



BARGE "IB 1947"

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	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
3 CENTER	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 CENTER IS 00-1/4"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED INNAGE IS 4'-00 1/4'

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 1947"

1 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	94	0	11,741	0	24,704	0	37,503	0	50,368	0	63,324	0	76,263	0	89,225	0	102,187	0	115,148
1/4	173	1/4	12,011	1/4	24,974	1/4	37,767	1/4	50,638	1/4	63,593	1/4	76,533	1/4	89,495	1/4	102,457	1/4	115,419
1/2	252	1/2	12,281	1/2	25,244	1/2	38,030	1/2	50,908	1/2	63,863	1/2	76,803	1/2	89,765	1/2	102,727	1/2	115,689
3/4	331	3/4	12,551	3/4	25,514	3/4	38,294	3/4	51,178	3/4	64,132	3/4	77,073	3/4	90,035	3/4	102,997	3/4	115,959
1	410	1	12,821	1	25,784	1	38,558	1	51,448	1	64,401	1	77,343	1	90,305	1	103,267	1	116,229
1/4	579	1/4	13,091	1/4	26,054	1/4	38,821	1/4	51,718	1/4	64,671	1/4	77,613	1/4	90,575	1/4	103,537	1/4	116,499
1/2	748	1/2	13,361	1/2	26,324	1/2	39,085	1/2	51,988	1/2	64,940	1/2	77,883	1/2	90,845	1/2	103,807	1/2	116,769
3/4	917	3/4	13,631	3/4	26,594	3/4	39,349	3/4	52,258	3/4	65,210	3/4	78,153	3/4	91,115	3/4	104,077	3/4	117,039
2	1,086	2	13,901	2	26,864	2	39,612	2	52,528	2	65,479	2	78,423	2	91,385	2	104,347	2	117,309
1/4	1,326	1/4	14,171	1/4	27,134	1/4	39,876	1/4	52,798	1/4	65,749	1/4	78,693	1/4	91,655	1/4	104,617	1/4	117,579
1/2	1,566	1/2	14,441	1/2	27,404	1/2	40,140	1/2	53,068	1/2	66,018	1/2	78,963	1/2	91,925	1/2	104,887	1/2	117,849
3/4	1,806	3/4	14,712	3/4	27,674	3/4	40,403	3/4	53,338	3/4	66,288	3/4	79,233	3/4	92,195	3/4	105,157	3/4	118,119
3	2,046	3	14,982	3	27,944	3	40,667	3	53,607	3	66,557	3	79,503	3	92,465	3	105,427	3	118,389
1/4	2,312	1/4	15,252	1/4	28,214	1/4	40,933	1/4	53,877	1/4	66,826	1/4	79,773	1/4	92,736	1/4	105,697	1/4	118,659
1/2	2,578	1/2	15,522	1/2	28,484	1/2	41,199	1/2	54,147	1/2	67,096	1/2	80,043	1/2	93,006	1/2	105,967	1/2	118,929
3/4	2,843	3/4	15,792	3/4	28,754	3/4	41,465	3/4	54,417	3/4	67,365	3/4	80,313	3/4	93,276	3/4	106,237	3/4	119,199
4	3,109	4	16,062	4	29,024	4	41,731	4	54,687	4	67,635	4	80,583	4	93,546	4	106,507	4	119,469
1/4	3,377	1/4	16,332	1/4	29,295	1/4	42,001	1/4	54,957	1/4	67,904	1/4	80,854	1/4	93,816	1/4	106,777	1/4	119,739
1/2	3,645	1/2	16,602	1/2	29,565	1/2	42,271	1/2	55,227	1/2	68,174	1/2	81,124	1/2	94,086	1/2	107,047	1/2	120,009
3/4	3,913	3/4	16,872	3/4	29,835	3/4	42,541	3/4	55,497	3/4	68,443	3/4	81,394	3/4	94,356	3/4	107,317	3/4	120,279
5	4,181	5	17,142	5	30,105	5	42,811	5	55,767	5	68,713	5	81,664	5	94,626	5	107,587	5	120,549
1/4	4,450	1/4	17,412	1/4	30,372	1/4	43,081	1/4	56,037	1/4	68,982	1/4	81,934	1/4	94,896	1/4	107,857	1/4	120,819
