



# BARGE "IB 1946"

## 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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
2 CENTER	- 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	- 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	- 00-1/4	00-1/4	- 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 18, 2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "IB 1946"

## 1 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	94	0	11,715	0	24,650	0	37,421	0	50,259	0	63,186	0	76,097	0	89,031	0	101,964	0	114,898
1/4	173	1/4	11,985	1/4	24,919	1/4	37,684	1/4	50,528	1/4	63,455	1/4	76,366	1/4	89,300	1/4	102,234	1/4	115,167
1/2	251	1/2	12,254	1/2	25,189	1/2	37,947	1/2	50,797	1/2	63,724	1/2	76,636	1/2	89,570	1/2	102,503	1/2	115,437
3/4	330	3/4	12,524	3/4	25,458	3/4	38,211	3/4	51,067	3/4	63,992	3/4	76,905	3/4	89,839	3/4	102,773	3/4	115,706
1	409	1	12,793	1	25,728	1	38,474	1	51,336	1	64,261	1	77,174	1	90,108	1	103,042	1	115,976
1/4	578	1/4	13,063	1/4	25,997	1/4	38,737	1/4	51,605	1/4	64,530	1/4	77,444	1/4	90,378	1/4	103,311	1/4	116,245
1/2	746	1/2	13,332	1/2	26,267	1/2	39,000	1/2	51,875	1/2	64,799	1/2	77,713	1/2	90,647	1/2	103,581	1/2	116,514
3/4	915	3/4	13,602	3/4	26,536	3/4	39,263	3/4	52,144	3/4	65,068	3/4	77,983	3/4	90,917	3/4	103,850	3/4	116,784
2	1,083	2	13,871	2	26,806	2	39,526	2	52,413	2	65,337	2	78,252	2	91,186	2	104,120	2	117,053
1/4	1,323	1/4	14,141	1/4	27,075	1/4	39,789	1/4	52,683	1/4	65,606	1/4	78,522	1/4	91,456	1/4	104,389	1/4	117,323
1/2	1,562	1/2	14,410	1/2	27,344	1/2	40,052	1/2	52,952	1/2	65,874	1/2	78,791	1/2	91,725	1/2	104,659	1/2	117,592
3/4	1,802	3/4	14,680	3/4	27,614	3/4	40,315	3/4	53,221	3/4	66,143	3/4	79,061	3/4	91,995	3/4	104,928	3/4	117,862
3	2,041	3	14,949	3	27,883	3	40,578	3	53,491	3	66,412	3	79,330	3	92,264	3	105,197	3	118,131
1/4	2,307	1/4	15,218	1/4	28,153	1/4	40,844	1/4	53,760	1/4	66,681	1/4	79,600	1/4	92,534	1/4	105,467	1/4	118,401
1/2	2,572	1/2	15,488	1/2	28,422	1/2	41,109	1/2	54,029	1/2	66,950	1/2	79,869	1/2	92,803	1/2	105,736	1/2	118,670
3/4	2,837	3/4	15,757	3/4	28,692	3/4	41,375	3/4	54,299	3/4	67,219	3/4	80,139	3/4	93,073	3/4	106,006	3/4	118,940
4	3,103	4	16,027	4	28,961	4	41,640	4	54,568	4	67,488	4	80,408	4	93,342	4	106,275	4	119,209
1/4	3,370	1/4	16,296	1/4	29,231	1/4	41,910	1/4	54,837	1/4	67,756	1/4	80,677	1/4	93,611	1/4	106,545	1/4	119,479
1/2	3,637	1/2	16,566	1/2	29,500	1/2	42,179	1/2	55,107	1/2	68,025	1/2	80,947	1/2	93,881	1/2	106,814	1/2	119,748
3/4	3,905	3/4	16,835	3/4	29,770	3/4	42,448	3/4	55,376	3/4	68,294	3/4	81,216	3/4	94,150	3/4	107,083	3/4	120,017
5	4,172	5	17,105	5	30,039	5	42,718	5	55,645	5	68,563	5	81,486	5	94,420	5	107,353	5	120,287
1/4	4,441	1/4	17,374	1/4	30,306	1/4	42,987	1/4	55,915	1/4	68,832	1/4	81,755	1/4	94,689	1/4	107,622	1/4	120,556
