



# BARGE "IB 1950"

## 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	- 00-0/8	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	00-1/4	- 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 3 CENTER IS - 00-1/4"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 3 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 182'-09"

June 5, 2015

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

<http://www.pmacorp.net>



# BARGE "IB 1950"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04"

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		0		0	147,125	0	139,360	0	131,594	0	122,544	0	110,540	0	98,547	0	86,555	0	74,562
1/4	1/4		1/4		146,964	1/4	139,198	1/4	131,432	1/4	122,294	1/4	110,291	1/4	98,298	1/4	86,305	1/4	74,312
1/2	1/2		1/2		146,802	1/2	139,036	1/2	131,271	1/2	122,044	1/2	110,041	1/2	98,048	1/2	86,055	1/2	74,062
3/4	3/4		3/4		146,640	3/4	138,874	3/4	131,109	3/4	121,793	3/4	109,791	3/4	97,798	3/4	85,805	3/4	73,812
1		1	153,217	1	146,478	1	138,713	1	130,947	1	121,543	1	109,541	1	97,548	1	85,556	1	73,562
1/4	1/4		153,165	1/4	146,317	1/4	138,551	1/4	130,785	1/4	121,292	1/4	109,291	1/4	97,298	1/4	85,306	1/4	73,313
1/2	1/2		153,114	1/2	146,155	1/2	138,389	1/2	130,623	1/2	121,042	1/2	109,041	1/2	97,048	1/2	85,056	1/2	73,063
3/4	3/4		153,062	3/4	145,993	3/4	138,227	3/4	130,462	3/4	120,792	3/4	108,791	3/4	96,799	3/4	84,806	3/4	72,813
2		2	153,011	2	145,831	2	138,066	2	130,300	2	120,541	2	108,542	2	96,549	2	84,556	2	72,563
1/4	1/4		152,941	1/4	145,669	1/4	137,904	1/4	130,138	1/4	120,291	1/4	108,292	1/4	96,299	1/4	84,306	1/4	72,313
1/2	1/2		152,871	1/2	145,508	1/2	137,742	1/2	129,976	1/2	120,041	1/2	108,042	1/2	96,049	1/2	84,056	1/2	72,063
3/4	3/4		152,802	3/4	145,346	3/4	137,580	3/4	129,815	3/4	119,790	3/4	107,792	3/4	95,799	3/4	83,807	3/4	71,813
3		3	152,732	3	145,184	3	137,418	3	129,653	3	119,540	3	107,542	3	95,549	3	83,557	3	71,564
1/4	1/4		152,616	1/4	145,022	1/4	137,257	1/4	129,491	1/4	119,290	1/4	107,292	1/4	95,300	1/4	83,307	1/4	71,314
1/2	1/2		152,500	1/2	144,860	1/2	137,095	1/2	129,329	1/2	119,039	1/2	107,042	1/2	95,050	1/2	83,057	1/2	71,064
3/4	3/4		152,385	3/4	144,699	3/4	136,933	3/4	129,167	3/4	118,789	3/4	106,793	3/4	94,800	3/4	82,807	3/4	70,814
4		4	152,269	4	144,537	4	136,771	4	129,006	4	118,539	4	106,543	4	94,550	4	82,557	4	70,564
1/4	1/4		152,115	1/4	144,375	1/4	136,609	1/4	128,844	1/4	118,288	1/4	106,293	1/4	94,300	1/4	82,307	1/4	70,314
1/2	1/2		151,961	1/2	144,213	1/2	136,448	1/2	128,682	1/2	118,038	1/2	106,043	1/2	94,050	1/2	82,058	1/2	70,064
3/4	3/4		151,806	3/4	144,052	3/4	136,286	3/4	128,520	3/4	117,787	3/4	105,793	3/4	93,801	3/4	81,808	3/4	69,815
5		5	151,652	5	143,890	5	136,124	5	128,358	5	117,537	5	105,543	5	93,551	5	81,558	5	69,565
1/4	1/4		151,491	1/4	143,728	1/4	135,962	1/4	128,197	1/4	117,287	1/4	105,293	1/4	93,301	1/4	81,308	1/4	69,315
