



# BARGE "IB 1086"

## INNAGE 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 INNAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 3/4"

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 INNAGE 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	276.07	0	573.64	0	867.24	0	1,162.57	0	1,459.96	0	1,756.97	0	2,054.53	0	2,352.07	0	2,649.62	0
1/4	8.19	282.27	1/4	579.84	1/4	873.29	1/4	1,168.77	1/4	1,466.14	1/4	1,763.17	1/4	2,060.73	1/4	2,358.27	1/4	2,655.82	1/4
1/2	10.26	288.47	1/2	586.04	1/2	879.34	1/2	1,174.97	1/2	1,472.33	1/2	1,769.37	1/2	2,066.93	1/2	2,364.47	1/2	2,662.02	1/2
3/4	12.33	294.67	3/4	592.24	3/4	885.39	3/4	1,181.16	3/4	1,478.51	3/4	1,775.57	3/4	2,073.12	3/4	2,370.67	3/4	2,668.21	3/4
1	14.40	300.87	1	598.44	1	891.43	1	1,187.36	1	1,484.70	1	1,781.77	1	2,079.32	1	2,376.87	1	2,674.41	1
1/4	18.54	307.07	1/4	604.63	1/4	897.44	1/4	1,193.55	1/4	1,490.88	1/4	1,787.97	1/4	2,085.52	1/4	2,383.06	1/4	2,680.61	1/4
1/2	22.67	313.27	1/2	610.83	1/2	903.53	1/2	1,199.75	1/2	1,497.07	1/2	1,794.17	1/2	2,091.72	1/2	2,389.26	1/2	2,686.81	1/2
3/4	26.81	319.47	3/4	617.03	3/4	909.57	3/4	1,205.95	3/4	1,503.25	3/4	1,800.36	3/4	2,097.92	3/4	2,395.46	3/4	2,693.01	3/4
2	30.94	325.67	2	623.23	2	915.62	2	1,212.14	2	1,509.44	2	1,806.56	2	2,104.12	2	2,401.66	2	2,699.21	2
1/4	36.57	331.86	1/4	629.43	1/4	921.67	1/4	1,218.34	1/4	1,515.62	1/4	1,812.76	1/4	2,110.32	1/4	2,407.86	1/4	2,705.41	1/4
1/2	42.19	338.06	1/2	635.63	1/2	927.72	1/2	1,224.53	1/2	1,521.81	1/2	1,818.96	1/2	2,116.52	1/2	2,414.06	1/2	2,711.61	1/2
3/4	47.82	344.26	3/4	641.83	3/4	933.77	3/4	1,230.73	3/4	1,527.99	3/4	1,825.16	3/4	2,122.72	3/4	2,420.26	3/4	2,717.81	3/4
3	53.44	350.46	3	648.03	3	939.81	3	1,236.93	3	1,534.18	3	1,831.36	3	2,128.92	3	2,426.45	3	2,724.01	3
1/4	59.56	356.66	1/4	654.23	1/4	945.94	1/4	1,243.12	1/4	1,540.36	1/4	1,837.56	1/4	2,135.12	1/4	2,432.65	1/4	2,730.21	1/4
1/2	65.67	362.86	1/2	660.43	1/2	952.06	1/2	1,249.32	1/2	1,546.55	1/2	1,843.76	1/2	2,141.31	1/2	2,438.85	1/2	2,736.40	1/2
3/4	71.78	369.06	3/4	666.63	3/4	958.18	3/4	1,255.51	3/4	1,552.73	3/4	1,849.96	3/4	2,147.51	3/4	2,445.05	3/4	2,742.60	3/4
4	77.89	375.26	4	672.83	4	964.30	4	1,261.71	4	1,558.92	4	1,856.16	4	2,153.71	4	2,451.25	4	2,748.80	4
1/4	84.04	381.46	1/4	679.03	1/4	970.50	1/4	1,267.91	1/4	1,565.10	1/4	1,862.36	1/4	2,159.91	1/4	2,457.45	1/4	2,755.00	1/4
1/2	90.20	387.66	1/2	685.23	1/2	976.69	1/2	1,274.10	1/2	1,571.29	1/2	1,868.55	1/2	2,166.11	1/2	2,463.65	1/2	2,761.20	1/2
3/4	96.36	393.86	3/4	691.42	3/4	982.89	3/4	1,280.30	3/4	1,577.47	3/4	1,874.75	3/4	2,172.31	3/4	2,469.84	3/4	2,767.40	3/4
5	102.51	400.06	5	697.62	5	989.09	5	1,286.49	5	1,583.65	5	1,880.95	5	2,178.51	5	2,476.04	5	2,773.60	5
1/4	108.69	406.26	1/4	703.75	1/4	995.28	1/4	1,292.69	1/4	1,589.84	1/4	1,887.15	1/4	2,184.71	1/4	2,482.24	1/4	2,779.80	1/4
1/2	114.88	412.46	1/2	709.87	1/2	1,001.48	1/2	1,298.89	1/2	1,596.02	1/2	1,893.35	1/2	2,190.91	1/2	2,488.44	1/2	2,786.00	1/2
3/4	121.06	418.66	3/4	715.99	3/4	1,007.67	3/4	1,305.08	3/4	1,602.21	3/4	1,899.55	3/4	2,197.11	3/4	2,494.64	3/4	2,792.20	3/4
6	127.24	424.85	6	722.12	6	1,013.87	6	1,311.28	6	1,608.39	6	1,905.75	6	2,203.31	6	2,500.84	6	2,798.40	6
1/4	133.44	431.05	1/4	728.16	1/4	1,020.07	1/4	1,317.47	1/4	1,614.58	1/4	1,911.95	1/4	2,209.50	1/4	2,507.04	1/4	2,804.60	1/4
1/2	139.63	437.25	1/2	734.21	1/2	1,026.26	1/2	1,323.67	1/2	1,620.76	1/2	1,918.15	1/2	2,215.70	1/2	2,513.24	1/2	2,810.79	1/2
3/4	145.83	443.45	3/4	740.26	3/4	1,032.46	3/4	1,329.87	3/4	1,626.95	3/4	1,924.35	3/4	2,221.90	3/4	2,519.44	3/4	2,816.99	3/4
7	152.02	449.65	7	746.30	7	1,038.65	7	1,336.06	7	1,633.13	7	1,930.55	7	2,228.10	7	2,525.64	7	2,823.19	7
1/4	158.22	455.85	1/4	752.35	1/4	1,044.85	1/4	1,342.26	1/4	1,639.32	1/4	1,936.74	1/4	2,234.30	1/4	2,531.83	1/4	2,829.39	1/4
1/2	164.42	462.05	1/2	758.40	1/2	1,051.05	1/2	1,348.45	1/2	1,645.50	1/2	1,942.94	1/2	2,240.50	1/2	2,538.03	1/2	2,835.59	1/2
3/4	170.62	468.25	3/4	764.45	3/4	1,057.24	3/4	1,354.65	3/4	1,651.69	3/4	1,949.14	3/4	2,246.70	3/4	2,544.23	3/4	2,841.79	3/4
8	176.82	474.45	8	770.49	8	1,063.44	8	1,360.85	8	1,657.87	8	1,955.34	8	2,252.90	8	2,550.43	8	2,847.99	8
