



# BARGE "1B 1905"

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	00-1/8	-00-1/8	00-1/8	-00-1/8
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:

$$\begin{aligned}
 \text{FWD. DRAFT} &= 2'-00'' \\
 \text{AFT DRAFT} &= \frac{4'-00''}{2} \\
 \text{DIFF.} &= 2'-00'' \quad (\text{DOWN BY STERN})
 \end{aligned}$$

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 CENTER IS - 00-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 176'-09"

May 13, 2019

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



# BARGE "IB 1905"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS			GAUGE HEIGHT 15'-02 3/4"							
IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	160,943	153,247	144,881	136,515	128,149	117,411	104,482	91,555	78,625
1/4	1/4	160,853	153,073	144,707	136,341	127,975	117,141	104,212	91,286	78,355
1/2	1/2	160,763	152,898	144,532	136,167	127,801	116,972	103,943	91,016	78,086
3/4	3/4	160,673	152,724	144,358	135,992	127,626	116,802	103,674	90,747	77,816
1	1	160,589	152,550	144,184	135,818	127,452	116,633	103,405	90,478	77,547
1/4	1/4	160,504	152,375	144,010	135,644	127,278	116,464	103,136	90,208	77,278
1/2	1/2	160,420	152,201	143,835	135,469	127,104	116,294	102,866	89,939	77,008
3/4	3/4	160,336	152,027	143,661	135,295	126,929	116,125	102,597	89,770	76,739
2	2	160,174	151,853	143,487	135,121	126,755	115,956	102,328	89,400	76,469
1/4	1/4	160,073	151,678	143,312	134,947	126,581	114,986	102,059	89,131	76,200
1/2	1/2	159,851	151,504	143,138	134,772	126,406	114,717	101,790	88,861	75,931
3/4	3/4	159,690	151,330	142,964	134,598	126,232	114,447	101,520	88,592	75,661
3	3	159,517	151,155	142,790	134,424	126,058	114,178	101,251	88,323	75,392
1/4	1/4	159,344	150,981	142,615	134,249	125,884	113,909	100,982	88,053	75,122
1/2	1/2	159,170	150,807	142,441	134,075	125,709	113,639	100,713	87,784	74,853
3/4	3/4	158,997	150,633	142,267	133,901	125,535	113,370	100,444	87,514	74,584
4	4	158,823	150,458	142,092	133,727	125,362	113,100	100,174	87,245	74,314
1/4	1/4	158,649	150,284	141,918	133,552	125,188	112,831	99,905	86,976	74,045
1/2	1/2	158,475	150,110	141,744	133,378	125,014	112,562	99,636	86,706	73,775
3/4	3/4	158,301	149,935	141,570	133,204	124,840	112,293	99,367	86,437	73,506
5	5	158,127	149,761	141,395	133,029	124,667	112,023	99,098	86,167	73,237
1/4	1/4	157,953	149,587	141,221	132,855	124,493	111,753	98,828	85,898	72,969
1/2	1/2	157,778	149,413	141,047	132,681	124,319	111,484	98,559	85,629	72,700
3/4	3/4	157,604	149,238	140,872	132,507	124,145	111,215	98,290	85,359	72,431
6	6	157,430	149,064	140,698	132,332	123,971	110,945	98,021	85,090	72,162
1/4	1/4	157,256	148,890	140,524	132,158	123,800	110,676	97,751	84,820	71,893
1/2	1/2	157,081	148,715	140,350	131,984	123,626	110,406	97,482	84,551	71,625
3/4	3/4	156,907	148,541	140,175	131,809	123,458	110,137	97,212	84,282	71,356
7	7	156,733	148,367	140,001	131,635	123,289	109,868	96,943	84,012	71,087
1/4	1/4	156,558	148,193	139,827	131,461	123,120	109,598	96,674	83,743	70,818
1/2	1/2	156,384	148,018	139,652	131,287	122,950	109,329	96,404	83,474	70,549
3/4	3/4	156,210	147,844	139,478	131,112	122,780	109,060	96,135	83,204	70,281
8	8	155,036	147,670	139,304	130,938	122,611	108,790	95,865	82,935	70,012
1/4	1/4	155,861	147,495	139,130	130,764	122,441	108,521	95,596	82,666	69,743
1/2	1/2	155,687	147,321	138,955	130,589	122,272	108,251	95,327	82,396	69,474
3/4	3/4	155,513	147,147	138,781	130,415	122,103	107,982	95,057	82,127	69,205
9	9	155,338	146,973	138,607	130,241	121,934	107,713	94,788	81,857	68,937
1/4	1/4	155,164	146,798	138,432	130,067	121,765	107,443	94,519	81,588	68,668
1/2	1/2	154,990	146,624	138,258	129,892	121,595	107,174	94,249	81,318	68,399
3/4	3/4	154,816	146,450	138,084	129,718	121,426	106,904	93,980	81,049	68,130
10	10	154,641	146,275	137,910	129,544	121,257	106,635	93,710	80,780	67,862
1/4	1/4	154,467	146,101	137,735	129,369	121,088	106,366	93,441	80,510	67,593
1/2	1/2	154,293	145,927	137,561	129,195	120,919	106,097	93,172	80,241	67,324
3/4	3/4	154,118	145,752	137,387	129,021	120,750	105,828	92,902	79,971	67,055
11	11	153,944	145,578	137,212	128,847	120,581	105,558	92,633	79,702	66,786
1/4	1/4	153,770	145,404	137,038	128,672	120,412	105,289	92,363	79,433	66,518
1/2	1/2	153,595	145,230	136,864	128,498	120,243	105,020	92,094	79,163	66,249
3/4	3/4	153,421	145,055	136,689	128,324	120,074	104,751	91,825	78,894	65,980

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT & ANALYSIS, INC.

