



# BARGE "CBC 1394"

## INNAGE 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>
<b>1 CENTER</b>	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-3/8	01-3/8
<b>2 CENTER</b>	00-1/8	- 00-1/8	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
<b>3 CENTER</b>	00-1/4	- 00-1/4	00-4/8	- 00-4/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-5/8	- 01-5/8

(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 1 CENTER IS - 00-1/2"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED INNAGE IS 4'-00 1/2"

LENGTH BETWEEN DRAFT MARKS: 161'-09"

July 21, 2017

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

<http://www.pmacorp.net>



# BARGE "CBC 1394"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

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	39	0	8,104	0	18,909	0	29,563	0	40,247	0	51,025	0	61,802	0	72,556	0	83,312	0	94,092
1/4	58	1/4	8,329	1/4	19,134	1/4	29,782	1/4	40,472	1/4	51,249	1/4	62,026	1/4	72,779	1/4	83,536	1/4	94,317
1/2	77	1/2	8,554	1/2	19,359	1/2	30,001	1/2	40,696	1/2	51,474	1/2	62,251	1/2	73,002	1/2	83,761	1/2	94,541
3/4	96	3/4	8,779	3/4	19,584	3/4	30,219	3/4	40,921	3/4	51,698	3/4	62,475	3/4	73,225	3/4	83,985	3/4	94,766
1	114	1	9,004	1	19,809	1	30,438	1	41,146	1	51,923	1	62,700	1	73,449	1	84,210	1	94,991
1/4	171	1/4	9,229	1/4	20,034	1/4	30,657	1/4	41,370	1/4	52,147	1/4	62,924	1/4	73,672	1/4	84,435	1/4	95,215
1/2	227	1/2	9,454	1/2	20,259	1/2	30,876	1/2	41,595	1/2	52,372	1/2	63,149	1/2	73,895	1/2	84,659	1/2	95,440
3/4	283	3/4	9,679	3/4	20,484	3/4	31,094	3/4	41,819	3/4	52,596	3/4	63,374	3/4	74,118	3/4	84,884	3/4	95,664
2	340	2	9,904	2	20,710	2	31,313	2	42,044	2	52,821	2	63,598	2	74,341	2	85,108	2	95,889
1/4	433	1/4	10,130	1/4	20,935	1/4	31,532	1/4	42,268	1/4	53,045	1/4	63,823	1/4	74,564	1/4	85,333	1/4	96,114
1/2	527	1/2	10,355	1/2	21,160	1/2	31,750	1/2	42,493	1/2	53,270	1/2	64,047	1/2	74,788	1/2	85,558	1/2	96,338
3/4	621	3/4	10,580	3/4	21,385	3/4	31,969	3/4	42,717	3/4	53,494	3/4	64,272	3/4	75,011	3/4	85,782	3/4	96,563
3	715	3	10,805	3	21,610	3	32,188	3	42,942	3	53,719	3	64,496	3	75,234	3	86,007	3	96,787
1/4	846	1/4	11,030	1/4	21,835	1/4	32,406	1/4	43,166	1/4	53,943	1/4	64,721	1/4	75,457	1/4	86,231	1/4	97,012
1/2	977	1/2	11,255	1/2	22,060	1/2	32,625	1/2	43,391	1/2	54,168	1/2	64,945	1/2	75,680	1/2	86,456	1/2	97,237
3/4	1,109	3/4	11,480	3/4	22,285	3/4	32,844	3/4	43,615	3/4	54,393	3/4	65,170	3/4	75,903	3/4	86,681	3/4	97,461
4	1,240	4	11,705	4	22,510	4	33,063	4	43,840	4	54,617	4	65,394	4	76,127	4	86,905	4	97,686
1/4	1,409	1/4	11,930	1/4	22,736	1/4	33,287	1/4	44,064	1/4	54,842	1/4	65,619	1/4	76,351	1/4	87,130	1/4	97,910
1/2	1,577	1/2	12,155	1/2	22,961	1/2	33,512	1/2	44,289	1/2	55,066	1/2	65,843	1/2	76,574	1/2	87,354	1/2	98,135
3/4	1,746	3/4	12,381	3/4	23,186	3/4	33,736	3/4	44,513	3/4	55,291	3/4	66,068	3/4	76,798	3/4	87,579	3/4	98,360
5	1,915	5	12,606	5	23,411	5	33,961	5	44,738	5	55,515	5	66,292	5	77,022	5	87,804	5	98,584
1/4	2,121	1/4	12,831	1/4	23,636	1/4	34,185	1/4	44,962	1/4	55,740	1/4	66,517	1/4	77,247	1/4	88,028	1/4	98,809
1/2	2,326	1/2	13,056	1/2	23,861	1/2	34,410	1/2	45,187	1/2	55,964	1/2	66,741	1/2	77,471	1/2	88,253	1/2	99,033
3/4	2,532	3/4	13,281	3/4	24,086	3/4	34,634	3/4	45,412	3/4	56,189	3/4	66,966	3/4	77,696	3/4	88,477	3/4	99,258
6	2,738	6	13,506	6	24,311	6	34,859	6	45,636	6	56,413	6	67,190	6	77,921	6	88,702	6	99,483
1/4	2,958	1/4	13,731	1/4	24,530	1/4	35,083	1/4	45,861	1/4	56,638	1/4	67,414	1/4	78,145	1/4	88,927	1/4	99,707
1/2	3,179	1/2	13,956	1/2	24,750	1/2	35,308	1/2	46,085	1/2	56,862	1/2	67,638	1/2	78,370	1/2	89,151	1/2	99,932
3/4	3,400	3/4	14,181	3/4	24,969	3/4	35,532	3/4	46,310	3/4	57,087	3/4	67,862	3/4	78,595	3/4	89,376	3/4	100,156
7	3,620	7	14,407	7	25,188	7	35,757	7	46,534	7	57,311	7	68,086	7	78,819	7	89,600	7	100,381
1/4	3,843	1/4	14,632	1/4	25,407	1/4	35,981	1/4	46,759	1/4	57,536	1/4	68,310	1/4	79,044	1/4	89,825	1/4	100,606
1/2	4,066	1/2	14,857	1/2	25,626	1/2	36,206	1/2	46,983	1/2	57,760	1/2	68,534	1/2	79,268	1/2	90,050	1/2	100,830
3/4	4,288	3/4	15,082	3/4	25,845	3/4	36,430	3/4	47,208	3/4	57,985	3/4	68,758	3/4	79,493	3/4	90,274	3/4	101,055
8	4,511	8	15,307	8	26,064	8	36,655	8	47,432	8	58,209	8	68,982	8	79,718	8	90,499	8	101,279
1/4	4,734	1/4	15,532	1/4	26,283	1/4	36,880	1/4	47,657	1/4	58,434	1/4	69,206	1/4	79,942	1/4	90,723	1/4	101,504
1/2	4,958	1/2	15,757	1/2	26,501	1/2	37,104	1/2	47,881	1/2	58,659	1/2	69,430	1/2	80,167	1/2	90,948	1/2	101,728
3/4	5,182	3/4	15,982	3/4	26,720	3/4	37,329	3/4	48,106	3/4	58,883	3/4	69,654	3/4	80,392	3/4	91,173	3/4	101,953
9	5,406	9	16,207	9	26,939	9	37,553	9	48,330	9	59,108	9	69,878	9	80,616	9	91,397	9	102,178
1/4	5,630	1/4	16,433	1/4	27,158	1/4	37,778	1/4	48,555	1/4	59,332	1/4	70,101	1/4	80,841	1/4	91,622	1/4	102,402
1/2	5,855	1/2	16,658	1/2	27,376	1/2	38,002	1/2	48,779	1/2	59,557	1/2	70,324	1/2	81,065	1/2	91,846	1/2	102,627
3/4	6,079	3/4	16,883	3/4	27,595	3/4	38,227	3/4	49,004	3/4	59,781	3/4	70,547	3/4	81,290	3/4	92,071	3/4	102,851
10	6,304	10	17,108	10	27,814	10	38,451	10	49,228	10	60,006	10	70,770	10	81,515	10	92,296	10	103,076
1/4	6,528	1/4	17,333	1/4	28,032	1/4	38,676	1/4	49,453	1/4	60,230	1/4	70,994	1/4	81,739	1/4	92,520	1/4	103,301
1/2	6,753	1/2	17,558	1/2	28,251	1/2	38,900	1/2	49,677	1/2	60,455	1/2	71,217	1/2	81,964	1/2	92,745	1/2	103,525
3/4	6,978	3/4	17,783	3/4	28,470	3/4	39,125	3/4	49,902	3/4	60,679	3/4	71,440	3/4	82,189	3/4	92,969	3/4	103,750
11	7,203	11	18,008	11	28,689	11	39,349	11	50,127	11	60,904	11	71,663	11	82,413	11	93,194	11	103,974
1/4	7,428	1/4	18,233	1/4	28,907	1/4	39,574	1/4	50,351	1/4	61,128	1/4	71,886	1/4	82,638	1/4	93,418	1/4	104,199
1/2	7,653	1/2	18,459	1/2	29,126	1/2	39,798	1/2	50,576	1/2	61,353	1/2	72,109	1/2	82,862	1/2	93,643	1/2	104,424
3/4	7,878	3/4	18,684	3/4	29,345	3/4	40,023	3/4	50,800	3/4	61,577	3/4	72,333	3/4	83,087	3/4	93,868	3/4	104,648