1/4	183.03	480.65	1/4	776.54	1/4	1,069.63	1/4	1,367.04	1/4	1,664.06	1/4	1,961.54	1/4	2,259.10	1/4	2,556.63	1/4	2,854.19	1/4
1/2	189.23	486.85	1/2	782.59	1/2	1,075.83	1/2	1,373.24	1/2	1,670.24	1/2	1,967.74	1/2	2,265.30	1/2	2,562.83	1/2	2,860.39	1/2
3/4	195.44	493.05	3/4	788.63	3/4	1,082.03	3/4	1,379.43	3/4	1,676.43	3/4	1,973.94	3/4	2,271.49	3/4	2,569.03	3/4	2,866.59	3/4
9	201.64	499.25	9	794.68	9	1,088.22	9	1,385.63	9	1,682.61	9	1,980.14	9	2,277.69	9	2,575.23	9	2,872.79	9
1/4	207.84	505.45	1/4	800.73	1/4	1,094.42	1/4	1,391.83	1/4	1,688.80	1/4	1,986.34	1/4	2,283.89	1/4	2,581.43	1/4	2,878.99	1/4
1/2	214.05	511.65	1/2	806.77	1/2	1,100.61	1/2	1,398.02	1/2	1,694.99	1/2	1,992.54	1/2	2,290.09	1/2	2,587.63	1/2	2,884.27	1/2
3/4	220.26	517.84	3/4	812.82	3/4	1,106.81	3/4	1,404.22	3/4	1,701.19	3/4	1,998.74	3/4	2,296.29	3/4	2,593.83	3/4	2,890.02	3/4
10	226.46	524.04	10	818.87	10	1,113.01	10	1,410.41	10	1,707.38	10	2,004.93	10	2,302.49	10	2,600.02	10	2,895.76	10
1/4	232.66	530.24	1/4	824.92	1/4	1,119.20	1/4	1,416.61	1/4	1,713.58	1/4	2,011.13	1/4	2,308.68	1/4	2,606.22	1/4	2,901.06	1/4
1/2	238.87	536.44	1/2	830.96	1/2	1,125.40	1/2	1,422.81	1/2	1,719.78	1/2	2,017.33	1/2	2,314.88	1/2	2,612.42	1/2	2,906.36	1/2
3/4	245.07	542.64	3/4	837.01	3/4	1,131.59	3/4	1,429.00	3/4	1,725.97	3/4	2,023.53	3/4	2,321.08	3/4	2,618.62	3/4	2,911.65	3/4
11	251.27	548.84	11	843.06	11	1,137.79	11	1,435.20	11	1,732.17	11	2,029.73	11	2,327.28	11	2,624.82	11	2,916.95	11
1/4	257.47	555.04	1/4	849.10	1/4	1,143.99	1/4	1,441.39	1/4	1,738.37	1/4	2,035.93	1/4	2,333.48	1/4	2,631.02	1/4	2,922.25	1/4
1/2	263.67	561.24	1/2	855.15	1/2	1,150.18	1/2	1,447.58	1/2	1,744.57	1/2	2,042.13	1/2	2,339.68	1/2	2,637.22	1/2	2,927.55	1/2
3/4	269.87	567.44	3/4	861.20	3/4	1,156.38	3/4	1,453.77	3/4	1,750.77	3/4	2,048.33	3/4	2,345.87	3/4	2,643.42	3/4	2,932.85	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 INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-03" 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"

# 1 CENTER INNAGE 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	2,938.16	3,192.67	3,447.18	3,701.69	3,954.81	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	2,943.46	3,197.97	3,452.48	3,706.99	3,958.52	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	2,948.76	3,203.27	3,457.78	3,712.29	3,962.22	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	2,954.06	3,208.57	3,463.08	3,717.60	3,965.93	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	2,959.37	3,213.88	3,468.39	3,722.90	3,969.64	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	2,964.67	3,219.18	3,473.69	3,728.20	3,971.77	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	2,969.97	3,224.48	3,478.99	3,733.50	3,973.90	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	2,975.27	3,229.78	3,484.29	3,738.80	3,976.04	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	2,980.58	3,235.09	3,489.60	3,744.11	3,978.17	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	2,985.88	3,240.39	3,494.90	3,749.41	3,979.81	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	2,991.18	3,245.69	3,500.20	3,754.71	3,981.45	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	2,996.48	3,250.99	3,505.50	3,760.01	3,983.09	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	3,001.78	3,256.30	3,510.81	3,765.32	3,984.73	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	3,007.09	3,261.60	3,516.11	3,770.62	3,986.37	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	3,012.39	3,266.90	3,521.41	3,775.92	3,988.01	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	3,017.69	3,272.20	3,526.71	3,781.22	3,989.65	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	3,022.99	3,277.50	3,532.01	3,786.53	3,991.29	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	3,028.30	3,282.81	3,537.32	3,791.83	3,992.93	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	3,033.60	3,288.11	3,542.62	3,797.13	3,994.57	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	3,038.90	3,293.41	3,547.92	3,802.43	3,996.21	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	3,044.20	3,298.71	3,553.22	3,807.73	3,997.85	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	3,049.51	3,304.02	