

# BARGE "IB 1989"

## INNAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

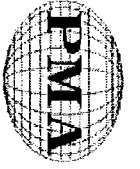
FWD. DRAFT = 2'-00"  
 AFT DRAFT = 4'-00"  
 DIFF. = 2'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 182'-09"

December 7, 2017

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



# BARGE "IB 1989"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

IN	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	0.63	0	242.33	0	528.16	0	810.16	0	1,093.34	0	1,379.90	0	1,664.20	0	1,950.05	0	2,235.86	0	2,521.65	0
1/4	1.62	1/4	248.29	1/4	534.11	1/4	815.96	1/4	1,099.29	1/4	1,384.94	1/4	1,670.24	1/4	1,956.01	1/4	2,241.81	1/4	2,527.61	1/4
1/2	2.62	1/2	254.24	1/2	540.06	1/2	821.75	1/2	1,105.24	1/2	1,390.88	1/2	1,676.15	1/2	1,961.96	1/2	2,247.76	1/2	2,533.56	1/2
3/4	3.61	3/4	260.20	3/4	546.02	3/4	827.55	3/4	1,111.19	3/4	1,396.82	3/4	1,681.92	3/4	1,967.92	3/4	2,253.72	3/4	2,539.52	3/4
1	4.61	1	266.15	1	551.97	1	833.35	1	1,117.15	1	1,402.76	1	1,688.06	1	1,973.87	1	2,259.67	1	2,545.47	1
1/4	6.80	1/4	272.11	1/4	557.93	1/4	839.14	1/4	1,123.10	1/4	1,408.70	1/4	1,694.01	1/4	1,979.82	1/4	2,265.62	1/4	2,551.42	1/4
1/2	8.99	1/2	278.06	1/2	563.88	1/2	844.94	1/2	1,129.05	1/2	1,414.64	1/2	1,699.97	1/2	1,985.78	1/2	2,271.58	1/2	2,557.38	1/2
3/4	11.18	3/4	284.02	3/4	569.84	3/4	850.73	3/4	1,135.00	3/4	1,420.58	3/4	1,705.92	3/4	1,991.73	3/4	2,277.53	3/4	2,563.33	3/4
2	13.37	2	289.97	2	575.79	2	856.53	2	1,140.95	2	1,426.52	2	1,711.88	2	1,997.69	2	2,283.49	2	2,569.29	2
1/4	17.28	1/4	295.93	1/4	581.75	1/4	862.32	1/4	1,146.90	1/4	1,432.46	1/4	1,717.83	1/4	2,003.64	1/4	2,289.44	1/4	2,575.24	1/4
1/2	21.19	1/2	301.88	1/2	587.70	1/2	868.12	1/2	1,152.85	1/2	1,438.40	1/2	1,723.79	1/2	2,009.60	1/2	2,295.60	1/2	2,581.20	1/2
3/4	25.11	3/4	307.83	3/4	593.66	3/4	873.92	3/4	1,158.80	3/4	1,444.34	3/4	1,729.74	3/4	2,015.55	3/4	2,301.35	3/4	2,587.15	3/4
3	29.02	3	313.79	3	599.61	3	879.71	3	1,164.76	3	1,450.28	3	1,735.69	3	2,021.51	3	2,307.30	3	2,593.11	3
1/4	34.67	1/4	319.74	1/4	605.57	1/4	885.51	1/4	1,170.71	1/4	1,456.22	1/4	1,741.65	1/4	2,027.46	1/4	2,313.25	1/4	2,599.06	1/4
1/2	40.32	1/2	325.70	1/2	611.52	1/2	891.31	1/2	1,176.66	1/2	1,462.16	1/2	1,747.60	1/2	2,033.41	1/2	2,319.21	1/2	2,605.01	1/2
3/4	45.97	3/4	331.65	3/4	617.47	3/4	897.10	3/4	1,182.61	3/4	1,468.10	3/4	1,753.56	3/4	2,039.37	3/4	2,325.16	3/4	2,610.97	3/4
4	51.62	4	337.61	4	623.43	4	902.90	4	1,188.56	4	1,474.04	4	1,759.51	4	2,045.32	4	2,331.11	4	2,616.92	4
1/4	57.57	1/4	343.56	1/4	629.38	1/4	908.85	1/4	1,194.51	1/4	1,479.98	1/4	1,765.47	1/4	2,051.28	1/4	2,337.07	1/4	2,622.88	1/4
1/2	63.52	1/2	349.52	1/2	635.34	1/2	914.80	1/2	1,200.46	1/2	1,485.92	1/2	1,771.42	1/2	2,057.23	1/2	2,343.02	1/2	2,628.83	1/2
3/4	69.48	3/4	355.47	3/4	641.29	3/4	920.75	3/4	1,206.41	3/4	1,491.86	3/4	1,777.38	3/4	2,063.19	3/4	2,348.98	3/4	2,634.79	3/4
5	75.43	5	361.43	5	647.25	5	926.70	5	1,212.37	5	1,497.80	5	1,783.33	5	2,069.14	5	2,354.93	5	2,640.74	5
1/4	81.39	1/4	367.38	1/4	653.20	1/4	932.65	1/4	1,218.32	1/4	1,503.74	1/4	1,789.29	1/4	2,075.10	1/4	2,360.88	1/4	2,646.70	1/4
1/2	87.36	1/2	373.34	1/2	659.16	1/2	938.61	1/2	1,224.27	1/2	1,509.68	1/2	1,795.24	1/2	2,081.05	1/2	2,366.84	1/2	2,652.65	1/2
3/4	93.32	3/4	379.29	3/4	665.11	3/4	944.56	3/4	1,230.22	3/4	1,515.62	3/4	1,801.19	3/4	2,087.00	3/4	2,372.79	3/4	2,658.60	3/4
6	99.29	6	385.24	6	671.07	6	950.51	6	1,236.17	6	1,521.56	6	1,807.15	6	2,092.96	6	2,378.75	6	2,664.56	6
1/4	105.25	1/4	391.20	1/4	676.86	1/4	956.46	1/4	1,242.12	1/4	1,527.50	1/4	1,813.10	1/4	2,098.91	1/4	2,384.70	1/4	2,670.51	1/4
1/2	111.22	1/2	397.15	1/2	682.66	1/2	962.41	1/2	1,248.07	1/2	1,533.45	1/2	1,819.06	1/2	2,104.87	1/2	2,390.66	1/2	2,676.47	1/2
3/4	117.19	3/4	403.11	3/4	688.45	3/4	968.36	3/4	1,254.03	3/4	1,539.39	3/4	1,825.01	3/4	2,110.82	3/4	2,396.61	3/4	2,682.42	3/4
7	123.15	7	409.06	7	694.25	7	974.31	7	1,259.98	7	1,545.33	7	1,830.96	7	2,116.78	7	2,402.56	7	2,688.38	7
1/4	129.11	1/4	415.02	1/4	700.04	1/4	980.27	1/4	1,265.93	1/4	1,551.27	1/4	1,836.92	1/4	2,122.73	1/4	2,408.52	1/4	2,694.33	1/4
1/2	135.08	1/2	420.97	1/2	705.84	1/2	986.22	1/2	1,271.88	1/2	1,557.21	1/2	1,842.87	1/2	2,128.68	1/2	2,414.47	1/2	2,700.28	1/2
3/4	141.04	3/4	426.93	3/4	711.64	3/4	992.17	3/4	1,277.83	3/4	1,563.15	3/4	1,848.83	3/4	2,134.64	3/4	2,420.43	3/4	2,706.24	3/4
8	147.00	8	432.88	8	717.43	8	998.12	8	1,283.78	8	1,569.09	8	1,854.78	8	2,140.59	8	2,426.38	8	2,712.19	8
1/4	152.95	1/4	438.84	1/4	723.23	1/4	1,004.07	1/4	1,289.73	1/4	1,575.03	1/4	1,860.74	1/4	2,146.55	1/4	2,432.34	1/4	2,718.15	1/4
1/2	158.91	1/2	444.79	1/2	729.02	1/2	1,010.02	1/2	1,295.68	1/2	1,580.97	1/2	1,866.69	1/2	2,152.50	1/2	2,438.29	1/2	2,724.10	1/2
3/4	164.87	3/4	450.75	3/4	734.82	3/4	1,015.97	3/4	1,301.64	3/4	1,586.91	3/4	1,872.65	3/4	2,158.46	3/4	2,444.25	3/4	2,730.06	3/4
9	170.82	9	456.70	9	740.61	9	1,021.92	9	1,307.59	9	1,592.85	9	1,878.60	9	2,164.41	9	2,450.20	9	2,736.01	9
1/4	176.79	1/4	462.65	1/4	746.41	1/4	1,027.88	1/4	1,313.54	1/4	1,598.79	1/4	1,884.55	1/4	2,170.36	1/4	2,456.15	1/4	2,741.97	1/4
1/2	182.75	1/2	468.61	1/2	752.21	1/2	1,033.83	1/2	1,319.49	1/2	1,604.73	1/2	1,890.51	1/2	2,176.32	1/2	2,462.11	1/2	2,747.92	1/2
3/4	188.71	3/4	474.56	3/4	758.00	3/4	1,039.78	3/4	1,325.44	3/4	1,610.67	3/4	1,896.46	3/4	2,182.27	3/4	2,468.06	3/4	2,753.87	3/4
10	194.67	10	480.52	10	763.80	10	1,045.73	10	1,331.39	10	1,616.61	10	1,902.42	10	2,188.23	10	2,474.02	10	2,759.83	10
1/4	200.63	1/4	486.47	1/4	769.59	1/4	1,051.68	1/4	1,337.34	1/4	1,622.56	1/4	1,908.37	1/4	2,194.18	1/4	2,479.97	1/4	2,765.78	1/4
1/2	206.59	1/2	492.43	1/2	775.39	1/2	1,057.63	1/2	1,343.29	1/2	1,628.52	1/2	1,914.33	1/2	2,200.13	1/2	2,485.93	1/2	2,771.74	1/2
3/4	212.55	3/4	498.38	3/4	781.18	3/4	1,063.58	3/4	1,349.25	3/4	1,634.47	3/4	1,920.28	3/4	2,206.09	3/4	2,491.88	3/4	2,777.59	3/4
11	218.51	11	504.34	11	786.98	11	1,069.53	11	1,355.20	11	1,640.42	11	1,926.24	11	2,212.04	11	2,497.84	11	2,783.65	11
1/4	224.47	1/4	510.29	1/4	792.78	1/4	1,075.49	1/4	1,361.15	1/4	1,646.38	1/4	1,932.19	1/4	2,217.99	1/4	2,503.79	1/4	2,789.61	1/4
1/2	230.42	1/2	516.25	1/2	798.57	1/2	1,081.44	1/2	1,367.10	1/2	1,652.33	1/2	1,938.14	1/2	2,223.95	1/2	2,509.74	1/2	2,795.58	1/2
3/4	236.38	3/4	522.20	3/4	804.37	3/4	1,087.39	3/4	1,373.05	3/4	1,658.29	3/4	1,944.10	3/4	2,229.90	3/4	2,515.70	3/4	2,801.54	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
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http://www.pma.com.net

