



# BARGE "IB 1972"

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4
2 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-5/8	- 00-5/8
3 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	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 ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 182'-09"

May 5, 2016

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

<http://www.pmacorp.net>



# BARGE "IB 1972"

# 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	146,547	0	138,769	0	130,991	0	121,707	0	109,690	0	97,683	0	85,676	0	73,669	0	61,662	0
1/4	1/4	146,385	1/4	138,607	1/4	130,829	1/4	121,456	1/4	109,440	1/4	97,433	1/4	85,426	1/4	73,419	1/4	61,412	1/4
1/2	1/2	146,223	1/2	138,445	1/2	130,667	1/2	121,295	1/2	109,278	1/2	97,271	1/2	85,269	1/2	73,262	1/2	61,204	1/2
3/4	3/4	146,061	3/4	138,283	3/4	130,505	3/4	121,133	3/4	109,116	3/4	97,104	3/4	85,111	3/4	73,104	3/4	61,046	3/4
1	1	145,899	1	138,121	1	130,343	1	120,970	1	108,899	1	96,882	1	84,876	1	72,869	1	60,862	1
1/4	1/4	145,737	1/4	137,959	1/4	130,181	1/4	120,808	1/4	108,738	1/4	96,720	1/4	84,719	1/4	72,712	1/4	60,704	1/4
1/2	1/2	145,575	1/2	137,797	1/2	130,020	1/2	120,646	1/2	108,576	1/2	96,562	1/2	84,561	1/2	72,554	1/2	60,546	1/2
3/4	3/4	145,413	3/4	137,635	3/4	129,857	3/4	119,952	3/4	107,939	3/4	95,932	3/4	83,925	3/4	71,918	3/4	59,909	3/4
2	2	145,251	2	137,473	2	129,695	2	119,790	2	107,777	2	95,770	2	83,763	2	71,756	2	59,747	2
1/4	1/4	145,089	1/4	137,311	1/4	129,533	1/4	119,628	1/4	107,615	1/4	95,608	1/4	83,601	1/4	71,594	1/4	59,585	1/4
1/2	1/2	144,927	1/2	137,149	1/2	129,371	1/2	119,466	1/2	107,453	1/2	95,446	1/2	83,439	1/2	71,432	1/2	59,423	1/2
3/4	3/4	144,765	3/4	136,987	3/4	129,209	3/4	119,304	3/4	107,291	3/4	95,284	3/4	83,277	3/4	71,270	3/4	59,261	3/4
3	3	144,602	3	136,825	3	129,047	3	119,142	3	107,129	3	95,122	3	83,115	3	71,108	3	59,099	3
1/4	1/4	144,440	1/4	136,662	1/4	128,885	1/4	118,980	1/4	106,966	1/4	94,958	1/4	82,951	1/4	70,944	1/4	58,937	1/4
1/2	1/2	144,278	1/2	136,500	1/2	128,723	1/2	118,818	1/2	106,804	1/2	94,796	1/2	82,789	1/2	70,782	1/2	58,775	1/2
3/4	3/4	144,116	3/4	136,338	3/4	128,560	3/4	117,947	3/4	105,938	3/4	93,931	3/4	81,924	3/4	69,917	3/4	57,810	3/4
4	4	143,954	4	136,176	4	128,398	4	117,785	4	105,776	4	93,769	4	81,762	4	69,748	4	57,648	4
1/4	1/4	143,792	1/4	136,014	1/4	128,236	1/4	117,623	1/4	105,614	1/4	93,607	1/4	81,600	1/4	69,586	1/4	57,486	1/4
1/2	1/2	143,630	1/2	135,852	1/2	128,074	1/2	117,461	1/2	105,452	1/2	93,445	1/2	81,438	1/2	69,424	1/2	57,324	1/2
3/4	3/4	143,468	3/4	135,690	3/4	127,912	3/4	117,299	3/4	105,290	3/4	93,283	3/4	81,276	3/4	69,262	3/4	57,162	3/4
5	5	143,306	5	135,528	5	127,750	5	116,694	5	104,687	5	92,680	5	80,673	5	68,666	5	56,666	5
1/4	1/4	143,144	1/4	135,366	1/4	127,588	1/4	116,532	1/4	104,525	1/4	92,518	1/4	80,511	1/4	68,504	1/4	56,504	1/4
