

GAL



# BARGE "IB 1909"

ULLAGE 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	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 CENTER	00-1/8	- 00-1/8	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
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 - 00-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 176'-09"

May 30, 2019

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

<http://www.pmacorp.net>



# BARGE "IB 1909"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 1/4"

IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	160,713	153,269	144,921	136,573	128,225	119,877	111,529	103,181	94,833	86,485
1/4	160,691	153,096	144,747	136,399	128,051	119,703	111,355	103,007	94,659	86,311
1/2	160,601	152,921	144,573	136,225	127,877	119,529	111,181	102,833	94,485	86,135
3/4	160,511	152,747	144,399	136,051	127,703	119,355	110,999	102,651	94,307	85,960
1	160,421	152,573	144,225	135,877	127,529	119,181	110,825	102,477	94,133	85,785
1/4	160,331	152,399	144,051	135,703	127,355	118,999	110,649	102,303	93,959	85,610
1/2	160,241	152,225	143,877	135,529	127,181	118,825	110,473	102,129	93,785	85,435
3/4	160,151	152,051	143,703	135,355	127,007	118,649	110,299	101,953	93,610	85,260
2	160,079	151,878	143,529	135,181	126,833	118,473	110,125	101,779	93,435	85,085
1/4	159,995	151,704	143,356	135,007	126,659	118,299	109,949	101,603	93,260	84,910
1/2	159,834	151,530	143,182	134,834	126,485	118,125	109,773	101,429	93,085	84,735
3/4	159,673	151,356	143,008	134,660	126,312	117,949	109,599	101,253	92,910	84,560
3	159,511	151,182	142,834	134,486	126,138	117,773	109,425	101,079	92,735	84,385
1/4	159,350	151,008	142,660	134,312	125,964	117,599	109,249	100,903	92,560	84,210
1/2	159,177	150,834	142,486	134,138	125,790	117,425	109,073	100,729	92,385	84,035
3/4	159,005	150,660	142,312	133,964	125,616	117,249	108,899	100,553	92,210	83,860
4	158,832	150,486	142,138	133,790	125,442	117,073	108,725	100,379	92,035	83,685
1/4	158,659	150,312	141,964	133,616	125,268	116,899	108,549	100,203	91,860	83,510
1/2	158,486	150,138	141,790	133,442	125,095	116,725	108,373	100,029	91,685	83,335
3/4	158,312	149,964	141,616	133,268	124,922	116,549	108,199	99,853	91,510	83,160
5	158,138	149,791	141,442	133,094	124,748	116,373	108,025	99,679	91,335	82,985
1/4	157,965	149,617	141,269	132,920	124,574	115,899	107,849	99,503	91,160	82,810
1/2	157,791	149,443	141,095	132,747	124,401	115,725	107,673	99,329	90,985	82,635
3/4	157,617	149,269	140,921	132,573	124,227	115,549	107,499	99,153	90,810	82,460
6	157,443	149,095	140,747	132,399	124,053	115,373	107,325	98,979	90,635	82,285
1/4	157,269	148,921	140,573	132,225	123,879	115,199	107,149	98,803	90,460	82,110
1/2	157,095	148,747	140,399	132,051	123,705	115,025	106,973	98,629	90,285	81,935
3/4	156,921	148,573	140,225	131,877	123,531	114,849	106,799	98,453	90,110	81,760
7	156,747	148,399	140,051	131,703	123,357	114,673	106,625	98,279	89,935	81,585
1/4	156,573	148,225	139,877	131,529	123,183	114,499	106,449	98,103	89,760	81,410
1/2	156,399	148,051	139,703	131,355	123,009	114,325	106,273	97,929	89,585	81,235
3/4	156,225	147,877	139,529	131,181	122,835	114,149	106,099	97,753	89,410	81,060
8	156,052	147,703	139,355	131,007	122,661	113,973	105,925	97,579	89,235	80,885
1/4	155,878	147,530	139,181	130,833	122,487	113,799	105,749	97,403	89,060	80,710
1/2	155,704	147,356	139,008	130,659	122,313	113,625	105,573	97,229	88,885	80,535
3/4	155,530	147,182	138,834	130,485	122,139	113,449	105,399	97,053	88,710	80,360
9	155,356	147,008	138,660	130,312	121,965	113,273	105,225	96,879	88,535	80,185
1/4	155,182	146,834	138,486	130,138	121,791	113,099	105,049	96,703	88,360	80,010
1/2	155,008	146,660	138,312	129,964	121,617	112,925	104,873	96,529	88,185	79,835
3/4	154,834	146,486	138,138	129,790	121,443	112,749	104,699	96,353	88,010	79,660
10	154,660	146,312	137,964	129,616	121,269	112,573	104,525	96,179	87,835	79,485
1/4	154,486	146,138	137,790	129,442	121,095	112,399	104,349	96,003	87,660	79,310
1/2	154,312	145,964	137,616	129,268	120,921	112,225	104,173	95,829	87,485	79,135
3/4	154,138	145,790	137,442	129,094	120,747	112,049	103,999	95,653	87,310	78,960
11	153,965	145,616	137,268	128,920	120,573	111,873	103,825	95,479	87,135	78,785
1/4	153,791	145,443	137,094	128,746	120,399	111,699	103,649	95,303	86,960	78,610
1/2	153,617	145,269	136,921	128,572	120,225	111,525	103,473	95,129	86,785	78,435
3/4	153,443	145,095	136,747	128,399	120,051	111,349	103,299	94,953	86,610	78,260