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 THREADS ON "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 29'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
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# BARGE "CBC 1394"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

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	104,873	0	114,989	0	124,463	0	133,895	0	143,311	0		0		0		0		0	
1/4	105,097	1/4	115,186	1/4	124,660	1/4	134,092	1/4	143,506	1/4				1/4		1/4		1/4	
1/2	105,322	1/2	115,384	1/2	124,857	1/2	134,289	1/2	143,700	1/2				1/2		1/2		1/2	
3/4	105,546	3/4	115,581	3/4	125,054	3/4	134,486	3/4	143,895	3/4				3/4		3/4		3/4	
1	105,770	1	115,778	1	125,251	1	134,683	1	144,090	1				1		1		1	
1/4	105,995	1/4	115,976	1/4	125,447	1/4	134,879	1/4	144,285	1/4				1/4		1/4		1/4	
1/2	106,219	1/2	116,173	1/2	125,644	1/2	135,076	1/2	144,480	1/2				1/2		1/2		1/2	
3/4	106,443	3/4	116,371	3/4	125,841	3/4	135,273	3/4	144,674	3/4				3/4		3/4		3/4	
2	106,668	2	116,568	2	126,038	2	135,470	2	144,869	2				2		2		2	
1/4	106,892	1/4	116,765	1/4	126,235	1/4	135,667	1/4	145,073	1/4				1/4		1/4		1/4	
1/2	107,116	1/2	116,963	1/2	126,432	1/2	135,864	1/2	145,276	1/2				1/2		1/2		1/2	
3/4	107,341	3/4	117,160	3/4	126,628	3/4	136,061	3/4	145,480	3/4				3/4		3/4		3/4	
3	107,565	3	117,358	3	126,825	3	136,257	3	145,684	3				3		3		3	
1/4	107,789	1/4	117,555	1/4	127,022	1/4	136,454	1/4	145,850	1/4				1/4		1/4		1/4	
1/2	108,014	1/2	117,752	1/2	127,219	1/2	136,651	1/2	146,016	1/2				1/2		1/2		1/2	
3/4	108,238	3/4	117,950	3/4	127,416	3/4	136,848	3/4	146,182	3/4				3/4		3/4		3/4	
4	108,462	4	118,147	4	127,613	4	137,045	4	146,349	4				4		4		4	
1/4	108,687	1/4	118,344	1/4	127,810	1/4	137,242	1/4	146,477	1/4				1/4		1/4		1/4	
1/2	108,911	1/2	118,542	1/2	128,006	1/2	137,438	1/2	146,606	1/2				1/2		1/2		1/2	
3/4	109,135	3/4	118,739	3/4	128,203	3/4	137,635	3/4	146,734	3/4				3/4		3/4		3/4	
5	109,360	5	118,937	5	128,400	5	137,832	5	146,863	5				5		5		5	
1/4	109,584	1/4	119,134	1/4	128,597	1/4	138,029	1/4	146,954	1/4				1/4		1/4		1/4	
1/2	109,808	1/2	119,331	1/2	128,794	1/2	138,226	1/2	147,045	1/2				1/2		1/2		1/2	
3/4	110,033	3/4	119,529	3/4	128,991	3/4	138,423	3/4	147,137	3/4				3/4		3/4		3/4	
6	110,257	6	119,726	6	129,188	6	138,620	6	147,228	6				6		6		6	
1/4	110,454	1/4	119,923	1/4	129,384	1/4	138,816	1/4	147,281	1/4				1/4		1/4		1/4	
1/2	110,651	1/2	120,121	1/2	129,580	1/2	139,013	1/2	147,335	1/2				1/2		1/2		1/2	
3/4	110,849	3/4	120,318	3/4	129,776	3/4	139,210	3/4	147,389	3/4				3/4		3/4		3/4	
7	111,046	7	120,516	7	129,972	7	139,407	7	147,442	7				7		7		7	
1/4	111,243	1/4	120,713	1/4	130,168	1/4	139,604	1/4	147,458	1/4				1/4		1/4		1/4	
1/2	111,440	1/2	120,910	1/2	130,364	1/2	139,801	1/2	147,474	1/2				1/2		1/2		1/2	
3/4	111,637	3/4	121,108	3/4	130,561	3/4	139,998	3/4	147,490	3/4				3/4		3/4		3/4	
8	111,834	8	121,305	8	130,757	8	140,194	8	147,507	8				8		8		8	
1/4	112,032	1/4	121,502	1/4	130,953	1/4	140,389	1/4		1/4				1/4		1/4		1/4	
1/2	112,229	1/2	121,700	1/2	131,149	1/2	140,584	1/2		1/2				1/2		1/2		1/2	
3/4	112,426	3/4	121,897	3/4	131,345	3/4	140,779	3/4		3/4				3/4		3/4		3/4	
9	112,623	9	122,095	9	131,541	9	140,974	9		9				9		9		9	
1/4	112,820	1/4	122,292	1/4	131,737	1/4	141,168	1/4		1/4				1/4		1/4		1/4	
1/2	113,017	1/2	122,489	1/2	131,934	1/2	141,363	1/2		1/2				1/2		1/2		1/2	
3/4	113,215	3/4	122,687	3/4	132,130	3/4	141,558	3/4		3/4				3/4		3/4		3/4	
10	113,412	10	122,884	10	132,326	10	141,753	10		10				10		10		10	
1/4	113,609	1/4	123,081	1/4	132,522	1/4	141,947	1/4		1/4				1/4		1/4		1/4	
1/2	113,806	1/2	123,279	1/2	132,718	1/2	142,142	1/2		1/2				1/2		1/2		1/2	
3/4	114,003	3/4	123,476	3/4	132,914	3/4	142,337	3/4		3/4				3/4		3/4		3/4	
11	114,200	11	123,674	11	133,111	11	142,532	11		11				11		11		11	
1/4	114,398	1/4	123,871	1/4	133,307	1/4	142,727	1/4		1/4				1/4		1/4		1/4	
1/2	114,595	1/2	124,068	1/2	133,503	1/2	142,921	1/2		1/2				1/2		1/2		1/2	
3/4	114,792	3/4	124,266	3/4	133,699	3/4	143,116	3/4		3/4				3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/20/2017 SW  
CALCULATED: 07/21/2017 CL  
PRINTED: 07/21/2017 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2017

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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<http://www.pmacorp.net>