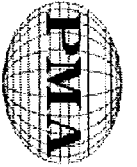


# BARGE "IB 1989"

## 1 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	2,807.51	1/4	3,060.15	1/4	3,245.29	1/4	3,430.43	1/4	3,615.36	1/4	3,800.29	1/4	3,985.22	1/4	4,170.15	1/4	4,355.08	1/4	4,539.91	1/4	4,724.84		
1/2	2,813.48	1/2	3,064.00	1/2	3,249.14	1/2	3,434.28	1/2	3,619.42	1/2	3,804.56	1/2	3,989.70	1/2	4,174.84	1/2	4,360.00	1/2	4,545.14	1/2	4,730.28	1/2	4,915.42
3/4	2,819.44	3/4	3,067.86	3/4	3,253.00	3/4	3,438.14	3/4	3,623.28	3/4	3,808.42	3/4	3,993.56	3/4	4,178.70	3/4	4,363.84	3/4	4,549.00	3/4	4,734.14	3/4	4,919.28
1	2,825.41	1	3,071.72	1	3,256.86	1	3,442.00	1	3,627.14	1	3,812.28	1	3,997.42	1	4,182.56	1	4,367.70	1	4,552.84	1	4,738.00	1	4,923.14
1/4	2,831.38	1/4	3,075.57	1/4	3,260.72	1/4	3,445.86	1/4	3,631.00	1/4	3,816.14	1/4	3,999.28	1/4	4,184.42	1/4	4,369.56	1/4	4,554.70	1/4	4,740.00	1/4	4,925.14
1/2	2,837.34	1/2	3,079.43	1/2	3,264.57	1/2	3,449.71	1/2	3,634.84	1/2	3,819.98	1/2	3,999.28	1/2	4,188.26	1/2	4,373.54	1/2	4,558.70	1/2	4,744.00	1/2	4,930.14
3/4	2,843.31	3/4	3,083.29	3/4	3,268.43	3/4	3,453.57	3/4	3,638.70	3/4	3,823.84	3/4	3,999.28	3/4	4,192.56	3/4	4,377.70	3/4	4,562.84	3/4	4,748.00	3/4	4,935.14
1	2,849.27	1	3,087.15	1	3,272.29	1	3,457.43	1	3,642.56	1	3,827.70	1	3,999.28	1	4,196.42	1	4,381.56	1	4,566.70	1	4,753.00	1	4,940.14
1/4	2,855.24	1/4	3,091.00	1/4	3,276.14	1/4	3,461.28	1/4	3,646.42	1/4	3,831.56	1/4	3,999.28	1/4	4,200.26	1/4	4,385.40	1/4	4,570.54	1/4	4,757.00	1/4	4,945.14
1/2	2,861.21	1/2	3,094.86	1/2	3,280.00	1/2	3,465.14	1/2	3,650.28	1/2	3,835.56	1/2	3,999.28	1/2	4,204.14	1/2	4,389.28	1/2	4,574.42	1/2	4,761.00	1/2	4,950.14
3/4	2,867.17	3/4	3,098.72	3/4	3,283.86	3/4	3,469.00	3/4	3,654.94	3/4	3,839.70	3/4	3,999.28	3/4	4,208.00	3/4	4,393.14	3/4	4,578.26	3/4	4,765.00	3/4	4,955.14
1	2,873.14	1	3,102.57	1	3,287.71	1	3,473.86	1	3,659.42	1	3,843.84	1	3,999.28	1	4,211.86	1	4,397.28	1	4,582.42	1	4,770.00	1	4,960.14
1/4	2,879.11	1/4	3,106.43	1/4	3,291.57	1/4	3,478.71	1/4	3,659.92	1/4	3,847.70	1/4	3,999.28	1/4	4,215.70	1/4	4,401.42	1/4	4,586.56	1/4	4,775.00	1/4	4,965.14
1/2	2,885.07	1/2	3,110.29	1/2	3,295.43	1/2	3,483.57	1/2	3,660.40	1/2	3,851.56	1/2	3,999.28	1/2	4,219.56	1/2	4,405.26	1/2	4,591.70	1/2	4,780.00	1/2	4,970.14
3/4	2,891.04	3/4	3,114.15	3/4	3,299.29	3/4	3,487.43	3/4	3,664.84	3/4	3,855.42	3/4	3,999.28	3/4	4,223.42	3/4	4,409.14	3/4	4,595.54	3/4	4,785.00	3/4	4,975.14
1	2,897.01	1	3,118.00	1	3,303.14	1	3,491.28	1	3,668.70	1	3,859.26	1	3,999.28	1	4,227.26	1	4,413.00	1	4,600.00	1	4,790.00	1	4,980.14
1/4	2,902.97	1/4	3,121.86	1/4	3,307.00	1/4	3,495.14	1/4	3,672.56	1/4	3,863.14	1/4	3,999.28	1/4	4,231.14	1/4	4,416.86	1/4	4,603.86	1/4	4,795.00	1/4	4,985.14
1/2	2,908.94	1/2	3,125.72	1/2	3,310.86	1/2	3,499.00	1/2	3,676.42	1/2	3,867.00	1/2	3,999.28	1/2	4,235.00	1/2	4,420.70	1/2	4,607.70	1/2	4,800.00	1/2	4,990.14
3/4	2,914.90	3/4	3,129.57	3/4	3,314.71	3/4	3,502.86	3/4	3,680.28	3/4	3,870.84	3/4	3,999.28	3/4	4,238.86	3/4	4,424.56	3/4	4,611.56	3/4	4,805.00	3/4	4,995.14
1	2,920.87	1	3,133.43	1	3,318.57	1	3,506.71	1	3,684.14	1	3,874.70	1	3,999.28	1	4,242.70	1	4,428.42	1	4,615.42	1	4,810.00	1	5,000.14
1/4	2,926.84	1/4	3,137.29	1/4	3,322.43	1/4	3,510.57	1/4	3,688.00	1/4	3,878.56	1/4	3,999.28	1/4	4,246.56	1/4	4,432.28	1/4	4,619.28	1/4	4,815.00	1/4	5,005.14
