

BARGE "IB 1988"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2	00-5/8	- 00-5/8
3 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

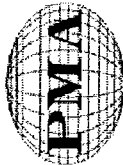
THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 CENTER IS - 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 182'-09"

December 7, 2017

**PRECISION MEASUREMENT
 & ANALYSIS, INC.**
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1988"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	3,485.24	0	3,300.06	0	3,114.88	0	2,891.72	0	2,605.63	0	2,319.75	0	2,033.89	0	1,748.01			
1/4	1/4	3,481.39	1/4	3,296.20	1/4	3,111.02	1/4	2,885.78	1/4	2,599.67	1/4	2,313.80	1/4	2,027.94	1/4	1,742.06			
1/2	1/2	3,477.53	1/2	3,292.34	1/2	3,107.16	1/2	2,879.72	1/2	2,593.72	1/2	2,307.84	1/2	2,021.98	1/2	1,736.10			
3/4	3/4	3,473.67	3/4	3,288.49	3/4	3,103.30	3/4	2,873.81	3/4	2,587.76	3/4	2,301.89	3/4	2,016.03	3/4	1,730.15			
1	1	3,469.81	1	3,284.63	1	3,099.44	1	2,867.85	1	2,581.80	1	2,295.93	1	2,010.07	1	1,724.19			
1/4	1/4	3,465.95	1/4	3,280.77	1/4	3,095.59	1/4	2,861.88	1/4	2,575.85	1/4	2,289.98	1/4	2,004.11	1/4	1,718.24			
1/2	1/2	3,462.10	1/2	3,276.91	1/2	3,091.73	1/2	2,855.91	1/2	2,569.89	1/2	2,284.02	1/2	1,998.16	1/2	1,712.28			
3/4	3/4	3,458.24	3/4	3,273.05	3/4	3,087.87	3/4	2,849.94	3/4	2,563.94	3/4	2,278.20	3/4	1,992.20	3/4	1,706.32			
2	2	3,454.38	2	3,269.20	2	3,084.01	2	2,843.98	2	2,557.92	2	2,272.11	2	1,986.25	2	1,700.37			
1/4	1/4	3,450.52	1/4	3,265.34	1/4	3,080.15	1/4	2,838.01	1/4	2,552.02	1/4	2,266.16	1/4	1,980.29	1/4	1,694.41			
1/2	1/2	3,446.66	1/2	3,261.48	1/2	3,076.30	1/2	2,832.04	1/2	2,546.07	1/2	2,260.20	1/2	1,974.33	1/2	1,688.46			
3/4	3/4	3,442.81	3/4	3,257.62	3/4	3,072.44	3/4	2,826.07	3/4	2,540.11	3/4	2,254.25	3/4	1,968.38	3/4	1,682.50			
3	3	3,438.95	3	3,253.76	3	3,068.58	3	2,820.10	3	2,534.16	3	2,248.29	3	1,962.42	3	1,676.54			
1/4	1/4	3,435.09	1/4	3,249.91	1/4	3,064.72	1/4	2,814.14	1/4	2,528.20	1/4	2,242.34	1/4	1,956.47	1/4	1,670.59			
1/2	1/2	3,431.23	1/2	3,246.05	1/2	3,060.86	1/2	2,808.17	1/2	2,522.25	1/2	2,236.38	1/2	1,950.51	1/2	1,664.63			
3/4	3/4	3,427.37	3/4	3,242.19	3/4	3,057.01	3/4	2,802.20	3/4	2,516.29	3/4	2,230.43	3/4	1,944.56	3/4	1,658.68			
4	4	3,423.52	4	3,238.33	4	3,053.15	4	2,796.24	4	2,510.33	4	2,224.47	4	1,938.60	4	1,652.72			
1/4	1/4	3,419.66	1/4	3,234.47	1/4	3,049.29	1/4	2,790.27	1/4	2,504.38	1/4	2,218.52	1/4	1,932.64	1/4	1,646.77			
1/2	1/2	3,415.80	1/2	3,230.62	1/2	3,045.43	1/2	2,784.30	1/2	2,498.42	1/2	2,212.56	1/2	1,926.69	1/2	1,640.81			
3/4	3/4	3,411.94	3/4	3,226.76	3/4	3,041.57	3/4	2,778.35	3/4	2,492.47	3/4	2,206.61	3/4	1,920.73	3/4	1,634.85			
5	5	3,408.08	5	3,222.90	5	3,037.72	5	2,772.39	5	2,486.51	5	2,200.65	5	1,914.78	5	1,628.90			
1/4	1/4	3,404.23	1/4	3,219.04	1/4	3,033.86	1/4	2,766.43	1/4	2,480.56	1/4	2,194.70	1/4	1,908.82	1/4	1,622.94			
1/2	1/2	3,400.37	1/2	3,215.18	1/2	3,030.00	1/2	2,760.48	1/2	2,474.60	1/2	2,188.74	1/2	1,902.86	1/2	1,616.99			
3/4	3/4	3,396.51	3/4	3,211.33	3/4	3,026.14	3/4	2,754.52	3/4	2,468.64	3/4	2,182.79	3/4	1,896.91	3/4	1,611.04			
6	6	3,392.65	6	3,207.47	6	3,022.28	6	2,748.57	6	2,462.69	6	2,176.83	6	1,890.95	6	1,605.10			
1/4	1/4	3,388.79	1/4	3,203.61	1/4	3,018.43	1/4	2,742.51	1/4	2,456.73	1/4	2,170.88	1/4	1,885.00	1/4	1,599.16			
1/2	1/2	3,384.94	1/2	3,199.75	1/2	3,014.57	1/2	2,736.55	1/2	2,450.78	1/2	2,164.92	1/2	1,879.04	1/2	1,593.22			
3/4	3/4	3,381.08	3/4	3,195.89	3/4	3,010.71	3/4	2,730.70	3/4	2,444.82	3/4	2,158.96	3/4	1,873.09	3/4	1,587.28			
7	7	3,377.22	7	3,192.04	7	3,006.85	7	2,724.74	7	2,438.96	7	2,153.01	7	1,867.13	7	1,581.34			
1/4	1/4	3,373.36	1/4	3,188.18	1/4	3,002.99	1/4	2,718.79	1/4	2,432.91	1/4	2,147.05	1/4	1,861.17	1/4	1,575.40			
1/2	1/2	3,369.50	1/2	3,184.32	1/2	2,999.14	1/2	2,712.83	1/2	2,426.95	1/2	2,141.10	1/2	1,855.22	1/2	1,569.45			
3/4	3/4	3,365.65	3/4	3,180.46	3/4	2,995.28	3/4	2,706.88	3/4	2,421.00	3/4	2,135.14	3/4	1,849.26	3/4	1,563.51			
8	8	3,361.79	8	3,176.60	8	2,991.42	8	2,700.92	8	2,415.04	8	2,129.19	8	1,843.31	8	1,557.57			
1/4	1/4	3,357.93	1/4	3,172.75	1/4	2,987.56	1/4	2,694.96	1/4	2,409.09	1/4	2,123.23	1/4	1,837.35	1/4	1,551.63			
1/2	1/2	3,354.07	1/2	3,168.89	1/2	2,983.70	1/2	2,688.91	1/2	2,403.13	1/2	2,117.27	1/2	1,831.40	1/2	1,545.69			
3/4	3/4	3,350.21	3/4	3,165.03	3/4	2,979.84	3/4	2,683.05	3/4	2,397.17	3/4	2,111.32	3/4	1,825.44	3/4	1,539.75			
9	9	3,346.36	9	3,161.17	9	2,976.00	9	2,677.10	9	2,391.22	9	2,105.36	9	1,819.48	9	1,533.81			
1/4	1/4	3,342.50	1/4	3,157.31	1/4	2,972.14	1/4	2,671.14	1/4	2,385.26	1/4	2,099.41	1/4	1,813.53	1/4	1,527.86			
1/2	1/2	3,338.64	1/2	3,153.46	1/2	2,968.28	1/2	2,665.18	1/2	2,379.31	1/2	2,093.45	1/2	1,807.57	1/2	1,521.92			
3/4	3/4	3,334.78	3/4	3,149.60	3/4	2,964.42	3/4	2,659.23	3/4	2,373.35	3/4	2,087.49	3/4	1,801.62	3/4	1,515.98			
10	10	3,330.92	10	3,145.74	10	2,960.56	10	2,653.27	10	2,367.39	10	2,081.54	10	1,795.66	10	1,510.04			
1/4	1/4	3,327.07	1/4	3,141.88	1/4	2,956.70	1/4	2,647.32	1/4	2,361.44	1/4	2,075.58	1/4	1,789.70	1/4	1,504.10			
1/2	1/2	3,323.21	1/2	3,138.02	1/2	2,952.84	1/2	2,641.36	1/2	2,355.48	1/2	2,069.63	1/2	1,783.75	1/2	1,498.16			
3/4	3/4	3,319.35	3/4	3,134.17	3/4	2,948.98	3/4	2,635.41	3/4	2,349.53	3/4	2,063.67	3/4	1,777.79	3/4	1,492.21			
11	11	3,315.49	11	3,130.31	11	2,945.12	11	2,629.45	11	2,343.57	11	2,057.72	11	1,771.84	11	1,486.27			
1/4	1/4	3,311.63	1/4	3,126.45	1/4	2,941.26	1/4	2,623.49	1/4	2,337.62	1/4	2,051.76	1/4	1,765.88	1/4	1,480.33			
1/2	1/2	3,307.78	1/2	3,122.59	1/2	2,937.40	1/2	2,617.54	1/2	2,331.66	1/2	2,045.80	1/2	1,759.93	1/2	1,474.39			
3/4	3/4	3,303.92	3/4	3,118.73	3/4	2,933.54	3/4	2,611.58	3/4	2,325.71	3/4	2,039.85	3/4	1,753.97	3/4	1,468.45			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 27