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BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IPIPS 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'-03" FORWARD OF AFT BULKHEAD.



# BARGE "IB 1905"

## 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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	65,711	0	52,792	0	39,893	0	27,208	0	14,275	0	1,420	0	0	0	0	0	0	0	0
1/4	65,442	1/4	52,523	1/4	39,629	1/4	26,939	1/4	14,005	1/4	1,196	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,174	1/2	52,253	1/2	39,365	1/2	26,669	1/2	13,736	1/2	971	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,905	3/4	51,984	3/4	39,101	3/4	26,400	3/4	13,466	3/4	747	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	64,636	1	51,715	1	38,839	1	26,130	1	13,197	1	612	1	1	1	1	1	1	1	1
1/4	64,367	1/4	51,446	1/4	38,577	1/4	25,861	1/4	12,927	1/4	477	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,098	1/2	51,176	1/2	38,315	1/2	25,592	1/2	12,658	1/2	342	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,830	3/4	50,907	3/4	38,052	3/4	25,322	3/4	12,388	3/4	207	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	63,561	2	50,638	2	37,790	2	25,053	2	12,119	2	162	2	2	2	2	2	2	2	2
1/4	63,292	1/4	50,368	1/4	37,528	1/4	24,783	1/4	11,849	1/4	117	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,023	1/2	50,099	1/2	37,266	1/2	24,514	1/2	11,580	1/2	72	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,755	3/4	49,830	3/4	37,004	3/4	24,244	3/4	11,311	3/4	26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	62,485	3	49,561	3	36,741	3	23,975	3	11,041	3	3	3	3	3	3	3	3	3	3
1/4	62,216	1/4	49,291	1/4	36,479	1/4	23,705	1/4	10,772	1/4	3	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,947	1/2	49,022	1/2	36,217	1/2	23,436	1/2	10,502	1/2	3	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,677	3/4	48,753	3/4	35,955	3/4	23,166	3/4	10,233	3/4	3	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	61,408	4	48,484	4	35,693	4	22,897	4	9,963	4	4	4	4	4	4	4	4	4	4
1/4	61,139	1/4	48,214	1/4	35,431	1/4	22,628	1/4	9,693	1/4	4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,870	1/2	47,945	1/2	35,168	1/2	22,358	1/2	9,424	1/2	4	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,600	3/4	47,676	3/4	34,906	3/4	22,089	3/4	9,154	3/4	4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	60,331	5	47,407	5	34,644	5	21,819	5	8,884	5	5	5	5	5	5	5	5	5	5
1/4	60,062	1/4	47,137	1/4	34,382	1/4	21,550	1/4	8,614	1/4	5	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,793	1/2	46,868	1/2	34,120	1/2	21,280	1/2	8,345	1/2	5	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,523	3/4	46,599	3/4	33,857	3/4	21,011	3/4	8,075	3/4	5	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	59,254	6	46,330	6	33,595	6	20,741	6	7,805	6	6	6	6	6	6	6	6	6	6
1/4	58,985	1/4	46,060	1/4	33,333	1/4	20,472	1/4	7,536	1/4	6	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,716	1/2	45,791	1/2	33,071	1/2	20,203	1/2	7,266	1/2	6	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,446	3/4	45,522	3/4	32,809	3/4	19,933	3/4	6,997	3/4	6	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	58,177	7	45,253	7	32,546	7	19,664	7	6,727	7	7	7	7	7	7	7	7	7	7
1/4	57,908	1/4	44,983	1/4	32,284	1/4	19,394	1/4	6,458	1/4	7	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,639	1/2	44,714	1/2	32,022	1/2	19,125	1/2	6,189	1/2	7	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,369	3/4	44,445	3/4	31,760	3/4	18,855	3/4	5,919	3/4	7	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	57,100	8	44,175	8	31,498	8	18,586	8	5,650	8	8	8	8	8	8	8	8	8	8
1/4	56,831	1/4	43,906	1/4	31,236	1/4	18,316	1/4	5,381	1/4	8	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,562	1/2	43,637	1/2	30,973	1/2	18,047	1/2	5,112	1/2	8	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,292	3/4	43,368	3/4	30,711	3/4	17,777	3/4	4,843	3/4	8	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	56,023	9	43,098	9	30,442	9	17,508	9	4,574	9	9	9	9	9	9	9	9	9	9
1/4	55,754	1/4	42,829	1/4	30,172	1/4	17,239	1/4	4,306	1/4	9	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,484	1/2	42,560	1/2	29,903	1/2	16,969	1/2	4,038	1/2	9	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,215	3/4	42,291	3/4	29,633	3/4	16,700	3/4	3,770	3/4	9	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	54,946	10	42,021	10	29,364	10	16,430	10	3,503	10	10	10	10	10	10	10	10	10	10
1/4	54,677	1/4	41,752	1/4	29,094	1/4	16,161	1/4	3,236	1/4	10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,407	1/2	41,483	1/2	28,825	1/2	15,891	1/2	2,969	1/2	10	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,138	3/4	41,214	3/4	28,556	3/4	15,622	3/4	2,702	3/4	10	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	53,869	11	40,950	11	28,286	11	15,352	11	2,438	11	11	11	11	11	11	11	11	11	11
1/4	53,600	1/4	40,686	1/4	28,017	1/4	15,083	1/4	2,174	1/4	11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,330	1/2	40,421	1/2	27,747	1/2	14,813	1/2	1,909	1/2	11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,061	3/4	40,157	3/4	27,478	3/4	14,544	3/4	1,645	3/4	11	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: 05/13/2019 SW  
 CALCULATED: 05/14/2019 CL  
 PRINTED: 05/15/2019 SW  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 05/2019

