



# BARGE "IB 1945"

## INNAGE TRIM TABLE

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

(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 INNAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 182'-06"

October 10, 2013

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
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# BARGE "IB 1945"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	94	0	11,726	0	24,671	0	37,454	0	50,303	0	63,241	0	76,163	0	89,109	0	102,054	0	114,998
1/4	173	1/4	11,995	1/4	24,941	1/4	37,717	1/4	50,572	1/4	63,510	1/4	76,433	1/4	89,378	1/4	102,323	1/4	115,268
1/2	252	1/2	12,265	1/2	25,211	1/2	37,981	1/2	50,842	1/2	63,779	1/2	76,703	1/2	89,648	1/2	102,593	1/2	115,538
3/4	330	3/4	12,535	3/4	25,481	3/4	38,244	3/4	51,112	3/4	64,049	3/4	76,972	3/4	89,918	3/4	102,863	3/4	115,808
1	409	1	12,804	1	25,750	1	38,507	1	51,381	1	64,318	1	77,242	1	90,188	1	103,132	1	116,077
1/4	578	1/4	13,074	1/4	26,020	1/4	38,771	1/4	51,651	1/4	64,587	1/4	77,512	1/4	90,457	1/4	103,402	1/4	116,347
1/2	747	1/2	13,344	1/2	26,290	1/2	39,034	1/2	51,920	1/2	64,856	1/2	77,782	1/2	90,727	1/2	103,672	1/2	116,617
3/4	915	3/4	13,614	3/4	26,559	3/4	39,297	3/4	52,190	3/4	65,125	3/4	78,051	3/4	90,997	3/4	103,941	3/4	116,886
2	1,084	2	13,883	2	26,829	2	39,561	2	52,459	2	65,394	2	78,321	2	91,266	2	104,211	2	117,156
1/4	1,324	1/4	14,153	1/4	27,099	1/4	39,824	1/4	52,729	1/4	65,663	1/4	78,591	1/4	91,536	1/4	104,481	1/4	117,426
1/2	1,564	1/2	14,423	1/2	27,368	1/2	40,087	1/2	52,998	1/2	65,932	1/2	78,860	1/2	91,806	1/2	104,750	1/2	117,695
3/4	1,803	3/4	14,692	3/4	27,638	3/4	40,351	3/4	53,268	3/4	66,201	3/4	79,130	3/4	92,075	3/4	105,020	3/4	117,965
3	2,043	3	14,962	3	27,908	3	40,614	3	53,538	3	66,470	3	79,400	3	92,345	3	105,290	3	118,235
1/4	2,309	1/4	15,232	1/4	28,178	1/4	40,880	1/4	53,807	1/4	66,739	1/4	79,669	1/4	92,615	1/4	105,559	1/4	118,505
1/2	2,574	1/2	15,502	1/2	28,447	1/2	41,145	1/2	54,077	1/2	67,009	1/2	79,939	1/2	92,884	1/2	105,829	1/2	118,774
3/4	2,840	3/4	15,771	3/4	28,717	3/4	41,411	3/4	54,346	3/4	67,278	3/4	80,209	3/4	93,154	3/4	106,099	3/4	119,044
4	3,105	4	16,041	4	28,987	4	41,677	4	54,616	4	67,547	4	80,479	4	93,424	4	106,368	4	119,314
1/4	3,373	1/4	16,311	1/4	29,256	1/4	41,946	1/4	54,885	1/4	67,816	1/4	80,748	1/4	93,694	1/4	106,638	1/4	119,583
1/2	3,640	1/2	16,580	1/2	29,526	1/2	42,216	1/2	55,155	1/2	68,085	1/2	81,018	1/2	93,963	1/2	106,908	1/2	119,853
3/4	3,908	3/4	16,850	3/4	29,796	3/4	42,485	3/4	55,425	3/4	68,354	3/4	81,288	3/4	94,233	3/4	107,177	3/4	120,123
5	4,176	5	17,120	5	30,065	5	42,755	5	55,694	5	68,623	5	81,557	5	94,503	5	107,447	5	120,392
1/4	4,444	1/4	17,389	1/4	30,333	1/4	43,025	1/4	55,964	1/4	68,892	1/4	81,827	1/4	94,772	1/4	107,717	1/4	120,662