# BARGE "CBC 1394"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

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	39	0	9,072	0	21,174	0	33,129	0	45,085	0	57,188	0	69,290	0	81,393	0	93,496	0	105,597
1/4	60	1/4	9,324	1/4	21,426	1/4	33,374	1/4	45,337	1/4	57,440	1/4	69,543	1/4	81,645	1/4	93,748	1/4	105,849
1/2	81	1/2	9,576	1/2	21,679	1/2	33,619	1/2	45,589	1/2	57,692	1/2	69,795	1/2	81,897	1/2	94,000	1/2	106,101
3/4	102	3/4	9,828	3/4	21,931	3/4	33,864	3/4	45,841	3/4	57,944	3/4	70,047	3/4	82,150	3/4	94,252	3/4	106,353
1	123	1	10,081	1	22,183	1	34,108	1	46,094	1	58,196	1	70,299	1	82,402	1	94,504	1	106,605
1/4	186	1/4	10,333	1/4	22,435	1/4	34,353	1/4	46,346	1/4	58,448	1/4	70,551	1/4	82,654	1/4	94,756	1/4	106,857
1/2	249	1/2	10,585	1/2	22,687	1/2	34,598	1/2	46,598	1/2	58,701	1/2	70,803	1/2	82,906	1/2	95,008	1/2	107,109
3/4	312	3/4	10,837	3/4	22,939	3/4	34,842	3/4	46,850	3/4	58,953	3/4	71,055	3/4	83,158	3/4	95,261	3/4	107,361
2	376	2	11,089	2	23,191	2	35,087	2	47,102	2	59,205	2	71,308	2	83,410	2	95,513	2	107,613
1/4	481	1/4	11,341	1/4	23,443	1/4	35,332	1/4	47,354	1/4	59,457	1/4	71,560	1/4	83,662	1/4	95,765	1/4	107,865
1/2	586	1/2	11,593	1/2	23,696	1/2	35,577	1/2	47,606	1/2	59,709	1/2	71,812	1/2	83,915	1/2	96,017	1/2	108,118
3/4	691	3/4	11,845	3/4	23,948	3/4	35,821	3/4	47,859	3/4	59,961	3/4	72,064	3/4	84,167	3/4	96,269	3/4	108,370
3	796	3	12,098	3	24,200	3	36,066	3	48,111	3	60,213	3	72,316	3	84,419	3	96,521	3	108,622
1/4	943	1/4	12,350	1/4	24,452	1/4	36,311	1/4	48,363	1/4	60,466	1/4	72,568	1/4	84,671	1/4	96,773	1/4	108,874
1/2	1,090	1/2	12,602	1/2	24,704	1/2	36,555	1/2	48,615	1/2	60,718	1/2	72,820	1/2	84,923	1/2	97,025	1/2	109,126
3/4	1,237	3/4	12,854	3/4	24,956	3/4	36,800	3/4	48,867	3/4	60,970	3/4	73,073	3/4	85,175	3/4	97,277	3/4	109,378
4	1,384	4	13,106	4	25,208	4	37,045	4	49,119	4	61,222	4	73,325	4	85,427	4	97,529	4	109,630
1/4	1,573	1/4	13,358	1/4	25,461	1/4	37,290	1/4	49,371	1/4	61,474	1/4	73,577	1/4	85,680	1/4	97,782	1/4	109,882
1/2	1,762	1/2	13,610	1/2	25,713	1/2	37,535	1/2	49,624	1/2	61,726	1/2	73,829	1/2	85,932	1/2	98,034	1/2	110,134
3/4	1,951	3/4	13,862	3/4	25,965	3/4	37,780	3/4	49,876	3/4	61,978	3/4	74,081	3/4	86,184	3/4	98,286	3/4	110,386
5	2,140	5	14,115	5	26,217	5	38,025	5	50,128	5	62,231	5	74,333	5	86,436	5	98,538	5	110,638
1/4	2,371	1/4	14,367	1/4	26,469	1/4	38,277	1/4	50,380	1/4	62,483	1/4	74,585	1/4	86,688	1/4	98,790	1/4	110,891
1/2	2,601	1/2	14,619	1/2	26,721	1/2	38,529	1/2	50,632	1/2	62,735	1/2	74,838	1/2	86,940	1/2	99,042	1/2	111,143
3/4	2,832	3/4	14,871	3/4	26,973	3/4	38,781	3/4	50,884	3/4	62,987	3/4	75,090	3/4	87,192	3/4	99,294	3/4	111,395
6	3,062	6	15,123	6	27,225	6	39,034	6	51,136	6	63,239	6	75,342	6	87,445	6	99,546	6	111,647
1/4	3,309	1/4	15,375	1/4	27,478	1/4	39,286	1/4	51,388	1/4	63,491	1/4	75,594	1/4	87,697	1/4	99,798	1/4	111,899
1/2	3,556	1/2	15,627	1/2	27,730	1/2	39,538	1/2	51,641	1/2	63,743	1/2	75,846	1/2	87,949	1/2	100,050	1/2	112,151
3/4	3,804	3/4	15,880	3/4	27,982	3/4	39,790	3/4	51,893	3/4	63,996	3/4	76,098	3/4	88,201	3/4	100,303	3/4	112,403
7	4,051	7	16,132	7	28,234	7	40,042	7	52,145	7	64,248	7	76,350	7	88,453	7	100,555	7	112,655
1/4	4,300	1/4	16,384	1/4	28,479	1/4	40,294	1/4	52,397	1/4	64,500	1/4	76,603	1/4	88,705	1/4	100,807	1/4	112,907
1/2	4,549	1/2	16,636	1/2	28,724	1/2	40,546	1/2	52,649	1/2	64,752	1/2	76,855	1/2	88,957	1/2	101,059	1/2	113,159
3/4	4,799	3/4	16,888	3/4	28,969	3/4	40,799	3/4	52,901	3/4	65,004	3/4	77,107	3/4	89,210	3/4	101,311	3/4	113,412
8	5,048	8	17,140	8	29,214	8	41,051	8	53,153	8	65,256	8	77,359	8	89,462	8	101,563	8	113,664
1/4	5,298	1/4	17,392	1/4	29,459	1/4	41,303	1/4	53,406	1/4	65,508	1/4	77,611	1/4	89,714	1/4	101,815	1/4	113,916
1/2	5,549	1/2	17,644	1/2	29,704	1/2	41,555	1/2	53,658	1/2	65,760	1/2	77,863	1/2	89,966	1/2	102,067	1/2	114,168
3/4	5,800	3/4	17,897	3/4	29,948	3/4	41,807	3/4	53,910	3/4	66,013	3/4	78,115	3/4	90,218	3/4	102,319	3/4	114,420
9	6,050	9	18,149	9	30,193	9	42,059	9	54,162	9	66,265	9	78,368	9	90,470	9	102,571	9	114,672
1/4	6,302	1/4	18,401	1/4	30,438	1/4	42,311	1/4	54,414	1/4	66,517	1/4	78,620	1/4	90,722	1/4	102,823	1/4	114,924
1/2	6,553	1/2	18,653	1/2	30,682	1/2	42,564	1/2	54,666	1/2	66,769	1/2	78,872	1/2	90,975	1/2	103,076	1/2	115,176
3/4	6,805	3/4	18,905	3/4	30,927	3/4	42,816	3/4	54,918	3/4	67,021	3/4	79,124	3/4	91,227	3/4	103,328	3/4	115,428
10	7,056	10	19,157	10	31,172	10	43,068	10	55,171	10	67,273	10	79,376	10	91,479	10	103,580	10	115,680
1/4	7,308	1/4	19,409	1/4	31,417	1/4	43,320	1/4	55,423	1/4	67,525	1/4	79,628	1/4	91,731	1/4	103,832	1/4	115,933
1/2	7,560	1/2	19,661	1/2	31,661	1/2	43,572	1/2	55,675	1/2	67,778	1/2	79,880	1/2	91,983	1/2	104,084	1/2	116,185
3/4	7,812	3/4	19,914	3/4	31,906	3/4	43,824	3/4	55,927	3/4	68,030	3/4	80,132	3/4	92,235	3/4	104,336	3/4	116,437
11	8,064	11	20,166	11	32,151	11	44,076	11	56,179	11	68,282	11	80,385	11	92,487	11	104,588	11	116,689
1/4	8,316	1/4	20,418	1/4	32,395	1/4	44,329	1/4	56,431	1/4	68,534	1/4	80,637	1/4	92,739	1/4	104,840	1/4	116,941
1/2	8,568	1/2	20,670	1/2	32,640	1/2	44,581	1/2	56,683	1/2	68,786	1/2	80,889	1/2	92,992	1/2	105,092	1/2	117,193
3/4	8,820	3/4	20,922	3/4	32,885	3/4	44,833	3/4	56,936	3/4	69,038	3/4	81,141	3/4	93,244	3/4	105,344	3/4	117,445

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 THREADS ON "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 29'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "CBC 1394"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

