



# BARGE "IB 1904"

## 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	00-0/8	- 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 4, 2019

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

<http://www.pmmacorp.net>





# BARGE "IB 1904"

1 CENTER  
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	66,031	0	53,102	0	40,188	0	27,489	0	14,555	0	1,646	0	0	0	0	0	0	0	0
1/4	65,762	1/4	52,833	1/4	39,924	1/4	27,229	1/4	14,285	1/4	1,421	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,493	1/2	52,563	1/2	39,650	1/2	26,959	1/2	14,015	1/2	1,196	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,224	3/4	52,294	3/4	39,396	3/4	26,690	3/4	13,746	3/4	971	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	64,955	1	52,024	1	39,131	1	26,420	1	13,476	1	747	1	1	1	1	1	1	1	1
1/4	64,686	1/4	51,755	1/4	38,869	1/4	26,150	1/4	13,206	1/4	612	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,417	1/2	51,485	1/2	38,607	1/2	25,881	1/2	12,937	1/2	477	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,148	3/4	51,216	3/4	38,344	3/4	25,611	3/4	12,667	3/4	341	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	63,879	2	50,946	2	38,082	2	25,341	2	12,397	2	206	2	2	2	2	2	2	2	2
1/4	63,610	1/4	50,677	1/4	37,819	1/4	25,072	1/4	12,128	1/4	161	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,341	1/2	50,407	1/2	37,557	1/2	24,802	1/2	11,858	1/2	116	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,072	3/4	50,138	3/4	37,295	3/4	24,532	3/4	11,588	3/4	71	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	62,803	3	49,869	3	37,032	3	24,263	3	11,319	3	26	3	3	3	3	3	3	3	3
1/4	62,534	1/4	49,599	1/4	36,770	1/4	23,993	1/4	11,049	1/4	28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,264	1/2	49,330	1/2	36,507	1/2	23,723	1/2	10,779	1/2	28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,995	3/4	49,060	3/4	36,245	3/4	23,454	3/4	10,510	3/4	28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	61,725	4	48,791	4	35,983	4	23,184	4	10,240	4	28	4	4	4	4	4	4	4	4
1/4	61,456	1/4	48,521	1/4	35,720	1/4	22,914	1/4	9,970	1/4	28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,186	1/2	48,252	1/2	35,458	1/2	22,645	1/2	9,700	1/2	28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,917	3/4	47,982	3/4	35,195	3/4	22,375	3/4	9,430	3/4	28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	60,647	5	47,713	5	34,933	5	22,105	5	9,160	5	28	5	5	5	5	5	5	5	5
1/4	60,378	1/4	47,443	1/4	34,671	1/4	21,836	1/4	8,891	1/4	28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,109	1/2	47,174	1/2	34,408	1/2	21,566	1/2	8,621	1/2	28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,839	3/4	46,904	3/4	34,146	3/4	21,296	3/4	8,351	3/4	28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	59,570	6	46,635	6	33,883	6	21,027	6	8,081	6	28	6	6	6	6	6	6	6	6
1/4	59,300	1/4	46,365	1/4	33,621	1/4	20,757	1/4	7,811	1/4	28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,031	1/2	46,096	1/2	33,359	1/2	20,487	1/2	7,541	1/2	28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,761	3/4	45,826	3/4	33,096	3/4	20,218	3/4	7,272	3/4	28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	58,492	7	45,557	7	32,834	7	19,948	7	7,002	7	28	7	7	7	7	7	7	7	7
1/4	58,222	1/4	45,288	1/4	32,571	1/4	19,678	1/4	6,732	1/4	28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,953	1/2	45,018	1/2	32,309	1/2	19,409	1/2	6,463	1/2	28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,683	3/4	44,749	3/4	32,047	3/4	19,139	3/4	6,193	3/4	28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	57,414	8	44,479	8	31,784	8	18,869	8	5,923	8	28	8	8	8	8	8	8	8	8
1/4	57,144	1/4	44,210	1/4	31,522	1/4	18,600	1/4	5,654	1/4	28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,875	1/2	43,940	1/2	31,260	1/2	18,330	1/2	5,384	1/2	28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,605	3/4	43,671	3/4	30,997	3/4	18,060	3/4	5,115	3/4	28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	56,336	9	43,401	9	30,735	9	17,791	9	4,846	9	28	9	9	9	9	9	9	9	9
1/4	56,066	1/4	43,132	1/4	30,465	1/4	17,521	1/4	4,577	1/4	28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,797	1/2	42,862	1/2	30,195	1/2	17,251	1/2	4,309	1/2	28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,527	3/4	42,593	3/4	29,926	3/4	16,982	3/4	4,040	3/4	28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	55,258	10	42,323	10	29,656	10	16,712	10	3,772	10	28	10	10	10	10	10	10	10	10
1/4	54,989	1/4	42,054	1/4	29,386	1/4	16,442	1/4	3,505	1/4	28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,719	1/2	41,784	1/2	29,117	1/2	16,173	1/2	3,238	1/2	28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,450	3/4	41,515	3/4	28,847	3/4	15,903	3/4	2,971	3/4	28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	54,180	11	41,245	11	28,577	11	15,633	11	2,704	11	28	11	11	11	11	11	11	11	11
1/4	53,911	1/4	40,981	1/4	28,308	1/4	15,364	1/4	2,439	1/4	28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,641	1/2	40,717	1/2	28,038	1/2	15,094	1/2	2,175	1/2	28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,372	3/4	40,453	3/4	27,768	3/4	14,824	3/4	1,910	3/4	28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

