



# BARGE "IB 1110"

## 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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
2 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
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:

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 3/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 3/8"

LENGTH BETWEEN DRAFT MARKS: 163'-00"

May 23, 2018

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

<http://www.pmacorp.net>



# BARGE "IB 1110"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-02 1/2"

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	0	0	3,748.01	0	3,493.95	0	3,239.89	0	2,985.83	0	2,706.76	0	2,409.74	0	2,112.73	0	1,815.71		
1/4	1/4	1/4	3,742.72	1/4	3,488.66	1/4	3,234.60	1/4	2,980.54	1/4	2,700.57	1/4	2,403.55	1/4	2,106.54	1/4	1,809.52		
1/2	1/2	1/2	3,971.06	1/2	3,737.42	1/2	3,483.36	1/2	3,229.31	1/2	2,975.25	1/2	2,694.38	1/2	2,397.37	1/2	2,100.36	1/2	1,803.33
3/4	3/4	3/4	3,968.93	3/4	3,732.13	3/4	3,478.07	3/4	3,224.01	3/4	2,969.95	3/4	2,688.20	3/4	2,391.18	3/4	2,094.17	3/4	1,797.14
1	1	1	3,966.80	1	3,726.84	1	3,472.78	1	3,218.72	1	2,964.66	1	2,682.01	1	2,384.99	1	2,087.98	1	1,790.96
1/4	1/4	1/4	3,964.67	1/4	3,721.55	1/4	3,467.49	1/4	3,213.43	1/4	2,959.37	1/4	2,675.82	1/4	2,378.80	1/4	2,081.79	1/4	1,784.77
1/2	1/2	1/2	3,962.54	1/2	3,716.25	1/2	3,462.19	1/2	3,208.13	1/2	2,954.07	1/2	2,669.63	1/2	2,372.62	1/2	2,075.60	1/2	1,778.58
3/4	3/4	3/4	3,958.84	3/4	3,710.96	3/4	3,456.90	3/4	3,202.84	3/4	2,948.78	3/4	2,663.44	3/4	2,366.43	3/4	2,069.42	3/4	1,772.39
2	2	2	3,955.14	2	3,705.67	2	3,451.61	2	3,197.55	2	2,943.49	2	2,657.26	2	2,360.24	2	2,063.23	2	1,766.20
1/4	1/4	1/4	3,951.44	1/4	3,700.37	1/4	3,446.31	1/4	3,192.26	1/4	2,938.20	1/4	2,651.07	1/4	2,354.05	1/4	2,057.04	1/4	1,760.02
1/2	1/2	1/2	3,947.74	1/2	3,695.08	1/2	3,441.02	1/2	3,186.96	1/2	2,932.90	1/2	2,644.88	1/2	2,347.87	1/2	2,050.85	1/2	1,753.83
3/4	3/4	3/4	3,942.76	3/4	3,689.79	3/4	3,435.73	3/4	3,181.67	3/4	2,927.61	3/4	2,638.69	3/4	2,341.68	3/4	2,044.66	3/4	1,747.64
3	3	3	3,937.79	3	3,684.49	3	3,430.44	3	3,176.38	3	2,922.32	3	2,632.50	3	2,335.49	3	2,038.48	3	1,741.45
1/4	1/4	1/4	3,932.82	1/4	3,679.20	1/4	3,425.14	1/4	3,171.08	1/4	2,917.02	1/4	2,626.32	1/4	2,329.30	1/4	2,032.29	1/4	1,735.26
1/2	1/2	1/2	3,927.84	1/2	3,673.91	1/2	3,419.85	1/2	3,165.79	1/2	2,911.73	1/2	2,620.13	1/2	2,323.12	1/2	2,026.10	1/2	1,729.08
3/4	3/4	3/4	3,922.58	3/4	3,668.62	3/4	3,414.56	3/4	3,160.50	3/4	2,906.45	3/4	2,613.94	3/4	2,316.93	3/4	2,019.91	3/4	1,722.89
4	4	4	3,917.31	4	3,663.32	4	3,409.26	4	3,155.20	4	2,901.16	4	2,607.75	4	2,310.74	4	2,013.72	4	1,716.70
1/4	1/4	1/4	3,912.04	1/4	3,658.03	1/4	3,403.97	1/4	3,149.91	1/4	2,895.87	1/4	2,601.56	1/4	2,304.56	1/4	2,007.54	1/4	1,710.51
1/2	1/2	1/2	3,906.77	1/2	3,652.74	1/2	3,398.68	1/2	3,144.62	1/2	2,890.59	1/2	2,595.38	1/2	2,298.37	1/2	2,001.35	1/2	1,704.32
3/4	3/4	3/4	3,901.48	3/4	3,647.44	3/4	3,393.39	3/4	3,139.33	3/4	2,884.85	3/4	2,589.19	3/4	2,292.18	3/4	1,995.16	3/4	1,698.14
5	5	5	3,896.19	5	3,642.15	5	3,388.09	5	3,134.03	5	2,879.12	5	2,583.00	5	2,285.99	5	1,988.97	5	1,691.96
1/4	1/4	1/4	3,890.90	1/4	3,636.86	1/4	3,382.80	1/4	3,128.74	1/4	2,873.38	1/4	2,576.81	1/4	2,279.81	1/4	1,982.78	1/4	1,685.78