1/2	1/2	142,982	1/2	135,204	1/2	127,426	1/2	116,370	1/2	104,363	1/2	92,356	1/2	80,349	1/2	68,342	1/2	56,342	1/2
3/4	3/4	142,820	3/4	135,042	3/4	127,264	3/4	115,944	3/4	103,937	3/4	91,930	3/4	79,923	3/4	67,916	3/4	55,929	3/4
6	6	142,658	6	134,880	6	127,102	6	115,782	6	103,775	6	91,768	6	79,761	6	67,754	6	55,767	6
1/4	1/4	142,496	1/4	134,718	1/4	126,940	1/4	115,620	1/4	103,613	1/4	91,606	1/4	79,600	1/4	67,592	1/4	55,605	1/4
1/2	1/2	142,334	1/2	134,556	1/2	126,778	1/2	115,458	1/2	103,451	1/2	91,444	1/2	79,438	1/2	67,430	1/2	55,443	1/2
3/4	3/4	142,172	3/4	134,394	3/4	126,616	3/4	115,296	3/4	103,289	3/4	91,282	3/4	79,276	3/4	67,268	3/4	55,281	3/4
7	7	142,010	7	134,232	7	126,454	7	114,993	7	102,686	7	90,679	7	78,672	7	66,668	7	54,668	7
1/4	1/4	141,848	1/4	134,070	1/4	126,292	1/4	114,831	1/4	102,524	1/4	90,517	1/4	78,510	1/4	66,506	1/4	54,506	1/4
1/2	1/2	141,686	1/2	133,908	1/2	126,130	1/2	114,669	1/2	102,362	1/2	90,355	1/2	78,348	1/2	66,344	1/2	54,344	1/2
3/4	3/4	141,524	3/4	133,746	3/4	125,968	3/4	113,943	3/4	101,935	3/4	89,929	3/4	77,922	3/4	65,919	3/4	53,929	3/4
8	8	141,362	8	133,584	8	125,806	8	113,781	8	101,773	8	89,767	8	77,760	8	65,757	8	53,767	8
1/4	1/4	141,200	1/4	133,422	1/4	125,644	1/4	113,619	1/4	101,611	1/4	89,605	1/4	77,600	1/4	65,595	1/4	53,605	1/4
1/2	1/2	141,038	1/2	133,260	1/2	125,482	1/2	113,457	1/2	101,449	1/2	89,443	1/2	77,438	1/2	65,433	1/2	53,443	1/2
3/4	3/4	140,876	3/4	133,098	3/4	125,320	3/4	113,295	3/4	101,287	3/4	89,281	3/4	77,276	3/4	65,271	3/4	53,281	3/4
9	9	140,714	9	132,936	9	125,158	9	112,992	9	100,685	9	88,678	9	76,671	9	64,671	9	52,671	9
1/4	1/4	140,552	1/4	132,774	1/4	125,000	1/4	112,830	1/4	100,523	1/4	88,516	1/4	76,510	1/4	64,510	1/4	52,510	1/4
1/2	1/2	140,390	1/2	132,612	1/2	124,838	1/2	112,668	1/2	100,361	1/2	88,354	1/2	76,348	1/2	64,348	1/2	52,348	1/2
3/4	3/4	140,228	3/4	132,450	3/4	124,676	3/4	112,506	3/4	100,199	3/4	88,192	3/4	76,186	3/4	64,186	3/4	52,186	3/4
10	10	140,066	10	132,288	10	124,514	10	112,344	10	99,684	10	87,678	10	75,670	10	63,670	10	51,670	10
1/4	1/4	139,904	1/4	132,126	1/4	124,352	1/4	112,182	1/4	99,522	1/4	87,516	1/4	75,508	1/4	63,508	1/4	51,508	1/4
1/2	1/2	139,742	1/2	131,964	1/2	124,190	1/2	112,020	1/2	99,360	1/2	87,354	1/2	75,346	1/2	63,346	1/2	51,346	1/2
3/4	3/4	139,580	3/4	131,802	3/4	124,028	3/4	111,858	3/4	99,198	3/4	87,190	3/4	75,184	3/4	63,184	3/4	51,184	3/4
11	11	139,418	11	131,640	11	123,866	11	111,696	11	99,036	11	87,028	11	75,020	11	63,020	11	51,020	11
1/4	1/4	139,256	1/4	131,478	1/4	123,704	1/4	111,534	1/4	98,874	1/4	86,866	1/4	74,858	1/4	62,858	1/4	50,858	1/4
1/2	1/2	139,094	1/2	131,316	1/2	123,542	1/2	111,372	1/2	98,712	1/2	86,704	1/2	74,696	1/2	62,696	1/2	50,696	1/2
3/4	3/4	138,932	3/4	131,154	3/4	123,380	3/4	111,210	3/4	98,550	3/4	86,542	3/4	74,534	3/4	62,534	3/4	50,534	3/4