1/2	4,709	1/2	17,644	1/2	30,573	1/2	43,256	1/2	56,184	1/2	69,101	1/2	82,025	1/2	94,959	1/2	107,892	1/2	120,826
3/4	4,978	3/4	17,913	3/4	30,840	3/4	43,526	3/4	56,453	3/4	69,370	3/4	82,294	3/4	95,228	3/4	108,161	3/4	121,095
6	5,246	6	18,183	6	31,107	6	43,795	6	56,723	6	69,638	6	82,564	6	95,498	6	108,431	6	121,365
1/4	5,516	1/4	18,452	1/4	31,371	1/4	44,064	1/4	56,992	1/4	69,907	1/4	82,833	1/4	95,767	1/4	108,700	1/4	121,634
1/2	5,785	1/2	18,722	1/2	31,634	1/2	44,334	1/2	57,261	1/2	70,176	1/2	83,103	1/2	96,037	1/2	108,970	1/2	121,904
3/4	6,054	3/4	18,991	3/4	31,897	3/4	44,603	3/4	57,531	3/4	70,445	3/4	83,372	3/4	96,306	3/4	109,239	3/4	122,173
7	6,323	7	19,260	7	32,160	7	44,872	7	57,800	7	70,714	7	83,641	7	96,575	7	109,509	7	122,443
1/4	6,593	1/4	19,530	1/4	32,423	1/4	45,142	1/4	58,069	1/4	70,983	1/4	83,911	1/4	96,845	1/4	109,778	1/4	122,712
1/2	6,862	1/2	19,799	1/2	32,686	1/2	45,411	1/2	58,339	1/2	71,252	1/2	84,180	1/2	97,114	1/2	110,047	1/2	122,981
3/4	7,132	3/4	20,069	3/4	32,949	3/4	45,680	3/4	58,608	3/4	71,520	3/4	84,450	3/4	97,384	3/4	110,317	3/4	123,251
8	7,401	8	20,338	8	33,212	8	45,949	8	58,877	8	71,789	8	84,719	8	97,653	8	110,586	8	123,520
1/4	7,671	1/4	20,608	1/4	33,475	1/4	46,219	1/4	59,147	1/4	72,058	1/4	84,989	1/4	97,923	1/4	110,856	1/4	123,790
1/2	7,941	1/2	20,877	1/2	33,738	1/2	46,488	1/2	59,416	1/2	72,327	1/2	85,258	1/2	98,192	1/2	111,125	1/2	124,059
3/4	8,210	3/4	21,147	3/4	34,001	3/4	46,757	3/4	59,685	3/4	72,596	3/4	85,528	3/4	98,462	3/4	111,395	3/4	124,329
9	8,480	9	21,416	9	34,264	9	47,027	9	59,955	9	72,865	9	85,797	9	98,731	9	111,664	9	124,598
1/4	8,750	1/4	21,686	1/4	34,527	1/4	47,296	1/4	60,224	1/4	73,134	1/4	86,067	1/4	99,001	1/4	111,934	1/4	124,841
1/2	9,019	1/2	21,955	1/2	34,791	1/2	47,565	1/2	60,493	1/2	73,403	1/2	86,336	1/2	99,270	1/2	112,203	1/2	125,084
3/4	9,289	3/4	22,225	3/4	35,054	3/4	47,835	3/4	60,763	3/4	73,672	3/4	86,606	3/4	99,539	3/4	112,473	3/4	125,327
10	9,559	10	22,494	10	35,317	10	48,104	10	61,032	10	73,941	10	86,875	10	99,809	10	112,742	10	125,570
1/4	9,828	1/4	22,764	1/4	35,580	1/4	48,373	1/4	61,301	1/4	74,210	1/4	87,144	1/4	100,078	1/4	113,012	1/4	125,769
1/2	10,098	1/2	23,033	1/2	35,843	1/2	48,643	1/2	61,571	1/2	74,480	1/2	87,414	1/2	100,348	1/2	113,281	1/2	125,968
3/4	10,368	3/4	23,302	3/4	36,106	3/4	48,912	3/4	61,840	3/4	74,749	3/4	87,683	3/4	100,617	3/4	113,550	3/4	126,166
11	10,637	11	23,572	11	36,369	11	49,181	11	62,109	11	75,019	11	87,953	11	100,887	11	113,820	11	126,365
1/4	10,907	1/4	23,841	1/4	36,632	1/4	49,451	1/4	62,378	1/4	75,288	1/4	88,222	1/4	101,156	1/4	114,089	1/4	126,564
1/2	11,176	1/2	24,111	1/2	36,895	1/2	49,720	1/2	62,648	1/2	75,558	1/2	88,492	1/2	101,425	1/2	114,359	1/2	126,764
3/4	11,446	3/4	24,380	3/4	37,158	3/4	49,989	3/4	62,917	3/4	75,827	3/4	88,761	3/4	101,695	3/4	114,628	3/4	126,963

