



BARGE "IB 1951"

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 1951"

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	147,100	0	139,336	0	131,572	0	122,523	0	110,522	0	98,530	0	86,540	0	74,549
1/4	1/4		1/4	146,939	1/4	139,174	1/4	131,410	1/4	122,273	1/4	110,272	1/4	98,281	1/4	86,290	1/4	74,299	
1/2	1/2		1/2	146,777	1/2	139,013	1/2	131,248	1/2	122,023	1/2	110,022	1/2	98,031	1/2	86,041	1/2	74,049	
3/4	3/4		3/4	146,615	3/4	138,851	3/4	131,087	3/4	121,772	3/4	109,772	3/4	97,781	3/4	85,791	3/4	73,800	
1		1	153,191	1	146,453	1	138,689	1	130,925	1	121,522	1	109,522	1	97,531	1	85,541	1	73,550
1/4	1/4	1/4	153,140	1/4	146,292	1/4	138,527	1/4	130,763	1/4	121,272	1/4	109,272	1/4	97,282	1/4	85,291	1/4	73,300
1/2	1/2	1/2	153,088	1/2	146,130	1/2	138,366	1/2	130,601	1/2	121,021	1/2	109,023	1/2	97,032	1/2	85,041	1/2	73,050
3/4	3/4	3/4	153,037	3/4	145,968	3/4	138,204	3/4	130,439	3/4	120,771	3/4	108,773	3/4	96,782	3/4	84,791	3/4	72,800
2		2	152,985	2	145,806	2	138,042	2	130,278	2	120,521	2	108,523	2	96,532	2	84,542	2	72,551
1/4	1/4	1/4	152,915	1/4	145,645	1/4	137,880	1/4	130,116	1/4	120,271	1/4	108,273	1/4	96,282	1/4	84,292	1/4	72,301
1/2	1/2	1/2	152,845	1/2	145,483	1/2	137,719	1/2	129,954	1/2	120,020	1/2	108,023	1/2	96,033	1/2	84,042	1/2	72,051
3/4	3/4	3/4	152,776	3/4	145,321	3/4	137,557	3/4	129,792	3/4	119,770	3/4	107,774	3/4	95,783	3/4	83,792	3/4	71,801
3		3	152,706	3	145,159	3	137,395	3	129,631	3	119,520	3	107,524	3	95,533	3	83,542	3	71,551
1/4	1/4	1/4	152,590	1/4	144,998	1/4	137,233	1/4	129,469	1/4	119,269	1/4	107,274	1/4	95,283	1/4	83,293	1/4	71,301
1/2	1/2	1/2	152,475	1/2	144,836	1/2	137,072	1/2	129,307	1/2	119,019	1/2	107,024	1/2	95,033	1/2	83,043	1/2	71,052
3/4	3/4	3/4	152,359	3/4	144,674	3/4	136,910	3/4	129,145	3/4	118,769	3/4	106,774	3/4	94,784	3/4	82,793	3/4	70,802
4		4	152,243	4	144,512	4	136,748	4	128,984	4	118,518	4	106,525	4	94,534	4	82,543	4	70,552
1/4	1/4	1/4	152,089	1/4	144,351	1/4	136,586	1/4	128,822	1/4	118,268	1/4	106,275	1/4	94,284	1/4	82,293	1/4	70,302
1/2	1/2	1/2	151,935	1/2	144,189	1/2	136,424	1/2	128,660	1/2	118,018	1/2	106,025	1/2	94,034	1/2	82,044	1/2	70,052
3/4	3/4	3/4	151,780	3/4	144,027	3/4	136,263	3/4	128,498	3/4	117,767	3/4	105,775	3/4	93,785	3/4	81,794	3/4	69,803
5		5	151,626	5	143,865	5	136,101	5	128,337	5	117,517	5	105,525	5	93,535	5	81,544	5	69,553
1/4	1/4	1/4	151,465	1/4	143,704	1/4	135,939	1/4	128,175	1/4	117,267	1/4	105,275	1/4	93,285	1/4	81,294	1/4	69,303
1/2	1/2	1/2	151,304	1/2	143,542	1/2	135,777	1/2	128,013	1/2	117,017	1/2	105,026	1/2	93,035	1/2	81,044	1/2	69,053
3/4	3/4	3/4	151,143	3/4	143,380	3/4	135,616	3/4	127,851	3/4	116,767	3/4	104,776	3/4	92,785	3/4	80,794	3/4	68,803
6		6	150,982	6	143,218	6	135,454	6	127,690	6	116,517	6	104,526	6	92,536	6	80,545	6	68,553
1/4	1/4	1/4	150,820	1/4	143,057	1/4	135,292	1/4	127,528	1/4	116,267	1/4	104,276	1/4	92,286	1/4	80,295	1/4	68,304
1/2	1/2	1/2	150,659	1/2	142,895	1/2	135,130	1/2	127,366	1/2	116,017	1/2	104,026	1/2	92,036	1/2	80,045	1/2	68,055
3/4	3/4	3/4	150,497	3/4	142,733	3/4	134,969	3/4	127,204	3/4	115,768	3/4	103,777	3/4	91,786	3/4	79,795	3/4	67,805