1/2	2,932.80	1/2	3,141.15	1/2	3,326.29	1/2	3,514.43	1/2	3,691.86	1/2	3,882.42	1/2	3,999.28	1/2	4,250.42	1/2	4,436.14	1/2	4,623.14	1/2	4,820.00	1/2	5,010.14
3/4	2,938.77	3/4	3,145.00	3/4	3,330.14	3/4	3,518.28	3/4	3,695.70	3/4	3,886.26	3/4	3,999.28	3/4	4,254.26	3/4	4,440.00	3/4	4,627.00	3/4	4,825.00	3/4	5,015.14
1	2,944.74	1	3,148.86	1	3,334.00	1	3,522.14	1	3,699.56	1	3,890.14	1	3,999.28	1	4,258.14	1	4,443.86	1	4,631.86	1	4,830.00	1	5,020.14
1/4	2,950.70	1/4	3,152.72	1/4	3,337.86	1/4	3,526.00	1/4	3,703.42	1/4	3,894.00	1/4	3,999.28	1/4	4,262.00	1/4	4,447.70	1/4	4,635.70	1/4	4,835.00	1/4	5,025.14
1/2	2,956.67	1/2	3,156.57	1/2	3,341.71	1/2	3,529.86	1/2	3,707.28	1/2	3,897.86	1/2	3,999.28	1/2	4,265.86	1/2	4,451.56	1/2	4,639.56	1/2	4,840.00	1/2	5,030.14
3/4	2,962.63	3/4	3,160.43	3/4	3,345.57	3/4	3,533.71	3/4	3,711.14	3/4	3,901.70	3/4	3,999.28	3/4	4,269.70	3/4	4,455.42	3/4	4,643.42	3/4	4,845.00	3/4	5,035.14
1	2,968.60	1	3,164.29	1	3,349.43	1	3,537.57	1	3,715.00	1	3,905.56	1	3,999.28	1	4,273.56	1	4,459.28	1	4,647.28	1	4,850.00	1	5,040.14
1/4	2,974.57	1/4	3,168.14	1/4	3,353.29	1/4	3,541.43	1/4	3,718.86	1/4	3,909.42	1/4	3,999.28	1/4	4,277.42	1/4	4,463.14	1/4	4,651.14	1/4	4,855.00	1/4	5,045.14
1/2	2,980.53	1/2	3,172.00	1/2	3,357.14	1/2	3,545.28	1/2	3,722.70	1/2	3,913.26	1/2	3,999.28	1/2	4,281.26	1/2	4,467.00	1/2	4,655.00	1/2	4,860.00	1/2	5,050.14
3/4	2,986.50	3/4	3,175.86	3/4	3,361.00	3/4	3,549.14	3/4	3,726.56	3/4	3,917.14	3/4	3,999.28	3/4	4,285.14	3/4	4,470.86	3/4	4,658.86	3/4	4,865.00	3/4	5,055.14
1	2,992.47	1	3,179.72	1	3,364.86	1	3,553.00	1	3,730.42	1	3,921.00	1	3,999.28	1	4,289.00	1	4,474.70	1	4,662.70	1	4,870.00	1	5,060.14
1/4	2,998.43	1/4	3,183.57	1/4	3,368.71	1/4	3,556.86	1/4	3,734.28	1/4	3,924.86	1/4	3,999.28	1/4	4,292.86	1/4	4,478.56	1/4	4,666.56	1/4	4,875.00	1/4	5,065.14
1/2	3,004.29	1/2	3,187.43	1/2	3,372.57	1/2	3,560.71	1/2	3,738.14	1/2	3,928.70	1/2	3,999.28	1/2	4,296.70	1/2	4,482.42	1/2	4,670.42	1/2	4,880.00	1/2	5,070.14
3/4	3,010.00	3/4	3,191.29	3/4	3,376.43	3/4	3,564.57	3/4	3,742.00	3/4	3,932.56	3/4	3,999.28	3/4	4,300.56	3/4	4,486.28	3/4	4,674.28	3/4	4,885.00	3/4	5,075.14
1	3,013.86	1	3,195.14	1	3,380.29	1	3,568.43	1	3,745.86	1	3,936.42	1	3,999.28	1	4,304.42	1	4,490.14	1	4,678.14	1	4,890.00	1	5,080.14
1/4	3,017.72	1/4	3,199.00	1/4	3,384.14	1/4	3,572.28	1/4	3,749.70	1/4	3,940.26	1/4	3,999.28	1/4	4,308.26	1/4	4,494.00	1/4	4,682.00	1/4	4,895.00	1/4	5,085.14
1/2	3,021.58	1/2	3,202.86	1/2	3,388.00	1/2	3,576.14	1/2	3,753.56	1/2	3,944.14	1/2	3,999.28	1/2	4,312.14	1/2	4,497.86	1/2	4,685.86	1/2	4,900.00	1/2	5,090.14
3/4	3,025.43	3/4	3,206.72	3/4	3,391.86	3/4	3,580.00	3/4	3,757.42	3/4	3,948.00	3/4	3,999.28	3/4	4,316.00	3/4	4,501.70	3/4	4,689.70	3/4	4,905.00	3/4	5,095.14
1	3,029.29	1	3,210.57	1	3,395.71	1	3,583.86	1	3,761.28	1	3,952.56	1	3,999.28	1	4,319.86	1	4,505.56	1	4,693.56	1	4,910.00	1	5,100.14
1/4	3,033.15	1/4	3,214.43	1/4	3,399.57	1/4	3,587.71	1/4	3,765.14	1/4	3,956.42	1/4	3,999.28	1/4	4,323.70	1/4	4,509.42	1/4	4,697.42	1/4	4,915.00	1/4	5,105.14
1/2	3,037.00	1/2	3,218.29	1/2	3,403.43	1/2	3,591.57	1/2	3,769.00	1/2	3,960.26	1/2	3,999.28	1/2	4,327.56	1/2	4,513.26	1/2	4,701.26	1/2	4,920.00	1/2	5,110.14
3/4	3,040.86	3/4	3,222.14	3/4	3,407.29	3/4	3,595.43	3/4	3,772.86	3/4	3,964.14	3/4	3,999.28	3/4	4,331.42	3/4	4,517.14	3/4	4,705.14	3/4	4,925.00		



