4	
2	29.13	2	225.98	2	425.18	2	624.38	2	823.58	2	1,022.78	2	1,221.98	2	1,421.18	2	1,620.38	2	1,819.58	2	2,018.78	2	2,217.98	2	2,417.18	2		2	
1/4	33.27	1/4	230.13	1/4	429.33	1/4	628.53	1/4	827.73	1/4	1,026.93	1/4	1,226.13	1/4	1,425.33	1/4	1,624.53	1/4	1,823.73	1/4	2,022.93	1/4	2,222.13	1/4	2,421.33	1/4		1/4	
1/2	37.40	1/2	234.28	1/2	433.48	1/2	632.68	1/2	831.88	1/2	1,031.08	1/2	1,230.28	1/2	1,429.48	1/2	1,628.68	1/2	1,827.88	1/2	2,027.08	1/2	2,226.28	1/2	2,425.48	1/2		1/2	
3/4	41.54	3/4	238.43	3/4	437.63	3/4	636.83	3/4	836.03	3/4	1,035.23	3/4	1,234.43	3/4	1,433.63	3/4	1,632.83	3/4	1,832.03	3/4	2,031.23	3/4	2,230.43	3/4	2,429.63	3/4		3/4	
3	45.68	3	242.58	3	441.78	3	640.98	3	840.18	3	1,039.38	3	1,238.58	3	1,437.78	3	1,636.98	3	1,836.18	3	2,035.38	3	2,234.58	3	2,433.78	3		3	
1/4	49.81	1/4	246.73	1/4	445.93	1/4	645.13	1/4	844.33	1/4	1,043.53	1/4	1,242.73	1/4	1,441.93	1/4	1,641.13	1/4	1,840.33	1/4	2,039.53	1/4	2,238.73	1/4	2,437.93	1/4		1/4	
1/2	53.95	1/2	250.88	1/2	450.08	1/2	649.28	1/2	848.48	1/2	1,047.68	1/2	1,246.88	1/2	1,446.08	1/2	1,645.28	1/2	1,844.48	1/2	2,043.68	1/2	2,242.88	1/2	2,442.08	1/2		1/2	
3/4	58.08	3/4	255.03	3/4	454.23	3/4	653.43	3/4	852.63	3/4	1,051.83	3/4	1,251.03	3/4	1,450.23	3/4	1,649.43	3/4	1,848.63	3/4	2,047.83	3/4	2,247.03	3/4	2,446.23	3/4		3/4	
4	62.22	4	259.18	4	458.38	4	657.58	4	856.78	4	1,055.98	4	1,255.18	4	1,454.38	4	1,653.58	4	1,852.78	4	2,051.98	4	2,251.18	4	2,450.38	4		4	
1/4	66.36	1/4	263.33	1/4	462.53	1/4	661.73	1/4	860.93	1/4	1,060.13	1/4	1,259.33	1/4	1,458.53	1/4	1,657.73	1/4	1,856.93	1/4	2,056.13	1/4	2,255.33	1/4	2,454.53	1/4		1/4	
1/2	70.49	1/2	267.48	1/2	466.68	1/2	665.88	1/2	865.08	1/2	1,064.28	1/2	1,263.48	1/2	1,462.68	1/2	1,661.88	1/2	1,861.08	1/2	2,060.28	1/2	2,259.48	1/2	2,458.68	1/2		1/2	
3/4	74.55	3/4	271.63	3/4	470.83	3/4	670.03	3/4	869.23	3/4	1,068.43	3/4	1,267.63	3/4	1,466.83	3/4	1,666.03	3/4	1,865.23	3/4	2,064.43	3/4	2,263.63	3/4	2,462.83	3/4		3/4	
5	78.61	5	275.78	5	474.98	5	674.18	5	873.38	5	1,072.58	5	1,271.78	5	1,470.98	5	1,670.18	5	1,869.38	5	2,068.58	5	2,267.78	5	2,466.98	5		5	
1/4	82.67	1/4	279.93	1/4	479.13	1/4	678.33	1/4	877.53	1/4	1,076.73	1/4	1,275.93	1/4	1,475.13	1/4	1,674.33	1/4	1,873.53	1/4	2,072.73	1/4	2,271.93	1/4	2,471.13	1/4		1/4	
1/2	86.72	1/2	284.08	1/2	483.28	1/2	682.48	1/2	881.68	1/2	1,080.88	1/2	1,280.08	1/2	1,479.28	1/2	1,678.48	1/2	1,877.68	1/2	2,076.88	1/2	2,276.08	1/2	2,475.28	1/2		1/2	
3/4	90.78	3/4	288.23	3/4	487.43	3/4	686.63	3/4	885.83	3/4	1,085.03	3/4	1,284.23	3/4	1,483.43	3/4	1,682.63	3/4	1,881.83	3/4	2,081.03	3/4	2,280.23	3/4	2,479.43	3/4		3/4	
6	94.84	6	292.38	6	491.58	6	690.78	6	889.98	6	1,089.18	6	1,288.38	6	1,487.58	6	1,686.78	6	1,885.98	6	2,085.18	6	2,284.38	6	2,483.58	6		6	
1/4	98.90	1/4	296.53	1/4	495.73	1/4	694.93	1/4	894.13	1/4	1,093.33	1/4	1,292.53	1/4	1,491.73	1/4	1,690.93	1/4	1,890.13	1/4	2,089.33	1/4	2,288.53	1/4	2,487.73	1/4		1/4	
1/2	102.96	1/2	300.68	1/2	499.88	1/2	699.08	1/2	898.28	1/2	1,097.48	1/2	1,296.68	1/2	1,495.88	1/2	1,695.08	1/2	1,894.28	1/2	2,093.48	1/2	2,292.68	1/2	2,491.88	1/2		1/2	
3/4	107.01	3/4	304.83	3/4	504.03	3/4	703.23	3/4	902.43	3/4	1,101.63	3/4	1,300.83	3/4	1,500.03	3/4	1,699.23	3/4	1,898.43	3/4	2,097.63	3/4	2,296.83	3/4	2,495.71	3/4		3/4	
7	111.07	7	308.98	7	508.18	7	707.38	7	906.58	7	1,105.78	7	1,304.98	7	1,504.18	7	1,703.38	7	1,902.58	7	2,101.78	7	2,300.98	7	2,499.54	7		7	
1/4	115.13	1/4	313.13	1/4	512.33	1/4	711.53	1/4	910.73	1/4	1,109.93	1/4	1,309.13	1/4	1,508.33	1/4	1,707.53	1/4	1,906.73	1/4	2,105.93	1/4	2,305.13	1/4	2,503.36	1/4		1/4	
1/2	119.19	1/2	317.28	1/2	516.48	1/2	715.68	1/2	914.88	1/2	1,114.08	1/2	1,313.28	1/2	1,512.48	1/2	1,711.68	1/2	1,910.88	1/2	2,110.08	1/2	2,309.28	1/2	2,507.19	1/2		1/2	
3/4	123.25	3/4	321.43	3/4	520.63	3/4	719.83	3/4	919.03	3/4	1,118.23	3/4	1,317.43	3/4	1,516.63	3/4	1,715.83	3/4	1,915.03	3/4	2,114.23	3/4	2,313.43	3/4	2,510.38	3/4		3/4	
8	127.30	8	325.58	8	524.78	8	723.98	8	923.18	8	1,122.38	8	1,321.58	8	1,520.78	8	1,719.98	8	1,919.18	8	2,118.38	8	2,317.58	8	2,513.57	8		8	
1/4	131.36	1/4	329.73	1/4	528.93	1/4	728.13	1/4	927.33	1/4	1,126.53	1/4	1,325.73	1/4	1,524.93	1/4	1,724.13	1/4	1,923.33	1/4	2,122.53	1/4	2,321.73	1/4	2,516.76	1/4		1/4	
1/2	135.42	1/2	333.88	1/2	533.08	1/2	732.28	1/2	931.48	1/2	1,130.68	1/2	1,329.88	1/2	1,529.08	1/2	1,728.28	1/2	1,927.48	1/2	2,126.68	1/2	2,325.88	1/2	2,519.94	1/2		1/2	
3/4	139.48	3/4	338.03	3/4	537.23	3/4	736.43	3/4	935.63	3/4	1,134.83	3/4	1,334.03	3/4	1,533.23	3/4	1,732.43	3/4	1,931.63	3/4	2,130.83	3/4	2,330.03	3/4	2,522.50	3/4		3/4	
9	143.54	9	342.18	9	541.38	9	740.58	9	939.78	9	1,138.98	9	1,338.18	9	1,537.38	9	1,736.58	9	1,935.78	9	2,134.98	9	2,334.18	9	2,525.05	9		9	
1/4	147.59	1/4	346.33	1/4	545.53	1/4	744.73	1/4	943.93	1/4	1,143.13	1/4	1,342.33	1/4	1,541.53	1/4	1,740.73	1/4	1,939.93	1/4	2,139.13	1/4	2,338.33	1/4	2,527.60	1/4		1/4	
1/2	151.65	1/2	350.48	1/2	549.68	1/2	748.88	1/2	948.08	1/2	1,147.28	1/2	1,346.48	1/2	1,545.68	1/2	1,744.88	1/2	1,944.08	1/2	2,143.28	1/2	2,342.48	1/2	2,530.15	1/2		1/2	
3/4	155.71	3/4	354.63	3/4	553.83	3/4	753.03	3/4	952.23	3/4	1,151.43	3/4	1,350.63	3/4	1,549.83	3/4	1,749.03	3/4	1,948.23	3/4	2,147.43	3/4	2,346.63	3/4	2,532.06	3/4		3/4	
10	159.77	10	358.78	10	557.98	10	757.18	10	956.38	10	1,155.58	10	1,354.78	10	1,553.98	10	1,753.18	10	1,952.38	10	2,151.58	10	2,350.78	10	2,533.97	10		10	
1/4	163.83	1/4	362.93	1/4	562.13	1/4	761.33	1/4	960.53	1/4	1,159.73	1/4	1,358.93	1/4	1,558.13	1/4	1,757.33	1/4	1,956.53	1/4	2,155.73	1/4	2,354.93	1/4	2,535.89	1/4		1/4	
1/2	167.88	1/2	367.08	1/2	566.28	1/2	765.48	1/2	964.68	1/2	1,163.88	1/2	1,363.08	1/2	1,562.28	1/2	1,761.48	1/2	1,960.68	1/2	2,159.88	1/2	2,359.08	1/2	2,537.80	1/2		1/2	
3/4	172.03	3/4	371.23	3/4	570.43	3/4	769.63	3/4	968.83	3/4	1,168.03	3/4	1,367.23	3/4	1,566.43	3/4	1,765.63	3/4	1,964.83	3/4	2,164.03	3/4	2,363.23	3/4	2,539.08	3/4		3/4	
11	176.18	11	375.38	11	574.58	11	773.78	11	972.98	11	1,172.18	11	1,371.38	11	1,570.58	11	1,769.78	11	1,968.98	11	2,168.18	11	2,367.38	11	2,540.35	11		11	
1/4	180.33	1/4	379.53	1/4	578.73	1/4	777.93	1/4	977.13	1/4	1,176.33	1/4	1,375.53	1/4	1,574.73	1/4	1,773.93	1/4	1,973.13	1/4	2,172.33	1/4	2,371.53	1/4	2,541.63	1/4		1/4	
1/2	184.48	1/2	383.68	1/2	582.88	1/2	782.08	1/2	981.28	1/2	1,180.48	1/2	1,379.68	1/2	1,578.88	1/2	1,778.08	1/2	1,977.28	1/2	2,176.48	1/2	2,375.68	1/2	2,542.90	1/2		1/2	
3/4	188.63	3/4	387.83	3/4	587.03	3/4	786.23	3/4	985.43	3/4	1,184.63	3/4	1,383.83	3/4	1,583.03	3/4	1,782.23	3/4	1,981.43	3/4	2,180.63	3/4	2,379.83	3/4	2,543.54	3/4		3/4	