1/2	4,713	1/2	17,659	1/2	30,600	1/2	43,294	1/2	56,233	1/2	69,161	1/2	82,097	1/2	95,042	1/2	107,986	1/2	120,932
3/4	4,982	3/4	17,929	3/4	30,867	3/4	43,564	3/4	56,503	3/4	69,430	3/4	82,366	3/4	95,312	3/4	108,256	3/4	121,201
6	5,251	6	18,199	6	31,135	6	43,833	6	56,772	6	69,699	6	82,636	6	95,581	6	108,526	6	121,471
1/4	5,520	1/4	18,468	1/4	31,398	1/4	44,103	1/4	57,042	1/4	69,969	1/4	82,906	1/4	95,851	1/4	108,796	1/4	121,741
1/2	5,790	1/2	18,738	1/2	31,661	1/2	44,372	1/2	57,312	1/2	70,238	1/2	83,175	1/2	96,121	1/2	109,065	1/2	122,011
3/4	6,060	3/4	19,008	3/4	31,925	3/4	44,642	3/4	57,581	3/4	70,507	3/4	83,445	3/4	96,390	3/4	109,335	3/4	122,280
7	6,329	7	19,277	7	32,188	7	44,912	7	57,851	7	70,776	7	83,715	7	96,660	7	109,605	7	122,550
1/4	6,599	1/4	19,547	1/4	32,451	1/4	45,181	1/4	58,120	1/4	71,045	1/4	83,985	1/4	96,930	1/4	109,874	1/4	122,820
1/2	6,868	1/2	19,817	1/2	32,715	1/2	45,451	1/2	58,390	1/2	71,314	1/2	84,254	1/2	97,200	1/2	110,144	1/2	123,089
3/4	7,138	3/4	20,086	3/4	32,978	3/4	45,720	3/4	58,659	3/4	71,583	3/4	84,524	3/4	97,469	3/4	110,414	3/4	123,359
8	7,408	8	20,356	8	33,241	8	45,990	8	58,929	8	71,852	8	84,794	8	97,739	8	110,683	8	123,629
1/4	7,678	1/4	20,626	1/4	33,504	1/4	46,259	1/4	59,198	1/4	72,121	1/4	85,063	1/4	98,009	1/4	110,953	1/4	123,898
1/2	7,948	1/2	20,896	1/2	33,768	1/2	46,529	1/2	59,468	1/2	72,390	1/2	85,333	1/2	98,278	1/2	111,223	1/2	124,168
3/4	8,217	3/4	21,165	3/4	34,031	3/4	46,798	3/4	59,738	3/4	72,659	3/4	85,603	3/4	98,548	3/4	111,492	3/4	124,438
9	8,487	9	21,435	9	34,294	9	47,068	9	60,007	9	72,929	9	85,872	9	98,818	9	111,762	9	124,707
1/4	8,757	1/4	21,705	1/4	34,558	1/4	47,338	1/4	60,277	1/4	73,198	1/4	86,142	1/4	99,087	1/4	112,032	1/4	124,951
1/2	9,027	1/2	21,974	1/2	34,821	1/2	47,607	1/2	60,546	1/2	73,467	1/2	86,412	1/2	99,357	1/2	112,302	1/2	125,194
3/4	9,297	3/4	22,244	3/4	35,084	3/4	47,877	3/4	60,816	3/4	73,737	3/4	86,681	3/4	99,627	3/4	112,571	3/4	125,437
10	9,567	10	22,514	10	35,348	10	48,146	10	61,085	10	74,006	10	86,951	10	99,896	10	112,841	10	125,680
1/4	9,837	1/4	22,783	1/4	35,611	1/4	48,416	1/4	61,355	1/4	74,276	1/4	87,221	1/4	100,166	1/4	113,111	1/4	125,879
1/2	10,107	1/2	23,053	1/2	35,874	1/2	48,685	1/2	61,625	1/2	74,545	1/2	87,491	1/2	100,436	1/2	113,380	1/2	126,078
3/4	10,377	3/4	23,323	3/4	36,138	3/4	48,955	3/4	61,894	3/4	74,815	3/4	87,760	3/4	100,705	3/4	113,650	3/4	126,277
11	10,647	11	23,593	11	36,401	11	49,225	11	62,164	11	75,085	11	88,030	11	100,975	11	113,920	11	126,476
1/4	10,916	1/4	23,862	1/4	36,664	1/4	49,494	1/4	62,433	1/4	75,354	1/4	88,300	1/4	101,245	1/4	114,189	1/4	126,675
1/2	11,186	1/2	24,132	1/2	36,928	1/2	49,764	1/2	62,702	1/2	75,624	1/2	88,569	1/2	101,514	1/2	114,459	1/2	126,875
3/4	11,456	3/4	24,402	3/4	37,191	3/4	50,033	3/4	62,972	3/4	75,894	3/4	88,839	3/4	101,784	3/4	114,729	3/4	127,074