7		7	150,336	7	142,571	7	134,807	7	127,043	7	115,518	7	103,527	7	91,536	7	79,545	7	67,556
1/4	1/4	1/4	150,174	1/4	142,410	1/4	134,645	1/4	126,881	1/4	115,268	1/4	103,277	1/4	91,287	1/4	79,296	1/4	67,307
1/2	1/2	1/2	150,012	1/2	142,248	1/2	134,483	1/2	126,719	1/2	115,018	1/2	103,027	1/2	91,037	1/2	79,046	1/2	67,057
3/4	3/4	3/4	149,850	3/4	142,086	3/4	134,322	3/4	126,557	3/4	114,768	3/4	102,777	3/4	90,787	3/4	78,796	3/4	66,808
8		8	149,689	8	141,924	8	134,160	8	126,396	8	114,519	8	102,527	8	90,537	8	78,546	8	66,559
1/4	1/4	1/4	149,527	1/4	141,762	1/4	133,998	1/4	126,178	1/4	114,269	1/4	102,278	1/4	90,287	1/4	78,296	1/4	66,310
1/2	1/2	1/2	149,365	1/2	141,601	1/2	133,836	1/2	125,961	1/2	114,019	1/2	102,028	1/2	90,038	1/2	78,046	1/2	66,060
3/4	3/4	3/4	149,203	3/4	141,439	3/4	133,675	3/4	125,744	3/4	113,769	3/4	101,778	3/4	89,788	3/4	77,797	3/4	65,811
9		9	149,042	9	141,277	9	133,513	9	125,527	9	113,519	9	101,528	9	89,538	9	77,547	9	65,562
1/4	1/4	1/4	148,880	1/4	141,115	1/4	133,351	1/4	125,277	1/4	113,270	1/4	101,278	1/4	89,288	1/4	77,297	1/4	65,313
1/2	1/2	1/2	148,718	1/2	140,954	1/2	133,189	1/2	125,027	1/2	113,020	1/2	101,029	1/2	89,038	1/2	77,047	1/2	65,064
3/4	3/4	3/4	148,556	3/4	140,792	3/4	133,028	3/4	124,776	3/4	112,770	3/4	100,779	3/4	88,789	3/4	76,797	3/4	64,814
10		10	148,395	10	140,630	10	132,866	10	124,526	10	112,520	10	100,529	10	88,539	10	76,548	10	64,565
1/4	1/4	1/4	148,233	1/4	140,468	1/4	132,704	1/4	124,276	1/4	112,270	1/4	100,279	1/4	88,289	1/4	76,298	1/4	64,316
1/2	1/2	1/2	148,071	1/2	140,307	1/2	132,542	1/2	124,025	1/2	112,020	1/2	100,029	1/2	88,039	1/2	76,048	1/2	64,067
3/4	3/4	3/4	147,909	3/4	140,145	3/4	132,381	3/4	123,775	3/4	111,771	3/4	99,780	3/4	87,789	3/4	75,798	3/4	63,818
11		11	147,747	11	139,983	11	132,219	11	123,525	11	111,521	11	99,530	11	87,539	11	75,548	11	63,568
1/4	1/4	1/4	147,586	1/4	139,821	1/4	132,057	1/4	123,274	1/4	111,271	1/4	99,280	1/4	87,290	1/4	75,299	1/4	63,319
1/2	1/2	1/2	147,424	1/2	139,660	1/2	131,895	1/2	123,024	1/2	111,021	1/2	99,030	1/2	87,040	1/2	75,049	1/2	63,070
3/4	3/4	3/4	147,262	3/4	139,498	3/4	131,734	3/4	122,774	3/4	110,771	3/4	98,780	3/4	86,790	3/4	74,799	3/4	62,821

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.

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Pearland, Texas 77588
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BARGE "IB 1951"

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	62,571	0	50,595	0	38,610	0	26,885	0	14,894	0	2,895	0		0		0		0	
1/4	62,322	1/4	50,345	1/4	38,364	1/4	26,635	1/4	14,644	1/4	2,646	1/4		1/4		1/4		1/4	
1/2	62,073	1/2	50,095	1/2	38,119	1/2	26,386	1/2	14,394	1/2	2,397	1/2		1/2		1/2		1/2	
3/4	61,824	3/4	49,846	3/4	37,873	3/4	26,136	3/4	14,144	3/4	2,149	3/4		3/4		3/4		3/4	
1	61,575	1	49,596	1	37,627	1	25,886	1	13,894	1	1,900	1		1		1		1	
1/4	61,325	1/4	49,346	1/4	37,384	1/4	25,636	1/4	13,644	1/4	1,677	1/4		1/4		1/4		1/4	
1/2	61,076	1/2	49,097	1/2	37,141	1/2	25,386	1/2	13,395	1/2	1,453	1/2		1/2		1/2		1/2	
3/4	60,827	3/4	48,847	3/4	36,898	3/4	25,136	3/4	13,145	3/4	1,230	3/4		3/4		3/4		3/4	