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 6/26/07

* CAPACITY BELOW STRIKE POINT

PORT REFERENCE GAUGE HEIGHT : 15'-2 1/2" (RIM OF 8" DIA. HATCH LOCATED NEAR CENTER OF TANK)

STAR REFERENCE GAUGE HEIGHT : 15'-2 3/4" (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

FORM 1/4L15W REV #2 7/98

INSPECTORATE
ISO 9002 ACCREDITED

BARGE "BUFFALO 407"
BUFFALO MARINE SERVICE

INNAGE TABLE

2 PORT OR STAR

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

HULL NO. 2162-3

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	191.11	0	388.78	0	586.44	0	784.10	0	981.77	0	1,179.43	0	1,377.10	0	1,574.76	0	1,772.42	0	1,970.09	0	2,167.75	0	2,365.42	0	2,524.32	0	
1/4	7.81	1/4	195.23	1/4	392.89	1/4	590.56	1/4	788.22	1/4	985.89	1/4	1,183.55	1/4	1,381.21	1/4	1,578.88	1/4	1,776.54	1/4	1,974.21	1/4	2,171.87	1/4	2,369.53	1/4	2,524.95	1/4	
1/2	9.56	1/2	199.35	1/2	397.01	1/2	594.68	1/2	792.34	1/2	990.00	1/2	1,187.67	1/2	1,385.33	1/2	1,583.00	1/2	1,780.66	1/2	1,978.32	1/2	2,175.99	1/2	2,373.65	1/2	2,525.58	1/2	
3/4	12.49	3/4	203.47	3/4	401.13	3/4	598.79	3/4	796.46	3/4	994.12	3/4	1,191.79	3/4	1,389.45	3/4	1,587.11	3/4	1,784.78	3/4	1,982.44	3/4	2,180.11	3/4	2,377.77	3/4	2,525.74	3/4	
1	15.41	1	207.58	1	405.25	1	602.91	1	800.58	1	998.24	1	1,195.90	1	1,393.57	1	1,591.23	1	1,788.90	1	1,986.56	1	2,184.22	1	2,381.89	1	2,525.90	1	
1/4	18.34	1/4	211.70	1/4	409.37	1/4	607.03	1/4	804.69	1/4	1,002.36	1/4	1,200.02	1/4	1,397.69	1/4	1,595.35	1/4	1,793.01	1/4	1,990.68	1/4	2,188.34	1/4	2,386.01	1/4		1/4	
1/2	21.26	1/2	215.82	1/2	413.48	1/2	611.15	1/2	808.81	1/2	1,006.48	1/2	1,204.14	1/2	1,401.80	1/2	1,599.47	1/2	1,797.13	1/2	1,994.80	1/2	2,192.46	1/2	2,390.12	1/2		1/2	
3/4	25.07	3/4	219.94	3/4	417.60	3/4	615.27	3/4	812.93	3/4	1,010.59	3/4	1,208.26	3/4	1,405.92	3/4	1,603.59	3/4	1,801.25	3/4	1,998.91	3/4	2,196.58	3/4	2,394.24	3/4		3/4	
2	28.88	2	224.06	2	421.72	2	619.38	2	817.05	2	1,014.71	2	1,212.38	2	1,410.04	2	1,607.70	2	1,805.37	2	2,003.03	2	2,200.70	2	2,398.36	2		2	
1/4	32.98	1/4	228.17	1/4	425.84	1/4	623.50	1/4	821.17	1/4	1,018.83	1/4	1,216.49	1/4	1,414.16	1/4	1,611.82	1/4	1,809.49	1/4	2,007.15	1/4	2,204.81	1/4	2,402.48	1/4		1/4	
1/2	37.08	1/2	232.29	1/2	429.96	1/2	627.62	1/2	825.28	1/2	1,022.95	1/2	1,220.61	1/2	1,418.28	1/2	1,615.94	1/2	1,813.60	1/2	2,011.27	1/2	2,208.93	1/2	2,406.60	1/2		1/2	
3/4	41.18	3/4	236.41	3/4	434.07	3/4	631.74	3/4	829.40	3/4	1,027.07	3/4	1,224.73	3/4	1,422.39	3/4	1,620.06	3/4	1,817.72	3/4	2,015.39	3/4	2,213.05	3/4	2,410.71	3/4		3/4	
3	45.28	3	240.53	3	438.19	3	635.86	3	833.52	3	1,031.18	3	1,228.85	3	1,426.51	3	1,624.18	3	1,821.84	3	2,019.50	3	2,217.17	3	2,414.83	3		3	
1/4	49.38	1/4	244.65	1/4	442.31	1/4	639.97	1/4	837.64	1/4	1,035.30	1/4	1,232.97	1/4	1,430.63	1/4	1,628.29	1/4	1,825.96	1/4	2,023.62	1/4	2,221.29	1/4	2,418.95	1/4		1/4	
1/2	53.48	1/2	248.76	1/2	446.43	1/2	644.09	1/2	841.76	1/2	1,039.42	1/2	1,237.08	1/2	1,434.75	1/2	1,632.41	1/2	1,830.08	1/2	2,027.74	1/2	2,225.40	1/2	2,423.07	1/2		1/2	
3/4	57.58	3/4	252.88	3/4	450.55	3/4	648.21	3/4	845.87	3/4	1,043.54	3/4	1,241.20	3/4	1,438.87	3/4	1,636.53	3/4	1,834.19	3/4	2,031.86	3/4	2,229.52	3/4	2,427.19	3/4		3/4	
4	61.68	4	257.00	4	454.66	4	652.33	4	849.99	4	1,047.66	4	1,245.32	4	1,442.98	4	1,640.65	4	1,838.31	4	2,035.98	4	2,233.64	4	2,431.30	4		4	
1/4	65.78	1/4	261.12	1/4	458.78	1/4	656.45	1/4	854.11	1/4	1,051.77	1/4	1,249.44	1/4	1,447.10	1/4	1,644.77	1/4	1,842.43	1/4	2,040.09	1/4	2,237.76	1/4	2,435.42	1/4		1/4	
1/2	69.88	1/2	265.24	1/2	462.90	1/2	660.56	1/2	858.23	1/2	1,055.89	1/2	1,253.56	1/2	1,451.22	1/2	1,648.88	1/2	1,846.55	1/2	2,044.21	1/2	2,241.88	1/2	2,439.54	1/2		1/2	
3/4	73.90	3/4	269.35	3/4	467.02	3/4	664.68	3/4	862.35	3/4	1,060.01	3/4	1,257.67	3/4	1,455.34	3/4	1,653.00	3/4	1,850.67	3/4	2,048.33	3/4	2,245.99	3/4	2,443.66	3/4		3/4	
5	77.92	5	273.47	5	471.14	5	668.80	5	866.46	5	1,064.13	5	1,261.79	5	1,459.46	5	1,657.12	5	1,854.78	5	2,052.45	5	2,250.11	5	2,447.78	5		5	
1/4	81.94	1/4	277.59	1/4	475.25	1/4	672.92	1/4	870.58	1/4	1,068.25	1/4	1,265.91	1/4	1,463.57	1/4	1,661.24	1/4	1,858.90	1/4	2,056.57	1/4	2,254.23	1/4	2,451.89	1/4		1/4	