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	117,697	0	129,798	0	141,898	0	153,932	0	165,928	0		0		0		0		0	
1/4	117,949	1/4	130,050	1/4	142,149	1/4	154,183	1/4	166,177	1/4		1/4		1/4		1/4		1/4	
1/2	118,201	1/2	130,302	1/2	142,400	1/2	154,433	1/2	166,425	1/2		1/2		1/2		1/2		1/2	
3/4	118,453	3/4	130,554	3/4	142,651	3/4	154,684	3/4	166,673	3/4		3/4		3/4		3/4		3/4	
1	118,706	1	130,806	1	142,901	1	154,935	1	166,922	1		1		1		1		1	
1/4	118,958	1/4	131,058	1/4	143,152	1/4	155,185	1/4	167,170	1/4		1/4		1/4		1/4		1/4	
1/2	119,210	1/2	131,310	1/2	143,403	1/2	155,436	1/2	167,418	1/2		1/2		1/2		1/2		1/2	
3/4	119,462	3/4	131,563	3/4	143,653	3/4	155,687	3/4	167,667	3/4		3/4		3/4		3/4		3/4	
2	119,714	2	131,815	2	143,904	2	155,937	2	167,915	2		2		2		2		2	
1/4	119,966	1/4	132,067	1/4	144,155	1/4	156,188	1/4	168,143	1/4		1/4		1/4		1/4		1/4	
1/2	120,218	1/2	132,319	1/2	144,405	1/2	156,439	1/2	168,370	1/2		1/2		1/2		1/2		1/2	
3/4	120,470	3/4	132,571	3/4	144,656	3/4	156,690	3/4	168,597	3/4		3/4		3/4		3/4		3/4	
3	120,722	3	132,823	3	144,907	3	156,940	3	168,825	3		3		3		3		3	
1/4	120,974	1/4	133,075	1/4	145,158	1/4	157,191	1/4	169,010	1/4		1/4		1/4		1/4		1/4	
1/2	121,227	1/2	133,327	1/2	145,408	1/2	157,442	1/2	169,195	1/2		1/2		1/2		1/2		1/2	
3/4	121,479	3/4	133,579	3/4	145,659	3/4	157,692	3/4	169,381	3/4		3/4		3/4		3/4		3/4	
4	121,731	4	133,831	4	145,910	4	157,943	4	169,566	4		4		4		4		4	
1/4	121,983	1/4	134,083	1/4	146,160	1/4	158,194	1/4	169,709	1/4		1/4		1/4		1/4		1/4	
1/2	122,235	1/2	134,336	1/2	146,411	1/2	158,444	1/2	169,853	1/2		1/2		1/2		1/2		1/2	
3/4	122,487	3/4	134,588	3/4	146,662	3/4	158,695	3/4	169,996	3/4		3/4		3/4		3/4		3/4	
5	122,739	5	134,840	5	146,912	5	158,946	5	170,139	5		5		5		5		5	
1/4	122,991	1/4	135,092	1/4	147,163	1/4	159,196	1/4	170,241	1/4		1/4		1/4		1/4		1/4	
1/2	123,243	1/2	135,344	1/2	147,414	1/2	159,447	1/2	170,342	1/2		1/2		1/2		1/2		1/2	
3/4	123,495	3/4	135,596	3/4	147,664	3/4	159,698	3/4	170,443	3/4		3/4		3/4		3/4		3/4	
6	123,748	6	135,848	6	147,915	6	159,949	6	170,545	6		6		6		6		6	
1/4	124,000	1/4	136,100	1/4	148,166	1/4	160,199	1/4	170,604	1/4		1/4		1/4		1/4		1/4	
1/2	124,252	1/2	136,352	1/2	148,417	1/2	160,450	1/2	170,663	1/2		1/2		1/2		1/2		1/2	
3/4	124,504	3/4	136,604	3/4	148,667	3/4	160,701	3/4	170,722	3/4		3/4		3/4		3/4		3/4	
7	124,756	7	136,857	7	148,918	7	160,951	7	170,782	7		7		7		7		7	
1/4	125,008	1/4	137,109	1/4	149,169	1/4	161,202	1/4	170,799	1/4		1/4		1/4		1/4		1/4	
1/2	125,260	1/2	137,361	1/2	149,419	1/2	161,453	1/2	170,816	1/2		1/2		1/2		1/2		1/2	
3/4	125,512	3/4	137,613	3/4	149,670	3/4	161,703	3/4	170,833	3/4		3/4		3/4		3/4		3/4	
8	125,764	8	137,865	8	149,921	8	161,954	8	170,851	8		8		8		8		8	
1/4	126,016	1/4	138,117	1/4	150,171	1/4	162,203	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,268	1/2	138,369	1/2	150,422	1/2	162,451	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,521	3/4	138,621	3/4	150,673	3/4	162,699	3/4		3/4		3/4		3/4		3/4		3/4	
9	126,773	9	138,873	9	150,924	9	162,948	9		9		9		9		9		9	
1/4	127,025	1/4	139,125	1/4	151,174	1/4	163,196	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,277	1/2	139,378	1/2	151,425	1/2	163,444	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,529	3/4	139,630	3/4	151,676	3/4	163,693	3/4		3/4		3/4		3/4		3/4		3/4	
10	127,781	10	139,882	10	151,926	10	163,941	10		10		10		10		10		10	
1/4	128,033	1/4	140,134	1/4	152,177	1/4	164,190	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,285	1/2	140,386	1/2	152,428	1/2	164,438	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,537	3/4	140,638	3/4	152,678	3/4	164,686	3/4		3/4		3/4		3/4		3/4		3/4	
11	128,789	11	140,890	11	152,929	11	164,935	11		11		11		11		11		11	
1/4	129,042	1/4	141,142	1/4	153,180	1/4	165,183	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	129,294	1/2	141,394	1/2	153,430	1/2	165,431	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	129,546	3/4	141,646	3/4	153,681	3/4	165,680	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/20/2017 SW  
CALCULATED: 07/21/2017 CL  
PRINTED: 07/21/2017 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2017

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "CBC 1394"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