1/2	1/2		151,330	1/2	143,566	1/2	135,801	1/2	128,035	1/2	117,037	1/2	105,044	1/2	93,051	1/2	81,058	1/2	69,065
3/4	3/4		151,169	3/4	143,404	3/4	135,639	3/4	127,873	3/4	116,787	3/4	104,794	3/4	92,801	3/4	80,808	3/4	68,815
6		6	151,008	6	143,243	6	135,477	6	127,711	6	116,537	6	104,544	6	92,551	6	80,558	6	68,565
1/4	1/4		150,846	1/4	143,081	1/4	135,315	1/4	127,550	1/4	116,287	1/4	104,294	1/4	92,302	1/4	80,309	1/4	68,316
1/2	1/2		150,684	1/2	142,919	1/2	135,153	1/2	127,388	1/2	116,037	1/2	104,044	1/2	92,052	1/2	80,059	1/2	68,066
3/4	3/4		150,523	3/4	142,757	3/4	134,992	3/4	127,226	3/4	115,787	3/4	103,794	3/4	91,802	3/4	79,809	3/4	67,817
7		7	150,361	7	142,595	7	134,830	7	127,064	7	115,538	7	103,544	7	91,552	7	79,559	7	67,567
1/4	1/4		150,199	1/4	142,434	1/4	134,668	1/4	126,902	1/4	115,288	1/4	103,295	1/4	91,302	1/4	79,309	1/4	67,318
1/2	1/2		150,038	1/2	142,272	1/2	134,506	1/2	126,741	1/2	115,038	1/2	103,045	1/2	91,052	1/2	79,059	1/2	67,069
3/4	3/4		149,876	3/4	142,110	3/4	134,344	3/4	126,579	3/4	114,788	3/4	102,795	3/4	90,803	3/4	78,809	3/4	66,820
8		8	149,714	8	141,948	8	134,183	8	126,417	8	114,538	8	102,545	8	90,553	8	78,560	8	66,570
1/4	1/4		149,552	1/4	141,787	1/4	134,021	1/4	126,200	1/4	114,288	1/4	102,295	1/4	90,303	1/4	78,310	1/4	66,321
1/2	1/2		149,390	1/2	141,625	1/2	133,859	1/2	125,983	1/2	114,038	1/2	102,045	1/2	90,053	1/2	78,060	1/2	66,072
3/4	3/4		149,229	3/4	141,463	3/4	133,697	3/4	125,766	3/4	113,789	3/4	101,795	3/4	89,803	3/4	77,810	3/4	65,823
9		9	149,067	9	141,301	9	133,536	9	125,548	9	113,539	9	101,546	9	89,553	9	77,560	9	65,573
1/4	1/4		148,905	1/4	141,139	1/4	133,374	1/4	125,298	1/4	113,289	1/4	101,296	1/4	89,303	1/4	77,310	1/4	65,324
1/2	1/2		148,743	1/2	140,978	1/2	133,212	1/2	125,048	1/2	113,039	1/2	101,046	1/2	89,054	1/2	77,060	1/2	65,075
3/4	3/4		148,581	3/4	140,816	3/4	133,050	3/4	124,797	3/4	112,789	3/4	100,796	3/4	88,804	3/4	76,811	3/4	64,826
10		10	148,420	10	140,654	10	132,888	10	124,547	10	112,539	10	100,546	10	88,554	10	76,561	10	64,576
1/4	1/4		148,258	1/4	140,492	1/4	132,727	1/4	124,297	1/4	112,289	1/4	100,296	1/4	88,304	1/4	76,311	1/4	64,327
1/2	1/2		148,096	1/2	140,330	1/2	132,565	1/2	124,046	1/2	112,040	1/2	100,046	1/2	88,054	1/2	76,061	1/2	64,078
3/4	3/4		147,934	3/4	140,169	3/4	132,403	3/4	123,796	3/4	111,790	3/4	99,797	3/4	87,804	3/4	75,811	3/4	63,829
11		11	147,773	11	140,007	11	132,241	11	123,546	11	111,540	11	99,547	11	87,554	11	75,561	11	63,579
1/4	1/4		147,611	1/4	139,845	1/4	132,080	1/4	123,295	1/4	111,290	1/4	99,297	1/4	87,305	1/4	75,311	1/4	63,330
1/2	1/2		147,449	1/2	139,683	1/2	131,918	1/2	123,045	1/2	111,040	1/2	99,047	1/2	87,055	1/2	75,062	1/2	63,081
3/4	3/4		147,287	3/4	139,522	3/4	131,756	3/4	122,795	3/4	110,790	3/4	98,797	3/4	86,805	3/4	74,812	3/4	62,832