# BARGE "IB 1989"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03"

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	0.63	0	240.51	0	514.97	0	785.40	0	1,057.20	0	1,331.67	0	1,606.15	0	1,880.62	0	2,155.09	0	2,429.57
1/4	1.58	1/4	246.22	1/4	520.69	1/4	790.95	1/4	1,062.92	1/4	1,337.39	1/4	1,611.86	1/4	1,886.34	1/4	2,160.81	1/4	2,435.28
1/2	2.53	1/2	251.94	1/2	526.41	1/2	796.50	1/2	1,068.64	1/2	1,343.11	1/2	1,617.58	1/2	1,892.06	1/2	2,166.53	1/2	2,441.00
3/4	3.48	3/4	257.66	3/4	532.12	3/4	802.05	3/4	1,074.35	3/4	1,348.83	3/4	1,623.30	3/4	1,897.77	3/4	2,172.25	3/4	2,446.72
1	4.44	1	263.38	1	537.84	1	807.60	1	1,080.07	1	1,354.55	1	1,629.02	1	1,903.49	1	2,177.97	1	2,452.44
1/4	7.30	1/4	269.10	1/4	543.56	1/4	813.15	1/4	1,085.79	1/4	1,360.26	1/4	1,634.74	1/4	1,909.21	1/4	2,183.68	1/4	2,458.16
1/2	10.15	1/2	274.81	1/2	549.28	1/2	818.70	1/2	1,091.51	1/2	1,365.98	1/2	1,640.46	1/2	1,914.93	1/2	2,191.41	1/2	2,463.64
3/4	13.01	3/4	280.53	3/4	555.00	3/4	824.25	3/4	1,097.23	3/4	1,371.70	3/4	1,646.17	3/4	1,917.64	3/4	2,195.12	3/4	2,469.11
1	15.87	1	286.25	1	560.71	1	829.80	1	1,102.94	1	1,377.42	1	1,651.89	1	1,926.37	1	2,200.84	1	2,474.31
1/4	20.63	1/4	291.97	1/4	566.43	1/4	835.36	1/4	1,108.66	1/4	1,383.14	1/4	1,657.61	1/4	1,932.08	1/4	2,206.56	1/4	2,481.03
1/2	25.40	1/2	297.69	1/2	572.15	1/2	840.91	1/2	1,114.38	1/2	1,388.85	1/2	1,663.33	1/2	1,937.80	1/2	2,212.28	1/2	2,486.75
3/4	30.16	3/4	303.40	3/4	577.87	3/4	846.46	3/4	1,120.10	3/4	1,394.57	3/4	1,669.05	3/4	1,943.52	3/4	2,217.99	3/4	2,492.47
1	34.92	1	309.12	1	583.59	1	852.01	1	1,125.82	1	1,400.29	1	1,674.76	1	1,949.24	1	2,223.71	1	2,498.18
1/4	40.59	1/4	314.84	1/4	589.30	1/4	857.56	1/4	1,131.54	1/4	1,406.01	1/4	1,680.48	1/4	1,954.96	1/4	2,229.43	1/4	2,503.90
1/2	46.26	1/2	320.56	1/2	595.02	1/2	863.11	1/2	1,137.25	1/2	1,411.73	1/2	1,686.20	1/2	1,960.67	1/2	2,235.15	1/2	2,509.62
3/4	51.93	3/4	326.28	3/4	600.74	3/4	868.66	3/4	1,142.97	3/4	1,417.45	3/4	1,691.92	3/4	1,966.39	3/4	2,240.87	3/4	2,515.34
1	57.60	1	331.99	1	606.46	1	874.22	1	1,148.69	1	1,423.16	1	1,697.64	1	1,972.11	1	2,246.58	1	2,521.06
1/4	63.30	1/4	337.71	1/4	612.18	1/4	879.93	1/4	1,154.41	1/4	1,428.88	1/4	1,703.36	1/4	1,977.83	1/4	2,252.30	1/4	2,526.78
1/2	69.00	1/2	343.43	1/2	617.89	1/2	885.65	1/2	1,160.13	1/2	1,434.60	1/2	1,709.07	1/2	1,983.55	1/2	2,258.02	1/2	2,532.49
3/4	74.71	3/4	349.15	3/4	623.61	3/4	891.37	3/4	1,165.84	3/4	1,440.32	3/4	1,714.79	3/4	1,989.27	3/4	2,263.74	3/4	2,538.21
1	80.41	1	354.87	1	629.33	1	897.09	1	1,171.56	1	1,446.04	1	1,720.51	1	1,994.98	1	2,269.46	1	2,543.93
1/4	86.13	1/4	360.58	1/4	635.05	1/4	902.81	1/4	1,177.28	1/4	1,451.75	1/4	1,726.23	1/4	2,000.70	1/4	2,275.18	1/4	2,549.65
1/2	91.84	1/2	366.30	1/2	640.77	1/2	908.53	1/2	1,183.00	1/2	1,457.47	1/2	1,731.95	1/2	2,006.42	1/2	2,280.89	1/2	2,555.37
3/4	97.56	3/4	372.02	3/4	646.48	3/4	914.24	3/4	1,188.72	3/4	1,463.19	3/4	1,737.66	3/4	2,012.14	3/4	2,286.61	3/4	2,561.09
1	103.28	1	377.74	1	652.20	1	919.96	1	1,194.44	1	1,468.91	1	1,743.38	1	2,017.86	1	2,292.33	1	2,566.80
1/4	109.00	1/4	383.46	1/4	657.75	1/4	925.68	1/4	1,200.15	1/4	1,474.63	1/4	1,749.10	1/4	2,023.57	1/4	2,298.05	1/4	2,572.52
1/2	114.71	1/2	389.17	1/2	663.30	1/2	931.42	1/2	1,205.87	1/2	1,480.35	1/2	1,754.82	1/2	2,029.29	1/2	2,303.77	1/2	2,578.24
3/4	120.43	3/4	394.89	3/4	668.85	3/4	937.12	3/4	1,211.59	3/4	1,486.06	3/4	1,760.54	3/4	2,035.01	3/4	2,309.48	3/4	2,583.96
1	126.15	1	400.61	1	674.40	1	942.83	1	1,217.31	1	1,491.78	1	1,766.26	1	2,040.73	1	2,315.20	1	2,589.68
1/4	131.87	1/4	406.33	1/4	679.95	1/4	948.55	1/4	1,223.03	1/4	1,497.50	1/4	1,771.97	1/4	2,046.45	1/4	2,320.94	1/4	2,595.39
1/2	137.58	1/2	412.05	1/2	685.50	1/2	954.27	1/2	1,228.74	1/2	1,503.22	1/2	1,777.69	1/2	2,052.17	1/2	2,326.64	1/2	2,601.11
3/4	143.30	3/4	417.76	3/4	691.05	3/4	959.99	3/4	1,234.46	3/4	1,508.94	3/4	1,783.41	3/4	2,057.88	3/4	2,332.36	3/4	2,606.83
1	149.02	1	423.48	1	696.60	1	965.71	1	1,240.18	1	1,514.65	1	1,789.13	1	2,063.60	1	2,338.08	1	2,612.55
1/4	154.74	1/4	429.20	1/4	702.15	1/4	971.43	1/4	1,245.90	1/4	1,520.37	1/4	1,794.85	1/4	2,069.32	1/4	2,343.79	1/4	2,618.27
1/2	160.46	1/2	434.92	1/2	707.70	1/2	977.14	1/2	1,251.62	1/2	1,526.09	1/2	1,800.56	1/2	2,075.04	1/2	2,349.51	1/2	2,623.99
3/4	166.17	3/4	440.64	3/4	713.25	3/4	982.86	3/4	1,257.34	3/4	1,531.81	3/4	1,806.28	3/4	2,080.76	3/4	2,355.23	3/4	2,629.70
1	171.89	1	446.35	1	718.80	1	988.58	1	1,263.05	1	1,537.53	1	1,812.00	1	2,086.47	1	2,360.95	1	2,635.42
1/4	177.61	1/4	452.07	1/4	724.35	1/4	994.30	1/4	1,268.77	1/4	1,543.25	1/4	1,817.72	1/4	2,092.19	1/4	2,366.67	1/4	2,641.14
1/2	183.33	1/2	457.79	1/2	729.90	1/2	1,000.02	1/2	1,274.49	1/2	1,548.96	1/2	1,823.44	1/2	2,097.91	1/2	2,372.38	1/2	2,646.86
3/4	189.04	3/4	463.51	3/4	735.45	3/4	1,005.73	3/4	1,280.21	3/4	1,554.68	3/4	1,828.16	3/4	2,103.63	3/4	2,378.10	3/4	2,652.58
1	194.76	1	469.23	1	741.00	1	1,011.45	1	1,285.93	1	1,560.40	1	1,834.87	1	2,109.35	1	2,383.82	1	2,658.29
1/4	200.48	1/4	474.94	1/4	746.55	1/4	1,017.17	1/4	1,291.64	1/4	1,566.12	1/4	1,840.59	1/4	2,115.07	1/4	2,389.54	1/4	2,664.01
1/2	206.20	1/2	480.66	1/2	752.10	1/2	1,022.89	1/2	1,297.36	1/2	1,571.84	1/2	1,846.31	1/2	2,120.78	1/2	2,395.26	1/2	2,669.73
3/4	211.92	3/4	486.38	3/4	757.65	3/4	1,028.61	3/4	1,303.08	3/4	1,577.57	3/4	1,852.03	3/4	2,126.50	3/4	2,400.99	3/4	2,675.45
1	217.63	1	492.10	1	763.20	1	1,034.33	1	1,308.80	1	1,583.30	1	1,857.75	1	2,132.22	1	2,406.69	1	2,681.17
1/4	223.35	1/4	497.82	1/4	768.75	1/4	1,040.04	1/4	1,314.52	1/4	1,588.99	1/4	1,863.46	1/4	2,137.94	1/4	2,412.41	1/4	2,686.89
1/2	229.07	1/2	503.53	1/2	774.30	1/2	1,045.76	1/2	1,320.24	1/2	1,594.71	1/2	1,869.18	1/2	2,143.66	1/2	2,418.13	1/2	2,692.60
3/4	234.79	3/4	509.25	3/4	779.85	3/4	1,051.48	3/4	1,325.95	3/4	1,600.43	3/4	1,874.90	3/4	2,149.37	3/4	2,423.85	3/4	2,698.32

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IMPMS 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'-08" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pasadena, Texas 77588

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# BARGE "IB 1989"

## 2 CENTER INNAGE TABLE

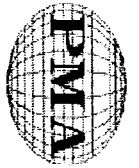
CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03"