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pimacorp.net>



BARGE "IB 1988"

1 CENTER ULLAGE TABLE

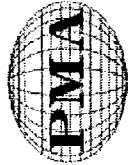
CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.		
IN	0	1/4	1/2	3/4	1	1/4	1/2	3/4	1	1/4	1/2	3/4	1	1/4	1/2	3/4	1	1/4	1/2	
0	1,462.51	0	1,176.93	0	891.51	0	611.66	0	325.78	0	40.33	0	0	0	0	0	0	0	0	0
1/4	1,456.57	1/4	1,170.98	1/4	885.72	1/4	605.71	1/4	319.82	1/4	34.68	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,450.62	1/2	1,165.03	1/2	879.92	1/2	599.75	1/2	313.86	1/2	29.03	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,444.68	3/4	1,159.08	3/4	874.12	3/4	593.80	3/4	307.91	3/4	25.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,438.74	1	1,153.12	1	868.32	1	587.84	1	301.95	1	21.20	1	1	1	1	1	1	1	1	1
1/4	1,432.80	1/4	1,147.17	1/4	862.53	1/4	581.88	1/4	295.99	1/4	17.29	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,426.86	1/2	1,141.22	1/2	856.73	1/2	575.93	1/2	290.04	1/2	13.37	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,420.92	3/4	1,135.27	3/4	850.93	3/4	569.97	3/4	284.08	3/4	11.18	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,414.98	2	1,129.31	2	845.13	2	564.02	2	278.13	2	8.99	2	2	2	2	2	2	2	2	2
1/4	1,409.03	1/4	1,123.36	1/4	839.34	1/4	558.06	1/4	272.17	1/4	6.80	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,403.09	1/2	1,117.41	1/2	833.54	1/2	552.10	1/2	266.21	1/2	4.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,397.15	3/4	1,111.45	3/4	827.74	3/4	546.15	3/4	260.26	3/4	3.61	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,391.21	3	1,105.50	3	821.95	3	540.19	3	254.30	3	2.62	3	3	3	3	3	3	3	3	3
1/4	1,385.27	1/4	1,099.55	1/4	816.15	1/4	534.24	1/4	248.35	1/4	1.62	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,379.33	1/2	1,093.60	1/2	810.35	1/2	528.28	1/2	242.39	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,373.37	3/4	1,087.64	3/4	804.55	3/4	522.32	3/4	236.43	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,367.42	4	1,081.69	4	798.76	4	516.37	4	230.48	4	0.63	4	4	4	4	4	4	4	4	4
1/4	1,361.47	1/4	1,075.74	1/4	792.96	1/4	510.41	1/4	224.52	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,355.52	1/2	1,069.79	1/2	787.16	1/2	504.46	1/2	218.56	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,349.56	3/4	1,063.83	3/4	781.37	3/4	498.50	3/4	212.60	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,343.61	5	1,057.88	5	775.57	5	492.54	5	206.64	5	0.63	5	5	5	5	5	5	5	5	5
1/4	1,337.66	1/4	1,051.93	1/4	769.77	1/4	486.59	1/4	200.68	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,331.70	1/2	1,045.98	1/2	763.98	1/2	480.63	1/2	194.72	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,325.75	3/4	1,040.02	3/4	758.18	3/4	474.68	3/4	188.75	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,319.80	6	1,034.07	6	752.38	6	468.72	6	182.79	6	0.63	6	6	6	6	6	6	6	6	6
1/4	1,313.85	1/4	1,028.12	1/4	746.58	1/4	462.76	1/4	176.83	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,307.89	1/2	1,022.16	1/2	740.79	1/2	456.81	1/2	170.86	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,301.94	3/4	1,016.21	3/4	734.99	3/4	450.85	3/4	164.91	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,295.99	7	1,010.26	7	729.19	7	444.90	7	158.95	7	0.63	7	7	7	7	7	7	7	7	7
1/4	1,290.04	1/4	1,004.31	1/4	723.40	1/4	438.94	1/4	152.99	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,284.08	1/2	998.35	1/2	717.60	1/2	432.98	1/2	147.03	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,278.13	3/4	992.40	3/4	711.80	3/4	427.03	3/4	141.07	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,272.18	8	986.45	8	706.01	8	421.07	8	135.11	8	0.63	8	8	8	8	8	8	8	8	8
1/4	1,266.23	1/4	980.50	1/4	700.21	1/4	415.12	1/4	129.14	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,260.27	1/2	974.54	1/2	694.41	1/2	409.16	1/2	123.18	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,254.32	3/4	968.59	3/4	688.61	3/4	403.20	3/4	117.21	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,248.37	9	962.64	9	682.82	9	397.25	9	111.25	9	0.63	9	9	9	9	9	9	9	9	9
1/4	1,242.41	1/4	956.68	1/4	677.02	1/4	391.29	1/4	105.28	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,236.46	1/2	950.73	1/2	671.22	1/2	385.34	1/2	99.31	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,230.51	3/4	944.78	3/4	665.27	3/4	379.38	3/4	93.34	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,224.56	10	938.83	10	659.31	10	373.42	10	87.38	10	0.63	10	10	10	10	10	10	10	10	10
1/4	1,218.60	1/4	932.87	1/4	653.36	1/4	367.47	1/4	81.41	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,212.65	1/2	926.92	1/2	647.40	1/2	361.51	1/2	75.44	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,206.70	3/4	920.97	3/4	641.44	3/4	355.56	3/4	69.49	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,200.75	11	915.02	11	635.49	11	349.60	11	63.54	11	0.63	11	11	11	11	11	11	11	11	11
1/4	1,194.79	1/4	909.06	1/4	629.53	1/4	343.64	1/4	57.59	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,188.84	1/2	903.11	1/2	623.58	1/2	337.69	1/2	51.63	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,182.89	3/4	897.16	3/4	617.62	3/4	331.73	3/4	45.68	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/06/2017 SW
CALCULATED: 12/07/2017 CL
PRINTED: 12/07/2017 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net



