



BARGE "IB 1906"

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:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 CENTER IS - 00-1/8"
 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 1906"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0		0	161,175	0	153,710	0	145,338	0	136,966	0	128,594	0	118,037	0	105,098	0	92,163	0	79,222
1/4	1/4	1/4	161,153	1/4	153,535	1/4	145,163	1/4	136,791	1/4	128,419	1/4	117,768	1/4	104,829	1/4	91,893	1/4	78,953
1/2	1/2	1/2	161,063	1/2	153,361	1/2	144,989	1/2	136,617	1/2	128,245	1/2	117,498	1/2	104,559	1/2	91,623	1/2	78,683
3/4	3/4	3/4	160,973	3/4	153,187	3/4	144,815	3/4	136,442	3/4	128,070	3/4	117,228	3/4	104,290	3/4	91,354	3/4	78,413
1	1	1	160,883	1	153,012	1	144,640	1	136,268	1	127,896	1	116,959	1	104,021	1	91,084	1	78,144
1/4	1/4	1/4	160,793	1/4	152,838	1/4	144,466	1/4	136,094	1/4	127,722	1/4	116,689	1/4	103,751	1/4	90,815	1/4	77,874
1/2	1/2	1/2	160,708	1/2	152,663	1/2	144,291	1/2	135,919	1/2	127,547	1/2	116,420	1/2	103,482	1/2	90,545	1/2	77,605
3/4	3/4	3/4	160,624	3/4	152,489	3/4	144,117	3/4	135,745	3/4	127,373	3/4	116,150	3/4	103,212	3/4	90,275	3/4	77,335
2	2	2	160,540	2	152,315	2	143,942	2	135,570	2	127,198	2	115,881	2	102,943	2	90,006	2	77,065
1/4	1/4	1/4	160,455	1/4	152,140	1/4	143,768	1/4	135,396	1/4	127,024	1/4	115,611	1/4	102,674	1/4	89,736	1/4	76,796
1/2	1/2	1/2	160,294	1/2	151,966	1/2	143,594	1/2	135,222	1/2	126,849	1/2	115,341	1/2	102,404	1/2	89,467	1/2	76,526
3/4	3/4	3/4	160,132	3/4	151,791	3/4	143,419	3/4	135,047	3/4	126,675	3/4	115,072	3/4	102,135	3/4	89,197	3/4	76,257
3	3	3	159,970	3	151,617	3	143,245	3	134,873	3	126,501	3	114,802	3	101,865	3	88,927	3	75,987
1/4	1/4	1/4	159,809	1/4	151,442	1/4	143,070	1/4	134,698	1/4	126,326	1/4	114,533	1/4	101,596	1/4	88,658	1/4	75,718
1/2	1/2	1/2	159,635	1/2	151,268	1/2	142,896	1/2	134,524	1/2	126,152	1/2	114,263	1/2	101,327	1/2	88,388	1/2	75,448
3/4	3/4	3/4	159,462	3/4	151,094	3/4	142,722	3/4	134,349	3/4	125,977	3/4	113,993	3/4	101,057	3/4	88,119	3/4	75,178
4	4	4	159,289	4	150,919	4	142,547	4	134,175	4	125,803	4	113,724	4	100,788	4	87,849	4	74,909
1/4	1/4	1/4	159,116	1/4	150,745	1/4	142,373	1/4	134,001	1/4	125,629	1/4	113,454	1/4	100,518	1/4	87,580	1/4	74,639
1/2	1/2	1/2	158,942	1/2	150,570	1/2	142,198	1/2	133,826	1/2	125,455	1/2	113,185	1/2	100,249	1/2	87,310	1/2	74,370
3/4	3/4	3/4	158,768	3/4	150,396	3/4	142,024	3/4	133,652	3/4	125,281	3/4	112,915	3/4	99,980	3/4	87,040	3/4	74,100
5	5	5	158,593	5	150,222	5	141,849	5	133,477	5	125,107	5	112,645	5	99,710	5	86,771	5	73,830
1/4	1/4	1/4	158,419	1/4	150,047	1/4	141,675	1/4	133,303	1/4	124,933	1/4	112,376	1/4	99,441	1/4	86,501	1/4	73,561
1/2	1/2	1/2	158,245	1/2	149,873	1/2	141,501	1/2	133,129	1/2	124,759	1/2	112,106	1/2	99,171	1/2	86,232	1/2	73,292
3/4	3/4	3/4	158,070	3/4	149,698	3/4	141,326	3/4	132,954	3/4	124,586	3/4	111,837	3/4	98,902	3/4	85,962	3/4	73,023
6	6	6	157,896	6	149,524	6	141,152	6	132,780	6	124,412	6	111,567	6	98,633	6	85,692	6	72,754
1/4	1/4	1/4	157,722	1/4	149,349	1/4	140,977	1/4	132,605	1/4	124,238	1/4	111,297	1/4	98,363	1/4	85,423	1/4	72,485
1/2	1/2	1/2	157,547	1/2	149,175	1/2	140,803	1/2	132,431	1/2	123,968	1/2	111,028	1/2	98,094	1/2	85,153	1/2	72,216
3/4	3/4	3/4	157,373	3/4	149,001	3/4	140,629	3/4	132,256	3/4	123,699	3/4	110,758	3/4	97,824	3/4	84,884	3/4	71,947
7	7	7	157,198	7	148,826	7	140,454	7	132,082	7	123,429	7	110,489	7	97,554	7	84,614	7	71,678
1/4	1/4	1/4	157,024	1/4	148,652	1/4	140,280	1/4	131,908	1/4	123,159	1/4	110,219	1/4	97,285	1/4	84,344	1/4	71,409
1/2	1/2	1/2	156,849	1/2	148,477	1/2	140,105	1/2	131,733	1/2	122,890	1/2	109,950	1/2	97,015	1/2	84,075	1/2	71,140
3/4	3/4	3/4	156,675	3/4	148,303	3/4	139,931	3/4	131,559	3/4	122,620	3/4	109,680	3/4	96,746	3/4	83,805	3/4	70,871