1/2	1/2	1/2	3,885.62	1/2	3,631.57	1/2	3,377.51	1/2	3,123.45	1/2	2,867.65	1/2	2,570.62	1/2	2,273.62	1/2	1,976.60	1/2	1,679.60
3/4	3/4	3/4	3,880.33	3/4	3,626.27	3/4	3,372.21	3/4	3,118.15	3/4	2,861.46	3/4	2,564.44	3/4	2,267.43	3/4	1,970.41	3/4	1,673.43
6	6	6	3,875.04	6	3,620.98	6	3,366.92	6	3,112.86	6	2,855.27	6	2,558.25	6	2,261.24	6	1,964.22	6	1,667.25
1/4	1/4	1/4	3,869.74	1/4	3,615.69	1/4	3,361.63	1/4	3,107.57	1/4	2,849.08	1/4	2,552.06	1/4	2,255.06	1/4	1,958.03	1/4	1,661.08
1/2	1/2	1/2	3,864.45	1/2	3,610.39	1/2	3,356.34	1/2	3,102.28	1/2	2,842.90	1/2	2,545.87	1/2	2,248.87	1/2	1,951.84	1/2	1,654.91
3/4	3/4	3/4	3,859.16	3/4	3,605.10	3/4	3,351.04	3/4	3,096.98	3/4	2,836.71	3/4	2,539.68	3/4	2,242.68	3/4	1,945.66	3/4	1,648.73
7	7	7	3,853.87	7	3,599.81	7	3,345.75	7	3,091.69	7	2,830.52	7	2,533.50	7	2,236.49	7	1,939.47	7	1,642.56
1/4	1/4	1/4	3,848.57	1/4	3,594.52	1/4	3,340.46	1/4	3,086.40	1/4	2,824.33	1/4	2,527.31	1/4	2,230.30	1/4	1,933.28	1/4	1,636.39
1/2	1/2	1/2	3,843.28	1/2	3,589.22	1/2	3,335.16	1/2	3,081.10	1/2	2,818.14	1/2	2,521.12	1/2	2,224.12	1/2	1,927.09	1/2	1,630.21
3/4	3/4	3/4	3,837.99	3/4	3,583.93	3/4	3,329.87	3/4	3,075.81	3/4	2,811.96	3/4	2,514.93	3/4	2,217.93	3/4	1,920.90	3/4	1,624.04
8	8	8	3,832.70	8	3,578.64	8	3,324.58	8	3,070.52	8	2,805.77	8	2,508.74	8	2,211.74	8	1,914.72	8	1,617.86
1/4	1/4	1/4	3,827.40	1/4	3,573.34	1/4	3,319.28	1/4	3,065.23	1/4	2,799.58	1/4	2,502.56	1/4	2,205.55	1/4	1,908.53	1/4	1,611.69
1/2	1/2	1/2	3,822.11	1/2	3,568.05	1/2	3,313.99	1/2	3,059.93	1/2	2,793.39	1/2	2,496.37	1/2	2,199.36	1/2	1,902.34	1/2	1,605.52
3/4	3/4	3/4	3,816.82	3/4	3,562.76	3/4	3,308.70	3/4	3,054.64	3/4	2,787.20	3/4	2,490.18	3/4	2,193.18	3/4	1,896.15	3/4	1,599.34
9	9	9	3,811.52	9	3,557.47	9	3,303.41	9	3,049.35	9	2,781.02	9	2,483.99	9	2,186.99	9	1,889.96	9	1,593.17
1/4	1/4	1/4	3,806.23	1/4	3,552.17	1/4	3,298.11	1/4	3,044.05	1/4	2,774.83	1/4	2,477.80	1/4	2,180.80	1/4	1,883.78	1/4	1,587.00
1/2	1/2	1/2	3,800.94	1/2	3,546.88	1/2	3,292.82	1/2	3,038.76	1/2	2,768.64	1/2	2,471.62	1/2	2,174.61	1/2	1,877.59	1/2	1,580.82
3/4	3/4	3/4	3,795.65	3/4	3,541.59	3/4	3,287.53	3/4	3,033.47	3/4	2,762.45	3/4	2,465.43	3/4	2,168.42	3/4	1,871.40	3/4	1,574.65
10	10	10	3,790.35	10	3,536.29	10	3,282.23	10	3,028.18	10	2,756.26	10	2,459.24	10	2,162.24	10	1,865.21	10	1,568.47
1/4	1/4	1/4	3,785.06	1/4	3,531.00	1/4	3,276.94	1/4	3,022.88	1/4	2,750.08	1/4	2,453.05	1/4	2,156.05	1/4	1,859.02	1/4	1,562.30
1/2	1/2	1/2	3,779.77	1/2	3,525.71	1/2	3,271.65	1/2	3,017.59	1/2	2,743.89	1/2	2,446.86	1/2	2,149.86	1/2	1,852.84	1/2	1,556.13
3/4	3/4	3/4	3,774.47	3/4	3,520.41	3/4	3,266.36	3/4	3,012.30	3/4	2,737.70	3/4	2,440.68	3/4	2,143.67	3/4	1,846.65	3/4	1,549.95
11	11	11	3,769.18	11	3,515.12	11	3,261.06	11	3,007.00	11	2,731.51	11	2,434.49	11	2,137.48	11	1,840.46	11	1,543.78
1/4	1/4	1/4	3,763.89	1/4	3,509.83	1/4	3,255.77	1/4	3,001.71	1/4	2,725.32	1/4	2,428.30	1/4	2,131.30	1/4	1,834.27	1/4	1,537.61
1/2	1/2	1/2	3,758.60	1/2	3,504.54	1/2	3,250.48	1/2	2,996.42	1/2	2,719.14	1/2	2,422.11	1/2	2,125.11	1/2	1,828.08	1/2	1,531.43
3/4	3/4	3/4	3,753.30	3/4	3,499.24	3/4	3,245.18	3/4	2,991.12	3/4	2,712.95	3/4	2,415.93	3/4	2,118.92	3/4	1,821.90	3/4	1,525.26