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	39	0	8,054	0	18,792	0	29,516	0	40,243	0	50,981	0	61,720	0	72,458	0	83,197	0	93,933
1/4	58	1/4	8,277	1/4	19,016	1/4	29,739	1/4	40,466	1/4	51,205	1/4	61,943	1/4	72,682	1/4	83,420	1/4	94,157
1/2	77	1/2	8,501	1/2	19,239	1/2	29,962	1/2	40,690	1/2	51,429	1/2	62,167	1/2	72,906	1/2	83,644	1/2	94,381
3/4	95	3/4	8,725	3/4	19,463	3/4	30,185	3/4	40,914	3/4	51,652	3/4	62,391	3/4	73,129	3/4	83,868	3/4	94,605
1	114	1	8,949	1	19,687	1	30,408	1	41,138	1	51,876	1	62,615	1	73,353	1	84,092	1	94,828
1/4	170	1/4	9,172	1/4	19,910	1/4	30,631	1/4	41,361	1/4	52,100	1/4	62,838	1/4	73,577	1/4	84,315	1/4	95,052
1/2	226	1/2	9,396	1/2	20,134	1/2	30,854	1/2	41,585	1/2	52,324	1/2	63,062	1/2	73,801	1/2	84,539	1/2	95,276
3/4	282	3/4	9,620	3/4	20,358	3/4	31,077	3/4	41,809	3/4	52,547	3/4	63,286	3/4	74,024	3/4	84,763	3/4	95,499
2	338	2	9,843	2	20,582	2	31,300	2	42,032	2	52,771	2	63,510	2	74,248	2	84,986	2	95,723
1/4	431	1/4	10,067	1/4	20,805	1/4	31,523	1/4	42,256	1/4	52,995	1/4	63,733	1/4	74,472	1/4	85,210	1/4	95,947
1/2	524	1/2	10,291	1/2	21,029	1/2	31,746	1/2	42,480	1/2	53,218	1/2	63,957	1/2	74,695	1/2	85,434	1/2	96,170
3/4	617	3/4	10,515	3/4	21,253	3/4	31,969	3/4	42,704	3/4	53,442	3/4	64,181	3/4	74,919	3/4	85,657	3/4	96,394
3	710	3	10,738	3	21,476	3	32,192	3	42,927	3	53,666	3	64,404	3	75,143	3	85,881	3	96,618
1/4	841	1/4	10,962	1/4	21,700	1/4	32,415	1/4	43,151	1/4	53,890	1/4	64,628	1/4	75,367	1/4	86,105	1/4	96,841
1/2	971	1/2	11,186	1/2	21,924	1/2	32,638	1/2	43,375	1/2	54,113	1/2	64,852	1/2	75,590	1/2	86,328	1/2	97,065
3/4	1,102	3/4	11,409	3/4	22,148	3/4	32,861	3/4	43,599	3/4	54,337	3/4	65,076	3/4	75,814	3/4	86,552	3/4	97,289
4	1,232	4	11,633	4	22,371	4	33,084	4	43,822	4	54,561	4	65,299	4	76,038	4	86,776	4	97,512
1/4	1,400	1/4	11,857	1/4	22,595	1/4	33,307	1/4	44,046	1/4	54,784	1/4	65,523	1/4	76,262	1/4	86,999	1/4	97,736
1/2	1,568	1/2	12,081	1/2	22,819	1/2	33,531	1/2	44,270	1/2	55,008	1/2	65,747	1/2	76,485	1/2	87,223	1/2	97,960
3/4	1,736	3/4	12,304	3/4	23,042	3/4	33,755	3/4	44,493	3/4	55,232	3/4	65,970	3/4	76,709	3/4	87,447	3/4	98,183
5	1,904	5	12,528	5	23,266	5	33,979	5	44,717	5	55,456	5	66,194	5	76,933	5	87,670	5	98,407
1/4	2,108	1/4	12,752	1/4	23,490	1/4	34,202	1/4	44,941	1/4	55,679	1/4	66,418	1/4	77,156	1/4	87,894	1/4	98,631
1/2	2,312	1/2	12,975	1/2	23,713	1/2	34,426	1/2	45,165	1/2	55,903	1/2	66,642	1/2	77,380	1/2	88,118	1/2	98,854
3/4	2,517	3/4	13,199	3/4	23,937	3/4	34,650	3/4	45,388	3/4	56,127	3/4	66,865	3/4	77,604	3/4	88,341	3/4	99,078
6	2,721	6	13,423	6	24,161	6	34,873	6	45,612	6	56,351	6	67,089	6	77,828	6	88,565	6	99,302
1/4	2,941	1/4	13,647	1/4	24,384	1/4	35,097	1/4	45,836	1/4	56,574	1/4	67,313	1/4	78,051	1/4	88,789	1/4	99,526
1/2	3,160	1/2	13,870	1/2	24,608	1/2	35,321	1/2	46,059	1/2	56,798	1/2	67,536	1/2	78,275	1/2	89,013	1/2	99,749
3/4	3,379	3/4	14,094	3/4	24,831	3/4	35,545	3/4	46,283	3/4	57,022	3/4	67,760	3/4	78,499	3/4	89,236	3/4	99,973
7	3,598	7	14,318	7	25,054	7	35,768	7	46,507	7	57,245	7	67,984	7	78,722	7	89,460	7	100,197
1/4	3,820	1/4	14,541	1/4	25,278	1/4	35,992	1/4	46,731	1/4	57,469	1/4	68,208	1/4	78,946	1/4	89,684	1/4	100,420
1/2	4,041	1/2	14,765	1/2	25,501	1/2	36,216	1/2	46,954	1/2	57,693	1/2	68,431	1/2	79,170	1/2	89,907	1/2	100,644
3/4	4,262	3/4	14,989	3/4	25,724	3/4	36,440	3/4	47,178	3/4	57,917	3/4	68,655	3/4	79,394	3/4	90,131	3/4	100,868
8	4,483	8	15,212	8	25,948	8	36,663	8	47,402	8	58,140	8	68,879	8	79,617	8	90,355	8	101,091
1/4	4,706	1/4	15,436	1/4	26,171	1/4	36,887	1/4	47,625	1/4	58,364	1/4	69,102	1/4	79,841	1/4	90,578	1/4	101,315
1/2	4,928	1/2	15,660	1/2	26,394	1/2	37,111	1/2	47,849	1/2	58,588	1/2	69,326	1/2	80,065	1/2	90,802	1/2	101,539
3/4	5,150	3/4	15,884	3/4	26,617	3/4	37,334	3/4	48,073	3/4	58,811	3/4	69,550	3/4	80,288	3/4	91,026	3/4	101,762
9	5,373	9	16,107	9	26,840	9	37,558	9	48,297	9	59,035	9	69,774	9	80,512	9	91,249	9	101,986
1/4	5,596	1/4	16,331	1/4	27,063	1/4	37,782	1/4	48,520	1/4	59,259	1/4	69,997	1/4	80,736	1/4	91,473	1/4	102,210
1/2	5,819	1/2	16,555	1/2	27,286	1/2	38,006	1/2	48,744	1/2	59,483	1/2	70,221	1/2	80,960	1/2	91,697	1/2	102,433
3/4	6,042	3/4	16,778	3/4	27,509	3/4	38,229	3/4	48,968	3/4	59,706	3/4	70,445	3/4	81,183	3/4	91,920	3/4	102,657
10	6,265	10	17,002	10	27,732	10	38,453	10	49,192	10	59,930	10	70,669	10	81,407	10	92,144	10	102,881
1/4	6,488	1/4	17,226	1/4	27,955	1/4	38,677	1/4	49,415	1/4	60,154	1/4	70,892	1/4	81,631	1/4	92,368	1/4	103,104
1/2	6,712	1/2	17,450	1/2	28,178	1/2	38,900	1/2	49,639	1/2	60,377	1/2	71,116	1/2	81,854	1/2	92,591	1/2	103,328
3/4	6,936	3/4	17,673	3/4	28,401	3/4	39,124	3/4	49,863	3/4	60,601	3/4	71,340	3/4	82,078	3/4	92,815	3/4	103,552
11	7,159	11	17,897	11	28,624	11	39,348	11	50,086	11	60,825	11	71,563	11	82,302	11	93,039	11	103,775
1/4	7,383	1/4	18,121	1/4	28,847	1/4	39,572	1/4	50,310	1/4	61,049	1/4	71,787	1/4	82,526	1/4	93,262	1/4	103,999
1/2	7,606	1/2	18,344	1/2	29,070	1/2	39,795	1/2	50,534	1/2	61,272	1/2	72,011	1/2	82,749	1/2	93,486	1/2	104,223
3/4	7,830	3/4	18,568	3/4	29,293	3/4	40,019	3/4	50,758	3/4	61,496	3/4	72,235	3/4	82,973	3/4	93,710	3/4	104,446

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 THREADS ON "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "CBC 1394"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

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	104,670	0	115,407	0	126,144	0	136,821	0	147,466	0		0		0		0		0	
1/4	104,894	1/4	115,631	1/4	126,366	1/4	137,044	1/4	147,687	1/4		1/4		1/4		1/4		1/4	
1/2	105,118	1/2	115,854	1/2	126,588	1/2	137,266	1/2	147,907	1/2		1/2		1/2		1/2		1/2	
3/4	105,341	3/4	116,078	3/4	126,811	3/4	137,489	3/4	148,128	3/4		3/4		3/4		3/4		3/4	
1	105,565	1	116,302	1	127,033	1	137,711	1	148,348	1		1		1		1		1	
1/4	105,789	1/4	116,525	1/4	127,256	1/4	137,934	1/4	148,568	1/4		1/4		1/4		1/4		1/4	
1/2	106,012	1/2	116,749	1/2	127,478	1/2	138,156	1/2	148,789	1/2		1/2		1/2		1/2		1/2	
3/4	106,236	3/4	116,973	3/4	127,701	3/4	138,379	3/4	149,009	3/4		3/4		3/4		3/4		3/4	
2	106,460	2	117,196	2	127,923	2	138,601	2	149,230	2		2		2		2		2	
1/4	106,683	1/4	117,420	1/4	128,146	1/4	138,823	1/4	149,431	1/4		1/4		1/4		1/4		1/4	
1/2	106,907	1/2	117,644	1/2	128,368	1/2	139,046	1/2	149,633	1/2		1/2		1/2		1/2		1/2	
3/4	107,131	3/4	117,867	3/4	128,591	3/4	139,268	3/4	149,835	3/4		3/4		3/4		3/4		3/4	
3	107,354	3	118,091	3	128,813	3	139,491	3	150,037	3		3		3		3		3	
1/4	107,578	1/4	118,315	1/4	129,035	1/4	139,713	1/4	150,201	1/4		1/4		1/4		1/4		1/4	
1/2	107,802	1/2	118,538	1/2	129,258	1/2	139,936	1/2	150,365	1/2		1/2		1/2		1/2		1/2	
3/4	108,025	3/4	118,762	3/4	129,480	3/4	140,158	3/4	150,530	3/4		3/4		3/4		3/4		3/4	
4	108,249	4	118,986	4	129,703	4	140,381	4	150,694	4		4		4		4		4	
1/4	108,473	1/4	119,209	1/4	129,925	1/4	140,603	1/4	150,822	1/4		1/4		1/4		1/4		1/4	
1/2	108,696	1/2	119,433	1/2	130,148	1/2	140,826	1/2	150,949	1/2		1/2		1/2		1/2		1/2	
3/4	108,920	3/4	119,657	3/4	130,370	3/4	141,048	3/4	151,076	3/4		3/4		3/4		3/4		3/4	
5	109,144	5	119,880	5	130,593	5	141,270	5	151,203	5		5		5		5		5	
1/4	109,367	1/4	120,104	1/4	130,815	1/4	141,493	1/4	151,293	1/4		1/4		1/4		1/4		1/4	
1/2	109,591	1/2	120,328	1/2	131,038	1/2	141,715	1/2	151,383	1/2		1/2		1/2		1/2		1/2	
3/4	109,815	3/4	120,552	3/4	131,260	3/4	141,938	3/4	151,473	3/4		3/4		3/4		3/4		3/4	
6	110,039	6	120,775	6	131,482	6	142,160	6	151,563	6		6		6		6		6	
1/4	110,262	1/4	120,999	1/4	131,705	1/4	142,383	1/4	151,615	1/4		1/4		1/4		1/4		1/4	
1/2	110,486	1/2	121,223	1/2	131,927	1/2	142,605	1/2	151,668	1/2		1/2		1/2		1/2		1/2	
3/4	110,710	3/4	121,446	3/4	132,150	3/4	142,828	3/4	151,721	3/4		3/4		3/4		3/4		3/4	
7	110,933	7	121,670	7	132,372	7	143,050	7	151,773	7		7		7		7		7	
1/4	111,157	1/4	121,894	1/4	132,595	1/4	143,273	1/4	151,788	1/4		1/4		1/4		1/4		1/4	
1/2	111,381	1/2	122,117	1/2	132,817	1/2	143,495	1/2	151,804	1/2		1/2		1/2		1/2		1/2	
3/4	111,604	3/4	122,341	3/4	133,040	3/4	143,717	3/4	151,819	3/4		3/4		3/4		3/4		3/4	
8	111,828	8	122,565	8	133,262	8	143,940	8	151,834	8		8		8		8		8	
1/4	112,052	1/4	122,788	1/4	133,485	1/4	144,160	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,275	1/2	123,012	1/2	133,707	1/2	144,381	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,499	3/4	123,236	3/4	133,929	3/4	144,601	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,723	9	123,459	9	134,152	9	144,822	9		9		9		9		9		9	
1/4	112,946	1/4	123,683	1/4	134,374	1/4	145,042	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,170	1/2	123,907	1/2	134,597	1/2	145,262	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,394	3/4	124,130	3/4	134,819	3/4	145,483	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,617	10	124,354	10	135,042	10	145,703	10		10		10		10		10		10	
1/4	113,841	1/4	124,578	1/4	135,264	1/4	145,924	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,065	1/2	124,801	1/2	135,487	1/2	146,144	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,288	3/4	125,025	3/4	135,709	3/4	146,364	3/4		3/4		3/4		3/4		3/4		3/4	
11	114,512	11	125,249	11	135,932	11	146,585	11		11		11		11		11		11	
1/4	114,736	1/4	125,473	1/4	136,154	1/4	146,805	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,960	1/2	125,696	1/2	136,376	1/2	147,026	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,183	3/4	125,920	3/4	136,599	3/4	147,246	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/20/2017 SW  
CALCULATED: 07/21/2017 CL  
PRINTED: 07/21/2017 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2017