2	60,578	2	48,597	2	36,655	2	24,887	2	12,895	2	1,006	2		2		2		2	
1/4	60,329	1/4	48,348	1/4	36,411	1/4	24,637	1/4	12,645	1/4	850	1/4		1/4		1/4		1/4	
1/2	60,079	1/2	48,098	1/2	36,168	1/2	24,387	1/2	12,395	1/2	694	1/2		1/2		1/2		1/2	
3/4	59,830	3/4	47,848	3/4	35,925	3/4	24,137	3/4	12,145	3/4	537	3/4		3/4		3/4		3/4	
3	59,581	3	47,599	3	35,682	3	23,887	3	11,896	3	381	3		3		3		3	
1/4	59,332	1/4	47,349	1/4	35,439	1/4	23,637	1/4	11,646	1/4	308	1/4		1/4		1/4		1/4	
1/2	59,082	1/2	47,099	1/2	35,196	1/2	23,388	1/2	11,396	1/2	235	1/2		1/2		1/2		1/2	
3/4	58,833	3/4	46,849	3/4	34,952	3/4	23,138	3/4	11,146	3/4	162	3/4		3/4		3/4		3/4	
4	58,584	4	46,600	4	34,709	4	22,888	4	10,896	4	89	4		4		4		4	
1/4	58,334	1/4	46,350	1/4	34,466	1/4	22,638	1/4	10,646	1/4		1/4		1/4		1/4		1/4	
1/2	58,085	1/2	46,100	1/2	34,223	1/2	22,388	1/2	10,397	1/2		1/2		1/2		1/2		1/2	
3/4	57,835	3/4	45,851	3/4	33,980	3/4	22,138	3/4	10,147	3/4		3/4		3/4		3/4		3/4	
5	57,586	5	45,601	5	33,737	5	21,889	5	9,897	5		5		5		5		5	
1/4	57,336	1/4	45,351	1/4	33,494	1/4	21,639	1/4	9,647	1/4		1/4		1/4		1/4		1/4	
1/2	57,087	1/2	45,102	1/2	33,250	1/2	21,389	1/2	9,397	1/2		1/2		1/2		1/2		1/2	
3/4	56,837	3/4	44,852	3/4	33,007	3/4	21,139	3/4	9,147	3/4		3/4		3/4		3/4		3/4	
6	56,587	6	44,602	6	32,764	6	20,889	6	8,897	6		6		6		6		6	
1/4	56,338	1/4	44,353	1/4	32,521	1/4	20,640	1/4	8,647	1/4		1/4		1/4		1/4		1/4	
1/2	56,088	1/2	44,103	1/2	32,278	1/2	20,390	1/2	8,397	1/2		1/2		1/2		1/2		1/2	
3/4	55,838	3/4	43,853	3/4	32,035	3/4	20,140	3/4	8,147	3/4		3/4		3/4		3/4		3/4	
7	55,588	7	43,604	7	31,792	7	19,890	7	7,897	7		7		7		7		7	
1/4	55,339	1/4	43,354	1/4	31,548	1/4	19,640	1/4	7,647	1/4		1/4		1/4		1/4		1/4	
1/2	55,089	1/2	43,104	1/2	31,305	1/2	19,390	1/2	7,397	1/2		1/2		1/2		1/2		1/2	
3/4	54,839	3/4	42,854	3/4	31,062	3/4	19,141	3/4	7,147	3/4		3/4		3/4		3/4		3/4	
8	54,590	8	42,605	8	30,819	8	18,891	8	6,897	8		8		8		8		8	
1/4	54,340	1/4	42,355	1/4	30,576	1/4	18,641	1/4	6,647	1/4		1/4		1/4		1/4		1/4	
1/2	54,090	1/2	42,105	1/2	30,333	1/2	18,391	1/2	6,397	1/2		1/2		1/2		1/2		1/2	
3/4	53,841	3/4	41,856	3/4	30,089	3/4	18,141	3/4	6,147	3/4		3/4		3/4		3/4		3/4	
9	53,591	9	41,606	9	29,846	9	17,891	9	5,897	9		9		9		9		9	
1/4	53,341	1/4	41,356	1/4	29,603	1/4	17,642	1/4	5,646	1/4		1/4		1/4		1/4		1/4	
1/2	53,092	1/2	41,107	1/2	29,360	1/2	17,392	1/2	5,396	1/2		1/2		1/2		1/2		1/2	
3/4	52,842	3/4	40,857	3/4	29,117	3/4	17,142	3/4	5,146	3/4		3/4		3/4		3/4		3/4	
10	52,592	10	40,607	10	28,874	10	16,892	10	4,896	10		10		10		10		10	
1/4	52,343	1/4	40,358	1/4	28,626	1/4	16,642	1/4	4,645	1/4		1/4		1/4		1/4		1/4	
1/2	52,093	1/2	40,108	1/2	28,379	1/2	16,393	1/2	4,395	1/2		1/2		1/2		1/2		1/2	
3/4	51,843	3/4	39,858	3/4	28,132	3/4	16,143	3/4	4,145	3/4		3/4		3/4		3/4		3/4	
11	51,593	11	39,609	11	27,884	11	15,893	11	3,894	11		11		11		11		11	
1/4	51,344	1/4	39,359	1/4	27,635	1/4	15,643	1/4	3,645	1/4		1/4		1/4		1/4		1/4	
1/2	51,094	1/2	39,109	1/2	27,385	1/2	15,393	1/2	3,395	1/2		1/2		1/2		1/2		1/2	
3/4	50,844	3/4	38,860	3/4	27,135	3/4	15,143	3/4	3,145	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.