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS 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 30'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "IB 1110"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,519.09	0	1,222.34	0	926.06	0	634.49	0	337.46	0	42.12	0		0		0		0	
1/4	1,512.91	1/4	1,216.16	1/4	920.02	1/4	628.31	1/4	331.27	1/4	36.50	1/4		1/4		1/4		1/4	
1/2	1,506.74	1/2	1,209.97	1/2	913.98	1/2	622.12	1/2	325.08	1/2	30.89	1/2		1/2		1/2		1/2	
3/4	1,500.56	3/4	1,203.79	3/4	907.95	3/4	615.93	3/4	318.90	3/4	26.76	3/4		3/4		3/4		3/4	
1	1,494.39	1	1,197.60	1	901.91	1	609.74	1	312.71	1	22.63	1		1		1		1	
1/4	1,488.22	1/4	1,191.42	1/4	895.88	1/4	603.55	1/4	306.52	1/4	18.50	1/4		1/4		1/4		1/4	
1/2	1,482.04	1/2	1,185.23	1/2	889.84	1/2	597.36	1/2	300.33	1/2	14.37	1/2		1/2		1/2		1/2	
3/4	1,475.87	3/4	1,179.05	3/4	883.80	3/4	591.18	3/4	294.14	3/4	12.31	3/4		3/4		3/4		3/4	
2	1,469.70	2	1,172.86	2	877.77	2	584.99	2	287.95	2	10.24	2		2		2		2	
1/4	1,463.52	1/4	1,166.68	1/4	871.73	1/4	578.80	1/4	281.76	1/4	8.17	1/4		1/4		1/4		1/4	
1/2	1,457.35	1/2	1,160.49	1/2	865.69	1/2	572.61	1/2	275.58	1/2	6.11	1/2		1/2		1/2		1/2	
3/4	1,451.17	3/4	1,154.31	3/4	859.66	3/4	566.42	3/4	269.39	3/4		3/4		3/4		3/4		3/4	
3	1,444.99	3	1,148.12	3	853.62	3	560.24	3	263.20	3		3		3		3		3	
1/4	1,438.81	1/4	1,141.94	1/4	847.59	1/4	554.05	1/4	257.01	1/4		1/4		1/4		1/4		1/4	
1/2	1,432.63	1/2	1,135.75	1/2	841.55	1/2	547.86	1/2	250.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,426.44	3/4	1,129.57	3/4	835.51	3/4	541.67	3/4	244.63	3/4		3/4		3/4		3/4		3/4	
4	1,420.26	4	1,123.38	4	829.48	4	535.48	4	238.44	4		4		4		4		4	
1/4	1,414.07	1/4	1,117.20	1/4	823.44	1/4	529.29	1/4	232.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,407.89	1/2	1,111.01	1/2	817.40	1/2	523.11	1/2	226.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,401.70	3/4	1,104.83	3/4	811.37	3/4	516.92	3/4	219.86	3/4		3/4		3/4		3/4		3/4	
5	1,395.52	5	1,098.64	5	805.33	5	510.73	5	213.67	5		5		5		5		5	
1/4	1,389.33	1/4	1,092.46	1/4	799.30	1/4	504.54	1/4	207.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,383.15	1/2	1,086.27	1/2	793.26	1/2	498.35	1/2	201.28	1/2		1/2		1/2		1/2		1/2	
3/4	1,376.96	3/4	1,080.09	3/4	787.22	3/4	492.17	3/4	195.09	3/4		3/4		3/4		3/4		3/4	
6	1,370.78	6	1,073.90	6	781.19	6	485.98	6	188.89	6		6		6		6		6	
1/4	1,364.60	1/4	1,067.72	1/4	775.15	1/4	479.79	1/4	182.70	1/4		1/4		1/4		1/4		1/4	
1/2	1,358.41	1/2	1,061.54	1/2	769.11	1/2	473.60	1/2	176.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,352.23	3/4	1,055.35	3/4	763.08	3/4	467.41	3/4	170.32	3/4		3/4		3/4		3/4		3/4	
7	1,346.04	7	1,049.17	7	757.04	7	461.22	7	164.13	7		7		7		7		7	
1/4	1,339.86	1/4	1,042.98	1/4	751.01	1/4	455.04	1/4	157.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,333.67	1/2	1,036.80	1/2	744.97	1/2	448.85	1/2	151.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,327.49	3/4	1,030.61	3/4	738.93	3/4	442.66	3/4	145.57	3/4		3/4		3/4		3/4		3/4	
8	1,321.30	8	1,024.43	8	732.90	8	436.47	8	139.38	8		8		8		8		8	
1/4	1,315.12	1/4	1,018.24	1/4	726.86	1/4	430.28	1/4	133.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,308.93	1/2	1,012.06	1/2	720.83	1/2	424.09	1/2	127.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,302.75	3/4	1,005.87	3/4	714.71	3/4	417.91	3/4	120.84	3/4		3/4		3/4		3/4		3/4	
9	1,296.56	9	999.69	9	708.60	9	411.72	9	114.67	9		9		9		9		9	
1/4	1,290.38	1/4	993.50	1/4	702.49	1/4	405.53	1/4	108.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,284.19	1/2	987.32	1/2	696.38	1/2	399.34	1/2	102.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,278.01	3/4	981.13	3/4	690.19	3/4	393.15	3/4	96.18	3/4		3/4		3/4		3/4		3/4	
10	1,271.82	10	974.95	10	684.00	10	386.97	10	90.04	10		10		10		10		10	
1/4	1,265.64	1/4	968.76	1/4	677.81	1/4	380.78	1/4	83.89	1/4		1/4		1/4		1/4		1/4	
1/2	1,259.45	1/2	962.58	1/2	671.62	1/2	374.59	1/2	77.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,253.27	3/4	956.47	3/4	665.43	3/4	368.40	3/4	71.65	3/4		3/4		3/4		3/4		3/4	
11	1,247.08	11	950.35	11	659.25	11	362.21	11	65.55	11		11		11		11		11	
1/4	1,240.90	1/4	944.24	1/4	653.06	1/4	356.02	1/4	59.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,234.71	1/2	938.13	1/2	646.87	1/2	349.84	1/2	53.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,228.53	3/4	932.10	3/4	640.68	3/4	343.65	3/4	47.73	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2018 CL  
CALCULATED: 05/23/2018 CL  
PRINTED: 05/23/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2018