3,558.53	3,813.04	3,999.49	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	3,054.81	3,309.32	3,563.83	3,818.34	4,001.13	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	3,060.11	3,314.62	3,569.13	3,823.64	4,002.77	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	3,065.41	3,319.92	3,574.43	3,828.94	4,004.41	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	3,070.71	3,325.23	3,579.74	3,834.25	4,006.05	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	3,076.02	3,330.53	3,585.04	3,839.55	4,007.69	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	3,081.32	3,335.83	3,590.34	3,844.85	4,009.33	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	3,086.62	3,341.13	3,595.64	3,850.15	4,010.97	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	3,091.92	3,346.43	3,600.94	3,855.46	4,012.61	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	3,097.23	3,351.74	3,606.25	3,860.76	4,014.25	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	3,102.53	3,357.04	3,611.55	3,866.06	4,015.89	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	3,107.83	3,362.34	3,616.85	3,871.36	4,017.53	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	3,113.13	3,367.64	3,622.15	3,876.67	4,019.17	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	3,118.44	3,372.95	3,627.46	3,881.97	4,020.81	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,123.74	3,378.25	3,632.76	3,887.27	4,022.45	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	3,129.04	3,383.55	3,638.06	3,892.58	4,024.09	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	3,134.34	3,388.85	3,643.36	3,897.87	4,025.73	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	3,139.64	3,394.15	3,648.67	3,903.17	4,027.37	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	3,144.95	3,399.46	3,653.97	3,908.47	4,029.01	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	3,150.25	3,404.76	3,659.27	3,913.77	4,030.65	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	3,155.55	3,410.06	3,664.57	3,919.04	4,032.29	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	3,160.85	3,415.36	3,669.87	3,924.32	4,033.93	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	3,166.16	3,420.67	3,675.18	3,929.60	4,035.57	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	3,171.46	3,425.97	3,680.48	3,934.88	4,037.21	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	3,176.76	3,431.27	3,685.78	3,939.86	4,038.85	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	3,182.06	3,436.57	3,691.08	3,944.85	4,040.49	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	3,187.37	3,441.88	3,696.39	3,949.83	4,042.13	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

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 INNAGE 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	241.14	0	504.58	0	764.12	0	1,025.47	0	1,288.92	0	1,552.37	0	1,815.82	0	2,079.26	0	2,342.71	
1/4	4.26	246.63	1/4	510.06	1/4	769.45	1/4	1,030.96	1/4	1,294.41	1/4	1,557.86	1/4	1,821.30	1/4	2,084.75	1/4	2,348.20	
1/2	6.11	252.11	1/2	515.55	1/2	774.79	1/2	1,036.45	1/2	1,299.90	1/2	1,563.34	1/2	1,826.79	1/2	2,090.24	1/2	2,353.69	
3/4	7.94	257.60	3/4	521.04	3/4	780.13	3/4	1,041.94	3/4	1,305.39	3/4	1,568.83	3/4	1,832.28	3/4	2,095.73	3/4	2,359.18	
1	9.77	263.09	1	526.53	1	785.47	1	1,047.43	1	1,310.87	1	1,574.32	1	1,837.77	1	2,101.22	1	2,364.67	
1/4	13.43	268.58	1/4	532.02	1/4	790.81	1/4	1,052.91	1/4	1,316.36	1/4	1,579.81	1/4	1,843.26	1/4	2,106.71	1/4	2,370.15	
1/2	17.08	274.07	1/2	537.51	1/2	796.15	1/2	1,058.40	1/2	1,321.85	1/2	1,585.30	1/2	1,848.75	1/2	2,112.19	1/2	2,375.64	
3/4	20.74	279.56	3/4	542.99	3/4	801.49	3/4	1,063.89	3/4	1,327.34	3/4	1,590.79	3/4	1,854.24	3/4	2,117.68	3/4	2,381.13	
2	24.39	285.04	2	548.48	2	806.82	2	1,069.38	2	1,332.83	2	1,596.28	2	1,859.72	2	2,123.17	2	2,386.62	
1/4	29.36	290.53	1/4	553.97	1/4	812.16	1/4	1,074.87	1/4	1,338.32	1/4	1,601.76	1/4	1,865.21	1/4	2,128.66	1/4	2,392.11	
1/2	34.33	296.02	1/2	559.46	1/2	817.50	1/2	1,080.36	1/2	1,343.80	1/2	1,607.25	1/2	1,870.70	1/2	2,134.15	1/2	2,397.60	
3/4	39.30	301.51	3/4	564.95	3/4	822.84	3/4	1,085.85	3/4	1,349.29	3/4	1,612.74	3/4	1,876.19	3/4	2,139.64	3/4	2,403.09	