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	2,704.04	0	2,978.51	0	3,252.99	0	3,527.46	0	3,801.94	0	4,076.41	0	4,350.89	0	4,625.36	0	4,900	0	5,174.44	0
1/4	2,709.76	1/4	2,984.23	1/4	3,258.71	1/4	3,533.18	1/4	3,807.65	1/4	4,082.12	1/4	4,356.59	1/4	4,631.06	1/4	4,905.53	1/4	5,180	1/4
1/2	2,715.48	1/2	2,989.95	1/2	3,264.42	1/2	3,538.89	1/2	3,813.36	1/2	4,087.83	1/2	4,362.30	1/2	4,640.77	1/2	4,919.24	1/2	5,198	1/2
3/4	2,721.19	3/4	2,995.67	3/4	3,270.14	3/4	3,544.62	3/4	3,819.09	3/4	4,093.56	3/4	4,372.03	3/4	4,649.50	3/4	4,928	3/4	5,207	3/4
1	2,726.91	1	3,001.39	1	3,275.86	1	3,550.33	1	3,824.80	1	4,100.27	1	4,374.74	1	4,653.21	1	4,932	1	5,216	1
1 1/4	2,732.63	1 1/4	3,007.10	1 1/4	3,281.58	1 1/4	3,556.05	1 1/4	3,829.52	1 1/4	4,105.99	1 1/4	4,379.46	1 1/4	4,657.93	1 1/4	4,936	1 1/4	5,220	1 1/4
1 1/2	2,738.35	1 1/2	3,012.82	1 1/2	3,287.30	1 1/2	3,561.77	1 1/2	3,834.24	1 1/2	4,111.71	1 1/2	4,385.18	1 1/2	4,663.65	1 1/2	4,941	1 1/2	5,224	1 1/2
3/4	2,744.07	3/4	3,018.54	3/4	3,293.01	3/4	3,567.49	3/4	3,839.96	3/4	4,117.43	3/4	4,390.90	3/4	4,669.37	3/4	4,945	3/4	5,228	3/4
2	2,749.79	2	3,024.26	2	3,298.73	2	3,573.21	2	3,845.68	2	4,123.15	2	4,396.62	2	4,675.09	2	4,950	2	5,232	2
1 1/4	2,755.50	1 1/4	3,029.98	1 1/4	3,304.45	1 1/4	3,578.92	1 1/4	3,851.39	1 1/4	4,128.87	1 1/4	4,401.34	1 1/4	4,680.81	1 1/4	4,955	1 1/4	5,236	1 1/4
1 1/2	2,761.22	1 1/2	3,035.70	1 1/2	3,310.17	1 1/2	3,584.64	1 1/2	3,856.86	1 1/2	4,134.59	1 1/2	4,407.06	1 1/2	4,686.53	1 1/2	4,960	1 1/2	5,240	1 1/2
3/4	2,766.94	3/4	3,041.41	3/4	3,315.89	3/4	3,590.36	3/4	3,862.38	3/4	4,140.31	3/4	4,412.78	3/4	4,692.25	3/4	4,965	3/4	5,244	3/4
3	2,772.66	3	3,047.13	3	3,321.61	3	3,596.08	3	3,868.00	3	4,146.03	3	4,418.50	3	4,697.97	3	4,970	3	5,248	3
1 1/4	2,778.38	1 1/4	3,052.85	1 1/4	3,327.32	1 1/4	3,601.80	1 1/4	3,873.71	1 1/4	4,151.75	1 1/4	4,424.22	1 1/4	4,703.69	1 1/4	4,975	1 1/4	5,252	1 1/4
1 1/2	2,784.09	1 1/2	3,058.57	1 1/2	3,333.04	1 1/2	3,607.52	1 1/2	3,879.23	1 1/2	4,157.47	1 1/2	4,429.94	1 1/2	4,709.41	1 1/2	4,980	1 1/2	5,256	1 1/2
3/4	2,789.81	3/4	3,064.29	3/4	3,338.76	3/4	3,613.23	3/4	3,884.74	3/4	4,163.21	3/4	4,435.70	3/4	4,715.18	3/4	4,985	3/4	5,260	3/4
4	2,795.53	4	3,070.00	4	3,344.48	4	3,618.95	4	3,890.26	4	4,168.95	4	4,441.42	4	4,720.89	4	4,990	4	5,264	4
1 1/4	2,801.25	1 1/4	3,075.72	1 1/4	3,350.20	1 1/4	3,624.67	1 1/4	3,895.77	1 1/4	4,174.71	1 1/4	4,447.18	1 1/4	4,726.65	1 1/4	4,995	1 1/4	5,268	1 1/4
1 1/2	2,806.97	1 1/2	3,081.44	1 1/2	3,355.91	1 1/2	3,630.39	1 1/2	3,901.28	1 1/2	4,180.45	1 1/2	4,452.90	1 1/2	4,732.13	1 1/2	5,000	1 1/2	5,272	1 1/2
3/4	2,812.69	3/4	3,087.16	3/4	3,361.63	3/4	3,636.11	3/4	3,906.79	3/4	4,186.17	3/4	4,458.62	3/4	4,737.85	3/4	5,005	3/4	5,276	3/4
5	2,818.40	5	3,092.88	5	3,367.35	5	3,641.82	5	3,912.28	5	4,191.91	5	4,464.34	5	4,743.57	5	5,010	5	5,280	5
1 1/4	2,824.12	1 1/4	3,098.60	1 1/4	3,373.07	1 1/4	3,647.54	1 1/4	3,917.76	1 1/4	4,197.65	1 1/4	4,470.06	1 1/4	4,749.29	1 1/4	5,015	1 1/4	5,284	1 1/4
1 1/2	2,829.84	1 1/2	3,104.31	1 1/2	3,378.79	1 1/2	3,653.26	1 1/2	3,923.25	1 1/2	4,203.37	1 1/2	4,475.78	1 1/2	4,754.81	1 1/2	5,020	1 1/2	5,288	1 1/2
3/4	2,835.56	3/4	3,110.03	3/4	3,384.51	3/4	3,658.98	3/4	3,928.76	3/4	4,209.09	3/4	4,481.50	3/4	4,760.53	3/4	5,025	3/4	5,292	3/4