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



# BARGE "IB 1110"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-02"

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	0	3,680.88	0	3,437.33	0	3,174.12	0	2,910.91	0	2,647.70	0	2,384.48	0	2,121.27	0	1,858.06	0	1,594.84	
1/4	1/4	3,678.60	1/4	3,431.85	1/4	3,168.64	1/4	2,905.42	1/4	2,642.21	1/4	2,379.00	1/4	2,115.79	1/4	1,852.57	1/4	1,589.36	
1/2	1/2	3,676.31	1/2	3,426.37	1/2	3,163.15	1/2	2,899.94	1/2	2,636.73	1/2	2,373.52	1/2	2,110.30	1/2	1,847.09	1/2	1,583.88	
3/4	3/4	3,674.03	3/4	3,420.88	3/4	3,157.67	3/4	2,894.46	3/4	2,631.24	3/4	2,368.03	3/4	2,104.82	3/4	1,841.61	3/4	1,578.39	
1	1	3,671.74	1	3,415.40	1	3,152.19	1	2,888.97	1	2,625.76	1	2,362.55	1	2,099.34	1	1,836.12	1	1,572.91	
1/4	1/4	3,667.67	1/4	3,409.92	1/4	3,146.70	1/4	2,883.49	1/4	2,620.28	1/4	2,357.06	1/4	2,093.85	1/4	1,830.64	1/4	1,567.43	
1/2	1/2	3,663.59	1/2	3,404.43	1/2	3,141.22	1/2	2,878.01	1/2	2,614.79	1/2	2,351.58	1/2	2,088.37	1/2	1,825.16	1/2	1,561.94	
3/4	3/4	3,659.52	3/4	3,398.95	3/4	3,135.74	3/4	2,872.52	3/4	2,609.31	3/4	2,346.10	3/4	2,082.88	3/4	1,819.67	3/4	1,556.46	
2	2	3,655.44	2	3,393.46	2	3,130.25	2	2,867.04	2	2,603.83	2	2,340.61	2	2,077.40	2	1,814.19	2	1,550.98	
1/4	1/4	3,650.24	1/4	3,387.98	1/4	3,124.77	1/4	2,861.56	1/4	2,598.34	1/4	2,335.13	1/4	2,071.92	1/4	1,808.70	1/4	1,545.49	
1/2	1/2	3,645.04	1/2	3,382.50	1/2	3,119.28	1/2	2,856.07	1/2	2,592.86	1/2	2,329.65	1/2	2,066.43	1/2	1,803.22	1/2	1,540.01	
3/4	3/4	3,639.84	3/4	3,377.01	3/4	3,113.80	3/4	2,850.59	3/4	2,587.38	3/4	2,324.16	3/4	2,060.95	3/4	1,797.74	3/4	1,534.52	
3	3	3,634.64	3	3,371.53	3	3,108.32	3	2,845.10	3	2,581.89	3	2,318.68	3	2,055.47	3	1,792.25	3	1,529.04	
1/4	1/4	3,629.18	1/4	3,366.05	1/4	3,102.83	1/4	2,839.62	1/4	2,576.41	1/4	2,313.20	1/4	2,049.98	1/4	1,786.77	1/4	1,523.56	
1/2	1/2	3,623.72	1/2	3,360.56	1/2	3,097.35	1/2	2,834.14	1/2	2,570.92	1/2	2,307.71	1/2	2,044.50	1/2	1,781.29	1/2	1,518.07	
3/4	3/4	3,618.25	3/4	3,355.08	3/4	3,091.87	3/4	2,828.65	3/4	2,565.44	3/4	2,302.23	3/4	2,039.02	3/4	1,775.80	3/4	1,512.59	
4	4	3,612.79	4	3,349.60	4	3,086.38	4	2,823.17	4	2,559.96	4	2,296.74	4	2,033.53	4	1,770.32	4	1,507.11	
1/4	1/4	3,607.31	1/4	3,344.11	1/4	3,080.90	1/4	2,817.69	1/4	2,554.47	1/4	2,291.26	1/4	2,028.05	1/4	1,764.84	1/4	1,501.62	
1/2	1/2	3,601.83	1/2	3,338.63	1/2	3,075.42	1/2	2,812.20	1/2	2,548.99	1/2	2,285.78	1/2	2,022.56	1/2	1,759.35	1/2	1,496.14	
3/4	3/4	3,596.35	3/4	3,333.15	3/4	3,069.93	3/4	2,806.72	3/4	2,543.51	3/4	2,280.29	3/4	2,017.08	3/4	1,753.87	3/4	1,490.66	
5	5	3,590.87	5	3,327.66	5	3,064.45	5	2,801.24	5	2,538.02	5	2,274.81	5	2,011.60	5	1,748.38	5	1,485.17	
1/4	1/4	3,585.39	1/4	3,322.18	1/4	3,058.97	1/4	2,795.75	1/4	2,532.54	1/4	2,269.33	1/4	2,006.11	1/4	1,742.90	1/4	1,479.69	
1/2	1/2	3,579.91	1/2	3,316.69	1/2	3,053.48	1/2	2,790.27	1/2	2,527.06	1/2	2,263.84	1/2	2,000.63	1/2	1,737.42	1/2	1,474.20	
3/4	3/4	3,574.42	3/4	3,311.21	3/4	3,048.00	3/4	2,784.79	3/4	2,521.57	3/4	2,258.36	3/4	1,995.15	3/4	1,731.93	3/4	1,468.72	
6	6	3,568.94	6	3,305.73	6	3,042.51	6	2,779.30	6	2,516.09	6	2,252.88	6	1,989.66	6	1,726.45	6	1,463.24	
1/4	1/4	3,563.46	1/4	3,300.24	1/4	3,037.03	1/4	2,773.82	1/4	2,510.61	1/4	2,247.39	1/4	1,984.18	1/4	1,720.97	1/4	1,457.75	
1/2	1/2	3,557.97	1/2	3,294.76	1/2	3,031.55	1/2	2,768.33	1/2	2,505.12	1/2	2,241.91	1/2	1,978.70	1/2	1,715.48	1/2	1,452.27	
3/4	3/4	3,552.49	3/4	3,289.28	3/4	3,026.06	3/4	2,762.85	3/4	2,499.64	3/4	2,236.43	3/4	1,973.21	3/4	1,710.00	3/4	1,446.79	
7	7	3,547.01	7	3,283.79	7	3,020.58	7	2,757.37	7	2,494.15	7	2,230.94	7	1,967.73	7	1,704.52	7	1,441.30	
1/4	1/4	3,541.52	1/4	3,278.31	1/4	3,015.10	1/4	2,751.88	1/4	2,488.67	1/4	2,225.46	1/4	1,962.25	1/4	1,699.03	1/4	1,435.82	
1/2	1/2	3,536.04	1/2	3,272.83	1/2	3,009.61	1/2	2,746.40	1/2	2,483.19	1/2	2,219.97	1/2	1,956.76	1/2	1,693.55	1/2	1,430.34	
3/4	3/4	3,530.55	3/4	3,267.34	3/4	3,004.13	3/4	2,740.92	3/4	2,477.70	3/4	2,214.49	3/4	1,951.28	3/4	1,688.07	3/4	1,424.85	
8	8	3,525.07	8	3,261.86	8	2,998.65	8	2,735.43	8	2,472.22	8	2,209.01	8	1,945.79	8	1,682.58	8	1,419.37	
1/4	1/4	3,519.59	1/4	3,256.37	1/4	2,993.16	1/4	2,729.95	1/4	2,466.74	1/4	2,203.52	1/4	1,940.31	1/4	1,677.10	1/4	1,413.89	
1/2	1/2	3,514.10	1/2	3,250.89	1/2	2,987.68	1/2	2,724.47	1/2	2,461.25	1/2	2,198.04	1/2	1,934.83	1/2	1,671.61	1/2	1,408.40	
3/4	3/4	3,508.62	3/4	3,245.41	3/4	2,982.19	3/4	2,718.98	3/4	2,455.77	3/4	2,192.56	3/4	1,929.34	3/4	1,666.13	3/4	1,402.92	
9	9	3,503.14	9	3,239.92	9	2,976.71	9	2,713.50	9	2,450.29	9	2,187.07	9	1,923.86	9	1,660.65	9	1,397.43	
1/4	1/4	3,497.65	1/4	3,234.44	1/4	2,971.23	1/4	2,708.01	1/4	2,444.80	1/4	2,181.59	1/4	1,918.38	1/4	1,655.16	1/4	1,391.95	
1/2	1/2	3,492.17	1/2	3,228.96	1/2	2,965.74	1/2	2,702.53	1/2	2,439.32	1/2	2,176.11	1/2	1,912.89	1/2	1,649.68	1/2	1,386.47	
3/4	3/4	3,486.69	3/4	3,223.47	3/4	2,960.26	3/4	2,697.05	3/4	2,433.83	3/4	2,170.62	3/4	1,907.41	3/4	1,644.20	3/4	1,380.98	
10	10	3,481.20	10	3,217.99	10	2,954.78	10	2,691.56	10	2,428.35	10	2,165.14	10	1,901.93	10	1,638.71	10	1,375.50	
1/4	1/4	3,475.72	1/4	3,212.51	1/4	2,949.29	1/4	2,686.08	1/4	2,422.87	1/4	2,159.65	1/4	1,896.44	1/4	1,633.23	1/4	1,370.02	
1/2	1/2	3,470.24	1/2	3,207.02	1/2	2,943.81	1/2	2,680.60	1/2	2,417.38	1/2	2,154.17	1/2	1,890.96	1/2	1,627.75	1/2	1,364.53	
3/4	3/4	3,464.75	3/4	3,201.54	3/4	2,938.33	3/4	2,675.11	3/4	2,411.90	3/4	2,148.69	3/4	1,885.47	3/4	1,622.26	3/4	1,359.05	
11	11	3,459.27	11	3,196.06	11	2,932.84	11	2,669.63	11	2,406.42	11	2,143.20	11	1,879.99	11	1,616.78	11	1,353.57	
1/4	1/4	3,453.78	1/4	3,190.57	1/4	2,927.36	1/4	2,664.15	1/4	2,400.93	1/4	2,137.72	1/4	1,874.51	1/4	1,611.29	1/4	1,348.08	
1/2	1/2	3,448.30	1/2	3,185.09	1/2	2,921.88	1/2	2,658.66	1/2	2,395.45	1/2	2,132.24	1/2	1,869.02	1/2	1,605.81	1/2	1,342.60	
3/4	3/4	3,442.82	3/4	3,179.60	3/4	2,916.39	3/4	2,653.18	3/4	2,389.97	3/4	2,126.75	3/4	1,863.54	3/4	1,600.33	3/4	1,337.11	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS 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'-03" FORWARD OF AFT BULKHEAD