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

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 30'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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# BARGE "IB 1945"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 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	127,274	0	136,842	0	146,411	0	155,980	0		0		0		0		0		0	
1/4	127,473	1/4	137,042	1/4	146,611	1/4	156,179	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	127,672	1/2	137,241	1/2	146,810	1/2	156,379	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	127,872	3/4	137,440	3/4	147,009	3/4	156,578	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	128,071	1	137,640	1	147,209	1	156,777	1	1	1	1	1	1	1	1	1	1	1	1
1/4	128,270	1/4	137,839	1/4	147,408	1/4	156,976	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	128,470	1/2	138,038	1/2	147,607	1/2	157,174	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	128,669	3/4	138,238	3/4	147,807	3/4	157,373	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	128,868	2	138,437	2	148,006	2	157,572	2	2	2	2	2	2	2	2	2	2	2	2
1/4	129,068	1/4	138,637	1/4	148,205	1/4	157,766	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	129,267	1/2	138,836	1/2	148,405	1/2	157,960	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	129,466	3/4	139,035	3/4	148,604	3/4	158,153	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	129,666	3	139,235	3	148,803	3	158,347	3	3	3	3	3	3	3	3	3	3	3	3
1/4	129,865	1/4	139,434	1/4	149,003	1/4	158,505	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	130,064	1/2	139,633	1/2	149,202	1/2	158,662	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	130,264	3/4	139,833	3/4	149,401	3/4	158,820	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	130,463	4	140,032	4	149,601	4	158,978	4	4	4	4	4	4	4	4	4	4	4	4
1/4	130,662	1/4	140,231	1/4	149,800	1/4	159,053	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	130,862	1/2	140,431	1/2	149,999	1/2	159,129	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	131,061	3/4	140,630	3/4	150,199	3/4	159,204	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	131,261	5	140,829	5	150,398	5	159,280	5	5	5	5	5	5	5	5	5	5	5	5
1/4	131,460	1/4	141,029	1/4	150,598	1/4	159,300	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	131,659	1/2	141,228	1/2	150,797	1/2	159,321	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	131,859	3/4	141,427	3/4	150,996	3/4	159,341	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	132,058	6	141,627	6	151,196	6	159,361	6	6	6	6	6	6	6	6	6	6	6	6
1/4	132,257	1/4	141,826	1/4	151,395	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	132,457	1/2	142,025	1/2	151,594	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	132,656	3/4	142,225	3/4	151,794	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	132,855	7	142,424	7	151,993	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	133,055	1/4	142,624	1/4	152,192	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	133,254	1/2	142,823	1/2	152,392	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	133,453	3/4	143,022	3/4	152,591	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	133,653	8	143,222	8	152,790	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	133,852	1/4	143,421	1/4	152,990	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	134,051	1/2	143,620	1/2	153,189	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	134,251	3/4	143,820	3/4	153,388	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	134,450	9	144,019	9	153,588	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	134,649	1/4	144,218	1/4	153,787	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	134,849	1/2	144,418	1/2	153,987	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	135,048	3/4	144,617	3/4	154,186	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	135,248	10	144,816	10	154,385	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	135,447	1/4	145,016	1/4	154,585	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	135,646	1/2	145,215	1/2	154,784	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	135,846	3/4	145,414	3/4	154,983	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	136,045	11	145,614	11	155,183	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	136,244	1/4	145,813	1/4	155,382	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	136,444	1/2	146,012	1/2	155,581	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	136,643	3/4	146,212	3/4	155,781	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/10/2013 SW  
CALCULATED: 10/10/2013 CL  
PRINTED: 10/10/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "IB 1945"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06"