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Pearland, Texas 77588
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BARGE "IB 1951"

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	161,307	0	151,242	0	139,725	0	128,209	0	116,693	0	105,177	0	93,661	0	82,144	0	70,628
1/4	1/4	161,258	1/4	151,002	1/4	139,486	1/4	127,969	1/4	116,453	1/4	104,937	1/4	93,421	1/4	81,904	1/4	70,388	
1/2	1/2	161,208	1/2	150,762	1/2	139,246	1/2	127,729	1/2	116,213	1/2	104,697	1/2	93,181	1/2	81,664	1/2	70,148	
3/4	3/4	161,159	3/4	150,522	3/4	139,006	3/4	127,489	3/4	115,973	3/4	104,457	3/4	92,941	3/4	81,425	3/4	69,908	
1	1	161,110	1	150,282	1	138,766	1	127,250	1	115,733	1	104,217	1	92,701	1	81,185	1	69,668	
1/4	1/4	160,990	1/4	150,042	1/4	138,526	1/4	127,010	1/4	115,493	1/4	103,977	1/4	92,461	1/4	80,945	1/4	69,428	
1/2	1/2	160,870	1/2	149,802	1/2	138,286	1/2	126,770	1/2	115,253	1/2	103,737	1/2	92,221	1/2	80,705	1/2	69,188	
3/4	3/4	160,750	3/4	149,562	3/4	138,046	3/4	126,530	3/4	115,014	3/4	103,497	3/4	91,981	3/4	80,465	3/4	68,949	
2	2	160,630	2	149,322	2	137,806	2	126,290	2	114,774	2	103,257	2	91,741	2	80,225	2	68,709	
1/4	1/4	160,434	1/4	149,082	1/4	137,566	1/4	126,050	1/4	114,534	1/4	103,017	1/4	91,501	1/4	79,985	1/4	68,469	
1/2	1/2	160,238	1/2	148,842	1/2	137,326	1/2	125,810	1/2	114,294	1/2	102,778	1/2	91,261	1/2	79,745	1/2	68,229	
3/4	3/4	160,043	3/4	148,603	3/4	137,086	3/4	125,570	3/4	114,054	3/4	102,538	3/4	91,021	3/4	79,505	3/4	67,989	
3	3	159,847	3	148,363	3	136,846	3	125,330	3	113,814	3	102,298	3	90,781	3	79,265	3	67,749	
1/4	1/4	159,614	1/4	148,123	1/4	136,606	1/4	125,090	1/4	113,574	1/4	102,058	1/4	90,542	1/4	79,025	1/4	67,509	
1/2	1/2	159,381	1/2	147,883	1/2	136,367	1/2	124,850	1/2	113,334	1/2	101,818	1/2	90,302	1/2	78,785	1/2	67,269	
3/4	3/4	159,149	3/4	147,643	3/4	136,127	3/4	124,610	3/4	113,094	3/4	101,578	3/4	90,062	3/4	78,545	3/4	67,029	
4	4	158,916	4	147,403	4	135,887	4	124,370	4	112,854	4	101,338	4	89,822	4	78,306	4	66,789	
1/4	1/4	158,677	1/4	147,163	1/4	135,647	1/4	124,131	1/4	112,614	1/4	101,098	1/4	89,582	1/4	78,066	1/4	66,549	
1/2	1/2	158,437	1/2	146,923	1/2	135,407	1/2	123,891	1/2	112,374	1/2	100,858	1/2	89,342	1/2	77,826	1/2	66,309	
3/4	3/4	158,198	3/4	146,683	3/4	135,167	3/4	123,651	3/4	112,134	3/4	100,618	3/4	89,102	3/4	77,586	3/4	66,070	
5	5	157,959	5	146,443	5	134,927	5	123,411	5	111,895	5	100,378	5	88,862	5	77,346	5	65,830	
1/4	1/4	157,719	1/4	146,203	1/4	134,687	1/4	123,171	1/4	111,655	1/4	100,138	1/4	88,622	1/4	77,106	1/4	65,590	
1/2	1/2	157,479	1/2	145,963	1/2	134,447	1/2	122,931	1/2	111,415	1/2	99,898	1/2	88,382	1/2	76,866	1/2	65,350	
3/4	3/4	157,240	3/4	145,724	3/4	134,207	3/4	122,691	3/4	111,175	3/4	99,659	3/4	88,142	3/4	76,626	3/4	65,110	
6	6	157,000	6	145,484	6	133,967	6	122,451	6	110,935	6	99,419	6	87,902	6	76,386	6	64,870	
1/4	1/4	156,760	1/4	145,244	1/4	133,727	1/4	122,211	1/4	110,695	1/4	99,179	1/4	87,662	1/4	76,146	1/4	64,630	
1/2	1/2	156,520	1/2	145,004	1/2	133,488	1/2	121,971	1/2	110,455	1/2	98,939	1/2	87,423	1/2	75,906	1/2	64,390	
3/4	3/4	156,280	3/4	144,764	3/4	133,248	3/4	121,731	3/4	110,215	3/4	98,699	3/4	87,183	3/4	75,666	3/4	64,150	
7	7	156,040	7	144,524	7	133,008	7	121,491	7	109,975	7	98,459	7	86,943	7	75,426	7	63,910	
1/4	1/4	155,800	1/4	144,284	1/4	132,768	1/4	121,252	1/4	109,735	1/4	98,219	1/4	86,703	1/4	75,187	1/4	63,670	
1/2	1/2	155,560	1/2	144,044	1/2	132,528	1/2	121,012	1/2	109,495	1/2	97,979	1/2	86,463	1/2	74,947	1/2	63,430	
3/4	3/4	155,320	3/4	143,804	3/4	132,288	3/4	120,772	3/4	109,255	3/4	97,739	3/4	86,223	3/4	74,707	3/4	63,190	