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



# BARGE "IB 1110"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-02"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,331.63	0	1,068.42	0	806.10	0	547.99	0	284.79	0	24.37	0		0		0		0	
1/4	1,326.15	1/4	1,062.93	1/4	800.76	1/4	542.51	1/4	279.30	1/4	20.72	1/4		1/4		1/4		1/4	
1/2	1,320.66	1/2	1,057.45	1/2	795.43	1/2	537.02	1/2	273.82	1/2	17.07	1/2		1/2		1/2		1/2	
3/4	1,315.18	3/4	1,051.97	3/4	790.09	3/4	531.54	3/4	268.34	3/4	13.42	3/4		3/4		3/4		3/4	
1	1,309.70	1	1,046.48	1	784.76	1	526.06	1	262.85	1	9.76	1		1		1		1	
1/4	1,304.21	1/4	1,041.00	1/4	779.43	1/4	520.57	1/4	257.37	1/4	7.94	1/4		1/4		1/4		1/4	
1/2	1,298.73	1/2	1,035.52	1/2	774.09	1/2	515.09	1/2	251.89	1/2	6.11	1/2		1/2		1/2		1/2	
3/4	1,293.25	3/4	1,030.03	3/4	768.76	3/4	509.61	3/4	246.40	3/4	4.28	3/4		3/4		3/4		3/4	
2	1,287.76	2	1,024.55	2	763.43	2	504.12	2	240.92	2	2.45	2		2		2		2	
1/4	1,282.28	1/4	1,019.07	1/4	758.09	1/4	498.64	1/4	235.44	1/4		1/4		1/4		1/4		1/4	
1/2	1,276.80	1/2	1,013.58	1/2	752.76	1/2	493.16	1/2	229.95	1/2		1/2		1/2		1/2		1/2	
3/4	1,271.31	3/4	1,008.10	3/4	747.43	3/4	487.67	3/4	224.47	3/4		3/4		3/4		3/4		3/4	
3	1,265.83	3	1,002.62	3	742.09	3	482.19	3	218.99	3		3		3		3		3	
1/4	1,260.34	1/4	997.13	1/4	736.76	1/4	476.71	1/4	213.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,254.86	1/2	991.65	1/2	731.43	1/2	471.22	1/2	208.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,249.38	3/4	986.16	3/4	726.09	3/4	465.74	3/4	202.54	3/4		3/4		3/4		3/4		3/4	
4	1,243.89	4	980.68	4	720.76	4	460.26	4	197.05	4		4		4		4		4	
1/4	1,238.41	1/4	975.20	1/4	715.43	1/4	454.77	1/4	191.57	1/4		1/4		1/4		1/4		1/4	
1/2	1,232.93	1/2	969.71	1/2	710.09	1/2	449.29	1/2	186.09	1/2		1/2		1/2		1/2		1/2	
3/4	1,227.44	3/4	964.23	3/4	704.76	3/4	443.81	3/4	180.60	3/4		3/4		3/4		3/4		3/4	
5	1,221.96	5	958.75	5	699.43	5	438.32	5	175.12	5		5		5		5		5	
1/4	1,216.48	1/4	953.26	1/4	694.09	1/4	432.84	1/4	169.64	1/4		1/4		1/4		1/4		1/4	
1/2	1,210.99	1/2	947.78	1/2	688.76	1/2	427.36	1/2	164.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,205.51	3/4	942.30	3/4	683.42	3/4	421.87	3/4	158.67	3/4		3/4		3/4		3/4		3/4	
6	1,200.02	6	936.81	6	678.09	6	416.39	6	153.19	6		6		6		6		6	
1/4	1,194.54	1/4	931.33	1/4	672.76	1/4	410.91	1/4	147.71	1/4		1/4		1/4		1/4		1/4	
1/2	1,189.06	1/2	925.84	1/2	667.42	1/2	405.42	1/2	142.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,183.57	3/4	920.36	3/4	662.09	3/4	399.94	3/4	136.75	3/4		3/4		3/4		3/4		3/4	
7	1,178.09	7	914.88	7	656.76	7	394.46	7	131.27	7		7		7		7		7	
1/4	1,172.61	1/4	909.39	1/4	651.42	1/4	388.97	1/4	125.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,167.12	1/2	903.91	1/2	646.09	1/2	383.49	1/2	120.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,161.64	3/4	898.43	3/4	640.76	3/4	378.01	3/4	114.85	3/4		3/4		3/4		3/4		3/4	
8	1,156.16	8	892.94	8	635.42	8	372.52	8	109.38	8		8		8		8		8	
1/4	1,150.67	1/4	887.46	1/4	630.02	1/4	367.04	1/4	103.92	1/4		1/4		1/4		1/4		1/4	
1/2	1,145.19	1/2	881.98	1/2	624.61	1/2	361.56	1/2	98.47	1/2		1/2		1/2		1/2		1/2	
3/4	1,139.71	3/4	876.49	3/4	619.20	3/4	356.07	3/4	93.01	3/4		3/4		3/4		3/4		3/4	
9	1,134.22	9	871.01	9	613.79	9	350.59	9	87.55	9		9		9		9		9	
1/4	1,128.74	1/4	865.53	1/4	608.31	1/4	345.10	1/4	82.12	1/4		1/4		1/4		1/4		1/4	
1/2	1,123.25	1/2	860.04	1/2	602.82	1/2	339.62	1/2	76.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,117.77	3/4	854.56	3/4	597.34	3/4	334.14	3/4	71.25	3/4		3/4		3/4		3/4		3/4	
10	1,112.29	10	849.07	10	591.86	10	328.65	10	65.81	10		10		10		10		10	
1/4	1,106.80	1/4	843.67	1/4	586.37	1/4	323.17	1/4	60.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,101.32	1/2	838.26	1/2	580.89	1/2	317.69	1/2	55.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,095.84	3/4	832.85	3/4	575.41	3/4	312.20	3/4	49.63	3/4		3/4		3/4		3/4		3/4	
11	1,090.35	11	827.44	11	569.92	11	306.72	11	44.23	11		11		11		11		11	
1/4	1,084.87	1/4	822.10	1/4	564.44	1/4	301.24	1/4	39.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,079.39	1/2	816.77	1/2	558.96	1/2	295.75	1/2	34.30	1/2		1/2		1/2		1/2		1/2	
3/4	1,073.90	3/4	811.43	3/4	553.47	3/4	290.27	3/4	29.34	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2018 CL  
CALCULATED: 05/23/2018 CL  
PRINTED: 05/23/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2018