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'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "IB 1946"

## 1 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	127,162	0	136,722	0	146,283	0	155,843	0		0		0		0		0		0	
1/4	127,361	1/4	136,922	1/4	146,482	1/4	156,042	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	127,560	1/2	137,121	1/2	146,681	1/2	156,241	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	127,760	3/4	137,320	3/4	146,880	3/4	156,441	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	127,959	1	137,519	1	147,080	1	156,640	1	1	1	1	1	1	1	1	1	1	1	1
1/4	128,158	1/4	137,718	1/4	147,279	1/4	156,838	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	128,357	1/2	137,917	1/2	147,478	1/2	157,037	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	128,556	3/4	138,117	3/4	147,677	3/4	157,235	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	128,755	2	138,316	2	147,876	2	157,434	2	2	2	2	2	2	2	2	2	2	2	2
1/4	128,955	1/4	138,515	1/4	148,075	1/4	157,627	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	129,154	1/2	138,714	1/2	148,275	1/2	157,821	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	129,353	3/4	138,913	3/4	148,474	3/4	158,015	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	129,552	3	139,113	3	148,673	3	158,208	3	3	3	3	3	3	3	3	3	3	3	3
1/4	129,751	1/4	139,312	1/4	148,872	1/4	158,366	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	129,950	1/2	139,511	1/2	149,071	1/2	158,523	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	130,150	3/4	139,710	3/4	149,271	3/4	158,681	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	130,349	4	139,909	4	149,470	4	158,838	4	4	4	4	4	4	4	4	4	4	4	4
1/4	130,548	1/4	140,108	1/4	149,669	1/4	158,914	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	130,747	1/2	140,308	1/2	149,868	1/2	158,989	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	130,946	3/4	140,507	3/4	150,067	3/4	159,065	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	131,146	5	140,706	5	150,266	5	159,140	5	5	5	5	5	5	5	5	5	5	5	5
1/4	131,345	1/4	140,905	1/4	150,466	1/4	159,160	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	131,544	1/2	141,104	1/2	150,665	1/2	159,181	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	131,743	3/4	141,303	3/4	150,864	3/4	159,201	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	131,942	6	141,503	6	151,063	6	159,222	6	6	6	6	6	6	6	6	6	6	6	6
1/4	132,141	1/4	141,702	1/4	151,262	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	132,341	1/2	141,901	1/2	151,461	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	132,540	3/4	142,100	3/4	151,661	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	132,739	7	142,299	7	151,860	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	132,938	1/4	142,499	1/4	152,059	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	133,137	1/2	142,698	1/2	152,258	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	133,336	3/4	142,897	3/4	152,457	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	133,536	8	143,096	8	152,657	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	133,735	1/4	143,295	1/4	152,856	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	133,934	1/2	143,494	1/2	153,055	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	134,133	3/4	143,694	3/4	153,254	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	134,332	9	143,893	9	153,453	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	134,532	1/4	144,092	1/4	153,652	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	134,731	1/2	144,291	1/2	153,852	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	134,930	3/4	144,490	3/4	154,051	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	135,129	10	144,689	10	154,250	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	135,328	1/4	144,889	1/4	154,449	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	135,527	1/2	145,088	1/2	154,648	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	135,727	3/4	145,287	3/4	154,847	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	135,926	11	145,486	11	155,047	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	136,125	1/4	145,685	1/4	155,246	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	136,324	1/2	145,885	1/2	155,445	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	136,523	3/4	146,084	3/4	155,644	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: 10/17/2013 CL  
CALCULATED: 10/17/2013 CL  
PRINTED: 10/18/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2013