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'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "IB 1950"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04"

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	62,582	0	50,604	0	38,617	0	26,890	0	14,896	0	2,896	0		0		0		0	
1/4	62,333	1/4	50,354	1/4	38,371	1/4	26,640	1/4	14,647	1/4	2,647	1/4		1/4		1/4		1/4	
1/2	62,084	1/2	50,104	1/2	38,125	1/2	26,390	1/2	14,397	1/2	2,398	1/2		1/2		1/2		1/2	
3/4	61,834	3/4	49,854	3/4	37,880	3/4	26,140	3/4	14,147	3/4	2,149	3/4		3/4		3/4		3/4	
1	61,585	1	49,605	1	37,634	1	25,891	1	13,897	1	1,901	1		1		1		1	
1/4	61,336	1/4	49,355	1/4	37,391	1/4	25,641	1/4	13,647	1/4	1,677	1/4		1/4		1/4		1/4	
1/2	61,087	1/2	49,105	1/2	37,148	1/2	25,391	1/2	13,397	1/2	1,454	1/2		1/2		1/2		1/2	
3/4	60,837	3/4	48,855	3/4	36,904	3/4	25,141	3/4	13,147	3/4	1,230	3/4		3/4		3/4		3/4	
2	60,588	2	48,606	2	36,661	2	24,891	2	12,897	2	1,007	2		2		2		2	
1/4	60,339	1/4	48,356	1/4	36,418	1/4	24,641	1/4	12,648	1/4	851	1/4		1/4		1/4		1/4	
1/2	60,090	1/2	48,106	1/2	36,175	1/2	24,391	1/2	12,398	1/2	694	1/2		1/2		1/2		1/2	
3/4	59,840	3/4	47,857	3/4	35,931	3/4	24,141	3/4	12,148	3/4	538	3/4		3/4		3/4		3/4	
3	59,591	3	47,607	3	35,688	3	23,892	3	11,898	3	381	3		3		3		3	
1/4	59,342	1/4	47,357	1/4	35,445	1/4	23,642	1/4	11,648	1/4	308	1/4		1/4		1/4		1/4	
1/2	59,093	1/2	47,107	1/2	35,202	1/2	23,392	1/2	11,398	1/2	235	1/2		1/2		1/2		1/2	
3/4	58,843	3/4	46,858	3/4	34,959	3/4	23,142	3/4	11,148	3/4	162	3/4		3/4		3/4		3/4	
4	58,594	4	46,608	4	34,715	4	22,892	4	10,898	4	89	4		4		4		4	
1/4	58,345	1/4	46,358	1/4	34,472	1/4	22,642	1/4	10,649	1/4		1/4		1/4		1/4		1/4	
1/2	58,095	1/2	46,108	1/2	34,229	1/2	22,392	1/2	10,399	1/2		1/2		1/2		1/2		1/2	
3/4	57,845	3/4	45,859	3/4	33,986	3/4	22,143	3/4	10,149	3/4		3/4		3/4		3/4		3/4	
5	57,596	5	45,609	5	33,743	5	21,893	5	9,899	5		5		5		5		5	
1/4	57,346	1/4	45,359	1/4	33,500	1/4	21,643	1/4	9,649	1/4		1/4		1/4		1/4		1/4	
1/2	57,096	1/2	45,110	1/2	33,256	1/2	21,393	1/2	9,399	1/2		1/2		1/2		1/2		1/2	
3/4	56,847	3/4	44,860	3/4	33,013	3/4	21,143	3/4	9,149	3/4		3/4		3/4		3/4		3/4	
6	56,597	6	44,610	6	32,770	6	20,893	6	8,899	6		6		6		6		6	
1/4	56,347	1/4	44,360	1/4	32,527	1/4	20,643	1/4	8,649	1/4		1/4		1/4		1/4		1/4	
1/2	56,098	1/2	44,111	1/2	32,284	1/2	20,393	1/2	8,399	1/2		1/2		1/2		1/2		1/2	
3/4	55,848	3/4	43,861	3/4	32,040	3/4	20,144	3/4	8,148	3/4		3/4		3/4		3/4		3/4	
7	55,598	7	43,611	7	31,797	7	19,894	7	7,898	7		7		7		7		7	
1/4	55,348	1/4	43,361	1/4	31,554	1/4	19,644	1/4	7,648	1/4		1/4		1/4		1/4		1/4	
1/2	55,099	1/2	43,112	1/2	31,311	1/2	19,394	1/2	7,398	1/2		1/2		1/2		1/2		1/2	
3/4	54,849	3/4	42,862	3/4	31,068	3/4	19,144	3/4	7,148	3/4		3/4		3/4		3/4		3/4	
8	54,599	8	42,612	8	30,824	8	18,894	8	6,898	8		8		8		8		8	
1/4	54,349	1/4	42,363	1/4	30,581	1/4	18,644	1/4	6,648	1/4		1/4		1/4		1/4		1/4	
1/2	54,100	1/2	42,113	1/2	30,338	1/2	18,395	1/2	6,398	1/2		1/2		1/2		1/2		1/2	
3/4	53,850	3/4	41,863	3/4	30,095	3/4	18,145	3/4	6,148	3/4		3/4		3/4		3/4		3/4	
9	53,600	9	41,613	9	29,852	9	17,895	9	5,898	9		9		9		9		9	
1/4	53,351	1/4	41,364	1/4	29,608	1/4	17,645	1/4	5,648	1/4		1/4		1/4		1/4		1/4	
1/2	53,101	1/2	41,114	1/2	29,365	1/2	17,395	1/2	5,397	1/2		1/2		1/2		1/2		1/2	
3/4	52,851	3/4	40,864	3/4	29,122	3/4	17,145	3/4	5,147	3/4		3/4		3/4		3/4		3/4	
10	52,601	10	40,614	10	28,879	10	16,895	10	4,897	10		10		10		10		10	
1/4	52,352	1/4	40,365	1/4	28,632	1/4	16,645	1/4	4,646	1/4		1/4		1/4		1/4		1/4	
1/2	52,102	1/2	40,115	1/2	28,384	1/2	16,396	1/2	4,396	1/2		1/2		1/2		1/2		1/2	
3/4	51,852	3/4	39,865	3/4	28,137	3/4	16,146	3/4	4,146	3/4		3/4		3/4		3/4		3/4	
11	51,602	11	39,616	11	27,889	11	15,896	11	3,895	11		11		11		11		11	
1/4	51,353	1/4	39,366	1/4	27,640	1/4	15,646	1/4	3,645	1/4		1/4		1/4		1/4		1/4	
1/2	51,103	1/2	39,116	1/2	27,390	1/2	15,396	1/2	3,396	1/2		1/2		1/2		1/2		1/2	
3/4	50,853	3/4	38,866	3/4	27,140	3/4	15,146	3/4	3,146	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/05/2015 CL  
CALCULATED: 06/05/2015 CL  
PRINTED: 06/05/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2015