1/2	4,719	1/2	17,682	1/2	30,640	1/2	43,351	1/2	56,307	1/2	69,251	1/2	82,204	1/2	95,166	1/2	108,127	1/2	121,089
3/4	4,989	3/4	17,952	3/4	30,908	3/4	43,621	3/4	56,577	3/4	69,521	3/4	82,474	3/4	95,436	3/4	108,397	3/4	121,360
6	5,258	6	18,222	6	31,175	6	43,890	6	56,846	6	69,790	6	82,744	6	95,706	6	108,667	6	121,630
1/4	5,528	1/4	18,492	1/4	31,439	1/4	44,160	1/4	57,116	1/4	70,060	1/4	83,014	1/4	95,976	1/4	108,937	1/4	121,900
1/2	5,798	1/2	18,762	1/2	31,703	1/2	44,430	1/2	57,386	1/2	70,329	1/2	83,284	1/2	96,246	1/2	109,207	1/2	122,170
3/4	6,067	3/4	19,032	3/4	31,966	3/4	44,700	3/4	57,656	3/4	70,599	3/4	83,554	3/4	96,516	3/4	109,478	3/4	122,440
7	6,337	7	19,302	7	32,230	7	44,970	7	57,926	7	70,868	7	83,824	7	96,786	7	109,748	7	122,710
1/4	6,607	1/4	19,573	1/4	32,494	1/4	45,240	1/4	58,196	1/4	71,138	1/4	84,094	1/4	97,056	1/4	110,018	1/4	122,980
1/2	6,877	1/2	19,843	1/2	32,757	1/2	45,510	1/2	58,466	1/2	71,407	1/2	84,364	1/2	97,326	1/2	110,288	1/2	123,250
3/4	7,148	3/4	20,113	3/4	33,021	3/4	45,780	3/4	58,736	3/4	71,676	3/4	84,634	3/4	97,596	3/4	110,558	3/4	123,520
8	7,418	8	20,383	8	33,285	8	46,050	8	59,006	8	71,946	8	84,904	8	97,866	8	110,828	8	123,790
1/4	7,688	1/4	20,653	1/4	33,548	1/4	46,320	1/4	59,276	1/4	72,215	1/4	85,174	1/4	98,136	1/4	111,098	1/4	124,060
1/2	7,958	1/2	20,923	1/2	33,812	1/2	46,590	1/2	59,546	1/2	72,485	1/2	85,444	1/2	98,406	1/2	111,368	1/2	124,330
3/4	8,228	3/4	21,193	3/4	34,075	3/4	46,860	3/4	59,816	3/4	72,754	3/4	85,714	3/4	98,677	3/4	111,638	3/4	124,600
9	8,498	9	21,463	9	34,339	9	47,129	9	60,085	9	73,024	9	85,984	9	98,947	9	111,908	9	124,870
1/4	8,769	1/4	21,733	1/4	34,603	1/4	47,399	1/4	60,355	1/4	73,293	1/4	86,254	1/4	99,217	1/4	112,178	1/4	125,144
1/2	9,039	1/2	22,003	1/2	34,866	1/2	47,669	1/2	60,625	1/2	73,563	1/2	86,524	1/2	99,487	1/2	112,448	1/2	125,357
3/4	9,309	3/4	22,273	3/4	35,130	3/4	47,939	3/4	60,895	3/4	73,833	3/4	86,795	3/4	99,757	3/4	112,718	3/4	125,600
10	9,580	10	22,543	10	35,394	10	48,209	10	61,165	10	74,102	10	87,065	10	100,027	10	112,988	10	125,844
1/4	9,850	1/4	22,813	1/4	35,657	1/4	48,479	1/4	61,435	1/4	74,372	1/4	87,335	1/4	100,297	1/4	113,258	1/4	126,043
1/2	10,120	1/2	23,083	1/2	35,921	1/2	48,749	1/2	61,705	1/2	74,642	1/2	87,605	1/2	100,567	1/2	113,528	1/2	126,242
3/4	10,390	3/4	23,353	3/4	36,185	3/4	49,019	3/4	61,975	3/4	74,912	3/4	87,875	3/4	100,837	3/4	113,798	3/4	126,441
11	10,661	11	23,623	11	36,448	11	49,289	11	62,245	11	75,183	11	88,145	11	101,107	11	114,068	11	126,641
1/4	10,931	1/4	23,893	1/4	36,712	1/4	49,559	1/4	62,515	1/4	75,453	1/4	88,415	1/4	101,377	1/4	114,338	1/4	126,841
1/2	11,201	1/2	24,163	1/2	36,976	1/2	49,829	1/2	62,784	1/2	75,723	1/2	88,685	1/2	101,647	1/2	114,608	1/2	127,040
3/4	11,471	3/4	24,434	3/4	37,239	3/4	50,099	3/4	63,054	3/4	75,993	3/4	88,955	3/4	101,917	3/4	114,878	3/4	127,240