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



# BARGE "IB 1946"

## 2 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	91	0	11,248	0	23,682	0	35,955	0	48,298	0	60,732	0	73,166	0	85,600	0	98,035	0	110,469
1/4	167	1/4	11,507	1/4	23,941	1/4	36,208	1/4	48,557	1/4	60,991	1/4	73,425	1/4	85,859	1/4	98,294	1/4	110,728
1/2	242	1/2	11,766	1/2	24,200	1/2	36,460	1/2	48,816	1/2	61,250	1/2	73,684	1/2	86,119	1/2	98,553	1/2	110,987
3/4	318	3/4	12,025	3/4	24,459	3/4	36,713	3/4	49,075	3/4	61,509	3/4	73,943	3/4	86,378	3/4	98,812	3/4	111,246
1	393	1	12,284	1	24,718	1	36,966	1	49,334	1	61,768	1	74,203	1	86,637	1	99,071	1	111,505
1/4	555	1/4	12,543	1/4	24,977	1/4	37,219	1/4	49,593	1/4	62,027	1/4	74,462	1/4	86,896	1/4	99,330	1/4	111,764
1/2	717	1/2	12,802	1/2	25,236	1/2	37,471	1/2	49,852	1/2	62,287	1/2	74,721	1/2	87,155	1/2	99,589	1/2	112,023
3/4	878	3/4	13,062	3/4	25,495	3/4	37,724	3/4	50,111	3/4	62,546	3/4	74,980	3/4	87,414	3/4	99,848	3/4	112,282
2	1,040	2	13,321	2	25,754	2	37,977	2	50,370	2	62,805	2	75,239	2	87,673	2	100,107	2	112,541
1/4	1,270	1/4	13,580	1/4	26,013	1/4	38,230	1/4	50,630	1/4	63,064	1/4	75,498	1/4	87,932	1/4	100,366	1/4	112,800
1/2	1,500	1/2	13,839	1/2	26,272	1/2	38,483	1/2	50,889	1/2	63,323	1/2	75,757	1/2	88,191	1/2	100,625	1/2	113,059
3/4	1,730	3/4	14,098	3/4	26,531	3/4	38,735	3/4	51,148	3/4	63,582	3/4	76,016	3/4	88,450	3/4	100,884	3/4	113,318
3	1,959	3	14,357	3	26,790	3	38,988	3	51,407	3	63,841	3	76,275	3	88,709	3	101,143	3	113,577
1/4	2,214	1/4	14,616	1/4	27,049	1/4	39,243	1/4	51,666	1/4	64,100	1/4	76,534	1/4	88,968	1/4	101,402	1/4	113,836
1/2	2,469	1/2	14,875	1/2	27,308	1/2	39,498	1/2	51,925	1/2	64,359	1/2	76,793	1/2	89,227	1/2	101,661	1/2	114,095
3/4	2,723	3/4	15,134	3/4	27,567	3/4	39,754	3/4	52,184	3/4	64,618	3/4	77,052	3/4	89,486	3/4	101,920	3/4	114,354
4	2,978	4	15,393	4	27,826	4	40,009	4	52,443	4	64,877	4	77,311	4	89,745	4	102,179	4	114,613
1/4	3,234	1/4	15,652	1/4	28,086	1/4	40,268	1/4	52,702	1/4	65,136	1/4	77,570	1/4	90,004	1/4	102,438	1/4	114,872
1/2	3,491	1/2	15,911	1/2	28,345	1/2	40,527	1/2	52,961	1/2	65,395	1/2	77,829	1/2	90,263	1/2	102,697	1/2	115,131
3/4	3,747	3/4	16,170	3/4	28,604	3/4	40,786	3/4	53,220	3/4	65,654	3/4	78,088	3/4	90,522	3/4	102,956	3/4	115,390
5	4,004	5	16,429	5	28,863	5	41,045	5	53,479	5	65,913	5	78,347	5	90,781	5	103,215	5	115,650
1/4	4,262	1/4	16,688	1/4	29,119	1/4	41,304	1/4	53,738	1/4	66,172	1/4	78,606	1/4	91,040	1/4	103,474	1/4	115,909
1/2	4,519	1/2	16,947	1/2	29,376	1/2	41,563	1/2	53,997	1/2	66,431	1/2	78,865	1/2	91,299	1/2	103,733	1/2	116,168
3/4	4,777	3/4	17,206	3/4	29,633	3/4	41,822	3/4	54,256	3/4	66,690	3/4	79,124	3/4	91,558	3/4	103,993	3/4	116,427
6	5,035	6	17,465	6	29,889	6	42,081	6	54,515	6	66,949	6	79,383	6	91,817	6	104,252	6	116,686
1/4	5,293	1/4	17,724	1/4	30,142	1/4	42,340	1/4	54,774	1/4	67,208	1/4	79,642	1/4	92,077	1/4	104,511	1/4	116,945
1/2	5,552	1/2	17,983	1/2	30,395	1/2	42,599	1/2	55,033	1/2	67,467	1/2	79,901	1/2	92,336	1/2	104,770	1/2	117,204
3/4	5,810	3/4	18,242	3/4	30,648	3/4	42,858	3/4	55,292	3/4	67,726	3/4	80,161	3/4	92,595	3/4	105,029	3/4	117,463
7	6,069	7	18,501	7	30,900	7	43,117	7	55,551	7	67,985	7	80,420	7	92,854	7	105,288	7	117,722
1/4	6,327	1/4	18,760	1/4	31,153	1/4	43,376	1/4	55,810	1/4	68,245	1/4	80,679	1/4	93,113	1/4	105,547	1/4	117,981
1/2	6,586	1/2	19,019	1/2	31,406	1/2	43,635	1/2	56,069	1/2	68,504	1/2	80,938	1/2	93,372	1/2	105,806	1/2	118,240
3/4	6,845	3/4	19,278	3/4	31,658	3/4	43,894	3/4	56,329	3/4	68,763	3/4	81,197	3/4	93,631	3/4	106,065	3/4	118,499
8	7,104	8	19,537	8	31,911	8	44,153	8	56,588	8	69,022	8	81,456	8	93,890	8	106,324	8	118,758
1/4	7,363	1/4	19,796	1/4	32,164	1/4	44,412	1/4	56,847	1/4	69,281	1/4	81,715	1/4	94,149	1/4	106,583	1/4	119,017
1/2	7,622	1/2	20,055	1/2	32,417	1/2	44,672	1/2	57,106	1/2	69,540	1/2	81,974	1/2	94,408	1/2	106,842	1/2	119,276
3/4	7,881	3/4	20,314	3/4	32,669	3/4	44,931	3/4	57,365	3/4	69,799	3/4	82,233	3/4	94,667	3/4	107,101	3/4	119,535
9	8,140	9	20,574	9	32,922	9	45,190	9	57,624	9	70,058	9	82,492	9	94,926	9	107,360	9	119,794
1/4	8,399	1/4	20,833	1/4	33,175	1/4	45,449	1/4	57,883	1/4	70,317	1/4	82,751	1/4	95,185	1/4	107,619	1/4	120,053
1/2	8,658	1/2	21,092	1/2	33,428	1/2	45,708	1/2	58,142	1/2	70,576	1/2	83,010	1/2	95,444	1/2	107,878	1/2	120,312
3/4	8,917	3/4	21,351	3/4	33,680	3/4	45,967	3/4	58,401	3/4	70,835	3/4	83,269	3/4	95,703	3/4	108,137	3/4	120,571
10	9,176	10	21,610	10	33,933	10	46,226	10	58,660	10	71,094	10	83,528	10	95,962	10	108,396	10	120,830
1/4	9,435	1/4	21,869	1/4	34,186	1/4	46,485	1/4	58,919	1/4	71,353	1/4	83,787	1/4	96,221	1/4	108,655	1/4	121,089
1/2	9,694	1/2	22,128	1/2	34,439	1/2	46,744	1/2	59,178	1/2	71,612	1/2	84,046	1/2	96,480	1/2	108,914	1/2	121,348
3/4	9,953	3/4	22,387	3/4	34,691	3/4	47,003	3/4	59,437	3/4	71,871	3/4	84,305	3/4	96,739	3/4	109,173	3/4	121,608
11	10,212	11	22,646	11	34,944	11	47,262	11	59,696	11	72,130	11	84,564	11	96,998	11	109,432	11	121,867
1/4	10,471	1/4	22,905	1/4	35,197	1/4	47,521	1/4	59,955	1/4	72,389	1/4	84,823	1/4	97,257	1/4	109,692	1/4	122,126
1/2	10,730	1/2	23,164	1/2	35,450	1/2	47,780	1/2	60,214	1/2	72,648	1/2	85,082	1/2	97,516	1/2	109,951	1/2	122,385
3/4	10,989	3/4	23,423	3/4	35,702	3/4	48,039	3/4	60,473	3/4	72,907	3/4	85,341	3/4	97,775	3/4	110,210	3/4	122,644