PRECISION MEASUREMENT  
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# BARGE "IB 1905"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

CAPACITIES GIVEN IN WHOLE GALLONS		GAUGE HEIGHT 15'-02 1/4"																	
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	174,160	0	162,287	0	149,839	0	137,392	0	124,945	0	112,498	0	100,051	0	87,604	0	75,157
1/4	1/4	1/4	174,074	1/4	162,027	1/4	149,580	1/4	137,133	1/4	124,686	1/4	112,239	1/4	99,792	1/4	87,345	1/4	74,897
1/2	1/2	1/2	173,901	1/2	161,768	1/2	149,321	1/2	136,874	1/2	124,427	1/2	111,979	1/2	99,532	1/2	87,085	1/2	74,638
3/4	3/4	3/4	173,728	3/4	161,509	3/4	149,062	3/4	136,614	3/4	124,062	3/4	111,720	3/4	99,273	3/4	86,826	3/4	74,379
1	1	1	173,555	1	161,249	1	148,802	1	136,355	1	123,908	1	111,461	1	98,014	1	85,567	1	73,119
1 1/4	1 1/4	1 1/4	173,383	1 1/4	160,990	1 1/4	148,543	1 1/4	136,096	1 1/4	123,649	1 1/4	111,202	1 1/4	97,754	1 1/4	85,307	1 1/4	73,860
1 1/2	1 1/2	1 1/2	173,135	1 1/2	160,731	1 1/2	148,284	1 1/2	135,836	1 1/2	123,389	1 1/2	110,942	1 1/2	97,495	1 1/2	85,048	1 1/2	73,601
3/4	3/4	3/4	172,888	3/4	160,471	3/4	148,024	3/4	135,577	3/4	123,130	3/4	110,683	3/4	97,236	3/4	84,791	3/4	73,342
2	2	2	172,641	2	160,212	2	147,765	2	135,318	2	122,871	2	110,424	2	97,014	2	84,529	2	73,082
1/4	1/4	1/4	172,394	1/4	159,953	1/4	147,506	1/4	135,059	1/4	122,611	1/4	110,164	1/4	96,771	1/4	84,270	1/4	72,823
1/2	1/2	1/2	172,136	1/2	159,693	1/2	147,246	1/2	134,799	1/2	122,352	1/2	109,905	1/2	96,514	1/2	84,011	1/2	72,564
3/4	3/4	3/4	171,878	3/4	159,434	3/4	146,987	3/4	134,540	3/4	122,093	3/4	109,646	3/4	96,257	3/4	83,751	3/4	72,304
3	3	3	171,620	3	159,175	3	146,728	3	134,281	3	121,833	3	109,386	3	95,999	3	83,492	3	72,045
1/4	1/4	1/4	171,362	1/4	158,916	1/4	146,468	1/4	134,021	1/4	121,574	1/4	109,127	1/4	95,740	1/4	83,233	1/4	71,786
1/2	1/2	1/2	171,103	1/2	158,656	1/2	146,209	1/2	133,762	1/2	121,315	1/2	108,868	1/2	95,481	1/2	82,973	1/2	71,526
3/4	3/4	3/4	170,844	3/4	158,397	3/4	145,950	3/4	133,503	3/4	121,056	3/4	108,608	3/4	95,222	3/4	82,714	3/4	71,267
4	4	4	170,584	4	158,138	4	145,690	4	133,243	4	120,796	4	108,349	4	94,963	4	82,455	4	71,008
1/4	1/4	1/4	170,325	1/4	157,878	1/4	145,431	1/4	132,984	1/4	120,537	1/4	108,090	1/4	94,704	1/4	82,195	1/4	70,748
1/2	1/2	1/2	170,066	1/2	157,619	1/2	145,172	1/2	132,725	1/2	120,278	1/2	107,830	1/2	94,445	1/2	81,936	1/2	70,489
3/4	3/4	3/4	169,807	3/4	157,360	3/4	144,913	3/4	132,465	3/4	120,018	3/4	107,571	3/4	94,186	3/4	81,677	3/4	70,230
5	5	5	169,547	5	157,100	5	144,653	5	132,206	5	119,759	5	107,312	5	93,927	5	81,418	5	69,970
1/4	1/4	1/4	169,288	1/4	156,841	1/4	144,394	1/4	131,947	1/4	119,500	1/4	107,052	1/4	93,668	1/4	81,159	1/4	69,711
1/2	1/2	1/2	169,029	1/2	156,582	1/2	144,135	1/2	131,687	1/2	119,240	1/2	106,793	1/2	93,409	1/2	80,900	1/2	69,452