8	8	8	156,501	8	148,129	8	139,756	8	131,384	8	122,351	8	109,410	8	96,476	8	83,536	8	70,602
1/4	1/4	1/4	156,326	1/4	147,954	1/4	139,582	1/4	131,210	1/4	122,081	1/4	109,141	1/4	96,206	1/4	83,266	1/4	70,333
1/2	1/2	1/2	156,152	1/2	147,780	1/2	139,408	1/2	131,035	1/2	121,812	1/2	108,871	1/2	95,937	1/2	82,996	1/2	70,064
3/4	3/4	3/4	155,977	3/4	147,605	3/4	139,233	3/4	130,861	3/4	121,542	3/4	108,602	3/4	95,667	3/4	82,727	3/4	69,795
9	9	9	155,803	9	147,431	9	139,059	9	130,687	9	121,272	9	108,332	9	95,398	9	82,457	9	69,526
1/4	1/4	1/4	155,629	1/4	147,256	1/4	138,884	1/4	130,512	1/4	121,003	1/4	108,062	1/4	95,128	1/4	82,188	1/4	69,257
1/2	1/2	1/2	155,454	1/2	147,082	1/2	138,710	1/2	130,338	1/2	120,733	1/2	107,793	1/2	94,858	1/2	81,918	1/2	68,988
3/4	3/4	3/4	155,280	3/4	146,908	3/4	138,535	3/4	130,163	3/4	120,464	3/4	107,523	3/4	94,589	3/4	81,649	3/4	68,719
10	10	10	155,105	10	146,733	10	138,361	10	129,989	10	120,194	10	107,254	10	94,319	10	81,379	10	68,450
1/4	1/4	1/4	154,931	1/4	146,559	1/4	138,187	1/4	129,815	1/4	119,924	1/4	106,984	1/4	94,050	1/4	81,109	1/4	68,181
1/2	1/2	1/2	154,756	1/2	146,384	1/2	138,012	1/2	129,640	1/2	119,655	1/2	106,715	1/2	93,780	1/2	80,840	1/2	67,912
3/4	3/4	3/4	154,582	3/4	146,210	3/4	137,838	3/4	129,466	3/4	119,385	3/4	106,445	3/4	93,511	3/4	80,570	3/4	67,643
11	11	11	154,408	11	146,035	11	137,663	11	129,291	11	119,116	11	106,176	11	93,241	11	80,301	11	67,374
1/4	1/4	1/4	154,233	1/4	145,861	1/4	137,489	1/4	129,117	1/4	118,846	1/4	105,906	1/4	92,971	1/4	80,031	1/4	67,105
1/2	1/2	1/2	154,059	1/2	145,687	1/2	137,315	1/2	128,942	1/2	118,576	1/2	105,637	1/2	92,702	1/2	79,761	1/2	66,836
3/4	3/4	3/4	161,198	3/4	153,884	3/4	145,512	3/4	137,140	3/4	128,768	3/4	118,307	3/4	105,368	3/4	79,492	3/4	66,567

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'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "IB 1906"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 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	66,298	0	53,370	0	40,451	0	27,768	0	14,824	0	1,911	0		0		0		0	
1/4	66,029	1/4	53,101	1/4	40,187	1/4	27,498	1/4	14,555	1/4	1,646	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,760	1/2	52,831	1/2	39,923	1/2	27,228	1/2	14,285	1/2	1,421	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,491	3/4	52,562	3/4	39,659	3/4	26,959	3/4	14,015	3/4	1,197	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	65,222	1	52,292	1	39,394	1	26,689	1	13,746	1	972	1	1	1	1	1	1	1	1
1/4	64,953	1/4	52,023	1/4	39,130	1/4	26,419	1/4	13,476	1/4	747	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,684	1/2	51,753	1/2	38,868	1/2	26,150	1/2	13,206	1/2	612	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,415	3/4	51,484	3/4	38,605	3/4	25,880	3/4	12,937	3/4	477	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	64,146	2	51,214	2	38,343	2	25,611	2	12,667	2	342	2	2	2	2	2	2	2	2
1/4	63,877	1/4	50,945	1/4	38,081	1/4	25,341	1/4	12,397	1/4	207	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,608	1/2	50,675	1/2	37,818	1/2	25,071	1/2	12,128	1/2	162	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,339	3/4	50,406	3/4	37,556	3/4	24,802	3/4	11,858	3/4	117	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	63,070	3	50,136	3	37,294	3	24,532	3	11,588	3	72	3	3	3	3	3	3	3	3
1/4	62,801	1/4	49,867	1/4	37,031	1/4	24,262	1/4	11,319	1/4	26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,532	1/2	49,598	1/2	36,769	1/2	23,993	1/2	11,049	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,262	3/4	49,328	3/4	36,506	3/4	23,723	3/4	10,779	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	61,993	4	49,059	4	36,244	4	23,453	4	10,510	4	4	4	4	4	4	4	4	4	4