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	91	0	11,268	0	23,724	0	36,019	0	48,384	0	60,840	0	73,296	0	85,752	0	98,208	0	110,665
1/4	167	1/4	11,528	1/4	23,983	1/4	36,272	1/4	48,643	1/4	61,099	1/4	73,556	1/4	86,012	1/4	98,468	1/4	110,924
1/2	243	1/2	11,787	1/2	24,243	1/2	36,525	1/2	48,903	1/2	61,359	1/2	73,815	1/2	86,271	1/2	98,727	1/2	111,184
3/4	318	3/4	12,047	3/4	24,502	3/4	36,778	3/4	49,162	3/4	61,618	3/4	74,075	3/4	86,531	3/4	98,987	3/4	111,443
1	394	1	12,306	1	24,762	1	37,032	1	49,422	1	61,878	1	74,334	1	86,790	1	99,246	1	111,703
1/4	556	1/4	12,566	1/4	25,021	1/4	37,285	1/4	49,681	1/4	62,137	1/4	74,594	1/4	87,050	1/4	99,506	1/4	111,962
1/2	718	1/2	12,825	1/2	25,281	1/2	37,538	1/2	49,941	1/2	62,397	1/2	74,853	1/2	87,309	1/2	99,765	1/2	112,222
3/4	880	3/4	13,085	3/4	25,540	3/4	37,791	3/4	50,200	3/4	62,656	3/4	75,113	3/4	87,569	3/4	100,025	3/4	112,481
2	1,042	2	13,344	2	25,800	2	38,044	2	50,460	2	62,916	2	75,372	2	87,828	2	100,284	2	112,741
1/4	1,272	1/4	13,604	1/4	26,059	1/4	38,298	1/4	50,719	1/4	63,175	1/4	75,632	1/4	88,088	1/4	100,544	1/4	113,000
1/2	1,503	1/2	13,863	1/2	26,319	1/2	38,551	1/2	50,979	1/2	63,435	1/2	75,891	1/2	88,347	1/2	100,803	1/2	113,260
3/4	1,733	3/4	14,123	3/4	26,578	3/4	38,804	3/4	51,238	3/4	63,694	3/4	76,151	3/4	88,607	3/4	101,063	3/4	113,519
3	1,963	3	14,382	3	26,838	3	39,057	3	51,498	3	63,954	3	76,410	3	88,866	3	101,322	3	113,779
1/4	2,218	1/4	14,642	1/4	27,097	1/4	39,313	1/4	51,757	1/4	64,213	1/4	76,670	1/4	89,126	1/4	101,582	1/4	114,038
1/2	2,473	1/2	14,901	1/2	27,357	1/2	39,569	1/2	52,017	1/2	64,473	1/2	76,929	1/2	89,385	1/2	101,841	1/2	114,298
3/4	2,728	3/4	15,161	3/4	27,616	3/4	39,824	3/4	52,276	3/4	64,732	3/4	77,189	3/4	89,645	3/4	102,101	3/4	114,557
4	2,983	4	15,420	4	27,876	4	40,080	4	52,536	4	64,992	4	77,448	4	89,904	4	102,360	4	114,817
1/4	3,240	1/4	15,680	1/4	28,135	1/4	40,339	1/4	52,795	1/4	65,251	1/4	77,708	1/4	90,164	1/4	102,620	1/4	115,076
1/2	3,497	1/2	15,939	1/2	28,395	1/2	40,599	1/2	53,055	1/2	65,511	1/2	77,967	1/2	90,423	1/2	102,879	1/2	115,336
3/4	3,754	3/4	16,199	3/4	28,654	3/4	40,858	3/4	53,314	3/4	65,770	3/4	78,227	3/4	90,683	3/4	103,139	3/4	115,595
5	4,011	5	16,458	5	28,914	5	41,118	5	53,574	5	66,030	5	78,486	5	90,942	5	103,398	5	115,855
1/4	4,269	1/4	16,718	1/4	29,171	1/4	41,377	1/4	53,833	1/4	66,290	1/4	78,746	1/4	91,202	1/4	103,658	1/4	116,114
1/2	4,527	1/2	16,977	1/2	29,428	1/2	41,637	1/2	54,093	1/2	66,549	1/2	79,005	1/2	91,461	1/2	103,917	1/2	116,374
3/4	4,786	3/4	17,237	3/4	29,685	3/4	41,896	3/4	54,352	3/4	66,809	3/4	79,265	3/4	91,721	3/4	104,177	3/4	116,633
6	5,044	6	17,496	6	29,942	6	42,156	6	54,612	6	67,068	6	79,524	6	91,980	6	104,436	6	116,893
1/4	5,303	1/4	17,756	1/4	30,196	1/4	42,415	1/4	54,871	1/4	67,328	1/4	79,784	1/4	92,240	1/4	104,696	1/4	117,152
1/2	5,562	1/2	18,015	1/2	30,449	1/2	42,675	1/2	55,131	1/2	67,587	1/2	80,043	1/2	92,499	1/2	104,955	1/2	117,412
3/4	5,820	3/4	18,275	3/4	30,702	3/4	42,934	3/4	55,390	3/4	67,847	3/4	80,303	3/4	92,759	3/4	105,215	3/4	117,671
7	6,079	7	18,534	7	30,955	7	43,194	7	55,650	7	68,106	7	80,562	7	93,018	7	105,474	7	117,931
1/4	6,339	1/4	18,794	1/4	31,208	1/4	43,453	1/4	55,909	1/4	68,366	1/4	80,822	1/4	93,278	1/4	105,734	1/4	118,190
1/2	6,598	1/2	19,053	1/2	31,461	1/2	43,713	1/2	56,169	1/2	68,625	1/2	81,081	1/2	93,537	1/2	105,993	1/2	118,450
3/4	6,857	3/4	19,313	3/4	31,715	3/4	43,972	3/4	56,428	3/4	68,885	3/4	81,341	3/4	93,797	3/4	106,253	3/4	118,709
8	7,117	8	19,572	8	31,968	8	44,232	8	56,688	8	69,144	8	81,600	8	94,056	8	106,512	8	118,969
1/4	7,376	1/4	19,832	1/4	32,221	1/4	44,491	1/4	56,947	1/4	69,404	1/4	81,860	1/4	94,316	1/4	106,772	1/4	119,228
1/2	7,635	1/2	20,091	1/2	32,474	1/2	44,751	1/2	57,207	1/2	69,663	1/2	82,119	1/2	94,575	1/2	107,031	1/2	119,488
3/4	7,895	3/4	20,351	3/4	32,727	3/4	45,010	3/4	57,466	3/4	69,923	3/4	82,379	3/4	94,835	3/4	107,291	3/4	119,747
9	8,154	9	20,610	9	32,981	9	45,270	9	57,726	9	70,182	9	82,638	9	95,094	9	107,550	9	120,007
1/4	8,414	1/4	20,869	1/4	33,234	1/4	45,529	1/4	57,985	1/4	70,442	1/4	82,898	1/4	95,354	1/4	107,810	1/4	120,266
1/2	8,673	1/2	21,129	1/2	33,487	1/2	45,789	1/2	58,245	1/2	70,701	1/2	83,157	1/2	95,613	1/2	108,069	1/2	120,526
3/4	8,933	3/4	21,388	3/4	33,740	3/4	46,048	3/4	58,504	3/4	70,961	3/4	83,417	3/4	95,873	3/4	108,329	3/4	120,785
10	9,192	10	21,648	10	33,993	10	46,308	10	58,764	10	71,220	10	83,676	10	96,132	10	108,588	10	121,045
1/4	9,452	1/4	21,907	1/4	34,246	1/4	46,567	1/4	59,023	1/4	71,480	1/4	83,936	1/4	96,392	1/4	108,848	1/4	121,304
1/2	9,711	1/2	22,167	1/2	34,500	1/2	46,827	1/2	59,283	1/2	71,739	1/2	84,195	1/2	96,651	1/2	109,107	1/2	121,564
3/4	9,971	3/4	22,426	3/4	34,753	3/4	47,086	3/4	59,542	3/4	71,999	3/4	84,455	3/4	96,911	3/4	109,367	3/4	121,823
11	10,230	11	22,686	11	35,006	11	47,346	11	59,802	11	72,258	11	84,714	11	97,170	11	109,627	11	122,083
1/4	10,490	1/4	22,945	1/4	35,259	1/4	47,605	1/4	60,061	1/4	72,518	1/4	84,974	1/4	97,430	1/4	109,886	1/4	122,342
1/2	10,749	1/2	23,205	1/2	35,512	1/2	47,865	1/2	60,321	1/2	72,777	1/2	85,233	1/2	97,689	1/2	110,146	1/2	122,602
3/4	11,009	3/4	23,464	3/4	35,766	3/4	48,124	3/4	60,580	3/4	73,037	3/4	85,493	3/4	97,949	3/4	110,405	3/4	122,861