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 1946"

## 2 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	122,903	0	135,337	0	147,771	0	160,205	0		0		0		0		0		0	
1/4	123,162	1/4	135,596	1/4	148,030	1/4	160,464	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	123,421	1/2	135,855	1/2	148,289	1/2	160,723	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	123,680	3/4	136,114	3/4	148,548	3/4	160,982	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	123,939	1	136,373	1	148,807	1	161,241	1	1	1	1	1	1	1	1	1	1	1	1
1/4	124,198	1/4	136,632	1/4	149,066	1/4	161,499	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	124,457	1/2	136,891	1/2	149,325	1/2	161,758	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	124,716	3/4	137,150	3/4	149,584	3/4	162,016	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	124,975	2	137,409	2	149,843	2	162,275	2	2	2	2	2	2	2	2	2	2	2	2
1/4	125,234	1/4	137,668	1/4	150,102	1/4	162,528	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	125,493	1/2	137,927	1/2	150,361	1/2	162,782	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	125,752	3/4	138,186	3/4	150,620	3/4	163,036	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	126,011	3	138,445	3	150,879	3	163,290	3	3	3	3	3	3	3	3	3	3	3	3
1/4	126,270	1/4	138,704	1/4	151,138	1/4	163,509	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	126,529	1/2	138,963	1/2	151,398	1/2	163,728	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	126,788	3/4	139,222	3/4	151,657	3/4	163,947	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	127,047	4	139,482	4	151,916	4	164,166	4	4	4	4	4	4	4	4	4	4	4	4
1/4	127,306	1/4	139,741	1/4	152,175	1/4	164,306	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	127,566	1/2	140,000	1/2	152,434	1/2	164,446	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	127,825	3/4	140,259	3/4	152,693	3/4	164,587	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	128,084	5	140,518	5	152,952	5	164,727	5	5	5	5	5	5	5	5	5	5	5	5
1/4	128,343	1/4	140,777	1/4	153,211	1/4	164,789	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	128,602	1/2	141,036	1/2	153,470	1/2	164,851	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	128,861	3/4	141,295	3/4	153,729	3/4	164,913	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	129,120	6	141,554	6	153,988	6	164,975	6	6	6	6	6	6	6	6	6	6	6	6
1/4	129,379	1/4	141,813	1/4	154,247	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	129,638	1/2	142,072	1/2	154,506	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	129,897	3/4	142,331	3/4	154,765	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	130,156	7	142,590	7	155,024	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	130,415	1/4	142,849	1/4	155,283	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	130,674	1/2	143,108	1/2	155,542	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	130,933	3/4	143,367	3/4	155,801	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	131,192	8	143,626	8	156,060	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	131,451	1/4	143,885	1/4	156,319	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	131,710	1/2	144,144	1/2	156,578	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	131,969	3/4	144,403	3/4	156,837	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	132,228	9	144,662	9	157,097	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	132,487	1/4	144,921	1/4	157,356	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	132,746	1/2	145,180	1/2	157,615	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	133,005	3/4	145,440	3/4	157,874	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	133,264	10	145,699	10	158,133	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	133,524	1/4	145,958	1/4	158,392	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	133,783	1/2	146,217	1/2	158,651	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	134,042	3/4	146,476	3/4	158,910	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	134,301	11	146,735	11	159,169	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	134,560	1/4	146,994	1/4	159,428	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	134,819	1/2	147,253	1/2	159,687	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	135,078	3/4	147,512	3/4	159,946	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.