BARGE "IB 1988"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS		GAUGE HEIGHT 15'-03"																	
0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 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.
0	3,848.40	0	3,602.56	0	3,327.59	0	3,052.62	0	2,777.65	0	2,502.69	0	2,227.72	0	1,952.75	0	1,677.78		
1/4	3,846.96	1/4	3,596.83	1/4	3,321.86	1/4	3,046.89	1/4	2,771.93	1/4	2,496.96	1/4	2,221.99	1/4	1,947.02	1/4	1,672.05		
1/2	3,845.53	1/2	3,591.10	1/2	3,316.13	1/2	3,041.17	1/2	2,766.20	1/2	2,491.23	1/2	2,216.26	1/2	1,941.29	1/2	1,666.33		
3/4	3,844.10	3/4	3,585.37	3/4	3,310.40	3/4	3,035.44	3/4	2,760.47	3/4	2,485.50	3/4	2,210.53	3/4	1,935.56	3/4	1,660.60		
1	3,842.67	1	3,579.64	1	3,304.68	1	3,029.71	1	2,754.74	1	2,479.77	1	2,204.80	1	1,929.84	1	1,654.87		
1/4	3,839.33	1/4	3,573.92	1/4	3,298.95	1/4	3,023.98	1/4	2,749.01	1/4	2,474.04	1/4	2,199.08	1/4	1,924.11	1/4	1,649.14		
1/2	3,835.99	1/2	3,568.19	1/2	3,293.22	1/2	3,018.25	1/2	2,743.28	1/2	2,468.32	1/2	2,193.35	1/2	1,918.38	1/2	1,643.41		
3/4	3,832.64	3/4	3,562.46	3/4	3,287.49	3/4	3,012.52	3/4	2,737.55	3/4	2,462.59	3/4	2,187.62	3/4	1,912.65	3/4	1,637.68		
2	3,829.30	2	3,556.73	2	3,281.76	2	3,006.79	2	2,731.83	2	2,456.86	2	2,181.89	2	1,906.92	2	1,631.95		
1/4	3,825.96	1/4	3,551.00	1/4	3,276.03	1/4	3,001.07	1/4	2,726.10	1/4	2,451.13	1/4	2,176.16	1/4	1,901.19	1/4	1,626.23		
1/2	3,818.96	1/2	3,545.27	1/2	3,270.31	1/2	2,995.34	1/2	2,720.37	1/2	2,445.40	1/2	2,170.43	1/2	1,895.47	1/2	1,620.50		
3/4	3,813.79	3/4	3,539.54	3/4	3,264.58	3/4	2,989.61	3/4	2,714.64	3/4	2,439.67	3/4	2,164.70	3/4	1,889.74	3/4	1,614.77		
3	3,808.62	3	3,533.82	3	3,258.85	3	2,983.88	3	2,708.91	3	2,433.94	3	2,158.98	3	1,884.01	3	1,609.04		
1/4	3,802.93	1/4	3,528.09	1/4	3,253.12	1/4	2,978.15	1/4	2,703.18	1/4	2,428.22	1/4	2,153.25	1/4	1,878.28	1/4	1,603.31		
1/2	3,797.24	1/2	3,522.36	1/2	3,247.39	1/2	2,972.42	1/2	2,697.46	1/2	2,422.49	1/2	2,147.52	1/2	1,872.55	1/2	1,597.58		
3/4	3,791.54	3/4	3,516.63	3/4	3,241.66	3/4	2,966.69	3/4	2,691.73	3/4	2,416.76	3/4	2,141.79	3/4	1,866.82	3/4	1,591.85		
4	3,785.85	4	3,510.90	4	3,235.93	4	2,960.97	4	2,686.00	4	2,411.03	4	2,136.06	4	1,861.09	4	1,586.13		
1/4	3,780.13	1/4	3,505.17	1/4	3,230.21	1/4	2,955.24	1/4	2,680.27	1/4	2,405.30	1/4	2,130.33	1/4	1,855.37	1/4	1,580.40		
1/2	3,774.41	1/2	3,499.45	1/2	3,224.48	1/2	2,949.51	1/2	2,674.54	1/2	2,399.57	1/2	2,124.61	1/2	1,849.64	1/2	1,574.67		
3/4	3,768.70	3/4	3,493.72	3/4	3,218.75	3/4	2,943.78	3/4	2,668.81	3/4	2,393.84	3/4	2,118.88	3/4	1,843.91	3/4	1,568.94		
5	3,762.98	5	3,487.99	5	3,213.02	5	2,938.05	5	2,663.08	5	2,388.12	5	2,113.15	5	1,838.18	5	1,563.21		
1/4	3,757.24	1/4	3,482.26	1/4	3,207.29	1/4	2,932.32	1/4	2,657.36	1/4	2,382.39	1/4	2,107.42	1/4	1,832.45	1/4	1,557.48		
1/2	3,751.51	1/2	3,476.53	1/2	3,201.56	1/2	2,926.60	1/2	2,651.63	1/2	2,376.66	1/2	2,101.69	1/2	1,826.72	1/2	1,551.76		
3/4	3,745.78	3/4	3,470.80	3/4	3,195.83	3/4	2,920.87	3/4	2,645.90	3/4	2,370.93	3/4	2,095.96	3/4	1,820.99	3/4	1,546.03		