RESTRAPPED: 05/03/2019 JS  
 RECALCULATED: 05/04/2019 CL  
 REPRINTED: 05/05/2019 SW

PRECISION MEASUREMENT  
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CANCELS AND SUPERCEDES  
 ALL PRIOR TO 05/2019



# BARGE "IB 1904"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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	174,412	0	162,700	0	150,241	0	137,782	0	125,323	0	112,864	0	100,405	0	87,946	0	75,487	0	63,028				
1/4	174,325	1/4	162,613	1/4	149,981	1/4	137,522	1/4	125,064	1/4	112,777	1/4	100,318	1/4	87,860	1/4	75,401	1/4	62,942				
1/2	174,239	1/2	162,526	1/2	149,894	1/2	137,435	1/2	124,977	1/2	112,689	1/2	100,231	1/2	87,773	1/2	75,314	1/2	62,855				
3/4	174,066	3/4	161,921	3/4	149,462	3/4	137,003	3/4	124,503	3/4	112,215	3/4	100,044	3/4	87,305	3/4	74,709	3/4	62,768				
1	173,893	1	161,661	1	149,203	1	136,744	1	124,245	1	111,956	1	99,387	1	86,808	1	74,449	1	62,500				
1 1/4	173,720	1 1/4	161,402	1 1/4	148,943	1 1/4	136,484	1 1/4	124,025	1 1/4	111,697	1 1/4	99,128	1 1/4	86,549	1 1/4	74,190	1 1/4	62,232				
1 1/2	173,547	1 1/2	161,142	1 1/2	148,683	1 1/2	136,224	1 1/2	123,766	1 1/2	111,438	1 1/2	98,869	1 1/2	86,290	1 1/2	73,931	1 1/2	61,964				
1 3/4	173,374	1 3/4	160,883	1 3/4	148,424	1 3/4	135,965	1 3/4	123,506	1 3/4	111,179	1 3/4	98,610	1 3/4	86,031	1 3/4	73,672	1 3/4	61,696				
2	173,201	2	160,623	2	148,164	2	135,705	2	123,246	2	110,920	2	98,351	2	85,772	2	73,413	2	61,437				
2 1/4	173,028	2 1/4	160,364	2 1/4	147,905	2 1/4	135,446	2 1/4	122,987	2 1/4	110,661	2 1/4	98,092	2 1/4	85,513	2 1/4	73,154	2 1/4	61,178				
2 1/2	172,855	2 1/2	160,104	2 1/2	147,645	2 1/2	135,186	2 1/2	122,727	2 1/2	110,402	2 1/2	97,833	2 1/2	85,254	2 1/2	72,895	2 1/2	60,919				
2 3/4	172,682	2 3/4	159,844	2 3/4	147,386	2 3/4	134,927	2 3/4	122,468	2 3/4	110,143	2 3/4	97,574	2 3/4	85,000	2 3/4	72,636	2 3/4	60,660				
3	172,509	3	159,585	3	147,126	3	134,667	3	122,208	3	109,884	3	97,315	3	84,741	3	72,377	3	60,401				
3 1/4	172,336	3 1/4	159,325	3 1/4	146,866	3 1/4	134,408	3 1/4	121,949	3 1/4	109,625	3 1/4	97,056	3 1/4	84,482	3 1/4	72,118	3 1/4	60,142				
3 1/2	172,163	3 1/2	159,066	3 1/2	146,607	3 1/2	134,148	3 1/2	121,689	3 1/2	109,366	3 1/2	96,797	3 1/2	84,223	3 1/2	71,859	3 1/2	59,883				