1/4	61,723	1/4	48,789	1/4	35,982	1/4	23,184	1/4	10,240	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,454	1/2	48,520	1/2	35,719	1/2	22,914	1/2	9,970	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,184	3/4	48,250	3/4	35,457	3/4	22,644	3/4	9,700	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	60,915	5	47,981	5	35,194	5	22,375	5	9,430	5	5	5	5	5	5	5	5	5	5
1/4	60,645	1/4	47,711	1/4	34,932	1/4	22,105	1/4	9,161	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,376	1/2	47,442	1/2	34,670	1/2	21,835	1/2	8,891	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,107	3/4	47,172	3/4	34,407	3/4	21,566	3/4	8,621	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	59,837	6	46,903	6	34,145	6	21,296	6	8,351	6	6	6	6	6	6	6	6	6	6
1/4	59,568	1/4	46,633	1/4	33,883	1/4	21,026	1/4	8,081	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,298	1/2	46,364	1/2	33,620	1/2	20,757	1/2	7,811	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,029	3/4	46,095	3/4	33,358	3/4	20,487	3/4	7,541	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	58,759	7	45,825	7	33,095	7	20,217	7	7,272	7	7	7	7	7	7	7	7	7	7
1/4	58,490	1/4	45,556	1/4	32,833	1/4	19,948	1/4	7,002	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,220	1/2	45,286	1/2	32,571	1/2	19,678	1/2	6,732	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,951	3/4	45,017	3/4	32,308	3/4	19,408	3/4	6,463	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	57,681	8	44,747	8	32,046	8	19,139	8	6,193	8	8	8	8	8	8	8	8	8	8
1/4	57,412	1/4	44,478	1/4	31,783	1/4	18,869	1/4	5,923	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,142	1/2	44,208	1/2	31,521	1/2	18,600	1/2	5,654	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,873	3/4	43,939	3/4	31,259	3/4	18,330	3/4	5,385	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	56,604	9	43,669	9	30,996	9	18,060	9	5,115	9	9	9	9	9	9	9	9	9	9
1/4	56,334	1/4	43,400	1/4	30,734	1/4	17,791	1/4	4,846	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,065	1/2	43,130	1/2	30,464	1/2	17,521	1/2	4,578	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,795	3/4	42,861	3/4	30,195	3/4	17,251	3/4	4,309	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	55,526	10	42,592	10	29,925	10	16,982	10	4,041	10	10	10	10	10	10	10	10	10	10
1/4	55,256	1/4	42,322	1/4	29,655	1/4	16,712	1/4	3,772	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,987	1/2	42,053	1/2	29,386	1/2	16,442	1/2	3,505	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,717	3/4	41,783	3/4	29,116	3/4	16,173	3/4	3,238	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	54,448	11	41,514	11	28,846	11	15,903	11	2,971	11	11	11	11	11	11	11	11	11	11
1/4	54,178	1/4	41,244	1/4	28,577	1/4	15,633	1/4	2,704	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,909	1/2	40,980	1/2	28,307	1/2	15,364	1/2	2,440	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,639	3/4	40,716	3/4	28,037	3/4	15,094	3/4	2,175	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2019 SW
CALCULATED: 05/14/2019 CL
PRINTED: 05/15/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "IB 1906"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0	174,121	0	162,607	0	150,175	0	137,743	0	125,311	0	112,879	0	100,447	0	88,015	0	75,583
1/4		1/4	174,034	1/4	162,348	1/4	149,916	1/4	137,484	1/4	125,052	1/4	112,620	1/4	100,188	1/4	87,756	1/4	75,324
1/2		1/2	173,948	1/2	162,089	1/2	149,657	1/2	137,225	1/2	124,793	1/2	112,361	1/2	99,929	1/2	87,497	1/2	75,065
3/4		3/4	173,862	3/4	161,830	3/4	149,398	3/4	136,966	3/4	124,534	3/4	112,102	3/4	99,670	3/4	87,238	3/4	74,806
1		1	173,689	1	161,571	1	149,139	1	136,707	1	124,275	1	111,843	1	99,411	1	86,979	1	74,547