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PRINTED: 10/18/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2013

PRECISION MEASUREMENT  
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# BARGE "IB 1946"

## 3 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	11,178	0	23,533	0	35,877	0	48,227	0	60,582	0	72,938	0	85,294	0	97,650	0	110,006
1/4	166	1/4	11,435	1/4	23,790	1/4	36,134	1/4	48,484	1/4	60,840	1/4	73,196	1/4	85,551	1/4	97,907	1/4	110,263
1/2	241	1/2	11,692	1/2	24,048	1/2	36,391	1/2	48,741	1/2	61,097	1/2	73,453	1/2	85,809	1/2	98,165	1/2	110,520
3/4	316	3/4	11,950	3/4	24,305	3/4	36,648	3/4	48,999	3/4	61,355	3/4	73,710	3/4	86,066	3/4	98,422	3/4	110,778
1	391	1	12,207	1	24,563	1	36,905	1	49,256	1	61,612	1	73,968	1	86,324	1	98,679	1	111,035
1/4	552	1/4	12,465	1/4	24,820	1/4	37,162	1/4	49,514	1/4	61,869	1/4	74,225	1/4	86,581	1/4	98,937	1/4	111,293
1/2	712	1/2	12,722	1/2	25,077	1/2	37,419	1/2	49,771	1/2	62,127	1/2	74,483	1/2	86,838	1/2	99,194	1/2	111,550
3/4	873	3/4	12,979	3/4	25,335	3/4	37,676	3/4	50,029	3/4	62,384	3/4	74,740	3/4	87,096	3/4	99,452	3/4	111,807
2	1,034	2	13,237	2	25,592	2	37,933	2	50,286	2	62,642	2	74,997	2	87,353	2	99,709	2	112,065
1/4	1,262	1/4	13,494	1/4	25,850	1/4	38,190	1/4	50,543	1/4	62,899	1/4	75,255	1/4	87,611	1/4	99,966	1/4	112,322
1/2	1,491	1/2	13,752	1/2	26,107	1/2	38,447	1/2	50,801	1/2	63,157	1/2	75,512	1/2	87,868	1/2	100,224	1/2	112,580
3/4	1,719	3/4	14,009	3/4	26,364	3/4	38,704	3/4	51,058	3/4	63,414	3/4	75,770	3/4	88,126	3/4	100,481	3/4	112,837
3	1,947	3	14,266	3	26,622	3	38,961	3	51,316	3	63,671	3	76,027	3	88,383	3	100,739	3	113,095
1/4	2,200	1/4	14,524	1/4	26,879	1/4	39,218	1/4	51,573	1/4	63,929	1/4	76,285	1/4	88,640	1/4	100,996	1/4	113,352
1/2	2,453	1/2	14,781	1/2	27,137	1/2	39,475	1/2	51,830	1/2	64,186	1/2	76,542	1/2	88,898	1/2	101,254	1/2	113,609
3/4	2,706	3/4	15,039	3/4	27,394	3/4	39,732	3/4	52,088	3/4	64,444	3/4	76,799	3/4	89,155	3/4	101,511	3/4	113,867
4	2,959	4	15,296	4	27,651	4	39,989	4	52,345	4	64,701	4	77,057	4	89,413	4	101,768	4	114,124
1/4	3,214	1/4	15,553	1/4	27,909	1/4	40,247	1/4	52,603	1/4	64,958	1/4	77,314	1/4	89,670	1/4	102,026	1/4	114,382
1/2	3,469	1/2	15,811	1/2	28,166	1/2	40,504	1/2	52,860	1/2	65,216	1/2	77,572	1/2	89,927	1/2	102,283	1/2	114,639
3/4	3,724	3/4	16,068	3/4	28,424	3/4	40,762	3/4	53,117	3/4	65,473	3/4	77,829	3/4	90,185	3/4	102,541	3/4	114,896
5	3,979	5	16,326	5	28,681	5	41,019	5	53,375	5	65,731	5	78,086	5	90,442	5	102,798	5	115,154
1/4	4,235	1/4	16,583	1/4	28,938	1/4	41,277	1/4	53,632	1/4	65,988	1/4	78,344	1/4	90,700	1/4	103,055	1/4	115,411
1/2	4,491	1/2	16,840	1/2	29,195	1/2	41,534	1/2	53,890	1/2	66,245	1/2	78,601	1/2	90,957	1/2	103,313	1/2	115,669