3/4	3/4	3/4	168,770	3/4	156,322	3/4	143,875	3/4	131,428	3/4	118,981	3/4	106,534	3/4	93,150	3/4	80,641	3/4	69,192
6	6	6	168,510	6	156,063	6	143,616	6	131,169	6	118,722	6	106,275	6	92,891	6	80,382	6	68,933
1/4	1/4	1/4	168,251	1/4	155,804	1/4	143,357	1/4	130,909	1/4	118,463	1/4	106,015	1/4	92,632	1/4	80,123	1/4	68,674
1/2	1/2	1/2	167,992	1/2	155,544	1/2	143,097	1/2	130,650	1/2	118,203	1/2	105,756	1/2	92,373	1/2	79,864	1/2	68,415
3/4	3/4	3/4	167,732	3/4	155,284	3/4	142,838	3/4	130,391	3/4	117,944	3/4	105,497	3/4	92,114	3/4	79,605	3/4	68,156
7	7	7	167,473	7	155,026	7	142,579	7	130,132	7	117,684	7	105,237	7	91,855	7	79,346	7	67,896
1/4	1/4	1/4	167,214	1/4	154,766	1/4	142,319	1/4	129,872	1/4	117,425	1/4	104,978	1/4	91,596	1/4	79,087	1/4	67,637
1/2	1/2	1/2	166,954	1/2	154,507	1/2	142,060	1/2	129,613	1/2	117,166	1/2	104,719	1/2	91,337	1/2	78,828	1/2	67,378
3/4	3/4	3/4	166,695	3/4	154,248	3/4	141,801	3/4	129,354	3/4	116,906	3/4	104,459	3/4	91,078	3/4	78,569	3/4	67,118
8	8	8	166,436	8	153,989	8	141,541	8	129,094	8	116,647	8	104,200	8	90,819	8	78,310	8	66,859
1/4	1/4	1/4	166,176	1/4	153,729	1/4	141,282	1/4	128,835	1/4	116,388	1/4	103,941	1/4	90,560	1/4	78,051	1/4	66,599
1/2	1/2	1/2	165,917	1/2	153,470	1/2	141,023	1/2	128,576	1/2	116,129	1/2	103,681	1/2	90,301	1/2	77,792	1/2	66,340
3/4	3/4	3/4	165,658	3/4	153,211	3/4	140,763	3/4	128,316	3/4	115,869	3/4	103,422	3/4	90,042	3/4	77,533	3/4	66,081
9	9	9	165,398	9	152,951	9	140,504	9	128,057	9	115,610	9	103,163	9	89,783	9	77,274	9	65,821
1/4	1/4	1/4	165,139	1/4	152,692	1/4	140,245	1/4	127,798	1/4	115,351	1/4	102,903	1/4	89,524	1/4	77,015	1/4	65,562
1/2	1/2	1/2	164,880	1/2	152,433	1/2	139,986	1/2	127,538	1/2	115,091	1/2	102,644	1/2	89,265	1/2	76,756	1/2	65,303
3/4	3/4	3/4	164,620	3/4	152,173	3/4	139,726	3/4	127,279	3/4	114,832	3/4	102,385	3/4	89,006	3/4	76,497	3/4	65,043
10	10	10	164,361	10	151,914	10	139,467	10	127,020	10	114,573	10	102,125	10	88,747	10	76,238	10	64,784
1/4	1/4	1/4	164,102	1/4	151,655	1/4	139,208	1/4	126,760	1/4	114,313	1/4	101,866	1/4	88,488	1/4	75,979	1/4	64,525
1/2	1/2	1/2	163,843	1/2	151,395	1/2	138,951	1/2	126,501	1/2	114,054	1/2	101,607	1/2	88,229	1/2	75,720	1/2	64,265
3/4	3/4	3/4	163,583	3/4	151,136	3/4	138,694	3/4	126,242	3/4	113,795	3/4	101,348	3/4	87,970	3/4	75,461	3/4	64,006
11	11	11	163,324	11	150,877	11	138,439	11	125,982	11	113,535	11	101,088	11	87,711	11	75,202	11	63,747
1/4	1/4	1/4	163,065	1/4	150,617	1/4	138,170	1/4	125,723	1/4	113,276	1/4	100,829	1/4	87,452	1/4	74,943	1/4	63,488
1/2	1/2	1/2	162,805	1/2	150,358	1/2	137,911	1/2	125,464	1/2	113,017	1/2	100,570	1/2	87,193	1/2	74,684	1/2	63,228
3/4	3/4	3/4	162,546	3/4	150,099	3/4	137,652	3/4	125,205	3/4	112,757	3/4	100,310	3/4	86,934	3/4	74,425	3/4	62,969

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NFPA 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.pma.com>