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



# BARGE "IB 1950"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03"

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		0	161,109	0	151,056	0	139,554	0	128,052	0	116,550	0	105,047	0	93,545	0	82,043	0	70,541
1/4	1/4	161,060	1/4	150,816	1/4	139,314	1/4	127,812	1/4	116,310	1/4	104,808	1/4	93,306	1/4	81,804	1/4	70,301	
1/2	1/2	161,010	1/2	150,577	1/2	139,075	1/2	127,572	1/2	116,070	1/2	104,568	1/2	93,066	1/2	81,564	1/2	70,062	
3/4	3/4	160,961	3/4	150,337	3/4	138,835	3/4	127,333	3/4	115,831	3/4	104,329	3/4	92,826	3/4	81,324	3/4	69,822	
1		160,912	1	150,098	1	138,595	1	127,093	1	115,591	1	104,089	1	92,587	1	81,085	1	69,582	
1/4	1/4	160,792	1/4	149,858	1/4	138,356	1/4	126,854	1/4	115,351	1/4	103,849	1/4	92,347	1/4	80,845	1/4	69,343	
1/2	1/2	160,672	1/2	149,618	1/2	138,116	1/2	126,614	1/2	115,112	1/2	103,610	1/2	92,108	1/2	80,605	1/2	69,103	
3/4	3/4	160,552	3/4	149,379	3/4	137,877	3/4	126,374	3/4	114,872	3/4	103,370	3/4	91,868	3/4	80,366	3/4	68,864	
2		160,433	2	149,139	2	137,637	2	126,135	2	114,633	2	103,130	2	91,628	2	80,126	2	68,624	
1/4	1/4	160,237	1/4	148,899	1/4	137,397	1/4	125,895	1/4	114,393	1/4	102,891	1/4	91,389	1/4	79,886	1/4	68,384	
1/2	1/2	160,042	1/2	148,660	1/2	137,158	1/2	125,655	1/2	114,153	1/2	102,651	1/2	91,149	1/2	79,647	1/2	68,145	
3/4	3/4	159,846	3/4	148,420	3/4	136,918	3/4	125,416	3/4	113,914	3/4	102,412	3/4	90,909	3/4	79,407	3/4	67,905	
3		159,651	3	148,181	3	136,678	3	125,176	3	113,674	3	102,172	3	90,670	3	79,168	3	67,665	
1/4	1/4	159,418	1/4	147,941	1/4	136,439	1/4	124,937	1/4	113,434	1/4	101,932	1/4	90,430	1/4	78,928	1/4	67,426	
1/2	1/2	159,186	1/2	147,701	1/2	136,199	1/2	124,697	1/2	113,195	1/2	101,693	1/2	90,190	1/2	78,688	1/2	67,186	
3/4	3/4	158,953	3/4	147,462	3/4	135,959	3/4	124,457	3/4	112,955	3/4	101,453	3/4	89,951	3/4	78,449	3/4	66,947	
4		158,721	4	147,222	4	135,720	4	124,218	4	112,716	4	101,213	4	89,711	4	78,209	4	66,707	
1/4	1/4	158,482	1/4	146,982	1/4	135,480	1/4	123,978	1/4	112,476	1/4	100,974	1/4	89,472	1/4	77,969	1/4	66,467	
1/2	1/2	158,243	1/2	146,743	1/2	135,241	1/2	123,738	1/2	112,236	1/2	100,734	1/2	89,232	1/2	77,730	1/2	66,228	
3/4	3/4	158,004	3/4	146,503	3/4	135,001	3/4	123,499	3/4	111,997	3/4	100,495	3/4	88,992	3/4	77,490	3/4	65,988	
5		157,765	5	146,263	5	134,761	5	123,259	5	111,757	5	100,255	5	88,753	5	77,251	5	65,748	
1/4	1/4	157,526	1/4	146,024	1/4	134,522	1/4	123,020	1/4	111,517	1/4	100,015	1/4	88,513	1/4	77,011	1/4	65,509	
1/2	1/2	157,286	1/2	145,784	1/2	134,282	1/2	122,780	1/2	111,278	1/2	99,776	1/2	88,273	1/2	76,771	1/2	65,269	
3/4	3/4	157,047	3/4	145,545	3/4	134,042	3/4	122,540	3/4	111,038	3/4	99,536	3/4	88,034	3/4	76,532	3/4	65,030	
6		156,807	6	145,305	6	133,803	6	122,301	6	110,799	6	99,296	6	87,794	6	76,292	6	64,790	
1/4	1/4	156,567	1/4	145,065	1/4	133,563	1/4	122,061	1/4	110,559	1/4	99,057	1/4	87,555	1/4	76,052	1/4	64,550	
1/2	1/2	156,328	1/2	144,826	1/2	133,324	1/2	121,821	1/2	110,319	1/2	98,817	1/2	87,315	1/2	75,813	1/2	64,311	
3/4	3/4	156,088	3/4	144,586	3/4	133,084	3/4	121,582	3/4	110,080	3/4	98,577	3/4	87,075	3/4	75,573	3/4	64,071	
7		155,849	7	144,346	7	132,844	7	121,342	7	109,840	7	98,338	7	86,836	7	75,334	7	63,831	
1/4	1/4	155,609	1/4	144,107	1/4	132,605	1/4	121,103	1/4	109,600	1/4	98,098	1/4	86,596	1/4	75,094	1/4	63,592	
1/2	1/2	155,369	1/2	143,867	1/2	132,365	1/2	120,863	1/2	109,361	1/2	97,859	1/2	86,356	1/2	74,854	1/2	63,352	
3/4	3/4	155,130	3/4	143,628	3/4	132,125	3/4	120,623	3/4	109,121	3/4	97,619	3/4	86,117	3/4	74,615	3/4	63,113	
8		154,890	8	143,388	8	131,886	8	120,384	8	108,881	8	97,379	8	85,877	8	74,375	8	62,873	
1/4	1/4	154,650	1/4	143,148	1/4	131,646	1/4	120,144	1/4	108,642	1/4	97,140	1/4	85,638	1/4	74,135	1/4	62,633	
1/2	1/2	154,411	1/2	142,909	1/2	131,407	1/2	119,904	1/2	108,402	1/2	96,900	1/2	85,398	1/2	73,896	1/2	62,394	
3/4	3/4	154,171	3/4	142,669	3/4	131,167	3/4	119,665	3/4	108,163	3/4	96,660	3/4	85,158	3/4	73,656	3/4	62,154	
9		153,932	9	142,429	9	130,927	9	119,425	9	107,923	9	96,421	9	84,919	9	73,417	9	61,914	
1/4	1/4	153,692	1/4	142,190	1/4	130,688	1/4	119,186	1/4	107,683	1/4	96,181	1/4	84,679	1/4	73,177	1/4	61,675	
1/2	1/2	153,452	1/2	141,950	1/2	130,448	1/2	118,946	1/2	107,444	1/2	95,942	1/2	84,439	1/2	72,937	1/2	61,435	
3/4	3/4	153,213	3/4	141,711	3/4	130,208	3/4	118,706	3/4	107,204	3/4	95,702	3/4	84,200	3/4	72,698	3/4	61,195	
10		152,973	10	141,471	10	129,969	10	118,467	10	106,964	10	95,462	10	83,960	10	72,458	10	60,956	
1/4	1/4	152,733	1/4	141,231	1/4	129,729	1/4	118,227	1/4	106,725	1/4	95,223	1/4	83,721	1/4	72,218	1/4	60,716	
1/2	1/2	152,494	1/2	140,992	1/2	129,490	1/2	117,987	1/2	106,485	1/2	94,983	1/2	83,481	1/2	71,979	1/2	60,477	
3/4	3/4	152,254	3/4	140,752	3/4	129,250	3/4	117,748	3/4	106,246	3/4	94,743	3/4	83,241	3/4	71,739	3/4	60,237	
11		152,015	11	140,512	11	129,010	11	117,508	11	106,006	11	94,504	11	83,002	11	71,499	11	59,997	
1/4	1/4	151,775	1/4	140,273	1/4	128,771	1/4	117,268	1/4	105,766	1/4	94,264	1/4	82,762	1/4	71,260	1/4	59,758	
1/2	1/2	151,535	1/2	140,033	1/2	128,531	1/2	117,029	1/2	105,527	1/2	94,025	1/2	82,522	1/2	71,020	1/2	59,518	
3/4	3/4	151,296	3/4	139,794	3/4	128,291	3/4	116,789	3/4	105,287	3/4	93,785	3/4	82,283	3/4	70,781	3/4	59,278	