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 3'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pasland, Texas 77588  
http://www.pmacorp.net



# BARGE "IB 1909"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 1/4"

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	66,108	53,217	40,335	27,668	14,782	1,905	0	0	0	0
1/4	65,939	52,948	40,072	27,419	14,513	1,641	0	0	0	0
1/2	65,671	52,679	39,808	27,150	14,244	1,417	0	0	0	0
3/4	65,303	52,411	39,545	26,881	13,975	1,193	0	0	0	0
1	65,035	52,142	39,281	26,612	13,706	969	1	1	1	1
1/4	64,767	51,873	39,018	26,343	13,437	745	1/4	1/4	1/4	1/4
1/2	64,498	51,605	38,756	26,075	13,168	610	1/2	1/2	1/2	1/2
3/4	64,230	51,336	38,494	25,806	12,899	475	3/4	3/4	3/4	3/4
2	63,962	51,067	38,233	25,537	12,632	341	2	2	2	2
1/4	63,694	50,799	37,971	25,268	12,362	206	1/4	1/4	1/4	1/4
1/2	63,426	50,530	37,710	24,999	12,093	161	1/2	1/2	1/2	1/2
3/4	63,157	50,261	37,448	24,730	11,824	116	3/4	3/4	3/4	3/4
3	62,889	49,992	37,186	24,461	11,555	71	3	3	3	3
1/4	62,621	49,724	36,925	24,192	11,286	26	1/4	1/4	1/4	1/4
1/2	62,352	49,456	36,663	23,924	11,017	0	1/2	1/2	1/2	1/2
3/4	62,083	49,188	36,401	23,655	10,748	0	3/4	3/4	3/4	3/4
4	61,815	48,918	36,140	23,386	10,479	0	4	4	4	4
1/4	61,546	48,649	35,878	23,117	10,211	0	1/4	1/4	1/4	1/4
1/2	61,277	48,380	35,617	22,848	9,941	0	1/2	1/2	1/2	1/2
3/4	61,009	48,112	35,355	22,579	9,672	0	3/4	3/4	3/4	3/4
5	60,740	47,843	35,093	22,310	9,403	0	5	5	5	5
1/4	60,471	47,574	34,832	22,041	9,134	0	1/4	1/4	1/4	1/4
1/2	60,203	47,306	34,570	21,773	8,865	0	1/2	1/2	1/2	1/2
3/4	59,934	47,037	34,308	21,504	8,596	0	3/4	3/4	3/4	3/4
6	59,665	46,768	34,047	21,235	8,327	0	6	6	6	6
1/4	59,397	46,500	33,785	20,966	8,057	0	1/4	1/4	1/4	1/4
1/2	59,128	46,231	33,524	20,697	7,788	0	1/2	1/2	1/2	1/2
3/4	58,859	45,962	33,262	20,428	7,520	0	3/4	3/4	3/4	3/4
7	58,591	45,693	33,000	20,159	7,251	0	7	7	7	7
1/4	58,322	45,425	32,739	19,890	6,982	0	1/4	1/4	1/4	1/4
1/2	58,053	45,156	32,477	19,621	6,713	0	1/2	1/2	1/2	1/2
3/4	57,784	44,887	32,215	19,353	6,444	0	3/4	3/4	3/4	3/4
8	57,516	44,619	31,954	19,084	6,175	0	8	8	8	8
1/4	57,247	44,350	31,692	18,815	5,906	0	1/4	1/4	1/4	1/4
1/2	56,978	44,081	31,430	18,546	5,638	0	1/2	1/2	1/2	1/2
3/4	56,710	43,813	31,169	18,277	5,369	0	3/4	3/4	3/4	3/4
9	56,441	43,544	30,907	18,008	5,100	0	9	9	9	9
1/4	56,172	43,275	30,646	17,739	4,832	0	1/4	1/4	1/4	1/4
1/2	55,904	43,007	30,377	17,470	4,564	0	1/2	1/2	1/2	1/2
3/4	55,635	42,738	30,108	17,202	4,297	0	3/4	3/4	3/4	3/4
10	55,366	42,469	29,839	16,933	4,029	0	10	10	10	10
1/4	55,098	42,200	29,570	16,664	3,761	0	1/4	1/4	1/4	1/4
1/2	54,829	41,932	29,301	16,395	3,495	0	1/2	1/2	1/2	1/2
3/4	54,560	41,663	29,032	16,126	3,229	0	3/4	3/4	3/4	3/4
11	54,291	41,394	28,763	15,857	2,963	0	11	11	11	11
1/4	54,023	41,126	28,495	15,588	2,696	0	1/4	1/4	1/4	1/4
1/2	53,754	40,857	28,226	15,319	2,432	0	1/2	1/2	1/2	1/2
3/4	53,485	40,589	27,957	15,050	2,169	0	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/29/2019 JS  
CALCULATED: 05/30/2019 CL  
PRINTED: 05/30/2019 CL  
CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2019

