

BARGE "IB 1086"

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	00-1/8	- 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
2 CENTER	00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
3 CENTER	00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

$$\begin{aligned}
 \text{FWD. DRAFT} &= 2'-00" \\
 \text{AFT DRAFT} &= 4'-00" \\
 \text{DIFF.} &= 2'-00" \quad (\text{DOWN BY STERN})
 \end{aligned}$$

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 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 163'-03"

June 14, 2017

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

<http://www.pmacorp.net>

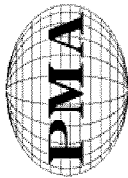


BARGE "IB 1086"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. 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		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
1/4	3,978.17	1/4	3,749.41	1/4	3,744.11	1/4	3,489.60	1/4	3,235.09	1/4	2,985.88	1/4	2,705.41	1/4	2,407.86	1/4	2,110.32	1/4	1,812.76		
1/2	3,976.04	1/2	3,738.80	1/2	3,484.29	1/2	3,229.78	1/2	2,975.27	1/2	2,693.01	1/2	2,395.46	1/2	2,097.92	1/2	1,800.36	1/2	1,502.73	1/2	1,205.10
3/4	3,973.90	3/4	3,733.50	3/4	3,478.99	3/4	3,224.48	3/4	2,969.97	3/4	2,687.71	3/4	2,390.16	3/4	2,092.62	3/4	1,795.08	3/4	1,497.54	3/4	1,199.91
1	3,971.77	1	3,728.20	1	3,473.69	1	3,219.18	1	2,964.67	1	2,682.41	1	2,384.86	1	2,087.32	1	1,790.78	1	1,493.24	1	1,195.70
1/4	3,969.64	1/4	3,722.30	1/4	3,468.39	1/4	3,213.88	1/4	2,959.37	1/4	2,677.11	1/4	2,379.56	1/4	2,082.02	1/4	1,785.48	1/4	1,487.94	1/4	1,190.41
1/2	3,965.93	1/2	3,717.60	1/2	3,463.08	1/2	3,208.57	1/2	2,954.06	1/2	2,672.80	1/2	2,375.25	1/2	2,079.96	1/2	1,781.17	1/2	1,483.63	1/2	1,186.08
3/4	3,962.22	3/4	3,712.29	3/4	3,457.78	3/4	3,203.27	3/4	2,948.76	3/4	2,667.00	3/4	2,370.45	3/4	2,075.12	3/4	1,776.93	3/4	1,480.38	3/4	1,181.73
2	3,958.82	2	3,706.99	2	3,452.48	2	3,197.97	2	2,943.46	2	2,661.20	2	2,363.65	2	2,070.73	2	1,772.54	2	1,476.17	2	1,177.28
1/4	3,954.81	1/4	3,701.69	1/4	3,447.18	1/4	3,192.67	1/4	2,938.65	1/4	2,657.39	1/4	2,360.84	1/4	2,067.86	1/4	1,770.00	1/4	1,473.72	1/4	1,174.92
1/2	3,949.93	1/2	3,696.39	1/2	3,441.88	1/2	3,187.37	1/2	2,932.86	1/2	2,652.13	1/2	2,356.03	1/2	2,065.15	1/2	1,768.33	1/2	1,470.54	1/2	1,172.73
3/4	3,944.85	3/4	3,691.08	3/4	3,436.57	3/4	3,182.06	3/4	2,927.55	3/4	2,647.42	3/4	2,351.92	3/4	2,060.27	3/4	1,765.77	3/4	1,467.99	3/4	1,170.54