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

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 30'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "IB 1945"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06"

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	123,121	0	135,577	0	148,033	0	160,489	0		0		0		0		0		0	
1/4	123,380	1/4	135,836	1/4	148,292	1/4	160,749	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	123,640	1/2	136,096	1/2	148,552	1/2	161,008	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	123,899	3/4	136,355	3/4	148,811	3/4	161,267	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	124,159	1	136,615	1	149,071	1	161,527	1	1	1	1	1	1	1	1	1	1	1	1
1/4	124,418	1/4	136,874	1/4	149,330	1/4	161,786	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	124,678	1/2	137,134	1/2	149,590	1/2	162,045	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	124,937	3/4	137,393	3/4	149,849	3/4	162,303	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	125,197	2	137,653	2	150,109	2	162,562	2	2	2	2	2	2	2	2	2	2	2	2
1/4	125,456	1/4	137,912	1/4	150,368	1/4	162,817	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	125,716	1/2	138,172	1/2	150,628	1/2	163,071	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	125,975	3/4	138,431	3/4	150,887	3/4	163,325	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	126,235	3	138,691	3	151,147	3	163,579	3	3	3	3	3	3	3	3	3	3	3	3
1/4	126,494	1/4	138,950	1/4	151,406	1/4	163,798	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	126,754	1/2	139,210	1/2	151,666	1/2	164,018	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	127,013	3/4	139,469	3/4	151,925	3/4	164,237	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	127,273	4	139,729	4	152,185	4	164,457	4	4	4	4	4	4	4	4	4	4	4	4
1/4	127,532	1/4	139,988	1/4	152,444	1/4	164,597	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	127,792	1/2	140,248	1/2	152,704	1/2	164,738	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	128,051	3/4	140,507	3/4	152,964	3/4	164,878	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	128,311	5	140,767	5	153,223	5	165,019	5	5	5	5	5	5	5	5	5	5	5	5
1/4	128,570	1/4	141,026	1/4	153,483	1/4	165,081	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	128,830	1/2	141,286	1/2	153,742	1/2	165,143	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	129,089	3/4	141,545	3/4	154,002	3/4	165,205	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	129,349	6	141,805	6	154,261	6	165,268	6	6	6	6	6	6	6	6	6	6	6	6
1/4	129,608	1/4	142,064	1/4	154,521	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	129,868	1/2	142,324	1/2	154,780	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	130,127	3/4	142,583	3/4	155,040	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	130,387	7	142,843	7	155,299	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	130,646	1/4	143,102	1/4	155,559	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	130,906	1/2	143,362	1/2	155,818	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	131,165	3/4	143,621	3/4	156,078	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	131,425	8	143,881	8	156,337	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	131,684	1/4	144,140	1/4	156,597	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	131,944	1/2	144,400	1/2	156,856	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	132,203	3/4	144,659	3/4	157,116	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	132,463	9	144,919	9	157,375	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	132,722	1/4	145,178	1/4	157,635	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	132,982	1/2	145,438	1/2	157,894	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	133,241	3/4	145,697	3/4	158,154	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	133,501	10	145,957	10	158,413	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	133,760	1/4	146,216	1/4	158,673	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	134,020	1/2	146,476	1/2	158,932	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	134,279	3/4	146,735	3/4	159,192	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	134,539	11	146,995	11	159,451	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	134,798	1/4	147,254	1/4	159,711	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	135,058	1/2	147,514	1/2	159,970	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	135,317	3/4	147,773	3/4	160,230	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/10/2013 SW  
CALCULATED: 10/10/2013 CL  
PRINTED: 10/10/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2013