3 3/4	171,990	3 3/4	158,806	3 3/4	146,347	3 3/4	133,888	3 3/4	121,430	3 3/4	109,107	3 3/4	96,538	3 3/4	83,964	3 3/4	71,600	3 3/4	59,624				
4	171,817	4	158,547	4	146,088	4	133,629	4	121,170	4	108,848	4	96,279	4	83,705	4	71,341	4	59,365				
4 1/4	171,644	4 1/4	158,287	4 1/4	145,828	4 1/4	133,369	4 1/4	120,910	4 1/4	108,589	4 1/4	96,020	4 1/4	83,446	4 1/4	71,082	4 1/4	59,106				
4 1/2	171,471	4 1/2	158,028	4 1/2	145,569	4 1/2	133,110	4 1/2	120,651	4 1/2	108,330	4 1/2	95,761	4 1/2	83,187	4 1/2	70,823	4 1/2	58,847				
4 3/4	171,298	4 3/4	157,768	4 3/4	145,309	4 3/4	132,850	4 3/4	120,391	4 3/4	108,071	4 3/4	95,502	4 3/4	82,928	4 3/4	70,564	4 3/4	58,588				
5	169,967	5	157,508	5	145,050	5	132,591	5	120,132	5	107,812	5	95,243	5	82,669	5	70,305	5	58,329				
5 1/4	169,794	5 1/4	157,249	5 1/4	144,790	5 1/4	132,331	5 1/4	119,872	5 1/4	107,553	5 1/4	94,984	5 1/4	82,410	5 1/4	70,046	5 1/4	58,070				
5 1/2	169,621	5 1/2	157,000	5 1/2	144,530	5 1/2	132,071	5 1/2	119,613	5 1/2	107,294	5 1/2	94,725	5 1/2	82,151	5 1/2	69,787	5 1/2	57,811				
5 3/4	169,448	5 3/4	156,780	5 3/4	144,271	5 3/4	131,812	5 3/4	119,353	5 3/4	107,035	5 3/4	94,466	5 3/4	81,892	5 3/4	69,528	5 3/4	57,552				
6	168,929	6	156,470	6	144,011	6	131,552	6	119,093	6	106,776	6	94,207	6	81,633	6	69,269	6	57,293				
6 1/4	168,670	6 1/4	156,211	6 1/4	143,752	6 1/4	131,293	6 1/4	118,834	6 1/4	106,517	6 1/4	93,948	6 1/4	81,374	6 1/4	69,010	6 1/4	57,034				
6 1/2	168,410	6 1/2	155,951	6 1/2	143,492	6 1/2	131,033	6 1/2	118,574	6 1/2	106,258	6 1/2	93,689	6 1/2	81,115	6 1/2	68,751	6 1/2	56,775				
6 3/4	168,150	6 3/4	155,692	6 3/4	143,233	6 3/4	130,774	6 3/4	118,315	6 3/4	106,000	6 3/4	93,430	6 3/4	80,856	6 3/4	68,492	6 3/4	56,516				
7	167,891	7	155,432	7	142,973	7	130,514	7	118,055	7	105,741	7	93,171	7	80,597	7	68,233	7	56,257				
7 1/4	167,631	7 1/4	155,172	7 1/4	142,713	7 1/4	130,255	7 1/4	117,796	7 1/4	105,482	7 1/4	92,912	7 1/4	80,338	7 1/4	67,974	7 1/4	56,000				
7 1/2	167,372	7 1/2	154,913	7 1/2	142,454	7 1/2	129,995	7 1/2	117,536	7 1/2	105,223	7 1/2	92,653	7 1/2	80,079	7 1/2	67,715	7 1/2	55,741				
7 3/4	167,112	7 3/4	154,653	7 3/4	142,194	7 3/4	129,735	7 3/4	117,277	7 3/4	104,964	7 3/4	92,394	7 3/4	79,820	7 3/4	67,456	7 3/4	55,482				