8	8	155,080	8	143,564	8	132,048	8	120,532	8	109,015	8	97,499	8	85,983	8	74,467	8	62,951	
1/4	1/4	154,841	1/4	143,324	1/4	131,808	1/4	120,292	1/4	108,776	1/4	97,259	1/4	85,743	1/4	74,227	1/4	62,711	
1/2	1/2	154,601	1/2	143,084	1/2	131,568	1/2	120,052	1/2	108,536	1/2	97,019	1/2	85,503	1/2	73,987	1/2	62,471	
3/4	3/4	154,361	3/4	142,844	3/4	131,328	3/4	119,812	3/4	108,296	3/4	96,779	3/4	85,263	3/4	73,747	3/4	62,231	
9	9	154,121	9	142,605	9	131,088	9	119,572	9	108,056	9	96,540	9	85,023	9	73,507	9	61,991	
1/4	1/4	153,881	1/4	142,365	1/4	130,848	1/4	119,332	1/4	107,816	1/4	96,300	1/4	84,783	1/4	73,267	1/4	61,751	
1/2	1/2	153,641	1/2	142,125	1/2	130,608	1/2	119,092	1/2	107,576	1/2	96,060	1/2	84,543	1/2	73,027	1/2	61,511	
3/4	3/4	153,401	3/4	141,885	3/4	130,369	3/4	118,852	3/4	107,336	3/4	95,820	3/4	84,304	3/4	72,787	3/4	61,271	
10	10	153,161	10	141,645	10	130,129	10	118,612	10	107,096	10	95,580	10	84,064	10	72,547	10	61,031	
1/4	1/4	152,921	1/4	141,405	1/4	129,889	1/4	118,372	1/4	106,856	1/4	95,340	1/4	83,824	1/4	72,307	1/4	60,791	
1/2	1/2	152,681	1/2	141,165	1/2	129,649	1/2	118,133	1/2	106,616	1/2	95,100	1/2	83,584	1/2	72,068	1/2	60,551	
3/4	3/4	152,441	3/4	140,925	3/4	129,409	3/4	117,893	3/4	106,376	3/4	94,860	3/4	83,344	3/4	71,828	3/4	60,311	
11	11	152,201	11	140,685	11	129,169	11	117,653	11	106,136	11	94,620	11	83,104	11	71,588	11	60,071	
1/4	1/4	151,961	1/4	140,445	1/4	128,929	1/4	117,413	1/4	105,897	1/4	94,380	1/4	82,864	1/4	71,348	1/4	59,832	
1/2	1/2	151,722	1/2	140,205	1/2	128,689	1/2	117,173	1/2	105,657	1/2	94,140	1/2	82,624	1/2	71,108	1/2	59,592	
3/4	3/4	151,482	3/4	139,965	3/4	128,449	3/4	116,933	3/4	105,417	3/4	93,900	3/4	82,384	3/4	70,868	3/4	59,352	

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 1951"

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	59,112	0	47,596	0	36,097	0	24,846	0	13,330	0	1,822	0		0		0		0	
1/4	58,872	1/4	47,356	1/4	35,864	1/4	24,606	1/4	13,090	1/4	1,608	1/4		1/4		1/4		1/4	
1/2	58,632	1/2	47,116	1/2	35,631	1/2	24,366	1/2	12,850	1/2	1,394	1/2		1/2		1/2		1/2	
3/4	58,392	3/4	46,876	3/4	35,398	3/4	24,126	3/4	12,610	3/4	1,180	3/4		3/4		3/4		3/4	
1	58,152	1	46,636	1	35,165	1	23,886	1	12,371	1	966	1		1		1		1	
1/4	57,912	1/4	46,396	1/4	34,932	1/4	23,646	1/4	12,131	1/4	816	1/4		1/4		1/4		1/4	
1/2	57,672	1/2	46,156	1/2	34,700	1/2	23,407	1/2	11,891	1/2	666	1/2		1/2		1/2		1/2	
3/4	57,432	3/4	45,916	3/4	34,467	3/4	23,167	3/4	11,651	3/4	516	3/4		3/4		3/4		3/4	
2	57,192	2	45,676	2	34,234	2	22,927	2	11,411	2	367	2		2		2		2	
1/4	56,952	1/4	45,436	1/4	34,001	1/4	22,687	1/4	11,171	1/4	297	1/4		1/4		1/4		1/4	
1/2	56,713	1/2	45,196	1/2	33,768	1/2	22,447	1/2	10,931	1/2	227	1/2		1/2		1/2		1/2	
3/4	56,473	3/4	44,956	3/4	33,535	3/4	22,207	3/4	10,691	3/4	157	3/4		3/4		3/4		3/4	
3	56,233	3	44,716	3	33,302	3	21,967	3	10,451	3	86	3		3		3		3	
1/4	55,993	1/4	44,477	1/4	33,070	1/4	21,727	1/4	10,211	1/4		1/4		1/4		1/4		1/4	
1/2	55,753	1/2	44,237	1/2	32,837	1/2	21,487	1/2	9,971	1/2		1/2		1/2		1/2		1/2	
3/4	55,513	3/4	43,997	3/4	32,604	3/4	21,247	3/4	9,732	3/4		3/4		3/4		3/4		3/4	
4	55,273	4	43,757	4	32,371	4	21,007	4	9,492	4		4		4		4		4	
1/4	55,033	1/4	43,517	1/4	32,138	1/4	20,767	1/4	9,252	1/4		1/4		1/4		1/4		1/4	
1/2	54,793	1/2	43,277	1/2	31,905	1/2	20,528	1/2	9,012	1/2		1/2		1/2		1/2		1/2	
3/4	54,553	3/4	43,037	3/4	31,673	3/4	20,288	3/4	8,772	3/4		3/4		3/4		3/4		3/4	
5	54,313	5	42,797	5	31,440	5	20,048	5	8,532	5		5		5		5		5	
1/4	54,073	1/4	42,557	1/4	31,207	1/4	19,808	1/4	8,292	1/4		1/4		1/4		1/4		1/4	
1/2	53,834	1/2	42,317	1/2	30,974	1/2	19,568	1/2	8,052	1/2		1/2		1/2		1/2		1/2	
3/4	53,594	3/4	42,077	3/4	30,741	3/4	19,328	3/4	7,812	3/4		3/4		3/4		3/4		3/4	