PRECISION MEASUREMENT  
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# BARGE "IB 1945"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 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	91	0	11,176	0	23,529	0	35,871	0	48,219	0	60,573	0	72,927	0	85,281	0	97,635	0	109,989
1/4	166	1/4	11,433	1/4	23,787	1/4	36,128	1/4	48,477	1/4	60,830	1/4	73,184	1/4	85,538	1/4	97,892	1/4	110,246
1/2	241	1/2	11,691	1/2	24,044	1/2	36,385	1/2	48,734	1/2	61,088	1/2	73,442	1/2	85,796	1/2	98,149	1/2	110,503
3/4	316	3/4	11,948	3/4	24,301	3/4	36,642	3/4	48,991	3/4	61,345	3/4	73,699	3/4	86,053	3/4	98,407	3/4	110,761
1	391	1	12,205	1	24,559	1	36,899	1	49,249	1	61,603	1	73,956	1	86,310	1	98,664	1	111,018
1/4	552	1/4	12,463	1/4	24,816	1/4	37,156	1/4	49,506	1/4	61,860	1/4	74,214	1/4	86,568	1/4	98,921	1/4	111,275
1/2	712	1/2	12,720	1/2	25,073	1/2	37,413	1/2	49,763	1/2	62,117	1/2	74,471	1/2	86,825	1/2	99,179	1/2	111,533
3/4	873	3/4	12,977	3/4	25,331	3/4	37,670	3/4	50,021	3/4	62,375	3/4	74,728	3/4	87,082	3/4	99,436	3/4	111,790
2	1,034	2	13,235	2	25,588	2	37,927	2	50,278	2	62,632	2	74,986	2	87,340	2	99,694	2	112,047
1/4	1,262	1/4	13,492	1/4	25,846	1/4	38,184	1/4	50,536	1/4	62,889	1/4	75,243	1/4	87,597	1/4	99,951	1/4	112,305
1/2	1,490	1/2	13,750	1/2	26,103	1/2	38,441	1/2	50,793	1/2	63,147	1/2	75,501	1/2	87,854	1/2	100,208	1/2	112,562
3/4	1,719	3/4	14,007	3/4	26,360	3/4	38,698	3/4	51,050	3/4	63,404	3/4	75,758	3/4	88,112	3/4	100,466	3/4	112,820
3	1,947	3	14,264	3	26,618	3	38,955	3	51,308	3	63,661	3	76,015	3	88,369	3	100,723	3	113,077
1/4	2,200	1/4	14,522	1/4	26,875	1/4	39,212	1/4	51,565	1/4	63,919	1/4	76,273	1/4	88,627	1/4	100,980	1/4	113,334
1/2	2,453	1/2	14,779	1/2	27,132	1/2	39,469	1/2	51,822	1/2	64,176	1/2	76,530	1/2	88,884	1/2	101,238	1/2	113,592
3/4	2,706	3/4	15,036	3/4	27,390	3/4	39,726	3/4	52,080	3/4	64,434	3/4	76,787	3/4	89,141	3/4	101,495	3/4	113,849
4	2,959	4	15,294	4	27,647	4	39,983	4	52,337	4	64,691	4	77,045	4	89,399	4	101,753	4	114,106
1/4	3,214	1/4	15,551	1/4	27,904	1/4	40,241	1/4	52,594	1/4	64,948	1/4	77,302	1/4	89,656	1/4	102,010	1/4	114,364
1/2	3,468	1/2	15,808	1/2	28,162	1/2	40,498	1/2	52,852	1/2	65,206	1/2	77,560	1/2	89,913	1/2	102,267	1/2	114,621
3/4	3,723	3/4	16,066	3/4	28,419	3/4	40,755	3/4	53,109	3/4	65,463	3/4	77,817	3/4	90,171	3/4	102,525	3/4	114,879
5	3,978	5	16,323	5	28,677	5	41,013	5	53,367	5	65,720	5	78,074	5	90,428	5	102,782	5	115,136
1/4	4,234	1/4	16,580	1/4	28,934	1/4	41,270	1/4	53,624	1/4	65,978	1/4	78,332	1/4	90,686	1/4	103,039	1/4	115,393
1/2	4,490	1/2	16,838	1/2	29,191	1/2	41,527	1/2	53,881	1/2	66,235	1/2	78,589	1/2	90,943	1/2	103,297	1/2	115,651