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'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "IB 1950"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03"

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	59,039	0	47,537	0	36,052	0	24,815	0	13,313	0	1,820	0		0		0		0	
1/4	58,799	1/4	47,297	1/4	35,819	1/4	24,575	1/4	13,074	1/4	1,606	1/4		1/4		1/4		1/4	
1/2	58,560	1/2	47,057	1/2	35,587	1/2	24,336	1/2	12,834	1/2	1,392	1/2		1/2		1/2		1/2	
3/4	58,320	3/4	46,818	3/4	35,354	3/4	24,096	3/4	12,594	3/4	1,178	3/4		3/4		3/4		3/4	
1	58,080	1	46,578	1	35,122	1	23,856	1	12,355	1	964	1		1		1		1	
1/4	57,841	1/4	46,339	1/4	34,889	1/4	23,617	1/4	12,115	1/4	815	1/4		1/4		1/4		1/4	
1/2	57,601	1/2	46,099	1/2	34,656	1/2	23,377	1/2	11,876	1/2	665	1/2		1/2		1/2		1/2	
3/4	57,361	3/4	45,859	3/4	34,424	3/4	23,138	3/4	11,636	3/4	515	3/4		3/4		3/4		3/4	
2	57,122	2	45,620	2	34,191	2	22,898	2	11,396	2	365	2		2		2		2	
1/4	56,882	1/4	45,380	1/4	33,959	1/4	22,658	1/4	11,157	1/4	296	1/4		1/4		1/4		1/4	
1/2	56,643	1/2	45,140	1/2	33,726	1/2	22,419	1/2	10,917	1/2	226	1/2		1/2		1/2		1/2	
3/4	56,403	3/4	44,901	3/4	33,494	3/4	22,179	3/4	10,677	3/4	156	3/4		3/4		3/4		3/4	
3	56,163	3	44,661	3	33,261	3	21,940	3	10,438	3	86	3		3		3		3	
1/4	55,924	1/4	44,422	1/4	33,029	1/4	21,700	1/4	10,198	1/4		1/4		1/4		1/4		1/4	
1/2	55,684	1/2	44,182	1/2	32,796	1/2	21,460	1/2	9,959	1/2		1/2		1/2		1/2		1/2	
3/4	55,444	3/4	43,942	3/4	32,563	3/4	21,221	3/4	9,719	3/4		3/4		3/4		3/4		3/4	
4	55,205	4	43,703	4	32,331	4	20,981	4	9,479	4		4		4		4		4	
1/4	54,965	1/4	43,463	1/4	32,098	1/4	20,741	1/4	9,240	1/4		1/4		1/4		1/4		1/4	
1/2	54,726	1/2	43,223	1/2	31,866	1/2	20,502	1/2	9,000	1/2		1/2		1/2		1/2		1/2	
3/4	54,486	3/4	42,984	3/4	31,633	3/4	20,262	3/4	8,760	3/4		3/4		3/4		3/4		3/4	
5	54,246	5	42,744	5	31,401	5	20,023	5	8,521	5		5		5		5		5	
1/4	54,007	1/4	42,504	1/4	31,168	1/4	19,783	1/4	8,281	1/4		1/4		1/4		1/4		1/4	
1/2	53,767	1/2	42,265	1/2	30,936	1/2	19,543	1/2	8,042	1/2		1/2		1/2		1/2		1/2	
3/4	53,527	3/4	42,025	3/4	30,703	3/4	19,304	3/4	7,802	3/4		3/4		3/4		3/4		3/4	
6	53,288	6	41,786	6	30,470	6	19,064	6	7,562	6		6		6		6		6	
1/4	53,048	1/4	41,546	1/4	30,238	1/4	18,824	1/4	7,323	1/4		1/4		1/4		1/4		1/4	
1/2	52,808	1/2	41,306	1/2	30,005	1/2	18,585	1/2	7,083	1/2		1/2		1/2		1/2		1/2	
3/4	52,569	3/4	41,067	3/4	29,773	3/4	18,345	3/4	6,844	3/4		3/4		3/4		3/4		3/4	
7	52,329	7	40,827	7	29,540	7	18,106	7	6,604	7		7		7		7		7	
1/4	52,090	1/4	40,587	1/4	29,308	1/4	17,866	1/4	6,364	1/4		1/4		1/4		1/4		1/4	
1/2	51,850	1/2	40,348	1/2	29,075	1/2	17,626	1/2	6,125	1/2		1/2		1/2		1/2		1/2	
3/4	51,610	3/4	40,108	3/4	28,843	3/4	17,387	3/4	5,885	3/4		3/4		3/4		3/4		3/4	
8	51,371	8	39,869	8	28,610	8	17,147	8	5,646	8		8		8		8		8	
1/4	51,131	1/4	39,629	1/4	28,377	1/4	16,908	1/4	5,406	1/4		1/4		1/4		1/4		1/4	
1/2	50,891	1/2	39,389	1/2	28,145	1/2	16,668	1/2	5,166	1/2		1/2		1/2		1/2		1/2	
3/4	50,652	3/4	39,150	3/4	27,912	3/4	16,428	3/4	4,927	3/4		3/4		3/4		3/4		3/4	
9	50,412	9	38,910	9	27,680	9	16,189	9	4,687	9		9		9		9		9	
1/4	50,173	1/4	38,670	1/4	27,443	1/4	15,949	1/4	4,448	1/4		1/4		1/4		1/4		1/4	
1/2	49,933	1/2	38,431	1/2	27,206	1/2	15,709	1/2	4,208	1/2		1/2		1/2		1/2		1/2	
3/4	49,693	3/4	38,191	3/4	26,969	3/4	15,470	3/4	3,968	3/4		3/4		3/4		3/4		3/4	
10	49,454	10	37,952	10	26,732	10	15,230	10	3,729	10		10		10		10		10	
1/4	49,214	1/4	37,712	1/4	26,492	1/4	14,991	1/4	3,490	1/4		1/4		1/4		1/4		1/4	
1/2	48,974	1/2	37,472	1/2	26,253	1/2	14,751	1/2	3,250	1/2		1/2		1/2		1/2		1/2	
3/4	48,735	3/4	37,233	3/4	26,013	3/4	14,511	3/4	3,011	3/4		3/4		3/4		3/4		3/4	
11	48,495	11	36,993	11	25,773	11	14,272	11	2,772	11		11		11		11		11	
1/4	48,256	1/4	36,758	1/4	25,534	1/4	14,032	1/4	2,534	1/4		1/4		1/4		1/4		1/4	
1/2	48,016	1/2	36,523	1/2	25,294	1/2	13,792	1/2	2,296	1/2		1/2		1/2		1/2		1/2	
3/4	47,776	3/4	36,287	3/4	25,055	3/4	13,553	3/4	2,058	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/05/2015 CL  
CALCULATED: 06/05/2015 CL  
PRINTED: 06/05/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2015