3	3,939.88	3	3,685.78	3	3,431.27	3	3,176.76	3	2,922.25	3	2,642.13	3	2,347.62	3	2,056.93	3	1,763.17	3	1,465.00	3	1,168.37
1/4	3,934.86	1/4	3,680.48	1/4	3,426.97	1/4	3,172.46	1/4	2,917.95	1/4	2,637.03	1/4	2,342.52	1/4	2,052.02	1/4	1,759.62	1/4	1,462.54	1/4	1,166.18
1/2	3,929.80	1/2	3,675.18	1/2	3,420.67	1/2	3,168.16	1/2	2,913.64	1/2	2,632.92	1/2	2,337.41	1/2	2,047.11	1/2	1,753.07	1/2	1,459.00	1/2	1,163.99
3/4	3,924.32	3/4	3,669.87	3/4	3,415.36	3/4	3,163.85	3/4	2,909.33	3/4	2,627.80	3/4	2,332.30	3/4	2,042.20	3/4	1,748.52	3/4	1,455.52	3/4	1,160.80
4	3,919.04	4	3,664.87	4	3,410.06	4	3,158.55	4	2,904.02	4	2,622.69	4	2,327.18	4	2,036.08	4	1,743.95	4	1,450.95	4	1,157.61
1/4	3,913.77	1/4	3,659.27	1/4	3,404.76	1/4	3,153.24	1/4	2,898.71	1/4	2,617.58	1/4	2,322.07	1/4	2,031.97	1/4	1,740.40	1/4	1,447.40	1/4	1,154.41
1/2	3,908.47	1/2	3,653.97	1/2	3,399.46	1/2	3,147.93	1/2	2,893.40	1/2	2,612.24	1/2	2,316.76	1/2	2,026.76	1/2	1,736.85	1/2	1,443.90	1/2	1,150.92
3/4	3,903.17	3/4	3,648.67	3/4	3,394.16	3/4	3,142.62	3/4	2,888.03	3/4	2,606.90	3/4	2,311.45	3/4	2,021.45	3/4	1,733.30	3/4	1,440.40	3/4	1,147.43
5	3,897.88	5	3,643.36	5	3,388.85	5	3,137.13	5	2,882.52	5	2,601.39	5	2,306.22	5	2,015.22	5	1,728.79	5	1,436.90	5	1,143.94
1/4	3,892.58	1/4	3,638.06	1/4	3,383.55	1/4	3,132.82	1/4	2,877.21	1/4	2,596.24	1/4	2,301.05	1/4	2,010.05	1/4	1,725.50	1/4	1,433.40	1/4	1,140.45
1/2	3,887.27	1/2	3,632.76	1/2	3,378.25	1/2	3,127.51	1/2	2,871.90	1/2	2,590.93	1/2	2,295.76	1/2	2,004.93	1/2	1,721.01	1/2	1,429.90	1/2	1,137.00
3/4	3,881.97	3/4	3,627.46	3/4	3,372.95	3/4	3,118.44	3/4	2,866.60	3/4	2,585.66	3/4	2,290.59	3/4	1,999.59	3/4	1,716.50	3/4	1,426.40	3/4	1,133.51
6	3,876.67	6	3,622.15	6	3,367.64	6	3,113.13	6	2,861.09	6	2,580.33	6	2,285.32	6	1,994.32	6	1,712.01	6	1,421.90	6	1,130.02
1/4	3,871.36	1/4	3,616.85	1/4	3,362.34	1/4	3,107.82	1/4	2,855.78	1/4	2,575.07	1/4	2,280.21	1/4	1,989.21	1/4	1,707.50	1/4	1,418.40	1/4	1,126.53
1/2	3,866.06	1/2	3,611.55	1/2	3,357.04	1/2	3,102.51	1/2	2,850.47	1/2	2,569.76	1/2	2,275.04	1/2	1,984.04	1/2	1,703.00	1/2	1,414.90	1/2	1,123.04
3/4	3,860.76	3/4	3,606.25	3/4	3,351.74	3/4	3,097.23	3/4	2,845.16	3/4	2,564.05	3/4	2,270.53	3/4	1,979.53	3/4	1,698.50	3/4	1,411.40	3/4	1,119.55
7	3,855.46	7	3,600.94	7	3,346.43	7	3,091.92	7	2,839.85	7	2,558.84	7	2,265.02	7	1,974.02	7	1,693.00	7	1,406.90	7	1,116.06
1/4	3,850.15	1/4	3,595.64	1/4	3,341.13	1/4	3,086.62	1/4	2,834.54	1/4	2,553.53	1/4	2,260.51	1/4	1,970.51	1/4	1,688.50	1/4	1,404.40	1/4	1,112.57