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



# BARGE "IB 1110"

# 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-02 3/4"

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	0	0	3,430.91	0	3,169.87	0	2,908.82	0	2,647.77	0	2,386.72	0	2,125.67	0	1,864.63	0	1,603.58		
1/4	1/4	1/4	3,425.47	1/4	3,164.43	1/4	2,903.38	1/4	2,642.33	1/4	2,381.28	1/4	2,120.23	1/4	1,859.19	1/4	1,598.14		
1/2	1/2	1/2	3,420.04	1/2	3,158.99	1/2	2,897.94	1/2	2,636.89	1/2	2,375.84	1/2	2,114.80	1/2	1,853.75	1/2	1,592.70		
3/4	3/4	3/4	3,656.16	3/4	3,414.60	3/4	3,153.55	3/4	2,892.50	3/4	2,631.45	3/4	2,370.41	3/4	2,109.36	3/4	1,848.31	3/4	1,587.26
1	1	1	3,653.90	1	3,409.16	1	3,148.11	1	2,887.06	1	2,626.02	1	2,364.97	1	2,103.92	1	1,842.87	1	1,581.82
1/4	1/4	1/4	3,651.63	1/4	3,407.52	1/4	3,146.77	1/4	2,885.62	1/4	2,624.58	1/4	2,359.53	1/4	2,098.48	1/4	1,837.43	1/4	1,576.38
1/2	1/2	1/2	3,649.37	1/2	3,398.28	1/2	3,137.23	1/2	2,876.19	1/2	2,615.14	1/2	2,354.09	1/2	2,093.04	1/2	1,831.99	1/2	1,570.95
3/4	3/4	3/4	3,647.10	3/4	3,392.84	3/4	3,131.80	3/4	2,870.75	3/4	2,609.70	3/4	2,348.65	3/4	2,087.60	3/4	1,826.56	3/4	1,565.51
2	2	2	3,643.06	2	3,387.41	2	3,126.36	2	2,865.31	2	2,604.26	2	2,343.21	2	2,082.17	2	1,821.12	2	1,560.07
1/4	1/4	1/4	3,639.02	1/4	3,381.97	1/4	3,120.92	1/4	2,859.87	1/4	2,598.82	1/4	2,337.77	1/4	2,076.73	1/4	1,815.68	1/4	1,554.63
1/2	1/2	1/2	3,634.97	1/2	3,376.53	1/2	3,115.48	1/2	2,854.43	1/2	2,593.38	1/2	2,332.34	1/2	2,071.29	1/2	1,810.24	1/2	1,549.19
3/4	3/4	3/4	3,630.93	3/4	3,371.09	3/4	3,110.04	3/4	2,848.99	3/4	2,587.95	3/4	2,326.90	3/4	2,065.85	3/4	1,804.80	3/4	1,543.75
3	3	3	3,625.78	3	3,365.65	3	3,104.60	3	2,843.56	3	2,582.51	3	2,321.46	3	2,060.41	3	1,799.36	3	1,538.32
1/4	1/4	1/4	3,620.62	1/4	3,360.21	1/4	3,099.16	1/4	2,838.12	1/4	2,577.07	1/4	2,316.02	1/4	2,054.97	1/4	1,793.92	1/4	1,532.88
1/2	1/2	1/2	3,615.46	1/2	3,354.77	1/2	3,093.73	1/2	2,832.68	1/2	2,571.63	1/2	2,310.58	1/2	2,049.53	1/2	1,788.49	1/2	1,527.44
3/4	3/4	3/4	3,610.30	3/4	3,349.34	3/4	3,088.29	3/4	2,827.24	3/4	2,566.19	3/4	2,305.14	3/4	2,044.10	3/4	1,783.05	3/4	1,522.00
4	4	4	3,604.88	4	3,343.90	4	3,082.85	4	2,821.80	4	2,560.75	4	2,299.71	4	2,038.66	4	1,777.61	4	1,516.56
1/4	1/4	1/4	3,599.46	1/4	3,338.46	1/4	3,077.41	1/4	2,816.36	1/4	2,555.31	1/4	2,294.27	1/4	2,033.22	1/4	1,772.17	1/4	1,511.12
1/2	1/2	1/2	3,594.05	1/2	3,333.02	1/2	3,071.97	1/2	2,810.92	1/2	2,549.88	1/2	2,288.83	1/2	2,027.78	1/2	1,766.73	1/2	1,505.68
3/4	3/4	3/4	3,588.63	3/4	3,327.58	3/4	3,066.53	3/4	2,805.49	3/4	2,544.44	3/4	2,283.39	3/4	2,022.34	3/4	1,761.29	3/4	1,500.25
5	5	5	3,583.19	5	3,322.14	5	3,061.10	5	2,800.05	5	2,539.00	5	2,277.95	5	2,016.90	5	1,755.86	5	1,494.81
1/4	1/4	1/4	3,577.76	1/4	3,316.70	1/4	3,055.66	1/4	2,794.61	1/4	2,533.56	1/4	2,272.51	1/4	2,011.46	1/4	1,750.42	1/4	1,489.37
1/2	1/2	1/2	3,572.33	1/2	3,311.27	1/2	3,050.22	1/2	2,789.17	1/2	2,528.12	1/2	2,267.07	1/2	2,006.03	1/2	1,744.98	1/2	1,483.93