6	53,354	6	41,837	6	30,508	6	19,088	6	7,572	6		6		6		6		6	
1/4	53,114	1/4	41,597	1/4	30,276	1/4	18,848	1/4	7,332	1/4		1/4		1/4		1/4		1/4	
1/2	52,874	1/2	41,358	1/2	30,043	1/2	18,608	1/2	7,093	1/2		1/2		1/2		1/2		1/2	
3/4	52,634	3/4	41,118	3/4	29,810	3/4	18,368	3/4	6,853	3/4		3/4		3/4		3/4		3/4	
7	52,394	7	40,878	7	29,577	7	18,128	7	6,613	7		7		7		7		7	
1/4	52,154	1/4	40,638	1/4	29,344	1/4	17,889	1/4	6,373	1/4		1/4		1/4		1/4		1/4	
1/2	51,914	1/2	40,398	1/2	29,111	1/2	17,649	1/2	6,133	1/2		1/2		1/2		1/2		1/2	
3/4	51,674	3/4	40,158	3/4	28,879	3/4	17,409	3/4	5,893	3/4		3/4		3/4		3/4		3/4	
8	51,434	8	39,918	8	28,646	8	17,169	8	5,653	8		8		8		8		8	
1/4	51,194	1/4	39,678	1/4	28,413	1/4	16,929	1/4	5,413	1/4		1/4		1/4		1/4		1/4	
1/2	50,954	1/2	39,438	1/2	28,180	1/2	16,689	1/2	5,173	1/2		1/2		1/2		1/2		1/2	
3/4	50,715	3/4	39,198	3/4	27,947	3/4	16,449	3/4	4,933	3/4		3/4		3/4		3/4		3/4	
9	50,475	9	38,958	9	27,714	9	16,209	9	4,694	9		9		9		9		9	
1/4	50,235	1/4	38,718	1/4	27,477	1/4	15,969	1/4	4,454	1/4		1/4		1/4		1/4		1/4	
1/2	49,995	1/2	38,479	1/2	27,240	1/2	15,729	1/2	4,214	1/2		1/2		1/2		1/2		1/2	
3/4	49,755	3/4	38,239	3/4	27,003	3/4	15,489	3/4	3,974	3/4		3/4		3/4		3/4		3/4	
10	49,515	10	37,999	10	26,765	10	15,249	10	3,734	10		10		10		10		10	
1/4	49,275	1/4	37,759	1/4	26,525	1/4	15,010	1/4	3,495	1/4		1/4		1/4		1/4		1/4	
1/2	49,035	1/2	37,519	1/2	26,285	1/2	14,770	1/2	3,255	1/2		1/2		1/2		1/2		1/2	
3/4	48,795	3/4	37,279	3/4	26,046	3/4	14,530	3/4	3,016	3/4		3/4		3/4		3/4		3/4	
11	48,555	11	37,039	11	25,806	11	14,290	11	2,776	11		11		11		11		11	
1/4	48,315	1/4	36,803	1/4	25,566	1/4	14,050	1/4	2,538	1/4		1/4		1/4		1/4		1/4	
1/2	48,075	1/2	36,568	1/2	25,326	1/2	13,810	1/2	2,299	1/2		1/2		1/2		1/2		1/2	
3/4	47,835	3/4	36,332	3/4	25,086	3/4	13,570	3/4	2,061	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 1951"

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	159,962	0	149,997	0	138,596	0	127,194	0	115,792	0	104,391	0	92,989	0	81,588	0	70,186
1/4	1/4	159,913	1/4	149,759	1/4	138,358	1/4	126,956	1/4	115,555	1/4	104,153	1/4	92,752	1/4	81,350	1/4	69,949	
1/2	1/2	159,864	1/2	149,522	1/2	138,120	1/2	126,719	1/2	115,317	1/2	103,916	1/2	92,514	1/2	81,113	1/2	69,711	
3/4	3/4	159,815	3/4	149,284	3/4	137,883	3/4	126,481	3/4	115,080	3/4	103,678	3/4	92,277	3/4	80,875	3/4	69,474	
1		159,767	1	149,047	1	137,645	1	126,244	1	114,842	1	103,441	1	92,039	1	80,638	1	69,236	
1/4	1/4	159,648	1/4	148,809	1/4	137,408	1/4	126,006	1/4	114,605	1/4	103,203	1/4	91,802	1/4	80,400	1/4	68,999	
1/2	1/2	159,529	1/2	148,572	1/2	137,170	1/2	125,769	1/2	114,367	1/2	102,966	1/2	91,564	1/2	80,163	1/2	68,761	
3/4	3/4	159,410	3/4	148,334	3/4	136,933	3/4	125,531	3/4	114,130	3/4	102,728	3/4	91,327	3/4	79,925	3/4	68,524	
2		159,291	2	148,097	2	136,695	2	125,294	2	113,892	2	102,491	2	91,089	2	79,688	2	68,286	
1/4	1/4	159,098	1/4	147,859	1/4	136,458	1/4	125,056	1/4	113,655	1/4	102,253	1/4	90,852	1/4	79,450	1/4	68,049	
1/2	1/2	158,904	1/2	147,622	1/2	136,220	1/2	124,819	1/2	113,417	1/2	102,016	1/2	90,614	1/2	79,213	1/2	67,811	
3/4	3/4	158,710	3/4	147,384	3/4	135,983	3/4	124,581	3/4	113,180	3/4	101,778	3/4	90,377	3/4	78,975	3/4	67,574	
3		158,517	3	147,147	3	135,745	3	124,344	3	112,942	3	101,541	3	90,139	3	78,738	3	67,336	
1/4	1/4	158,286	1/4	146,909	1/4	135,508	1/4	124,106	1/4	112,705	1/4	101,303	1/4	89,902	1/4	78,500	1/4	67,099	
1/2	1/2	158,056	1/2	146,672	1/2	135,270	1/2	123,869	1/2	112,467	1/2	101,066	1/2	89,664	1/2	78,263	1/2	66,861	
3/4	3/4	157,825	3/4	146,434	3/4	135,033	3/4	123,631	3/4	112,230	3/4	100,828	3/4	89,427	3/4	78,025	3/4	66,624	