1/2	3,844.85	1/2	3,590.34	1/2	3,335.83	1/2	3,081.32	1/2	2,829.23	1/2	2,548.22	1/2	2,255.50	1/2	1,966.00	1/2	1,684.00	1/2	1,401.90	1/2	1,109.08
3/4	3,839.55	3/4	3,585.04	3/4	3,330.53	3/4	3,076.02	3/4	2,823.94	3/4	2,543.11	3/4	2,250.99	3/4	1,961.50	3/4	1,679.50	3/4	1,400.40	3/4	1,105.59
8	3,834.25	8	3,579.74	8	3,325.23	8	3,070.71	8	2,818.63	8	2,538.00	8	2,246.00	8	1,956.99	8	1,675.00	8	1,397.90	8	1,102.10
1/4	3,828.94	1/4	3,574.43	1/4	3,319.92	1/4	3,065.41	1/4	2,813.32	1/4	2,532.89	1/4	2,241.00	1/4	1,954.49	1/4	1,672.50	1/4	1,395.40	1/4	1,098.61
1/2	3,823.64	1/2	3,569.13	1/2	3,314.62	1/2	3,060.11	1/2	2,808.02	1/2	2,527.78	1/2	2,236.50	1/2	1,951.99	1/2	1,669.00	1/2	1,392.90	1/2	1,095.12
3/4	3,818.34	3/4	3,563.83	3/4	3,309.32	3/4	3,054.81	3/4	2,802.71	3/4	2,522.47	3/4	2,231.99	3/4	1,949.50	3/4	1,666.50	3/4	1,390.40	3/4	1,091.63
9	3,813.04	9	3,558.53	9	3,304.02	9	3,049.51	9	2,797.40	9	2,517.16	9	2,227.50	9	1,946.99	9	1,664.00	9	1,387.90	9	1,088.14
1/4	3,807.73	1/4	3,553.22	1/4	3,298.71	1/4	3,044.20	1/4	2,792.09	1/4	2,512.85	1/4	2,222.99	1/4	1,944.49	1/4	1,661.50	1/4	1,385.40	1/4	1,084.65
1/2	3,802.43	1/2	3,547.92	1/2	3,293.41	1/2	3,038.90	1/2	2,786.58	1/2	2,507.54	1/2	2,218.50	1/2	1,941.99	1/2	1,659.00	1/2	1,382.90	1/2	1,081.16
3/4	3,797.13	3/4	3,542.62	3/4	3,288.11	3/4	3,033.60	3/4	2,781.17	3/4	2,502.18	3/4	2,213.50	3/4	1,939.49	3/4	1,656.50	3/4	1,380.40	3/4	1,077.67
10	3,791.83	10	3,537.32	10	3,282.81	10	3,028.30	10	2,775.66	10	2,496.67	10	2,207.00	10	1,936.99	10	1,654.00	10	1,377.90	10	1,074.18
1/4	3,786.53	1/4	3,532.01	1/4	3,277.50	1/4	3,022.99	1/4	2,770.15	1/4	2,491.16	1/4	2,202.50	1/4	1,934.49	1/4	1,651.50	1/4	1,375.40	1/4	1,070.73
1/2	3,781.22	1/2	3,526.71	1/2	3,272.20	1/2	3,017.69	1/2	2,764.70	1/2	2,485.65	1/2	2,197.00	1/2	1,931.99	1/2	1,649.00	1/2	1,372.90	1/2	1,067.24
3/4	3,775.92	3/4	3,521.41	3/4	3,266.90	3/4	3,012.39	3/4	2,759.21	3/4	2,480.50	3/4	2,192.50	3/4	1,929.49	3/4	1,646.50	3/4	1,370.40	3/4	1,063.75
11	3,770.62	11	3,516.11	11	3,262.10	11	3,007.18	11	2,751.72	11	2,475.00	11	2,187.50	11	1,926.99	11	1,644.00	11	1,367.90	11	1,060.30
1/4	3,765.32	1/4	3,510.81	1/4	3,256.60	1/4	3,001.78	1/4	2,746.23	1/4	2,470.25	1/4	2,182.00	1/4	1,924.49	1/4	1,641.50	1/4	1,365.40	1/4	1,056.81
1/2	3,760.01	1/2	3,505.50	1/2	3,251.99	1/2	2,996.48	1/2	2,741.74	1/2	2,465.46	1/2	2,177.50	1/2	1,921.99	1/2	1,639.00	1/2	1,362.90	1/2	1,053.32
3/4	3																				