3/4	4,747	3/4	17,098	3/4	29,453	3/4	41,791	3/4	54,147	3/4	66,503	3/4	78,859	3/4	91,214	3/4	103,570	3/4	115,926
6	5,003	6	17,355	6	29,710	6	42,049	6	54,405	6	66,760	6	79,116	6	91,472	6	103,828	6	116,183
1/4	5,260	1/4	17,613	1/4	29,967	1/4	42,306	1/4	54,662	1/4	67,018	1/4	79,374	1/4	91,729	1/4	104,085	1/4	116,441
1/2	5,517	1/2	17,870	1/2	30,224	1/2	42,564	1/2	54,919	1/2	67,275	1/2	79,631	1/2	91,987	1/2	104,342	1/2	116,698
3/4	5,774	3/4	18,127	3/4	30,481	3/4	42,821	3/4	55,177	3/4	67,533	3/4	79,888	3/4	92,244	3/4	104,600	3/4	116,956
7	6,030	7	18,385	7	30,738	7	43,078	7	55,434	7	67,790	7	80,146	7	92,502	7	104,857	7	117,213
1/4	6,288	1/4	18,642	1/4	30,995	1/4	43,336	1/4	55,692	1/4	68,047	1/4	80,403	1/4	92,759	1/4	105,115	1/4	117,471
1/2	6,545	1/2	18,900	1/2	31,252	1/2	43,593	1/2	55,949	1/2	68,305	1/2	80,661	1/2	93,016	1/2	105,372	1/2	117,728
3/4	6,802	3/4	19,157	3/4	31,509	3/4	43,851	3/4	56,206	3/4	68,562	3/4	80,918	3/4	93,274	3/4	105,630	3/4	117,985
8	7,059	8	19,415	8	31,766	8	44,108	8	56,464	8	68,820	8	81,175	8	93,531	8	105,887	8	118,243
1/4	7,317	1/4	19,672	1/4	32,023	1/4	44,365	1/4	56,721	1/4	69,077	1/4	81,433	1/4	93,789	1/4	106,144	1/4	118,500
1/2	7,574	1/2	19,929	1/2	32,280	1/2	44,623	1/2	56,979	1/2	69,334	1/2	81,690	1/2	94,046	1/2	106,402	1/2	118,758
3/4	7,831	3/4	20,187	3/4	32,536	3/4	44,880	3/4	57,236	3/4	69,592	3/4	81,948	3/4	94,303	3/4	106,659	3/4	119,015
9	8,089	9	20,444	9	32,793	9	45,138	9	57,493	9	69,849	9	82,205	9	94,561	9	106,917	9	119,272
1/4	8,346	1/4	20,702	1/4	33,050	1/4	45,395	1/4	57,751	1/4	70,107	1/4	82,462	1/4	94,818	1/4	107,174	1/4	119,530
1/2	8,604	1/2	20,959	1/2	33,307	1/2	45,653	1/2	58,008	1/2	70,364	1/2	82,720	1/2	95,076	1/2	107,431	1/2	119,787
3/4	8,861	3/4	21,216	3/4	33,564	3/4	45,910	3/4	58,266	3/4	70,621	3/4	82,977	3/4	95,333	3/4	107,689	3/4	120,045
10	9,118	10	21,474	10	33,821	10	46,167	10	58,523	10	70,879	10	83,235	10	95,590	10	107,946	10	120,302
1/4	9,376	1/4	21,731	1/4	34,078	1/4	46,425	1/4	58,781	1/4	71,136	1/4	83,492	1/4	95,848	1/4	108,204	1/4	120,559
1/2	9,633	1/2	21,989	1/2	34,335	1/2	46,682	1/2	59,038	1/2	71,394	1/2	83,750	1/2	96,105	1/2	108,461	1/2	120,817
3/4	9,891	3/4	22,246	3/4	34,592	3/4	46,940	3/4	59,295	3/4	71,651	3/4	84,007	3/4	96,363	3/4	108,718	3/4	121,074
11	10,148	11	22,503	11	34,849	11	47,197	11	59,553	11	71,909	11	84,264	11	96,620	11	108,976	11	121,332
1/4	10,405	1/4	22,761	1/4	35,106	1/4	47,454	1/4	59,810	1/4	72,166	1/4	84,522	1/4	96,878	1/4	109,233	1/4	121,589
1/2	10,663	1/2	23,018	1/2	35,363	1/2	47,712	1/2	60,068	1/2	72,423	1/2	84,779	1/2	97,135	1/2	109,491	1/2	121,847
3/4	10,920	3/4	23,276	3/4	35,620	3/4	47,969	3/4	60,325	3/4	72,681	3/4	85,037	3/4	97,392	3/4	109,748	3/4	122,104