1/2	85.96	1/2	281.71	1/2	479.37	1/2	677.04	1/2	874.70	1/2	1,072.36	1/2	1,270.03	1/2	1,467.69	1/2	1,665.36	1/2	1,863.02	1/2	2,060.68	1/2	2,258.35	1/2	2,456.01	1/2		1/2	
3/4	89.99	3/4	285.83	3/4	483.49	3/4	681.15	3/4	878.82	3/4	1,076.48	3/4	1,274.15	3/4	1,471.81	3/4	1,669.47	3/4	1,867.14	3/4	2,064.80	3/4	2,262.47	3/4	2,460.13	3/4		3/4	
6	94.01	6	289.94	6	487.61	6	685.27	6	882.94	6	1,080.60	6	1,278.26	6	1,475.93	6	1,673.59	6	1,871.26	6	2,068.92	6	2,266.58	6	2,464.25	6		6	
1/4	98.03	1/4	294.06	1/4	491.73	1/4	689.39	1/4	887.05	1/4	1,084.72	1/4	1,282.38	1/4	1,480.05	1/4	1,677.71	1/4	1,875.37	1/4	2,073.04	1/4	2,270.70	1/4	2,468.37	1/4		1/4	
1/2	102.05	1/2	298.18	1/2	495.84	1/2	693.51	1/2	891.17	1/2	1,088.84	1/2	1,286.50	1/2	1,484.16	1/2	1,681.83	1/2	1,879.49	1/2	2,077.16	1/2	2,274.82	1/2	2,472.48	1/2		1/2	
3/4	106.07	3/4	302.30	3/4	499.96	3/4	697.63	3/4	895.29	3/4	1,092.95	3/4	1,290.62	3/4	1,488.28	3/4	1,685.95	3/4	1,883.61	3/4	2,081.27	3/4	2,278.94	3/4	2,476.28	3/4		3/4	
7	110.10	7	306.42	7	504.08	7	701.74	7	899.41	7	1,097.07	7	1,294.74	7	1,492.40	7	1,690.06	7	1,887.73	7	2,085.39	7	2,283.06	7	2,480.07	7		7	
1/4	114.12	1/4	310.53	1/4	508.20	1/4	705.86	1/4	903.53	1/4	1,101.19	1/4	1,298.85	1/4	1,496.52	1/4	1,694.18	1/4	1,891.85	1/4	2,089.51	1/4	2,287.17	1/4	2,483.86	1/4		1/4	
1/2	118.14	1/2	314.65	1/2	512.32	1/2	709.98	1/2	907.64	1/2	1,105.31	1/2	1,302.97	1/2	1,500.64	1/2	1,698.30	1/2	1,895.96	1/2	2,093.63	1/2	2,291.29	1/2	2,487.65	1/2		1/2	
3/4	122.16	3/4	318.77	3/4	516.43	3/4	714.10	3/4	911.76	3/4	1,109.43	3/4	1,307.09	3/4	1,504.75	3/4	1,702.42	3/4	1,900.08	3/4	2,097.75	3/4	2,295.41	3/4	2,490.81	3/4		3/4	
8	126.18	8	322.89	8	520.55	8	718.22	8	915.88	8	1,113.54	8	1,311.21	8	1,508.87	8	1,706.54	8	1,904.20	8	2,101.86	8	2,299.53	8	2,493.97	8		8	
1/4	130.21	1/4	327.01	1/4	524.67	1/4	722.33	1/4	920.00	1/4	1,117.66	1/4	1,315.33	1/4	1,512.99	1/4	1,710.65	1/4	1,908.32	1/4	2,105.98	1/4	2,303.65	1/4	2,497.13	1/4		1/4	
1/2	134.23	1/2	331.12	1/2	528.79	1/2	726.45	1/2	924.12	1/2	1,121.78	1/2	1,319.44	1/2	1,517.11	1/2	1,714.77	1/2	1,912.44	1/2	2,110.10	1/2	2,307.76	1/2	2,500.30	1/2		1/2	
3/4	138.25	3/4	335.24	3/4	532.91	3/4	730.57	3/4	928.23	3/4	1,125.90	3/4	1,323.56	3/4	1,521.23	3/4	1,718.89	3/4	1,916.55	3/4	2,114.22	3/4	2,311.88	3/4	2,502.82	3/4		3/4	
9	142.27	9	339.36	9	537.02	9	734.69	9	932.35	9	1,130.02	9	1,327.68	9	1,525.34	9	1,723.01	9	1,920.67	9	2,118.34	9	2,316.00	9	2,505.35	9		9	
1/4	146.29	1/4	343.48	1/4	541.14	1/4	738.81	1/4	936.47	1/4	1,134.13	1/4	1,331.80	1/4	1,529.46	1/4	1,727.13	1/4	1,924.79	1/4	2,122.45	1/4	2,320.12	1/4	2,507.88	1/4		1/4	
1/2	150.32	1/2	347.60	1/2	545.26	1/2	742.92	1/2	940.59	1/2	1,138.25	1/2	1,335.92	1/2	1,533.58	1/2	1,731.24	1/2	1,928.91	1/2	2,126.57	1/2	2,324.24	1/2	2,510.41	1/2		1/2	
3/4	154.34	3/4	351.71	3/4	549.38	3/4	747.04	3/4	944.71	3/4	1,142.37	3/4	1,340.03	3/4	1,537.70	3/4	1,735.36	3/4	1,933.03	3/4	2,130.69	3/4	2,328.35	3/4	2,512.31	3/4		3/4	
10	158.36	10	355.83	10	553.50	10	751.16	10	948.82	10	1,146.49	10	1,344.15	10	1,541.82	10	1,739.48	10	1,937.14	10	2,134.81	10	2,332.47	10	2,514.20	10		10	
1/4	162.38	1/4	359.95	1/4	557.61	1/4	755.28	1/4	952.94	1/4	1,150.61	1/4	1,348.27	1/4	1,545.93	1/4	1,743.60	1/4	1,941.26	1/4	2,138.93	1/4	2,336.59	1/4	2,516.10	1/4		1/4	
1/2	166.40	1/2	364.07	1/2	561.73	1/2	759.40	1/2	957.06	1/2	1,154.72	1/2	1,352.39	1/2	1,550.05	1/2	1,747.72	1/2	1,945.38	1/2	2,143.04	1/2	2,340.71	1/2	2,518.00	1/2		1/2	
3/4	170.52	3/4	368.19	3/4	565.85	3/4	763.51	3/4	961.18	3/4	1,158.84	3/4	1,356.51	3/4	1,554.17	3/4	1,751.83	3/4	1,949.50	3/4	2,147.16	3/4	2,344.83	3/4	2,519.26	3/4		3/4	
11	174.64	11	372.30	11	569.97	11	767.63	11	965.30	11	1,162.96	11	1,360.62	11	1,558.29	11	1,755.95	11	1,953.62	11	2,151.28	11	2,348.94	11	2,520.52	11		11	
1/4	178.76	1/4	376.42	1/4	574.09	1/4	771.75	1/4	969.41	1/4	1,167.08	1/4	1,364.74	1/4	1,562.41	1/4	1,760.07	1/4	1,957.73	1/4	2,155.40	1/4	2,353.06	1/4	2,521.79	1/4		1/4	
1/2	182.88	1/2	380.54	1/2	578.20	1/2	775.87	1/2	973.53	1/2	1,171.20	1/2	1,368.86	1/2	1,566.52	1/2	1,764.19	1/2	1,961.85	1/2	2,159.52	1/2	2,357.18	1/2	2,523.05	1/2		1/2	
3/4	186.99	3/4	384.66	3/4	582.32	3/4	779.99	3/4	977.65	3/4	1,175.31	3/4	1,372.98	3/4	1,570.64	3/4	1,768.31	3/4	1,965.97	3/4	2,163.63	3/4	2,361.30	3/4	2,523.68	3/4		3/4	