BARGE "IB 1086"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-02 1/4"

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
1/4	1,515.62	1,218.34	921.67	629.43	331.86	0	36.57	0	0	0	0	0	0	0	0	0	0	0	0
1/2	1,509.44	1,212.14	915.62	623.23	325.67	1/4	30.94	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
3/4	1,503.25	1,205.95	909.57	617.03	319.47	1/2	26.81	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
1	1,497.07	1,199.75	903.53	610.83	313.27	3/4	22.67	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1 1/4	1,490.88	1,193.55	897.48	604.63	307.07	1	18.54	1	1	1	1	1	1	1	1	1	1	1	1
1 1/2	1,484.70	1,187.36	891.43	598.44	300.87	1 1/4	14.40	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 3/4	1,478.51	1,181.16	885.39	592.24	294.67	1 1/2	12.33	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
2	1,472.33	1,174.97	879.34	586.04	288.47	3/4	10.26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2 1/4	1,466.14	1,168.77	873.29	579.84	282.27	2	8.19	2	2	2	2	2	2	2	2	2	2	2	2
2 1/2	1,459.96	1,162.57	867.24	573.64	276.07	1 1/4	6.12	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
2 3/4	1,453.77	1,156.38	861.20	567.44	269.87	1 1/2	4.05	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3	1,447.58	1,150.18	855.15	561.24	263.67	3/4	2.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3 1/4	1,441.39	1,143.99	849.10	555.04	257.47	3	0	3	3	3	3	3	3	3	3	3	3	3	3
3 1/2	1,435.20	1,137.79	843.06	548.84	251.27	1 1/4	0	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
3 3/4	1,429.00	1,131.59	837.01	542.64	245.07	1 1/2	0	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
4	1,422.81	1,125.40	830.96	536.44	238.87	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4 1/4	1,416.61	1,119.20	824.92	530.24	232.66	4	0	4	4	4	4	4	4	4	4	4	4	4	4
4 1/2	1,410.41	1,113.01	818.87	524.04	226.46	1 1/4	0	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
4 3/4	1,404.22	1,106.81	812.82	517.84	220.26	1 1/2	0	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
5	1,398.02	1,100.61	806.77	511.65	214.05	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5 1/4	1,391.83	1,094.42	800.73	505.45	207.84	5	0	5	5	5	5	5	5	5	5	5	5	5	5
5 1/2	1,385.63	1,088.22	794.68	499.25	201.64	1 1/4	0	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
5 3/4	1,379.43	1,082.03	788.63	493.05	195.44	1 1/2	0	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
6	1,373.24	1,075.83	782.59	486.85	189.23	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6 1/4	1,367.04	1,069.63	776.54	480.65	183.03	6	0	6	6	6	6	6	6	6	6	6	6	6	6
6 1/2	1,360.85	1,063.44	770.49	474.45	176.82	1 1/4	0	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
6 3/4	1,354.65	1,057.24	764.45	468.25	170.62	1 1/2	0	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
7	1,348.45	1,051.05	758.40	462.05	164.42	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7 1/4	1,342.26	1,044.85	752.35	455.85	158.22	7	0	7	7	7	7	7	7	7	7	7	7	7	7
7 1/2	1,336.06	1,038.65	746.30	449.65	152.02	1 1/4	0	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
7 3/4	1,329.87	1,032.46	740.26	443.45	145.83	1 1/2	0	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
8	1,323.67	1,026.26	734.21	437.25	139.63	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8 1/4	1,317.47	1,020.07	728.16	431.05	133.44	8	0	8	8	8	8	8	8	8	8	8	8	8	8
8 1/2	1,311.28	1,013.87	722.12	424.85	127.24	1 1/4	0	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
8 3/4	1,305.08	1,007.67	715.99	418.66	121.06	1 1/2	0	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
9	1,298.89	1,001.48	709.87	412.46	114.88	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9 1/4	1,292.69	995.28	703.75	406.26	108.69	9	0	9	9	9	9	9	9	9	9	9	9	9	9
9 1/2	1,286.49	989.09	697.62	400.06	102.51	1 1/4	0	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
9 3/4	1,280.30	982.89	691.42	393.86	96.36	1 1/2	0	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
10	1,274.10	976.69	685.23	387.66	90.20	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10 1/4	1,267.91	970.50	679.03	381.46	84.04	10	0	10	10	10	10	10	10	10	10	10	10	10	10
10 1/2	1,261.71	964.30	672.83	375.26	77.89	1 1/4	0	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
10 3/4	1,255.51	958.18	666.63	369.06	71.78	1 1/2	0	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
11	1,249.32	952.06	660.43	362.86	65.67	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11 1/4	1,243.12	945.94	654.23	356.66	59.56	11	0	11	11	11	11	11	11	11	11	11	11	11	11
11 1/2	1,236.93	939.81	648.03	350.46	53.44	1 1/4	0	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
11 3/4	1,230.73	933.77	641.83	344.26	47.32	1 1/2	0	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
12	1,224.53	927.72	635.63	338.06	41.19	3/4	0	3/4	3/4	3/4	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: 06/13/2017 CL
CALCULATED: 06/14/2017 CL
PRINTED: 06/14/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2017

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



BARGE "IB 1086"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPWS 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 25'-00" FORWARD OF AFT BULKHEAD

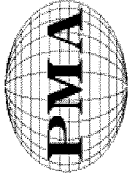
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

http://www.pmacorp.net



BARGE "IB 1086"