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



# BARGE "IB 1950"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03"

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		0	160,103	0	150,129	0	138,718	0	127,306	0	115,895	0	104,483	0	93,071	0	81,660	0	70,248
1/4	1/4	160,054	1/4	149,891	1/4	138,480	1/4	127,068	1/4	115,657	1/4	104,245	1/4	92,834	1/4	81,422	1/4	70,010	
1/2	1/2	160,005	1/2	149,654	1/2	138,242	1/2	126,831	1/2	115,419	1/2	104,007	1/2	92,596	1/2	81,184	1/2	69,773	
3/4	3/4	159,956	3/4	149,416	3/4	138,004	3/4	126,593	3/4	115,181	3/4	103,770	3/4	92,358	3/4	80,947	3/4	69,535	
1		1	159,907	1	149,178	1	137,767	1	126,355	1	114,944	1	103,532	1	92,120	1	80,709	1	69,297
1/4	1/4	159,788	1/4	148,941	1/4	137,529	1/4	126,117	1/4	114,706	1/4	103,294	1/4	91,883	1/4	80,471	1/4	69,060	
1/2	1/2	159,670	1/2	148,703	1/2	137,291	1/2	125,880	1/2	114,468	1/2	103,056	1/2	91,645	1/2	80,233	1/2	68,822	
3/4	3/4	159,551	3/4	148,465	3/4	137,053	3/4	125,642	3/4	114,230	3/4	102,819	3/4	91,407	3/4	79,996	3/4	68,584	
2		2	159,432	2	148,227	2	136,816	2	125,404	2	113,993	2	102,581	2	91,169	2	79,758	2	68,346
1/4	1/4	159,238	1/4	147,990	1/4	136,578	1/4	125,166	1/4	113,755	1/4	102,343	1/4	90,932	1/4	79,520	1/4	68,109	
1/2	1/2	159,044	1/2	147,752	1/2	136,340	1/2	124,929	1/2	113,517	1/2	102,106	1/2	90,694	1/2	79,282	1/2	67,871	
3/4	3/4	158,850	3/4	147,514	3/4	136,102	3/4	124,691	3/4	113,279	3/4	101,868	3/4	90,456	3/4	79,045	3/4	67,633	
3		3	158,656	3	147,276	3	135,865	3	124,453	3	113,042	3	101,630	3	90,218	3	78,807	3	67,395
1/4	1/4	158,426	1/4	147,039	1/4	135,627	1/4	124,215	1/4	112,804	1/4	101,392	1/4	89,981	1/4	78,569	1/4	67,158	
1/2	1/2	158,195	1/2	146,801	1/2	135,389	1/2	123,978	1/2	112,566	1/2	101,155	1/2	89,743	1/2	78,331	1/2	66,920	
3/4	3/4	157,964	3/4	146,563	3/4	135,152	3/4	123,740	3/4	112,328	3/4	100,917	3/4	89,505	3/4	78,094	3/4	66,682	
4		4	157,734	4	146,325	4	134,914	4	123,502	4	112,091	4	100,679	4	89,268	4	77,856	4	66,444
1/4	1/4	157,497	1/4	146,088	1/4	134,676	1/4	123,264	1/4	111,853	1/4	100,441	1/4	89,030	1/4	77,618	1/4	66,207	
1/2	1/2	157,259	1/2	145,850	1/2	134,438	1/2	123,027	1/2	111,615	1/2	100,204	1/2	88,792	1/2	77,380	1/2	65,969	
3/4	3/4	157,022	3/4	145,612	3/4	134,201	3/4	122,789	3/4	111,377	3/4	99,966	3/4	88,554	3/4	77,143	3/4	65,731	
5		5	156,785	5	145,374	5	133,963	5	122,551	5	111,140	5	99,728	5	88,317	5	76,905	5	65,493
1/4	1/4	156,548	1/4	145,137	1/4	133,725	1/4	122,314	1/4	110,902	1/4	99,490	1/4	88,079	1/4	76,667	1/4	65,256	
1/2	1/2	156,310	1/2	144,899	1/2	133,487	1/2	122,076	1/2	110,664	1/2	99,253	1/2	87,841	1/2	76,429	1/2	65,018	
3/4	3/4	156,073	3/4	144,661	3/4	133,250	3/4	121,838	3/4	110,426	3/4	99,015	3/4	87,603	3/4	76,192	3/4	64,780	