6	2,841.28	6	3,115.75	6	3,390.22	6	3,664.70	6	3,934.28	6	4,214.81	6	4,487.22	6	4,766.05	6	5,030	6	5,296	6
1 1/4	2,847.00	1 1/4	3,121.47	1 1/4	3,395.94	1 1/4	3,670.42	1 1/4	3,939.79	1 1/4	4,220.53	1 1/4	4,492.94	1 1/4	4,771.77	1 1/4	5,035	1 1/4	5,300	1 1/4
1 1/2	2,852.71	1 1/2	3,127.19	1 1/2	3,401.66	1 1/2	3,676.13	1 1/2	3,945.28	1 1/2	4,226.25	1 1/2	4,498.66	1 1/2	4,777.50	1 1/2	5,040	1 1/2	5,304	1 1/2
3/4	2,858.43	3/4	3,132.91	3/4	3,407.38	3/4	3,681.85	3/4	3,950.79	3/4	4,231.97	3/4	4,504.38	3/4	4,783.22	3/4	5,045	3/4	5,308	3/4
7	2,864.15	7	3,138.62	7	3,413.10	7	3,687.57	7	3,956.30	7	4,237.69	7	4,510.10	7	4,788.94	7	5,050	7	5,312	7
1 1/4	2,869.87	1 1/4	3,144.34	1 1/4	3,418.82	1 1/4	3,693.29	1 1/4	3,961.81	1 1/4	4,243.41	1 1/4	4,515.82	1 1/4	4,794.66	1 1/4	5,055	1 1/4	5,316	1 1/4
1 1/2	2,875.59	1 1/2	3,150.06	1 1/2	3,424.53	1 1/2	3,699.01	1 1/2	3,967.32	1 1/2	4,249.13	1 1/2	4,521.54	1 1/2	4,800.41	1 1/2	5,060	1 1/2	5,320	1 1/2
3/4	2,881.30	3/4	3,155.78	3/4	3,430.25	3/4	3,704.73	3/4	3,972.84	3/4	4,254.85	3/4	4,527.26	3/4	4,806.13	3/4	5,065	3/4	5,324	3/4
8	2,887.02	8	3,161.50	8	3,435.97	8	3,710.44	8	3,978.35	8	4,260.57	8	4,532.98	8	4,811.86	8	5,070	8	5,328	8
1 1/4	2,892.74	1 1/4	3,167.21	1 1/4	3,441.69	1 1/4	3,716.16	1 1/4	3,983.86	1 1/4	4,266.29	1 1/4	4,538.70	1 1/4	4,817.59	1 1/4	5,075	1 1/4	5,332	1 1/4
1 1/2	2,898.46	1 1/2	3,172.93	1 1/2	3,447.41	1 1/2	3,721.88	1 1/2	3,989.37	1 1/2	4,272.01	1 1/2	4,544.42	1 1/2	4,823.28	1 1/2	5,080	1 1/2	5,336	1 1/2
3/4	2,904.18	3/4	3,178.65	3/4	3,453.12	3/4	3,727.60	3/4	3,994.88	3/4	4,277.73	3/4	4,550.14	3/4	4,828.97	3/4	5,085	3/4	5,340	3/4
9	2,909.90	9	3,184.37	9	3,458.84	9	3,733.32	9	3,999.39	9	4,283.45	9	4,555.86	9	4,834.66	9	5,090	9	5,344	9
1 1/4	2,915.61	1 1/4	3,190.09	1 1/4	3,464.56	1 1/4	3,739.04	1 1/4	4,004.90	1 1/4	4,289.17	1 1/4	4,561.58	1 1/4	4,840.35	1 1/4	5,095	1 1/4	5,348	1 1/4
1 1/2	2,921.33	1 1/2	3,195.81	1 1/2	3,470.28	1 1/2	3,744.76	1 1/2	4,010.41	1 1/2	4,294.89	1 1/2	4,567.30	1 1/2	4,846.03	1 1/2	5,100	1 1/2	5,352	1 1/2
3/4	2,927.05	3/4	3,201.52	3/4	3,476.00	3/4	3,750.48	3/4	4,015.92	3/4	4,300.61	3/4	4,573.02	3/4	4,851.72	3/4	5,105	3/4	5,356	3/4
10	2,932.77	10	3,207.24	10	3,481.72	10	3,756.20	10	4,021.43	10	4,306.33	10	4,578.74	10	4,857.41	10	5,110	10	5,360	10
1 1/4	2,938.49	1 1/4	3,212.96	1 1/4	3,487.43	1 1/4	3,761.91	1 1/4	4,026.94	1 1/4	4,312.05	1 1/4	4,584.46	1 1/4	4,863.10	1 1/4	5,115	1 1/4	5,364	1 1/4
1 1/2	2,944.20	1 1/2	3,218.68	1 1/2	3,493.15	1 1/2	3,767.62	1 1/2	4,032.45	1 1/2	4,317.77	1 1/2	4,590.18	1 1/2	4,868.79	1 1/2	5,120	1 1/2	5,368	1 1/2
3/4	2,949.92	3/4	3,224.40	3/4	3,498.87	3/4	3,773.33	3/4	4,037.96	3/4	4,323.49	3/4	4,595.89	3/4	4,874.50	3/4	5,125	3/4	5,372	3/4
11	2,955.64	11	3,230.11	11	3,504.59	11	3,779.04	11	4,043.47	11	4,329.21	11	4,601.41	11	4,880.21	11	5,130	11	5,376	11
1 1/4	2,961.36	1 1/4	3,235.83	1 1/4	3,510.31	1 1/4	3,784.72	1 1/4	4,048.98	1 1/4	4,334.93	1 1/4	4,607.12	1 1/4	4,885.82	1 1/4	5,135	1 1/4	5,380	1 1/4
1 1/2	2,967.08	1 1/2	3,241.55	1 1/2	3,516.02	1 1/2	3,790.40	1 1/2	4,054.49	1 1/2	4,340.65	1 1/2	4,612.84	1 1/2	4,891.43	1 1/2	5,140	1 1/2	5,384	1 1/2
3/4	2,972.80	3/4	3,247.27	3/4	3,521.74	3/4	3,796.08	3/4	4,060.00	3/4	4,346.37	3/4	4,618.56	3/4	4,897.02	3/4	5,145	3/4	5,388	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "IB 1989"