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 ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.  
 GAUGE POINT, (HERMETIC) LOCATED ON CENTERLINE AND 31'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
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 P. O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "IB 1972"

# 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	61,677	0	49,683	0	37,688	0	25,941	0	13,933	0	1,931	0	0	0	0	0	0	0	0
1/4	61,427	1/4	49,433	1/4	37,445	1/4	25,691	1/4	13,683	1/4	1,684	1/4	1,684	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,178	1/2	49,183	1/2	37,201	1/2	25,440	1/2	13,433	1/2	1,456	1/2	1,456	1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,928	3/4	48,933	3/4	36,958	3/4	25,190	3/4	13,183	3/4	1,219	3/4	1,219	3/4	3/4	3/4	3/4	3/4	3/4
1	60,679	1	48,683	1	36,714	1	24,940	1	12,932	1	1,055	1	1,055	1	1	1	1	1	1
1/4	60,429	1/4	48,433	1/4	36,471	1/4	24,690	1/4	12,682	1/4	890	1/4	890	1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,180	1/2	48,183	1/2	36,227	1/2	24,440	1/2	12,432	1/2	726	1/2	726	1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,930	3/4	47,933	3/4	35,984	3/4	24,190	3/4	12,182	3/4	561	3/4	561	3/4	3/4	3/4	3/4	3/4	3/4
2	59,680	2	47,683	2	35,740	2	23,939	2	11,932	2	469	2	469	2	2	2	2	2	2
1/4	59,431	1/4	47,433	1/4	35,497	1/4	23,689	1/4	11,682	1/4	377	1/4	377	1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,181	1/2	47,183	1/2	35,253	1/2	23,439	1/2	11,431	1/2	285	1/2	285	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,932	3/4	46,933	3/4	35,010	3/4	23,189	3/4	11,181	3/4	193	3/4	193	3/4	3/4	3/4	3/4	3/4	3/4
1	58,683	1	46,683	1	34,766	1	22,939	1	10,931	1	152	1	152	1	1	1	1	1	1
1/4	58,433	1/4	46,433	1/4	34,523	1/4	22,689	1/4	10,681	1/4	110	1/4	110	1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,183	1/2	46,183	1/2	34,279	1/2	22,439	1/2	10,431	1/2	68	1/2	68	1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,934	3/4	45,933	3/4	34,036	3/4	22,188	3/4	10,181	3/4	26	3/4	26	3/4	3/4	3/4	3/4	3/4	3/4
4	57,684	4	45,682	4	33,792	4	21,938	4	9,930	4	4	4	4	4	4	4	4	4	4
1/4	57,434	1/4	45,432	1/4	33,549	1/4	21,688	1/4	9,680	1/4	0	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,184	1/2	45,182	1/2	33,305	1/2	21,438	1/2	9,430	1/2	0	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,934	3/4	44,932	3/4	33,062	3/4	21,188	3/4	9,180	3/4	0	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
5	56,683	5	44,682	5	32,818	5	20,938	5	8,929	5	0	5	0	5	5	5	5	5	5
1/4	56,433	1/4	44,432	1/4	32,575	1/4	20,687	1/4	8,679	1/4	0	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,183	1/2	44,182	1/2	32,331	1/2	20,437	1/2	8,429	1/2	0	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,933	3/4	43,932	3/4	32,088	3/4	20,187	3/4	8,178	3/4	0	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
6	55,683	6	43,682	6	31,844	6	19,937	6	7,928	6	0	6	0	6	6	6	6	6	6
1/4	55,433	1/4	43,432	1/4	31,601	1/4	19,687	1/4	7,677	1/4	0	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,183	1/2	43,182	1/2	31,357	1/2	19,437	1/2	7,427	1/2	0	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,933	3/4	42,932	3/4	31,114	3/4	19,186	3/4	7,176	3/4	0	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
7	54,683	7	42,682	7	30,871	7	18,936	7	6,926	7	0	7	0	7	7	7	7	7	7
1/4	54,433	1/4	42,432	1/4	30,627	1/4	18,686	1/4	6,676	1/4	0	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,183	1/2	42,182	1/2	30,384	1/2	18,436	1/2	6,426	1/2	0	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,933	3/4	41,932	3/4	30,140	3/4	18,186	3/4	6,175	3/4	0	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
8	53,683	8	41,682	8	29,897	8	17,936	8	5,925	8	0	8	0	8	8	8	8	8	8
1/4	53,433	1/4	41,432	1/4	29,653	1/4	17,685	1/4	5,675	1/4	0	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,183	1/2	41,182	1/2	29,410	1/2	17,435	1/2	5,424	1/2	0	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,933	3/4	40,932	3/4	29,166	3/4	17,185	3/4	5,174	3/4	0	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
9	52,683	9	40,682	9	28,923	9	16,935	9	4,923	9	0	9	0	9	9	9	9	9	9
1/4	52,433	1/4	40,432	1/4	28,679	1/4	16,685	1/4	4,672	1/4	0	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,183	1/2	40,182	1/2	28,436	1/2	16,435	1/2	4,422	1/2	0	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,933	3/4	39,932	3/4	28,192	3/4	16,185	3/4	4,171	3/4	0	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
10	51,683	10	39,682	10	27,949	10	15,934	10	3,920	10	0	10	0	10	10	10	10	10	10
1/4	51,433	1/4	39,432	1/4	27,705	1/4	15,684	1/4	3,670	1/4	0	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,183	1/2	39,182	1/2	27,462	1/2	15,434	1/2	3,419	1/2	0	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,933	3/4	38,932	3/4	27,218	3/4	15,184	3/4	3,169	3/4	0	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
11	50,683	11	38,682	11	26,975	11	14,934	11	2,919	11	0	11	0	11	11	11	11	11	11
1/4	50,433	1/4	38,432	1/4	26,731	1/4	14,684	1/4	2,669	1/4	0	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,183	1/2	38,182	1/2	26,488	1/2	14,433	1/2	2,419	1/2	0	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,933	3/4	37,932	3/4	26,244	3/4	14,183	3/4	2,169	3/4	0	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77598  
<http://www.pmacorp.net>

STRAPPED: 05/05/2016 CL  
CALCULATED: 05/05/2016 CL  
PRINTED: 05/06/2016 JS  
CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2016



# BARGE "IB 1972"

# 2 CENTER ULLAGE TABLE

GAUGE HEIGHT 15'-03 1/4"