6	3,740.04	6	3,465.07	6	3,190.11	6	2,915.14	6	2,640.17	6	2,365.20	6	2,090.23	6	1,815.27	6	1,540.30		
1/4	3,734.31	1/4	3,459.35	1/4	3,184.38	1/4	2,909.41	1/4	2,634.44	1/4	2,359.47	1/4	2,084.51	1/4	1,809.54	1/4	1,534.57		
1/2	3,728.59	1/2	3,453.62	1/2	3,178.65	1/2	2,903.68	1/2	2,628.71	1/2	2,353.75	1/2	2,078.78	1/2	1,803.81	1/2	1,528.84		
3/4	3,722.86	3/4	3,447.89	3/4	3,172.92	3/4	2,897.95	3/4	2,622.98	3/4	2,348.02	3/4	2,073.05	3/4	1,798.08	3/4	1,523.11		
7	3,717.13	7	3,442.16	7	3,167.19	7	2,892.22	7	2,617.26	7	2,342.29	7	2,067.32	7	1,792.35	7	1,517.38		
1/4	3,711.40	1/4	3,436.43	1/4	3,161.46	1/4	2,886.50	1/4	2,611.53	1/4	2,336.56	1/4	2,061.59	1/4	1,786.62	1/4	1,511.66		
1/2	3,705.67	1/2	3,430.70	1/2	3,155.74	1/2	2,880.77	1/2	2,605.80	1/2	2,330.83	1/2	2,055.86	1/2	1,780.90	1/2	1,505.93		
3/4	3,699.94	3/4	3,424.97	3/4	3,150.01	3/4	2,875.04	3/4	2,600.07	3/4	2,325.10	3/4	2,050.13	3/4	1,775.17	3/4	1,500.20		
8	3,694.21	8	3,419.25	8	3,144.28	8	2,869.31	8	2,594.34	8	2,319.37	8	2,044.41	8	1,769.44	8	1,494.47		
1/4	3,688.49	1/4	3,413.52	1/4	3,138.55	1/4	2,863.58	1/4	2,588.61	1/4	2,313.65	1/4	2,038.68	1/4	1,763.71	1/4	1,488.74		
1/2	3,682.76	1/2	3,407.79	1/2	3,132.82	1/2	2,857.85	1/2	2,582.89	1/2	2,307.92	1/2	2,032.95	1/2	1,757.98	1/2	1,483.01		
3/4	3,677.03	3/4	3,402.06	3/4	3,127.09	3/4	2,852.12	3/4	2,577.16	3/4	2,302.19	3/4	2,027.22	3/4	1,752.25	3/4	1,477.28		
9	3,671.30	9	3,396.33	9	3,121.36	9	2,846.40	9	2,571.43	9	2,296.46	9	2,021.49	9	1,746.52	9	1,471.56		
1/4	3,665.57	1/4	3,390.60	1/4	3,115.64	1/4	2,840.67	1/4	2,565.70	1/4	2,290.73	1/4	2,016.04	1/4	1,740.80	1/4	1,465.83		
1/2	3,659.84	1/2	3,384.88	1/2	3,109.91	1/2	2,834.94	1/2	2,559.97	1/2	2,285.00	1/2	2,010.04	1/2	1,735.07	1/2	1,460.10		
3/4	3,654.11	3/4	3,379.15	3/4	3,104.18	3/4	2,829.21	3/4	2,554.24	3/4	2,279.27	3/4	2,004.31	3/4	1,729.34	3/4	1,454.37		
10	3,648.39	10	3,373.42	10	3,098.45	10	2,823.48	10	2,548.51	10	2,273.55	10	1,998.58	10	1,723.61	10	1,448.64		
1/4	3,642.66	1/4	3,367.69	1/4	3,092.72	1/4	2,817.75	1/4	2,542.79	1/4	2,267.82	1/4	1,992.85	1/4	1,717.88	1/4	1,442.91		
1/2	3,636.93	1/2	3,361.96	1/2	3,086.99	1/2	2,812.03	1/2	2,537.06	1/2	2,262.09	1/2	1,987.12	1/2	1,712.15	1/2	1,437.19		
3/4	3,631.20	3/4	3,356.23	3/4	3,081.26	3/4	2,806.30	3/4	2,531.33	3/4	2,256.36	3/4	1,981.39	3/4	1,706.42	3/4	1,431.46		
11	3,625.47	11	3,350.50	11	3,075.54	11	2,800.57	11	2,525.60	11	2,250.63	11	1,975.66	11	1,700.70	11	1,425.73		
1/4	3,619.74	1/4	3,344.78	1/4	3,069.81	1/4	2,794.84	1/4	2,519.84	1/4	2,244.90	1/4	1,969.94	1/4	1,694.97	1/4	1,420.00		
1/2	3,614.02	1/2	3,339.05	1/2	3,064.08	1/2	2,789.11	1/2	2,514.17	1/2	2,239.18	1/2	1,964.21	1/2	1,689.24	1/2	1,414.27		
3/4	3,608.29	3/4	3,333.32	3/4	3,058.35	3/4	2,783.38	3/4	2,508.41	3/4	2,233.45	3/4	1,958.48	3/4	1,683.51	3/4	1,408.54		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.
 PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
 http://www.pmacorp.net