3/4	3/4	3/4	3,566.89	3/4	3,305.83	3/4	3,044.78	3/4	2,783.73	3/4	2,522.68	3/4	2,261.64	3/4	2,000.59	3/4	1,739.54	3/4	1,478.49
6	6	6	3,561.45	6	3,300.39	6	3,039.34	6	2,778.29	6	2,517.25	6	2,256.20	6	1,995.15	6	1,734.10	6	1,473.05
1/4	1/4	1/4	3,556.01	1/4	3,294.95	1/4	3,033.90	1/4	2,772.85	1/4	2,511.81	1/4	2,250.76	1/4	1,989.71	1/4	1,728.66	1/4	1,467.61
1/2	1/2	1/2	3,550.56	1/2	3,289.51	1/2	3,028.46	1/2	2,767.42	1/2	2,506.37	1/2	2,245.32	1/2	1,984.27	1/2	1,723.22	1/2	1,462.18
3/4	3/4	3/4	3,545.12	3/4	3,284.07	3/4	3,023.03	3/4	2,761.98	3/4	2,500.93	3/4	2,239.88	3/4	1,978.83	3/4	1,717.79	3/4	1,456.74
7	7	7	3,539.68	7	3,278.64	7	3,017.59	7	2,756.54	7	2,495.49	7	2,234.44	7	1,973.40	7	1,712.35	7	1,451.30
1/4	1/4	1/4	3,534.24	1/4	3,273.20	1/4	3,012.15	1/4	2,751.10	1/4	2,490.05	1/4	2,229.00	1/4	1,967.96	1/4	1,706.91	1/4	1,445.86
1/2	1/2	1/2	3,528.81	1/2	3,267.76	1/2	3,006.71	1/2	2,745.66	1/2	2,484.61	1/2	2,223.57	1/2	1,962.52	1/2	1,701.47	1/2	1,440.42
3/4	3/4	3/4	3,523.37	3/4	3,262.32	3/4	3,001.27	3/4	2,740.22	3/4	2,479.18	3/4	2,218.13	3/4	1,957.08	3/4	1,696.03	3/4	1,434.98
8	8	8	3,517.93	8	3,256.88	8	2,995.83	8	2,734.79	8	2,473.74	8	2,212.69	8	1,951.64	8	1,690.59	8	1,429.55
1/4	1/4	1/4	3,512.49	1/4	3,251.44	1/4	2,990.39	1/4	2,729.35	1/4	2,468.30	1/4	2,207.25	1/4	1,946.20	1/4	1,685.15	1/4	1,424.11
1/2	1/2	1/2	3,507.05	1/2	3,246.00	1/2	2,984.96	1/2	2,723.91	1/2	2,462.86	1/2	2,201.81	1/2	1,940.76	1/2	1,679.72	1/2	1,418.67
3/4	3/4	3/4	3,501.61	3/4	3,240.57	3/4	2,979.52	3/4	2,718.47	3/4	2,457.42	3/4	2,196.37	3/4	1,935.33	3/4	1,674.28	3/4	1,413.23
9	9	9	3,496.18	9	3,235.13	9	2,974.08	9	2,713.03	9	2,451.98	9	2,190.94	9	1,929.89	9	1,668.84	9	1,407.79
1/4	1/4	1/4	3,490.74	1/4	3,229.69	1/4	2,968.64	1/4	2,707.59	1/4	2,446.54	1/4	2,185.50	1/4	1,924.45	1/4	1,663.40	1/4	1,402.35
1/2	1/2	1/2	3,485.30	1/2	3,224.25	1/2	2,963.20	1/2	2,702.15	1/2	2,441.11	1/2	2,180.06	1/2	1,919.01	1/2	1,657.96	1/2	1,396.91
3/4	3/4	3/4	3,479.86	3/4	3,218.81	3/4	2,957.76	3/4	2,696.72	3/4	2,435.67	3/4	2,174.62	3/4	1,913.57	3/4	1,652.52	3/4	1,391.48
10	10	10	3,474.42	10	3,213.37	10	2,952.33	10	2,691.28	10	2,430.23	10	2,169.18	10	1,908.13	10	1,647.09	10	1,386.04
1/4	1/4	1/4	3,468.98	1/4	3,207.93	1/4	2,946.89	1/4	2,685.84	1/4	2,424.79	1/4	2,163.74	1/4	1,902.69	1/4	1,641.65	1/4	1,380.60
1/2	1/2	1/2	3,463.54	1/2	3,202.50	1/2	2,941.45	1/2	2,680.40	1/2	2,419.35	1/2	2,158.30	1/2	1,897.26	1/2	1,636.21	1/2	1,375.16
3/4	3/4	3/4	3,458.11	3/4	3,197.06	3/4	2,936.01	3/4	2,674.96	3/4	2,413.91	3/4	2,152.87	3/4	1,891.82	3/4	1,630.77	3/4	1,369.72
11	11	11	3,452.67	11	3,191.62	11	2,930.57	11	2,669.52	11	2,408.48	11	2,147.43	11	1,886.38	11	1,625.33	11	1,364.28
1/4	1/4	1/4	3,447.23	1/4	3,186.18	1/4	2,925.13	1/4	2,664.08	1/4	2,403.04	1/4	2,141.99	1/4	1,880.94	1/4	1,619.89	1/4	1,358.84
1/2	1/2	1/2	3,441.79	1/2	3,180.74	1/2	2,919.69	1/2	2,658.65	1/2	2,397.60	1/2	2,136.55	1/2	1,875.50	1/2	1,614.45	1/2	1,353.41
3/4	3/4	3/4	3,436.35	3/4	3,175.30	3/4	2,914.26	3/4	2,653.21	3/4	2,392.16	3/4	2,131.11	3/4	1,870.06	3/4	1,609.02	3/4	1,347.97

