



# BARGE "IB 1941"

## 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	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 CENTER	- 00-1/8	00-1/8	- 00-1/8	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	- 00-1/8	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"

September 27, 2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
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<http://www.pmacorp.net>



# BARGE "IB 1941"

## 1 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	94	0	11,682	0	24,579	0	37,315	0	50,115	0	63,006	0	75,879	0	88,777	0	101,673	0	114,570
1/4	172	1/4	11,951	1/4	24,848	1/4	37,577	1/4	50,384	1/4	63,274	1/4	76,148	1/4	89,045	1/4	101,942	1/4	114,839
1/2	251	1/2	12,219	1/2	25,117	1/2	37,839	1/2	50,652	1/2	63,542	1/2	76,417	1/2	89,314	1/2	102,211	1/2	115,107
3/4	329	3/4	12,488	3/4	25,386	3/4	38,102	3/4	50,921	3/4	63,810	3/4	76,686	3/4	89,583	3/4	102,479	3/4	115,376
1	408	1	12,757	1	25,654	1	38,364	1	51,190	1	64,078	1	76,954	1	89,851	1	102,748	1	115,645
1/4	576	1/4	13,025	1/4	25,923	1/4	38,626	1/4	51,458	1/4	64,346	1/4	77,223	1/4	90,120	1/4	103,017	1/4	115,913
1/2	744	1/2	13,294	1/2	26,192	1/2	38,889	1/2	51,727	1/2	64,614	1/2	77,492	1/2	90,389	1/2	103,285	1/2	116,182
3/4	912	3/4	13,563	3/4	26,460	3/4	39,151	3/4	51,995	3/4	64,882	3/4	77,760	3/4	90,657	3/4	103,554	3/4	116,451
2	1,080	2	13,832	2	26,729	2	39,413	2	52,264	2	65,150	2	78,029	2	90,926	2	103,823	2	116,719
1/4	1,319	1/4	14,100	1/4	26,998	1/4	39,676	1/4	52,532	1/4	65,418	1/4	78,298	1/4	91,195	1/4	104,091	1/4	116,988
1/2	1,558	1/2	14,369	1/2	27,266	1/2	39,938	1/2	52,801	1/2	65,686	1/2	78,566	1/2	91,463	1/2	104,360	1/2	117,257
3/4	1,797	3/4	14,638	3/4	27,535	3/4	40,200	3/4	53,069	3/4	65,954	3/4	78,835	3/4	91,732	3/4	104,629	3/4	117,525
3	2,035	3	14,906	3	27,804	3	40,463	3	53,338	3	66,223	3	79,104	3	92,001	3	104,897	3	117,794
1/4	2,300	1/4	15,175	1/4	28,073	1/4	40,727	1/4	53,607	1/4	66,491	1/4	79,372	1/4	92,270	1/4	105,166	1/4	118,063
1/2	2,565	1/2	15,444	1/2	28,341	1/2	40,992	1/2	53,875	1/2	66,759	1/2	79,641	1/2	92,538	1/2	105,435	1/2	118,331
3/4	2,829	3/4	15,712	3/4	28,610	3/4	41,257	3/4	54,144	3/4	67,027	3/4	79,910	3/4	92,807	3/4	105,703	3/4	118,600
4	3,094	4	15,981	4	28,879	4	41,521	4	54,412	4	67,295	4	80,179	4	93,076	4	105,972	4	118,869
1/4	3,360	1/4	16,250	1/4	29,147	1/4	41,790	1/4	54,681	1/4	67,563	1/4	80,447	1/4	93,344	1/4	106,241	1/4	119,138
1/2	3,627	1/2	16,519	1/2	29,416	1/2	42,059	1/2	54,949	1/2	67,831	1/2	80,716	1/2	93,613	1/2	106,509	1/2	119,406
3/4	3,893	3/4	16,787	3/4	29,685	3/4	42,327	3/4	55,218	3/4	68,099	3/4	80,985	3/4	93,882	3/4	106,778	3/4	119,675
5	4,160	5	17,056	5	29,953	5	42,596	5	55,487	5	68,367	5	81,253	5	94,150	5	107,047	5	119,944
1/4	4,428	1/4	17,325	1/4	30,220	1/4	42,864	1/4	55,755	1/4	68,635	1/4	81,522	1/4	94,419	1/4	107,315	1/4	120,212