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	1,343.80	0	1,080.36	0	817.50	0	559.46	0	296.02	0	34.33	0	0	0	0	0	0	0	0
1/4	1,338.32	1/4	1,074.87	1/4	812.16	1/4	553.97	1/4	290.53	1/4	29.36	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,332.83	1/2	1,069.38	1/2	806.82	1/2	548.48	1/2	285.04	1/2	24.39	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,327.34	3/4	1,063.89	3/4	801.49	3/4	542.99	3/4	279.56	3/4	20.74	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,321.85	1	1,058.40	1	796.15	1	537.51	1	274.07	1	17.08	1	1	1	1	1	1	1	1
1/4	1,316.36	1/4	1,052.91	1/4	790.81	1/4	532.02	1/4	268.58	1/4	13.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,310.87	1/2	1,047.42	1/2	785.47	1/2	526.53	1/2	263.09	1/2	9.77	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,305.39	3/4	1,041.94	3/4	780.13	3/4	521.04	3/4	257.60	3/4	7.94	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,299.90	2	1,036.45	2	774.79	2	515.55	2	252.11	2	6.11	2	2	2	2	2	2	2	2
1/4	1,294.41	1/4	1,030.96	1/4	769.45	1/4	510.06	1/4	246.63	1/4	4.28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,288.92	1/2	1,025.47	1/2	764.12	1/2	504.58	1/2	241.14	1/2	2.46	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,283.43	3/4	1,019.98	3/4	758.78	3/4	499.09	3/4	235.65	3/4	0.64	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,277.94	3	1,014.49	3	753.44	3	493.60	3	230.16	3	0.00	3	3	3	3	3	3	3	3
1/4	1,272.45	1/4	1,009.01	1/4	748.10	1/4	488.11	1/4	224.67	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,266.97	1/2	1,003.52	1/2	742.76	1/2	482.62	1/2	219.18	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,261.48	3/4	998.03	3/4	737.43	3/4	477.13	3/4	213.70	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,255.99	4	992.54	4	732.09	4	471.65	4	208.21	4	0.00	4	4	4	4	4	4	4	4
1/4	1,250.50	1/4	987.05	1/4	726.75	1/4	466.16	1/4	202.72	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,245.01	1/2	981.56	1/2	721.41	1/2	460.67	1/2	197.23	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,239.52	3/4	976.08	3/4	716.07	3/4	455.18	3/4	191.74	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,234.03	5	970.59	5	710.73	5	449.69	5	186.25	5	0.00	5	5	5	5	5	5	5	5
1/4	1,228.55	1/4	965.10	1/4	705.40	1/4	444.20	1/4	180.77	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,223.06	1/2	959.61	1/2	700.06	1/2	438.72	1/2	175.28	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,217.57	3/4	954.12	3/4	694.72	3/4	433.23	3/4	169.79	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,212.08	6	948.63	6	689.38	6	427.74	6	164.30	6	0.00	6	6	6	6	6	6	6	6
1/4	1,206.59	1/4	943.14	1/4	684.04	1/4	422.25	1/4	158.82	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,201.10	1/2	937.66	1/2	678.70	1/2	416.76	1/2	153.33	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,195.62	3/4	932.17	3/4	673.37	3/4	411.27	3/4	147.84	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,190.13	7	926.68	7	668.03	7	405.79	7	142.36	7	0.00	7	7	7	7	7	7	7	7
1/4	1,184.64	1/4	921.19	1/4	662.69	1/4	400.30	1/4	136.87	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,179.15	1/2	915.70	1/2	657.35	1/2	394.81	1/2	131.39	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,173.66	3/4	910.21	3/4	652.01	3/4	389.32	3/4	125.91	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,168.17	8	904.72	8	646.67	8	383.83	8	120.43	8	0.00	8	8	8	8	8	8	8	8
1/4	1,162.68	1/4	899.24	1/4	641.34	1/4	378.34	1/4	114.96	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,157.20	1/2	893.75	1/2	636.00	1/2	372.86	1/2	109.48	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,151.71	3/4	888.26	3/4	630.58	3/4	367.37	3/4	104.02	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,146.22	9	882.77	9	625.17	9	361.88	9	98.56	9	0.00	9	9	9	9	9	9	9	9
1/4	1,140.73	1/4	877.28	1/4	619.76	1/4	356.39	1/4	93.09	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,135.24	1/2	871.79	1/2	614.34	1/2	350.90	1/2	87.63	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,129.75	3/4	866.31	3/4	608.85	3/4	345.42	3/4	82.19	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,124.26	10	860.82	10	603.37	10	339.93	10	76.75	10	0.00	10	10	10	10	10	10	10	10
1/4	1,118.78	1/4	855.33	1/4	597.88	1/4	334.44	1/4	71.31	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,113.29	1/2	849.84	1/2	592.39	1/2	328.95	1/2	65.87	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,107.80	3/4	844.43	3/4	586.90	3/4	323.46	3/4	60.47	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,102.31	11	839.01	11	581.41	11	317.97	11	55.07	11	0.00	11	11	11	11	11	11	11	11
1/4	1,096.82	1/4	833.60	1/4	575.92	1/4	312.49	1/4	49.67	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,091.33	1/2	828.18	1/2	570.44	1/2	307.00	1/2	44.27	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,085.85	3/4	822.84	3/4	564.95	3/4	301.51	3/4	39.30	3/4	0.00	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: 06/13/2017 CL
CALCULATED: 06/14/2017 CL
PRINTED: 06/14/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2017