1/4		1/4	173,516	1/4	161,312	1/4	148,880	1/4	136,448	1/4	124,016	1/4	111,584	1/4	99,152	1/4	86,720	1/4	74,288
1/2		1/2	173,344	1/2	161,053	1/2	148,621	1/2	136,189	1/2	123,757	1/2	111,325	1/2	98,893	1/2	86,461	1/2	74,029
3/4		3/4	173,171	3/4	160,794	3/4	148,362	3/4	135,930	3/4	123,498	3/4	111,066	3/4	98,634	3/4	86,202	3/4	73,770
2		2	172,924	2	160,535	2	148,103	2	135,671	2	123,239	2	110,807	2	98,375	2	85,943	2	73,511
1/4		1/4	172,677	1/4	160,276	1/4	147,844	1/4	135,412	1/4	122,980	1/4	110,548	1/4	98,116	1/4	85,684	1/4	73,252
1/2		1/2	172,431	1/2	160,017	1/2	147,585	1/2	135,153	1/2	122,721	1/2	110,289	1/2	97,857	1/2	85,425	1/2	72,993
3/4		3/4	172,184	3/4	159,758	3/4	147,326	3/4	134,894	3/4	122,462	3/4	110,030	3/4	97,598	3/4	85,166	3/4	72,734
3		3	171,926	3	159,499	3	147,067	3	134,635	3	122,203	3	109,771	3	97,339	3	84,907	3	72,475
1/4		1/4	171,668	1/4	159,240	1/4	146,808	1/4	134,376	1/4	121,944	1/4	109,512	1/4	97,080	1/4	84,648	1/4	72,216
1/2		1/2	171,410	1/2	158,981	1/2	146,549	1/2	134,117	1/2	121,685	1/2	109,253	1/2	96,821	1/2	84,389	1/2	71,957
3/4		3/4	171,152	3/4	158,722	3/4	146,290	3/4	133,858	3/4	121,426	3/4	108,994	3/4	96,562	3/4	84,130	3/4	71,698
4		4	170,894	4	158,463	4	146,031	4	133,599	4	121,167	4	108,735	4	96,303	4	83,871	4	71,439
1/4		1/4	170,635	1/4	158,204	1/4	145,772	1/4	133,340	1/4	120,908	1/4	108,476	1/4	96,044	1/4	83,612	1/4	71,180
1/2		1/2	170,376	1/2	157,945	1/2	145,513	1/2	133,081	1/2	120,649	1/2	108,217	1/2	95,785	1/2	83,353	1/2	70,921
3/4		3/4	170,117	3/4	157,686	3/4	145,254	3/4	132,822	3/4	120,390	3/4	107,958	3/4	95,526	3/4	83,094	3/4	70,662
5		5	169,858	5	157,427	5	144,995	5	132,563	5	120,131	5	107,699	5	95,267	5	82,835	5	70,403
1/4		1/4	169,599	1/4	157,168	1/4	144,736	1/4	132,304	1/4	119,872	1/4	107,440	1/4	95,008	1/4	82,576	1/4	70,144
1/2		1/2	169,340	1/2	156,909	1/2	144,477	1/2	132,045	1/2	119,613	1/2	107,181	1/2	94,749	1/2	82,317	1/2	69,885
3/4		3/4	169,081	3/4	156,650	3/4	144,218	3/4	131,786	3/4	119,354	3/4	106,922	3/4	94,490	3/4	82,058	3/4	69,626
6		6	168,822	6	156,391	6	143,959	6	131,527	6	119,095	6	106,663	6	94,231	6	81,799	6	69,367
1/4		1/4	168,563	1/4	156,132	1/4	143,700	1/4	131,268	1/4	118,836	1/4	106,404	1/4	93,972	1/4	81,540	1/4	69,108
1/2		1/2	168,304	1/2	155,873	1/2	143,441	1/2	131,009	1/2	118,577	1/2	106,145	1/2	93,713	1/2	81,281	1/2	68,849
3/4		3/4	168,045	3/4	155,614	3/4	143,182	3/4	130,750	3/4	118,318	3/4	105,886	3/4	93,454	3/4	81,022	3/4	68,590
7		7	167,786	7	155,355	7	142,923	7	130,491	7	118,059	7	105,627	7	93,195	7	80,763	7	68,331
1/4		1/4	167,527	1/4	155,096	1/4	142,664	1/4	130,232	1/4	117,800	1/4	105,368	1/4	92,936	1/4	80,504	1/4	68,072
1/2		1/2	167,268	1/2	154,837	1/2	142,405	1/2	129,973	1/2	117,541	1/2	105,109	1/2	92,677	1/2	80,245	1/2	67,813
3/4		3/4	167,009	3/4	154,578	3/4	142,146	3/4	129,714	3/4	117,282	3/4	104,850	3/4	92,418	3/4	79,986	3/4	67,554
8		8	166,750	8	154,319	8	141,887	8	129,455	8	117,023	8	104,591	8	92,159	8	79,727	8	67,295
1/4		1/4	166,491	1/4	154,060	1/4	141,628	1/4	129,196	1/4	116,764	1/4	104,332	1/4	91,900	1/4	79,468	1/4	67,036
1/2		1/2	166,232	1/2	153,801	1/2	141,369	1/2	128,937	1/2	116,505	1/2	104,073	1/2	91,641	1/2	79,209	1/2	66,777
3/4		3/4	165,973	3/4	153,542	3/4	141,110	3/4	128,678	3/4	116,246	3/4	103,814	3/4	91,382	3/4	78,950	3/4	66,518
9		9	165,714	9	153,283	9	140,851	9	128,419	9	115,987	9	103,555	9	91,123	9	78,691	9	66,259
1/4		1/4	165,455	1/4	153,024	1/4	140,592	1/4	128,160	1/4	115,728	1/4	103,296	1/4	90,864	1/4	78,432	1/4	66,000
1/2		1/2	165,196	1/2	152,765	1/2	140,333	1/2	127,901	1/2	115,469	1/2	103,037	1/2	90,605	1/2	78,173	1/2	65,741
3/4		3/4	164,937	3/4	152,506	3/4	140,074	3/4	127,642	3/4	115,210	3/4	102,778	3/4	90,346	3/4	77,914	3/4	65,482