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	161,298	0	139,702	0	128,178	0	105,129	0	82,081
1/4	1/4	161,288	1/4	139,662	1/4	127,937	1/4	104,889	1/4	81,841
1/2	1/2	161,228	1/2	139,222	1/2	127,687	1/2	104,649	1/2	81,601
3/4	3/4	161,168	3/4	138,981	3/4	127,457	3/4	104,409	3/4	81,361
1	1	161,108	1	138,741	1	127,217	1	104,169	1	81,121
1/4	1/4	161,048	1/4	138,501	1/4	126,977	1/4	103,929	1/4	80,881
1/2	1/2	160,908	1/2	138,261	1/2	126,737	1/2	103,689	1/2	80,641
3/4	3/4	160,768	3/4	138,021	3/4	126,497	3/4	103,449	3/4	80,400
2	2	160,688	2	137,781	2	126,257	2	103,209	2	80,160
1/4	1/4	160,488	1/4	137,541	1/4	126,017	1/4	102,969	1/4	79,920
1/2	1/2	160,271	1/2	137,301	1/2	125,777	1/2	102,728	1/2	79,680
3/4	3/4	160,054	3/4	137,061	3/4	125,537	3/4	102,488	3/4	79,440
3	3	159,838	3	136,821	3	125,297	3	102,248	3	79,200
1/4	1/4	159,621	1/4	136,581	1/4	125,056	1/4	102,008	1/4	78,960
1/2	1/2	159,382	1/2	136,340	1/2	124,816	1/2	101,768	1/2	78,720
3/4	3/4	159,144	3/4	136,100	3/4	124,576	3/4	101,528	3/4	78,480
4	4	158,905	4	135,860	4	124,336	4	101,288	4	78,240
1/4	1/4	158,667	1/4	135,620	1/4	124,096	1/4	101,048	1/4	78,000
1/2	1/2	158,427	1/2	135,380	1/2	123,856	1/2	100,808	1/2	77,760
3/4	3/4	158,187	3/4	135,140	3/4	123,616	3/4	100,568	3/4	77,519
5	5	157,948	5	134,900	5	123,376	5	100,328	5	77,279
1/4	1/4	157,708	1/4	134,660	1/4	123,136	1/4	100,088	1/4	77,039
1/2	1/2	157,468	1/2	134,420	1/2	122,896	1/2	99,847	1/2	76,799
3/4	3/4	157,228	3/4	134,180	3/4	122,656	3/4	99,607	3/4	76,559
6	6	156,988	6	133,940	6	122,415	6	99,367	6	76,319
1/4	1/4	156,748	1/4	133,700	1/4	122,175	1/4	99,127	1/4	76,079
1/2	1/2	156,508	1/2	133,459	1/2	121,935	1/2	98,887	1/2	75,839
3/4	3/4	156,268	3/4	133,219	3/4	121,695	3/4	98,647	3/4	75,599
7	7	156,028	7	132,979	7	121,455	7	98,407	7	75,359
1/4	1/4	155,787	1/4	132,739	1/4	121,215	1/4	98,167	1/4	75,119
1/2	1/2	155,547	1/2	132,499	1/2	120,975	1/2	97,927	1/2	74,879
3/4	3/4	155,307	3/4	132,259	3/4	120,735	3/4	97,687	3/4	74,638
8	8	155,067	8	132,019	8	120,495	8	97,447	8	74,398
1/4	1/4	154,827	1/4	131,779	1/4	120,255	1/4	97,206	1/4	74,158
1/2	1/2	154,587	1/2	131,539	1/2	120,015	1/2	96,966	1/2	73,918
3/4	3/4	154,347	3/4	131,299	3/4	119,775	3/4	96,726	3/4	73,678
9	9	154,107	9	131,059	9	119,534	9	96,486	9	73,438
1/4	1/4	153,867	1/4	130,818	1/4	119,294	1/4	96,246	1/4	73,198
1/2	1/2	153,627	1/2	130,578	1/2	119,054	1/2	96,006	1/2	72,958
3/4	3/4	153,387	3/4	130,338	3/4	118,814	3/4	95,766	3/4	72,718
10	10	153,146	10	130,098	10	118,574	10	95,526	10	72,478
1/4	1/4	152,906	1/4	129,858	1/4	118,334	1/4	95,286	1/4	72,238
1/2	1/2	152,666	1/2	129,618	1/2	118,094	1/2	95,046	1/2	71,997
3/4	3/4	152,426	3/4	129,378	3/4	117,854	3/4	94,806	3/4	71,757
11	11	152,186	11	129,138	11	117,614	11	94,566	11	71,517
1/4	1/4	151,946	1/4	128,898	1/4	117,374	1/4	94,325	1/4	71,277
1/2	1/2	151,706	1/2	128,658	1/2	117,134	1/2	94,085	1/2	71,037
3/4	3/4	151,466	3/4	128,418	3/4	116,894	3/4	93,845	3/4	70,797

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPWS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT GAUGES OF TANK.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.  
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-06" FORWARD OF AFT BULKHEAD.