3/4	4,746	3/4	17,095	3/4	29,448	3/4	41,785	3/4	54,139	3/4	66,493	3/4	78,846	3/4	91,200	3/4	103,554	3/4	115,908
6	5,002	6	17,353	6	29,705	6	42,042	6	54,396	6	66,750	6	79,104	6	91,458	6	103,812	6	116,165
1/4	5,259	1/4	17,610	1/4	29,962	1/4	42,300	1/4	54,653	1/4	67,007	1/4	79,361	1/4	91,715	1/4	104,069	1/4	116,423
1/2	5,516	1/2	17,867	1/2	30,219	1/2	42,557	1/2	54,911	1/2	67,265	1/2	79,619	1/2	91,972	1/2	104,326	1/2	116,680
3/4	5,773	3/4	18,125	3/4	30,476	3/4	42,814	3/4	55,168	3/4	67,522	3/4	79,876	3/4	92,230	3/4	104,584	3/4	116,938
7	6,030	7	18,382	7	30,733	7	43,072	7	55,426	7	67,779	7	80,133	7	92,487	7	104,841	7	117,195
1/4	6,287	1/4	18,639	1/4	30,990	1/4	43,329	1/4	55,683	1/4	68,037	1/4	80,391	1/4	92,745	1/4	105,098	1/4	117,452
1/2	6,544	1/2	18,897	1/2	31,247	1/2	43,586	1/2	55,940	1/2	68,294	1/2	80,648	1/2	93,002	1/2	105,356	1/2	117,710
3/4	6,801	3/4	19,154	3/4	31,504	3/4	43,844	3/4	56,198	3/4	68,552	3/4	80,905	3/4	93,259	3/4	105,613	3/4	117,967
8	7,058	8	19,411	8	31,761	8	44,101	8	56,455	8	68,809	8	81,163	8	93,517	8	105,871	8	118,224
1/4	7,316	1/4	19,669	1/4	32,018	1/4	44,359	1/4	56,712	1/4	69,066	1/4	81,420	1/4	93,774	1/4	106,128	1/4	118,482
1/2	7,573	1/2	19,926	1/2	32,275	1/2	44,616	1/2	56,970	1/2	69,324	1/2	81,678	1/2	94,031	1/2	106,385	1/2	118,739
3/4	7,830	3/4	20,184	3/4	32,531	3/4	44,873	3/4	57,227	3/4	69,581	3/4	81,935	3/4	94,289	3/4	106,643	3/4	118,997
9	8,088	9	20,441	9	32,788	9	45,131	9	57,485	9	69,838	9	82,192	9	94,546	9	106,900	9	119,254
1/4	8,345	1/4	20,698	1/4	33,045	1/4	45,388	1/4	57,742	1/4	70,096	1/4	82,450	1/4	94,804	1/4	107,157	1/4	119,511
1/2	8,602	1/2	20,956	1/2	33,302	1/2	45,645	1/2	57,999	1/2	70,353	1/2	82,707	1/2	95,061	1/2	107,415	1/2	119,769
3/4	8,860	3/4	21,213	3/4	33,559	3/4	45,903	3/4	58,257	3/4	70,611	3/4	82,964	3/4	95,318	3/4	107,672	3/4	120,026
10	9,117	10	21,470	10	33,816	10	46,160	10	58,514	10	70,868	10	83,222	10	95,576	10	107,930	10	120,283
1/4	9,374	1/4	21,728	1/4	34,073	1/4	46,418	1/4	58,771	1/4	71,125	1/4	83,479	1/4	95,833	1/4	108,187	1/4	120,541
1/2	9,632	1/2	21,985	1/2	34,330	1/2	46,675	1/2	59,029	1/2	71,383	1/2	83,737	1/2	96,090	1/2	108,444	1/2	120,798
3/4	9,889	3/4	22,242	3/4	34,587	3/4	46,932	3/4	59,286	3/4	71,640	3/4	83,994	3/4	96,348	3/4	108,702	3/4	121,056
11	10,146	11	22,500	11	34,844	11	47,190	11	59,544	11	71,897	11	84,251	11	96,605	11	108,959	11	121,313
1/4	10,404	1/4	22,757	1/4	35,101	1/4	47,447	1/4	59,801	1/4	72,155	1/4	84,509	1/4	96,863	1/4	109,216	1/4	121,570
1/2	10,661	1/2	23,015	1/2	35,358	1/2	47,704	1/2	60,058	1/2	72,412	1/2	84,766	1/2	97,120	1/2	109,474	1/2	121,828
3/4	10,919	3/4	23,272	3/4	35,614	3/4	47,962	3/4	60,316	3/4	72,670	3/4	85,023	3/4	97,377	3/4	109,731	3/4	122,085