1/2	4,696	1/2	17,593	1/2	30,486	1/2	43,133	1/2	56,024	1/2	68,903	1/2	81,791	1/2	94,688	1/2	107,584	1/2	120,481
3/4	4,964	3/4	17,862	3/4	30,752	3/4	43,401	3/4	56,292	3/4	69,172	3/4	82,059	3/4	94,956	3/4	107,853	3/4	120,750
6	5,231	6	18,131	6	31,019	6	43,670	6	56,561	6	69,440	6	82,328	6	95,225	6	108,121	6	121,018
1/4	5,500	1/4	18,399	1/4	31,281	1/4	43,938	1/4	56,829	1/4	69,708	1/4	82,597	1/4	95,494	1/4	108,390	1/4	121,287
1/2	5,768	1/2	18,668	1/2	31,543	1/2	44,207	1/2	57,098	1/2	69,976	1/2	82,865	1/2	95,762	1/2	108,659	1/2	121,556
3/4	6,037	3/4	18,937	3/4	31,806	3/4	44,476	3/4	57,366	3/4	70,244	3/4	83,134	3/4	96,031	3/4	108,927	3/4	121,824
7	6,305	7	19,205	7	32,068	7	44,744	7	57,635	7	70,512	7	83,403	7	96,300	7	109,196	7	122,093
1/4	6,574	1/4	19,474	1/4	32,330	1/4	45,013	1/4	57,904	1/4	70,780	1/4	83,671	1/4	96,569	1/4	109,465	1/4	122,362
1/2	6,843	1/2	19,743	1/2	32,593	1/2	45,281	1/2	58,172	1/2	71,048	1/2	83,940	1/2	96,837	1/2	109,733	1/2	122,630
3/4	7,112	3/4	20,012	3/4	32,855	3/4	45,550	3/4	58,441	3/4	71,316	3/4	84,209	3/4	97,106	3/4	110,002	3/4	122,899
8	7,380	8	20,280	8	33,117	8	45,818	8	58,709	8	71,584	8	84,478	8	97,375	8	110,271	8	123,168
1/4	7,649	1/4	20,549	1/4	33,380	1/4	46,087	1/4	58,978	1/4	71,852	1/4	84,746	1/4	97,643	1/4	110,539	1/4	123,437
1/2	7,918	1/2	20,818	1/2	33,642	1/2	46,355	1/2	59,246	1/2	72,121	1/2	85,015	1/2	97,912	1/2	110,808	1/2	123,705
3/4	8,187	3/4	21,086	3/4	33,904	3/4	46,624	3/4	59,515	3/4	72,389	3/4	85,284	3/4	98,181	3/4	111,077	3/4	123,974
9	8,456	9	21,355	9	34,167	9	46,893	9	59,783	9	72,657	9	85,552	9	98,449	9	111,346	9	124,243
1/4	8,725	1/4	21,624	1/4	34,429	1/4	47,161	1/4	60,052	1/4	72,925	1/4	85,821	1/4	98,718	1/4	111,614	1/4	124,485
1/2	8,994	1/2	21,892	1/2	34,691	1/2	47,430	1/2	60,321	1/2	73,193	1/2	86,090	1/2	98,987	1/2	111,883	1/2	124,727
3/4	9,263	3/4	22,161	3/4	34,954	3/4	47,698	3/4	60,589	3/4	73,462	3/4	86,358	3/4	99,255	3/4	112,152	3/4	124,969
10	9,532	10	22,430	10	35,216	10	47,967	10	60,858	10	73,730	10	86,627	10	99,524	10	112,420	10	125,212
1/4	9,800	1/4	22,699	1/4	35,478	1/4	48,235	1/4	61,126	1/4	73,999	1/4	86,896	1/4	99,793	1/4	112,689	1/4	125,410
1/2	10,069	1/2	22,967	1/2	35,741	1/2	48,504	1/2	61,395	1/2	74,267	1/2	87,164	1/2	100,061	1/2	112,958	1/2	125,608
3/4	10,338	3/4	23,236	3/4	36,003	3/4	48,773	3/4	61,663	3/4	74,536	3/4	87,433	3/4	100,330	3/4	113,226	3/4	125,806
11	10,607	11	23,505	11	36,265	11	49,041	11	61,932	11	74,805	11	87,702	11	100,599	11	113,495	11	126,005
1/4	10,876	1/4	23,773	1/4	36,528	1/4	49,310	1/4	62,200	1/4	75,073	1/4	87,970	1/4	100,867	1/4	113,764	1/4	126,203
1/2	11,144	1/2	24,042	1/2	36,790	1/2	49,578	1/2	62,469	1/2	75,342	1/2	88,239	1/2	101,136	1/2	114,032	1/2	126,402
3/4	11,413	3/4	24,311	3/4	37,052	3/4	49,847	3/4	62,737	3/4	75,611	3/4	88,508	3/4	101,405	3/4	114,301	3/4	126,600