*[Signature]*



# BARGE "IB 1905"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	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	62,710	0	50,252	0	37,865	0	25,651	0	13,205	0	933	0	0	0	0	0	0	0	0	0
1/4	62,450	1/4	50,003	1/4	37,612	1/4	25,392	1/4	12,945	1/4	718	1/4	0	1/4	0	1/4	0	1/4	0	1/4
1/2	62,191	1/2	49,744	1/2	37,360	1/2	25,133	1/2	12,686	1/2	588	1/2	0	1/2	0	1/2	0	1/2	0	1/2
3/4	61,932	3/4	49,485	3/4	37,108	3/4	24,874	3/4	12,427	3/4	458	3/4	0	3/4	0	3/4	0	3/4	0	3/4
1	61,672	1	49,225	1	36,856	1	24,614	1	12,168	1	329	1	0	1	0	1	0	1	0	1
1/4	61,413	1/4	48,966	1/4	36,603	1/4	24,355	1/4	11,908	1/4	199	1/4	0	1/4	0	1/4	0	1/4	0	1/4
1/2	61,154	1/2	48,707	1/2	36,351	1/2	24,096	1/2	11,649	1/2	155	1/2	0	1/2	0	1/2	0	1/2	0	1/2
3/4	60,894	3/4	48,447	3/4	36,099	3/4	23,836	3/4	11,390	3/4	113	3/4	0	3/4	0	3/4	0	3/4	0	3/4
1	60,635	1	48,188	1	35,847	1	23,577	1	11,130	1	70	1	0	1	0	1	0	1	0	1
1/4	60,376	1/4	47,929	1/4	35,594	1/4	23,318	1/4	10,871	1/4	26	1/4	0	1/4	0	1/4	0	1/4	0	1/4
1/2	60,116	1/2	47,669	1/2	35,342	1/2	23,058	1/2	10,612	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0	1/2
3/4	59,857	3/4	47,410	3/4	35,090	3/4	22,799	3/4	10,352	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0	3/4
1	59,598	1	47,151	1	34,838	1	22,540	1	10,093	1	0	1	0	1	0	1	0	1	0	1
1/4	59,338	1/4	46,891	1/4	34,586	1/4	22,280	1/4	9,834	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4
1/2	59,079	1/2	46,632	1/2	34,333	1/2	22,021	1/2	9,574	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0	1/2
3/4	58,820	3/4	46,373	3/4	34,081	3/4	21,762	3/4	9,315	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0	3/4
1	58,561	1	46,113	1	33,829	1	21,503	1	9,056	1	0	1	0	1	0	1	0	1	0	1
1/4	58,301	1/4	45,854	1/4	33,577	1/4	21,243	1/4	8,797	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4
1/2	58,042	1/2	45,595	1/2	33,324	1/2	20,984	1/2	8,537	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0	1/2
3/4	57,783	3/4	45,335	3/4	33,072	3/4	20,725	3/4	8,278	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0	3/4
1	57,523	1	45,076	1	32,820	1	20,465	1	8,019	1	0	1	0	1	0	1	0	1	0	1
1/4	57,264	1/4	44,817	1/4	32,568	1/4	20,206	1/4	7,759	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4
1/2	57,005	1/2	44,558	1/2	32,316	1/2	19,947	1/2	7,500	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0	1/2
3/4	56,745	3/4	44,298	3/4	32,063	3/4	19,687	3/4	7,241	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0	3/4
1	56,486	1	44,039	1	31,811	1	19,428	1	6,982	1	0	1	0	1	0	1	0	1	0	1
1/4	56,227	1/4	43,780	1/4	31,559	1/4	19,169	1/4	6,722	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4
1/2	55,967	1/2	43,520	1/2	31,307	1/2	18,910	1/2	6,463	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0	1/2
3/4	55,708	3/4	43,261	3/4	31,054	3/4	18,650	3/4	6,204	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0	3/4
1	55,449	1	43,002	1	30,802	1	18,391	1	5,945	1	0	1	0	1	0	1	0	1	0	1
1/4	55,189	1/4	42,742	1/4	30,550	1/4	18,132	1/4	5,686	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4
1/2	54,930	1/2	42,483	1/2	30,298	1/2	17,872	1/2	5,428	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0	1/2
3/4	54,671	3/4	42,224	3/4	30,045	3/4	17,613	3/4	5,169	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0	3/4
1	54,412	1	41,964	1	29,793	1	17,354	1	4,911	1	0	1	0	1	0	1	0	1	0	1
1/4	54,152	1/4	41,705	1/4	29,541	1/4	17,094	1/4	4,652	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4
1/2	53,893	1/2	41,446	1/2	29,282	1/2	16,835	1/2	4,395	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0	1/2
3/4	53,634	3/4	41,186	3/4	29,022	3/4	16,576	3/4	4,137	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0	3/4
1	53,374	1	40,927	1	28,763	1	16,316	1	3,879	1	0	1	0	1	0	1	0	1	0	1
1/4	53,115	1/4	40,668	1/4	28,504	1/4	16,057	1/4	3,622	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4
1/2	52,856	1/2	40,408	1/2	28,245	1/2	15,798	1/2	3,365	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0	1/2
3/4	52,596	3/4	40,149	3/4	27,985	3/4	15,539	3/4	3,109	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0	3/4
1	52,337	1	39,890	1	27,726	1	15,279	1	2,853	1	0	1	0	1	0	1	0	1	0	1
1/4	52,078	1/4	39,631	1/4	27,467	1/4	15,020	1/4	2,596	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4
1/2	51,818	1/2	39,378	1/2	27,207	1/2	14,761	1/2	2,342	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0	1/2
3/4	51,559	3/4	39,126	3/4	26,948	3/4	14,501	3/4	2,088	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0	3/4
1	51,300	1	38,874	1	26,689	1	14,242	1	1,835	1	0	1	0	1	0	1	0	1	0	1
1/4	51,040	1/4	38,621	1/4	26,429	1/4	13,983	1/4	1,581	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4
1/2	50,781	1/2	38,369	1/2	26,170	1/2	13,723	1/2	1,365	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0	1/2
3/4	50,522	3/4	38,117	3/4	25,911	3/4	13,464	3/4	1,149	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2019 SW  
 CALCULATED: 05/14/2019 CL  
 PRINTED: 05/15/2019 SW  
 CANCELLED AND SUPERCEDES  
 ALL PRIOR TO 05/2019