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MIPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-06" FORWARD OF AFT BULKHEAD



BARGE "IB 1988"

2 CENTER ULLAGE TABLE

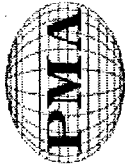
CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1,402.81	0	1,127.85	0	853.55	0	584.64	0	309.68	0	34.99	0	0	0	0	0	0	0	0
1/4	1,397.09	1/4	1,122.12	1/4	847.98	1/4	578.91	1/4	303.95	1/4	30.21	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,391.36	1/2	1,116.39	1/2	842.42	1/2	573.18	1/2	298.22	1/2	25.44	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,385.63	3/4	1,110.66	3/4	836.86	3/4	567.45	3/4	292.49	3/4	20.67	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,379.90	1	1,104.93	1	831.30	1	561.72	1	286.76	1	15.90	1	1	1	1	1	1	1	1
1/4	1,374.17	1/4	1,099.20	1/4	825.74	1/4	556.00	1/4	281.04	1/4	13.04	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,368.44	1/2	1,093.48	1/2	820.18	1/2	550.27	1/2	275.31	1/2	10.17	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,362.71	3/4	1,087.75	3/4	814.62	3/4	544.54	3/4	269.58	3/4	7.31	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,356.99	2	1,082.02	2	809.06	2	538.81	2	263.85	2	4.44	2	2	2	2	2	2	2	2
1/4	1,351.26	1/4	1,076.29	1/4	803.50	1/4	533.08	1/4	258.12	1/4	3.49	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,345.53	1/2	1,070.56	1/2	797.94	1/2	527.35	1/2	252.40	1/2	2.54	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,339.80	3/4	1,064.83	3/4	792.38	3/4	521.63	3/4	246.67	3/4	1.58	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,334.07	3	1,059.10	3	786.82	3	515.90	3	240.94	3	0.63	3	3	3	3	3	3	3	3
1/4	1,328.34	1/4	1,053.38	1/4	781.26	1/4	510.17	1/4	235.21	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,322.62	1/2	1,047.65	1/2	775.70	1/2	504.44	1/2	229.48	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,316.89	3/4	1,041.92	3/4	770.14	3/4	498.71	3/4	223.75	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,311.16	4	1,036.19	4	764.58	4	492.98	4	218.03	4	0.63	4	4	4	4	4	4	4	4
1/4	1,305.43	1/4	1,030.46	1/4	759.02	1/4	487.26	1/4	212.30	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,299.70	1/2	1,024.73	1/2	753.46	1/2	481.53	1/2	206.57	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,293.97	3/4	1,019.00	3/4	747.90	3/4	475.80	3/4	200.84	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,288.24	5	1,013.28	5	742.34	5	470.07	5	195.11	5	0.63	5	5	5	5	5	5	5	5
1/4	1,282.52	1/4	1,007.55	1/4	736.78	1/4	464.34	1/4	189.38	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,276.79	1/2	1,001.82	1/2	731.22	1/2	458.61	1/2	183.66	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,271.06	3/4	996.09	3/4	725.66	3/4	452.89	3/4	177.93	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,265.33	6	990.36	6	720.10	6	447.16	6	172.20	6	0.63	6	6	6	6	6	6	6	6
1/4	1,259.60	1/4	984.63	1/4	714.54	1/4	441.43	1/4	166.47	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,253.87	1/2	978.91	1/2	708.98	1/2	435.70	1/2	160.74	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,248.14	3/4	973.18	3/4	703.42	3/4	429.97	3/4	155.02	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,242.42	7	967.45	7	697.86	7	424.24	7	149.29	7	0.63	7	7	7	7	7	7	7	7
1/4	1,236.69	1/4	961.72	1/4	692.30	1/4	418.52	1/4	143.56	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,230.96	1/2	955.99	1/2	686.74	1/2	412.79	1/2	137.83	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,225.23	3/4	950.26	3/4	681.18	3/4	407.06	3/4	132.10	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,219.50	8	944.53	8	675.62	8	401.33	8	126.38	8	0.63	8	8	8	8	8	8	8	8
1/4	1,213.77	1/4	938.81	1/4	670.06	1/4	395.60	1/4	120.65	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,208.05	1/2	933.08	1/2	664.50	1/2	389.87	1/2	114.92	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,202.32	3/4	927.35	3/4	658.94	3/4	384.15	3/4	109.19	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,196.59	9	921.62	9	653.38	9	378.42	9	103.46	9	0.63	9	9	9	9	9	9	9	9
1/4	1,190.86	1/4	915.89	1/4	647.65	1/4	372.69	1/4	97.74	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,185.13	1/2	910.16	1/2	641.92	1/2	366.96	1/2	92.01	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,179.40	3/4	904.43	3/4	636.19	3/4	361.23	3/4	86.28	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,173.67	10	898.71	10	630.46	10	355.50	10	80.56	10	0.63	10	10	10	10	10	10	10	10
1/4	1,167.95	1/4	892.98	1/4	624.73	1/4	349.78	1/4	74.84	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,162.22	1/2	887.25	1/2	619.01	1/2	344.05	1/2	69.13	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,156.49	3/4	881.52	3/4	613.28	3/4	338.32	3/4	63.41	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,150.76	11	875.79	11	607.55	11	332.59	11	57.70	11	0.63	11	11	11	11	11	11	11	11
1/4	1,145.03	1/4	870.23	1/4	601.82	1/4	326.86	1/4	52.02	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,139.30	1/2	864.67	1/2	596.09	1/2	321.13	1/2	46.34	1/2	0.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,133.57	3/4	859.11	3/4	590.36	3/4	315.41	3/4	40.66	3/4	0.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/06/2017 SW
CALCULATED: 12/07/2017 CL
PRINTED: 12/07/2017 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net