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.

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BARGE "IB 1947"

1 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	127,439	0	137,021	0	146,602	0	156,183	0		0		0		0		0		0	
1/4	127,639	1/4	137,220	1/4	146,802	1/4	156,383	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	127,839	1/2	137,420	1/2	147,001	1/2	156,582	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	128,038	3/4	137,620	3/4	147,201	3/4	156,782	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	128,238	1	137,819	1	147,401	1	156,981	1	1	1	1	1	1	1	1	1	1	1	1
1/4	128,438	1/4	138,019	1/4	147,600	1/4	157,180	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	128,637	1/2	138,218	1/2	147,800	1/2	157,379	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	128,837	3/4	138,418	3/4	147,999	3/4	157,578	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	129,036	2	138,618	2	148,199	2	157,777	2	2	2	2	2	2	2	2	2	2	2	2
1/4	129,236	1/4	138,817	1/4	148,399	1/4	157,971	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	129,436	1/2	139,017	1/2	148,598	1/2	158,166	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	129,635	3/4	139,217	3/4	148,798	3/4	158,360	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	129,835	3	139,416	3	148,997	3	158,554	3	3	3	3	3	3	3	3	3	3	3	3
1/4	130,034	1/4	139,616	1/4	149,197	1/4	158,711	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	130,234	1/2	139,815	1/2	149,397	1/2	158,869	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	130,434	3/4	140,015	3/4	149,596	3/4	159,027	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	130,633	4	140,215	4	149,796	4	159,185	4	4	4	4	4	4	4	4	4	4	4	4
1/4	130,833	1/4	140,414	1/4	149,995	1/4	159,261	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	131,032	1/2	140,614	1/2	150,195	1/2	159,336	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	131,232	3/4	140,813	3/4	150,395	3/4	159,412	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	131,432	5	141,013	5	150,594	5	159,487	5	5	5	5	5	5	5	5	5	5	5	5
1/4	131,631	1/4	141,213	1/4	150,794	1/4	159,508	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	131,831	1/2	141,412	1/2	150,994	1/2	159,528	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	132,031	3/4	141,612	3/4	151,193	3/4	159,549	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	132,230	6	141,811	6	151,393	6	159,569	6	6	6	6	6	6	6	6	6	6	6	6
1/4	132,430	1/4	142,011	1/4	151,592	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	132,629	1/2	142,211	1/2	151,792	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	132,829	3/4	142,410	3/4	151,992	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	133,029	7	142,610	7	152,191	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	133,228	1/4	142,810	1/4	152,391	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	133,428	1/2	143,009	1/2	152,590	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	133,627	3/4	143,209	3/4	152,790	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	133,827	8	143,408	8	152,990	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	134,027	1/4	143,608	1/4	153,189	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	134,226	1/2	143,808	1/2	153,389	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	134,426	3/4	144,007	3/4	153,588	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	134,625	9	144,207	9	153,788	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	134,825	1/4	144,406	1/4	153,988	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	135,025	1/2	144,606	1/2	154,187	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	135,224	3/4	144,806	3/4	154,387	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	135,424	10	145,005	10	154,587	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	135,624	1/4	145,205	1/4	154,786	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	135,823	1/2	145,404	1/2	154,986	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	136,023	3/4	145,604	3/4	155,185	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	136,222	11	145,804	11	155,385	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	136,422	1/4	146,003	1/4	155,585	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	136,622	1/2	146,203	1/2	155,784	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	136,821	3/4	146,403	3/4	155,984	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