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



# BARGE "IB 1972"

# 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	1/4	IN	1/4	IN	1/4	IN	1/4	IN	1/4	IN	1/4	IN	1/4	IN	1/4	IN	1/4	IN	1/4
0	59,033	0	47,509	0	36,006	0	24,743	0	13,219	0	1,704	0	0	0	0	0	0	0	0
1/4	58,793	1/4	47,269	1/4	35,773	1/4	24,502	1/4	12,979	1/4	1,466	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,553	1/2	47,029	1/2	35,539	1/2	24,262	1/2	12,739	1/2	1,266	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,313	3/4	46,788	3/4	35,306	3/4	24,022	3/4	12,499	3/4	1,066	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	58,073	1	46,548	1	35,073	1	23,782	1	12,259	1	866	1	1	1	1	1	1	1	1
1/4	57,832	1/4	46,308	1/4	34,840	1/4	23,542	1/4	12,018	1/4	666	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,592	1/2	46,068	1/2	34,607	1/2	23,302	1/2	11,778	1/2	546	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,352	3/4	45,828	3/4	34,374	3/4	23,062	3/4	11,538	3/4	426	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	57,112	2	45,588	2	34,141	2	22,822	2	11,298	2	306	2	2	2	2	2	2	2	2
1/4	56,872	1/4	45,348	1/4	33,908	1/4	22,582	1/4	11,058	1/4	186	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,632	1/2	45,108	1/2	33,675	1/2	22,342	1/2	10,818	1/2	146	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,392	3/4	44,868	3/4	33,442	3/4	22,102	3/4	10,578	3/4	106	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	56,152	3	44,628	3	33,209	3	21,862	3	10,338	3	66	3	3	3	3	3	3	3	3
1/4	55,912	1/4	44,388	1/4	32,976	1/4	21,622	1/4	10,098	1/4	26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,672	1/2	44,148	1/2	32,743	1/2	21,381	1/2	9,858	1/2	6	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,432	3/4	43,907	3/4	32,510	3/4	21,141	3/4	9,618	3/4	6	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	55,191	4	43,667	4	32,277	4	20,901	4	9,378	4	6	4	4	4	4	4	4	4	4
1/4	54,951	1/4	43,427	1/4	32,044	1/4	20,661	1/4	9,138	1/4	6	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,711	1/2	43,187	1/2	31,811	1/2	20,421	1/2	8,897	1/2	6	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,471	3/4	42,947	3/4	31,578	3/4	20,181	3/4	8,657	3/4	6	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	54,231	5	42,707	5	31,345	5	19,941	5	8,417	5	6	5	5	5	5	5	5	5	5
1/4	53,991	1/4	42,467	1/4	31,112	1/4	19,701	1/4	8,177	1/4	6	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,751	1/2	42,227	1/2	30,879	1/2	19,461	1/2	7,937	1/2	6	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,511	3/4	41,987	3/4	30,646	3/4	19,221	3/4	7,697	3/4	6	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	53,271	6	41,747	6	30,413	6	18,981	6	7,457	6	6	6	6	6	6	6	6	6	6
1/4	53,031	1/4	41,507	1/4	30,180	1/4	18,741	1/4	7,217	1/4	6	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,791	1/2	41,266	1/2	29,947	1/2	18,501	1/2	6,977	1/2	6	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,551	3/4	41,026	3/4	29,714	3/4	18,260	3/4	6,737	3/4	6	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	52,310	7	40,786	7	29,481	7	18,020	7	6,497	7	6	7	7	7	7	7	7	7	7
1/4	52,070	1/4	40,546	1/4	29,248	1/4	17,780	1/4	6,257	1/4	6	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,830	1/2	40,306	1/2	29,015	1/2	17,540	1/2	6,017	1/2	6	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,590	3/4	40,066	3/4	28,782	3/4	17,300	3/4	5,777	3/4	6	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	51,350	8	39,826	8	28,549	8	17,060	8	5,537	8	6	8	8	8	8	8	8	8	8
1/4	51,110	1/4	39,586	1/4	28,315	1/4	16,820	1/4	5,297	1/4	6	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,870	1/2	39,346	1/2	28,082	1/2	16,580	1/2	5,056	1/2	6	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,630	3/4	39,106	3/4	27,849	3/4	16,340	3/4	4,816	3/4	6	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	50,390	9	38,866	9	27,616	9	16,100	9	4,576	9	6	9	9	9	9	9	9	9	9
1/4	50,150	1/4	38,626	1/4	27,383	1/4	15,860	1/4	4,336	1/4	6	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,910	1/2	38,386	1/2	27,143	1/2	15,620	1/2	4,096	1/2	6	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,670	3/4	38,146	3/4	26,903	3/4	15,380	3/4	3,856	3/4	6	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	49,430	10	37,905	10	26,663	10	15,139	10	3,616	10	6	10	10	10	10	10	10	10	10
1/4	49,190	1/4	37,665	1/4	26,423	1/4	14,899	1/4	3,376	1/4	6	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,949	1/2	37,425	1/2	26,183	1/2	14,659	1/2	3,137	1/2	6	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,709	3/4	37,185	3/4	25,943	3/4	14,419	3/4	2,897	3/4	6	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	48,469	11	36,945	11	25,703	11	14,179	11	2,658	11	6	11	11	11	11	11	11	11	11
1/4	48,229	1/4	36,705	1/4	25,463	1/4	13,939	1/4	2,418	1/4	6	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,989	1/2	36,472	1/2	25,223	1/2	13,699	1/2	2,180	1/2	6	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,749	3/4	36,239	3/4	24,983	3/4	13,459	3/4	1,942	3/4	6	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: 05/05/2016 CL  
 CALCULATED: 05/05/2016 CL  
 PRINTED: 05/06/2016 JS  
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 ALL PRIOR TO 05/2016