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



# BARGE "IB 1909"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	173,826	1/4	173,740	1/4	162,331	1/4	149,921	1/4	137,510	1/4	125,099	1/4	112,688	1/4	100,277	1/4	87,866	1/4	75,455
1/2	173,826	1/2	173,740	1/2	162,331	1/2	149,921	1/2	137,510	1/2	125,099	1/2	112,688	1/2	100,277	1/2	87,866	1/2	75,455
3/4	173,826	3/4	173,740	3/4	162,331	3/4	149,921	3/4	137,510	3/4	125,099	3/4	112,688	3/4	100,277	3/4	87,866	3/4	75,455
1	173,826	1	173,740	1	162,331	1	149,921	1	137,510	1	125,099	1	112,688	1	100,277	1	87,866	1	75,455
1/4	173,223	1/4	173,053	1/4	161,039	1/4	148,628	1/4	136,217	1/4	123,806	1/4	111,395	1/4	98,984	1/4	86,573	1/4	74,162
1/2	173,223	1/2	173,053	1/2	161,039	1/2	148,628	1/2	136,217	1/2	123,806	1/2	111,395	1/2	98,984	1/2	86,573	1/2	74,162
3/4	173,223	3/4	173,053	3/4	161,039	3/4	148,628	3/4	136,217	3/4	123,806	3/4	111,395	3/4	98,984	3/4	86,573	3/4	74,162
1	173,223	1	173,053	1	161,039	1	148,628	1	136,217	1	123,806	1	111,395	1	98,984	1	86,573	1	74,162
1/4	172,878	1/4	172,878	1/4	160,521	1/4	148,111	1/4	135,700	1/4	123,289	1/4	110,878	1/4	98,467	1/4	86,056	1/4	73,645
1/2	172,878	1/2	172,878	1/2	160,521	1/2	148,111	1/2	135,700	1/2	123,289	1/2	110,878	1/2	98,467	1/2	86,056	1/2	73,645
3/4	172,878	3/4	172,878	3/4	160,521	3/4	148,111	3/4	135,700	3/4	123,289	3/4	110,878	3/4	98,467	3/4	86,056	3/4	73,645
1	172,878	1	172,878	1	160,521	1	148,111	1	135,700	1	123,289	1	110,878	1	98,467	1	86,056	1	73,645
1/4	172,632	1/4	172,385	1/4	160,004	1/4	147,593	1/4	134,924	1/4	122,772	1/4	110,361	1/4	97,950	1/4	85,539	1/4	73,128
1/2	172,632	1/2	172,385	1/2	160,004	1/2	147,593	1/2	134,924	1/2	122,772	1/2	110,361	1/2	97,950	1/2	85,539	1/2	73,128
3/4	172,632	3/4	172,385	3/4	160,004	3/4	147,593	3/4	134,924	3/4	122,772	3/4	110,361	3/4	97,950	3/4	85,539	3/4	73,128
1	172,632	1	172,385	1	160,004	1	147,593	1	134,924	1	122,772	1	110,361	1	97,950	1	85,539	1	73,128
1/4	171,378	1/4	171,120	1/4	158,970	1/4	146,559	1/4	134,407	1/4	121,737	1/4	109,585	1/4	97,174	1/4	84,763	1/4	72,352
1/2	171,378	1/2	171,120	1/2	158,970	1/2	146,559	1/2	134,407	1/2	121,737	1/2	109,585	1/2	97,174	1/2	84,763	1/2	72,352
3/4	171,378	3/4	171,120	3/4	158,970	3/4	146,559	3/4	134,407	3/4	121,737	3/4	109,585	3/4	97,174	3/4	84,763	3/4	72,352
1	171,378	1	171,120	1	158,970	1	146,559	1	134,407	1	121,737	1	109,585	1	97,174	1	84,763	1	72,352
1/4	170,863	1/4	170,605	1/4	158,453	1/4	146,042	1/4	133,931	1/4	120,962	1/4	108,551	1/4	96,581	1/4	84,246	1/4	71,835
1/2	170,863	1/2	170,605	1/2	158,453	1/2	146,042	1/2	133,931	1/2	120,962	1/2	108,551	1/2	96,581	1/2	84,246	1/2	71,835
3/4	170,863	3/4	170,605	3/4	158,453	3/4	146,042	3/4	133,931	3/4	120,962	3/4	108,551	3/4	96,581	3/4	84,246	3/4	71,835
1	170,863	1	170,605	1	158,453	1	146,042	1	133,931	1	120,962	1	108,551	1	96,581	1	84,246	1	71,835
1/4	170,346	1/4	170,088	1/4	157,936	1/4	145,525	1/4	133,114	1/4	120,703	1/4	108,292	1/4	96,369	1/4	84,024	1/4	71,614
1/2	170,346	1/2	170,088	1/2	157,936	1/2	145,525	1/2	133,114	1/2	120,703	1/2	108,292	1/2	96,369	1/2	84,024	1/2	71,614