BARGE "IB 1988"

3 CENTER ULLAGE TABLE

GAUGE HEIGHT 15'-03 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS		0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
0	0	3,820.39	0	3,582.22	0	3,309.71	0	3,037.21	0	2,764.70	0	2,492.20	0	2,219.69	0	1,947.18	0	1,674.68				
1/4	1/4	3,820.15	1/4	3,576.54	1/4	3,304.04	1/4	3,031.53	1/4	2,759.02	1/4	2,486.52	1/4	2,214.01	1/4	1,941.51	1/4	1,669.00				
1/2	1/2	3,818.73	1/2	3,298.86	1/2	3,026.35	1/2	2,753.85	1/2	2,481.34	1/2	2,208.84	1/2	1,936.33	1/2	1,663.82	1/2	1,391.31				
3/4	3/4	3,817.31	3/4	3,297.68	3/4	3,025.68	3/4	2,747.67	3/4	2,475.16	3/4	2,202.66	3/4	1,930.15	3/4	1,657.65	3/4	1,385.14				
1	1	3,815.90	1	3,296.51	1	3,024.50	1	2,745.99	1	2,473.48	1	2,200.97	1	1,928.46	1	1,655.95	1	1,383.44				
1/4	1/4	3,814.48	1/4	3,281.33	1/4	3,008.82	1/4	2,736.32	1/4	2,463.81	1/4	2,191.30	1/4	1,918.79	1/4	1,646.28	1/4	1,373.77				
1/2	1/2	3,811.16	1/2	3,275.65	1/2	3,003.14	1/2	2,730.64	1/2	2,458.13	1/2	2,186.62	1/2	1,914.11	1/2	1,641.60	1/2	1,369.09				
3/4	3/4	3,807.85	3/4	3,269.97	3/4	2,997.47	3/4	2,724.96	3/4	2,452.46	3/4	2,180.95	3/4	1,908.44	3/4	1,635.93	3/4	1,366.42				
2	2	3,804.54	2	3,264.29	2	2,991.79	2	2,719.28	2	2,446.78	2	2,174.27	2	1,901.77	2	1,629.26	2	1,353.95				
1/4	1/4	3,801.23	1/4	3,258.92	1/4	2,986.11	1/4	2,713.61	1/4	2,441.10	1/4	2,168.60	1/4	1,896.09	1/4	1,623.58	1/4	1,350.47				
1/2	1/2	3,796.10	1/2	3,252.94	1/2	2,980.43	1/2	2,707.93	1/2	2,435.42	1/2	2,162.92	1/2	1,888.41	1/2	1,615.90	1/2	1,342.39				
3/4	3/4	3,790.98	3/4	3,247.26	3/4	2,974.76	3/4	2,702.25	3/4	2,427.75	3/4	2,152.24	3/4	1,877.74	3/4	1,605.23	3/4	1,330.88				
3	3	3,785.86	3	3,241.09	3	2,969.08	3	2,696.57	3	2,424.07	3	2,151.56	3	1,877.05	3	1,604.55	3	1,325.77				
1/4	1/4	3,780.73	1/4	3,235.91	1/4	2,963.40	1/4	2,690.90	1/4	2,418.39	1/4	2,145.89	1/4	1,871.38	1/4	1,600.88	1/4	1,320.70				
1/2	1/2	3,775.09	1/2	3,230.23	1/2	2,957.73	1/2	2,685.22	1/2	2,412.71	1/2	2,140.21	1/2	1,865.70	1/2	1,595.20	1/2	1,320.70				
3/4	3/4	3,769.45	3/4	3,224.55	3/4	2,952.05	3/4	2,679.54	3/4	2,407.04	3/4	2,134.53	3/4	1,860.03	3/4	1,589.52	3/4	1,315.62				
4	4	3,763.81	4	3,218.88	4	2,946.37	4	2,673.87	4	2,401.36	4	2,128.85	4	1,856.35	4	1,583.84	4	1,310.51				
1/4	1/4	3,758.17	1/4	3,213.20	1/4	2,940.69	1/4	2,668.19	1/4	2,395.68	1/4	2,123.18	1/4	1,850.67	1/4	1,578.17	1/4	1,305.40				
1/2	1/2	3,752.50	1/2	3,207.52	1/2	2,935.02	1/2	2,662.51	1/2	2,390.01	1/2	2,117.50	1/2	1,845.99	1/2	1,572.49	1/2	1,300.33				
3/4	3/4	3,746.83	3/4	3,201.85	3/4	2,929.34	3/4	2,656.83	3/4	2,384.33	3/4	2,111.82	3/4	1,839.32	3/4	1,567.81	3/4	1,295.26				
5	5	3,741.17	5	3,196.17	5	2,923.66	5	2,651.16	5	2,378.65	5	2,106.15	5	1,833.64	5	1,561.13	5	1,290.02				
1/4	1/4	3,735.50	1/4	3,190.49	1/4	2,917.99	1/4	2,645.48	1/4	2,372.97	1/4	2,100.47	1/4	1,827.96	1/4	1,555.46	1/4	1,285.35				
1/2	1/2	3,729.82	1/2	3,184.81	1/2	2,912.31	1/2	2,639.80	1/2	2,367.30	1/2	2,094.79	1/2	1,822.29	1/2	1,549.78	1/2	1,280.24				