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 6/28/07

* CAPACITY BELOW STRIKE POINT

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

FORM 1/4L1SW REV #2 7/98

INSPECTORATE
ISO 9002 ACCREDITED

BARGE "BUFFALO 407"
BUFFALO MARINE SERVICE

INNAGE TABLE

3 PORT OR STAR

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

HULL NO. 2162-3

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	197.13	0	400.70	0	604.27	0	807.84	0	1,011.40	0	1,214.97	0	1,418.54	0	1,622.11	0	1,825.68	0	2,029.24	0	2,232.81	0	2,436.38	0	2,600.12	0	
1/4	8.05	1/4	201.37	1/4	404.94	1/4	608.51	1/4	812.08	1/4	1,015.65	1/4	1,219.21	1/4	1,422.78	1/4	1,626.35	1/4	1,829.92	1/4	2,033.48	1/4	2,237.05	1/4	2,440.62	1/4	2,600.77	1/4	
1/2	9.86	1/2	205.61	1/2	409.18	1/2	612.75	1/2	816.32	1/2	1,019.89	1/2	1,223.45	1/2	1,427.02	1/2	1,630.59	1/2	1,834.16	1/2	2,037.73	1/2	2,241.29	1/2	2,444.86	1/2	2,601.43	1/2	
3/4	12.88	3/4	209.86	3/4	413.42	3/4	616.99	3/4	820.56	3/4	1,024.13	3/4	1,227.70	3/4	1,431.26	3/4	1,634.83	3/4	1,838.40	3/4	2,041.97	3/4	2,245.53	3/4	2,449.10	3/4	2,601.59	3/4	
1	15.89	1	214.10	1	417.66	1	621.23	1	824.80	1	1,028.37	1	1,231.94	1	1,435.50	1	1,639.07	1	1,842.64	1	2,046.21	1	2,249.78	1	2,453.34	1	2,601.75	1	
1/4	18.91	1/4	218.34	1/4	421.90	1/4	625.47	1/4	829.04	1/4	1,032.61	1/4	1,236.18	1/4	1,439.75	1/4	1,643.31	1/4	1,846.88	1/4	2,050.45	1/4	2,254.02	1/4	2,457.58	1/4		1/4	
1/2	21.93	1/2	222.58	1/2	426.15	1/2	629.71	1/2	833.28	1/2	1,036.85	1/2	1,240.42	1/2	1,443.99	1/2	1,647.55	1/2	1,851.12	1/2	2,054.69	1/2	2,258.26	1/2	2,461.83	1/2		1/2	
3/4	25.86	3/4	226.82	3/4	430.39	3/4	633.95	3/4	837.52	3/4	1,041.09	3/4	1,244.66	3/4	1,448.23	3/4	1,651.80	3/4	1,855.36	3/4	2,058.93	3/4	2,262.50	3/4	2,466.07	3/4		3/4	
2	29.79	2	231.06	2	434.63	2	638.20	2	841.76	2	1,045.33	2	1,248.90	2	1,452.47	2	1,656.04	2	1,859.60	2	2,063.17	2	2,266.74	2	2,470.31	2		2	
1/4	34.02	1/4	235.30	1/4	438.87	1/4	642.44	1/4	846.00	1/4	1,049.57	1/4	1,253.14	1/4	1,456.71	1/4	1,660.28	1/4	1,863.84	1/4	2,067.41	1/4	2,270.98	1/4	2,474.55	1/4		1/4	
1/2	38.25	1/2	239.54	1/2	443.11	1/2	646.68	1/2	850.25	1/2	1,053.81	1/2	1,257.38	1/2	1,460.95	1/2	1,664.52	1/2	1,868.09	1/2	2,071.65	1/2	2,275.22	1/2	2,478.79	1/2		1/2	
3/4	42.48	3/4	243.78	3/4	447.35	3/4	650.92	3/4	854.49	3/4	1,058.06	3/4	1,261.62	3/4	1,465.19	3/4	1,668.76	3/4	1,872.33	3/4	2,075.89	3/4	2,279.46	3/4	2,483.03	3/4		3/4	
3	46.71	3	248.02	3	451.59	3	655.16	3	858.73	3	1,062.30	3	1,265.86	3	1,469.43	3	1,673.00	3	1,876.57	3	2,080.14	3	2,283.70	3	2,487.27	3		3	
1/4	50.94	1/4	252.27	1/4	455.83	1/4	659.40	1/4	862.97	1/4	1,066.54	1/4	1,270.11	1/4	1,473.67	1/4	1,677.24	1/4	1,880.81	1/4	2,084.38	1/4	2,287.94	1/4	2,491.51	1/4		1/4	
1/2	55.17	1/2	256.51	1/2	460.07	1/2	663.64	1/2	867.21	1/2	1,070.78	1/2	1,274.35	1/2	1,477.91	1/2	1,681.48	1/2	1,885.05	1/2	2,088.62	1/2	2,292.19	1/2	2,495.75	1/2		1/2	
3/4	59.40	3/4	260.75	3/4	464.31	3/4	667.88	3/4	871.45	3/4	1,075.02	3/4	1,278.59	3/4	1,482.16	3/4	1,685.72	3/4	1,889.29	3/4	2,092.86	3/4	2,296.43	3/4	2,499.99	3/4		3/4	
4	63.63	4	264.99	4	468.56	4	672.12	4	875.69	4	1,079.26	4	1,282.83	4	1,486.40	4	1,689.96	4	1,893.53	4	2,097.10	4	2,300.67	4	2,504.24	4		4	
1/4	67.86	1/4	269.23	1/4	472.80	1/4	676.36	1/4	879.93	1/4	1,083.50	1/4	1,287.07	1/4	1,490.64	1/4	1,694.21	1/4	1,897.77	1/4	2,101.34	1/4	2,304.91	1/4	2,508.48	1/4		1/4	
1/2	72.09	1/2	273.47	1/2	477.04	1/2	680.61	1/2	884.17	1/2	1,087.74	1/2	1,291.31	1/2	1,494.88	1/2	1,698.45	1/2	1,902.01	1/2	2,105.58	1/2	2,309.15	1/2	2,512.72	1/2		1/2	
3/4	76.24	3/4	277.71	3/4	481.28	3/4	684.85	3/4	888.41	3/4	1,091.98	3/4	1,295.55	3/4	1,499.12	3/4	1,702.69	3/4	1,906.25	3/4	2,109.82	3/4	2,313.39	3/4	2,516.96	3/4		3/4	
5	80.39	5	281.95	5	485.52	5	689.09	5	892.66	5	1,096.22	5	1,299.79	5	1,503.36	5	1,706.93	5	1,910.50	5	2,114.06	5	2,317.63	5	2,521.20	5		5	
1/4	84.54	1/4	286.19	1/4	489.76	1/4	693.33	1/4	896.90	1/4	1,100.47	1/4	1,304.03	1/4	1,507.60	1/4	1,711.17	1/4	1,914.74	1/4	2,118.30	1/4	2,321.87	1/4	2,525.44	1/4		1/4	
1/2	88.69	1/2	290.43	1/2	494.00	1/2	697.57	1/2	901.14	1/2	1,104.71	1/2	1,308.27	1/2	1,511.84	1/2	1,715.41	1/2	1,918.98	1/2	2,122.55	1/2	2,326.11	1/2	2,529.68	1/2		1/2	