3/4	170,346	3/4	170,088	3/4	157,936	3/4	145,525	3/4	133,114	3/4	120,703	3/4	108,292	3/4	96,369	3/4	84,024	3/4	71,614
1	170,346	1	170,088	1	157,936	1	145,525	1	133,114	1	120,703	1	108,292	1	96,369	1	84,024	1	71,614
1/4	169,830	1/4	169,571	1/4	157,419	1/4	145,008	1/4	132,297	1/4	119,669	1/4	107,775	1/4	95,857	1/4	83,729	1/4	71,404
1/2	169,830	1/2	169,571	1/2	157,419	1/2	145,008	1/2	132,297	1/2	119,669	1/2	107,775	1/2	95,857	1/2	83,729	1/2	71,404
3/4	169,830	3/4	169,571	3/4	157,419	3/4	145,008	3/4	132,297	3/4	119,669	3/4	107,775	3/4	95,857	3/4	83,729	3/4	71,404
1	169,830	1	169,571	1	157,419	1	145,008	1	132,297	1	119,669	1	107,775	1	95,857	1	83,729	1	71,404
1/4	169,313	1/4	169,054	1/4	156,902	1/4	144,491	1/4	132,080	1/4	119,445	1/4	107,558	1/4	95,645	1/4	83,513	1/4	71,194
1/2	169,313	1/2	169,054	1/2	156,902	1/2	144,491	1/2	132,080	1/2	119,445	1/2	107,558	1/2	95,645	1/2	83,513	1/2	71,194
3/4	169,313	3/4	169,054	3/4	156,902	3/4	144,491	3/4	132,080	3/4	119,445	3/4	107,558	3/4	95,645	3/4	83,513	3/4	71,194
1	169,313	1	169,054	1	156,902	1	144,491	1	132,080	1	119,445	1	107,558	1	95,645	1	83,513	1	71,194
1/4	168,795	1/4	168,537	1/4	156,386	1/4	143,974	1/4	131,821	1/4	119,188	1/4	107,300	1/4	95,434	1/4	83,302	1/4	70,984
1/2	168,795	1/2	168,537	1/2	156,386	1/2	143,974	1/2	131,821	1/2	119,188	1/2	107,300	1/2	95,434	1/2	83,302	1/2	70,984
3/4	168,795	3/4	168,537	3/4	156,386	3/4	143,974	3/4	131,821	3/4	119,188	3/4	107,300	3/4	95,434	3/4	83,302	3/4	70,984
1	168,795	1	168,537	1	156,386	1	143,974	1	131,821	1	119,188	1	107,300	1	95,434	1	83,302	1	70,984
1/4	168,278	1/4	168,020	1/4	155,877	1/4	143,457	1/4	131,606	1/4	118,933	1/4	107,087	1/4	95,223	1/4	83,091	1/4	70,774
1/2	168,278	1/2	168,020	1/2	155,877	1/2	143,457	1/2	131,606	1/2	118,933	1/2	107,087	1/2	95,223	1/2	83,091	1/2	70,774
3/4	168,278	3/4	168,020	3/4	155,877	3/4	143,457	3/4	131,606	3/4	118,933	3/4	107,087	3/4	95,223	3/4	83,091	3/4	70,774
1	168,278	1	168,020	1	155,877	1	143,457	1	131,606	1	118,933	1	107,087	1	95,223	1	83,091	1	70,774
1/4	167,761	1/4	167,503	1/4	155,366	1/4	142,939	1/4	130,328	1/4	118,718	1/4	106,870	1/4	95,012	1/4	82,879	1/4	70,564
1/2	167,761	1/2	167,503	1/2	155,366	1/2	142,939	1/2	130,328	1/2	118,718	1/2	106,870	1/2	95,012	1/2	82,879	1/2	70,564
3/4	167,761	3/4	167,503	3/4	155,366	3/4	142,939	3/4	130,328	3/4	118,718	3/4	106,870	3/4	95,012	3/4	82,879	3/4	70,564
1	167,761	1	167,503	1	155,366	1	142,939	1	130,328	1	118,718	1	106,870	1	95,012	1	82,879	1	70,564
1/4	167,244	1/4	166,986	1/4	154,853	1/4	142,422	1/4	130,111	1/4	118,500	1/4	106,652	1/4	94,797	1/4	82,662	1/4	70,354
1/2	167,244	1/2	166,986	1/2	154,853	1/2	142,422	1/2	130,111	1/2	118,500	1/2	106,652	1/2	94,797	1/2	82,662	1/2	70,354
3/4	167,244	3/4	166,986	3/4	154,853	3/4	142,422	3/4	130,111	3/4	118,500	3/4	106,652	3/4	94,797	3/4	82,662	3/4	70,354
1	167,244	1	166,986	1	154,853	1	142,422	1	130,111	1	118,500	1	106,652	1	94,797	1	82,662	1	70,354
1/4	166,727	1/4	166,469	1/4	154,341	1/4	141,905	1/4	129,926	1/4	118,283	1/4	106,434	1/4	94,586	1/4	82,452	1/4	70,144
1/2	166,727	1/2	166,469	1/2	154,341	1/2	141,905	1/2	129,926	1/2	118,283	1/2	106,434	1/2	94,586	1/2	82,452	1/2	70,144