10		10	164,678	10	152,247	10	139,815	10	127,383	10	114,951	10	102,519	10	90,087	10	77,655	10	65,223
1/4		1/4	164,419	1/4	151,988	1/4	139,556	1/4	127,124	1/4	114,692	1/4	102,260	1/4	89,828	1/4	77,396	1/4	64,964
1/2		1/2	164,160	1/2	151,729	1/2	139,297	1/2	126,865	1/2	114,433	1/2	102,001	1/2	89,569	1/2	77,137	1/2	64,705
3/4		3/4	163,902	3/4	151,470	3/4	139,038	3/4	126,606	3/4	114,174	3/4	101,742	3/4	89,310	3/4	76,878	3/4	64,446
11		11	163,643	11	151,211	11	138,779	11	126,347	11	113,915	11	101,483	11	89,051	11	76,619	11	64,187
1/4	174,250	1/4	163,384	1/4	150,952	1/4	138,520	1/4	126,088	1/4	113,656	1/4	101,224	1/4	88,792	1/4	76,360	1/4	63,928
1/2	174,228	1/2	163,125	1/2	150,693	1/2	138,261	1/2	125,829	1/2	113,397	1/2	100,965	1/2	88,533	1/2	76,101	1/2	63,669
3/4	174,207	3/4	162,866	3/4	150,434	3/4	138,002	3/4	125,570	3/4	113,138	3/4	100,706	3/4	88,274	3/4	75,842	3/4	63,410

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "IB 1906"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 3/4"

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	63,151	0	50,719	0	38,323	0	26,138	0	13,707	0	1,364	0		0		0		0	
1/4	62,892	1/4	50,460	1/4	38,071	1/4	25,879	1/4	13,448	1/4	1,148	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,633	1/2	50,201	1/2	37,819	1/2	25,620	1/2	13,189	1/2	933	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,374	3/4	49,942	3/4	37,567	3/4	25,361	3/4	12,930	3/4	717	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	62,115	1	49,683	1	37,315	1	25,102	1	12,671	1	588	1	1	1	1	1	1	1	1
1/4	61,856	1/4	49,424	1/4	37,063	1/4	24,843	1/4	12,412	1/4	458	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,597	1/2	49,165	1/2	36,811	1/2	24,584	1/2	12,153	1/2	329	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,338	3/4	48,906	3/4	36,559	3/4	24,325	3/4	11,894	3/4	199	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	61,079	2	48,647	2	36,307	2	24,067	2	11,635	2	156	2	2	2	2	2	2	2	2
1/4	60,820	1/4	48,388	1/4	36,055	1/4	23,808	1/4	11,376	1/4	113	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,561	1/2	48,129	1/2	35,803	1/2	23,549	1/2	11,117	1/2	70	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,302	3/4	47,870	3/4	35,551	3/4	23,290	3/4	10,858	3/4	26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	60,043	3	47,611	3	35,299	3	23,031	3	10,599	3		3	3	3	3	3	3	3	3
1/4	59,784	1/4	47,352	1/4	35,047	1/4	22,772	1/4	10,340	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,525	1/2	47,093	1/2	34,796	1/2	22,513	1/2	10,081	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,266	3/4	46,834	3/4	34,544	3/4	22,254	3/4	9,822	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	59,007	4	46,575	4	34,292	4	21,995	4	9,563	4		4	4	4	4	4	4	4	4
1/4	58,748	1/4	46,316	1/4	34,040	1/4	21,736	1/4	9,304	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,489	1/2	46,057	1/2	33,788	1/2	21,477	1/2	9,045	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,230	3/4	45,798	3/4	33,536	3/4	21,218	3/4	8,786	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	57,971	5	45,539	5	33,284	5	20,959	5	8,527	5		5	5	5	5	5	5	5	5
1/4	57,712	1/4	45,280	1/4	33,032	1/4	20,700	1/4	8,268	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,453	1/2	45,021	1/2	32,780	1/2	20,441	1/2	8,009	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,194	3/4	44,762	3/4	32,528	3/4	20,182	3/4	7,750	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	56,935	6	44,503	6	32,276	6	19,923	6	7,491	6		6	6	6	6	6	6	6	6
1/4	56,676	1/4	44,244	1/4	32,024	1/4	19,664	1/4	7,232	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,417	1/2	43,985	1/2	31,773	1/2	19,405	1/2	6,973	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,158	3/4	43,726	3/4	31,521	3/4	19,146	3/4	6,715	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	55,899	7	43,467	7	31,269	7	18,887	7	6,456	7		7	7	7	7	7	7	7	7