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



# BARGE "IB 1905"

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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/2	0	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
1/4	172,579	1/4	172,665	1/4	160,911	1/4	148,589	1/4	136,268	1/4	123,946	1/4	111,625	1/4	99,303	1/4	86,982	1/4	74,660
1/2	172,408	1/2	172,408	1/2	160,397	1/2	148,076	1/2	135,754	1/2	123,433	1/2	111,111	1/2	98,790	1/2	86,468	1/2	74,147
3/4	172,237	3/4	172,237	3/4	160,140	3/4	147,819	3/4	135,498	3/4	123,176	3/4	110,855	3/4	98,533	3/4	86,212	3/4	73,890
1	172,066	1	172,066	1	159,884	1	147,562	1	135,241	1	122,919	1	110,598	1	98,276	1	85,955	1	73,634
1/4	171,894	1/4	171,894	1/4	159,627	1/4	147,306	1/4	134,984	1/4	122,653	1/4	110,341	1/4	98,020	1/4	85,698	1/4	73,377
1/2	171,723	1/2	171,723	1/2	159,370	1/2	147,051	1/2	134,727	1/2	122,406	1/2	110,085	1/2	97,763	1/2	85,442	1/2	73,120
3/4	171,552	3/4	171,552	3/4	159,114	3/4	146,792	3/4	134,471	3/4	122,149	3/4	109,828	3/4	97,506	3/4	85,185	3/4	72,863
1	171,381	1	171,381	1	158,857	1	146,536	1	134,214	1	121,893	1	109,571	1	97,250	1	84,928	1	72,607
1/4	171,210	1/4	171,210	1/4	158,600	1/4	146,279	1/4	133,957	1/4	121,636	1/4	109,314	1/4	96,993	1/4	84,672	1/4	72,350
1/2	171,039	1/2	171,039	1/2	158,344	1/2	146,022	1/2	133,701	1/2	121,379	1/2	109,058	1/2	96,736	1/2	84,415	1/2	72,093
3/4	170,868	3/4	170,868	3/4	158,087	3/4	145,765	3/4	133,444	3/4	121,123	3/4	108,801	3/4	96,480	3/4	84,158	3/4	71,837
1	170,697	1	170,697	1	157,830	1	145,509	1	133,187	1	120,866	1	108,544	1	96,223	1	83,901	1	71,580
1/4	169,526	1/4	169,526	1/4	157,573	1/4	145,252	1/4	132,931	1/4	120,609	1/4	108,288	1/4	95,966	1/4	83,645	1/4	71,323
1/2	169,355	1/2	169,355	1/2	157,317	1/2	144,995	1/2	132,674	1/2	120,352	1/2	108,031	1/2	95,709	1/2	83,388	1/2	71,067
3/4	169,184	3/4	169,184	3/4	157,060	3/4	144,739	3/4	132,417	3/4	120,096	3/4	107,774	3/4	95,453	3/4	83,131	3/4	70,810
1	169,013	1	169,013	1	156,803	1	144,482	1	132,160	1	119,839	1	107,518	1	95,196	1	82,875	1	70,553
1/4	168,842	1/4	168,842	1/4	156,547	1/4	144,225	1/4	131,904	1/4	119,582	1/4	107,261	1/4	94,939	1/4	82,618	1/4	70,296
1/2	168,671	1/2	168,671	1/2	156,290	1/2	143,969	1/2	131,647	1/2	119,326	1/2	107,004	1/2	94,683	1/2	82,361	1/2	70,040
3/4	168,500	3/4	168,500	3/4	156,033	3/4	143,712	3/4	131,390	3/4	119,069	3/4	106,747	3/4	94,426	3/4	82,105	3/4	69,783
1	168,329	1	168,329	1	155,777	1	143,455	1	131,134	1	118,812	1	106,491	1	94,169	1	81,848	1	69,526
1/4	168,158	1/4	168,158	1/4	155,520	1/4	143,198	1/4	130,877	1/4	118,556	1/4	106,234	1/4	93,913	1/4	81,591	1/4	69,270
1/2	167,987	1/2	167,987	1/2	155,263	1/2	142,942	1/2	130,620	1/2	118,299	1/2	105,977	1/2	93,656	1/2	81,334	1/2	69,013
3/4	167,816	3/4	167,816	3/4	155,007	3/4	142,685	3/4	130,364	3/4	118,044	3/4	105,721	3/4	93,399	3/4	81,078	3/4	68,756