3/4	92.84	3/4	294.68	3/4	498.24	3/4	701.81	3/4	905.38	3/4	1,108.95	3/4	1,312.52	3/4	1,516.08	3/4	1,719.65	3/4	1,923.22	3/4	2,126.79	3/4	2,330.35	3/4	2,533.92	3/4		3/4	
6	96.99	6	298.92	6	502.48	6	706.05	6	909.62	6	1,113.19	6	1,316.76	6	1,520.32	6	1,723.89	6	1,927.46	6	2,131.03	6	2,334.60	6	2,538.16	6		6	
1/4	101.14	1/4	303.16	1/4	506.72	1/4	710.29	1/4	913.86	1/4	1,117.43	1/4	1,321.00	1/4	1,524.57	1/4	1,728.13	1/4	1,931.70	1/4	2,135.27	1/4	2,338.84	1/4	2,542.40	1/4		1/4	
1/2	105.29	1/2	307.40	1/2	510.97	1/2	714.53	1/2	918.10	1/2	1,121.67	1/2	1,325.24	1/2	1,528.81	1/2	1,732.37	1/2	1,935.94	1/2	2,139.51	1/2	2,343.08	1/2	2,546.65	1/2		1/2	
3/4	109.44	3/4	311.64	3/4	515.21	3/4	718.77	3/4	922.34	3/4	1,125.91	3/4	1,329.48	3/4	1,533.05	3/4	1,736.62	3/4	1,940.18	3/4	2,143.75	3/4	2,347.32	3/4	2,550.56	3/4		3/4	
7	113.59	7	315.88	7	519.45	7	723.02	7	926.58	7	1,130.15	7	1,333.72	7	1,537.29	7	1,740.86	7	1,944.42	7	2,147.99	7	2,351.56	7	2,554.47	7		7	
1/4	117.74	1/4	320.12	1/4	523.69	1/4	727.26	1/4	930.82	1/4	1,134.39	1/4	1,337.96	1/4	1,541.53	1/4	1,745.10	1/4	1,948.66	1/4	2,152.23	1/4	2,355.80	1/4	2,558.38	1/4		1/4	
1/2	121.89	1/2	324.36	1/2	527.93	1/2	731.50	1/2	935.07	1/2	1,138.63	1/2	1,342.20	1/2	1,545.77	1/2	1,749.34	1/2	1,952.91	1/2	2,156.47	1/2	2,360.04	1/2	2,562.30	1/2		1/2	
3/4	126.04	3/4	328.60	3/4	532.17	3/4	735.74	3/4	939.31	3/4	1,142.88	3/4	1,346.44	3/4	1,550.01	3/4	1,753.58	3/4	1,957.15	3/4	2,160.71	3/4	2,364.28	3/4	2,565.56	3/4		3/4	
8	130.19	8	332.84	8	536.41	8	739.98	8	943.55	8	1,147.12	8	1,350.68	8	1,554.25	8	1,757.82	8	1,961.39	8	2,164.96	8	2,368.52	8	2,568.82	8		8	
1/4	134.34	1/4	337.09	1/4	540.65	1/4	744.22	1/4	947.79	1/4	1,151.36	1/4	1,354.93	1/4	1,558.49	1/4	1,762.06	1/4	1,965.63	1/4	2,169.20	1/4	2,372.76	1/4	2,572.08	1/4		1/4	
1/2	138.49	1/2	341.33	1/2	544.89	1/2	748.46	1/2	952.03	1/2	1,155.60	1/2	1,359.17	1/2	1,562.73	1/2	1,766.30	1/2	1,969.87	1/2	2,173.44	1/2	2,377.01	1/2	2,575.34	1/2		1/2	
3/4	142.64	3/4	345.57	3/4	549.13	3/4	752.70	3/4	956.27	3/4	1,159.84	3/4	1,363.41	3/4	1,566.98	3/4	1,770.54	3/4	1,974.11	3/4	2,177.68	3/4	2,381.25	3/4	2,577.95	3/4		3/4	
9	146.79	9	349.81	9	553.38	9	756.94	9	960.51	9	1,164.08	9	1,367.65	9	1,571.22	9	1,774.78	9	1,978.35	9	2,181.92	9	2,385.49	9	2,580.56	9		9	
1/4	150.94	1/4	354.05	1/4	557.62	1/4	761.18	1/4	964.75	1/4	1,168.32	1/4	1,371.89	1/4	1,575.46	1/4	1,779.02	1/4	1,982.59	1/4	2,186.16	1/4	2,389.73	1/4	2,583.17	1/4		1/4	
1/2	155.09	1/2	358.29	1/2	561.86	1/2	765.43	1/2	968.99	1/2	1,172.56	1/2	1,376.13	1/2	1,579.70	1/2	1,783.27	1/2	1,986.83	1/2	2,190.40	1/2	2,393.97	1/2	2,585.78	1/2		1/2	
3/4	159.24	3/4	362.53	3/4	566.10	3/4	769.67	3/4	973.23	3/4	1,176.80	3/4	1,380.37	3/4	1,583.94	3/4	1,787.51	3/4	1,991.07	3/4	2,194.64	3/4	2,398.21	3/4	2,587.73	3/4		3/4	
10	163.39	10	366.77	10	570.34	10	773.91	10	977.48	10	1,181.04	10	1,384.61	10	1,588.18	10	1,791.75	10	1,995.32	10	2,198.88	10	2,402.45	10	2,589.69	10		10	
1/4	167.54	1/4	371.01	1/4	574.58	1/4	778.15	1/4	981.72	1/4	1,185.29	1/4	1,388.85	1/4	1,592.42	1/4	1,795.99	1/4	1,999.56	1/4	2,203.12	1/4	2,406.69	1/4	2,591.65	1/4		1/4	
1/2	171.69	1/2	375.25	1/2	578.82	1/2	782.39	1/2	985.96	1/2	1,189.53	1/2	1,393.09	1/2	1,596.66	1/2	1,800.23	1/2	2,003.80	1/2	2,207.37	1/2	2,410.93	1/2	2,593.60	1/2		1/2	
3/4	175.93	3/4	379.49	3/4	583.06	3/4	786.63	3/4	990.20	3/4	1,193.77	3/4	1,397.34	3/4	1,600.90	3/4	1,804.47	3/4	2,008.04	3/4	2,211.61	3/4	2,415.17	3/4	2,594.91	3/4		3/4	
11	180.17	11	383.74	11	587.30	11	790.87	11	994.44	11	1,198.01	11	1,401.58	11	1,605.14	11	1,808.71	11	2,012.28	11	2,215.85	11	2,419.42	11	2,596.21	11		11	
1/4	184.41	1/4	387.98	1/4	591.54	1/4	795.11	1/4	998.68	1/4	1,202.25	1/4	1,405.82	1/4	1,609.39	1/4	1,812.95	1/4	2,016.52	1/4	2,220.09	1/4	2,423.66	1/4	2,597.51	1/4		1/4	
1/2	188.65	1/2	392.22	1/2	595.79	1/2	799.35	1/2	1,002.92	1/2	1,206.49	1/2	1,410.06	1/2	1,613.63	1/2	1,817.19	1/2	2,020.76	1/2	2,224.33	1/2	2,427.90	1/2	2,598.82	1/2		1/2	
3/4	192.89	3/4	396.46	3/4	600.03	3/4	803.59	3/4	1,007.16	3/4	1,210.73	3/4	1,414.30	3/4	1,617.87	3/4	1,821.43	3/4	2,025.00	3/4	2,228.57	3/4	2,432.14	3/4	2,599.47	3/4		3/4	

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 6/28/07

* CAPACITY BELOW STRIKE POINT

REFERENCE GAUGE HEIGHT : 15'-2 3/4" (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