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 1947"

2 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	11,256	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'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "IB 1947"

2 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	122,989	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.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

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& ANALYSIS, INC.
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BARGE "IB 1947"

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	90	0	11,158	0	23,492	0	35,814	0	48,142	0	60,476	0	72,810	0	85,144	0	97,478	0	109,812
1/4	165	1/4	11,415	1/4	23,748	1/4	36,070	1/4	48,399	1/4	60,733	1/4	73,067	1/4	85,401	1/4	97,735	1/4	110,069
1/2	240	1/2	11,672	1/2	24,005	1/2	36,327	1/2	48,656	1/2	60,990	1/2	73,324	1/2	85,658	1/2	97,992	1/2	110,326
3/4	315	3/4	11,929	3/4	24,262	3/4	36,583	3/4	48,913	3/4	61,247	3/4	73,581	3/4	85,915	3/4	98,249	3/4	110,583
1	390	1	12,186	1	24,519	1	36,840	1	49,170	1	61,504	1	73,838	1	86,172	1	98,506	1	110,840
1/4	551	1/4	12,443	1/4	24,776	1/4	37,096	1/4	49,427	1/4	61,761	1/4	74,095	1/4	86,429	1/4	98,763	1/4	111,097
1/2	711	1/2	12,700	1/2	25,033	1/2	37,353	1/2	49,683	1/2	62,018	1/2	74,352	1/2	86,686	1/2	99,020	1/2	111,354
3/4	872	3/4	12,957	3/4	25,290	3/4	37,609	3/4	49,940	3/4	62,274	3/4	74,609	3/4	86,943	3/4	99,277	3/4	111,611
2	1,032	2	13,214	2	25,547	2	37,866	2	50,197	2	62,531	2	74,865	2	87,199	2	99,534	2	111,868
1/4	1,260	1/4	13,470	1/4	25,804	1/4	38,122	1/4	50,454	1/4	62,788	1/4	75,122	1/4	87,456	1/4	99,790	1/4	112,125
1/2	1,488	1/2	13,727	1/2	26,061	1/2	38,379	1/2	50,711	1/2	63,045	1/2	75,379	1/2	87,713	1/2	100,047	1/2	112,381
3/4	1,716	3/4	13,984	3/4	26,318	3/4	38,636	3/4	50,968	3/4	63,302	3/4	75,636	3/4	87,970	3/4	100,304	3/4	112,638
3	1,944	3	14,241	3	26,575	3	38,892	3	51,225	3	63,559	3	75,893	3	88,227	3	100,561	3	112,895
1/4	2,196	1/4	14,498	1/4	26,832	1/4	39,149	1/4	51,482	1/4	63,816	1/4	76,150	1/4	88,484	1/4	100,818	1/4	113,152
1/2	2,449	1/2	14,755	1/2	27,089	1/2	39,406	1/2	51,739	1/2	64,073	1/2	76,407	1/2	88,741	1/2	101,075	1/2	113,409
3/4	2,701	3/4	15,012	3/4	27,346	3/4	39,662	3/4	51,996	3/4	64,330	3/4	76,664	3/4	88,998	3/4	101,332	3/4	113,666
4	2,954	4	15,269	4	27,603	4	39,919	4	52,253	4	64,587	4	76,921	4	89,255	4	101,589	4	113,923
1/4	3,208	1/4	15,526	1/4	27,860	1/4	40,176	1/4	52,510	1/4	64,844	1/4	77,178	1/4	89,512	1/4	101,846	1/4	114,180
1/2	3,463	1/2	15,783	1/2	28,117	1/2	40,433	1/2	52,767	1/2	65,101	1/2	77,435	1/2	89,769	1/2	102,103	1/2	114,437
3/4	3,717	3/4	16,040	3/4	28,374	3/4	40,690	3/4	53,024	3/4	65,358	3/4	77,692	3/4	90,026	3/4	102,360	3/4	114,694
5	3,972	5	16,297	5	28,631	5	40,947	5	53,281	5	65,615	5	77,949	5	90,283	5	102,617	5	114,951