8	166,853	8	154,394	8	141,935	8	129,476	8	117,017	8	104,705	8	92,135	8	79,561	8	67,197	8	55,223				
8 1/4	166,593	8 1/4	154,134	8 1/4	141,675	8 1/4	129,216	8 1/4	116,757	8 1/4	104,446	8 1/4	91,876	8 1/4	79,302	8 1/4	66,938	8 1/4	54,964				
8 1/2	166,334	8 1/2	153,875	8 1/2	141,416	8 1/2	128,957	8 1/2	116,498	8 1/2	104,187	8 1/2	91,617	8 1/2	79,043	8 1/2	66,679	8 1/2	54,705				
8 3/4	166,074	8 3/4	153,615	8 3/4	141,156	8 3/4	128,697	8 3/4	116,238	8 3/4	103,928	8 3/4	91,358	8 3/4	78,784	8 3/4	66,420	8 3/4	54,446				
9	165,814	9	153,355	9	140,897	9	128,438	9	115,979	9	103,669	9	91,099	9	78,525	9	66,161	9	54,187				
9 1/4	165,555	9 1/4	153,096	9 1/4	140,637	9 1/4	128,178	9 1/4	115,719	9 1/4	103,410	9 1/4	90,840	9 1/4	78,266	9 1/4	65,902	9 1/4	53,928				
9 1/2	165,295	9 1/2	152,836	9 1/2	140,377	9 1/2	127,919	9 1/2	115,460	9 1/2	103,151	9 1/2	90,581	9 1/2	78,007	9 1/2	65,643	9 1/2	53,669				
9 3/4	165,036	9 3/4	152,577	9 3/4	140,118	9 3/4	127,659	9 3/4	115,200	9 3/4	102,892	9 3/4	90,322	9 3/4	77,748	9 3/4	65,384	9 3/4	53,410				
10	164,776	10	152,317	10	139,858	10	127,399	10	114,940	10	102,633	10	90,063	10	77,489	10	65,125	10	53,151				
10 1/4	164,517	10 1/4	152,058	10 1/4	139,599	10 1/4	127,140	10 1/4	114,681	10 1/4	102,374	10 1/4	89,804	10 1/4	77,230	10 1/4	64,866	10 1/4	52,892				
10 1/2	164,257	10 1/2	151,798	10 1/2	139,339	10 1/2	126,880	10 1/2	114,422	10 1/2	102,115	10 1/2	89,545	10 1/2	76,971	10 1/2	64,607	10 1/2	52,633				
10 3/4	164,000	10 3/4	151,539	10 3/4	139,080	10 3/4	126,620	10 3/4	114,163	10 3/4	101,856	10 3/4	89,286	10 3/4	76,712	10 3/4	64,348	10 3/4	52,374				
11	163,748	11	151,279	11	138,820	11	126,361	11	113,902	11	101,597	11	89,027	11	76,453	11	64,089	11	52,115				
11 1/4	163,488	11 1/4	151,019	11 1/4	138,561	11 1/4	126,102	11 1/4	113,643	11 1/4	101,338	11 1/4	88,768	11 1/4	76,194	11 1/4	63,830	11 1/4	51,856				
11 1/2	163,228	11 1/2	150,760	11 1/2	138,301	11 1/2	125,842	11 1/2	113,383	11 1/2	101,079	11 1/2	88,509	11 1/2	75,935	11 1/2	63,571	11 1/2	51,597				
11 3/4	162,968	11 3/4	150,500	11 3/4	138,041	11 3/4	125,582	11 3/4	113,124	11 3/4	100,819	11 3/4	88,250	11 3/4	75,676	11 3/4	63,312	11 3/4	51,338				