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



BARGE "IB 1086"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. 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
0	0	3,441.15	0	3,179.74	0	2,918.33	0	2,656.92	0	2,395.50	0	2,134.09	0	1,872.68	0	1,611.26	0	1,349.85	0
1/4	1/4	3,435.71	1/4	3,174.29	1/4	2,912.88	1/4	2,651.47	1/4	2,390.06	1/4	2,128.64	1/4	1,867.23	1/4	1,605.82	1/4	1,344.41	1/4
1/2	1/2	3,430.26	1/2	3,168.85	1/2	2,907.44	1/2	2,646.02	1/2	2,384.61	1/2	2,123.20	1/2	1,861.78	1/2	1,600.37	1/2	1,340.00	1/2
3/4	3/4	3,424.82	3/4	3,163.40	3/4	2,901.99	3/4	2,640.58	3/4	2,379.16	3/4	2,117.75	3/4	1,856.34	3/4	1,594.93	3/4	1,335.57	3/4
1	1	3,419.37	1	3,157.96	1	2,896.54	1	2,635.13	1	2,373.72	1	2,112.31	1	1,850.89	1	1,589.48	1	1,331.10	1
1/4	1/4	3,413.92	1/4	3,152.51	1/4	2,891.10	1/4	2,629.68	1/4	2,368.27	1/4	2,106.86	1/4	1,845.45	1/4	1,584.03	1/4	1,326.67	1/4
1/2	1/2	3,408.48	1/2	3,147.06	1/2	2,885.65	1/2	2,624.24	1/2	2,362.83	1/2	2,101.41	1/2	1,840.00	1/2	1,578.59	1/2	1,322.24	1/2
3/4	3/4	3,403.03	3/4	3,141.62	3/4	2,880.21	3/4	2,618.79	3/4	2,357.38	3/4	2,095.97	3/4	1,834.55	3/4	1,573.14	3/4	1,317.81	3/4
2	2	3,397.58	2	3,136.17	2	2,874.76	2	2,613.35	2	2,351.93	2	2,090.52	2	1,829.11	2	1,567.70	2	1,313.38	2
1/4	1/4	3,392.14	1/4	3,130.73	1/4	2,869.31	1/4	2,607.90	1/4	2,346.49	1/4	2,085.07	1/4	1,823.66	1/4	1,562.25	1/4	1,308.94	1/4
1/2	1/2	3,386.69	1/2	3,125.28	1/2	2,863.87	1/2	2,602.45	1/2	2,341.04	1/2	2,079.63	1/2	1,818.22	1/2	1,556.80	1/2	1,304.51	1/2
3/4	3/4	3,381.25	3/4	3,119.83	3/4	2,858.42	3/4	2,597.01	3/4	2,335.60	3/4	2,074.18	3/4	1,812.77	3/4	1,551.36	3/4	1,300.08	3/4
3	3	3,375.80	3	3,114.39	3	2,852.97	3	2,591.56	3	2,330.15	3	2,068.74	3	1,807.32	3	1,545.91	3	1,295.64	3
1/4	1/4	3,370.34	1/4	3,108.94	1/4	2,847.53	1/4	2,586.12	1/4	2,324.70	1/4	2,063.29	1/4	1,801.88	1/4	1,540.46	1/4	1,291.21	1/4
1/2	1/2	3,364.91	1/2	3,103.50	1/2	2,842.08	1/2	2,580.67	1/2	2,319.26	1/2	2,057.84	1/2	1,796.43	1/2	1,535.02	1/2	1,286.78	1/2
3/4	3/4	3,359.46	3/4	3,098.05	3/4	2,836.64	3/4	2,575.22	3/4	2,313.81	3/4	2,052.40	3/4	1,790.99	3/4	1,529.57	3/4	1,282.34	3/4
4	4	3,354.02	4	3,092.60	4	2,831.19	4	2,569.78	4	2,308.36	4	2,046.95	4	1,785.54	4	1,524.13	4	1,277.90	4
1/4	1/4	3,348.57	1/4	3,087.16	1/4	2,825.74	1/4	2,564.33	1/4	2,302.92	1/4	2,041.51	1/4	1,780.09	1/4	1,518.68	1/4	1,273.46	1/4
1/2	1/2	3,343.12	1/2	3,081.71	1/2	2,820.30	1/2	2,558.89	1/2	2,297.47	1/2	2,036.06	1/2	1,774.65	1/2	1,513.23	1/2	1,269.01	1/2
3/4	3/4	3,337.68	3/4	3,076.26	3/4	2,814.85	3/4	2,553.44	3/4	2,292.02	3/4	2,030.61	3/4	1,769.20	3/4	1,507.79	3/4	1,264.56	3/4
5	5	3,332.23	5	3,070.82	5	2,809.41	5	2,547.99	5	2,286.58	5	2,025.15	5	1,763.75	5	1,502.34	5	1,260.11	5
1/4	1/4	3,326.79	1/4	3,065.37	1/4	2,803.96	1/4	2,542.55	1/4	2,281.13	1/4	2,019.72	1/4	1,758.31	1/4	1,496.90	1/4	1,255.66	1/4
1/2	1/2	3,321.34	1/2	3,059.93	1/2	2,798.51	1/2	2,537.10	1/2	2,275.69	1/2	2,014.28	1/2	1,752.86	1/2	1,491.45	1/2	1,251.19	1/2
3/4	3/4	3,315.89	3/4	3,054.48	3/4	2,793.07	3/4	2,531.65	3/4	2,270.24	3/4	2,008.83	3/4	1,747.42	3/4	1,486.00	3/4	1,246.72	3/4