4		157,595	4	146,197	4	134,795	4	123,394	4	111,992	4	100,590	4	89,189	4	77,787	4	66,386	
1/4	1/4	157,358	1/4	145,959	1/4	134,557	1/4	123,156	1/4	111,754	1/4	100,353	1/4	88,951	1/4	77,550	1/4	66,148	
1/2	1/2	157,121	1/2	145,721	1/2	134,320	1/2	122,918	1/2	111,517	1/2	100,115	1/2	88,714	1/2	77,312	1/2	65,911	
3/4	3/4	156,884	3/4	145,484	3/4	134,082	3/4	122,681	3/4	111,279	3/4	99,878	3/4	88,476	3/4	77,075	3/4	65,673	
5		156,647	5	145,246	5	133,845	5	122,443	5	111,042	5	99,640	5	88,239	5	76,837	5	65,436	
1/4	1/4	156,410	1/4	145,009	1/4	133,607	1/4	122,206	1/4	110,804	1/4	99,403	1/4	88,001	1/4	76,600	1/4	65,198	
1/2	1/2	156,173	1/2	144,771	1/2	133,370	1/2	121,968	1/2	110,567	1/2	99,165	1/2	87,764	1/2	76,362	1/2	64,961	
3/4	3/4	155,935	3/4	144,534	3/4	133,132	3/4	121,731	3/4	110,329	3/4	98,928	3/4	87,526	3/4	76,125	3/4	64,723	
6		155,698	6	144,296	6	132,895	6	121,493	6	110,092	6	98,690	6	87,289	6	75,887	6	64,486	
1/4	1/4	155,460	1/4	144,059	1/4	132,657	1/4	121,256	1/4	109,854	1/4	98,453	1/4	87,051	1/4	75,650	1/4	64,248	
1/2	1/2	155,223	1/2	143,821	1/2	132,420	1/2	121,018	1/2	109,617	1/2	98,215	1/2	86,814	1/2	75,412	1/2	64,011	
3/4	3/4	154,985	3/4	143,584	3/4	132,182	3/4	120,781	3/4	109,379	3/4	97,978	3/4	86,576	3/4	75,175	3/4	63,773	
7		154,748	7	143,346	7	131,945	7	120,543	7	109,142	7	97,740	7	86,339	7	74,937	7	63,536	
1/4	1/4	154,510	1/4	143,109	1/4	131,707	1/4	120,306	1/4	108,904	1/4	97,503	1/4	86,101	1/4	74,700	1/4	63,298	
1/2	1/2	154,273	1/2	142,871	1/2	131,470	1/2	120,068	1/2	108,667	1/2	97,265	1/2	85,864	1/2	74,462	1/2	63,061	
3/4	3/4	154,035	3/4	142,634	3/4	131,232	3/4	119,831	3/4	108,429	3/4	97,028	3/4	85,626	3/4	74,225	3/4	62,823	
8		153,798	8	142,396	8	130,995	8	119,593	8	108,191	8	96,790	8	85,388	8	73,987	8	62,585	
1/4	1/4	153,560	1/4	142,158	1/4	130,757	1/4	119,355	1/4	107,954	1/4	96,552	1/4	85,151	1/4	73,749	1/4	62,348	
1/2	1/2	153,322	1/2	141,921	1/2	130,519	1/2	119,118	1/2	107,716	1/2	96,315	1/2	84,913	1/2	73,512	1/2	62,110	
3/4	3/4	153,085	3/4	141,683	3/4	130,282	3/4	118,880	3/4	107,479	3/4	96,077	3/4	84,676	3/4	73,274	3/4	61,873	
9		152,847	9	141,446	9	130,044	9	118,643	9	107,241	9	95,840	9	84,438	9	73,037	9	61,635	
1/4	1/4	152,610	1/4	141,208	1/4	129,807	1/4	118,405	1/4	107,004	1/4	95,602	1/4	84,201	1/4	72,799	1/4	61,398	
1/2	1/2	152,372	1/2	140,971	1/2	129,569	1/2	118,168	1/2	106,766	1/2	95,365	1/2	83,963	1/2	72,562	1/2	61,160	
3/4	3/4	152,135	3/4	140,733	3/4	129,332	3/4	117,930	3/4	106,529	3/4	95,127	3/4	83,726	3/4	72,324	3/4	60,923	
10		151,897	10	140,496	10	129,094	10	117,693	10	106,291	10	94,890	10	83,488	10	72,087	10	60,685	
1/4	1/4	151,660	1/4	140,258	1/4	128,857	1/4	117,455	1/4	106,054	1/4	94,652	1/4	83,251	1/4	71,849	1/4	60,448	
1/2	1/2	151,422	1/2	140,021	1/2	128,619	1/2	117,218	1/2	105,816	1/2	94,415	1/2	83,013	1/2	71,612	1/2	60,210	
3/4	3/4	151,185	3/4	139,783	3/4	128,382	3/4	116,980	3/4	105,579	3/4	94,177	3/4	82,776	3/4	71,374	3/4	59,973	
11		150,947	11	139,546	11	128,144	11	116,743	11	105,341	11	93,940	11	82,538	11	71,137	11	59,735	
1/4	1/4	150,710	1/4	139,308	1/4	127,907	1/4	116,505	1/4	105,104	1/4	93,702	1/4	82,301	1/4	70,899	1/4	59,498	
1/2	1/2	150,472	1/2	139,071	1/2	127,669	1/2	116,268	1/2	104,866	1/2	93,465	1/2	82,063	1/2	70,662	1/2	59,260	
3/4	3/4	150,235	3/4	138,833	3/4	127,432	3/4	116,030	3/4	104,629	3/4	93,227	3/4	81,826	3/4	70,424	3/4	59,023	

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 1951"

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	58,785	0	47,383	0	35,983	0	24,598	0	13,197	0	1,804	0		0		0		0	
1/4	58,547	1/4	47,146	1/4	35,746	1/4	24,361	1/4	12,960	1/4	1,592	1/4		1/4		1/4		1/4	