FORM 1/4L15W REV #2 7/98

INSPECTORATE
ISO 9002 ACCREDITED

BARGE "BUFFALO 407"
BUFFALO MARINE SERVICE

INNAGE TABLE

4 PORT OR STAR

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

HULL NO. 2162-3

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	* 6.07	0	191.35	0	388.73	0	586.10	0	783.48	0	980.86	0	1,178.23	0	1,375.61	0	1,572.98	0	1,770.36	0	1,967.74	0	2,165.11	0	2,362.49	0	2,521.31	0	
1/4	7.82	1/4	195.46	1/4	392.84	1/4	590.22	1/4	787.59	1/4	984.97	1/4	1,182.34	1/4	1,379.72	1/4	1,577.10	1/4	1,774.47	1/4	1,971.85	1/4	2,169.22	1/4	2,366.60	1/4	2,521.95	1/4	
1/2	9.58	1/2	199.58	1/2	396.95	1/2	594.33	1/2	791.70	1/2	989.08	1/2	1,186.46	1/2	1,383.83	1/2	1,581.21	1/2	1,778.58	1/2	1,975.96	1/2	2,173.34	1/2	2,370.71	1/2	2,522.58	1/2	
3/4	12.51	3/4	203.69	3/4	401.06	3/4	598.44	3/4	795.82	3/4	993.19	3/4	1,190.57	3/4	1,387.94	3/4	1,585.32	3/4	1,782.70	3/4	1,980.07	3/4	2,177.45	3/4	2,374.82	3/4	2,522.74	3/4	
1	15.44	1	207.80	1	405.18	1	602.55	1	799.93	1	997.30	1	1,194.68	1	1,392.06	1	1,589.43	1	1,786.81	1	1,984.18	1	2,181.56	1	2,378.94	1	2,522.90	1	
1/4	18.37	1/4	211.91	1/4	409.29	1/4	606.66	1/4	804.04	1/4	1,001.42	1/4	1,198.79	1/4	1,396.17	1/4	1,593.54	1/4	1,790.92	1/4	1,988.30	1/4	2,185.67	1/4	2,383.05	1/4		1/4	
1/2	21.30	1/2	216.02	1/2	413.40	1/2	610.78	1/2	808.15	1/2	1,005.53	1/2	1,202.90	1/2	1,400.28	1/2	1,597.66	1/2	1,795.03	1/2	1,992.41	1/2	2,189.78	1/2	2,387.16	1/2		1/2	
3/4	25.11	3/4	220.14	3/4	417.51	3/4	614.89	3/4	812.26	3/4	1,009.64	3/4	1,207.02	3/4	1,404.39	3/4	1,601.77	3/4	1,799.14	3/4	1,996.52	3/4	2,193.90	3/4	2,391.27	3/4		3/4	
2	28.92	2	224.25	2	421.62	2	619.00	2	816.38	2	1,013.75	2	1,211.13	2	1,408.50	2	1,605.88	2	1,803.26	2	2,000.63	2	2,198.01	2	2,395.38	2		2	
1/4	33.03	1/4	228.36	1/4	425.74	1/4	623.11	1/4	820.49	1/4	1,017.86	1/4	1,215.24	1/4	1,412.62	1/4	1,609.99	1/4	1,807.37	1/4	2,004.74	1/4	2,202.12	1/4	2,399.50	1/4		1/4	
1/2	37.14	1/2	232.47	1/2	429.85	1/2	627.22	1/2	824.60	1/2	1,021.98	1/2	1,219.35	1/2	1,416.73	1/2	1,614.10	1/2	1,811.48	1/2	2,008.86	1/2	2,206.23	1/2	2,403.61	1/2		1/2	
3/4	41.24	3/4	236.58	3/4	433.96	3/4	631.34	3/4	828.71	3/4	1,026.09	3/4	1,223.46	3/4	1,420.84	3/4	1,618.22	3/4	1,815.59	3/4	2,012.97	3/4	2,210.34	3/4	2,407.72	3/4		3/4	
3	45.35	3	240.70	3	438.07	3	635.45	3	832.82	3	1,030.20	3	1,227.58	3	1,424.95	3	1,622.33	3	1,819.70	3	2,017.08	3	2,214.46	3	2,411.83	3		3	
1/4	49.45	1/4	244.81	1/4	442.18	1/4	639.56	1/4	836.94	1/4	1,034.31	1/4	1,231.69	1/4	1,429.06	1/4	1,626.44	1/4	1,823.82	1/4	2,021.19	1/4	2,218.57	1/4	2,415.94	1/4		1/4	
1/2	53.56	1/2	248.92	1/2	446.30	1/2	643.67	1/2	841.05	1/2	1,038.42	1/2	1,235.80	1/2	1,433.18	1/2	1,630.55	1/2	1,827.93	1/2	2,025.30	1/2	2,222.68	1/2	2,420.06	1/2		1/2	
3/4	57.67	3/4	253.03	3/4	450.41	3/4	647.78	3/4	845.16	3/4	1,042.54	3/4	1,239.91	3/4	1,437.29	3/4	1,634.66	3/4	1,832.04	3/4	2,029.42	3/4	2,226.79	3/4	2,424.17	3/4		3/4	
4	61.77	4	257.14	4	454.52	4	651.90	4	849.27	4	1,046.65	4	1,244.02	4	1,441.40	4	1,638.78	4	1,836.15	4	2,033.53	4	2,230.90	4	2,428.28	4		4	
1/4	65.88	1/4	261.26	1/4	458.63	1/4	656.01	1/4	853.38	1/4	1,050.76	1/4	1,248.14	1/4	1,445.51	1/4	1,642.89	1/4	1,840.26	1/4	2,037.64	1/4	2,235.02	1/4	2,432.39	1/4		1/4	
1/2	69.98	1/2	265.37	1/2	462.74	1/2	660.12	1/2	857.50	1/2	1,054.87	1/2	1,252.25	1/2	1,449.62	1/2	1,647.00	1/2	1,844.38	1/2	2,041.75	1/2	2,239.13	1/2	2,436.50	1/2		1/2	
3/4	74.01	3/4	269.48	3/4	466.86	3/4	664.23	3/4	861.61	3/4	1,058.98	3/4	1,256.36	3/4	1,453.74	3/4	1,651.11	3/4	1,848.49	3/4	2,045.86	3/4	2,243.24	3/4	2,440.62	3/4		3/4	
5	78.04	5	273.59	5	470.97	5	668.34	5	865.72	5	1,063.10	5	1,260.47	5	1,457.85	5	1,655.22	5	1,852.60	5	2,049.98	5	2,247.35	5	2,444.73	5		5	
1/4	82.07	1/4	277.70	1/4	475.08	1/4	672.46	1/4	869.83	1/4	1,067.21	1/4	1,264.58	1/4	1,461.96	1/4	1,659.34	1/4	1,856.71	1/4	2,054.09	1/4	2,251.46	1/4	2,448.84	1/4		1/4	
1/2	86.10	1/2	281.82	1/2	479.19	1/2	676.57	1/2	873.94	1/2	1,071.32	1/2	1,268.70	1/2	1,466.07	1/2	1,663.45	1/2	1,860.82	1/2	2,058.20	1/2	2,255.58	1/2	2,452.95	1/2		1/2	
3/4	90.13	3/4	285.93	3/4	483.30	3/4	680.68	3/4	878.06	3/4	1,075.43	3/4	1,272.81	3/4	1,470.18	3/4	1,667.56	3/4	1,864.94	3/4	2,062.31	3/4	2,259.69	3/4	2,457.06	3/4		3/4	
6	94.16	6	290.04	6	487.42	6	684.79	6	882.17	6	1,079.54	6	1,276.92	6	1,474.30	6	1,671.67	6	1,869.05	6	2,066.42	6	2,263.80	6	2,461.18	6		6	
1/4	98.19	1/4	294.15	1/4	491.53	1/4	688.90	1/4	886.28	1/4	1,083.66	1/4	1,281.03	1/4	1,478.41	1/4	1,675.78	1/4	1,873.16	1/4	2,070.54	1/4	2,267.91	1/4	2,465.29	1/4		1/4	
1/2	102.22	1/2	298.26	1/2	495.64	1/2	693.02	1/2	890.39	1/2	1,087.77	1/2	1,285.14	1/2	1,482.52	1/2	1,679.90	1/2	1,877.27	1/2	2,074.65	1/2	2,272.02	1/2	2,469.40	1/2		1/2	
3/4	106.25	3/4	302.38	3/4	499.75	3/4	697.13	3/4	894.50	3/4	1,091.88	3/4	1,289.26	3/4	1,486.63	3/4	1,684.01	3/4	1,881.38	3/4	2,078.76	3/4	2,276.14	3/4	2,473.20	3/4		3/4	
7	110.27	7	306.49	7	503.86	7	701.24	7	898.62	7	1,095.99	7	1,293.37	7	1,490.74	7	1,688.12	7	1,885.50	7	2,082.87	7	2,280.25	7	2,477.00	7		7	
1/4	114.30	1/4	310.60	1/4	507.98	1/4	705.35	1/4	902.73	1/4	1,100.10	1/4	1,297.48	1/4	1,494.86	1/4	1,692.23	1/4	1,889.61	1/4	2,086.98	1/4	2,284.36	1/4	2,480.79	1/4		1/4	
1/2	118.33	1/2	314.71	1/2	512.09	1/2	709.46	1/2	906.84	1/2	1,104.22	1/2	1,301.59	1/2	1,498.97	1/2	1,696.34	1/2	1,893.72	1/2	2,091.10	1/2	2,288.47	1/2	2,484.59	1/2		1/2	
3/4	122.36	3/4	318.82	3/4	516.20	3/4	713.58	3/4	910.95	3/4	1,108.33	3/4	1,305.70	3/4	1,503.08	3/4	1,700.46	3/4	1,897.83	3/4	2,095.21	3/4	2,292.58	3/4	2,487.76	3/4		3/4	
8	126.39	8	322.94	8	520.31	8	717.69	8	915.06	8	1,112.44	8	1,309.82	8	1,507.19	8	1,704.57	8	1,901.94	8	2,099.32	8	2,296.70	8	2,490.92	8		8	
1/4	130.42	1/4	327.05	1/4	524.42	1/4	721.80	1/4	919.18	1/4	1,116.55	1/4	1,313.93	1/4	1,511.30	1/4	1,708.68	1/4	1,906.06	1/4	2,103.43	1/4	2,300.81	1/4	2,494.09	1/4		1/4	
1/2	134.45	1/2	331.16	1/2	528.54	1/2	725.91	1/2	923.29	1/2	1,120.66	1/2	1,318.04	1/2	1,515.42	1/2	1,712.79	1/2	1,910.17	1/2	2,107.54	1/2	2,304.92	1/2	2,497.26	1/2		1/2	
3/4	138.48	3/4	335.27	3/4	532.65	3/4	730.02	3/4	927.40	3/4	1,124.78	3/4	1,322.15	3/4	1,519.53	3/4	1,716.90	3/4	1,914.28	3/4	2,111.66	3/4	2,309.03	3/4	2,499.79	3/4		3/4	
9	142.51	9	339.38	9	536.76	9	734.14	9	931.51	9	1,128.89	9	1,326.26	9	1,523.64	9	1,721.02	9	1,918.39	9	2,115.77	9	2,313.14	9	2,502.32	9		9	
1/4	146.54	1/4	343.50	1/4	540.87	1/4	738.25	1/4	935.62	1/4	1,133.00	1/4	1,330.38	1/4	1,527.75	1/4	1,725.13	1/4	1,922.50	1/4	2,119.88	1/4	2,317.26	1/4	2,504.86	1/4		1/4	
1/2	150.56	1/2	347.61	1/2	544.98	1/2	742.36	1/2	939.74	1/2	1,137.11	1/2	1,334.49	1/2	1,531.86	1/2	1,729.24	1/2	1,926.62	1/2	2,123.99	1/2	2,321.37	1/2	2,507.39	1/2		1/2	
3/4	154.59	3/4	351.72	3/4	549.10	3/4	746.47	3/4	943.85	3/4	1,141.22	3/4	1,338.60	3/4	1,535.98	3/4	1,733.35	3/4	1,930.73	3/4	2,128.10	3/4	2,325.48	3/4	2,509.29	3/4		3/4	
10	158.62	10	355.83	10	553.21	10	750.58	10	947.96	10	1,145.34	10	1,342.71	10	1,540.09	10	1,737.46	10	1,934.84	10	2,132.22	10	2,329.59	10	2,511.19	10		10	
1/4	162.65	1/4	359.94	1/4	557.32	1/4	754.70	1/4	952.07	1/4	1,149.45	1/4	1,346.82	1/4	1,544.20	1/4	1,741.58	1/4	1,938.95	1/4	2,136.33	1/4	2,333.70	1/4	2,513.09	1/4		1/4	
1/2	166.68	1/2	364.06	1/2	561.43	1/2	758.81	1/2	956.18	1/2	1,153.56	1/2	1,350.94	1/2	1,548.31	1/2	1,745.69	1/2	1,943.06	1/2	2,140.44	1/2	2,337.82	1/2	2,514.98	1/2		1/2	
3/4	170.79	3/4	368.17	3/4	565.54	3/4	762.92	3/4	960.30	3/4	1,157.67	3/4	1,355.05	3/4	1,552.42	3/4	1,749.80	3/4	1,947.18	3/4	2,144.55	3/4	2,341.93	3/4	2,516.25	3/4		3/4	
11	174.90	11	372.28	11	569.66	11	767.03	11	964.41	11	1,161.78	11	1,359.16	11	1,556.54	11	1,753.91	11	1,951.29	11	2,148.66	11	2,346.04	11	2,517.52	11		11	
1/4	179.02	1/4	376.39	1/4	573.77	1/4	771.14	1/4	968.52	1/4	1,165.90	1/4	1,363.27	1/4	1,560.65	1/4	1,758.02	1/4	1,955.40	1/4	2,152.78	1/4	2,350.15	1/4	2,518.78	1/4		1/4	
1/2	183.13	1/2	380.50	1/2	577.88	1/2	775.26	1/2	972.63	1/2	1,170.01	1/2	1,367.38	1/2	1,564.76	1/2	1,762.14	1/2	1,959.51	1/2	2,156.89	1/2	2,354.26	1/2	2,520.05	1/2		1/2	
3/4	187.24	3/4	384.62	3/4	581.99	3/4	779.37	3/4	976.74	3/4	1,174.12	3/4	1,371.50	3/4	1,568.87	3/4	1,766.25	3/4	1,963.62	3/4	2,161.00	3/4	2,358.38	3/4	2,520.68	3/4		3/4	