6		6	155,835	6	144,423	6	133,012	6	121,600	6	110,189	6	98,777	6	87,366	6	75,954	6	64,542
1/4	1/4	155,597	1/4	144,186	1/4	132,774	1/4	121,363	1/4	109,951	1/4	98,539	1/4	87,128	1/4	75,716	1/4	64,305	
1/2	1/2	155,359	1/2	143,948	1/2	132,536	1/2	121,125	1/2	109,713	1/2	98,302	1/2	86,890	1/2	75,479	1/2	64,067	
3/4	3/4	155,122	3/4	143,710	3/4	132,299	3/4	120,887	3/4	109,475	3/4	98,064	3/4	86,652	3/4	75,241	3/4	63,829	
7		7	154,884	7	143,472	7	132,061	7	120,649	7	109,238	7	97,826	7	86,415	7	75,003	7	63,591
1/4	1/4	154,646	1/4	143,235	1/4	131,823	1/4	120,412	1/4	109,000	1/4	97,588	1/4	86,177	1/4	74,765	1/4	63,354	
1/2	1/2	154,409	1/2	142,997	1/2	131,585	1/2	120,174	1/2	108,762	1/2	97,351	1/2	85,939	1/2	74,528	1/2	63,116	
3/4	3/4	154,171	3/4	142,759	3/4	131,348	3/4	119,936	3/4	108,525	3/4	97,113	3/4	85,701	3/4	74,290	3/4	62,878	
8		8	153,933	8	142,521	8	131,110	8	119,698	8	108,287	8	96,875	8	85,464	8	74,052	8	62,641
1/4	1/4	153,695	1/4	142,284	1/4	130,872	1/4	119,461	1/4	108,049	1/4	96,637	1/4	85,226	1/4	73,814	1/4	62,403	
1/2	1/2	153,458	1/2	142,046	1/2	130,634	1/2	119,223	1/2	107,811	1/2	96,400	1/2	84,988	1/2	73,577	1/2	62,165	
3/4	3/4	153,220	3/4	141,808	3/4	130,397	3/4	118,985	3/4	107,574	3/4	96,162	3/4	84,750	3/4	73,339	3/4	61,927	
9		9	152,982	9	141,571	9	130,159	9	118,747	9	107,336	9	95,924	9	84,513	9	73,101	9	61,690
1/4	1/4	152,744	1/4	141,333	1/4	129,921	1/4	118,510	1/4	107,098	1/4	95,687	1/4	84,275	1/4	72,863	1/4	61,452	
1/2	1/2	152,507	1/2	141,095	1/2	129,683	1/2	118,272	1/2	106,860	1/2	95,449	1/2	84,037	1/2	72,626	1/2	61,214	
3/4	3/4	152,269	3/4	140,857	3/4	129,446	3/4	118,034	3/4	106,623	3/4	95,211	3/4	83,799	3/4	72,388	3/4	60,976	
10		10	152,031	10	140,620	10	129,208	10	117,796	10	106,385	10	94,973	10	83,562	10	72,150	10	60,739
1/4	1/4	151,793	1/4	140,382	1/4	128,970	1/4	117,559	1/4	106,147	1/4	94,736	1/4	83,324	1/4	71,912	1/4	60,501	
1/2	1/2	151,556	1/2	140,144	1/2	128,733	1/2	117,321	1/2	105,909	1/2	94,498	1/2	83,086	1/2	71,675	1/2	60,263	
3/4	3/4	151,318	3/4	139,906	3/4	128,495	3/4	117,083	3/4	105,672	3/4	94,260	3/4	82,849	3/4	71,437	3/4	60,025	
11		11	151,080	11	139,669	11	128,257	11	116,845	11	105,434	11	94,022	11	82,611	11	71,199	11	59,788
1/4	1/4	150,842	1/4	139,431	1/4	128,019	1/4	116,608	1/4	105,196	1/4	93,785	1/4	82,373	1/4	70,961	1/4	59,550	
1/2	1/2	150,605	1/2	139,193	1/2	127,782	1/2	116,370	1/2	104,958	1/2	93,547	1/2	82,135	1/2	70,724	1/2	59,312	
3/4	3/4	150,367	3/4	138,955	3/4	127,544	3/4	116,132	3/4	104,721	3/4	93,309	3/4	81,898	3/4	70,486	3/4	59,074	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE 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 1950"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03"