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 31'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT & ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588  
 http://www.pmaacorp.net



# BARGE "IB 1904"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN	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
0	63,028	0	50,569	0	38,153	0	25,935	0	13,477	0	1,150	0								
1/4	62,769	1/4	50,310	1/4	37,900	1/4	25,676	1/4	13,217	1/4	934	1/4								
1/2	62,509	1/2	50,050	1/2	37,648	1/2	25,416	1/2	12,958	1/2	718	1/2								
3/4	62,250	3/4	49,791	3/4	37,395	3/4	25,156	3/4	12,698	3/4	588	3/4								
1	61,990	1	49,531	1	37,143	1	24,897	1	12,438	1	459	1								
1/4	61,731	1/4	49,272	1/4	36,890	1/4	24,637	1/4	12,179	1/4	329	1/4								
1/2	61,471	1/2	49,012	1/2	36,638	1/2	24,378	1/2	11,919	1/2	199	1/2								
3/4	61,211	3/4	48,753	3/4	36,385	3/4	24,118	3/4	11,660	3/4	156	3/4								
2	60,952	2	48,493	2	36,133	2	23,859	2	11,400	2	113	2								
1/4	60,692	1/4	48,233	1/4	35,880	1/4	23,599	1/4	11,141	1/4	69	1/4								
1/2	60,433	1/2	47,974	1/2	35,628	1/2	23,340	1/2	10,881	1/2	26	1/2								
3/4	60,173	3/4	47,714	3/4	35,376	3/4	23,080	3/4	10,622	3/4		3/4								
3	59,914	3	47,455	3	35,123	3	22,821	3	10,362	3										
1/4	59,654	1/4	47,195	1/4	34,871	1/4	22,561	1/4	10,102	1/4										
1/2	59,395	1/2	46,936	1/2	34,618	1/2	22,301	1/2	9,843	1/2										
3/4	59,135	3/4	46,676	3/4	34,366	3/4	22,042	3/4	9,583	3/4										
4	58,875	4	46,416	4	34,113	4	21,782	4	9,324	4										
1/4	58,616	1/4	46,157	1/4	33,861	1/4	21,523	1/4	9,064	1/4										
1/2	58,356	1/2	45,897	1/2	33,608	1/2	21,263	1/2	8,805	1/2										
3/4	58,097	3/4	45,638	3/4	33,356	3/4	21,004	3/4	8,545	3/4										
5	57,837	5	45,378	5	33,103	5	20,744	5	8,286	5										
1/4	57,578	1/4	45,119	1/4	32,851	1/4	20,485	1/4	8,026	1/4										
1/2	57,318	1/2	44,859	1/2	32,598	1/2	20,225	1/2	7,767	1/2										
3/4	57,058	3/4	44,600	3/4	32,346	3/4	19,965	3/4	7,507	3/4										
6	56,799	6	44,340	6	32,093	6	19,706	6	7,248	6										
1/4	56,539	1/4	44,080	1/4	31,841	1/4	19,446	1/4	6,988	1/4										
1/2	56,280	1/2	43,821	1/2	31,589	1/2	19,187	1/2	6,729	1/2										
3/4	56,020	3/4	43,561	3/4	31,336	3/4	18,927	3/4	6,469	3/4										
7	55,761	7	43,302	7	31,084	7	18,668	7	6,210	7										
1/4	55,501	1/4	43,042	1/4	30,831	1/4	18,408	1/4	5,951	1/4										
1/2	55,242	1/2	42,783	1/2	30,579	1/2	18,149	1/2	5,691	1/2										
3/4	54,982	3/4	42,523	3/4	30,326	3/4	17,889	3/4	5,433	3/4										
8	54,722	8	42,263	8	30,074	8	17,629	8	5,174	8										
1/4	54,463	1/4	42,004	1/4	29,821	1/4	17,370	1/4	4,915	1/4										
1/2	54,203	1/2	41,744	1/2	29,569	1/2	17,110	1/2	4,656	1/2										
3/4	53,944	3/4	41,485	3/4	29,309	3/4	16,851	3/4	4,399	3/4										
9	53,684	9	41,225	9	29,050	9	16,591	9	4,141	9										
1/4	53,425	1/4	40,966	1/4	28,790	1/4	16,332	1/4	3,883	1/4										
1/2	53,165	1/2	40,706	1/2	28,531	1/2	16,072	1/2	3,625	1/2										
3/4	52,905	3/4	40,447	3/4	28,271	3/4	15,813	3/4	3,368	3/4										
10	52,646	10	40,187	10	28,012	10	15,553	10	3,112	10										
1/4	52,386	1/4	39,927	1/4	27,752	1/4	15,294	1/4	2,855	1/4										
1/2	52,127	1/2	39,668	1/2	27,492	1/2	15,034	1/2	2,599	1/2										
3/4	51,867	3/4	39,415	3/4	27,233	3/4	14,774	3/4	2,344	3/4										
11	51,608	11	39,163	11	26,973	11	14,515	11	2,090	11										
1/4	51,348	1/4	38,910	1/4	26,714	1/4	14,255	1/4	1,836	1/4										
1/2	51,089	1/2	38,658	1/2	26,454	1/2	13,996	1/2	1,582	1/2										
3/4	50,829	3/4	38,405	3/4	26,195	3/4	13,736	3/4	1,366	3/4										

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

RESTRAINED: 05/03/2019 JS  
 RECALCULATED: 05/04/2019 CL  
 REPRINTED: 05/05/2019 SW  
 CANCEL S AND SUPERCEDES  
 ALL PRIOR TO 05/2019

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Portland, Texas 77568  
 http://www.pma.com.net