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 6/28/07

* CAPACITY BELOW STRIKE POINT

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

STAR REFERENCE GAUGE HEIGHT : 15'-2 3/4" (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

FORM 1/4L15W REV #2 7/98

INSPECTORATE
ISO 9002 ACCREDITED

BARGE "BUFFALO 407"
BUFFALO MARINE SERVICE

INNAGE TABLE

5 PORT OR STAR

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

HULL NO. 2162-3

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	191.07	0	388.40	0	585.73	0	783.05	0	980.38	0	1,177.71	0	1,375.04	0	1,572.37	0	1,769.69	0	1,967.02	0	2,164.35	0	2,361.68	0	2,520.40	0	
1/4	7.81	1/4	195.18	1/4	392.51	1/4	589.84	1/4	787.16	1/4	984.49	1/4	1,181.82	1/4	1,379.15	1/4	1,576.48	1/4	1,773.81	1/4	1,971.13	1/4	2,168.46	1/4	2,365.79	1/4	2,521.03	1/4	
1/2	9.56	1/2	199.29	1/2	396.62	1/2	593.95	1/2	791.28	1/2	988.60	1/2	1,185.93	1/2	1,383.26	1/2	1,580.59	1/2	1,777.92	1/2	1,975.24	1/2	2,172.57	1/2	2,369.90	1/2	2,521.66	1/2	
3/4	12.49	3/4	203.40	3/4	400.73	3/4	598.06	3/4	795.39	3/4	992.71	3/4	1,190.04	3/4	1,387.37	3/4	1,584.70	3/4	1,782.03	3/4	1,979.36	3/4	2,176.68	3/4	2,374.01	3/4	2,521.82	3/4	
1	15.41	1	207.51	1	404.84	1	602.17	1	799.50	1	996.83	1	1,194.15	1	1,391.48	1	1,588.81	1	1,786.14	1	1,983.47	1	2,180.79	1	2,378.12	1	2,521.98	1	
1/4	18.34	1/4	211.63	1/4	408.95	1/4	606.28	1/4	803.61	1/4	1,000.94	1/4	1,198.27	1/4	1,395.59	1/4	1,592.92	1/4	1,790.25	1/4	1,987.58	1/4	2,184.91	1/4	2,382.23	1/4		1/4	
1/2	21.26	1/2	215.74	1/2	413.06	1/2	610.39	1/2	807.72	1/2	1,005.05	1/2	1,202.38	1/2	1,399.70	1/2	1,597.03	1/2	1,794.36	1/2	1,991.69	1/2	2,189.02	1/2	2,386.34	1/2		1/2	
3/4	25.07	3/4	219.85	3/4	417.17	3/4	614.50	3/4	811.83	3/4	1,009.16	3/4	1,206.49	3/4	1,403.82	3/4	1,601.14	3/4	1,798.47	3/4	1,995.80	3/4	2,193.13	3/4	2,390.46	3/4		3/4	
2	28.88	2	223.96	2	421.29	2	618.61	2	815.94	2	1,013.27	2	1,210.60	2	1,407.93	2	1,605.25	2	1,802.58	2	1,999.91	2	2,197.24	2	2,394.57	2		2	
1/4	32.98	1/4	228.07	1/4	425.40	1/4	622.72	1/4	820.05	1/4	1,017.38	1/4	1,214.71	1/4	1,412.04	1/4	1,609.37	1/4	1,806.69	1/4	2,004.02	1/4	2,201.35	1/4	2,398.68	1/4		1/4	
1/2	37.08	1/2	232.18	1/2	429.51	1/2	626.84	1/2	824.16	1/2	1,021.49	1/2	1,218.82	1/2	1,416.15	1/2	1,613.48	1/2	1,810.80	1/2	2,008.13	1/2	2,205.46	1/2	2,402.79	1/2		1/2	
3/4	41.18	3/4	236.29	3/4	433.62	3/4	630.95	3/4	828.27	3/4	1,025.60	3/4	1,222.93	3/4	1,420.26	3/4	1,617.59	3/4	1,814.92	3/4	2,012.24	3/4	2,209.57	3/4	2,406.90	3/4		3/4	
3	45.28	3	240.40	3	437.73	3	635.06	3	832.39	3	1,029.71	3	1,227.04	3	1,424.37	3	1,621.70	3	1,819.03	3	2,016.35	3	2,213.68	3	2,411.01	3		3	
1/4	49.38	1/4	244.51	1/4	441.84	1/4	639.17	1/4	836.50	1/4	1,033.83	1/4	1,231.15	1/4	1,428.48	1/4	1,625.81	1/4	1,823.14	1/4	2,020.47	1/4	2,217.79	1/4	2,415.12	1/4		1/4	
1/2	53.48	1/2	248.62	1/2	445.95	1/2	643.28	1/2	840.61	1/2	1,037.94	1/2	1,235.26	1/2	1,432.59	1/2	1,629.92	1/2	1,827.25	1/2	2,024.58	1/2	2,221.90	1/2	2,419.23	1/2		1/2	
3/4	57.58	3/4	252.74	3/4	450.06	3/4	647.39	3/4	844.72	3/4	1,042.05	3/4	1,239.38	3/4	1,436.70	3/4	1,634.03	3/4	1,831.36	3/4	2,028.69	3/4	2,226.02	3/4	2,423.34	3/4		3/4	
4	61.68	4	256.85	4	454.17	4	651.50	4	848.83	4	1,046.16	4	1,243.49	4	1,440.81	4	1,638.14	4	1,835.47	4	2,032.80	4	2,230.13	4	2,427.45	4		4	
1/4	65.78	1/4	260.96	1/4	458.28	1/4	655.61	1/4	852.94	1/4	1,050.27	1/4	1,247.60	1/4	1,444.93	1/4	1,642.25	1/4	1,839.58	1/4	2,036.91	1/4	2,234.24	1/4	2,431.57	1/4		1/4	
1/2	69.88	1/2	265.07	1/2	462.40	1/2	659.72	1/2	857.05	1/2	1,054.38	1/2	1,251.71	1/2	1,449.04	1/2	1,646.36	1/2	1,843.69	1/2	2,041.02	1/2	2,238.35	1/2	2,435.68	1/2		1/2	
3/4	73.90	3/4	269.18	3/4	466.51	3/4	663.83	3/4	861.16	3/4	1,058.49	3/4	1,255.82	3/4	1,453.15	3/4	1,650.48	3/4	1,847.80	3/4	2,045.13	3/4	2,242.46	3/4	2,439.79	3/4		3/4	
5	77.92	5	273.29	5	470.62	5	667.95	5	865.27	5	1,062.60	5	1,259.93	5	1,457.26	5	1,654.59	5	1,851.91	5	2,049.24	5	2,246.57	5	2,443.90	5		5	
1/4	81.94	1/4	277.40	1/4	474.73	1/4	672.06	1/4	869.38	1/4	1,066.71	1/4	1,264.04	1/4	1,461.37	1/4	1,658.70	1/4	1,856.03	1/4	2,053.35	1/4	2,250.68	1/4	2,448.01	1/4		1/4	
1/2	85.96	1/2	281.51	1/2	478.84	1/2	676.17	1/2	873.50	1/2	1,070.82	1/2	1,268.15	1/2	1,465.48	1/2	1,662.81	1/2	1,860.14	1/2	2,057.46	1/2	2,254.79	1/2	2,452.12	1/2		1/2	
3/4	89.99	3/4	285.62	3/4	482.95	3/4	680.28	3/4	877.61	3/4	1,074.94	3/4	1,272.26	3/4	1,469.59	3/4	1,666.92	3/4	1,864.25	3/4	2,061.58	3/4	2,258.90	3/4	2,456.23	3/4		3/4	
6	94.01	6	289.73	6	487.06	6	684.39	6	881.72	6	1,079.05	6	1,276.37	6	1,473.70	6	1,671.03	6	1,868.36	6	2,065.69	6	2,263.01	6	2,460.34	6		6	
1/4	98.03	1/4	293.85	1/4	491.17	1/4	688.50	1/4	885.83	1/4	1,083.16	1/4	1,280.49	1/4	1,477.81	1/4	1,675.14	1/4	1,872.47	1/4	2,069.80	1/4	2,267.13	1/4	2,464.45	1/4		1/4	
1/2	102.05	1/2	297.96	1/2	495.28	1/2	692.61	1/2	889.94	1/2	1,087.27	1/2	1,284.60	1/2	1,481.92	1/2	1,679.25	1/2	1,876.58	1/2	2,073.91	1/2	2,271.24	1/2	2,468.56	1/2		1/2	
3/4	106.07	3/4	302.07	3/4	499.39	3/4	696.72	3/4	894.05	3/4	1,091.38	3/4	1,288.71	3/4	1,486.04	3/4	1,683.36	3/4	1,880.69	3/4	2,078.02	3/4	2,275.35	3/4	2,472.36	3/4		3/4	
7	110.10	7	306.18	7	503.51	7	700.83	7	898.16	7	1,095.49	7	1,292.82	7	1,490.15	7	1,687.47	7	1,884.80	7	2,082.13	7	2,279.46	7	2,476.15	7		7	
1/4	114.12	1/4	310.29	1/4	507.62	1/4	704.94	1/4	902.27	1/4	1,099.60	1/4	1,296.93	1/4	1,494.26	1/4	1,691.59	1/4	1,888.91	1/4	2,086.24	1/4	2,283.57	1/4	2,479.94	1/4		1/4	
1/2	118.14	1/2	314.40	1/2	511.73	1/2	709.06	1/2	906.38	1/2	1,103.71	1/2	1,301.04	1/2	1,498.37	1/2	1,695.70	1/2	1,893.02	1/2	2,090.35	1/2	2,287.68	1/2	2,483.73	1/2		1/2	
3/4	122.16	3/4	318.51	3/4	515.84	3/4	713.17	3/4	910.49	3/4	1,107.82	3/4	1,305.15	3/4	1,502.48	3/4	1,699.81	3/4	1,897.14	3/4	2,094.46	3/4	2,291.79	3/4	2,486.89	3/4		3/4	
8	126.18	8	322.62	8	519.95	8	717.28	8	914.61	8	1,111.93	8	1,309.26	8	1,506.59	8	1,703.92	8	1,901.25	8	2,098.57	8	2,295.90	8	2,490.05	8		8	
1/4	130.21	1/4	326.73	1/4	524.06	1/4	721.39	1/4	918.72	1/4	1,116.05	1/4	1,313.37	1/4	1,510.70	1/4	1,708.03	1/4	1,905.36	1/4	2,102.69	1/4	2,300.01	1/4	2,493.22	1/4		1/4	
1/2	134.23	1/2	330.84	1/2	528.17	1/2	725.50	1/2	922.83	1/2	1,120.16	1/2	1,317.48	1/2	1,514.81	1/2	1,712.14	1/2	1,909.47	1/2	2,106.80	1/2	2,304.12	1/2	2,496.38	1/2		1/2	
3/4	138.25	3/4	334.96	3/4	532.28	3/4	729.61	3/4	926.94	3/4	1,124.27	3/4	1,321.60	3/4	1,518.92	3/4	1,716.25	3/4	1,913.58	3/4	2,110.91	3/4	2,308.24	3/4	2,498.91	3/4		3/4	
9	142.27	9	339.07	9	536.39	9	733.72	9	931.05	9	1,128.38	9	1,325.71	9	1,523.03	9	1,720.36	9	1,917.69	9	2,115.02	9	2,312.35	9	2,501.43	9		9	
1/4	146.29	1/4	343.18	1/4	540.50	1/4	737.83	1/4	935.16	1/4	1,132.49	1/4	1,329.82	1/4	1,527.15	1/4	1,724.47	1/4	1,921.80	1/4	2,119.13	1/4	2,316.46	1/4	2,503.96	1/4		1/4	
1/2	150.32	1/2	347.29	1/2	544.62	1/2	741.94	1/2	939.27	1/2	1,136.60	1/2	1,333.93	1/2	1,531.26	1/2	1,728.58	1/2	1,925.91	1/2	2,123.24	1/2	2,320.57	1/2	2,506.49	1/2		1/2	
3/4	154.34	3/4	351.40	3/4	548.73	3/4	746.05	3/4	943.38	3/4	1,140.71	3/4	1,338.04	3/4	1,535.37	3/4	1,732.70	3/4	1,930.02	3/4	2,127.35	3/4	2,324.68	3/4	2,508.39	3/4		3/4	
10	158.36	10	355.51	10	552.84	10	750.17	10	947.49	10	1,144.82	10	1,342.15	10	1,539.48	10	1,736.81	10	1,934.13	10	2,131.46	10	2,328.79	10	2,510.28	10		10	
1/4	162.38	1/4	359.62	1/4	556.95	1/4	754.28	1/4	951.60	1/4	1,148.93	1/4	1,346.26	1/4	1,543.59	1/4	1,740.92	1/4	1,938.25	1/4	2,135.57	1/4	2,332.90	1/4	2,512.18	1/4		1/4	
1/2	166.40	1/2	363.73	1/2	561.06	1/2	758.39	1/2	955.72	1/2	1,153.04	1/2	1,350.37	1/2	1,547.70	1/2	1,745.03	1/2	1,942.36	1/2	2,139.68	1/2	2,337.01	1/2	2,514.08	1/2		1/2	
3/4	170.52	3/4	367.84	3/4	565.17	3/4	762.50	3/4	959.83	3/4	1,157.16	3/4	1,354.48	3/4	1,551.81	3/4	1,749.14	3/4	1,946.47	3/4	2,143.80	3/4	2,341.12	3/4	2,515.34	3/4		3/4	
11	174.63	11	371.95	11	569.28	11	766.61	11	963.94	11	1,161.27	11	1,358.59	11	1,555.92	11	1,753.25	11	1,950.58	11	2,147.91	11	2,345.23	11	2,516.60	11		11	
1/4	178.74	1/4	376.06	1/4	573.39	1/4	770.72	1/4	968.05	1/4	1,165.38	1/4	1,362.71	1/4	1,560.03	1/4	1,757.36	1/4	1,954.69	1/4	2,152.02	1/4	2,349.35	1/4	2,517.87	1/4		1/4	
1/2	182.85	1/2	380.18	1/2	577.50	1/2	774.83	1/2	972.16	1/2	1,169.49	1/2	1,366.82	1/2	1,564.14	1/2	1,761.47	1/2	1,958.80	1/2	2,156.13	1/2	2,353.46	1/2	2,519.13	1/2		1/2	
3/4	186.96	3/4	384.29	3/4	581.61	3/4	778.94	3/4	976.27	3/4	1,173.60	3/4	1,370.93	3/4	1,568.26	3/4	1,765.58	3/4	1,962.91	3/4	2,160.24	3/4	2,357.57	3/4	2,519.76	3/4		3/4	

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 6/28/07

* 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" (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