1/4	55,640	1/4	43,208	1/4	31,017	1/4	18,628	1/4	6,197	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,381	1/2	42,949	1/2	30,765	1/2	18,369	1/2	5,938	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,122	3/4	42,690	3/4	30,513	3/4	18,110	3/4	5,680	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	54,863	8	42,431	8	30,261	8	17,851	8	5,421	8		8	8	8	8	8	8	8	8
1/4	54,604	1/4	42,172	1/4	30,009	1/4	17,592	1/4	5,163	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,345	1/2	41,913	1/2	29,757	1/2	17,333	1/2	4,905	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,086	3/4	41,654	3/4	29,505	3/4	17,074	3/4	4,647	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	53,827	9	41,395	9	29,246	9	16,815	9	4,389	9		9	9	9	9	9	9	9	9
1/4	53,568	1/4	41,136	1/4	28,987	1/4	16,556	1/4	4,132	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,309	1/2	40,877	1/2	28,728	1/2	16,297	1/2	3,875	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,050	3/4	40,618	3/4	28,469	3/4	16,038	3/4	3,617	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	52,791	10	40,359	10	28,210	10	15,779	10	3,361	10		10	10	10	10	10	10	10	10
1/4	52,532	1/4	40,100	1/4	27,951	1/4	15,520	1/4	3,105	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,273	1/2	39,841	1/2	27,692	1/2	15,261	1/2	2,849	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,014	3/4	39,582	3/4	27,433	3/4	15,002	3/4	2,593	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	51,755	11	39,330	11	27,174	11	14,743	11	2,340	11		11	11	11	11	11	11	11	11
1/4	51,496	1/4	39,078	1/4	26,915	1/4	14,484	1/4	2,086	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,237	1/2	38,826	1/2	26,656	1/2	14,225	1/2	1,833	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,978	3/4	38,575	3/4	26,397	3/4	13,966	3/4	1,579	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2019 SW
CALCULATED: 05/14/2019 CL
PRINTED: 05/15/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019



BARGE "IB 1906"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	173,001	0	161,224	0	148,879	0	136,533	0	124,188	0	111,842	0	99,497	0	87,152	0	74,806	
1/4	1/4	172,915	1/4	160,967	1/4	148,622	1/4	136,276	1/4	123,931	1/4	111,585	1/4	99,240	1/4	86,894	1/4	74,549	
1/2	1/2	172,744	1/2	160,710	1/2	148,364	1/2	136,019	1/2	123,674	1/2	111,328	1/2	98,983	1/2	86,637	1/2	74,292	
3/4	3/4	172,572	3/4	160,453	3/4	148,107	3/4	135,762	3/4	123,416	3/4	111,071	3/4	98,725	3/4	86,380	3/4	74,035	
1	1	172,401	1	160,195	1	147,850	1	135,505	1	123,159	1	110,814	1	98,468	1	86,123	1	73,777	
1/4	1/4	172,229	1/4	159,938	1/4	147,593	1/4	135,247	1/4	122,902	1/4	110,557	1/4	98,211	1/4	85,866	1/4	73,520	
1/2	1/2	171,984	1/2	159,681	1/2	147,336	1/2	134,990	1/2	122,645	1/2	110,299	1/2	97,954	1/2	85,608	1/2	73,263	
3/4	3/4	171,739	3/4	159,424	3/4	147,078	3/4	134,733	3/4	122,388	3/4	110,042	3/4	97,697	3/4	85,351	3/4	73,006	
2	2	171,494	2	159,167	2	146,821	2	134,476	2	122,130	2	109,785	2	97,440	2	85,094	2	72,749	
1/4	1/4	171,249	1/4	158,909	1/4	146,564	1/4	134,219	1/4	121,873	1/4	109,528	1/4	97,182	1/4	84,837	1/4	72,491	
1/2	1/2	170,993	1/2	158,652	1/2	146,307	1/2	133,961	1/2	121,616	1/2	109,271	1/2	96,925	1/2	84,580	1/2	72,234	
3/4	3/4	170,737	3/4	158,395	3/4	146,050	3/4	133,704	3/4	121,359	3/4	109,013	3/4	96,668	3/4	84,323	3/4	71,977	
3	3	170,481	3	158,138	3	145,792	3	133,447	3	121,102	3	108,756	3	96,411	3	84,065	3	71,720	
1/4	1/4	170,225	1/4	157,881	1/4	145,535	1/4	133,190	1/4	120,844	1/4	108,499	1/4	96,154	1/4	83,808	1/4	71,463	
1/2	1/2	169,968	1/2	157,623	1/2	145,278	1/2	132,933	1/2	120,587	1/2	108,242	1/2	95,896	1/2	83,551	1/2	71,206	