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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Pearland, Texas 77588  
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# BARGE "CBC 1394"

## 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	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8
2 CENTER	- 00-1/8	00-1/8	- 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
3 CENTER	- 00-1/4	00-1/4	- 00-4/8	00-4/8	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-3/8	01-3/8	- 01-5/8	01-5/8

(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 1 CENTER IS - 00-1/2"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 1/2"

LENGTH BETWEEN DRAFT MARKS: 161'-09"

July 21, 2017

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

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# BARGE "CBC 1394"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

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		0	140,974	0	131,541	0	122,095	0	112,623	0	102,178	0	91,397	0	80,616
1/4		1/4	1/4	1/4	1/4	1/4	140,779	1/4	131,345	1/4	121,897	1/4	112,426	1/4	101,953	1/4	91,173	1/4	80,392
1/2		1/2	1/2	1/2	1/2	1/2	140,584	1/2	131,149	1/2	121,700	1/2	112,229	1/2	101,728	1/2	90,948	1/2	80,167
3/4		3/4	3/4	3/4	3/4	3/4	140,389	3/4	130,953	3/4	121,502	3/4	112,032	3/4	101,504	3/4	90,723	3/4	79,942
1		1		1	147,507	1	140,194	1	130,757	1	121,305	1	111,834	1	101,279	1	90,499	1	79,718
1/4		1/4	1/4	1/4	147,490	1/4	139,998	1/4	130,561	1/4	121,108	1/4	111,637	1/4	101,055	1/4	90,274	1/4	79,493
1/2		1/2	1/2	1/2	147,474	1/2	139,801	1/2	130,364	1/2	120,910	1/2	111,440	1/2	100,830	1/2	90,050	1/2	79,268
3/4		3/4	3/4	3/4	147,458	3/4	139,604	3/4	130,168	3/4	120,713	3/4	111,243	3/4	100,606	3/4	89,825	3/4	79,044
2		2		2	147,442	2	139,407	2	129,972	2	120,516	2	111,046	2	100,381	2	89,600	2	78,819
1/4		1/4	1/4	1/4	147,389	1/4	139,210	1/4	129,776	1/4	120,318	1/4	110,849	1/4	100,156	1/4	89,376	1/4	78,595
1/2		1/2	1/2	1/2	147,335	1/2	139,013	1/2	129,580	1/2	120,121	1/2	110,651	1/2	99,932	1/2	89,151	1/2	78,370
3/4		3/4	3/4	3/4	147,281	3/4	138,816	3/4	129,384	3/4	119,923	3/4	110,454	3/4	99,707	3/4	88,927	3/4	78,145
3		3		3	147,228	3	138,620	3	129,188	3	119,726	3	110,257	3	99,483	3	88,702	3	77,921
1/4		1/4	1/4	1/4	147,137	1/4	138,423	1/4	128,991	1/4	119,529	1/4	110,033	1/4	99,258	1/4	88,477	1/4	77,696
1/2		1/2	1/2	1/2	147,045	1/2	138,226	1/2	128,794	1/2	119,331	1/2	109,808	1/2	99,033	1/2	88,253	1/2	77,471
3/4		3/4	3/4	3/4	146,954	3/4	138,029	3/4	128,597	3/4	119,134	3/4	109,584	3/4	98,809	3/4	88,028	3/4	77,247
4		4		4	146,863	4	137,832	4	128,400	4	118,937	4	109,360	4	98,584	4	87,804	4	77,022
1/4		1/4	1/4	1/4	146,734	1/4	137,635	1/4	128,203	1/4	118,739	1/4	109,135	1/4	98,360	1/4	87,579	1/4	76,798
1/2		1/2	1/2	1/2	146,606	1/2	137,438	1/2	128,006	1/2	118,542	1/2	108,911	1/2	98,135	1/2	87,354	1/2	76,574
3/4		3/4	3/4	3/4	146,477	3/4	137,242	3/4	127,810	3/4	118,344	3/4	108,687	3/4	97,910	3/4	87,130	3/4	76,351
5		5		5	146,349	5	137,045	5	127,613	5	118,147	5	108,462	5	97,686	5	86,905	5	76,127
1/4		1/4	1/4	1/4	146,182	1/4	136,848	1/4	127,416	1/4	117,950	1/4	108,238	1/4	97,461	1/4	86,681	1/4	75,903
1/2		1/2	1/2	1/2	146,016	1/2	136,651	1/2	127,219	1/2	117,752	1/2	108,014	1/2	97,237	1/2	86,456	1/2	75,680
3/4		3/4	3/4	3/4	145,850	3/4	136,454	3/4	127,022	3/4	117,555	3/4	107,789	3/4	97,012	3/4	86,231	3/4	75,457
6		6		6	145,684	6	136,257	6	126,825	6	117,358	6	107,565	6	96,787	6	86,007	6	75,234
1/4		1/4	1/4	1/4	145,480	1/4	136,061	1/4	126,628	1/4	117,160	1/4	107,341	1/4	96,563	1/4	85,782	1/4	75,011
1/2		1/2	1/2	1/2	145,276	1/2	135,864	1/2	126,432	1/2	116,963	1/2	107,116	1/2	96,338	1/2	85,558	1/2	74,788
3/4		3/4	3/4	3/4	145,073	3/4	135,667	3/4	126,235	3/4	116,765	3/4	106,892	3/4	96,114	3/4	85,333	3/4	74,564
7		7		7	144,869	7	135,470	7	126,038	7	116,568	7	106,668	7	95,889	7	85,108	7	74,341
1/4		1/4	1/4	1/4	144,674	1/4	135,273	1/4	125,841	1/4	116,371	1/4	106,443	1/4	95,664	1/4	84,884	1/4	74,118
1/2		1/2	1/2	1/2	144,480	1/2	135,076	1/2	125,644	1/2	116,173	1/2	106,219	1/2	95,440	1/2	84,659	1/2	73,895
3/4		3/4	3/4	3/4	144,285	3/4	134,879	3/4	125,447	3/4	115,976	3/4	105,995	3/4	95,215	3/4	84,435	3/4	73,672
8		8		8	144,090	8	134,683	8	125,251	8	115,778	8	105,770	8	94,991	8	84,210	8	73,449
1/4		1/4	1/4	1/4	143,895	1/4	134,486	1/4	125,054	1/4	115,581	1/4	105,546	1/4	94,766	1/4	83,985	1/4	73,225
1/2		1/2	1/2	1/2	143,700	1/2	134,289	1/2	124,857	1/2	115,384	1/2	105,322	1/2	94,541	1/2	83,761	1/2	73,002
3/4		3/4	3/4	3/4	143,506	3/4	134,092	3/4	124,660	3/4	115,186	3/4	105,097	3/4	94,317	3/4	83,536	3/4	72,779
9		9		9	143,311	9	133,895	9	124,463	9	114,989	9	104,873	9	94,092	9	83,312	9	72,556
1/4		1/4	1/4	1/4	143,116	1/4	133,699	1/4	124,266	1/4	114,792	1/4	104,648	1/4	93,868	1/4	83,087	1/4	72,333
1/2		1/2	1/2	1/2	142,921	1/2	133,503	1/2	124,068	1/2	114,595	1/2	104,424	1/2	93,643	1/2	82,862	1/2	72,109
3/4		3/4	3/4	3/4	142,727	3/4	133,307	3/4	123,871	3/4	114,398	3/4	104,199	3/4	93,418	3/4	82,638	3/4	71,886
10		10		10	142,532	10	133,111	10	123,674	10	114,200	10	103,974	10	93,194	10	82,413	10	71,663
1/4		1/4	1/4	1/4	142,337	1/4	132,914	1/4	123,476	1/4	114,003	1/4	103,750	1/4	92,969	1/4	82,189	1/4	71,440
1/2		1/2	1/2	1/2	142,142	1/2	132,718	1/2	123,279	1/2	113,806	1/2	103,525	1/2	92,745	1/2	81,964	1/2	71,217
3/4		3/4	3/4	3/4	141,947	3/4	132,522	3/4	123,081	3/4	113,609	3/4	103,301	3/4	92,520	3/4	81,739	3/4	70,994
11		11		11	141,753	11	132,326	11	122,884	11	113,412	11	103,076	11	92,296	11	81,515	11	70,770
1/4		1/4	1/4	1/4	141,558	1/4	132,130	1/4	122,687	1/4	113,215	1/4	102,851	1/4	92,071	1/4	81,290	1/4	70,547
1/2		1/2	1/2	1/2	141,363	1/2	131,934	1/2	122,489	1/2	113,017	1/2	102,627	1/2	91,846	1/2	81,065	1/2	70,324
3/4		3/4	3/4	3/4	141,168	3/4	131,737	3/4	122,292	3/4	112,820	3/4	102,402	3/4	91,622	3/4	80,841	3/4	70,101