1	167,645	1	167,645	1	154,750	1	142,428	1	130,107	1	117,788	1	105,464	1	93,143	1	80,821	1	68,500
1/4	167,474	1/4	167,474	1/4	154,493	1/4	142,172	1/4	129,850	1/4	117,529	1/4	105,207	1/4	92,886	1/4	80,564	1/4	68,243
1/2	167,303	1/2	167,303	1/2	154,236	1/2	141,915	1/2	129,594	1/2	117,272	1/2	104,951	1/2	92,629	1/2	80,308	1/2	67,986
3/4	167,132	3/4	167,132	3/4	153,980	3/4	141,658	3/4	129,337	3/4	117,015	3/4	104,694	3/4	92,372	3/4	80,051	3/4	67,730
1	166,961	1	166,961	1	153,723	1	141,402	1	129,080	1	116,759	1	104,437	1	92,116	1	79,794	1	67,473
1/4	166,790	1/4	166,790	1/4	153,466	1/4	141,145	1/4	128,823	1/4	116,502	1/4	104,180	1/4	91,859	1/4	79,538	1/4	67,216
1/2	166,619	1/2	166,619	1/2	153,210	1/2	140,888	1/2	128,567	1/2	116,245	1/2	103,924	1/2	91,602	1/2	79,281	1/2	66,959
3/4	166,448	3/4	166,448	3/4	152,953	3/4	140,631	3/4	128,310	3/4	115,989	3/4	103,667	3/4	91,346	3/4	79,024	3/4	66,703
1	166,277	1	166,277	1	152,696	1	140,375	1	128,053	1	115,732	1	103,410	1	91,089	1	78,767	1	66,446
1/4	166,106	1/4	166,106	1/4	152,440	1/4	140,118	1/4	127,797	1/4	115,475	1/4	103,154	1/4	90,832	1/4	78,511	1/4	66,189
1/2	165,935	1/2	165,935	1/2	152,183	1/2	139,861	1/2	127,540	1/2	115,218	1/2	102,897	1/2	90,576	1/2	78,254	1/2	65,933
3/4	165,764	3/4	165,764	3/4	151,926	3/4	139,605	3/4	127,283	3/4	114,962	3/4	102,640	3/4	90,319	3/4	77,997	3/4	65,676
1	165,593	1	165,593	1	151,669	1	139,348	1	127,027	1	114,705	1	102,384	1	90,062	1	77,741	1	65,419
1/4	165,422	1/4	165,422	1/4	151,413	1/4	139,091	1/4	126,770	1/4	114,448	1/4	102,127	1/4	89,805	1/4	77,484	1/4	65,163
1/2	165,251	1/2	165,251	1/2	151,156	1/2	138,835	1/2	126,513	1/2	114,192	1/2	101,870	1/2	89,549	1/2	77,227	1/2	64,906
3/4	165,080	3/4	165,080	3/4	150,899	3/4	138,578	3/4	126,256	3/4	113,935	3/4	101,614	3/4	89,292	3/4	76,971	3/4	64,649
1	164,909	1	164,909	1	150,643	1	138,321	1	126,000	1	113,678	1	101,357	1	89,035	1	76,714	1	64,392
1/4	164,738	1/4	164,738	1/4	150,386	1/4	138,065	1/4	125,743	1/4	113,422	1/4	101,100	1/4	88,779	1/4	76,457	1/4	64,136
1/2	164,567	1/2	164,567	1/2	150,129	1/2	137,808	1/2	125,486	1/2	113,165	1/2	100,843	1/2	88,522	1/2	76,201	1/2	63,879
3/4	164,396	3/4	164,396	3/4	149,873	3/4	137,551	3/4	125,230	3/4	112,908	3/4	100,587	3/4	88,265	3/4	75,944	3/4	63,622
1	164,225	1	164,225	1	149,616	1	137,294	1	124,973	1	112,652	1	100,330	1	88,009	1	75,687	1	63,366
1/4	164,054	1/4	164,054	1/4	149,359	1/4	137,038	1/4	124,716	1/4	112,395	1/4	100,073	1/4	87,752	1/4	75,430	1/4	63,109
1/2	163,883	1/2	163,883	1/2	149,102	1/2	136,781	1/2	124,460	1/2	112,138	1/2	99,817	1/2	87,495	1/2	75,174	1/2	62,852
3/4	163,712	3/4	163,712	3/4	148,846	3/4	136,524	3/4	124,203	3/4	111,881	3/4	99,560	3/4	87,238	3/4	74,917	3/4	62,596

GAUGE HEIGHT 15'-02 1/4"

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IAPWS 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.pmaacorp.net