3/4	3/4	3,724.15	3/4	3,179.14	3/4	2,906.63	3/4	2,634.13	3/4	2,361.62	3/4	2,089.11	3/4	1,816.61	3/4	1,544.10	3/4	1,275.13				
6	6	3,718.47	6	3,173.46	6	2,900.95	6	2,628.45	6	2,355.94	6	2,083.44	6	1,810.93	6	1,538.43	6	1,269.06				
1/4	1/4	3,712.79	1/4	3,167.78	1/4	2,895.28	1/4	2,622.77	1/4	2,350.27	1/4	2,077.76	1/4	1,805.25	1/4	1,532.75	1/4	1,264.00				
1/2	1/2	3,707.12	1/2	3,162.11	1/2	2,889.60	1/2	2,617.09	1/2	2,344.59	1/2	2,072.08	1/2	1,799.58	1/2	1,527.07	1/2	1,258.93				
3/4	3/4	3,701.44	3/4	3,156.43	3/4	2,883.92	3/4	2,611.42	3/4	2,338.91	3/4	2,066.41	3/4	1,793.90	3/4	1,521.39	3/4	1,253.80				
7	7	3,695.76	7	3,150.75	7	2,878.25	7	2,605.74	7	2,333.23	7	2,060.73	7	1,788.22	7	1,515.72	7	1,248.71				
1/4	1/4	3,690.09	1/4	3,145.07	1/4	2,872.57	1/4	2,600.06	1/4	2,327.56	1/4	2,054.55	1/4	1,782.55	1/4	1,510.04	1/4	1,243.60				
1/2	1/2	3,684.41	1/2	3,139.40	1/2	2,866.89	1/2	2,594.39	1/2	2,321.88	1/2	2,049.37	1/2	1,776.87	1/2	1,504.36	1/2	1,238.49				
3/4	3/4	3,678.73	3/4	3,133.72	3/4	2,861.21	3/4	2,588.71	3/4	2,316.20	3/4	2,043.70	3/4	1,771.19	3/4	1,498.89	3/4	1,233.32				
8	8	3,673.05	8	3,128.04	8	2,855.54	8	2,583.03	8	2,310.53	8	2,038.02	8	1,765.51	8	1,493.01	8	1,228.15				
1/4	1/4	3,667.38	1/4	3,122.36	1/4	2,849.86	1/4	2,577.35	1/4	2,304.85	1/4	2,032.34	1/4	1,759.84	1/4	1,487.33	1/4	1,223.08				
1/2	1/2	3,661.70	1/2	3,116.69	1/2	2,844.18	1/2	2,571.68	1/2	2,299.17	1/2	2,026.67	1/2	1,754.16	1/2	1,481.65	1/2	1,217.92				
3/4	3/4	3,656.02	3/4	3,111.01	3/4	2,838.50	3/4	2,566.00	3/4	2,293.49	3/4	2,020.99	3/4	1,748.48	3/4	1,476.98	3/4	1,212.85				
9	9	3,650.34	9	3,105.33	9	2,832.83	9	2,560.32	9	2,287.82	9	2,015.31	9	1,742.81	9	1,471.80	9	1,207.79				
1/4	1/4	3,644.67	1/4	3,099.66	1/4	2,827.15	1/4	2,554.64	1/4	2,282.14	1/4	2,009.63	1/4	1,737.13	1/4	1,464.62	1/4	1,202.72				
1/2	1/2	3,638.99	1/2	3,093.98	1/2	2,821.47	1/2	2,548.97	1/2	2,276.46	1/2	2,003.96	1/2	1,731.45	1/2	1,459.95	1/2	1,200.60				
3/4	3/4	3,633.31	3/4	3,088.30	3/4	2,815.80	3/4	2,543.29	3/4	2,270.78	3/4	1,998.28	3/4	1,725.77	3/4	1,454.87	3/4	1,199.55				
10	10	3,627.64	10	3,082.62	10	2,810.12	10	2,537.61	10	2,265.11	10	1,992.60	10	1,720.10	10	1,447.59	10	1,192.48				
1/4	1/4	3,621.96	1/4	3,076.95	1/4	2,804.44	1/4	2,531.94	1/4	2,259.43	1/4	1,986.92	1/4	1,714.42	1/4	1,442.08	1/4	1,187.37				
1/2	1/2	3,616.28	1/2	3,071.27	1/2	2,798.76	1/2	2,526.26	1/2	2,253.75	1/2	1,981.25	1/2	1,708.74	1/2	1,436.24	1/2	1,182.26				
3/4	3/4	3,610.60	3/4	3,066.59	3/4	2,793.09	3/4	2,520.58	3/4	2,248.08	3/4	1,975.57	3/4	1,703.06	3/4	1,431.15	3/4	1,177.15				
11	11	3,604.93	11	3,061.92	11	2,787.41	11	2,514.90	11	2,242.40	11	1,969.89	11	1,697.39	11	1,424.88	11	1,172.07				
1/4	1/4	3,599.25	1/4	3,056.24	1/4	2,781.73	1/4	2,509.23	1/4	2,236.72	1/4	1,964.22	1/4	1,691.71	1/4	1,419.20	1/4	1,167.06				
1/2	1/2	3,593.57	1/2	3,050.56	1/2	2,776.06	1/2	2,503.55	1/2	2,231.04	1/2	1,958.54	1/2	1,686.03	1/2	1,413.53	1/2	1,161.95				
3/4	3/4	3,587.90	3/4	3,044.88	3/4	2,770.38	3/4	2,497.87	3/4	2,225.37	3/4	1,952.86	3/4	1,680.36	3/4	1,407.85	3/4	1,156.84				