3	44.27	307.00	3	570.44	3	828.18	3	1,091.33	3	1,354.78	3	1,618.23	3	1,881.68	3	2,145.13	3	2,408.57	
1/4	49.67	312.49	1/4	575.92	1/4	833.60	1/4	1,096.82	1/4	1,360.27	1/4	1,623.72	1/4	1,887.17	1/4	2,150.61	1/4	2,414.06	
1/2	55.07	317.97	1/2	581.41	1/2	839.01	1/2	1,102.31	1/2	1,365.76	1/2	1,629.21	1/2	1,892.65	1/2	2,156.10	1/2	2,419.55	
3/4	60.47	323.46	3/4	586.90	3/4	844.43	3/4	1,107.80	3/4	1,371.25	3/4	1,634.70	3/4	1,898.14	3/4	2,161.59	3/4	2,425.04	
4	65.87	328.95	4	592.39	4	849.84	4	1,113.29	4	1,376.74	4	1,640.18	4	1,903.63	4	2,167.08	4	2,430.53	
1/4	71.31	334.44	1/4	597.88	1/4	855.33	1/4	1,118.78	1/4	1,382.22	1/4	1,645.67	1/4	1,909.12	1/4	2,172.57	1/4	2,436.02	
1/2	76.75	339.93	1/2	603.37	1/2	860.82	1/2	1,124.26	1/2	1,387.71	1/2	1,651.16	1/2	1,914.61	1/2	2,178.06	1/2	2,441.50	
3/4	82.19	345.42	3/4	608.85	3/4	866.31	3/4	1,129.75	3/4	1,393.20	3/4	1,656.65	3/4	1,920.10	3/4	2,183.55	3/4	2,446.99	
5	87.63	350.90	5	614.34	5	871.79	5	1,135.24	5	1,398.69	5	1,662.14	5	1,925.59	5	2,189.03	5	2,452.48	
1/4	93.09	356.39	1/4	619.76	1/4	877.28	1/4	1,140.73	1/4	1,404.18	1/4	1,667.63	1/4	1,931.07	1/4	2,194.52	1/4	2,457.97	
1/2	98.56	361.88	1/2	625.17	1/2	882.77	1/2	1,146.22	1/2	1,409.67	1/2	1,673.11	1/2	1,936.56	1/2	2,200.01	1/2	2,463.46	
3/4	104.02	367.37	3/4	630.58	3/4	888.26	3/4	1,151.71	3/4	1,415.16	3/4	1,678.60	3/4	1,942.05	3/4	2,205.50	3/4	2,468.95	
6	109.48	372.86	6	636.00	6	893.75	6	1,157.20	6	1,420.64	6	1,684.09	6	1,947.54	6	2,210.99	6	2,474.44	
1/4	114.96	378.34	1/4	641.34	1/4	899.24	1/4	1,162.68	1/4	1,426.13	1/4	1,689.58	1/4	1,953.03	1/4	2,216.48	1/4	2,479.92	
1/2	120.43	383.83	1/2	646.67	1/2	904.72	1/2	1,168.17	1/2	1,431.62	1/2	1,695.07	1/2	1,958.52	1/2	2,221.96	1/2	2,485.41	
3/4	125.91	389.32	3/4	652.01	3/4	910.21	3/4	1,173.66	3/4	1,437.11	3/4	1,700.56	3/4	1,964.01	3/4	2,227.45	3/4	2,490.90	
7	131.39	394.81	7	657.35	7	915.70	7	1,179.15	7	1,442.60	7	1,706.05	7	1,969.49	7	2,232.94	7	2,496.39	
1/4	136.87	400.30	1/4	662.69	1/4	921.19	1/4	1,184.64	1/4	1,448.09	1/4	1,711.53	1/4	1,974.98	1/4	2,238.43	1/4	2,501.88	
1/2	142.36	405.79	1/2	668.03	1/2	926.68	1/2	1,190.13	1/2	1,453.57	1/2	1,717.02	1/2	1,980.47	1/2	2,243.92	1/2	2,507.37	
3/4	147.84	411.27	3/4	673.37	3/4	932.17	3/4	1,195.62	3/4	1,459.06	3/4	1,722.51	3/4	1,985.96	3/4	2,249.41	3/4	2,512.86	
8	153.33	416.76	8	678.70	8	937.66	8	1,201.10	8	1,464.55	8	1,728.00	8	1,991.45	8	2,254.90	8	2,518.34	
1/4	158.82	422.25	1/4	684.04	1/4	943.14	1/4	1,206.59	1/4	1,470.04	1/4	1,733.49	1/4	1,996.94	1/4	2,260.38	1/4	2,523.83	
1/2	164.30	427.74	1/2	689.38	1/2	948.63	1/2	1,212.08	1/2	1,475.53	1/2	1,738.98	1/2	2,002.42	1/2	2,265.87	1/2	2,529.32	
3/4	169.79	433.23	3/4	694.72	3/4	954.12	3/4	1,217.57	3/4	1,481.02	3/4	1,744.47	3/4	2,007.91	3/4	2,271.36	3/4	2,534.81	
9	175.28	438.72	9	700.06	9	959.61	9	1,223.06	9	1,486.51	9	1,749.95	9	2,013.40	9	2,276.85	9	2,540.30	
1/4	180.77	444.20	1/4	705.40	1/4	965.10	1/4	1,228.55	1/4	1,491.99	1/4	1,755.44	1/4	2,018.89	1/4	2,282.34	1/4	2,545.79	
1/2	186.25	449.69	1/2	710.73	1/2	970.59	1/2	1,234.03	1/2	1,497.48	1/2	1,760.93	1/2	2,024.38	1/2	2,287.83	1/2	2,551.27	
3/4	191.74	455.18	3/4	716.07	3/4	976.08	3/4	1,239.52	3/4	1,502.97	3/4	1,766.42	3/4	2,029.87	3/4	2,293.32	3/4	2,556.76	
10	197.23	460.67	10	721.41	10	981.56	10	1,245.01	10	1,508.46	10	1,771.91	10	2,035.36	10	2,298.80	10	2,562.25	
1/4	202.72	466.16	1/4	726.75	1/4	987.05	1/4	1,250.50	1/4	1,513.95	1/4	1,777.40	1/4	2,040.84	1/4	2,304.29	1/4	2,567.74	
1/2	208.21	471.65	1/2	732.09	1/2	992.54	1/2	1,255.99	1/2	1,519.44	1/2	1,782.88	1/2	2,046.33	1/2	2,309.78	1/2	2,573.23	
3/4	213.70	477.13	3/4	737.43	3/4	998.03	3/4	1,261.48	3/4	1,524.93	3/4	1,788.37	3/4	2,051.82	3/4	2,315.27	3/4	2,578.72	
11	219.18	482.62	11	742.76	11	1,003.52	11	1,266.97	11	1,530.41	11	1,793.86	11	2,057.31	11	2,320.76	11	2,584.21	
1/4	224.67	488.11	1/4	748.10	1/4	1,009.01	1/4	1,272.45	1/4	1,535.90	1/4	1,799.35	1/4	2,062.80	1/4	2,326.25	1/4	2,589.69	
1/2	230.16	493.60	1/2	753.44	1/2	1,014.49	1/2	1,277.94	1/2	1,541.39	1/2	1,804.84	1/2	2,068.29	1/2	2,331.73	1/2	2,595.18	
3/4	235.65	499.09	3/4	758.78	3/4	1,019.98	3/4	1,283.43	3/4	1,546.88	3/4	1,810.33	3/4	2,073.78	3/4	2,337.22	3/4	2,600.67	