1/2	58,310	1/2	46,908	1/2	35,509	1/2	24,123	1/2	12,722	1/2	1,380	1/2		1/2		1/2		1/2	
3/4	58,072	3/4	46,671	3/4	35,272	3/4	23,886	3/4	12,485	3/4	1,168	3/4		3/4		3/4		3/4	
1	57,835	1	46,433	1	35,034	1	23,648	1	12,247	1	956	1		1		1		1	
1/4	57,597	1/4	46,196	1/4	34,797	1/4	23,411	1/4	12,010	1/4	808	1/4		1/4		1/4		1/4	
1/2	57,360	1/2	45,958	1/2	34,560	1/2	23,173	1/2	11,772	1/2	660	1/2		1/2		1/2		1/2	
3/4	57,122	3/4	45,721	3/4	34,323	3/4	22,936	3/4	11,535	3/4	511	3/4		3/4		3/4		3/4	
2	56,885	2	45,483	2	34,086	2	22,698	2	11,297	2	363	2		2		2		2	
1/4	56,647	1/4	45,246	1/4	33,849	1/4	22,461	1/4	11,059	1/4	293	1/4		1/4		1/4		1/4	
1/2	56,410	1/2	45,008	1/2	33,612	1/2	22,223	1/2	10,822	1/2	224	1/2		1/2		1/2		1/2	
3/4	56,172	3/4	44,771	3/4	33,375	3/4	21,985	3/4	10,584	3/4	155	3/4		3/4		3/4		3/4	
3	55,935	3	44,533	3	33,138	3	21,748	3	10,347	3	86	3		3		3		3	
1/4	55,697	1/4	44,296	1/4	32,901	1/4	21,510	1/4	10,109	1/4		1/4		1/4		1/4		1/4	
1/2	55,460	1/2	44,058	1/2	32,664	1/2	21,273	1/2	9,872	1/2		1/2		1/2		1/2		1/2	
3/4	55,222	3/4	43,821	3/4	32,426	3/4	21,035	3/4	9,634	3/4		3/4		3/4		3/4		3/4	
4	54,984	4	43,583	4	32,189	4	20,798	4	9,397	4		4		4		4		4	
1/4	54,747	1/4	43,345	1/4	31,952	1/4	20,560	1/4	9,159	1/4		1/4		1/4		1/4		1/4	
1/2	54,509	1/2	43,108	1/2	31,715	1/2	20,323	1/2	8,922	1/2		1/2		1/2		1/2		1/2	
3/4	54,272	3/4	42,870	3/4	31,478	3/4	20,085	3/4	8,684	3/4		3/4		3/4		3/4		3/4	
5	54,034	5	42,633	5	31,241	5	19,848	5	8,447	5		5		5		5		5	
1/4	53,797	1/4	42,395	1/4	31,004	1/4	19,610	1/4	8,209	1/4		1/4		1/4		1/4		1/4	
1/2	53,559	1/2	42,158	1/2	30,767	1/2	19,373	1/2	7,972	1/2		1/2		1/2		1/2		1/2	
3/4	53,322	3/4	41,920	3/4	30,530	3/4	19,135	3/4	7,734	3/4		3/4		3/4		3/4		3/4	
6	53,084	6	41,683	6	30,293	6	18,898	6	7,497	6		6		6		6		6	
1/4	52,847	1/4	41,445	1/4	30,056	1/4	18,660	1/4	7,259	1/4		1/4		1/4		1/4		1/4	
1/2	52,609	1/2	41,208	1/2	29,819	1/2	18,423	1/2	7,022	1/2		1/2		1/2		1/2		1/2	
3/4	52,372	3/4	40,970	3/4	29,582	3/4	18,185	3/4	6,784	3/4		3/4		3/4		3/4		3/4	
7	52,134	7	40,733	7	29,344	7	17,948	7	6,547	7		7		7		7		7	
1/4	51,897	1/4	40,495	1/4	29,107	1/4	17,710	1/4	6,309	1/4		1/4		1/4		1/4		1/4	
1/2	51,659	1/2	40,258	1/2	28,870	1/2	17,473	1/2	6,072	1/2		1/2		1/2		1/2		1/2	
3/4	51,422	3/4	40,020	3/4	28,633	3/4	17,235	3/4	5,834	3/4		3/4		3/4		3/4		3/4	
8	51,184	8	39,782	8	28,396	8	16,998	8	5,597	8		8		8		8		8	
1/4	50,946	1/4	39,545	1/4	28,159	1/4	16,760	1/4	5,359	1/4		1/4		1/4		1/4		1/4	
1/2	50,709	1/2	39,307	1/2	27,922	1/2	16,522	1/2	5,122	1/2		1/2		1/2		1/2		1/2	
3/4	50,471	3/4	39,070	3/4	27,685	3/4	16,285	3/4	4,884	3/4		3/4		3/4		3/4		3/4	
9	50,234	9	38,832	9	27,448	9	16,047	9	4,647	9		9		9		9		9	
1/4	49,996	1/4	38,595	1/4	27,210	1/4	15,810	1/4	4,409	1/4		1/4		1/4		1/4		1/4	
1/2	49,759	1/2	38,357	1/2	26,973	1/2	15,572	1/2	4,172	1/2		1/2		1/2		1/2		1/2	
3/4	49,521	3/4	38,120	3/4	26,736	3/4	15,335	3/4	3,934	3/4		3/4		3/4		3/4		3/4	
10	49,284	10	37,882	10	26,498	10	15,097	10	3,697	10		10		10		10		10	
1/4	49,046	1/4	37,645	1/4	26,261	1/4	14,860	1/4	3,460	1/4		1/4		1/4		1/4		1/4	
1/2	48,809	1/2	37,407	1/2	26,023	1/2	14,622	1/2	3,222	1/2		1/2		1/2		1/2		1/2	
3/4	48,571	3/4	37,170	3/4	25,786	3/4	14,385	3/4	2,985	3/4		3/4		3/4		3/4		3/4	
11	48,334	11	36,932	11	25,548	11	14,147	11	2,748	11		11		11		11		11	
1/4	48,096	1/4	36,695	1/4	25,311	1/4	13,910	1/4	2,512	1/4		1/4		1/4		1/4		1/4	
1/2	47,859	1/2	36,458	1/2	25,073	1/2	13,672	1/2	2,276	1/2		1/2		1/2		1/2		1/2	
3/4	47,621	3/4	36,220	3/4	24,836	3/4	13,435	3/4	2,040	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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