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

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 30'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "IB 1945"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	122,342	0	134,696	0	147,050	0	159,404	0		0		0		0		0		0	
1/4	122,600	1/4	134,954	1/4	147,307	1/4	159,661	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	122,857	1/2	135,211	1/2	147,565	1/2	159,919	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	123,114	3/4	135,468	3/4	147,822	3/4	160,176	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	123,372	1	135,726	1	148,080	1	160,433	1	1	1	1	1	1	1	1	1	1	1	1
1/4	123,629	1/4	135,983	1/4	148,337	1/4	160,690	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	123,887	1/2	136,240	1/2	148,594	1/2	160,947	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	124,144	3/4	136,498	3/4	148,852	3/4	161,203	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	124,401	2	136,755	2	149,109	2	161,460	2	2	2	2	2	2	2	2	2	2	2	2
1/4	124,659	1/4	137,013	1/4	149,366	1/4	161,712	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	124,916	1/2	137,270	1/2	149,624	1/2	161,964	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	125,173	3/4	137,527	3/4	149,881	3/4	162,216	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	125,431	3	137,785	3	150,139	3	162,469	3	3	3	3	3	3	3	3	3	3	3	3
1/4	125,688	1/4	138,042	1/4	150,396	1/4	162,686	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	125,946	1/2	138,299	1/2	150,653	1/2	162,904	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	126,203	3/4	138,557	3/4	150,911	3/4	163,121	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	126,460	4	138,814	4	151,168	4	163,339	4	4	4	4	4	4	4	4	4	4	4	4
1/4	126,718	1/4	139,072	1/4	151,425	1/4	163,478	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	126,975	1/2	139,329	1/2	151,683	1/2	163,618	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	127,232	3/4	139,586	3/4	151,940	3/4	163,757	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	127,490	5	139,844	5	152,198	5	163,897	5	5	5	5	5	5	5	5	5	5	5	5
1/4	127,747	1/4	140,101	1/4	152,455	1/4	163,958	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	128,005	1/2	140,358	1/2	152,712	1/2	164,020	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	128,262	3/4	140,616	3/4	152,970	3/4	164,082	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	128,519	6	140,873	6	153,227	6	164,143	6	6	6	6	6	6	6	6	6	6	6	6
1/4	128,777	1/4	141,131	1/4	153,484	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	129,034	1/2	141,388	1/2	153,742	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	129,291	3/4	141,645	3/4	153,999	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	129,549	7	141,903	7	154,257	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	129,806	1/4	142,160	1/4	154,514	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	130,064	1/2	142,417	1/2	154,771	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	130,321	3/4	142,675	3/4	155,029	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	130,578	8	142,932	8	155,286	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	130,836	1/4	143,190	1/4	155,543	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	131,093	1/2	143,447	1/2	155,801	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	131,350	3/4	143,704	3/4	156,058	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	131,608	9	143,962	9	156,316	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	131,865	1/4	144,219	1/4	156,573	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	132,123	1/2	144,476	1/2	156,830	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	132,380	3/4	144,734	3/4	157,088	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	132,637	10	144,991	10	157,345	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	132,895	1/4	145,249	1/4	157,602	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	133,152	1/2	145,506	1/2	157,860	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	133,409	3/4	145,763	3/4	158,117	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	133,667	11	146,021	11	158,374	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	133,924	1/4	146,278	1/4	158,632	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	134,181	1/2	146,535	1/2	158,889	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	134,439	3/4	146,793	3/4	159,147	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/10/2013 SW  
CALCULATED: 10/10/2013 CL  
PRINTED: 10/10/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2013

PRECISION MEASUREMENT  
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