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 INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE  
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 25'-00" FORWARD OF AFT BULKHEAD

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





# BARGE "IB 1086"

# 2 CENTER INNAGE 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
1/4	2,606.16	2,869.61	3,133.06	3,396.50	3,658.74	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/2	2,611.65	2,875.10	3,138.54	3,401.99	3,662.82	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
3/4	2,617.14	2,880.58	3,144.03	3,407.48	3,666.90	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	2,622.63	2,886.07	3,149.52	3,412.97	3,670.98	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 1/4	2,628.11	2,891.56	3,155.01	3,418.46	3,675.06	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1 1/2	2,633.60	2,897.05	3,160.50	3,423.95	3,677.34	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 1/4	1 1/4
1 3/4	2,639.09	2,902.54	3,165.99	3,429.43	3,679.63	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	1 1/2	1 1/2
2	2,644.58	2,908.03	3,171.48	3,434.92	3,681.92	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 1/4	2,650.07	2,913.52	3,176.96	3,440.41	3,684.20	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2 1/2	2,655.56	2,919.00	3,182.45	3,445.90	3,686.48	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 1/4	1 1/4
2 3/4	2,661.04	2,924.49	3,187.94	3,451.39	3,688.76	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	1 1/2	1 1/2
3	2,666.53	2,929.98	3,193.43	3,456.88	3,691.04	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 1/4	2,672.02	2,935.47	3,198.92	3,462.37	3,693.32	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3 1/2	2,677.51	2,940.96	3,204.41	3,467.85	3,695.60	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 1/4	1 1/4
3 3/4	2,683.00	2,946.45	3,209.89	3,473.34	3,697.88	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	1 1/2	1 1/2
4	2,688.49	2,951.94	3,215.38	3,478.83	3,700.16	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 1/4	2,693.98	2,957.42	3,220.87	3,484.32	3,702.44	4	4	4	4	4	4	4	4	4	4	4	4	4	4
4 1/2	2,699.46	2,962.91	3,226.36	3,489.81	3,704.72	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 1/4	1 1/4
4 3/4	2,704.95	2,968.40	3,231.85	3,495.30	3,707.00	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	1 1/2	1 1/2
5	2,710.44	2,973.89	3,237.34	3,500.79	3,709.28	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 1/4	2,715.93	2,979.38	3,242.83	3,506.27	3,711.56	5	5	5	5	5	5	5	5	5	5	5	5	5	5
5 1/2	2,721.42	2,984.87	3,248.31	3,511.76	3,713.84	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 1/4	1 1/4
5 3/4	2,726.91	2,990.35	3,253.80	3,517.25	3,716.12	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	1 1/2	1 1/2
6	2,732.40	2,995.84	3,259.29	3,522.74	3,718.40	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 1/4	2,737.88	3,001.33	3,264.78	3,528.23	3,720.68	6	6	6	6	6	6	6	6	6	6	6	6	6	6
6 1/2	2,743.37	3,006.82	3,270.27	3,533.72	3,722.96	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 1/4	1 1/4
6 3/4	2,748.86	3,012.31	3,275.76	3,539.20	3,725.24	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	1 1/2	1 1/2
7	2,754.35	3,017.80	3,281.25	3,544.69	3,727.52	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 1/4	2,759.84	3,023.29	3,286.73	3,550.18	3,729.80	7	7	7	7	7	7	7	7	7	7	7	7	7	7
7 1/2	2,765.33	3,028.77	3,292.22	3,555.67	3,732.08	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 1/4	1 1/4
7 3/4	2,770.81	3,034.26	3,297.71	3,561.16	3,734.36	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	1 1/2	1 1/2
8	2,776.30	3,039.75	3,303.20	3,566.65	3,736.64	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 1/4	2,781.79	3,045.24	3,308.69	3,572.14	3,738.92	8	8	8	8	8	8	8	8	8	8	8	8	8	8
8 1/2	2,787.28	3,050.73	3,314.18	3,577.63	3,741.20	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 1/4	1 1/4
8 3/4	2,792.77	3,056.22	3,319.66	3,583.12	3,743.48	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	1 1/2	1 1/2
9	2,803.75	3,061.71	3,325.15	3,588.62	3,745.76	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 1/4	2,809.23	3,067.19	3,330.64	3,594.11	3,748.04	9	9	9	9	9	9	9	9	9	9	9	9	9	9