## 3 CENTER INNAGE TABLE

GAUGE HEIGHT 15'-03"

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS		CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS		CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS		CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS		CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS		CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS		CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS		CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS		CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS		CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS		CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS	
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	0.53	0	238.83	0	511.37	0	783.66	0	1,056.05	0	1,328.60	0	1,601.16	0	1,873.71	0	2,146.26	0	2,418.82	0	2,691.37
1/4	1.57	1/4	244.51	1/4	517.05	1/4	789.33	1/4	1,061.73	1/4	1,334.28	1/4	1,606.84	1/4	1,879.39	1/4	2,151.94	1/4	2,424.50	1/4	2,697.05
1/2	2.52	1/2	250.18	1/2	522.73	1/2	794.99	1/2	1,067.41	1/2	1,339.96	1/2	1,612.51	1/2	1,885.07	1/2	2,157.62	1/2	2,430.17	1/2	2,702.72
3/4	3.47	3/4	255.86	3/4	528.41	3/4	800.66	3/4	1,073.08	3/4	1,345.64	3/4	1,618.19	3/4	1,890.75	3/4	2,163.30	3/4	2,435.85	3/4	2,708.40
1	4.41	1	261.54	1	534.08	1	806.33	1	1,077.61	1	1,351.92	1	1,626.23	1	1,899.79	1	2,174.10	1	2,448.41	1	2,723.92
1/4	7.25	1/4	267.22	1/4	539.76	1/4	811.99	1/4	1,084.44	1/4	1,358.75	1/4	1,633.06	1/4	1,907.37	1/4	2,181.68	1/4	2,456.99	1/4	2,731.50
1/2	10.09	1/2	272.90	1/2	545.44	1/2	817.66	1/2	1,090.12	1/2	1,366.43	1/2	1,640.74	1/2	1,915.05	1/2	2,189.36	1/2	2,463.67	1/2	2,737.98
3/4	12.93	3/4	278.57	3/4	551.12	3/4	823.33	3/4	1,095.80	3/4	1,372.11	3/4	1,646.42	3/4	1,920.73	3/4	2,195.04	3/4	2,470.35	3/4	2,743.69
2	15.77	2	284.25	2	556.80	2	829.00	2	1,101.48	2	1,377.27	2	1,652.58	2	1,927.89	2	2,203.20	2	2,478.51	2	2,753.02
1/4	20.50	1/4	289.93	1/4	562.47	1/4	834.67	1/4	1,107.15	1/4	1,383.94	1/4	1,658.25	1/4	1,933.56	1/4	2,209.07	1/4	2,484.38	1/4	2,758.53
1/2	25.23	1/2	295.61	1/2	568.15	1/2	840.33	1/2	1,112.83	1/2	1,389.39	1/2	1,663.70	1/2	1,939.01	1/2	2,214.79	1/2	2,489.60	1/2	2,763.74
3/4	29.95	3/4	301.29	3/4	573.83	3/4	846.00	3/4	1,118.51	3/4	1,394.84	3/4	1,669.01	3/4	1,944.32	3/4	2,220.08	3/4	2,494.81	3/4	2,768.95
3	34.68	3	306.96	3	579.51	3	851.67	3	1,124.19	3	1,399.64	3	1,674.33	3	1,949.64	3	2,225.37	3	2,500.58	3	2,774.10
1/4	40.31	1/4	312.64	1/4	585.19	1/4	857.34	1/4	1,129.87	1/4	1,404.22	1/4	1,679.56	1/4	1,954.87	1/4	2,230.18	1/4	2,505.49	1/4	2,779.01
1/2	45.94	1/2	318.32	1/2	590.86	1/2	863.01	1/2	1,135.55	1/2	1,408.10	1/2	1,684.85	1/2	1,959.16	1/2	2,235.47	1/2	2,510.78	1/2	2,784.32
3/4	51.57	3/4	324.00	3/4	596.54	3/4	868.68	3/4	1,141.22	3/4	1,413.78	3/4	1,690.33	3/4	1,963.47	3/4	2,240.76	3/4	2,516.09	3/4	2,789.63
4	57.20	4	329.68	4	602.22	4	874.35	4	1,146.90	4	1,419.46	4	1,695.01	4	1,967.15	4	2,246.05	4	2,521.38	4	2,794.96
1/4	62.86	1/4	335.35	1/4	607.90	1/4	880.03	1/4	1,152.58	1/4	1,425.13	1/4	1,700.42	1/4	1,972.16	1/4	2,251.35	1/4	2,526.68	1/4	2,800.29
1/2	68.53	1/2	341.03	1/2	613.58	1/2	885.70	1/2	1,158.26	1/2	1,430.81	1/2	1,705.77	1/2	1,977.50	1/2	2,256.64	1/2	2,532.01	1/2	2,805.60
3/4	74.19	3/4	346.71	3/4	619.25	3/4	891.38	3/4	1,163.34	3/4	1,436.49	3/4	1,711.30	3/4	1,982.83	3/4	2,261.93	3/4	2,537.26	3/4	2,810.95
5	79.85	5	352.07	5	624.93	5	897.06	5	1,169.61	5	1,442.17	5	1,717.42	5	1,988.06	5	2,267.22	5	2,542.55	5	2,816.00
1/4	85.53	1/4	358.07	1/4	630.51	1/4	902.74	1/4	1,175.39	1/4	1,447.85	1/4	1,723.00	1/4	1,993.29	1/4	2,272.51	1/4	2,547.84	1/4	2,821.29
1/2	91.21	1/2	363.74	1/2	636.29	1/2	908.42	1/2	1,180.97	1/2	1,453.52	1/2	1,728.63	1/2	1,998.58	1/2	2,277.80	1/2	2,553.09	1/2	2,826.54
3/4	96.88	3/4	369.42	3/4	641.97	3/4	914.10	3/4	1,186.55	3/4	1,459.20	3/4	1,733.76	3/4	2,003.82	3/4	2,283.09	3/4	2,558.33	3/4	2,831.78
6	102.54	6	375.10	6	647.64	6	919.77	6	1,192.33	6	1,464.88	6	1,739.01	6	2,009.14	6	2,288.38	6	2,563.62	6	2,837.02
1/4	108.24	1/4	380.78	1/4	653.31	1/4	925.45	1/4	1,198.01	1/4	1,470.56	1/4	1,744.11	1/4	2,014.45	1/4	2,293.69	1/4	2,568.93	1/4	2,842.26
1/2	113.92	1/2	386.46	1/2	658.98	1/2	931.13	1/2	1,203.68	1/2	1,476.24	1/2	1,749.79	1/2	2,019.78	1/2	2,298.93	1/2	2,574.17	1/2	2,847.50
3/4	119.59	3/4	392.13	3/4	664.65	3/4	936.81	3/4	1,208.36	3/4	1,481.92	3/4	1,755.44	3/4	2,025.02	3/4	2,304.17	3/4	2,579.41	3/4	2,852.74
7	125.27	7	397.81	7	670.31	7	942.49	7	1,215.04	7	1,487.59	7	1,760.15	7	2,030.27	7	2,309.42	7	2,584.66	7	2,858.08
1/4	130.95	1/4	403.49	1/4	675.98	1/4	948.16	1/4	1,220.72	1/4	1,493.27	1/4	1,765.83	1/4	2,035.42	1/4	2,314.57	1/4	2,589.81	1/4	2,863.31
1/2	136.63	1/2	409.17	1/2	681.65	1/2	953.84	1/2	1,226.40	1/2	1,498.95	1/2	1,771.50	1/2	2,040.66	1/2	2,319.72	1/2	2,594.96	1/2	2,868.54
3/4	142.31	3/4	414.85	3/4	687.31	3/4	959.52	3/4	1,232.07	3/4	1,504.63	3/4	1,777.18	3/4	2,045.81	3/4	2,324.87	3/4	2,600.11	3/4	2,873.78
8	147.98	8	420.52	8	692.98	8	965.20	8	1,237.75	8	1,510.31	8	1,782.86	8	2,051.01	8	2,329.92	8	2,605.26	8	2,879.02
1/4	153.66	1/4	426.20	1/4	698.65	1/4	970.88	1/4	1,243.43	1/4	1,515.98	1/4	1,788.54	1/4	2,056.16	1/4	2,335.07	1/4	2,610.41	1/4	2,884.16
1/2	159.34	1/2	431.88	1/2	704.32	1/2	976.56	1/2	1,249.11	1/2	1,521.66	1/2	1,794.22	1/2	2,061.31	1/2	2,340.18	1/2	2,615.55	1/2	2,889.29
3/4	165.01	3/4	437.56	3/4	709.98	3/4	982.23	3/4	1,254.79	3/4	1,527.34	3/4	1,799.89	3/4	2,066.46	3/4	2,345.29	3/4	2,620.69	3/4	2,894.42
9	170.69	9	443.24	9	715.65	9	987.91	9	1,260.47	9	1,533.02	9	1,805.57	9	2,071.61	9	2,350.42	9	2,625.83	9	2,899.54
1/4	176.37	1/4	448.91	1/4	721.32	1/4	993.59	1/4	1,266.14	1/4	1,538.70	1/4	1,811.25	1/4	2,076.76	1/4	2,355.57	1/4	2,630.98	1/4	2,904.69
1/2	182.05	1/2	454.59	1/2	726.99	1/2	999.27	1/2	1,271.82	1/2	1,544.38	1/2	1,816.93	1/2	2,081.91	1/2	2,360.72	1/2	2,636.09	1/2	2,909.80
3/4	187.73	3/4	460.27	3/4	732.65	3/4	1,004.95	3/4	1,277.50	3/4	1,550.05	3/4	1,822.61	3/4	2,087.06	3/4	2,365.87	3/4	2,641.20	3/4	2,914.91
10	193.40	10	465.95	10	738.32	10	1,016.30	10	1,283.18	10	1,555.73	10	1,828.29	10	2,092.21	10	2,370.92	10	2,646.31	10	2,920.02
1/4	199.08	1/4	471.53	1/4	743.99	1/4	1,021.62	1/4	1,288.86	1/4	1,561.41	1/4	1,833.96	1/4	2,097.36	1/4	2,376.07	1/4	2,651.42	1/4	2,925.13
1/2	204.76	1/2	477.30	1/2	749.65	1/2	1,027.32	1/2	1,294.53	1/2	1,567.09	1/2	1,839.64	1/2	2,102.51	1/2	2,381.18	1/2	2,656.53	1/2	2,930.24
3/4	210.44	3/4	483.38	3/4	755.32	3/4	1,032.66	3/4	1,300.21	3/4	1,572.77	3/4	1,845.32	3/4	2,107.63	3/4	2,386.29	3/4	2,661.64	3/4	2,935.35
11	216.12	11	488.66	11	760.99	11	1,039.02	11	1,305.89	11	1,578.44	11	1,850.48	11	2,112.75	11	2,391.40	11	2,666.75	11	2,940.46
1/4	221.79	1/4	494.34	1/4	766.66	1/4	1,045.34	1/4	1,311.57	1/4	1,584.12	1/4	1,855.68	1/4	2,117.86	1/4	2,396.51	1/4	2,671.86	1/4	2,945.57
1/2	227.47	1/2	500.02	1/2	772.32	1/2	1,044.69	1/2	1,317.25	1/2	1,589.80	1/2	1,860.79	1/2	2,122.97	1/2	2,401.64	1/2	2,677.07	1/2	2,950.68
3/4	233.15	3/4	505.69	3/4	777.99	3/4	1,050.37	3/4	1,322.93												