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS 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  
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# BARGE "IB 1110"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-02 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,342.53	0	1,081.48	0	820.46	0	559.81	0	298.77	0	38.95	0		0		0		0	
1/4	1,337.09	1/4	1,076.04	1/4	815.03	1/4	554.37	1/4	293.33	1/4	34.03	1/4		1/4		1/4		1/4	
1/2	1,331.65	1/2	1,070.60	1/2	809.60	1/2	548.93	1/2	287.89	1/2	29.10	1/2		1/2		1/2		1/2	
3/4	1,326.21	3/4	1,065.17	3/4	804.17	3/4	543.49	3/4	282.45	3/4	24.18	3/4		3/4		3/4		3/4	
1	1,320.78	1	1,059.73	1	798.74	1	538.05	1	277.01	1	20.55	1		1		1		1	
1/4	1,315.34	1/4	1,054.29	1/4	793.32	1/4	532.61	1/4	271.58	1/4	16.93	1/4		1/4		1/4		1/4	
1/2	1,309.90	1/2	1,048.85	1/2	787.89	1/2	527.18	1/2	266.14	1/2	13.31	1/2		1/2		1/2		1/2	
3/4	1,304.46	3/4	1,043.41	3/4	782.46	3/4	521.74	3/4	260.70	3/4	9.69	3/4		3/4		3/4		3/4	
2	1,299.02	2	1,037.97	2	777.03	2	516.30	2	255.26	2	7.88	2		2		2		2	
1/4	1,293.58	1/4	1,032.53	1/4	771.60	1/4	510.86	1/4	249.82	1/4	6.06	1/4		1/4		1/4		1/4	
1/2	1,288.14	1/2	1,027.10	1/2	766.18	1/2	505.42	1/2	244.38	1/2	4.25	1/2		1/2		1/2		1/2	
3/4	1,282.71	3/4	1,021.66	3/4	760.75	3/4	499.98	3/4	238.95	3/4	2.44	3/4		3/4		3/4		3/4	
3	1,277.27	3	1,016.22	3	755.32	3	494.55	3	233.51	3		3		3		3		3	
1/4	1,271.83	1/4	1,010.78	1/4	749.89	1/4	489.11	1/4	228.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,266.39	1/2	1,005.34	1/2	744.47	1/2	483.67	1/2	222.63	1/2		1/2		1/2		1/2		1/2	
3/4	1,260.95	3/4	999.90	3/4	739.04	3/4	478.23	3/4	217.19	3/4		3/4		3/4		3/4		3/4	
4	1,255.51	4	994.47	4	733.61	4	472.79	4	211.75	4		4		4		4		4	
1/4	1,250.07	1/4	989.03	1/4	728.18	1/4	467.35	1/4	206.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,244.64	1/2	983.59	1/2	722.75	1/2	461.92	1/2	200.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,239.20	3/4	978.15	3/4	717.33	3/4	456.48	3/4	195.44	3/4		3/4		3/4		3/4		3/4	
5	1,233.76	5	972.71	5	711.90	5	451.04	5	190.00	5		5		5		5		5	
1/4	1,228.32	1/4	967.27	1/4	706.47	1/4	445.60	1/4	184.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,222.88	1/2	961.83	1/2	701.04	1/2	440.16	1/2	179.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,217.44	3/4	956.40	3/4	695.62	3/4	434.72	3/4	173.69	3/4		3/4		3/4		3/4		3/4	
6	1,212.01	6	950.96	6	690.19	6	429.29	6	168.25	6		6		6		6		6	
1/4	1,206.57	1/4	945.52	1/4	684.76	1/4	423.85	1/4	162.81	1/4		1/4		1/4		1/4		1/4	
1/2	1,201.13	1/2	940.08	1/2	679.33	1/2	418.41	1/2	157.37	1/2		1/2		1/2		1/2		1/2	
3/4	1,195.69	3/4	934.64	3/4	673.91	3/4	412.97	3/4	151.94	3/4		3/4		3/4		3/4		3/4	
7	1,190.25	7	929.20	7	668.48	7	407.53	7	146.50	7		7		7		7		7	
1/4	1,184.81	1/4	923.76	1/4	663.05	1/4	402.09	1/4	141.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,179.37	1/2	918.33	1/2	657.62	1/2	396.66	1/2	135.63	1/2		1/2		1/2		1/2		1/2	
3/4	1,173.94	3/4	912.89	3/4	652.19	3/4	391.22	3/4	130.20	3/4		3/4		3/4		3/4		3/4	
8	1,168.50	8	907.45	8	646.77	8	385.78	8	124.77	8		8		8		8		8	
1/4	1,163.06	1/4	902.01	1/4	641.34	1/4	380.34	1/4	119.34	1/4		1/4		1/4		1/4		1/4	
1/2	1,157.62	1/2	896.57	1/2	635.91	1/2	374.90	1/2	113.92	1/2		1/2		1/2		1/2		1/2	
3/4	1,152.18	3/4	891.13	3/4	630.48	3/4	369.46	3/4	108.49	3/4		3/4		3/4		3/4		3/4	
9	1,146.74	9	885.70	9	625.05	9	364.03	9	103.08	9		9		9		9		9	
1/4	1,141.30	1/4	880.26	1/4	619.62	1/4	358.59	1/4	97.66	1/4		1/4		1/4		1/4		1/4	
1/2	1,135.87	1/2	874.82	1/2	614.18	1/2	353.15	1/2	92.25	1/2		1/2		1/2		1/2		1/2	
3/4	1,130.43	3/4	869.38	3/4	608.75	3/4	347.71	3/4	86.84	3/4		3/4		3/4		3/4		3/4	
10	1,124.99	10	863.94	10	603.31	10	342.27	10	81.45	10		10		10		10		10	
1/4	1,119.55	1/4	858.50	1/4	597.87	1/4	336.84	1/4	76.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,114.11	1/2	853.06	1/2	592.44	1/2	331.40	1/2	70.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,108.67	3/4	847.63	3/4	587.00	3/4	325.96	3/4	65.28	3/4		3/4		3/4		3/4		3/4	
11	1,103.24	11	842.19	11	581.56	11	320.52	11	59.93	11		11		11		11		11	
1/4	1,097.80	1/4	836.76	1/4	576.12	1/4	315.08	1/4	54.58	1/4		1/4		1/4		1/4		1/4	
1/2	1,092.36	1/2	831.32	1/2	570.68	1/2	309.64	1/2	49.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,086.92	3/4	825.89	3/4	565.24	3/4	304.21	3/4	43.88	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2018 CL  
CALCULATED: 05/23/2018 CL  
PRINTED: 05/23/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2018

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