FORM 1/4L15W REV #2 7/98

INSPECTORATE
ISO 9002 ACCREDITED

BARGE "BUFFALO 407"
BUFFALO MARINE SERVICE

INNAGE TABLE

6 PORT OR STAR

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

HULL NO. 2162-3

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	* 2.68	0	80.47	0	163.41	0	246.36	0	329.30	0	412.24	0	495.19	0	578.13	0	661.08	0	744.02	0	826.96	0	909.91	0	992.85	0	1,059.57	0	
1/4	3.42	1/4	82.20	1/4	165.14	1/4	248.08	1/4	331.03	1/4	413.97	1/4	496.92	1/4	579.86	1/4	662.80	1/4	745.75	1/4	828.69	1/4	911.64	1/4	994.58	1/4	1,059.83	1/4	
1/2	4.16	1/2	83.92	1/2	166.87	1/2	249.81	1/2	332.76	1/2	415.70	1/2	498.64	1/2	581.59	1/2	664.53	1/2	747.48	1/2	830.42	1/2	913.36	1/2	996.31	1/2	1,060.10	1/2	
3/4	5.39	3/4	85.65	3/4	168.60	3/4	251.54	3/4	334.48	3/4	417.43	3/4	500.37	3/4	583.32	3/4	666.26	3/4	749.20	3/4	832.15	3/4	915.09	3/4	998.04	3/4	1,060.17	3/4	
1	6.62	1	87.38	1	170.32	1	253.27	1	336.21	1	419.16	1	502.10	1	585.04	1	667.99	1	750.93	1	833.88	1	916.82	1	999.76	1	1,060.23	1	
1/4	7.85	1/4	89.11	1/4	172.05	1/4	255.00	1/4	337.94	1/4	420.88	1/4	503.83	1/4	586.77	1/4	669.72	1/4	752.66	1/4	835.60	1/4	918.55	1/4	1,001.49	1/4		1/4	
1/2	9.08	1/2	90.84	1/2	173.78	1/2	256.72	1/2	339.67	1/2	422.61	1/2	505.56	1/2	588.50	1/2	671.44	1/2	754.39	1/2	837.33	1/2	920.28	1/2	1,003.22	1/2		1/2	
3/4	10.68	3/4	92.56	3/4	175.51	3/4	258.45	3/4	341.40	3/4	424.34	3/4	507.28	3/4	590.23	3/4	673.17	3/4	756.12	3/4	839.06	3/4	922.00	3/4	1,004.95	3/4		3/4	
2	12.28	2	94.29	2	177.24	2	260.18	2	343.12	2	426.07	2	509.01	2	591.96	2	674.90	2	757.84	2	840.79	2	923.73	2	1,006.68	2		2	
1/4	14.00	1/4	96.02	1/4	178.96	1/4	261.91	1/4	344.85	1/4	427.80	1/4	510.74	1/4	593.68	1/4	676.63	1/4	759.57	1/4	842.52	1/4	925.46	1/4	1,008.40	1/4		1/4	
1/2	15.72	1/2	97.75	1/2	180.69	1/2	263.64	1/2	346.58	1/2	429.52	1/2	512.47	1/2	595.41	1/2	678.36	1/2	761.30	1/2	844.24	1/2	927.19	1/2	1,010.13	1/2		1/2	
3/4	17.45	3/4	99.48	3/4	182.42	3/4	265.36	3/4	348.31	3/4	431.25	3/4	514.20	3/4	597.14	3/4	680.08	3/4	763.03	3/4	845.97	3/4	928.92	3/4	1,011.86	3/4		3/4	
3	19.17	3	101.20	3	184.15	3	267.09	3	350.04	3	432.98	3	515.92	3	598.87	3	681.81	3	764.76	3	847.70	3	930.64	3	1,013.59	3		3	
1/4	20.90	1/4	102.93	1/4	185.88	1/4	268.82	1/4	351.76	1/4	434.71	1/4	517.65	1/4	600.60	1/4	683.54	1/4	766.48	1/4	849.43	1/4	932.37	1/4	1,015.32	1/4		1/4	
1/2	22.62	1/2	104.66	1/2	187.60	1/2	270.55	1/2	353.49	1/2	436.44	1/2	519.38	1/2	602.32	1/2	685.27	1/2	768.21	1/2	851.16	1/2	934.10	1/2	1,017.04	1/2		1/2	
3/4	24.34	3/4	106.39	3/4	189.33	3/4	272.28	3/4	355.22	3/4	438.16	3/4	521.11	3/4	604.05	3/4	687.00	3/4	769.94	3/4	852.88	3/4	935.83	3/4	1,018.77	3/4		3/4	
4	26.07	4	108.12	4	191.06	4	274.00	4	356.95	4	439.89	4	522.84	4	605.78	4	688.72	4	771.67	4	854.61	4	937.56	4	1,020.50	4		4	
1/4	27.79	1/4	109.84	1/4	192.79	1/4	275.73	1/4	358.68	1/4	441.62	1/4	524.56	1/4	607.51	1/4	690.45	1/4	773.40	1/4	856.34	1/4	939.28	1/4	1,022.23	1/4		1/4	
1/2	29.52	1/2	111.57	1/2	194.52	1/2	277.46	1/2	360.40	1/2	443.35	1/2	526.29	1/2	609.24	1/2	692.18	1/2	775.12	1/2	858.07	1/2	941.01	1/2	1,023.96	1/2		1/2	
3/4	31.21	3/4	113.30	3/4	196.24	3/4	279.19	3/4	362.13	3/4	445.08	3/4	528.02	3/4	610.96	3/4	693.91	3/4	776.85	3/4	859.80	3/4	942.74	3/4	1,025.68	3/4		3/4	
5	32.90	5	115.03	5	197.97	5	280.92	5	363.86	5	446.80	5	529.75	5	612.69	5	695.64	5	778.58	5	861.52	5	944.47	5	1,027.41	5		5	
1/4	34.59	1/4	116.76	1/4	199.70	1/4	282.64	1/4	365.59	1/4	448.53	1/4	531.48	1/4	614.42	1/4	697.36	1/4	780.31	1/4	863.25	1/4	946.20	1/4	1,029.14	1/4		1/4	
1/2	36.28	1/2	118.48	1/2	201.43	1/2	284.37	1/2	367.32	1/2	450.26	1/2	533.20	1/2	616.15	1/2	699.09	1/2	782.04	1/2	864.98	1/2	947.92	1/2	1,030.87	1/2		1/2	
3/4	37.97	3/4	120.21	3/4	203.16	3/4	286.10	3/4	369.04	3/4	451.99	3/4	534.93	3/4	617.88	3/4	700.82	3/4	783.76	3/4	866.71	3/4	949.65	3/4	1,032.60	3/4		3/4	
6	39.66	6	121.94	6	204.88	6	287.83	6	370.77	6	453.72	6	536.66	6	619.60	6	702.55	6	785.49	6	868.44	6	951.38	6	1,034.32	6		6	
1/4	41.35	1/4	123.67	1/4	206.61	1/4	289.56	1/4	372.50	1/4	455.44	1/4	538.39	1/4	621.33	1/4	704.28	1/4	787.22	1/4	870.16	1/4	953.11	1/4	1,036.05	1/4		1/4	
1/2	43.04	1/2	125.40	1/2	208.34	1/2	291.28	1/2	374.23	1/2	457.17	1/2	540.12	1/2	623.06	1/2	706.00	1/2	788.95	1/2	871.89	1/2	954.84	1/2	1,037.78	1/2		1/2	
3/4	44.74	3/4	127.12	3/4	210.07	3/4	293.01	3/4	375.96	3/4	458.90	3/4	541.84	3/4	624.79	3/4	707.73	3/4	790.68	3/4	873.62	3/4	956.56	3/4	1,039.37	3/4		3/4	
7	46.43	7	128.85	7	211.80	7	294.74	7	377.68	7	460.63	7	543.57	7	626.52	7	709.46	7	792.40	7	875.35	7	958.29	7	1,040.97	7		7	
1/4	48.12	1/4	130.58	1/4	213.52	1/4	296.47	1/4	379.41	1/4	462.36	1/4	545.30	1/4	628.24	1/4	711.19	1/4	794.13	1/4	877.08	1/4	960.02	1/4	1,042.56	1/4		1/4	
1/2	49.81	1/2	132.31	1/2	215.25	1/2	298.20	1/2	381.14	1/2	464.08	1/2	547.03	1/2	629.97	1/2	712.92	1/2	795.86	1/2	878.80	1/2	961.75	1/2	1,044.16	1/2		1/2	
3/4	51.50	3/4	134.04	3/4	216.98	3/4	299.92	3/4	382.87	3/4	465.81	3/4	548.76	3/4	631.70	3/4	714.64	3/4	797.59	3/4	880.53	3/4	963.48	3/4	1,045.48	3/4		3/4	
8	53.19	8	135.76	8	218.71	8	301.65	8	384.60	8	467.54	8	550.48	8	633.43	8	716.37	8	799.32	8	882.26	8	965.20	8	1,046.81	8		8	
1/4	54.88	1/4	137.49	1/4	220.44	1/4	303.38	1/4	386.32	1/4	469.27	1/4	552.21	1/4	635.16	1/4	718.10	1/4	801.04	1/4	883.99	1/4	966.93	1/4	1,048.14	1/4		1/4	
1/2	56.57	1/2	139.22	1/2	222.16	1/2	305.11	1/2	388.05	1/2	471.00	1/2	553.94	1/2	636.88	1/2	719.83	1/2	802.77	1/2	885.72	1/2	968.66	1/2	1,049.47	1/2		1/2	
3/4	58.26	3/4	140.95	3/4	223.89	3/4	306.84	3/4	389.78	3/4	472.72	3/4	555.67	3/4	638.61	3/4	721.56	3/4	804.50	3/4	887.44	3/4	970.39	3/4	1,050.53	3/4		3/4	
9	59.95	9	142.68	9	225.62	9	308.56	9	391.51	9	474.45	9	557.40	9	640.34	9	723.28	9	806.23	9	889.17	9	972.12	9	1,051.60	9		9	
1/4	61.65	1/4	144.40	1/4	227.35	1/4	310.29	1/4	393.24	1/4	476.18	1/4	559.12	1/4	642.07	1/4	725.01	1/4	807.96	1/4	890.90	1/4	973.84	1/4	1,052.66	1/4		1/4	
1/2	63.34	1/2	146.13	1/2	229.08	1/2	312.02	1/2	394.96	1/2	477.91	1/2	560.85	1/2	643.80	1/2	726.74	1/2	809.68	1/2	892.63	1/2	975.57	1/2	1,053.72	1/2		1/2	
3/4	65.03	3/4	147.86	3/4	230.80	3/4	313.75	3/4	396.69	3/4	479.64	3/4	562.58	3/4	645.52	3/4	728.47	3/4	811.41	3/4	894.36	3/4	977.30	3/4	1,054.52	3/4		3/4	
10	66.72	10	149.59	10	232.53	10	315.48	10	398.42	10	481.36	10	564.31	10	647.25	10	730.20	10	813.14	10	896.08	10	979.03	10	1,055.32	10		10	
1/4	68.41	1/4	151.32	1/4	234.26	1/4	317.20	1/4	400.15	1/4	483.09	1/4	566.04	1/4	648.98	1/4	731.92	1/4	814.87	1/4	897.81	1/4	980.76	1/4	1,056.11	1/4		1/4	
1/2	70.10	1/2	153.04	1/2	235.99	1/2	318.93	1/2	401.88	1/2	484.82	1/2	567.76	1/2	650.71	1/2	733.65	1/2	816.60	1/2	899.54	1/2	982.48	1/2	1,056.91	1/2		1/2	
3/4	71.83	3/4	154.77	3/4	237.72	3/4	320.66	3/4	403.60	3/4	486.55	3/4	569.49	3/4	652.44	3/4	735.38	3/4	818.32	3/4	901.27	3/4	984.21	3/4	1,057.44	3/4		3/4	
11	73.56	11	156.50	11	239.44	11	322.39	11	405.33	11	488.28	11	571.22	11	654.16	11	737.11	11	820.05	11	903.00	11	985.94	11	1,057.97	11		11	
1/4	75.28	1/4	158.23	1/4	241.17	1/4	324.12	1/4	407.06	1/4	490.00	1/4	572.95	1/4	655.89	1/4	738.84	1/4	821.78	1/4	904.72	1/4	987.67	1/4	1,058.50	1/4		1/4	
1/2	77.01	1/2	159.96	1/2	242.90	1/2	325.84	1/2	408.79	1/2	491.73	1/2	574.68	1/2	657.62	1/2	740.56	1/2	823.51	1/2	906.45	1/2	989.40	1/2	1,059.04	1/2		1/2	
3/4	78.74	3/4	161.68	3/4	244.63	3/4	327.57	3/4	410.52	3/4	493.46	3/4	576.40	3/4	659.35	3/4	742.29	3/4	825.24	3/4	908.18	3/4	991.12	3/4	1,059.30	3/4		3/4	

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