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 31'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "IB 1941"

## 1 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	126,799	0	136,332	0	145,865	0	155,399	0		0		0		0		0		0	
1/4	126,998	1/4	136,531	1/4	146,064	1/4	155,597	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	127,196	1/2	136,729	1/2	146,263	1/2	155,796	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	127,395	3/4	136,928	3/4	146,461	3/4	155,994	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	127,594	1	137,127	1	146,660	1	156,193	1	1	1	1	1	1	1	1	1	1	1	1
1/4	127,792	1/4	137,325	1/4	146,858	1/4	156,391	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	127,991	1/2	137,524	1/2	147,057	1/2	156,589	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	128,189	3/4	137,723	3/4	147,256	3/4	156,787	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	128,388	2	137,921	2	147,454	2	156,985	2	2	2	2	2	2	2	2	2	2	2	2
1/4	128,587	1/4	138,120	1/4	147,653	1/4	157,178	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	128,785	1/2	138,318	1/2	147,851	1/2	157,371	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	128,984	3/4	138,517	3/4	148,050	3/4	157,564	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	129,182	3	138,716	3	148,249	3	157,757	3	3	3	3	3	3	3	3	3	3	3	3
1/4	129,381	1/4	138,914	1/4	148,447	1/4	157,914	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	129,580	1/2	139,113	1/2	148,646	1/2	158,071	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	129,778	3/4	139,311	3/4	148,845	3/4	158,228	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	129,977	4	139,510	4	149,043	4	158,385	4	4	4	4	4	4	4	4	4	4	4	4
1/4	130,175	1/4	139,709	1/4	149,242	1/4	158,460	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	130,374	1/2	139,907	1/2	149,440	1/2	158,535	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	130,573	3/4	140,106	3/4	149,639	3/4	158,611	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	130,771	5	140,304	5	149,838	5	158,686	5	5	5	5	5	5	5	5	5	5	5	5
1/4	130,970	1/4	140,503	1/4	150,036	1/4	158,706	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	131,168	1/2	140,702	1/2	150,235	1/2	158,727	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	131,367	3/4	140,900	3/4	150,433	3/4	158,747	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	131,566	6	141,099	6	150,632	6	158,767	6	6	6	6	6	6	6	6	6	6	6	6
1/4	131,764	1/4	141,297	1/4	150,831	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	131,963	1/2	141,496	1/2	151,029	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	132,161	3/4	141,695	3/4	151,228	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	132,360	7	141,893	7	151,426	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	132,559	1/4	142,092	1/4	151,625	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	132,757	1/2	142,290	1/2	151,824	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	132,956	3/4	142,489	3/4	152,022	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	133,155	8	142,688	8	152,221	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	133,353	1/4	142,886	1/4	152,419	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	133,552	1/2	143,085	1/2	152,618	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	133,750	3/4	143,284	3/4	152,817	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	133,949	9	143,482	9	153,015	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	134,148	1/4	143,681	1/4	153,214	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	134,346	1/2	143,879	1/2	153,412	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	134,545	3/4	144,078	3/4	153,611	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	134,743	10	144,277	10	153,810	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	134,942	1/4	144,475	1/4	154,008	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	135,141	1/2	144,674	1/2	154,207	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	135,339	3/4	144,872	3/4	154,406	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	135,538	11	145,071	11	154,604	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	135,736	1/4	145,270	1/4	154,803	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	135,935	1/2	145,468	1/2	155,001	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	136,134	3/4	145,667	3/4	155,200	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: 09/26/2013 SW  
CALCULATED: 09/27/2013 CL  
PRINTED: 09/27/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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