# BARGE "IB 1909"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	63,044	0	50,633	0	38,258	0	26,094	0	13,684	0	1,361	0	0	0	0	0	0	0	0
1/4	62,786	1/4	50,375	1/4	38,006	1/4	25,835	1/4	13,425	1/4	1,146	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,527	1/2	50,116	1/2	37,754	1/2	25,577	1/2	13,166	1/2	931	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,269	3/4	49,858	3/4	37,503	3/4	25,318	3/4	12,908	3/4	716	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	62,010	1	49,599	1	37,251	1	25,060	1	12,649	1	586	1	1	1	1	1	1	1	1
1 1/4	61,751	1 1/4	49,341	1 1/4	37,000	1 1/4	24,801	1 1/4	12,391	1 1/4	457	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 1/2	61,493	1 1/2	49,082	1 1/2	36,748	1 1/2	24,543	1 1/2	12,132	1 1/2	328	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 3/4	61,234	1 3/4	48,823	1 3/4	36,497	1 3/4	24,284	1 3/4	11,874	1 3/4	199	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	60,976	2	48,565	2	36,245	2	24,026	2	11,615	2	156	2	2	2	2	2	2	2	2
2 1/4	60,717	2 1/4	48,306	2 1/4	35,994	2 1/4	23,767	2 1/4	11,357	2 1/4	112	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	60,459	2 1/2	48,048	2 1/2	35,742	2 1/2	23,508	2 1/2	11,098	2 1/2	69	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
2 3/4	60,200	2 3/4	47,789	2 3/4	35,491	2 3/4	23,250	2 3/4	10,839	2 3/4	26	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4
3	59,942	3	47,531	3	35,239	3	22,991	3	10,581	3	3	3	3	3	3	3	3	3	3
3 1/4	59,683	3 1/4	47,272	3 1/4	34,988	3 1/4	22,733	3 1/4	10,322	3 1/4	3	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	59,424	3 1/2	47,014	3 1/2	34,736	3 1/2	22,474	3 1/2	10,064	3 1/2	3	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
3 3/4	59,166	3 3/4	46,755	3 3/4	34,485	3 3/4	22,216	3 3/4	9,805	3 3/4	3	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4
4	58,907	4	46,496	4	34,233	4	21,957	4	9,547	4	4	4	4	4	4	4	4	4	4
4 1/4	58,649	4 1/4	46,238	4 1/4	33,982	4 1/4	21,699	4 1/4	9,288	4 1/4	4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	58,390	4 1/2	45,979	4 1/2	33,730	4 1/2	21,440	4 1/2	9,030	4 1/2	4	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
4 3/4	58,132	4 3/4	45,721	4 3/4	33,479	4 3/4	21,182	4 3/4	8,771	4 3/4	4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4
5	57,873	5	45,462	5	33,228	5	20,923	5	8,513	5	5	5	5	5	5	5	5	5	5
5 1/4	57,614	5 1/4	45,204	5 1/4	32,976	5 1/4	20,664	5 1/4	8,254	5 1/4	5	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	57,356	5 1/2	44,946	5 1/2	32,725	5 1/2	20,406	5 1/2	7,995	5 1/2	5	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
5 3/4	57,097	5 3/4	44,686	5 3/4	32,473	5 3/4	20,147	5 3/4	7,737	5 3/4	5	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4
6	56,839	6	44,428	6	32,222	6	19,889	6	7,478	6	6	6	6	6	6	6	6	6	6
6 1/4	56,580	6 1/4	44,169	6 1/4	31,970	6 1/4	19,630	6 1/4	7,220	6 1/4	6	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	56,322	6 1/2	43,911	6 1/2	31,719	6 1/2	19,372	6 1/2	6,961	6 1/2	6	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2
6 3/4	56,063	6 3/4	43,652	6 3/4	31,467	6 3/4	19,113	6 3/4	6,703	6 3/4	6	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4
7	55,805	7	43,394	7	31,216	7	18,855	7	6,445	7	7	7	7	7	7	7	7	7	7
7 1/4	55,546	7 1/4	43,135	7 1/4	30,964	7 1/4	18,596	7 1/4	6,186	7 1/4	7	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	55,287	7 1/2	42,877	7 1/2	30,713	7 1/2	18,337	7 1/2	5,928	7 1/2	7	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2
7 3/4	55,029	7 3/4	42,618	7 3/4	30,461	7 3/4	18,079	7 3/4	5,670	7 3/4	7	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4
8	54,770	8	42,359	8	30,210	8	17,820	8	5,412	8	8	8	8	8	8	8	8	8	8
8 1/4	54,512	8 1/4	42,101	8 1/4	29,958	8 1/4	17,562	8 1/4	5,154	8 1/4	8	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	54,253	8 1/2	41,842	8 1/2	29,707	8 1/2	17,303	8 1/2	4,897	8 1/2	8	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
8 3/4	53,995	8 3/4	41,584	8 3/4	29,455	8 3/4	17,045	8 3/4	4,639	8 3/4	8	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4
9	53,736	9	41,325	9	29,197	9	16,786	9	4,382	9	9	9	9	9	9	9	9	9	9
9 1/4	53,478	9 1/4	41,067	9 1/4	28,938	9 1/4	16,528	9 1/4	4,125	9 1/4	9	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	53,219	9 1/2	40,808	9 1/2	28,679	9 1/2	16,269	9 1/2	3,868	9 1/2	9	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2
9 3/4	52,960	9 3/4	40,550	9 3/4	28,421	9 3/4	16,010	9 3/4	3,611	9 3/4	9	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4
10	52,702	10	40,291	10	28,162	10	15,752	10	3,356	10	10	10	10	10	10	10	10	10	10
10 1/4	52,443	10 1/4	40,032	10 1/4	27,904	10 1/4	15,493	10 1/4	3,100	10 1/4	10	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	52,185	10 1/2	39,774	10 1/2	27,645	10 1/2	15,235	10 1/2	2,844	10 1/2	10	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2
10 3/4	51,926	10 3/4	39,515	10 3/4	27,387	10 3/4	14,976	10 3/4	2,589	10 3/4	10	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4
11	51,668	11	39,254	11	27,128	11	14,718	11	2,336	11	11	11	11	11	11	11	11	11	11
11 1/4	51,409	11 1/4	39,012	11 1/4	26,870	11 1/4	14,459	11 1/4	2,082	11 1/4	11	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	51,150	11 1/2	38,761	11 1/2	26,611	11 1/2	14,201	11 1/2	1,829	11 1/2	11	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2
11 3/4	50,892	11 3/4	38,509	11 3/4	26,353	11 3/4	13,942	11 3/4	1,576	11 3/4	11	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/29/2019 JS  
 CALCULATED: 05/30/2019 CL  
 PRINTED: 05/30/2019 CL