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# BARGE "IB 1972"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	
0	0	151,032	0	139,597	0	128,162	0	116,727	0	105,292	0	93,857	0	82,422	0	70,987	0	59,552	0	48,117
1/4	1/4	150,793	1/4	139,358	1/4	127,924	1/4	116,489	1/4	105,054	1/4	93,619	1/4	82,184	1/4	70,749	1/4	59,314	1/4	47,879
1/2	1/2	150,555	1/2	139,120	1/2	127,685	1/2	116,250	1/2	104,816	1/2	93,381	1/2	81,946	1/2	70,511	1/2	58,979	1/2	47,541
3/4	3/4	150,317	3/4	138,882	3/4	127,447	3/4	116,012	3/4	104,577	3/4	93,142	3/4	81,708	3/4	70,273	3/4	58,741	3/4	47,301
1	1	150,079	1	138,644	1	127,209	1	115,774	1	104,339	1	92,904	1	81,469	1	70,034	1	58,503	1	47,063
1/4	1/4	149,840	1/4	138,405	1/4	126,971	1/4	115,536	1/4	104,101	1/4	92,666	1/4	81,231	1/4	69,796	1/4	58,267	1/4	46,828
1/2	1/2	149,602	1/2	138,167	1/2	126,732	1/2	115,298	1/2	103,863	1/2	92,428	1/2	80,993	1/2	69,558	1/2	58,039	1/2	46,589
3/4	3/4	149,364	3/4	137,929	3/4	126,494	3/4	115,059	3/4	103,624	3/4	92,190	3/4	80,755	3/4	69,320	3/4	57,820	3/4	46,350
2	2	149,126	2	137,691	2	126,256	2	114,823	2	103,386	2	91,951	2	80,516	2	69,082	2	57,582	2	46,112
1/4	1/4	148,887	1/4	137,453	1/4	126,018	1/4	114,583	1/4	103,148	1/4	91,713	1/4	80,278	1/4	68,843	1/4	57,343	1/4	45,873
1/2	1/2	148,649	1/2	137,214	1/2	125,779	1/2	114,345	1/2	102,910	1/2	91,475	1/2	80,040	1/2	68,605	1/2	57,105	1/2	45,635
3/4	3/4	148,411	3/4	136,976	3/4	125,541	3/4	114,106	3/4	102,672	3/4	91,237	3/4	79,802	3/4	68,367	3/4	56,867	3/4	45,397
3	3	148,173	3	136,738	3	125,303	3	113,868	3	102,433	3	90,998	3	79,564	3	68,129	3	56,629	3	45,159
1/4	1/4	147,935	1/4	136,500	1/4	125,065	1/4	113,630	1/4	102,195	1/4	90,760	1/4	79,325	1/4	67,890	1/4	56,390	1/4	44,920
1/2	1/2	147,696	1/2	136,261	1/2	124,827	1/2	113,391	1/2	101,957	1/2	90,522	1/2	79,087	1/2	67,652	1/2	56,152	1/2	44,682
3/4	3/4	147,458	3/4	136,023	3/4	124,588	3/4	113,153	3/4	101,719	3/4	90,284	3/4	78,849	3/4	67,414	3/4	55,914	3/4	44,444
4	4	147,220	4	135,785	4	124,350	4	112,915	4	101,480	4	90,045	4	78,611	4	67,176	4	55,676	4	44,206
1/4	1/4	146,982	1/4	135,547	1/4	124,112	1/4	112,677	1/4	101,242	1/4	89,807	1/4	78,372	1/4	66,938	1/4	55,438	1/4	43,968
1/2	1/2	146,743	1/2	135,309	1/2	123,874	1/2	112,439	1/2	101,004	1/2	89,569	1/2	78,134	1/2	66,699	1/2	55,200	1/2	43,730
3/4	3/4	146,505	3/4	135,070	3/4	123,635	3/4	112,201	3/4	100,766	3/4	89,331	3/4	77,896	3/4	66,461	3/4	54,962	3/4	43,492
5	5	146,267	5	134,832	5	123,397	5	111,962	5	100,527	5	89,093	5	77,658	5	66,223	5	54,724	5	43,254
1/4	1/4	146,029	1/4	134,594	1/4	123,159	1/4	111,724	1/4	100,289	1/4	88,854	1/4	77,419	1/4	65,985	1/4	54,486	1/4	43,016
1/2	1/2	145,791	1/2	134,356	1/2	122,921	1/2	111,486	1/2	100,050	1/2	88,616	1/2	77,181	1/2	65,747	1/2	54,248	1/2	42,778