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 THREADS ON "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 29'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "CBC 1394"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

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	69,878	0	59,108	0	48,330	0	37,553	0	26,939	0	16,207	0	5,406	0		0			
1/4	69,654	1/4	58,883	1/4	48,106	1/4	37,329	1/4	26,720	1/4	15,982	1/4	5,182	1/4		0			
1/2	69,430	1/2	58,659	1/2	47,881	1/2	37,104	1/2	26,501	1/2	15,757	1/2	4,958	1/2		0			
3/4	69,206	3/4	58,434	3/4	47,657	3/4	36,880	3/4	26,283	3/4	15,532	3/4	4,734	3/4		0			
1	68,982	1	58,209	1	47,432	1	36,655	1	26,064	1	15,307	1	4,511	1		1			
1/4	68,758	1/4	57,985	1/4	47,208	1/4	36,430	1/4	25,845	1/4	15,082	1/4	4,288	1/4		1			
1/2	68,534	1/2	57,760	1/2	46,983	1/2	36,206	1/2	25,626	1/2	14,857	1/2	4,066	1/2		1			
3/4	68,310	3/4	57,536	3/4	46,759	3/4	35,981	3/4	25,407	3/4	14,632	3/4	3,843	3/4		1			
2	68,086	2	57,311	2	46,534	2	35,757	2	25,188	2	14,407	2	3,620	2		2			
1/4	67,862	1/4	57,087	1/4	46,310	1/4	35,532	1/4	24,969	1/4	14,181	1/4	3,400	1/4		2			
1/2	67,638	1/2	56,862	1/2	46,085	1/2	35,308	1/2	24,750	1/2	13,956	1/2	3,179	1/2		2			
3/4	67,414	3/4	56,638	3/4	45,861	3/4	35,083	3/4	24,530	3/4	13,731	3/4	2,958	3/4		2			
3	67,190	3	56,413	3	45,636	3	34,859	3	24,311	3	13,506	3	2,738	3		3			
1/4	66,966	1/4	56,189	1/4	45,412	1/4	34,634	1/4	24,086	1/4	13,281	1/4	2,532	1/4		3			
1/2	66,741	1/2	55,964	1/2	45,187	1/2	34,410	1/2	23,861	1/2	13,056	1/2	2,326	1/2		3			
3/4	66,517	3/4	55,740	3/4	44,962	3/4	34,185	3/4	23,636	3/4	12,831	3/4	2,121	3/4		3			
4	66,292	4	55,515	4	44,738	4	33,961	4	23,411	4	12,606	4	1,915	4		4			
1/4	66,068	1/4	55,291	1/4	44,513	1/4	33,736	1/4	23,186	1/4	12,381	1/4	1,746	1/4		4			
1/2	65,843	1/2	55,066	1/2	44,289	1/2	33,512	1/2	22,961	1/2	12,155	1/2	1,577	1/2		4			
3/4	65,619	3/4	54,842	3/4	44,064	3/4	33,287	3/4	22,736	3/4	11,930	3/4	1,409	3/4		4			
5	65,394	5	54,617	5	43,840	5	33,063	5	22,510	5	11,705	5	1,240	5		5			
1/4	65,170	1/4	54,393	1/4	43,615	1/4	32,844	1/4	22,285	1/4	11,480	1/4	1,109	1/4		5			
1/2	64,945	1/2	54,168	1/2	43,391	1/2	32,625	1/2	22,060	1/2	11,255	1/2	977	1/2		5			
3/4	64,721	3/4	53,943	3/4	43,166	3/4	32,406	3/4	21,835	3/4	11,030	3/4	846	3/4		5			
6	64,496	6	53,719	6	42,942	6	32,188	6	21,610	6	10,805	6	715	6		6			
1/4	64,272	1/4	53,494	1/4	42,717	1/4	31,969	1/4	21,385	1/4	10,580	1/4	621	1/4		6			
1/2	64,047	1/2	53,270	1/2	42,493	1/2	31,750	1/2	21,160	1/2	10,355	1/2	527	1/2		6			
3/4	63,823	3/4	53,045	3/4	42,268	3/4	31,532	3/4	20,935	3/4	10,130	3/4	433	3/4		6			
7	63,598	7	52,821	7	42,044	7	31,313	7	20,710	7	9,904	7	340	7		7			
1/4	63,374	1/4	52,596	1/4	41,819	1/4	31,094	1/4	20,484	1/4	9,679	1/4	283	1/4		7			
1/2	63,149	1/2	52,372	1/2	41,595	1/2	30,876	1/2	20,259	1/2	9,454	1/2	227	1/2		7			
3/4	62,924	3/4	52,147	3/4	41,370	3/4	30,657	3/4	20,034	3/4	9,229	3/4	171	3/4		7			
8	62,700	8	51,923	8	41,146	8	30,438	8	19,809	8	9,004	8	114	8		8			
1/4	62,475	1/4	51,698	1/4	40,921	1/4	30,219	1/4	19,584	1/4	8,779	1/4	96	1/4		8			
1/2	62,251	1/2	51,474	1/2	40,696	1/2	30,001	1/2	19,359	1/2	8,554	1/2	77	1/2		8			
3/4	62,026	3/4	51,249	3/4	40,472	3/4	29,782	3/4	19,134	3/4	8,329	3/4	58	3/4		8			
9	61,802	9	51,025	9	40,247	9	29,563	9	18,909	9	8,104	9	39	9		9			
1/4	61,577	1/4	50,800	1/4	40,023	1/4	29,345	1/4	18,684	1/4	7,878	1/4		1/4		9			
1/2	61,353	1/2	50,576	1/2	39,798	1/2	29,126	1/2	18,459	1/2	7,653	1/2		1/2		9			
3/4	61,128	3/4	50,351	3/4	39,574	3/4	28,907	3/4	18,233	3/4	7,428	3/4		3/4		9			
10	60,904	10	50,127	10	39,349	10	28,689	10	18,008	10	7,203	10		10		10			
1/4	60,679	1/4	49,902	1/4	39,125	1/4	28,470	1/4	17,783	1/4	6,978	1/4		1/4		10			
1/2	60,455	1/2	49,677	1/2	38,900	1/2	28,251	1/2	17,558	1/2	6,753	1/2		1/2		10			
3/4	60,230	3/4	49,453	3/4	38,676	3/4	28,032	3/4	17,333	3/4	6,528	3/4		3/4		10			
11	60,006	11	49,228	11	38,451	11	27,814	11	17,108	11	6,304	11		11		11			
1/4	59,781	1/4	49,004	1/4	38,227	1/4	27,595	1/4	16,883	1/4	6,079	1/4		1/4		11			
1/2	59,557	1/2	48,779	1/2	38,002	1/2	27,376	1/2	16,658	1/2	5,855	1/2		1/2		11			
3/4	59,332	3/4	48,555	3/4	37,778	3/4	27,158	3/4	16,433	3/4	5,630	3/4		3/4		11			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/20/2017 SW  
CALCULATED: 07/21/2017 CL  
PRINTED: 07/21/2017 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2017