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPWMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE ONLY APPLIES TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "IB 1988"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	1,402.17	0	1,129.67	0	857.19	0	585.08	0	312.59	0	40.31	0	0	0	0	0	0	0	0
1/4	1,396.50	1/4	1,123.99	1/4	851.52	1/4	579.40	1/4	306.91	1/4	34.68	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,390.82	1/2	1,118.31	1/2	845.85	1/2	573.73	1/2	301.23	1/2	29.95	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,385.14	3/4	1,112.64	3/4	840.19	3/4	568.05	3/4	295.55	3/4	25.22	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,379.46	1	1,106.96	1	834.52	1	562.37	1	289.88	1	20.49	1	1	1	1	1	1	1	1
1/4	1,373.79	1/4	1,101.28	1/4	828.85	1/4	556.70	1/4	284.20	1/4	15.76	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,368.11	1/2	1,095.60	1/2	823.18	1/2	551.02	1/2	278.52	1/2	12.93	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,362.43	3/4	1,089.93	3/4	817.52	3/4	545.34	3/4	272.85	3/4	10.09	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,356.76	2	1,084.25	2	811.85	2	539.67	2	267.17	2	7.25	2	2	2	2	2	2	2	2
1/4	1,351.08	1/4	1,078.57	1/4	806.19	1/4	533.99	1/4	261.49	1/4	4.41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,345.40	1/2	1,072.90	1/2	800.52	1/2	528.31	1/2	255.82	1/2	3.46	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,339.72	3/4	1,067.22	3/4	794.85	3/4	522.63	3/4	250.14	3/4	2.52	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,334.05	3	1,061.54	3	789.19	3	516.96	3	244.46	3	1.57	3	3	3	3	3	3	3	3
1/4	1,328.37	1/4	1,055.86	1/4	783.52	1/4	511.28	1/4	238.78	1/4	0.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,322.69	1/2	1,050.19	1/2	777.85	1/2	505.60	1/2	233.11	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,317.02	3/4	1,044.51	3/4	772.19	3/4	499.93	3/4	227.43	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,311.34	4	1,038.83	4	766.52	4	494.25	4	221.75	4	0	4	4	4	4	4	4	4	4
1/4	1,305.66	1/4	1,033.16	1/4	760.85	1/4	488.57	1/4	216.08	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,299.98	1/2	1,027.48	1/2	755.19	1/2	482.90	1/2	210.40	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,294.31	3/4	1,021.80	3/4	749.52	3/4	477.22	3/4	204.72	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,288.63	5	1,016.12	5	743.86	5	471.54	5	199.05	5	0	5	5	5	5	5	5	5	5
1/4	1,282.95	1/4	1,010.45	1/4	738.19	1/4	465.86	1/4	193.37	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,277.27	1/2	1,004.77	1/2	732.52	1/2	460.19	1/2	187.69	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,271.60	3/4	999.09	3/4	726.86	3/4	454.51	3/4	182.02	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,265.92	6	993.41	6	721.19	6	448.83	6	176.34	6	0	6	6	6	6	6	6	6	6
1/4	1,260.24	1/4	987.74	1/4	715.52	1/4	443.16	1/4	170.66	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,254.57	1/2	982.06	1/2	709.86	1/2	437.48	1/2	164.99	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,248.89	3/4	976.38	3/4	704.19	3/4	431.80	3/4	159.31	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,243.21	7	970.71	7	698.53	7	426.13	7	153.63	7	0	7	7	7	7	7	7	7	7
1/4	1,237.53	1/4	965.03	1/4	692.86	1/4	420.45	1/4	147.96	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,231.86	1/2	959.35	1/2	687.19	1/2	414.77	1/2	142.28	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,226.18	3/4	953.67	3/4	681.53	3/4	409.09	3/4	136.60	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,220.50	8	948.00	8	675.86	8	403.42	8	130.93	8	0	8	8	8	8	8	8	8	8
1/4	1,214.83	1/4	942.32	1/4	670.19	1/4	397.74	1/4	125.25	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,209.15	1/2	936.64	1/2	664.53	1/2	392.06	1/2	119.57	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,203.47	3/4	930.97	3/4	658.86	3/4	386.39	3/4	113.90	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,197.79	9	925.29	9	653.20	9	380.71	9	108.22	9	0	9	9	9	9	9	9	9	9
1/4	1,192.12	1/4	919.61	1/4	647.53	1/4	375.03	1/4	102.54	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,186.44	1/2	913.93	1/2	641.85	1/2	369.36	1/2	96.87	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,180.76	3/4	908.26	3/4	636.17	3/4	363.68	3/4	91.19	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,175.09	10	902.58	10	630.50	10	358.00	10	85.52	10	0	10	10	10	10	10	10	10	10
1/4	1,169.41	1/4	896.90	1/4	624.82	1/4	352.32	1/4	79.84	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,163.73	1/2	891.23	1/2	619.14	1/2	346.65	1/2	74.18	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,158.05	3/4	885.55	3/4	613.47	3/4	340.97	3/4	68.52	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,152.38	11	879.87	11	607.79	11	335.29	11	62.85	11	0	11	11	11	11	11	11	11	11
1/4	1,146.70	1/4	874.19	1/4	602.11	1/4	329.62	1/4	57.19	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,141.02	1/2	868.53	1/2	596.44	1/2	323.94	1/2	51.56	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,135.34	3/4	862.86	3/4	590.76	3/4	318.26	3/4	45.93	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/06/2017 SW
 CALCULATED: 12/07/2017 CL
 PRINTED: 12/07/2017 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 12/2017

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