# BARGE "IB 1941"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05"

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	11,256	0	23,699	0	35,980	0	48,332	0	60,775	0	73,218	0	85,660	0	98,103	0	110,546
1/4	167	1/4	11,515	1/4	23,958	1/4	36,233	1/4	48,591	1/4	61,034	1/4	73,477	1/4	85,920	1/4	98,362	1/4	110,805
1/2	242	1/2	11,775	1/2	24,217	1/2	36,486	1/2	48,850	1/2	61,293	1/2	73,736	1/2	86,179	1/2	98,622	1/2	111,064
3/4	318	3/4	12,034	3/4	24,476	3/4	36,739	3/4	49,110	3/4	61,552	3/4	73,995	3/4	86,438	3/4	98,881	3/4	111,324
1	393	1	12,293	1	24,735	1	36,992	1	49,369	1	61,812	1	74,254	1	86,697	1	99,140	1	111,583
1/4	555	1/4	12,552	1/4	24,995	1/4	37,245	1/4	49,628	1/4	62,071	1/4	74,514	1/4	86,956	1/4	99,399	1/4	111,842
1/2	717	1/2	12,811	1/2	25,254	1/2	37,498	1/2	49,887	1/2	62,330	1/2	74,773	1/2	87,216	1/2	99,658	1/2	112,101
3/4	879	3/4	13,071	3/4	25,513	3/4	37,751	3/4	50,147	3/4	62,589	3/4	75,032	3/4	87,475	3/4	99,918	3/4	112,360
2	1,041	2	13,330	2	25,772	2	38,004	2	50,406	2	62,849	2	75,291	2	87,734	2	100,177	2	112,620
1/4	1,271	1/4	13,589	1/4	26,031	1/4	38,257	1/4	50,665	1/4	63,108	1/4	75,551	1/4	87,993	1/4	100,436	1/4	112,879
1/2	1,501	1/2	13,848	1/2	26,291	1/2	38,510	1/2	50,924	1/2	63,367	1/2	75,810	1/2	88,253	1/2	100,695	1/2	113,138
3/4	1,731	3/4	14,108	3/4	26,550	3/4	38,763	3/4	51,183	3/4	63,626	3/4	76,069	3/4	88,512	3/4	100,955	3/4	113,397
3	1,961	3	14,367	3	26,809	3	39,015	3	51,443	3	63,885	3	76,328	3	88,771	3	101,214	3	113,657
1/4	2,216	1/4	14,626	1/4	27,068	1/4	39,271	1/4	51,702	1/4	64,145	1/4	76,587	1/4	89,030	1/4	101,473	1/4	113,916
1/2	2,470	1/2	14,885	1/2	27,328	1/2	39,526	1/2	51,961	1/2	64,404	1/2	76,847	1/2	89,289	1/2	101,732	1/2	114,175
3/4	2,725	3/4	15,144	3/4	27,587	3/4	39,781	3/4	52,220	3/4	64,663	3/4	77,106	3/4	89,549	3/4	101,992	3/4	114,434
4	2,980	4	15,404	4	27,846	4	40,037	4	52,480	4	64,922	4	77,365	4	89,808	4	102,251	4	114,694
1/4	3,237	1/4	15,663	1/4	28,105	1/4	40,296	1/4	52,739	1/4	65,182	1/4	77,624	1/4	90,067	1/4	102,510	1/4	114,953
1/2	3,493	1/2	15,922	1/2	28,364	1/2	40,555	1/2	52,998	1/2	65,441	1/2	77,884	1/2	90,326	1/2	102,769	1/2	115,212
3/4	3,750	3/4	16,181	3/4	28,624	3/4	40,814	3/4	53,257	3/4	65,700	3/4	78,143	3/4	90,586	3/4	103,028	3/4	115,471
5	4,007	5	16,440	5	28,883	5	41,074	5	53,516	5	65,959	5	78,402	5	90,845	5	103,288	5	115,730
1/4	4,265	1/4	16,700	1/4	29,140	1/4	41,333	1/4	53,776	1/4	66,218	1/4	78,661	1/4	91,104	1/4	103,547	1/4	115,990
1/2	4,523	1/2	16,959	1/2	29,397	1/2	41,592	1/2	54,035	1/2	66,478	1/2	78,920	1/2	91,363	1/2	103,806	1/2	116,249
3/4	4,780	3/4	17,218	3/4	29,653	3/4	41,851	3/4	54,294	3/4	66,737	3/4	79,180	3/4	91,623	3/4	104,065	3/4	116,508