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



# BARGE "IB 1909"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	172,914	1/4	172,828	1/4	161,497	1/4	148,913	1/4	136,843	1/4	124,516	1/4	112,189	1/4	99,862	1/4	87,535
1/2	172,914	1/2	172,828	1/2	161,497	1/2	148,913	1/2	136,843	1/2	124,516	1/2	112,189	1/2	99,862	1/2	87,535
3/4	172,914	3/4	172,828	3/4	161,497	3/4	148,913	3/4	136,843	3/4	124,516	3/4	112,189	3/4	99,862	3/4	87,535
1	172,914	1	172,828	1	161,497	1	148,913	1	136,843	1	124,516	1	112,189	1	99,862	1	87,535
1/4	172,315	1/4	172,238	1/4	160,906	1/4	148,329	1/4	136,259	1/4	123,788	1/4	111,317	1/4	98,846	1/4	86,375
1/2	172,315	1/2	172,238	1/2	160,906	1/2	148,329	1/2	136,259	1/2	123,788	1/2	111,317	1/2	98,846	1/2	86,375
3/4	172,315	3/4	172,238	3/4	160,906	3/4	148,329	3/4	136,259	3/4	123,788	3/4	111,317	3/4	98,846	3/4	86,375
2	171,727	2	171,650	2	159,442	2	147,058	2	134,674	2	122,290	2	110,006	2	97,622	2	85,148
1/4	171,483	1/4	171,406	1/4	159,186	1/4	146,802	1/4	134,418	1/4	122,026	1/4	109,742	1/4	97,358	1/4	84,882
1/2	171,483	1/2	171,406	1/2	159,186	1/2	146,802	1/2	134,418	1/2	122,026	1/2	109,742	1/2	97,358	1/2	84,882
3/4	171,483	3/4	171,406	3/4	159,186	3/4	146,802	3/4	134,418	3/4	122,026	3/4	109,742	3/4	97,358	3/4	84,882
3	170,738	3	170,661	3	158,445	3	146,061	3	133,677	3	121,434	3	109,107	3	96,780	3	84,483
1/4	170,482	1/4	170,405	1/4	158,188	1/4	145,831	1/4	133,444	1/4	121,177	1/4	108,850	1/4	96,523	1/4	84,184
1/2	170,482	1/2	170,405	1/2	158,188	1/2	145,831	1/2	133,444	1/2	121,177	1/2	108,850	1/2	96,523	1/2	84,184
3/4	170,482	3/4	170,405	3/4	158,188	3/4	145,831	3/4	133,444	3/4	121,177	3/4	108,850	3/4	96,523	3/4	84,184
4	169,714	4	169,637	4	157,331	4	145,061	4	132,677	4	120,407	4	108,080	4	95,753	4	83,476
1/4	169,458	1/4	169,381	1/4	157,074	1/4	144,804	1/4	132,417	1/4	120,150	1/4	107,823	1/4	95,496	1/4	83,177
1/2	169,458	1/2	169,381	1/2	157,074	1/2	144,804	1/2	132,417	1/2	120,150	1/2	107,823	1/2	95,496	1/2	83,177
3/4	169,458	3/4	169,381	3/4	157,074	3/4	144,804	3/4	132,417	3/4	120,150	3/4	107,823	3/4	95,496	3/4	83,177
5	168,688	5	168,611	5	156,361	5	144,034	5	131,707	5	119,380	5	107,053	5	94,726	5	82,399
1/4	168,431	1/4	168,354	1/4	156,104	1/4	143,777	1/4	131,450	1/4	119,123	1/4	106,796	1/4	94,469	1/4	82,142
1/2	168,431	1/2	168,354	1/2	156,104	1/2	143,777	1/2	131,450	1/2	119,123	1/2	106,796	1/2	94,469	1/2	82,142
3/4	168,431	3/4	168,354	3/4	156,104	3/4	143,777	3/4	131,450	3/4	119,123	3/4	106,796	3/4	94,469	3/4	82,142
6	167,660	6	167,583	6	155,330	6	143,006	6	130,959	6	118,532	6	106,025	6	93,998	6	81,371
1/4	167,404	1/4	167,327	1/4	155,073	1/4	142,750	1/4	130,703	1/4	118,275	1/4	105,769	1/4	93,741	1/4	81,115