# BARGE "IB 1989"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03"

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	2,691.37	0	2,963.93	0	3,236.48	0	3,509.03	0	3,781.40	0	4,053.85	0	4,326.30	0	4,598.75	0	4,871.20	0	5,143.65
1/8	2,697.05	1/8	2,969.60	1/8	3,242.16	1/8	3,514.71	1/8	3,787.26	1/8	4,059.81	1/8	4,332.36	1/8	4,604.91	1/8	4,877.46	1/8	5,149.91
1/4	2,702.73	1/4	2,975.28	1/4	3,247.84	1/4	3,520.39	1/4	3,792.94	1/4	4,065.49	1/4	4,338.04	1/4	4,610.59	1/4	4,883.14	1/4	5,155.69
3/8	2,708.41	3/8	2,980.96	3/8	3,253.51	3/8	3,526.07	3/8	3,798.62	3/8	4,071.17	3/8	4,343.72	3/8	4,616.27	3/8	4,888.82	3/8	5,161.37
1	2,714.08	1	2,986.64	1	3,259.19	1	3,531.75	1	3,804.30	1	4,076.85	1	4,349.41	1	4,621.96	1	4,894.52	1	5,167.07
1/4	2,719.76	1/4	2,992.32	1/4	3,264.87	1/4	3,537.42	1/4	3,810.97	1/4	4,083.52	1/4	4,356.07	1/4	4,628.62	1/4	4,901.17	1/4	5,172.72
1/2	2,725.44	1/2	2,997.99	1/2	3,270.55	1/2	3,543.10	1/2	3,816.65	1/2	4,089.20	1/2	4,361.75	1/2	4,634.30	1/2	4,906.85	1/2	5,178.40
3/4	2,731.12	3/4	3,003.67	3/4	3,276.23	3/4	3,548.78	3/4	3,822.33	3/4	4,094.88	3/4	4,367.43	3/4	4,640.98	3/4	4,913.53	3/4	5,184.08
2	2,736.80	2	3,009.35	2	3,281.90	2	3,554.46	2	3,827.01	2	4,099.56	2	4,372.11	2	4,644.66	2	4,917.21	2	5,189.76
1/4	2,742.48	1/4	3,015.03	1/4	3,287.58	1/4	3,560.14	1/4	3,832.69	1/4	4,105.24	1/4	4,379.79	1/4	4,652.34	1/4	4,924.89	1/4	5,195.44
1/2	2,748.15	1/2	3,020.71	1/2	3,293.26	1/2	3,565.81	1/2	3,840.36	1/2	4,110.89	1/2	4,385.44	1/2	4,657.99	1/2	4,930.54	1/2	5,201.08
3/4	2,753.83	3/4	3,026.39	3/4	3,298.94	3/4	3,571.49	3/4	3,845.94	3/4	4,116.49	3/4	4,390.54	3/4	4,663.09	3/4	4,936.14	3/4	5,206.72
3	2,759.51	3	3,032.06	3	3,304.62	3	3,577.17	3	3,851.72	3	4,121.77	3	4,396.82	3	4,669.37	3	4,941.69	3	5,212.36
1/4	2,765.19	1/4	3,037.74	1/4	3,310.30	1/4	3,582.85	1/4	3,857.90	1/4	4,127.35	1/4	4,402.40	1/4	4,674.95	1/4	4,947.50	1/4	5,218.00
1/2	2,770.87	1/2	3,043.42	1/2	3,315.97	1/2	3,588.53	1/2	3,863.58	1/2	4,132.90	1/2	4,407.95	1/2	4,680.50	1/2	4,955.55	1/2	5,223.64
3/4	2,776.54	3/4	3,049.10	3/4	3,321.65	3/4	3,594.21	3/4	3,869.23	3/4	4,138.43	3/4	4,413.48	3/4	4,686.03	3/4	4,961.08	3/4	5,229.28
4	2,782.22	4	3,054.78	4	3,327.33	4	3,599.88	4	3,874.84	4	4,143.96	4	4,418.51	4	4,691.06	4	4,966.61	4	5,234.92
1/4	2,787.90	1/4	3,060.45	1/4	3,333.01	1/4	3,605.56	1/4	3,880.45	1/4	4,149.01	1/4	4,423.56	1/4	4,696.11	1/4	4,971.66	1/4	5,240.56
1/2	2,793.58	1/2	3,066.13	1/2	3,338.69	1/2	3,611.24	1/2	3,886.07	1/2	4,154.53	1/2	4,429.08	1/2	4,701.63	1/2	4,977.18	1/2	5,246.20
3/4	2,799.26	3/4	3,071.81	3/4	3,344.36	3/4	3,616.92	3/4	3,891.65	3/4	4,159.61	3/4	4,434.17	3/4	4,706.72	3/4	4,982.73	3/4	5,251.84
5	2,804.94	5	3,077.49	5	3,350.04	5	3,622.60	5	3,897.19	5	4,165.10	5	4,439.65	5	4,712.20	5	4,988.34	5	5,257.48
1/4	2,810.61	1/4	3,083.17	1/4	3,355.72	1/4	3,628.27	1/4	3,902.74	1/4	4,170.69	1/4	4,445.24	1/4	4,717.79	1/4	4,993.89	1/4	5,263.12
1/2	2,816.29	1/2	3,088.85	1/2	3,361.40	1/2	3,633.95	1/2	3,908.31	1/2	4,175.78	1/2	4,450.33	1/2	4,722.83	1/2	4,999.38	1/2	5,268.76
3/4	2,821.97	3/4	3,094.52	3/4	3,367.08	3/4	3,639.63	3/4	3,913.84	3/4	4,180.87	3/4	4,455.38	3/4	4,727.88	3/4	5,004.42	3/4	5,274.40
6	2,827.65	6	3,100.20	6	3,372.76	6	3,645.31	6	3,919.37	6	4,185.92	6	4,460.43	6	4,732.93	6	5,009.97	6	5,280.04
1/4	2,833.33	1/4	3,105.88	1/4	3,378.43	1/4	3,650.99	1/4	3,924.92	1/4	4,190.97	1/4	4,465.48	1/4	4,737.94	1/4	5,015.01	1/4	5,285.68
1/2	2,839.01	1/2	3,111.56	1/2	3,384.11	1/2	3,656.67	1/2	3,930.47	1/2	4,196.02	1/2	4,470.53	1/2	4,742.99	1/2	5,020.55	1/2	5,291.32
3/4	2,844.68	3/4	3,117.24	3/4	3,389.79	3/4	3,662.34	3/4	3,935.99	3/4	4,201.07	3/4	4,475.58	3/4	4,748.04	3/4	5,026.09	3/4	5,296.96
7	2,850.36	7	3,122.92	7	3,395.47	7	3,668.02	7	3,941.56	7	4,206.12	7	4,480.63	7	4,753.10	7	5,031.63	7	5,302.60
1/4	2,856.04	1/4	3,128.59	1/4	3,401.15	1/4	3,673.70	1/4	3,946.61	1/4	4,211.17	1/4	4,485.68	1/4	4,758.15	1/4	5,036.67	1/4	5,308.24
1/2	2,861.72	1/2	3,134.27	1/2	3,406.83	1/2	3,679.38	1/2	3,951.70	1/2	4,216.22	1/2	4,490.73	1/2	4,763.20	1/2	5,041.71	1/2	5,313.88
3/4	2,867.40	3/4	3,139.95	3/4	3,412.50	3/4	3,685.06	3/4	3,956.79	3/4	4,221.27	3/4	4,495.78	3/4	4,768.25	3/4	5,046.79	3/4	5,319.52
8	2,873.07	8	3,145.63	8	3,418.18	8	3,690.74	8	3,961.82	8	4,226.32	8	4,500.83	8	4,773.32	8	5,051.83	8	5,325.16
1/4	2,878.75	1/4	3,151.31	1/4	3,423.86	1/4	3,696.41	1/4	3,966.85	1/4	4,231.37	1/4	4,505.88	1/4	4,778.37	1/4	5,056.87	1/4	5,330.80
1/2	2,884.43	1/2	3,156.98	1/2	3,429.54	1/2	3,702.09	1/2	3,971.94	1/2	4,236.42	1/2	4,510.93	1/2	4,783.42	1/2	5,061.91	1/2	5,336.44
3/4	2,890.11	3/4	3,162.66	3/4	3,435.22	3/4	3,707.77	3/4	3,977.03	3/4	4,241.47	3/4	4,515.98	3/4	4,788.47	3/4	5,066.95	3/4	5,342.08
9	2,895.79	9	3,168.34	9	3,440.89	9	3,713.45	9	3,982.08	9	4,246.52	9	4,521.03	9	4,793.52	9	5,072.03	9	5,347.72
1/4	2,901.47	1/4	3,174.02	1/4	3,446.57	1/4	3,719.13	1/4	3,987.13	1/4	4,251.57	1/4	4,526.08	1/4	4,798.57	1/4	5,077.07	1/4	5,353.36
1/2	2,907.14	1/2	3,179.70	1/2	3,452.25	1/2	3,724.80	1/2	3,992.18	1/2	4,256.62	1/2	4,531.13	1/2	4,803.62	1/2	5,082.11	1/2	5,358.90
3/4	2,912.82	3/4	3,185.38	3/4	3,457.93	3/4	3,730.48	3/4	3,997.23	3/4	4,261.67	3/4	4,536.18	3/4	4,808.67	3/4	5,087.15	3/4	5,364.54
10	2,918.50	10	3,191.05	10	3,463.61	10	3,736.16	10	3,811.84	10	4,266.72	10	4,541.23	10	4,813.72	10	5,092.23	10	5,370.18
1/4	2,924.18	1/4	3,196.73	1/4	3,469.29	1/4	3,741.83	1/4	3,816.89	1/4	4,271.77	1/4	4,546.28	1/4	4,818.77	1/4	5,097.27	1/4	5,375.82
1/2	2,929.86	1/2	3,202.41	1/2	3,474.96	1/2	3,747.49	1/2	3,821.94	1/2	4,276.82	1/2	4,551.33	1/2	4,823.82	1/2	5,102.31	1/2	5,381.46
3/4	2,935.53	3/4	3,208.09	3/4	3,480.64	3/4	3,753.16	3/4	3,826.99	3/4	4,281.87	3/4	4,555.82	3/4	4,828.87	3/4	5,107.35	3/4	5,387.10
11	2,941.21	11	3,213.77	11	3,486.32	11	3,758.83	11	3,831.94	11	4,286.91	11	4,560.37	11	4,833.87	11	5,112.43	11	5,392.74
1/4	2,946.89	1/4	3,219.44	1/4	3,492.00	1/4	3,764.47	1/4	3,836.99	1/4	4,291.94	1/4	4,564.41	1/4	4,838.92	1/4	5,117.47	1/4	5,398.38
1/2	2,952.57	1/2	3,225.12	1/2	3,497.68	1/2	3,770.11	1/2	3,842.06	1/2	4,296.98	1/2	4,568.44	1/2	4,843.96	1/2	5,122.51	1/2	5,403.92
3/4	2,958.25	3/4	3,230.80	3/4	3,503.35	3/4	3,775.76	3/4	3,847.11	3/4	4,302.02	3/4	4,572.47	3/4	4,848.99	3/4	5,127.55	3/4	5,409.56

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 Pearland, Texas 77588  
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