6	5,038	6	17,477	6	29,910	6	42,111	6	54,553	6	66,996	6	79,439	6	91,882	6	104,325	6	116,767
1/4	5,297	1/4	17,737	1/4	30,163	1/4	42,370	1/4	54,813	1/4	67,255	1/4	79,698	1/4	92,141	1/4	104,584	1/4	117,027
1/2	5,556	1/2	17,996	1/2	30,416	1/2	42,629	1/2	55,072	1/2	67,515	1/2	79,957	1/2	92,400	1/2	104,843	1/2	117,286
3/4	5,814	3/4	18,255	3/4	30,669	3/4	42,888	3/4	55,331	3/4	67,774	3/4	80,217	3/4	92,659	3/4	105,102	3/4	117,545
7	6,073	7	18,514	7	30,922	7	43,147	7	55,590	7	68,033	7	80,476	7	92,919	7	105,361	7	117,804
1/4	6,332	1/4	18,773	1/4	31,175	1/4	43,407	1/4	55,849	1/4	68,292	1/4	80,735	1/4	93,178	1/4	105,621	1/4	118,063
1/2	6,591	1/2	19,033	1/2	31,428	1/2	43,666	1/2	56,109	1/2	68,551	1/2	80,994	1/2	93,437	1/2	105,880	1/2	118,323
3/4	6,850	3/4	19,292	3/4	31,681	3/4	43,925	3/4	56,368	3/4	68,811	3/4	81,254	3/4	93,696	3/4	106,139	3/4	118,582
8	7,109	8	19,551	8	31,934	8	44,184	8	56,627	8	69,070	8	81,513	8	93,956	8	106,398	8	118,841
1/4	7,368	1/4	19,810	1/4	32,186	1/4	44,444	1/4	56,886	1/4	69,329	1/4	81,772	1/4	94,215	1/4	106,658	1/4	119,100
1/2	7,627	1/2	20,069	1/2	32,439	1/2	44,703	1/2	57,146	1/2	69,588	1/2	82,031	1/2	94,474	1/2	106,917	1/2	119,360
3/4	7,886	3/4	20,329	3/4	32,692	3/4	44,962	3/4	57,405	3/4	69,848	3/4	82,290	3/4	94,733	3/4	107,176	3/4	119,619
9	8,146	9	20,588	9	32,945	9	45,221	9	57,664	9	70,107	9	82,550	9	94,992	9	107,435	9	119,878
1/4	8,405	1/4	20,847	1/4	33,198	1/4	45,480	1/4	57,923	1/4	70,366	1/4	82,809	1/4	95,252	1/4	107,694	1/4	120,137
1/2	8,664	1/2	21,106	1/2	33,451	1/2	45,740	1/2	58,182	1/2	70,625	1/2	83,068	1/2	95,511	1/2	107,954	1/2	120,396
3/4	8,923	3/4	21,366	3/4	33,704	3/4	45,999	3/4	58,442	3/4	70,885	3/4	83,327	3/4	95,770	3/4	108,213	3/4	120,656
10	9,182	10	21,625	10	33,957	10	46,258	10	58,701	10	71,144	10	83,587	10	96,029	10	108,472	10	120,915
1/4	9,442	1/4	21,884	1/4	34,210	1/4	46,517	1/4	58,960	1/4	71,403	1/4	83,846	1/4	96,289	1/4	108,731	1/4	121,174
1/2	9,701	1/2	22,143	1/2	34,463	1/2	46,777	1/2	59,219	1/2	71,662	1/2	84,105	1/2	96,548	1/2	108,991	1/2	121,433
3/4	9,960	3/4	22,402	3/4	34,716	3/4	47,036	3/4	59,479	3/4	71,921	3/4	84,364	3/4	96,807	3/4	109,250	3/4	121,693
11	10,219	11	22,662	11	34,969	11	47,295	11	59,738	11	72,181	11	84,623	11	97,066	11	109,509	11	121,952
1/4	10,478	1/4	22,921	1/4	35,221	1/4	47,554	1/4	59,997	1/4	72,440	1/4	84,883	1/4	97,325	1/4	109,768	1/4	122,211
1/2	10,738	1/2	23,180	1/2	35,474	1/2	47,813	1/2	60,256	1/2	72,699	1/2	85,142	1/2	97,585	1/2	110,027	1/2	122,470
3/4	10,997	3/4	23,439	3/4	35,727	3/4	48,073	3/4	60,516	3/4	72,958	3/4	85,401	3/4	97,844	3/4	110,287	3/4	122,729