3/4	3/4	169,711	3/4	157,366	3/4	145,021	3/4	132,675	3/4	120,330	3/4	107,985	3/4	95,639	3/4	83,294	3/4	70,948	
4	4	169,454	4	157,109	4	144,764	4	132,418	4	120,073	4	107,727	4	95,382	4	83,037	4	70,691	
1/4	1/4	169,197	1/4	156,852	1/4	144,506	1/4	132,161	1/4	119,816	1/4	107,470	1/4	95,125	1/4	82,779	1/4	70,434	
1/2	1/2	168,940	1/2	156,595	1/2	144,249	1/2	131,904	1/2	119,558	1/2	107,213	1/2	94,868	1/2	82,522	1/2	70,177	
3/4	3/4	168,683	3/4	156,337	3/4	143,992	3/4	131,647	3/4	119,301	3/4	106,956	3/4	94,610	3/4	82,265	3/4	69,920	
5	5	168,426	5	156,080	5	143,735	5	131,389	5	119,044	5	106,699	5	94,353	5	82,008	5	69,662	
1/4	1/4	168,168	1/4	155,823	1/4	143,478	1/4	131,132	1/4	118,787	1/4	106,441	1/4	94,096	1/4	81,751	1/4	69,405	
1/2	1/2	167,911	1/2	155,566	1/2	143,220	1/2	130,875	1/2	118,530	1/2	106,184	1/2	93,839	1/2	81,493	1/2	69,148	
3/4	3/4	167,654	3/4	155,309	3/4	142,963	3/4	130,618	3/4	118,272	3/4	105,927	3/4	93,582	3/4	81,236	3/4	68,891	
6	6	167,397	6	155,051	6	142,706	6	130,361	6	118,015	6	105,670	6	93,324	6	80,979	6	68,634	
1/4	1/4	167,140	1/4	154,794	1/4	142,449	1/4	130,103	1/4	117,758	1/4	105,413	1/4	93,067	1/4	80,722	1/4	68,376	
1/2	1/2	166,882	1/2	154,537	1/2	142,192	1/2	129,846	1/2	117,501	1/2	105,155	1/2	92,810	1/2	80,465	1/2	68,119	
3/4	3/4	166,625	3/4	154,280	3/4	141,934	3/4	129,589	3/4	117,244	3/4	104,898	3/4	92,553	3/4	80,207	3/4	67,862	
7	7	166,368	7	154,023	7	141,677	7	129,332	7	116,986	7	104,641	7	92,296	7	79,950	7	67,605	
1/4	1/4	166,111	1/4	153,765	1/4	141,420	1/4	129,075	1/4	116,729	1/4	104,384	1/4	92,038	1/4	79,693	1/4	67,348	
1/2	1/2	165,854	1/2	153,508	1/2	141,163	1/2	128,817	1/2	116,472	1/2	104,127	1/2	91,781	1/2	79,436	1/2	67,090	
3/4	3/4	165,596	3/4	153,251	3/4	140,906	3/4	128,560	3/4	116,215	3/4	103,869	3/4	91,524	3/4	79,179	3/4	66,833	
8	8	165,339	8	152,994	8	140,648	8	128,303	8	115,958	8	103,612	8	91,267	8	78,921	8	66,576	
1/4	1/4	165,082	1/4	152,737	1/4	140,391	1/4	128,046	1/4	115,700	1/4	103,355	1/4	91,010	1/4	78,664	1/4	66,319	
1/2	1/2	164,825	1/2	152,479	1/2	140,134	1/2	127,789	1/2	115,443	1/2	103,098	1/2	90,752	1/2	78,407	1/2	66,062	
3/4	3/4	164,568	3/4	152,222	3/4	139,877	3/4	127,531	3/4	115,186	3/4	102,841	3/4	90,495	3/4	78,150	3/4	65,804	
9	9	164,310	9	151,965	9	139,620	9	127,274	9	114,929	9	102,583	9	90,238	9	77,893	9	65,547	
1/4	1/4	164,053	1/4	151,708	1/4	139,362	1/4	127,017	1/4	114,672	1/4	102,326	1/4	89,981	1/4	77,635	1/4	65,290	
1/2	1/2	163,796	1/2	151,451	1/2	139,105	1/2	126,760	1/2	114,414	1/2	102,069	1/2	89,724	1/2	77,378	1/2	65,033	
3/4	3/4	163,539	3/4	151,193	3/4	138,848	3/4	126,503	3/4	114,157	3/4	101,812	3/4	89,466	3/4	77,121	3/4	64,776	
10	10	163,282	10	150,936	10	138,591	10	126,245	10	113,900	10	101,555	10	89,209	10	76,864	10	64,518	
1/4	1/4	163,025	1/4	150,679	1/4	138,334	1/4	125,988	1/4	113,643	1/4	101,297	1/4	88,952	1/4	76,607	1/4	64,261	
1/2	1/2	162,767	1/2	150,422	1/2	138,076	1/2	125,731	1/2	113,386	1/2	101,040	1/2	88,695	1/2	76,349	1/2	64,004	
3/4	173,301	162,510	3/4	150,165	3/4	137,819	3/4	125,474	3/4	113,128	3/4	100,783	3/4	88,438	3/4	76,092	3/4	63,747	
11	173,280	162,253	11	149,908	11	137,562	11	125,217	11	112,871	11	100,526	11	88,180	11	75,835	11	63,490	
1/4	173,258	161,996	1/4	149,650	1/4	137,305	1/4	124,959	1/4	112,614	1/4	100,269	1/4	87,923	1/4	75,578	1/4	63,232	
1/2	173,172	161,739	1/2	149,393	1/2	137,048	1/2	124,702	1/2	112,357	1/2	100,011	1/2	87,666	1/2	75,321	1/2	62,975	
3/4	173,087	161,481	3/4	149,136	3/4	136,791	3/4	124,445	3/4	112,100	3/4	99,754	3/4	87,409	3/4	75,063	3/4	62,718	

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "IB 1906"

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	62,461	0	50,115	0	37,773	0	25,442	0	13,097	0	926	0		0		0		0	