3/4	3/4	145,552	3/4	134,117	3/4	122,683	3/4	111,248	3/4	99,813	3/4	88,378	3/4	76,943	3/4	65,508	3/4	54,010	3/4	42,540
6	6	145,314	6	133,879	6	122,444	6	111,009	6	99,575	6	88,140	6	76,705	6	65,270	6	53,772	6	42,302
1/4	1/4	145,076	1/4	133,641	1/4	122,206	1/4	110,771	1/4	99,336	1/4	87,901	1/4	76,467	1/4	65,032	1/4	53,534	1/4	42,064
1/2	1/2	144,838	1/2	133,403	1/2	121,968	1/2	110,533	1/2	99,098	1/2	87,663	1/2	76,228	1/2	64,793	1/2	53,296	1/2	41,826
3/4	3/4	144,599	3/4	133,165	3/4	121,730	3/4	110,295	3/4	98,860	3/4	87,425	3/4	75,990	3/4	64,555	3/4	53,058	3/4	41,588
7	7	144,361	7	132,926	7	121,491	7	110,057	7	98,622	7	87,187	7	75,757	7	64,317	7	52,820	7	41,350
1/4	1/4	144,123	1/4	132,688	1/4	121,253	1/4	109,818	1/4	98,383	1/4	86,949	1/4	75,514	1/4	64,079	1/4	52,582	1/4	41,112
1/2	1/2	143,885	1/2	132,450	1/2	121,015	1/2	109,580	1/2	98,145	1/2	86,710	1/2	75,275	1/2	63,841	1/2	52,344	1/2	40,874
3/4	3/4	143,646	3/4	132,212	3/4	120,777	3/4	109,342	3/4	97,907	3/4	86,472	3/4	75,037	3/4	63,602	3/4	52,106	3/4	40,636
8	8	143,408	8	131,973	8	120,538	8	109,104	8	97,669	8	86,234	8	74,799	8	63,364	8	51,869	8	40,398
1/4	1/4	143,170	1/4	131,735	1/4	120,300	1/4	108,865	1/4	97,431	1/4	85,996	1/4	74,561	1/4	63,126	1/4	51,631	1/4	40,160
1/2	1/2	142,932	1/2	131,497	1/2	120,062	1/2	108,627	1/2	97,192	1/2	85,757	1/2	74,323	1/2	62,888	1/2	51,393	1/2	40,022
3/4	3/4	142,694	3/4	131,259	3/4	119,824	3/4	108,389	3/4	96,954	3/4	85,519	3/4	74,084	3/4	62,649	3/4	51,155	3/4	39,784
9	9	142,455	9	131,020	9	119,586	9	108,151	9	96,716	9	85,281	9	73,846	9	62,411	9	50,919	9	39,546
1/4	1/4	142,217	1/4	130,782	1/4	119,347	1/4	107,912	1/4	96,478	1/4	85,043	1/4	73,608	1/4	62,173	1/4	50,680	1/4	39,308
1/2	1/2	141,979	1/2	130,544	1/2	119,109	1/2	107,674	1/2	96,239	1/2	84,805	1/2	73,370	1/2	61,935	1/2	50,442	1/2	39,070
3/4	3/4	141,741	3/4	130,306	3/4	118,871	3/4	107,436	3/4	96,001	3/4	84,566	3/4	73,131	3/4	61,697	3/4	50,203	3/4	38,832
10	10	141,502	10	130,068	10	118,633	10	107,198	10	95,763	10	84,328	10	72,893	10	61,458	10	50,065	10	38,594
1/4	1/4	141,264	1/4	129,829	1/4	118,394	1/4	106,960	1/4	95,525	1/4	84,090	1/4	72,655	1/4	61,220	1/4	49,827	1/4	38,356
1/2	1/2	141,026	1/2	129,591	1/2	118,156	1/2	106,721	1/2	95,286	1/2	83,852	1/2	72,417	1/2	60,982	1/2	49,589	1/2	38,118
3/4	3/4	140,788	3/4	129,353	3/4	117,918	3/4	106,483	3/4	95,048	3/4	83,613	3/4	72,178	3/4	60,744	3/4	49,350	3/4	37,880
11	11	140,550	11	129,115	11	117,680	11	106,245	11	94,810	11	83,375	11	71,940	11	60,505	11	49,113	11	37,642
1/4	1/4	140,311	1/4	128,876	1/4	117,442	1/4	106,007	1/4	94,572	1/4	83,137	1/4	71,702	1/4	60,267	1/4	48,875	1/4	37,404
1/2	1/2	140,073	1/2	128,638	1/2	117,203	1/2	105,768	1/2	94,334	1/2	82,899	1/2	71,464	1/2	60,029	1/2	48,637	1/2	37,166
3/4	3/4	139,835	3/4	128,400	3/4	116,965	3/4	105,530	3/4	94,095	3/4	82,660	3/4	71,226	3/4	59,791	3/4	48,429	3/4	36,928