# BARGE "IB 1905"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 1/4"

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	62,339	0	50,017	0	37,699	0	25,392	0	13,071	0	924	0	0	0	0	0	0	0	0
1/4	62,082	1/4	49,761	1/4	37,442	1/4	25,136	1/4	12,815	1/4	710	1/4	0	1/4	0	1/4	1/4	1/4	1/4
1/2	61,825	1/2	49,504	1/2	37,186	1/2	24,879	1/2	12,558	1/2	582	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,569	3/4	49,247	3/4	36,930	3/4	24,622	3/4	12,301	3/4	453	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	61,312	1	48,991	1	36,674	1	24,365	1	12,044	1	325	1	1	1	1	1	1	1	1
1/4	61,055	1/4	48,734	1/4	36,417	1/4	24,109	1/4	11,788	1/4	197	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,799	1/2	48,477	1/2	36,161	1/2	23,852	1/2	11,531	1/2	154	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,542	3/4	48,221	3/4	35,905	3/4	23,595	3/4	11,274	3/4	111	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	60,285	2	47,964	2	35,649	2	23,339	2	11,018	2	68	2	2	2	2	2	2	2	2
1/4	60,029	1/4	47,707	1/4	35,392	1/4	23,082	1/4	10,761	1/4	26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,772	1/2	47,450	1/2	35,136	1/2	22,825	1/2	10,504	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,515	3/4	47,194	3/4	34,880	3/4	22,569	3/4	10,248	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	59,259	3	46,937	3	34,624	3	22,312	3	9,991	3	0	3	3	3	3	3	3	3	3
1/4	59,002	1/4	46,680	1/4	34,367	1/4	22,055	1/4	9,734	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,745	1/2	46,424	1/2	34,111	1/2	21,799	1/2	9,478	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,488	3/4	46,167	3/4	33,855	3/4	21,542	3/4	9,221	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	58,232	4	45,910	4	33,599	4	21,285	4	8,964	4	0	4	4	4	4	4	4	4	4
1/4	57,975	1/4	45,654	1/4	33,342	1/4	21,029	1/4	8,708	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,718	1/2	45,397	1/2	33,086	1/2	20,772	1/2	8,451	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,462	3/4	45,140	3/4	32,830	3/4	20,515	3/4	8,194	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	57,205	5	44,883	5	32,574	5	20,258	5	7,937	5	0	5	5	5	5	5	5	5	5
1/4	56,948	1/4	44,627	1/4	32,317	1/4	20,002	1/4	7,681	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,692	1/2	44,370	1/2	32,061	1/2	19,745	1/2	7,424	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,435	3/4	44,113	3/4	31,805	3/4	19,488	3/4	7,168	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	56,178	6	43,857	6	31,549	6	19,232	6	6,911	6	0	6	6	6	6	6	6	6	6
1/4	55,921	1/4	43,600	1/4	31,293	1/4	18,975	1/4	6,654	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,665	1/2	43,343	1/2	31,036	1/2	18,718	1/2	6,398	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,408	3/4	43,087	3/4	30,780	3/4	18,462	3/4	6,141	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	55,151	7	42,830	7	30,524	7	18,205	7	5,885	7	0	7	7	7	7	7	7	7	7
1/4	54,895	1/4	42,573	1/4	30,268	1/4	17,948	1/4	5,629	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,638	1/2	42,316	1/2	30,011	1/2	17,692	1/2	5,373	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,381	3/4	42,060	3/4	29,755	3/4	17,435	3/4	5,117	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	54,125	8	41,803	8	29,499	8	17,178	8	4,861	8	0	8	8	8	8	8	8	8	8
1/4	53,868	1/4	41,546	1/4	29,243	1/4	16,922	1/4	4,605	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,611	1/2	41,290	1/2	28,986	1/2	16,665	1/2	4,350	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,354	3/4	41,033	3/4	28,729	3/4	16,408	3/4	4,095	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	53,098	9	40,776	9	28,472	9	16,151	9	3,840	9	0	9	9	9	9	9	9	9	9
1/4	52,841	1/4	40,520	1/4	28,216	1/4	15,895	1/4	3,585	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,584	1/2	40,263	1/2	27,959	1/2	15,638	1/2	3,331	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,328	3/4	40,006	3/4	27,702	3/4	15,381	3/4	3,077	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	52,071	10	39,750	10	27,446	10	15,125	10	2,824	10	0	10	10	10	10	10	10	10	10
1/4	51,814	1/4	39,493	1/4	27,189	1/4	14,868	1/4	2,570	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,558	1/2	39,237	1/2	26,932	1/2	14,611	1/2	2,318	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,301	3/4	38,980	3/4	26,676	3/4	14,355	3/4	2,067	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	51,044	11	38,724	11	26,419	11	14,098	11	1,816	11	0	11	11	11	11	11	11	11	11
1/4	50,788	1/4	38,468	1/4	26,162	1/4	13,841	1/4	1,564	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,531	1/2	38,211	1/2	25,906	1/2	13,585	1/2	1,351	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,274	3/4	37,955	3/4	25,649	3/4	13,328	3/4	1,137	3/4	0	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: 05/13/2019 SW  
 CALCULATED: 05/14/2019 CL  
 PRINTED: 05/15/2019 SW  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 05/2019

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