1/2	167,404	1/2	167,327	1/2	155,073	1/2	142,750	1/2	130,703	1/2	118,275	1/2	105,769	1/2	93,741	1/2	81,115
3/4	167,404	3/4	167,327	3/4	155,073	3/4	142,750	3/4	130,703	3/4	118,275	3/4	105,769	3/4	93,741	3/4	81,115
7	166,633	7	166,556	7	154,306	7	141,979	7	129,652	7	117,325	7	104,998	7	92,671	7	80,344
1/4	166,376	1/4	166,300	1/4	154,049	1/4	141,722	1/4	129,395	1/4	117,068	1/4	104,741	1/4	92,414	1/4	80,087
1/2	166,376	1/2	166,300	1/2	154,049	1/2	141,722	1/2	129,395	1/2	117,068	1/2	104,741	1/2	92,414	1/2	80,087
3/4	166,376	3/4	166,300	3/4	154,049	3/4	141,722	3/4	129,395	3/4	117,068	3/4	104,741	3/4	92,414	3/4	80,087
8	165,860	8	165,783	8	153,279	8	140,952	8	128,825	8	116,298	8	103,971	8	91,644	8	79,317
1/4	165,603	1/4	165,526	1/4	153,022	1/4	140,695	1/4	128,568	1/4	116,041	1/4	103,714	1/4	91,387	1/4	79,060
1/2	165,603	1/2	165,526	1/2	153,022	1/2	140,695	1/2	128,568	1/2	116,041	1/2	103,714	1/2	91,387	1/2	79,060
3/4	165,603	3/4	165,526	3/4	153,022	3/4	140,695	3/4	128,568	3/4	116,041	3/4	103,714	3/4	91,387	3/4	79,060
9	164,579	9	164,502	9	152,252	9	139,925	9	127,598	9	115,271	9	102,944	9	90,617	9	78,290
1/4	164,322	1/4	164,245	1/4	151,995	1/4	139,668	1/4	127,341	1/4	115,014	1/4	102,687	1/4	90,360	1/4	78,033
1/2	164,322	1/2	164,245	1/2	151,995	1/2	139,668	1/2	127,341	1/2	115,014	1/2	102,687	1/2	90,360	1/2	78,033
3/4	164,322	3/4	164,245	3/4	151,995	3/4	139,668	3/4	127,341	3/4	115,014	3/4	102,687	3/4	90,360	3/4	78,033
10	163,551	10	163,474	10	151,224	10	138,897	10	126,570	10	114,243	10	101,916	10	89,589	10	77,282
1/4	163,295	1/4	163,218	1/4	150,968	1/4	138,641	1/4	126,313	1/4	113,986	1/4	101,660	1/4	89,332	1/4	77,025
1/2	163,295	1/2	163,218	1/2	150,968	1/2	138,641	1/2	126,313	1/2	113,986	1/2	101,660	1/2	89,332	1/2	77,025
3/4	163,295	3/4	163,218	3/4	150,968	3/4	138,641	3/4	126,313	3/4	113,986	3/4	101,660	3/4	89,332	3/4	77,025
11	162,267	11	162,190	11	149,940	11	137,613	11	125,286	11	112,959	11	100,632	11	88,305	11	75,772
1/4	162,011	1/4	161,934	1/4	149,684	1/4	137,357	1/4	125,030	1/4	112,703	1/4	100,376	1/4	88,049	1/4	75,515
1/2	162,011	1/2	161,934	1/2	149,684	1/2	137,357	1/2	125,030	1/2	112,703	1/2	100,376	1/2	88,049	1/2	75,515
3/4	162,011	3/4	161,934	3/4	149,684	3/4	137,357	3/4	125,030	3/4	112,703	3/4	100,376	3/4	88,049	3/4	75,515
12	161,754	12	161,677	12	149,427	12	137,100	12	124,773	12	112,446	12	100,119	12	87,792	12	75,258
1/4	161,497	1/4	161,420	1/4	149,170	1/4	136,843	1/4	124,516	1/4	112,189	1/4	99,862	1/4	87,535	1/4	75,001
1/2	161,497	1/2	161,420	1/2	149,170	1/2	136,843	1/2	124,516	1/2	112,189	1/2	99,862	1/2	87,535	1/2	75,001
3/4	161,497	3/4	161,420	3/4	149,170	3/4	136,843	3/4	124,516	3/4	112,189	3/4	99,862	3/4	87,535	3/4	75,001