# BARGE "IB 1904"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	172,636	172,636	160,964	160,964	148,338	148,338	136,056	136,056	123,917	123,917	111,465	111,465	99,336	99,336	87,011	87,011	74,685	74,685
1/2	1/2	172,465	172,465	160,450	160,450	148,125	148,125	135,799	135,799	123,474	123,474	111,148	111,148	98,823	98,823	86,497	86,497	74,172	74,172
3/4	3/4	172,293	172,293	160,193	160,193	147,868	147,868	135,542	135,542	123,217	123,217	110,891	110,891	98,566	98,566	86,241	86,241	73,915	73,915
1	1	172,122	172,122	159,937	159,937	147,611	147,611	135,286	135,286	122,960	122,960	110,635	110,635	98,309	98,309	85,984	85,984	73,658	73,658
1/4	1/4	171,951	171,951	159,680	159,680	147,354	147,354	135,029	135,029	122,703	122,703	110,378	110,378	98,052	98,052	85,727	85,727	73,402	73,402
1/2	1/2	171,706	171,706	159,423	159,423	147,098	147,098	134,515	134,515	122,447	122,447	110,121	110,121	97,796	97,796	85,470	85,470	73,145	73,145
3/4	3/4	171,462	171,462	159,166	159,166	146,841	146,841	134,258	134,258	122,180	122,180	109,864	109,864	97,539	97,539	85,213	85,213	72,888	72,888
2	2	171,217	171,217	158,909	158,909	146,584	146,584	134,002	134,002	121,933	121,933	109,608	109,608	97,282	97,282	84,957	84,957	72,631	72,631
1/4	1/4	170,972	170,972	158,653	158,653	146,327	146,327	133,745	133,745	121,676	121,676	109,351	109,351	97,025	97,025	84,700	84,700	72,374	72,374
1/2	1/2	170,717	170,717	158,396	158,396	146,070	146,070	133,488	133,488	121,419	121,419	109,094	109,094	96,769	96,769	84,443	84,443	72,118	72,118
3/4	3/4	170,461	170,461	158,139	158,139	145,814	145,814	133,231	133,231	121,163	121,163	108,837	108,837	96,512	96,512	84,186	84,186	71,861	71,861
3	3	170,206	170,206	157,882	157,882	145,557	145,557	133,002	133,002	120,906	120,906	108,580	108,580	96,255	96,255	83,930	83,930	71,604	71,604
1/4	1/4	169,950	169,950	157,626	157,626	145,300	145,300	132,718	132,718	120,649	120,649	108,324	108,324	95,998	95,998	83,673	83,673	71,347	71,347
1/2	1/2	169,693	169,693	157,369	157,369	145,043	145,043	132,461	132,461	120,392	120,392	108,067	108,067	95,741	95,741	83,416	83,416	71,091	71,091
3/4	3/4	169,437	169,437	157,112	157,112	144,786	144,786	132,204	132,204	120,136	120,136	107,810	107,810	95,485	95,485	83,159	83,159	70,834	70,834
4	4	169,180	169,180	156,855	156,855	144,530	144,530	131,947	131,947	119,879	119,879	107,553	107,553	95,228	95,228	82,902	82,902	70,577	70,577
1/4	1/4	168,924	168,924	156,598	156,598	144,273	144,273	131,691	131,691	119,622	119,622	107,297	107,297	94,971	94,971	82,646	82,646	70,320	70,320
1/2	1/2	168,667	168,667	156,342	156,342	144,016	144,016	131,434	131,434	119,365	119,365	107,040	107,040	94,714	94,714	82,389	82,389	70,063	70,063
3/4	3/4	168,410	168,410	156,085	156,085	143,759	143,759	131,177	131,177	119,108	119,108	106,783	106,783	94,458	94,458	82,132	82,132	69,807	69,807
5	5	168,153	168,153	155,828	155,828	143,503	143,503	130,920	130,920	118,852	118,852	106,526	106,526	94,201	94,201	81,875	81,875	69,550	69,550
1/4	1/4	167,897	167,897	155,571	155,571	143,246	143,246	130,664	130,664	118,595	118,595	106,269	106,269	93,944	93,944	81,619	81,619	69,293	69,293
1/2	1/2	167,640	167,640	155,314	155,314	142,989	142,989	130,407	130,407	118,338	118,338	106,013	106,013	93,687	93,687	81,362	81,362	69,036	69,036
3/4	3/4	167,383	167,383	155,058	155,058	142,732	142,732	130,150	130,150	118,081	118,081	105,756	105,756	93,430	93,430	81,105	81,105	68,780	68,780