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 31'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "IB 1941"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05"

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	122,989	0	135,432	0	147,874	0	160,317	0		0		0		0		0		0	
1/4	123,248	1/4	135,691	1/4	148,134	1/4	160,576	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	123,507	1/2	135,950	1/2	148,393	1/2	160,835	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	123,766	3/4	136,209	3/4	148,652	3/4	161,095	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	124,026	1	136,468	1	148,911	1	161,354	1	1	1	1	1	1	1	1	1	1	1	1
1/4	124,285	1/4	136,728	1/4	149,170	1/4	161,612	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	124,544	1/2	136,987	1/2	149,430	1/2	161,871	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	124,803	3/4	137,246	3/4	149,689	3/4	162,130	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	125,063	2	137,505	2	149,948	2	162,388	2	2	2	2	2	2	2	2	2	2	2	2
1/4	125,322	1/4	137,765	1/4	150,207	1/4	162,642	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	125,581	1/2	138,024	1/2	150,467	1/2	162,896	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	125,840	3/4	138,283	3/4	150,726	3/4	163,150	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	126,099	3	138,542	3	150,985	3	163,404	3	3	3	3	3	3	3	3	3	3	3	3
1/4	126,359	1/4	138,801	1/4	151,244	1/4	163,623	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	126,618	1/2	139,061	1/2	151,503	1/2	163,842	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	126,877	3/4	139,320	3/4	151,763	3/4	164,061	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	127,136	4	139,579	4	152,022	4	164,280	4	4	4	4	4	4	4	4	4	4	4	4
1/4	127,396	1/4	139,838	1/4	152,281	1/4	164,421	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	127,655	1/2	140,098	1/2	152,540	1/2	164,561	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	127,914	3/4	140,357	3/4	152,800	3/4	164,702	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	128,173	5	140,616	5	153,059	5	164,842	5	5	5	5	5	5	5	5	5	5	5	5
1/4	128,432	1/4	140,875	1/4	153,318	1/4	164,904	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	128,692	1/2	141,134	1/2	153,577	1/2	164,966	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	128,951	3/4	141,394	3/4	153,836	3/4	165,028	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	129,210	6	141,653	6	154,096	6	165,091	6	6	6	6	6	6	6	6	6	6	6	6
1/4	129,469	1/4	141,912	1/4	154,355	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	129,729	1/2	142,171	1/2	154,614	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	129,988	3/4	142,431	3/4	154,873	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	130,247	7	142,690	7	155,133	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	130,506	1/4	142,949	1/4	155,392	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	130,765	1/2	143,208	1/2	155,651	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	131,025	3/4	143,467	3/4	155,910	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
8	131,284	8	143,727	8	156,170	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	131,543	1/4	143,986	1/4	156,429	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	131,802	1/2	144,245	1/2	156,688	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	132,062	3/4	144,504	3/4	156,947	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	132,321	9	144,764	9	157,206	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	132,580	1/4	145,023	1/4	157,466	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	132,839	1/2	145,282	1/2	157,725	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	133,098	3/4	145,541	3/4	157,984	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	133,358	10	145,801	10	158,243	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	133,617	1/4	146,060	1/4	158,503	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	133,876	1/2	146,319	1/2	158,762	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	134,135	3/4	146,578	3/4	159,021	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	134,395	11	146,837	11	159,280	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	134,654	1/4	147,097	1/4	159,539	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	134,913	1/2	147,356	1/2	159,799	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	135,172	3/4	147,615	3/4	160,058	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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/26/2013 SW  
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PRINTED: 09/27/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "IB 1941"