9 1/2	2,814.72	3,072.68	3,336.13	3,599.60	3,750.32	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 1/4	1 1/4
10	2,820.21	3,078.17	3,341.62	3,605.08	3,752.60	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	1 1/2	1 1/2
10 1/4	2,825.70	3,083.66	3,347.11	3,610.56	3,754.88	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 1/2	2,831.19	3,089.15	3,352.60	3,616.05	3,757.16	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10 3/4	2,836.68	3,094.64	3,358.08	3,621.52	3,759.44	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 1/4	1 1/4
11	2,842.17	3,100.12	3,363.57	3,626.98	3,761.72	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	1 1/2	1 1/2
11 1/4	2,847.65	3,105.61	3,369.06	3,632.45	3,764.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11 1/2	2,853.14	3,111.11	3,374.55	3,637.92	3,766.28	11	11	11	11	11	11	11	11	11	11	11	11	11	11
11 3/4	2,858.63	3,116.59	3,380.04	3,643.12	3,768.56	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 1/4	1 1/4
12	2,864.12	3,122.08	3,385.53	3,648.33	3,770.84	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	1 1/2	1 1/2
12 1/4		3,127.57	3,391.02	3,653.54	3,773.12	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

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 INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	2.44	0	239.28	0	500.68	0	761.81	0	1,023.09	0	1,284.50	0	1,545.91	0	1,807.32	0	2,068.74	0	2,330.15
1/4	4.26	1/4	244.73	1/4	506.13	1/4	767.25	1/4	1,028.53	1/4	1,289.94	1/4	1,551.36	1/4	1,812.77	1/4	2,074.18	1/4	2,335.60
1/2	6.07	1/2	250.17	1/2	511.57	1/2	772.68	1/2	1,033.98	1/2	1,295.39	1/2	1,556.80	1/2	1,818.22	1/2	2,079.63	1/2	2,341.04
3/4	7.89	3/4	255.62	3/4	517.02	3/4	778.12	3/4	1,039.42	3/4	1,300.84	3/4	1,562.25	3/4	1,823.66	3/4	2,085.07	3/4	2,346.49
1	9.70	1	261.06	1	522.47	1	783.55	1	1,044.87	1	1,306.28	1	1,567.70	1	1,829.11	1	2,090.52	1	2,351.93
1/4	13.33	1/4	266.51	1/4	527.91	1/4	788.99	1/4	1,050.32	1/4	1,311.73	1/4	1,573.14	1/4	1,834.55	1/4	2,095.97	1/4	2,357.38
1/2	16.96	1/2	271.96	1/2	533.36	1/2	794.43	1/2	1,055.76	1/2	1,317.17	1/2	1,578.59	1/2	1,840.00	1/2	2,101.41	1/2	2,362.83
3/4	20.58	3/4	277.40	3/4	538.80	3/4	799.86	3/4	1,061.21	3/4	1,322.62	3/4	1,584.03	3/4	1,845.45	3/4	2,106.86	3/4	2,368.27
2	24.21	2	282.85	2	544.25	2	805.30	2	1,066.65	2	1,328.07	2	1,589.48	2	1,850.89	2	2,112.31	2	2,373.72
1/4	29.14	1/4	288.29	1/4	549.70	1/4	810.73	1/4	1,072.10	1/4	1,333.51	1/4	1,594.93	1/4	1,856.34	1/4	2,117.75	1/4	2,379.16
1/2	34.07	1/2	293.74	1/2	555.14	1/2	816.17	1/2	1,077.55	1/2	1,338.96	1/2	1,600.37	1/2	1,861.78	1/2	2,123.20	1/2	2,384.61
3/4	39.00	3/4	299.18	3/4	560.59	3/4	821.61	3/4	1,082.99	3/4	1,344.41	3/4	1,605.82	3/4	1,867.23	3/4	2,128.64	3/4	2,390.06
3	43.94	3	304.63	3	566.03	3	827.04	3	1,088.44	3	1,349.85	3	1,611.26	3	1,872.68	3	2,134.09	3	2,395.50
1/4	49.30	1/4	310.08	1/4	571.48	1/4	832.49	1/4	1,093.88	1/4	1,355.30	1/4	1,616.71	1/4	1,878.12	1/4	2,139.54	1/4	2,400.95
1/2	54.65	1/2	315.52	1/2	576.93	1/2	837.93	1/2	1,099.33	1/2	1,360.74	1/2	1,622.16	1/2	1,883.57	1/2	2,144.98	1/2	2,406.39
3/4	60.01	3/4	320.97	3/4	582.37	3/4	843.37	3/4	1,104.78	3/4	1,366.19	3/4	1,627.60	3/4	1,889.02	3/4	2,150.43	3/4	2,411.84
4	65.37	4	326.41	4	587.82	4	848.81	4	1,110.22	4	1,371.64	4	1,633.05	4	1,894.46	4	2,155.87	4	2,417.29
1/4	70.77	1/4	331.86	1/4	593.26	1/4	854.26	1/4	1,115.67	1/4	1,377.08	1/4	1,638.49	1/4	1,899.91	1/4	2,161.32	1/4	2,422.73
1/2	76.16	1/2	337.31	1/2	598.71	1/2	859.70	1/2	1,121.12	1/2	1,382.53	1/2	1,643.94	1/2	1,905.35	1/2	2,166.77	1/2	2,428.18
3/4	81.56	3/4	342.75	3/4	604.15	3/4	865.15	3/4	1,126.56	3/4	1,387.97	3/4	1,649.39	3/4	1,910.80	3/4	2,172.21	3/4	2,433.63
5	86.96	5	348.20	5	609.60	5	870.59	5	1,132.01	5	1,393.42	5	1,654.83	5	1,916.25	5	2,177.66	5	2,439.07
1/4	92.38	1/4	353.64	1/4	615.04	1/4	876.04	1/4	1,137.45	1/4	1,398.87	1/4	1,660.28	1/4	1,921.69	1/4	2,183.10	1/4	2,444.52
1/2	97.80	1/2	359.09	1/2	620.48	1/2	881.49	1/2	1,142.90	1/2	1,404.31	1/2	1,665.72	1/2	1,927.14	1/2	2,188.55	1/2	2,449.96
3/4	103.22	3/4	364.54	3/4	625.92	3/4	886.93	3/4	1,148.35	3/4	1,409.76	3/4	1,671.17	3/4	1,932.58	3/4	2,194.00	3/4	2,455.41