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	58,837	0	47,425	0	36,015	0	24,620	0	13,209	0	1,805	0		0		0		0	
1/4	58,599	1/4	47,187	1/4	35,777	1/4	24,382	1/4	12,971	1/4	1,593	1/4		1/4		1/4		1/4	
1/2	58,361	1/2	46,950	1/2	35,540	1/2	24,144	1/2	12,733	1/2	1,381	1/2		1/2		1/2		1/2	
3/4	58,123	3/4	46,712	3/4	35,302	3/4	23,907	3/4	12,495	3/4	1,169	3/4		3/4		3/4		3/4	
1	57,886	1	46,474	1	35,065	1	23,669	1	12,258	1	957	1		1		1		1	
1/4	57,648	1/4	46,236	1/4	34,828	1/4	23,431	1/4	12,020	1/4	808	1/4		1/4		1/4		1/4	
1/2	57,410	1/2	45,999	1/2	34,591	1/2	23,193	1/2	11,782	1/2	660	1/2		1/2		1/2		1/2	
3/4	57,172	3/4	45,761	3/4	34,353	3/4	22,956	3/4	11,544	3/4	511	3/4		3/4		3/4		3/4	
2	56,935	2	45,523	2	34,116	2	22,718	2	11,307	2	363	2		2		2		2	
1/4	56,697	1/4	45,285	1/4	33,879	1/4	22,480	1/4	11,069	1/4	293	1/4		1/4		1/4		1/4	
1/2	56,459	1/2	45,048	1/2	33,641	1/2	22,242	1/2	10,831	1/2	224	1/2		1/2		1/2		1/2	
3/4	56,222	3/4	44,810	3/4	33,404	3/4	22,005	3/4	10,594	3/4	155	3/4		3/4		3/4		3/4	
3	55,984	3	44,572	3	33,167	3	21,767	3	10,356	3	86	3		3		3		3	
1/4	55,746	1/4	44,334	1/4	32,929	1/4	21,529	1/4	10,118	1/4		1/4		1/4		1/4		1/4	
1/2	55,508	1/2	44,097	1/2	32,692	1/2	21,291	1/2	9,880	1/2		1/2		1/2		1/2		1/2	
3/4	55,271	3/4	43,859	3/4	32,455	3/4	21,054	3/4	9,643	3/4		3/4		3/4		3/4		3/4	
4	55,033	4	43,621	4	32,218	4	20,816	4	9,405	4		4		4		4		4	
1/4	54,795	1/4	43,384	1/4	31,980	1/4	20,578	1/4	9,167	1/4		1/4		1/4		1/4		1/4	
1/2	54,557	1/2	43,146	1/2	31,743	1/2	20,341	1/2	8,929	1/2		1/2		1/2		1/2		1/2	
3/4	54,320	3/4	42,908	3/4	31,506	3/4	20,103	3/4	8,692	3/4		3/4		3/4		3/4		3/4	
5	54,082	5	42,670	5	31,268	5	19,865	5	8,454	5		5		5		5		5	
1/4	53,844	1/4	42,433	1/4	31,031	1/4	19,627	1/4	8,216	1/4		1/4		1/4		1/4		1/4	
1/2	53,606	1/2	42,195	1/2	30,794	1/2	19,390	1/2	7,979	1/2		1/2		1/2		1/2		1/2	
3/4	53,369	3/4	41,957	3/4	30,557	3/4	19,152	3/4	7,741	3/4		3/4		3/4		3/4		3/4	
6	53,131	6	41,719	6	30,319	6	18,914	6	7,503	6		6		6		6		6	
1/4	52,893	1/4	41,482	1/4	30,082	1/4	18,676	1/4	7,265	1/4		1/4		1/4		1/4		1/4	
1/2	52,655	1/2	41,244	1/2	29,845	1/2	18,439	1/2	7,028	1/2		1/2		1/2		1/2		1/2	
3/4	52,418	3/4	41,006	3/4	29,607	3/4	18,201	3/4	6,790	3/4		3/4		3/4		3/4		3/4	
7	52,180	7	40,768	7	29,370	7	17,963	7	6,552	7		7		7		7		7	
1/4	51,942	1/4	40,531	1/4	29,133	1/4	17,726	1/4	6,315	1/4		1/4		1/4		1/4		1/4	
1/2	51,704	1/2	40,293	1/2	28,896	1/2	17,488	1/2	6,077	1/2		1/2		1/2		1/2		1/2	
3/4	51,467	3/4	40,055	3/4	28,658	3/4	17,250	3/4	5,839	3/4		3/4		3/4		3/4		3/4	
8	51,229	8	39,817	8	28,421	8	17,012	8	5,601	8		8		8		8		8	
1/4	50,991	1/4	39,580	1/4	28,184	1/4	16,775	1/4	5,364	1/4		1/4		1/4		1/4		1/4	
1/2	50,753	1/2	39,342	1/2	27,946	1/2	16,537	1/2	5,126	1/2		1/2		1/2		1/2		1/2	
3/4	50,516	3/4	39,104	3/4	27,709	3/4	16,299	3/4	4,888	3/4		3/4		3/4		3/4		3/4	
9	50,278	9	38,866	9	27,472	9	16,061	9	4,650	9		9		9		9		9	
1/4	50,040	1/4	38,629	1/4	27,234	1/4	15,824	1/4	4,413	1/4		1/4		1/4		1/4		1/4	
1/2	49,803	1/2	38,391	1/2	26,997	1/2	15,586	1/2	4,175	1/2		1/2		1/2		1/2		1/2	
3/4	49,565	3/4	38,153	3/4	26,759	3/4	15,348	3/4	3,937	3/4		3/4		3/4		3/4		3/4	
10	49,327	10	37,915	10	26,522	10	15,110	10	3,700	10		10		10		10		10	
1/4	49,089	1/4	37,678	1/4	26,284	1/4	14,873	1/4	3,462	1/4		1/4		1/4		1/4		1/4	
1/2	48,852	1/2	37,440	1/2	26,046	1/2	14,635	1/2	3,225	1/2		1/2		1/2		1/2		1/2	
3/4	48,614	3/4	37,202	3/4	25,808	3/4	14,397	3/4	2,988	3/4		3/4		3/4		3/4		3/4	
11	48,376	11	36,964	11	25,571	11	14,160	11	2,750	11		11		11		11		11	
1/4	48,138	1/4	36,727	1/4	25,333	1/4	13,922	1/4	2,514	1/4		1/4		1/4		1/4		1/4	
1/2	47,901	1/2	36,490	1/2	25,095	1/2	13,684	1/2	2,278	1/2		1/2		1/2		1/2		1/2	
3/4	47,663	3/4	36,252	3/4	24,857	3/4	13,446	3/4	2,042	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/05/2015 CL  
CALCULATED: 06/05/2015 CL  
PRINTED: 06/05/2015 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2015

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