## 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	11,164	0	23,504	0	35,833	0	48,167	0	60,508	0	72,848	0	85,189	0	97,529	0	109,870
1/4	166	1/4	11,421	1/4	23,761	1/4	36,089	1/4	48,424	1/4	60,765	1/4	73,105	1/4	85,446	1/4	97,787	1/4	110,127
1/2	240	1/2	11,678	1/2	24,018	1/2	36,346	1/2	48,681	1/2	61,022	1/2	73,363	1/2	85,703	1/2	98,044	1/2	110,384
3/4	315	3/4	11,935	3/4	24,275	3/4	36,603	3/4	48,938	3/4	61,279	3/4	73,620	3/4	85,960	3/4	98,301	3/4	110,641
1	390	1	12,192	1	24,532	1	36,859	1	49,196	1	61,536	1	73,877	1	86,217	1	98,558	1	110,898
1/4	551	1/4	12,449	1/4	24,789	1/4	37,116	1/4	49,453	1/4	61,793	1/4	74,134	1/4	86,474	1/4	98,815	1/4	111,155
1/2	712	1/2	12,706	1/2	25,046	1/2	37,373	1/2	49,710	1/2	62,050	1/2	74,391	1/2	86,731	1/2	99,072	1/2	111,413
3/4	872	3/4	12,963	3/4	25,304	3/4	37,629	3/4	49,967	3/4	62,307	3/4	74,648	3/4	86,989	3/4	99,329	3/4	111,670
2	1,033	2	13,221	2	25,561	2	37,886	2	50,224	2	62,565	2	74,905	2	87,246	2	99,586	2	111,927
1/4	1,261	1/4	13,478	1/4	25,818	1/4	38,143	1/4	50,481	1/4	62,822	1/4	75,162	1/4	87,503	1/4	99,843	1/4	112,184
1/2	1,489	1/2	13,735	1/2	26,075	1/2	38,399	1/2	50,738	1/2	63,079	1/2	75,419	1/2	87,760	1/2	100,100	1/2	112,441
3/4	1,717	3/4	13,992	3/4	26,332	3/4	38,656	3/4	50,995	3/4	63,336	3/4	75,676	3/4	88,017	3/4	100,357	3/4	112,698
3	1,945	3	14,249	3	26,589	3	38,913	3	51,252	3	63,593	3	75,933	3	88,274	3	100,615	3	112,955
1/4	2,198	1/4	14,506	1/4	26,846	1/4	39,170	1/4	51,509	1/4	63,850	1/4	76,191	1/4	88,531	1/4	100,872	1/4	113,212
1/2	2,450	1/2	14,763	1/2	27,103	1/2	39,426	1/2	51,767	1/2	64,107	1/2	76,448	1/2	88,788	1/2	101,129	1/2	113,469
3/4	2,703	3/4	15,020	3/4	27,360	3/4	39,683	3/4	52,024	3/4	64,364	3/4	76,705	3/4	89,045	3/4	101,386	3/4	113,726
4	2,955	4	15,277	4	27,617	4	39,940	4	52,281	4	64,621	4	76,962	4	89,302	4	101,643	4	113,984
1/4	3,210	1/4	15,534	1/4	27,874	1/4	40,197	1/4	52,538	1/4	64,878	1/4	77,219	1/4	89,559	1/4	101,900	1/4	114,241
1/2	3,465	1/2	15,791	1/2	28,131	1/2	40,454	1/2	52,795	1/2	65,135	1/2	77,476	1/2	89,817	1/2	102,157	1/2	114,498
3/4	3,719	3/4	16,048	3/4	28,389	3/4	40,711	3/4	53,052	3/4	65,393	3/4	77,733	3/4	90,074	3/4	102,414	3/4	114,755
5	3,974	5	16,306	5	28,646	5	40,969	5	53,309	5	65,650	5	77,990	5	90,331	5	102,671	5	115,012
1/4	4,230	1/4	16,563	1/4	28,903	1/4	41,226	1/4	53,566	1/4	65,907	1/4	78,247	1/4	90,588	1/4	102,928	1/4	115,269
1/2	4,486	1/2	16,820	1/2	29,160	1/2	41,483	1/2	53,823	1/2	66,164	1/2	78,504	1/2	90,845	1/2	103,186	1/2	115,526
3/4	4,741	3/4	17,077	3/4	29,416	3/4	41,740	3/4	54,080	3/4	66,421	3/4	78,762	3/4	91,102	3/4	103,443	3/4	115,783
6	4,997	6	17,334	6	29,673	6	41,997	6	54,337	6	66,678	6	79,019	6	91,359	6	103,700	6	116,040
1/4	5,254	1/4	17,591	1/4	29,930	1/4	42,254	1/4	54,595	1/4	66,935	1/4	79,276	1/4	91,616	1/4	103,957	1/4	116,297
1/2	5,510	1/2	17,848	1/2	30,187	1/2	42,511	1/2	54,852	1/2	67,192	1/2	79,533	1/2	91,873	1/2	104,214	1/2	116,554
3/4	5,767	3/4	18,105	3/4	30,443	3/4	42,768	3/4	55,109	3/4	67,449	3/4	79,790	3/4	92,130	3/4	104,471	3/4	116,812
7	6,023	7	18,362	7	30,700	7	43,025	7	55,366	7	67,706	7	80,047	7	92,388	7	104,728	7	117,069
1/4	6,280	1/4	18,619	1/4	30,957	1/4	43,282	1/4	55,623	1/4	67,964	1/4	80,304	1/4	92,645	1/4	104,985	1/4	117,326
1/2	6,537	1/2	18,876	1/2	31,213	1/2	43,539	1/2	55,880	1/2	68,221	1/2	80,561	1/2	92,902	1/2	105,242	1/2	117,583
3/4	6,794	3/4	19,133	3/4	31,470	3/4	43,797	3/4	56,137	3/4	68,478	3/4	80,818	3/4	93,159	3/4	105,499	3/4	117,840
8	7,051	8	19,391	8	31,726	8	44,054	8	56,394	8	68,735	8	81,075	8	93,416	8	105,756	8	118,097
1/4	7,308	1/4	19,648	1/4	31,983	1/4	44,311	1/4	56,651	1/4	68,992	1/4	81,332	1/4	93,673	1/4	106,014	1/4	118,354
1/2	7,565	1/2	19,905	1/2	32,240	1/2	44,568	1/2	56,908	1/2	69,249	1/2	81,590	1/2	93,930	1/2	106,271	1/2	118,611
3/4	7,822	3/4	20,162	3/4	32,496	3/4	44,825	3/4	57,166	3/4	69,506	3/4	81,847	3/4	94,187	3/4	106,528	3/4	118,868
9	8,079	9	20,419	9	32,753	9	45,082	9	57,423	9	69,763	9	82,104	9	94,444	9	106,785	9	119,125
1/4	8,336	1/4	20,676	1/4	33,010	1/4	45,339	1/4	57,680	1/4	70,020	1/4	82,361	1/4	94,701	1/4	107,042	1/4	119,383
1/2	8,593	1/2	20,933	1/2	33,266	1/2	45,596	1/2	57,937	1/2	70,277	1/2	82,618	1/2	94,958	1/2	107,299	1/2	119,640
3/4	8,850	3/4	21,190	3/4	33,523	3/4	45,853	3/4	58,194	3/4	70,534	3/4	82,875	3/4	95,216	3/4	107,556	3/4	119,897
10	9,107	10	21,447	10	33,780	10	46,110	10	58,451	10	70,792	10	83,132	10	95,473	10	107,813	10	120,154
1/4	9,364	1/4	21,704	1/4	34,036	1/4	46,368	1/4	58,708	1/4	71,049	1/4	83,389	1/4	95,730	1/4	108,070	1/4	120,411
1/2	9,621	1/2	21,961	1/2	34,293	1/2	46,625	1/2	58,965	1/2	71,306	1/2	83,646	1/2	95,987	1/2	108,327	1/2	120,668
3/4	9,878	3/4	22,219	3/4	34,550	3/4	46,882	3/4	59,222	3/4	71,563	3/4	83,903	3/4	96,244	3/4	108,585	3/4	120,925
11	10,135	11	22,476	11	34,806	11	47,139	11	59,479	11	71,820	11	84,161	11	96,501	11	108,842	11	121,182
1/4	10,393	1/4	22,733	1/4	35,063	1/4	47,396	1/4	59,736	1/4	72,077	1/4	84,418	1/4	96,758	1/4	109,099	1/4	121,439
1/2	10,650	1/2	22,990	1/2	35,319	1/2	47,653	1/2	59,994	1/2	72,334	1/2	84,675	1/2	97,015	1/2	109,356	1/2	121,696
3/4	10,907	3/4	23,247	3/4	35,576	3/4	47,910	3/4	60,251	3/4	72,591	3/4	84,932	3/4	97,272	3/4	109,613	3/4	121,953