6	6	167,126	167,126	154,801	154,801	142,475	142,475	130,150	130,150	117,825	117,825	105,499	105,499	93,174	93,174	80,848	80,848	68,523	68,523
1/4	1/4	166,870	166,870	154,544	154,544	142,219	142,219	129,893	129,893	117,568	117,568	105,242	105,242	92,917	92,917	80,591	80,591	68,266	68,266
1/2	1/2	166,613	166,613	154,287	154,287	141,962	141,962	129,636	129,636	117,311	117,311	104,986	104,986	92,660	92,660	80,335	80,335	68,009	68,009
3/4	3/4	166,356	166,356	154,031	154,031	141,705	141,705	129,380	129,380	117,054	117,054	104,729	104,729	92,403	92,403	80,078	80,078	67,752	67,752
7	7	166,099	166,099	153,774	153,774	141,448	141,448	129,123	129,123	116,797	116,797	104,472	104,472	92,147	92,147	79,821	79,821	67,496	67,496
1/4	1/4	165,842	165,842	153,517	153,517	141,192	141,192	128,866	128,866	116,541	116,541	104,215	104,215	91,890	91,890	79,564	79,564	67,239	67,239
1/2	1/2	165,586	165,586	153,260	153,260	140,935	140,935	128,609	128,609	116,284	116,284	103,958	103,958	91,633	91,633	79,308	79,308	66,982	66,982
3/4	3/4	165,329	165,329	153,003	153,003	140,678	140,678	128,353	128,353	116,027	116,027	103,702	103,702	91,376	91,376	79,051	79,051	66,725	66,725
8	8	165,072	165,072	149,421	149,421	138,096	138,096	127,839	127,839	115,770	115,770	103,445	103,445	91,119	91,119	78,794	78,794	66,468	66,468
1/4	1/4	164,815	164,815	149,164	149,164	137,839	137,839	127,582	127,582	115,514	115,514	103,188	103,188	90,863	90,863	78,537	78,537	66,212	66,212
1/2	1/2	164,559	164,559	149,233	149,233	137,625	137,625	127,325	127,325	115,257	115,257	102,931	102,931	90,606	90,606	78,280	78,280	65,955	65,955
3/4	3/4	164,302	164,302	148,968	148,968	137,368	137,368	127,068	127,068	114,990	114,990	102,675	102,675	90,349	90,349	78,024	78,024	65,698	65,698
9	9	164,045	164,045	148,701	148,701	137,101	137,101	126,801	126,801	114,733	114,733	102,418	102,418	90,092	90,092	77,767	77,767	65,441	65,441
1/4	1/4	163,788	163,788	148,434	148,434	136,834	136,834	126,544	126,544	114,476	114,476	102,161	102,161	89,835	89,835	77,510	77,510	65,185	65,185
1/2	1/2	163,531	163,531	148,167	148,167	136,577	136,577	126,287	126,287	114,219	114,219	101,904	101,904	89,578	89,578	77,253	77,253	64,928	64,928
3/4	3/4	163,275	163,275	147,900	147,900	136,320	136,320	126,030	126,030	113,962	113,962	101,647	101,647	89,322	89,322	76,996	76,996	64,671	64,671
10	10	163,018	163,018	147,633	147,633	136,063	136,063	125,773	125,773	113,705	113,705	101,390	101,390	89,065	89,065	76,740	76,740	64,414	64,414
1/4	1/4	162,761	162,761	147,366	147,366	136,006	136,006	125,516	125,516	113,448	113,448	101,134	101,134	88,808	88,808	76,483	76,483	64,157	64,157
1/2	1/2	162,504	162,504	147,109	147,109	135,759	135,759	125,259	125,259	113,191	113,191	100,877	100,877	88,552	88,552	76,226	76,226	63,900	63,900
3/4	3/4	162,248	162,248	146,852	146,852	135,502	135,502	125,002	125,002	112,934	112,934	100,620	100,620	88,295	88,295	75,969	75,969	63,643	63,643
11	11	161,991	161,991	146,595	146,595	135,245	135,245	124,745	124,745	112,677	112,677	100,363	100,363	88,038	88,038	75,713	75,713	63,387	63,387
1/4	1/4	161,734	161,734	146,338	146,338	135,000	135,000	124,488	124,488	112,420	112,420	100,107	100,107	87,781	87,781	75,456	75,456	63,130	63,130
1/2	1/2	161,477	161,477	146,081	146,081	134,731	134,731	124,231	124,231	112,163	112,163	99,850	99,850	87,524	87,524	75,199	75,199	62,874	62,874
3/4	3/4	161,220	161,220	146,081	146,081	134,731	134,731	124,244	124,244	111,919	111,919	99,593	99,593	87,268	87,268	74,942	74,942	62,617	62,617