6	108.64	6	369.98	6	631.36	6	892.38	6	1,153.79	6	1,415.20	6	1,676.62	6	1,938.03	6	2,199.44	6	2,460.86
1/4	114.07	1/4	375.43	1/4	636.80	1/4	897.82	1/4	1,159.24	1/4	1,420.65	1/4	1,682.06	1/4	1,943.88	1/4	2,204.89	1/4	2,466.30
1/2	119.51	1/2	380.87	1/2	642.24	1/2	903.27	1/2	1,164.68	1/2	1,426.10	1/2	1,687.51	1/2	1,948.92	1/2	2,210.33	1/2	2,471.75
3/4	124.94	3/4	386.32	3/4	647.67	3/4	908.72	3/4	1,170.13	3/4	1,431.54	3/4	1,692.96	3/4	1,954.37	3/4	2,215.78	3/4	2,477.19
7	130.38	7	391.76	7	653.11	7	914.16	7	1,175.58	7	1,436.99	7	1,698.40	7	1,959.81	7	2,221.23	7	2,482.64
1/4	135.82	1/4	397.21	1/4	658.54	1/4	919.61	1/4	1,181.02	1/4	1,442.43	1/4	1,703.85	1/4	1,965.26	1/4	2,226.67	1/4	2,488.09
1/2	141.26	1/2	402.66	1/2	663.98	1/2	925.06	1/2	1,186.47	1/2	1,447.88	1/2	1,709.29	1/2	1,970.71	1/2	2,232.12	1/2	2,493.53
3/4	146.71	3/4	408.10	3/4	669.41	3/4	930.50	3/4	1,191.91	3/4	1,453.33	3/4	1,714.74	3/4	1,976.15	3/4	2,237.57	3/4	2,498.98
8	152.15	8	413.55	8	674.85	8	935.95	8	1,197.36	8	1,458.77	8	1,720.19	8	1,981.60	8	2,243.01	8	2,504.42
1/4	157.59	1/4	418.99	1/4	680.28	1/4	941.39	1/4	1,202.81	1/4	1,464.22	1/4	1,725.63	1/4	1,987.04	1/4	2,248.46	1/4	2,509.87
1/2	163.04	1/2	424.44	1/2	685.72	1/2	946.84	1/2	1,208.25	1/2	1,469.67	1/2	1,731.08	1/2	1,992.49	1/2	2,253.90	1/2	2,515.32
3/4	168.48	3/4	429.89	3/4	691.15	3/4	952.29	3/4	1,213.70	3/4	1,475.11	3/4	1,736.52	3/4	1,997.94	3/4	2,259.35	3/4	2,520.76
9	173.93	9	435.33	9	696.59	9	957.73	9	1,219.14	9	1,480.56	9	1,741.97	9	2,003.38	9	2,264.80	9	2,526.21
1/4	179.38	1/4	440.78	1/4	702.02	1/4	963.18	1/4	1,224.59	1/4	1,486.00	1/4	1,747.42	1/4	2,008.83	1/4	2,270.24	1/4	2,531.65
1/2	184.82	1/2	446.22	1/2	707.46	1/2	968.62	1/2	1,230.04	1/2	1,491.45	1/2	1,752.86	1/2	2,014.28	1/2	2,275.69	1/2	2,537.10
3/4	190.27	3/4	451.67	3/4	712.89	3/4	974.07	3/4	1,235.48	3/4	1,496.90	3/4	1,758.31	3/4	2,019.72	3/4	2,281.13	3/4	2,542.55
10	195.71	10	457.12	10	718.33	10	979.52	10	1,240.93	10	1,502.34	10	1,763.75	10	2,025.17	10	2,286.58	10	2,549.99
1/4	201.16	1/4	462.56	1/4	723.76	1/4	984.96	1/4	1,246.38	1/4	1,507.79	1/4	1,769.20	1/4	2,030.61	1/4	2,292.03	1/4	2,553.44
1/2	206.60	1/2	468.01	1/2	729.20	1/2	990.41	1/2	1,251.82	1/2	1,513.23	1/2	1,774.65	1/2	2,036.06	1/2	2,297.47	1/2	2,558.89
3/4	212.05	3/4	473.45	3/4	734.64	3/4	995.85	3/4	1,257.27	3/4	1,518.68	3/4	1,780.09	3/4	2,041.51	3/4	2,302.92	3/4	2,564.33
11	217.50	11	478.90	11	740.07	11	1,001.30	11	1,262.71	11	1,524.13	11	1,785.54	11	2,046.95	11	2,308.36	11	2,569.78
1/4	222.94	1/4	484.35	1/4	745.51	1/4	1,006.75	1/4	1,268.16	1/4	1,529.57	1/4	1,790.99	1/4	2,052.40	1/4	2,313.81	1/4	2,575.22
1/2	228.39	1/2	489.79	1/2	750.94	1/2	1,012.19	1/2	1,273.61	1/2	1,535.02	1/2	1,796.43	1/2	2,057.84	1/2	2,319.26	1/2	2,580.67
3/4	233.83	3/4	495.24	3/4	756.38	3/4	1,017.64	3/4	1,279.05	3/4	1,540.46	3/4	1,801.88	3/4	2,063.29	3/4	2,324.70	3/4	2,586.12

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 INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-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"

# 3 CENTER INNAGE 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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	2,591.56	2,852.97	3,114.39	3,375.80	3,636.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/2	2,597.01	2,858.42	3,119.83	3,381.25	3,640.05	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
3/4	2,602.45	2,863.87	3,125.28	3,386.69	3,644.10	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	2,607.90	2,869.31	3,130.73	3,392.14	3,648.15	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 1/4	2,613.35	2,874.76	3,136.17	3,397.58	3,652.19	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1 1/2	2,618.79	2,880.21	3,141.62	3,403.03	3,654.46	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 1/4	1 1/4
1 3/4	2,624.24	2,885.65	3,147.06	3,408.48	3,656.73	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	1 1/2	1 1/2
2	2,629.68	2,891.10	3,152.51	3,413.92	3,659.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2 1/4	2,635.13	2,896.54	3,157.96	3,419.37	3,661.27	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2 1/2	2,640.58	2,901.99	3,163.40	3,424.82	3,663.54	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 1/4	1 1/4