1/4	4,228	1/4	16,554	1/4	28,887	1/4	41,204	1/4	53,538	1/4	65,872	1/4	78,206	1/4	90,540	1/4	102,874	1/4	115,208
1/2	4,483	1/2	16,811	1/2	29,144	1/2	41,461	1/2	53,795	1/2	66,129	1/2	78,463	1/2	90,797	1/2	103,131	1/2	115,465
3/4	4,739	3/4	17,068	3/4	29,401	3/4	41,718	3/4	54,052	3/4	66,386	3/4	78,720	3/4	91,054	3/4	103,388	3/4	115,722
6	4,994	6	17,325	6	29,658	6	41,975	6	54,309	6	66,643	6	78,977	6	91,311	6	103,645	6	115,979
1/4	5,251	1/4	17,582	1/4	29,914	1/4	42,232	1/4	54,566	1/4	66,900	1/4	79,234	1/4	91,568	1/4	103,902	1/4	116,236
1/2	5,507	1/2	17,839	1/2	30,171	1/2	42,489	1/2	54,823	1/2	67,157	1/2	79,491	1/2	91,825	1/2	104,159	1/2	116,493
3/4	5,764	3/4	18,096	3/4	30,427	3/4	42,746	3/4	55,080	3/4	67,414	3/4	79,748	3/4	92,082	3/4	104,416	3/4	116,750
7	6,020	7	18,353	7	30,684	7	43,003	7	55,337	7	67,671	7	80,005	7	92,339	7	104,673	7	117,007
1/4	6,277	1/4	18,609	1/4	30,940	1/4	43,260	1/4	55,594	1/4	67,928	1/4	80,262	1/4	92,596	1/4	104,930	1/4	117,264
1/2	6,533	1/2	18,866	1/2	31,197	1/2	43,516	1/2	55,851	1/2	68,185	1/2	80,519	1/2	92,853	1/2	105,187	1/2	117,521
3/4	6,790	3/4	19,123	3/4	31,453	3/4	43,773	3/4	56,107	3/4	68,441	3/4	80,776	3/4	93,110	3/4	105,444	3/4	117,778
8	7,047	8	19,380	8	31,710	8	44,030	8	56,364	8	68,698	8	81,032	8	93,367	8	105,701	8	118,035
1/4	7,304	1/4	19,637	1/4	31,966	1/4	44,287	1/4	56,621	1/4	68,955	1/4	81,289	1/4	93,623	1/4	105,958	1/4	118,292
1/2	7,561	1/2	19,894	1/2	32,223	1/2	44,544	1/2	56,878	1/2	69,212	1/2	81,546	1/2	93,880	1/2	106,214	1/2	118,548
3/4	7,818	3/4	20,151	3/4	32,479	3/4	44,801	3/4	57,135	3/4	69,469	3/4	81,803	3/4	94,137	3/4	106,471	3/4	118,805
9	8,075	9	20,408	9	32,736	9	45,058	9	57,392	9	69,726	9	82,060	9	94,394	9	106,728	9	119,062
1/4	8,331	1/4	20,665	1/4	32,992	1/4	45,315	1/4	57,649	1/4	69,983	1/4	82,317	1/4	94,651	1/4	106,985	1/4	119,319
1/2	8,588	1/2	20,922	1/2	33,249	1/2	45,572	1/2	57,906	1/2	70,240	1/2	82,574	1/2	94,908	1/2	107,242	1/2	119,576
3/4	8,845	3/4	21,179	3/4	33,505	3/4	45,829	3/4	58,163	3/4	70,497	3/4	82,831	3/4	95,165	3/4	107,499	3/4	119,833
10	9,102	10	21,436	10	33,762	10	46,086	10	58,420	10	70,754	10	83,088	10	95,422	10	107,756	10	120,090
1/4	9,359	1/4	21,693	1/4	34,018	1/4	46,343	1/4	58,677	1/4	71,011	1/4	83,345	1/4	95,679	1/4	108,013	1/4	120,347
1/2	9,616	1/2	21,950	1/2	34,275	1/2	46,600	1/2	58,934	1/2	71,268	1/2	83,602	1/2	95,936	1/2	108,270	1/2	120,604
3/4	9,873	3/4	22,207	3/4	34,531	3/4	46,857	3/4	59,191	3/4	71,525	3/4	83,859	3/4	96,193	3/4	108,527	3/4	120,861
11	10,130	11	22,464	11	34,788	11	47,114	11	59,448	11	71,782	11	84,116	11	96,450	11	108,784	11	121,118
1/4	10,387	1/4	22,721	1/4	35,044	1/4	47,371	1/4	59,705	1/4	72,039	1/4	84,373	1/4	96,707	1/4	109,041	1/4	121,375
1/2	10,644	1/2	22,978	1/2	35,301	1/2	47,628	1/2	59,962	1/2	72,296	1/2	84,630	1/2	96,964	1/2	109,298	1/2	121,632
3/4	10,901	3/4	23,235	3/4	35,557	3/4	47,885	3/4	60,219	3/4	72,553	3/4	84,887	3/4	97,221	3/4	109,555	3/4	121,889