6	6	3,310.45	6	3,049.03	6	2,787.62	6	2,526.21	6	2,264.80	6	2,003.38	6	1,741.97	6	1,480.56	6	1,242.25	6
1/4	1/4	3,305.00	1/4	3,043.59	1/4	2,782.18	1/4	2,520.76	1/4	2,259.35	1/4	1,997.94	1/4	1,736.52	1/4	1,475.11	1/4	1,237.78	1/4
1/2	1/2	3,299.56	1/2	3,038.14	1/2	2,776.73	1/2	2,515.32	1/2	2,253.90	1/2	1,992.49	1/2	1,731.08	1/2	1,469.67	1/2	1,233.31	1/2
3/4	3/4	3,294.11	3/4	3,032.70	3/4	2,771.28	3/4	2,509.87	3/4	2,248.46	3/4	1,987.04	3/4	1,725.63	3/4	1,464.22	3/4	1,228.84	3/4
7	7	3,288.66	7	3,027.25	7	2,765.84	7	2,504.42	7	2,243.01	7	1,981.60	7	1,720.19	7	1,458.77	7	1,224.37	7
1/4	1/4	3,283.22	1/4	3,021.80	1/4	2,760.39	1/4	2,498.98	1/4	2,237.57	1/4	1,976.15	1/4	1,714.74	1/4	1,453.33	1/4	1,220.00	1/4
1/2	1/2	3,277.77	1/2	3,016.36	1/2	2,754.94	1/2	2,493.53	1/2	2,232.12	1/2	1,970.71	1/2	1,709.29	1/2	1,447.88	1/2	1,215.53	1/2
3/4	3/4	3,272.32	3/4	3,010.91	3/4	2,749.50	3/4	2,488.09	3/4	2,226.67	3/4	1,965.26	3/4	1,703.85	3/4	1,442.43	3/4	1,211.06	3/4
8	8	3,266.88	8	3,005.47	8	2,744.05	8	2,482.64	8	2,221.23	8	1,959.81	8	1,698.40	8	1,436.99	8	1,206.59	8
1/4	1/4	3,261.43	1/4	3,000.02	1/4	2,738.61	1/4	2,477.19	1/4	2,215.78	1/4	1,954.37	1/4	1,692.96	1/4	1,431.54	1/4	1,202.12	1/4
1/2	1/2	3,255.99	1/2	2,994.57	1/2	2,733.16	1/2	2,471.75	1/2	2,210.33	1/2	1,948.92	1/2	1,687.51	1/2	1,426.10	1/2	1,197.65	1/2
3/4	3/4	3,250.54	3/4	2,989.13	3/4	2,727.71	3/4	2,466.30	3/4	2,204.89	3/4	1,943.48	3/4	1,682.06	3/4	1,420.65	3/4	1,193.18	3/4
9	9	3,245.09	9	2,983.68	9	2,722.27	9	2,460.86	9	2,199.44	9	1,938.03	9	1,676.62	9	1,415.20	9	1,188.71	9
1/4	1/4	3,239.65	1/4	2,978.24	1/4	2,716.82	1/4	2,455.41	1/4	2,194.00	1/4	1,932.58	1/4	1,671.17	1/4	1,409.76	1/4	1,184.24	1/4
1/2	1/2	3,234.20	1/2	2,972.79	1/2	2,711.38	1/2	2,449.96	1/2	2,188.55	1/2	1,927.14	1/2	1,665.72	1/2	1,404.31	1/2	1,179.77	1/2
3/4	3/4	3,228.76	3/4	2,967.34	3/4	2,705.93	3/4	2,444.52	3/4	2,183.10	3/4	1,921.69	3/4	1,660.28	3/4	1,399.87	3/4	1,175.30	3/4
10	10	3,223.31	10	2,961.90	10	2,700.48	10	2,439.07	10	2,177.66	10	1,916.25	10	1,654.83	10	1,393.42	10	1,170.83	10
1/4	1/4	3,217.86	1/4	2,956.45	1/4	2,695.04	1/4	2,433.63	1/4	2,172.21	1/4	1,910.80	1/4	1,649.39	1/4	1,388.97	1/4	1,166.36	1/4
1/2	1/2	3,212.42	1/2	2,951.00	1/2	2,689.59	1/2	2,428.18	1/2	2,166.77	1/2	1,905.35	1/2	1,643.94	1/2	1,382.53	1/2	1,161.89	1/2
3/4	3/4	3,206.97	3/4	2,945.56	3/4	2,684.15	3/4	2,422.73	3/4	2,161.32	3/4	1,899.91	3/4	1,638.49	3/4	1,377.08	3/4	1,157.42	3/4
11	11	3,201.53	11	2,940.11	11	2,678.70	11	2,417.29	11	2,155.87	11	1,894.46	11	1,633.05	11	1,371.64	11	1,152.95	11
1/4	1/4	3,196.08	1/4	2,934.67	1/4	2,673.25	1/4	2,411.84	1/4	2,150.43	1/4	1,889.02	1/4	1,627.60	1/4	1,366.19	1/4	1,148.48	1/4
1/2	1/2	3,190.63	1/2	2,929.22	1/2	2,667.81	1/2	2,406.39	1/2	2,144.98	1/2	1,883.57	1/2	1,622.16	1/2	1,360.74	1/2	1,144.01	1/2
3/4	3/4	3,185.19	3/4	2,923.77	3/4	2,662.36	3/4	2,400.95	3/4	2,139.54	3/4	1,878.12	3/4	1,616.71	3/4	1,355.30	3/4	1,139.54	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPWS 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 24'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1086"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03"