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 ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE  
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT

& ANALYSIS, INC.

P. O. Box 2092

Pearland, Texas 77586

http://www.pmaacorp.net



# BARGE "IB 1909"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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	62,881	0	50,554	0	38,229	0	25,918	0	13,591	0	1,352	0	0	0	0	0	0	0	0
1/4	62,624	1/4	50,297	1/4	37,973	1/4	25,661	1/4	13,334	1/4	1,138	1/4	113	1/4	11	1/4	1	1/4	1
1/2	62,367	1/2	50,040	1/2	37,716	1/2	25,404	1/2	13,078	1/2	925	1/2	711	1/2	59	1/2	26	1/2	2
3/4	62,111	3/4	49,784	3/4	37,460	3/4	25,147	3/4	12,821	3/4	711	3/4	583	3/4	1	3/4	1	3/4	1
1	61,854	1	49,527	1	37,203	1	24,891	1	12,564	1	583	1	1	1	1	1	1	1	1
1/4	61,597	1/4	49,270	1/4	36,947	1/4	24,634	1/4	12,307	1/4	454	1/4	326	1/4	197	1/4	112	1/4	2
1/2	61,340	1/2	49,013	1/2	36,691	1/2	24,377	1/2	12,050	1/2	326	1/2	197	1/2	112	1/2	112	1/2	2
3/4	61,083	3/4	48,756	3/4	36,434	3/4	24,120	3/4	11,794	3/4	197	3/4	112	3/4	112	3/4	112	3/4	2
2	60,826	2	48,499	2	36,178	2	23,863	2	11,537	2	155	2	112	2	112	2	112	2	2
1/4	60,570	1/4	48,243	1/4	35,922	1/4	23,607	1/4	11,280	1/4	112	1/4	112	1/4	112	1/4	112	1/4	2
1/2	60,313	1/2	47,986	1/2	35,665	1/2	23,350	1/2	11,023	1/2	99	1/2	112	1/2	112	1/2	112	1/2	2
3/4	60,056	3/4	47,729	3/4	35,409	3/4	23,093	3/4	10,766	3/4	26	3/4	112	3/4	112	3/4	112	3/4	2
3	59,799	3	47,472	3	35,152	3	22,836	3	10,510	3	3	3	112	3	112	3	112	3	2
1/4	59,542	1/4	47,215	1/4	34,896	1/4	22,579	1/4	10,253	1/4	3	1/4	112	1/4	112	1/4	112	1/4	2
1/2	59,286	1/2	46,959	1/2	34,640	1/2	22,322	1/2	9,996	1/2	3	1/2	112	1/2	112	1/2	112	1/2	2
3/4	59,029	3/4	46,702	3/4	34,383	3/4	22,066	3/4	9,739	3/4	3	3/4	112	3/4	112	3/4	112	3/4	2
4	58,772	4	46,445	4	34,127	4	21,809	4	9,482	4	4	4	112	4	112	4	112	4	2
1/4	58,515	1/4	46,188	1/4	33,871	1/4	21,552	1/4	9,226	1/4	4	1/4	112	1/4	112	1/4	112	1/4	2
1/2	58,258	1/2	45,931	1/2	33,614	1/2	21,295	1/2	8,969	1/2	4	1/2	112	1/2	112	1/2	112	1/2	2
3/4	58,002	3/4	45,675	3/4	33,358	3/4	21,038	3/4	8,712	3/4	4	3/4	112	3/4	112	3/4	112	3/4	2
5	57,745	5	45,418	5	33,102	5	20,782	5	8,455	5	5	5	112	5	112	5	112	5	2
1/4	57,488	1/4	45,161	1/4	32,845	1/4	20,525	1/4	8,198	1/4	5	1/4	112	1/4	112	1/4	112	1/4	2
1/2	57,231	1/2	44,904	1/2	32,589	1/2	20,268	1/2	7,942	1/2	5	1/2	112	1/2	112	1/2	112	1/2	2
3/4	56,974	3/4	44,647	3/4	32,332	3/4	20,011	3/4	7,685	3/4	5	3/4	112	3/4	112	3/4	112	3/4	2
6	56,717	6	44,390	6	32,076	6	19,754	6	7,428	6	6	6	112	6	112	6	112	6	2
1/4	56,461	1/4	44,134	1/4	31,820	1/4	19,498	1/4	7,171	1/4	6	1/4	112	1/4	112	1/4	112	1/4	2
1/2	56,204	1/2	43,877	1/2	31,563	1/2	19,241	1/2	6,915	1/2	6	1/2	112	1/2	112	1/2	112	1/2	2
3/4	55,947	3/4	43,620	3/4	31,307	3/4	18,984	3/4	6,658	3/4	6	3/4	112	3/4	112	3/4	112	3/4	2
7	55,690	7	43,363	7	31,051	7	18,727	7	6,401	7	7	7	112	7	112	7	112	7	2
1/4	55,433	1/4	43,106	1/4	30,794	1/4	18,470	1/4	6,145	1/4	7	1/4	112	1/4	112	1/4	112	1/4	2
1/2	55,177	1/2	42,850	1/2	30,538	1/2	18,214	1/2	5,888	1/2	7	1/2	112	1/2	112	1/2	112	1/2	2
3/4	54,920	3/4	42,593	3/4	30,282	3/4	17,957	3/4	5,632	3/4	7	3/4	112	3/4	112	3/4	112	3/4	2
8	54,663	8	42,336	8	30,025	8	17,700	8	5,376	8	8	8	112	8	112	8	112	8	2
1/4	54,406	1/4	42,079	1/4	29,769	1/4	17,443	1/4	5,120	1/4	8	1/4	112	1/4	112	1/4	112	1/4	2
1/2	54,149	1/2	41,822	1/2	29,513	1/2	17,186	1/2	4,864	1/2	8	1/2	112	1/2	112	1/2	112	1/2	2
3/4	53,893	3/4	41,566	3/4	29,256	3/4	16,930	3/4	4,608	3/4	8	3/4	112	3/4	112	3/4	112	3/4	2
9	53,636	9	41,309	9	28,999	9	16,673	9	4,352	9	9	9	112	9	112	9	112	9	2
1/4	53,379	1/4	41,052	1/4	28,743	1/4	16,416	1/4	4,097	1/4	9	1/4	112	1/4	112	1/4	112	1/4	2
1/2	53,122	1/2	40,795	1/2	28,486	1/2	16,159	1/2	3,842	1/2	9	1/2	112	1/2	112	1/2	112	1/2	2
3/4	52,865	3/4	40,538	3/4	28,229	3/4	15,902	3/4	3,587	3/4	9	3/4	112	3/4	112	3/4	112	3/4	2
10	52,608	10	40,281	10	27,972	10	15,646	10	3,331	10	10	10	112	10	112	10	112	10	2
1/4	52,352	1/4	40,025	1/4	27,715	1/4	15,389	1/4	3,075	1/4	10	1/4	112	1/4	112	1/4	112	1/4	2
1/2	52,095	1/2	39,768	1/2	27,459	1/2	15,132	1/2	2,820	1/2	10	1/2	112	1/2	112	1/2	112	1/2	2
3/4	51,838	3/4	39,511	3/4	27,202	3/4	14,875	3/4	2,564	3/4	10	3/4	112	3/4	112	3/4	112	3/4	2
11	51,581	11	39,255	11	26,945	11	14,618	11	2,308	11	11	11	112	11	112	11	112	11	2
1/4	51,324	1/4	38,998	1/4	26,688	1/4	14,362	1/4	2,052	1/4	11	1/4	112	1/4	112	1/4	112	1/4	2
1/2	51,068	1/2	38,742	1/2	26,431	1/2	14,105	1/2	1,796	1/2	11	1/2	112	1/2	112	1/2	112	1/2	2
3/4	50,811	3/4	38,485	3/4	26,175	3/4	13,848	3/4	1,540	3/4	11	3/4	112	3/4	112	3/4	112	3/4	2

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

*Tom Stearns*