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 1947"

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	122,146	0	134,480	0	146,814	0	159,148	0		0		0		0		0		0	
1/4	122,403	1/4	134,737	1/4	147,071	1/4	159,405	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	122,660	1/2	134,994	1/2	147,328	1/2	159,662	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	122,917	3/4	135,251	3/4	147,585	3/4	159,919	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	123,174	1	135,508	1	147,842	1	160,175	1	1	1	1	1	1	1	1	1	1	1	1
1/4	123,431	1/4	135,765	1/4	148,099	1/4	160,432	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	123,688	1/2	136,022	1/2	148,356	1/2	160,688	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	123,945	3/4	136,279	3/4	148,613	3/4	160,945	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	124,202	2	136,536	2	148,870	2	161,201	2	2	2	2	2	2	2	2	2	2	2	2
1/4	124,459	1/4	136,793	1/4	149,127	1/4	161,453	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	124,716	1/2	137,050	1/2	149,384	1/2	161,704	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	124,972	3/4	137,307	3/4	149,641	3/4	161,956	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	125,229	3	137,563	3	149,897	3	162,208	3	3	3	3	3	3	3	3	3	3	3	3
1/4	125,486	1/4	137,820	1/4	150,154	1/4	162,425	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	125,743	1/2	138,077	1/2	150,411	1/2	162,642	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	126,000	3/4	138,334	3/4	150,668	3/4	162,859	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	126,257	4	138,591	4	150,925	4	163,077	4	4	4	4	4	4	4	4	4	4	4	4
1/4	126,514	1/4	138,848	1/4	151,182	1/4	163,216	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	126,771	1/2	139,105	1/2	151,439	1/2	163,355	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	127,028	3/4	139,362	3/4	151,696	3/4	163,494	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	127,285	5	139,619	5	151,953	5	163,633	5	5	5	5	5	5	5	5	5	5	5	5
1/4	127,542	1/4	139,876	1/4	152,210	1/4	163,695	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	127,799	1/2	140,133	1/2	152,467	1/2	163,757	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	128,056	3/4	140,390	3/4	152,724	3/4	163,818	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	128,313	6	140,647	6	152,981	6	163,880	6	6	6	6	6	6	6	6	6	6	6	6
1/4	128,570	1/4	140,904	1/4	153,238	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	128,827	1/2	141,161	1/2	153,495	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	129,084	3/4	141,418	3/4	153,752	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	129,341	7	141,675	7	154,009	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	129,598	1/4	141,932	1/4	154,266	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	129,855	1/2	142,189	1/2	154,523	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	130,112	3/4	142,446	3/4	154,780	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	130,369	8	142,703	8	155,037	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	130,626	1/4	142,960	1/4	155,294	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	130,883	1/2	143,217	1/2	155,551	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	131,139	3/4	143,474	3/4	155,808	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	131,396	9	143,730	9	156,065	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	131,653	1/4	143,987	1/4	156,321	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	131,910	1/2	144,244	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	132,167	3/4	144,501	3/4	156,835	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	132,424	10	144,758	10	157,092	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	132,681	1/4	145,015	1/4	157,349	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	132,938	1/2	145,272	1/2	157,606	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	133,195	3/4	145,529	3/4	157,863	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	133,452	11	145,786	11	158,120	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	133,709	1/4	146,043	1/4	158,377	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	133,966	1/2	146,300	1/2	158,634	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	134,223	3/4	146,557	3/4	158,891	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

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