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	1,349.85	0	1,088.44	0	827.04	0	566.03	0	304.63	0	43.94	0	0	0	0	0	0	0	0
1/4	1,344.41	1/4	1,082.99	1/4	821.61	1/4	560.59	1/4	299.18	1/4	39.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,338.96	1/2	1,077.55	1/2	816.17	1/2	555.14	1/2	293.74	1/2	34.07	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,333.51	3/4	1,072.10	3/4	810.73	3/4	549.70	3/4	288.29	3/4	29.14	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,328.07	1	1,066.65	1	805.30	1	544.25	1	282.85	1	24.21	1	1	1	1	1	1	1	1
1/4	1,322.62	1/4	1,061.21	1/4	799.86	1/4	538.80	1/4	277.40	1/4	20.58	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,317.17	1/2	1,055.76	1/2	794.42	1/2	533.36	1/2	271.95	1/2	16.96	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,311.73	3/4	1,050.32	3/4	788.99	3/4	527.91	3/4	266.51	3/4	13.33	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,306.28	2	1,044.87	2	783.55	2	522.47	2	261.06	2	9.70	2	2	2	2	2	2	2	2
1/4	1,300.84	1/4	1,039.42	1/4	778.12	1/4	517.02	1/4	255.62	1/4	7.89	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,295.39	1/2	1,033.98	1/2	772.68	1/2	511.57	1/2	250.17	1/2	6.07	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,289.94	3/4	1,028.53	3/4	767.25	3/4	506.13	3/4	244.73	3/4	4.26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,284.50	3	1,023.09	3	761.81	3	500.68	3	239.28	3	2.44	3	3	3	3	3	3	3	3
1/4	1,279.05	1/4	1,017.64	1/4	756.38	1/4	495.24	1/4	233.83	1/4	0.62	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,273.61	1/2	1,012.19	1/2	750.94	1/2	489.79	1/2	228.39	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,268.16	3/4	1,006.75	3/4	745.51	3/4	484.35	3/4	222.94	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,262.71	4	1,001.30	4	740.07	4	478.90	4	217.50	4	0.00	4	4	4	4	4	4	4	4
1/4	1,257.27	1/4	995.85	1/4	734.64	1/4	473.45	1/4	212.05	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,251.82	1/2	990.41	1/2	729.20	1/2	468.01	1/2	206.60	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,246.38	3/4	984.96	3/4	723.76	3/4	462.56	3/4	201.16	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,240.93	5	979.52	5	718.33	5	457.12	5	195.71	5	0.00	5	5	5	5	5	5	5	5
1/4	1,235.48	1/4	974.07	1/4	712.89	1/4	451.67	1/4	190.27	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,230.04	1/2	968.62	1/2	707.46	1/2	446.22	1/2	184.82	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,224.59	3/4	963.18	3/4	702.02	3/4	440.78	3/4	179.37	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,219.14	6	957.73	6	696.59	6	435.33	6	173.93	6	0.00	6	6	6	6	6	6	6	6
1/4	1,213.70	1/4	952.29	1/4	691.15	1/4	429.89	1/4	168.48	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,208.25	1/2	946.84	1/2	685.72	1/2	424.44	1/2	163.04	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,202.81	3/4	941.39	3/4	680.28	3/4	418.99	3/4	157.59	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,197.36	7	935.95	7	674.85	7	413.55	7	152.15	7	0.00	7	7	7	7	7	7	7	7
1/4	1,191.91	1/4	930.50	1/4	669.41	1/4	408.10	1/4	146.71	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,186.47	1/2	925.06	1/2	663.98	1/2	402.66	1/2	141.26	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,181.02	3/4	919.61	3/4	658.54	3/4	397.21	3/4	135.82	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,175.58	8	914.16	8	653.11	8	391.76	8	130.38	8	0.00	8	8	8	8	8	8	8	8
1/4	1,170.13	1/4	908.72	1/4	647.67	1/4	386.32	1/4	124.94	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,164.68	1/2	903.27	1/2	642.23	1/2	380.87	1/2	119.51	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,159.24	3/4	897.82	3/4	636.80	3/4	375.43	3/4	114.07	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,153.79	9	892.38	9	631.36	9	369.98	9	108.64	9	0.00	9	9	9	9	9	9	9	9
1/4	1,148.35	1/4	886.93	1/4	625.92	1/4	364.54	1/4	103.22	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,142.90	1/2	881.49	1/2	620.48	1/2	359.09	1/2	97.80	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,137.45	3/4	876.04	3/4	615.04	3/4	353.64	3/4	92.38	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,132.01	10	870.59	10	609.60	10	348.20	10	86.96	10	0.00	10	10	10	10	10	10	10	10
1/4	1,126.56	1/4	865.15	1/4	604.15	1/4	342.75	1/4	81.56	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,121.11	1/2	859.71	1/2	598.71	1/2	337.31	1/2	76.16	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,115.67	3/4	854.26	3/4	593.26	3/4	331.86	3/4	70.77	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,110.22	11	848.81	11	587.82	11	326.41	11	65.37	11	0.00	11	11	11	11	11	11	11	11
1/4	1,104.78	1/4	843.37	1/4	582.37	1/4	320.97	1/4	60.01	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,099.33	1/2	837.93	1/2	576.93	1/2	315.52	1/2	54.65	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,093.88	3/4	832.49	3/4	571.48	3/4	310.08	3/4	49.29	3/4	0.00	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: 06/13/2017 CL
CALCULATED: 06/14/2017 CL
PRINTED: 06/14/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2017

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