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 1941"

## 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	122,211	0	134,551	0	146,892	0	159,232	0		0		0		0		0		0	
1/4	122,468	1/4	134,808	1/4	147,149	1/4	159,489	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	122,725	1/2	135,065	1/2	147,406	1/2	159,746	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	122,982	3/4	135,322	3/4	147,663	3/4	160,003	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	123,239	1	135,580	1	147,920	1	160,260	1	1	1	1	1	1	1	1	1	1	1	1
1/4	123,496	1/4	135,837	1/4	148,177	1/4	160,517	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	123,753	1/2	136,094	1/2	148,434	1/2	160,773	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	124,010	3/4	136,351	3/4	148,691	3/4	161,030	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	124,267	2	136,608	2	148,948	2	161,286	2	2	2	2	2	2	2	2	2	2	2	2
1/4	124,524	1/4	136,865	1/4	149,206	1/4	161,538	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	124,782	1/2	137,122	1/2	149,463	1/2	161,790	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	125,039	3/4	137,379	3/4	149,720	3/4	162,042	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	125,296	3	137,636	3	149,977	3	162,294	3	3	3	3	3	3	3	3	3	3	3	3
1/4	125,553	1/4	137,893	1/4	150,234	1/4	162,511	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	125,810	1/2	138,150	1/2	150,491	1/2	162,728	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	126,067	3/4	138,408	3/4	150,748	3/4	162,946	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	126,324	4	138,665	4	151,005	4	163,163	4	4	4	4	4	4	4	4	4	4	4	4
1/4	126,581	1/4	138,922	1/4	151,262	1/4	163,302	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	126,838	1/2	139,179	1/2	151,519	1/2	163,442	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	127,095	3/4	139,436	3/4	151,776	3/4	163,581	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	127,352	5	139,693	5	152,034	5	163,720	5	5	5	5	5	5	5	5	5	5	5	5
1/4	127,610	1/4	139,950	1/4	152,291	1/4	163,782	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	127,867	1/2	140,207	1/2	152,548	1/2	163,843	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	128,124	3/4	140,464	3/4	152,805	3/4	163,905	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	128,381	6	140,721	6	153,062	6	163,966	6	6	6	6	6	6	6	6	6	6	6	6
1/4	128,638	1/4	140,978	1/4	153,319	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	128,895	1/2	141,236	1/2	153,576	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	129,152	3/4	141,493	3/4	153,833	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	129,409	7	141,750	7	154,090	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	129,666	1/4	142,007	1/4	154,347	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	129,923	1/2	142,264	1/2	154,605	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	130,181	3/4	142,521	3/4	154,862	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	130,438	8	142,778	8	155,119	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	130,695	1/4	143,035	1/4	155,376	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	130,952	1/2	143,292	1/2	155,633	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	131,209	3/4	143,549	3/4	155,890	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	131,466	9	143,807	9	156,147	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	131,723	1/4	144,064	1/4	156,404	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	131,980	1/2	144,321	1/2	156,661	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	132,237	3/4	144,578	3/4	156,918	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	132,494	10	144,835	10	157,175	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	132,751	1/4	145,092	1/4	157,433	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	133,009	1/2	145,349	1/2	157,690	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	133,266	3/4	145,606	3/4	157,947	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	133,523	11	145,863	11	158,204	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	133,780	1/4	146,120	1/4	158,461	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	134,037	1/2	146,377	1/2	158,718	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	134,294	3/4	146,635	3/4	158,975	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: 09/26/2013 SW  
CALCULATED: 09/27/2013 CL  
PRINTED: 09/27/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

PRECISION MEASUREMENT  
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