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 1946"

## 3 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	122,361	0	134,717	0	147,073	0	159,429	0		0		0		0		0		0	
1/4	122,619	1/4	134,975	1/4	147,330	1/4	159,686	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	122,876	1/2	135,232	1/2	147,588	1/2	159,943	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	123,134	3/4	135,489	3/4	147,845	3/4	160,201	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	123,391	1	135,747	1	148,103	1	160,458	1	1	1	1	1	1	1	1	1	1	1	1
1/4	123,648	1/4	136,004	1/4	148,360	1/4	160,715	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	123,906	1/2	136,262	1/2	148,617	1/2	160,972	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	124,163	3/4	136,519	3/4	148,875	3/4	161,228	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	124,421	2	136,776	2	149,132	2	161,485	2	2	2	2	2	2	2	2	2	2	2	2
1/4	124,678	1/4	137,034	1/4	149,390	1/4	161,737	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	124,935	1/2	137,291	1/2	149,647	1/2	161,989	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	125,193	3/4	137,549	3/4	149,904	3/4	162,242	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	125,450	3	137,806	3	150,162	3	162,494	3	3	3	3	3	3	3	3	3	3	3	3
1/4	125,708	1/4	138,063	1/4	150,419	1/4	162,711	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	125,965	1/2	138,321	1/2	150,677	1/2	162,929	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	126,223	3/4	138,578	3/4	150,934	3/4	163,147	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	126,480	4	138,836	4	151,192	4	163,364	4	4	4	4	4	4	4	4	4	4	4	4
1/4	126,737	1/4	139,093	1/4	151,449	1/4	163,504	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	126,995	1/2	139,351	1/2	151,706	1/2	163,643	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	127,252	3/4	139,608	3/4	151,964	3/4	163,783	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	127,510	5	139,865	5	152,221	5	163,922	5	5	5	5	5	5	5	5	5	5	5	5
1/4	127,767	1/4	140,123	1/4	152,479	1/4	163,984	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	128,024	1/2	140,380	1/2	152,736	1/2	164,045	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	128,282	3/4	140,638	3/4	152,993	3/4	164,107	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	128,539	6	140,895	6	153,251	6	164,169	6	6	6	6	6	6	6	6	6	6	6	6
1/4	128,797	1/4	141,152	1/4	153,508	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	129,054	1/2	141,410	1/2	153,766	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	129,311	3/4	141,667	3/4	154,023	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	129,569	7	141,925	7	154,280	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	129,826	1/4	142,182	1/4	154,538	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	130,084	1/2	142,439	1/2	154,795	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	130,341	3/4	142,697	3/4	155,053	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	130,599	8	142,954	8	155,310	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	130,856	1/4	143,212	1/4	155,568	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	131,113	1/2	143,469	1/2	155,825	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	131,371	3/4	143,727	3/4	156,082	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	131,628	9	143,984	9	156,340	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	131,886	1/4	144,241	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	132,143	1/2	144,499	1/2	156,855	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	132,400	3/4	144,756	3/4	157,112	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	132,658	10	145,014	10	157,369	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	132,915	1/4	145,271	1/4	157,627	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	133,173	1/2	145,528	1/2	157,884	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	133,430	3/4	145,786	3/4	158,142	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	133,687	11	146,043	11	158,399	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	133,945	1/4	146,301	1/4	158,656	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	134,202	1/2	146,558	1/2	158,914	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	134,460	3/4	146,816	3/4	159,171	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: 10/17/2013 CL  
CALCULATED: 10/17/2013 CL  
PRINTED: 10/18/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2013

PRECISION MEASUREMENT  
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