GAUGE HEIGHT 15'-02



# BARGE "IB 1904"

3 CENTER  
ULLAGE TABLE

GAUGE HEIGHT 15'-02 1/4"

CAPACITIES GIVEN IN WHOLE GALLONS		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	62,360	0	50,035	0	37,712	0	25,401	0	13,076	0	925	0	0	0	0	0	0	0	0
1/4	62,103	1/4	49,778	1/4	37,455	1/4	25,145	1/4	12,820	1/4	711	1/4	0	1/4	0	1/4	0	1/4	0
1/2	61,846	1/2	49,521	1/2	37,199	1/2	24,888	1/2	12,563	1/2	583	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,590	3/4	49,264	3/4	36,943	3/4	24,631	3/4	12,306	3/4	455	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	61,333	1	49,007	1	36,686	1	24,374	1	12,049	1	326	1	1	1	1	1	1	1	1
1/4	61,076	1/4	48,751	1/4	36,430	1/4	24,118	1/4	11,793	1/4	198	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,819	1/2	48,494	1/2	36,174	1/2	23,861	1/2	11,536	1/2	155	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,563	3/4	48,237	3/4	35,917	3/4	23,604	3/4	11,279	3/4	112	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	60,306	2	47,980	2	35,661	2	23,347	2	11,022	2	69	2	2	2	2	2	2	2	2
1/4	60,049	1/4	47,724	1/4	35,405	1/4	23,090	1/4	10,765	1/4	26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,792	1/2	47,467	1/2	35,149	1/2	22,834	1/2	10,509	1/2	26	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,535	3/4	47,210	3/4	34,892	3/4	22,577	3/4	10,252	3/4	26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	59,279	3	46,953	3	34,636	3	22,320	3	9,995	3	3	3	3	3	3	3	3	3	3
1/4	59,022	1/4	46,696	1/4	34,380	1/4	22,063	1/4	9,738	1/4	3	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,765	1/2	46,440	1/2	34,123	1/2	21,807	1/2	9,482	1/2	3	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,508	3/4	46,183	3/4	33,867	3/4	21,550	3/4	9,225	3/4	3	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	58,252	4	45,926	4	33,611	4	21,293	4	8,968	4	4	4	4	4	4	4	4	4	4
1/4	57,995	1/4	45,669	1/4	33,354	1/4	21,036	1/4	8,711	1/4	4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,738	1/2	45,413	1/2	33,098	1/2	20,780	1/2	8,455	1/2	4	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,481	3/4	45,156	3/4	32,842	3/4	20,523	3/4	8,198	3/4	4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	57,224	5	44,899	5	32,585	5	20,266	5	7,941	5	5	5	5	5	5	5	5	5	5
1/4	56,968	1/4	44,642	1/4	32,329	1/4	20,009	1/4	7,684	1/4	5	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,711	1/2	44,385	1/2	32,073	1/2	19,752	1/2	7,428	1/2	5	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,454	3/4	44,129	3/4	31,816	3/4	19,496	3/4	7,171	3/4	5	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	56,197	6	43,872	6	31,560	6	19,239	6	6,914	6	6	6	6	6	6	6	6	6	6
1/4	55,941	1/4	43,615	1/4	31,304	1/4	18,982	1/4	6,657	1/4	6	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,684	1/2	43,358	1/2	31,047	1/2	18,725	1/2	6,401	1/2	6	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,427	3/4	43,101	3/4	30,791	3/4	18,469	3/4	6,144	3/4	6	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	55,170	7	42,844	7	30,535	7	18,212	7	5,888	7	7	7	7	7	7	7	7	7	7
1/4	54,913	1/4	42,588	1/4	30,278	1/4	17,955	1/4	5,631	1/4	7	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,657	1/2	42,331	1/2	30,022	1/2	17,698	1/2	5,375	1/2	7	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,400	3/4	42,074	3/4	29,766	3/4	17,442	3/4	5,119	3/4	7	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	54,143	8	41,818	8	29,509	8	17,185	8	4,863	8	8	8	8	8	8	8	8	8	8
1/4	53,886	1/4	41,561	1/4	29,253	1/4	16,928	1/4	4,607	1/4	8	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,629	1/2	41,304	1/2	28,996	1/2	16,671	1/2	4,352	1/2	8	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,373	3/4	41,047	3/4	28,739	3/4	16,414	3/4	4,097	3/4	8	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	53,116	9	40,790	9	28,483	9	16,158	9	3,842	9	9	9	9	9	9	9	9	9	9
1/4	52,859	1/4	40,534	1/4	28,226	1/4	15,901	1/4	3,587	1/4	9	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,602	1/2	40,277	1/2	27,969	1/2	15,644	1/2	3,333	1/2	9	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,346	3/4	40,020	3/4	27,712	3/4	15,387	3/4	3,079	3/4	9	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	52,089	10	39,763	10	27,456	10	15,131	10	2,825	10	10	10	10	10	10	10	10	10	10
1/4	51,832	1/4	39,507	1/4	27,199	1/4	14,874	1/4	2,572	1/4	10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,575	1/2	39,250	1/2	26,942	1/2	14,617	1/2	2,320	1/2	10	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,318	3/4	38,994	3/4	26,685	3/4	14,360	3/4	2,069	3/4	10	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	51,062	11	38,737	11	26,428	11	14,103	11	1,817	11	11	11	11	11	11	11	11	11	11
1/4	50,805	1/4	38,481	1/4	26,172	1/4	13,847	1/4	1,566	1/4	11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,548	1/2	38,225	1/2	25,915	1/2	13,590	1/2	1,352	1/2	11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,291	3/4	37,968	3/4	25,658	3/4	13,333	3/4	1,139	3/4	11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

RESTRAPPED: 05/03/2019 JS  
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