1/4	62,204	1/4	49,858	1/4	37,516	1/4	25,185	1/4	12,840	1/4	712	1/4		1/4		1/4		1/4	
1/2	61,946	1/2	49,601	1/2	37,259	1/2	24,928	1/2	12,583	1/2	584	1/2		1/2		1/2		1/2	
3/4	61,689	3/4	49,344	3/4	37,002	3/4	24,671	3/4	12,326	3/4	455	3/4		3/4		3/4		3/4	
1	61,432	1	49,087	1	36,746	1	24,414	1	12,069	1	327	1		1		1		1	
1/4	61,175	1/4	48,829	1/4	36,489	1/4	24,156	1/4	11,811	1/4	198	1/4		1/4		1/4		1/4	
1/2	60,918	1/2	48,572	1/2	36,232	1/2	23,899	1/2	11,554	1/2	155	1/2		1/2		1/2		1/2	
3/4	60,660	3/4	48,315	3/4	35,975	3/4	23,642	3/4	11,297	3/4	112	3/4		3/4		3/4		3/4	
2	60,403	2	48,058	2	35,719	2	23,385	2	11,040	2	69	2		2		2		2	
1/4	60,146	1/4	47,801	1/4	35,462	1/4	23,128	1/4	10,783	1/4	26	1/4		1/4		1/4		1/4	
1/2	59,889	1/2	47,543	1/2	35,205	1/2	22,871	1/2	10,526	1/2		1/2		1/2		1/2		1/2	
3/4	59,632	3/4	47,286	3/4	34,949	3/4	22,613	3/4	10,268	3/4		3/4		3/4		3/4		3/4	
3	59,374	3	47,029	3	34,692	3	22,356	3	10,011	3		3		3		3		3	
1/4	59,117	1/4	46,772	1/4	34,435	1/4	22,099	1/4	9,754	1/4		1/4		1/4		1/4		1/4	
1/2	58,860	1/2	46,515	1/2	34,178	1/2	21,842	1/2	9,497	1/2		1/2		1/2		1/2		1/2	
3/4	58,603	3/4	46,257	3/4	33,922	3/4	21,585	3/4	9,240	3/4		3/4		3/4		3/4		3/4	
4	58,346	4	46,000	4	33,665	4	21,327	4	8,982	4		4		4		4		4	
1/4	58,088	1/4	45,743	1/4	33,408	1/4	21,070	1/4	8,725	1/4		1/4		1/4		1/4		1/4	
1/2	57,831	1/2	45,486	1/2	33,151	1/2	20,813	1/2	8,468	1/2		1/2		1/2		1/2		1/2	
3/4	57,574	3/4	45,229	3/4	32,895	3/4	20,556	3/4	8,211	3/4		3/4		3/4		3/4		3/4	
5	57,317	5	44,971	5	32,638	5	20,299	5	7,954	5		5		5		5		5	
1/4	57,060	1/4	44,714	1/4	32,381	1/4	20,041	1/4	7,697	1/4		1/4		1/4		1/4		1/4	
1/2	56,803	1/2	44,457	1/2	32,124	1/2	19,784	1/2	7,439	1/2		1/2		1/2		1/2		1/2	
3/4	56,545	3/4	44,200	3/4	31,868	3/4	19,527	3/4	7,182	3/4		3/4		3/4		3/4		3/4	
6	56,288	6	43,943	6	31,611	6	19,270	6	6,925	6		6		6		6		6	
1/4	56,031	1/4	43,686	1/4	31,354	1/4	19,013	1/4	6,668	1/4		1/4		1/4		1/4		1/4	
1/2	55,774	1/2	43,428	1/2	31,097	1/2	18,756	1/2	6,411	1/2		1/2		1/2		1/2		1/2	
3/4	55,517	3/4	43,171	3/4	30,841	3/4	18,498	3/4	6,154	3/4		3/4		3/4		3/4		3/4	
7	55,259	7	42,914	7	30,584	7	18,241	7	5,897	7		7		7		7		7	
1/4	55,002	1/4	42,657	1/4	30,327	1/4	17,984	1/4	5,640	1/4		1/4		1/4		1/4		1/4	
1/2	54,745	1/2	42,400	1/2	30,070	1/2	17,727	1/2	5,384	1/2		1/2		1/2		1/2		1/2	
3/4	54,488	3/4	42,142	3/4	29,814	3/4	17,470	3/4	5,128	3/4		3/4		3/4		3/4		3/4	
8	54,231	8	41,885	8	29,557	8	17,212	8	4,871	8		8		8		8		8	
1/4	53,973	1/4	41,628	1/4	29,300	1/4	16,955	1/4	4,615	1/4		1/4		1/4		1/4		1/4	
1/2	53,716	1/2	41,371	1/2	29,043	1/2	16,698	1/2	4,359	1/2		1/2		1/2		1/2		1/2	
3/4	53,459	3/4	41,114	3/4	28,786	3/4	16,441	3/4	4,104	3/4		3/4		3/4		3/4		3/4	
9	53,202	9	40,856	9	28,529	9	16,184	9	3,848	9		9		9		9		9	
1/4	52,945	1/4	40,599	1/4	28,271	1/4	15,926	1/4	3,592	1/4		1/4		1/4		1/4		1/4	
1/2	52,687	1/2	40,342	1/2	28,014	1/2	15,669	1/2	3,338	1/2		1/2		1/2		1/2		1/2	
3/4	52,430	3/4	40,085	3/4	27,757	3/4	15,412	3/4	3,084	3/4		3/4		3/4		3/4		3/4	
10	52,173	10	39,828	10	27,500	10	15,155	10	2,830	10		10		10		10		10	
1/4	51,916	1/4	39,570	1/4	27,243	1/4	14,898	1/4	2,576	1/4		1/4		1/4		1/4		1/4	
1/2	51,659	1/2	39,314	1/2	26,986	1/2	14,641	1/2	2,324	1/2		1/2		1/2		1/2		1/2	
3/4	51,401	3/4	39,057	3/4	26,728	3/4	14,383	3/4	2,072	3/4		3/4		3/4		3/4		3/4	
11	51,144	11	38,800	11	26,471	11	14,126	11	1,820	11		11		11		11		11	
1/4	50,887	1/4	38,543	1/4	26,214	1/4	13,869	1/4	1,568	1/4		1/4		1/4		1/4		1/4	
1/2	50,630	1/2	38,286	1/2	25,957	1/2	13,612	1/2	1,354	1/2		1/2		1/2		1/2		1/2	
3/4	50,373	3/4	38,030	3/4	25,700	3/4	13,355	3/4	1,140	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

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019