2 3/4	2,646.02	2,907.44	3,168.85	3,430.26	3,665.81	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	1 1/2	1 1/2
3	2,651.47	2,912.88	3,174.29	3,435.71	3,668.08	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 1/4	2,656.92	2,918.33	3,179.74	3,441.15	3,670.35	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3 1/2	2,662.36	2,923.77	3,185.19	3,446.60	3,672.62	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 1/4	1 1/4
3 3/4	2,667.81	2,929.22	3,190.63	3,452.05	3,674.89	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	1 1/2	1 1/2
4	2,673.25	2,934.67	3,196.08	3,457.49	3,677.16	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 1/4	2,678.70	2,940.11	3,201.53	3,462.94	3,679.43	4	4	4	4	4	4	4	4	4	4	4	4	4	4
4 1/2	2,684.15	2,945.56	3,206.97	3,468.38	3,681.69	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 1/4	1 1/4
4 3/4	2,689.59	2,951.00	3,212.42	3,473.83	3,683.94	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	1 1/2	1 1/2
5	2,695.04	2,956.45	3,217.86	3,479.28	3,686.19	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 1/4	2,700.48	2,961.90	3,223.31	3,484.72	3,688.44	5	5	5	5	5	5	5	5	5	5	5	5	5	5
5 1/2	2,705.93	2,967.34	3,228.76	3,490.17	3,690.69	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 1/4	1 1/4
5 3/4	2,711.38	2,972.79	3,234.20	3,495.61	3,692.94	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	1 1/2	1 1/2
6	2,716.82	2,978.24	3,239.65	3,501.06	3,695.19	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 1/4	2,722.27	2,983.68	3,245.09	3,506.51	3,697.44	6	6	6	6	6	6	6	6	6	6	6	6	6	6
6 1/2	2,727.71	2,989.13	3,250.54	3,511.95	3,699.69	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 1/4	1 1/4
6 3/4	2,733.16	2,994.57	3,255.99	3,517.40	3,702.14	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	1 1/2	1 1/2
7	2,738.61	3,000.02	3,261.43	3,522.85	3,704.39	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 1/4	2,744.05	3,005.47	3,266.88	3,528.29	3,706.64	7	7	7	7	7	7	7	7	7	7	7	7	7	7
7 1/2	2,749.50	3,010.91	3,272.32	3,533.74	3,708.89	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 1/4	1 1/4
7 3/4	2,754.94	3,016.36	3,277.77	3,539.18	3,711.14	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	1 1/2	1 1/2
8	2,760.39	3,021.80	3,283.22	3,544.63	3,713.39	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 1/4	2,765.84	3,027.25	3,288.66	3,550.08	3,715.64	8	8	8	8	8	8	8	8	8	8	8	8	8	8
8 1/2	2,771.28	3,032.70	3,294.11	3,555.53	3,717.89	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 1/4	1 1/4
8 3/4	2,776.73	3,038.14	3,299.56	3,560.98	3,720.14	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	1 1/2	1 1/2
9	2,782.18	3,043.59	3,305.00	3,566.43	3,722.39	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 1/4	2,787.62	3,049.03	3,310.45	3,571.88	3,724.64	9	9	9	9	9	9	9	9	9	9	9	9	9	9
9 1/2	2,793.07	3,054.48	3,315.89	3,577.32	3,726.89	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 1/4	1 1/4
9 3/4	2,798.51	3,059.93	3,321.34	3,582.76	3,729.14	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	1 1/2	1 1/2
10	2,803.96	3,065.37	3,326.79	3,588.20	3,731.39	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 1/4	2,809.41	3,070.82	3,332.23	3,593.64	3,733.64	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10 1/2	2,814.85	3,076.26	3,337.68	3,599.07	3,735.89	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 1/4	1 1/4
10 3/4	2,820.30	3,081.71	3,343.12	3,604.49	3,738.14	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	1 1/2	1 1/2
11	2,825.74	3,087.16	3,348.57	3,609.92	3,740.39	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 1/4	2,831.19	3,092.60	3,354.02	3,615.34	3,742.64	11	11	11	11	11	11	11	11	11	11	11	11	11	11
11 1/2	2,836.64	3,098.05	3,359.46	3,620.78	3,744.89	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 1/4	1 1/4
11 3/4	2,842.08	3,103.50	3,364.91	3,626.23	3,747.14	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	1 1/2	1 1/2
12	2,847.53	3,108.94	3,370.35	3,631.68	3,749.39	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

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

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