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 ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.  
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-43" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77598  
<http://www.pmacorp.net>



# BARGE "IB 1972"

# 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	59,552	0	48,118	0	36,683	0	25,266	0	13,831	0	2,400	0	0	0	0	0	0	0	0
1/4	59,314	1/4	47,879	1/4	36,445	1/4	25,027	1/4	13,593	1/4	2,163	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,076	1/2	47,641	1/2	36,207	1/2	24,789	1/2	13,355	1/2	1,927	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,838	3/4	47,403	3/4	35,969	3/4	24,551	3/4	13,117	3/4	1,691	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	58,600	1	47,165	1	35,731	1	24,313	1	12,878	1	1,455	1	1	1	1	1	1	1	1
1/4	58,361	1/4	46,926	1/4	35,494	1/4	24,075	1/4	12,640	1/4	1,257	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,123	1/2	46,688	1/2	35,256	1/2	23,836	1/2	12,402	1/2	1,058	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,885	3/4	46,450	3/4	35,018	3/4	23,598	3/4	12,164	3/4	860	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	57,647	2	46,212	2	34,780	2	23,360	2	11,925	2	661	2	2	2	2	2	2	2	2
1/4	57,408	1/4	45,974	1/4	34,542	1/4	23,122	1/4	11,687	1/4	542	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,170	1/2	45,735	1/2	34,305	1/2	22,883	1/2	11,449	1/2	423	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,932	3/4	45,497	3/4	34,067	3/4	22,645	3/4	11,211	3/4	304	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	56,694	3	45,259	3	33,829	3	22,407	3	10,973	3	185	3	3	3	3	3	3	3	3
1/4	56,456	1/4	45,021	1/4	33,591	1/4	22,169	1/4	10,734	1/4	145	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,217	1/2	44,782	1/2	33,353	1/2	21,931	1/2	10,496	1/2	105	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,979	3/4	44,544	3/4	33,116	3/4	21,692	3/4	10,258	3/4	66	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	55,741	4	44,306	4	32,878	4	21,454	4	10,020	4	26	4	4	4	4	4	4	4	4
1/4	55,503	1/4	44,068	1/4	32,640	1/4	21,216	1/4	9,781	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,264	1/2	43,830	1/2	32,402	1/2	20,978	1/2	9,543	1/2	1/4	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,026	3/4	43,591	3/4	32,165	3/4	20,739	3/4	9,305	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	54,788	5	43,353	5	31,927	5	20,501	5	9,067	5	1/4	5	5	5	5	5	5	5	5
1/4	54,550	1/4	43,115	1/4	31,689	1/4	20,263	1/4	8,829	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,312	1/2	42,877	1/2	31,451	1/2	20,025	1/2	8,590	1/2	1/4	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,073	3/4	42,638	3/4	31,213	3/4	19,787	3/4	8,352	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	53,835	6	42,400	6	30,976	6	19,548	6	8,114	6	1/4	6	6	6	6	6	6	6	6
1/4	53,597	1/4	42,162	1/4	30,738	1/4	19,310	1/4	7,876	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,359	1/2	41,924	1/2	30,500	1/2	19,072	1/2	7,638	1/2	1/4	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,120	3/4	41,685	3/4	30,262	3/4	18,834	3/4	7,399	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	52,882	7	41,447	7	30,025	7	18,596	7	7,161	7	1/4	7	7	7	7	7	7	7	7
1/4	52,644	1/4	41,209	1/4	29,787	1/4	18,357	1/4	6,923	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,406	1/2	40,971	1/2	29,549	1/2	18,119	1/2	6,685	1/2	1/4	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,167	3/4	40,733	3/4	29,311	3/4	17,881	3/4	6,447	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	51,929	8	40,494	8	29,074	8	17,643	8	6,208	8	1/4	8	8	8	8	8	8	8	8
1/4	51,691	1/4	40,256	1/4	28,836	1/4	17,404	1/4	5,970	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,453	1/2	40,018	1/2	28,598	1/2	17,166	1/2	5,732	1/2	1/4	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,215	3/4	39,780	3/4	28,360	3/4	16,928	3/4	5,494	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	50,976	9	39,541	9	28,122	9	16,690	9	5,256	9	1/4	9	9	9	9	9	9	9	9
1/4	50,738	1/4	39,303	1/4	27,885	1/4	16,452	1/4	5,017	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,500	1/2	39,065	1/2	27,647	1/2	16,213	1/2	4,779	1/2	1/4	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,262	3/4	38,827	3/4	27,409	3/4	15,975	3/4	4,541	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	50,023	10	38,589	10	27,171	10	15,737	10	4,303	10	1/4	10	10	10	10	10	10	10	10
1/4	49,785	1/4	38,350	1/4	26,933	1/4	15,499	1/4	4,065	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,547	1/2	38,112	1/2	26,695	1/2	15,260	1/2	3,826	1/2	1/4	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,309	3/4	37,874	3/4	26,457	3/4	15,022	3/4	3,588	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	49,071	11	37,636	11	26,218	11	14,784	11	3,350	11	1/4	11	11	11	11	11	11	11	11
1/4	48,832	1/4	37,397	1/4	25,980	1/4	14,546	1/4	3,112	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,594	1/2	37,159	1/2	25,742	1/2	14,308	1/2	2,875	1/2	1/4	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,356	3/4	36,921	3/4	25,504	3/4	14,069	3/4	2,637	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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Pearland, Texas 77588  
<http://www.pmacorp.net>

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