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "CBC 1394"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

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		0	162,948	0	150,924	0	138,873	0	126,773	0	114,672	0	102,571	0	90,470
1/4		1/4		1/4		1/4	162,699	1/4	150,673	1/4	138,621	1/4	126,521	1/4	114,420	1/4	102,319	1/4	90,218
1/2		1/2		1/2		1/2	162,451	1/2	150,422	1/2	138,369	1/2	126,268	1/2	114,168	1/2	102,067	1/2	89,966
3/4		3/4		3/4		3/4	162,203	3/4	150,171	3/4	138,117	3/4	126,016	3/4	113,916	3/4	101,815	3/4	89,714
1		1		1		1	170,851	1	161,954	1	149,921	1	137,865	1	125,764	1	113,664	1	101,563
1/4		1/4		1/4		1/4	170,833	1/4	161,703	1/4	149,921	1/4	137,613	1/4	125,512	1/4	113,412	1/4	101,311
1/2		1/2		1/2		1/2	170,816	1/2	161,453	1/2	149,419	1/2	137,361	1/2	125,260	1/2	113,159	1/2	101,059
3/4		3/4		3/4		3/4	170,799	3/4	161,202	3/4	149,169	3/4	137,109	3/4	125,008	3/4	112,907	3/4	100,807
2		2		2		2	170,782	2	160,951	2	148,918	2	136,857	2	124,756	2	112,655	2	100,555
1/4		1/4		1/4		1/4	170,722	1/4	160,701	1/4	148,667	1/4	136,604	1/4	124,504	1/4	112,403	1/4	100,303
1/2		1/2		1/2		1/2	170,663	1/2	160,450	1/2	148,417	1/2	136,352	1/2	124,252	1/2	112,151	1/2	100,050
3/4		3/4		3/4		3/4	170,604	3/4	160,199	3/4	148,166	3/4	136,100	3/4	124,000	3/4	111,899	3/4	99,798
3		3		3		3	170,545	3	159,949	3	147,915	3	135,848	3	123,748	3	111,647	3	99,546
1/4		1/4		1/4		1/4	170,443	1/4	159,698	1/4	147,664	1/4	135,596	1/4	123,495	1/4	111,395	1/4	99,294
1/2		1/2		1/2		1/2	170,342	1/2	159,447	1/2	147,414	1/2	135,344	1/2	123,243	1/2	111,143	1/2	99,042
3/4		3/4		3/4		3/4	170,241	3/4	159,196	3/4	147,163	3/4	135,092	3/4	122,991	3/4	110,891	3/4	98,790
4		4		4		4	170,139	4	158,946	4	146,912	4	134,840	4	122,739	4	110,638	4	98,538
1/4		1/4		1/4		1/4	169,996	1/4	158,695	1/4	146,662	1/4	134,588	1/4	122,487	1/4	110,386	1/4	98,286
1/2		1/2		1/2		1/2	169,853	1/2	158,444	1/2	146,411	1/2	134,336	1/2	122,235	1/2	110,134	1/2	98,034
3/4		3/4		3/4		3/4	169,709	3/4	158,194	3/4	146,160	3/4	134,083	3/4	121,983	3/4	109,882	3/4	97,782
5		5		5		5	169,566	5	157,943	5	145,910	5	133,831	5	121,731	5	109,630	5	97,529
1/4		1/4		1/4		1/4	169,381	1/4	157,692	1/4	145,659	1/4	133,579	1/4	121,479	1/4	109,378	1/4	97,277
1/2		1/2		1/2		1/2	169,195	1/2	157,442	1/2	145,408	1/2	133,327	1/2	121,227	1/2	109,126	1/2	97,025
3/4		3/4		3/4		3/4	169,010	3/4	157,191	3/4	145,158	3/4	133,075	3/4	120,974	3/4	108,874	3/4	96,773
6		6		6		6	168,825	6	156,940	6	144,907	6	132,823	6	120,722	6	108,622	6	96,521
1/4		1/4		1/4		1/4	168,597	1/4	156,690	1/4	144,656	1/4	132,571	1/4	120,470	1/4	108,370	1/4	96,269
1/2		1/2		1/2		1/2	168,370	1/2	156,439	1/2	144,405	1/2	132,319	1/2	120,218	1/2	108,118	1/2	96,017
3/4		3/4		3/4		3/4	168,143	3/4	156,188	3/4	144,155	3/4	132,067	3/4	119,966	3/4	107,865	3/4	95,765
7		7		7		7	167,915	7	155,937	7	143,904	7	131,815	7	119,714	7	107,613	7	95,513
1/4		1/4		1/4		1/4	167,667	1/4	155,687	1/4	143,653	1/4	131,563	1/4	119,462	1/4	107,361	1/4	95,261
1/2		1/2		1/2		1/2	167,418	1/2	155,436	1/2	143,403	1/2	131,310	1/2	119,210	1/2	107,109	1/2	95,008
3/4		3/4		3/4		3/4	167,170	3/4	155,185	3/4	143,152	3/4	131,058	3/4	118,958	3/4	106,857	3/4	94,756
8		8		8		8	166,922	8	154,935	8	142,901	8	130,806	8	118,706	8	106,605	8	94,504
1/4		1/4		1/4		1/4	166,673	1/4	154,684	1/4	142,651	1/4	130,554	1/4	118,453	1/4	106,353	1/4	94,252
1/2		1/2		1/2		1/2	166,425	1/2	154,433	1/2	142,400	1/2	130,302	1/2	118,201	1/2	106,101	1/2	94,000
3/4		3/4		3/4		3/4	166,177	3/4	154,183	3/4	142,149	3/4	130,050	3/4	117,949	3/4	105,849	3/4	93,748
9		9		9		9	165,928	9	153,932	9	141,898	9	129,798	9	117,697	9	105,597	9	93,496
1/4		1/4		1/4		1/4	165,680	1/4	153,681	1/4	141,646	1/4	129,546	1/4	117,445	1/4	105,344	1/4	93,244
1/2		1/2		1/2		1/2	165,431	1/2	153,430	1/2	141,394	1/2	129,294	1/2	117,193	1/2	105,092	1/2	92,992
3/4		3/4		3/4		3/4	165,183	3/4	153,180	3/4	141,142	3/4	129,042	3/4	116,941	3/4	104,840	3/4	92,739
10		10		10		10	164,935	10	152,929	10	140,890	10	128,789	10	116,689	10	104,588	10	92,487
1/4		1/4		1/4		1/4	164,686	1/4	152,678	1/4	140,638	1/4	128,537	1/4	116,437	1/4	104,336	1/4	92,235
1/2		1/2		1/2		1/2	164,438	1/2	152,428	1/2	140,386	1/2	128,285	1/2	116,185	1/2	104,084	1/2	91,983
3/4		3/4		3/4		3/4	164,190	3/4	152,177	3/4	140,134	3/4	128,033	3/4	115,933	3/4	103,832	3/4	91,731
11		11		11		11	163,941	11	151,926	11	139,882	11	127,781	11	115,680	11	103,580	11	91,479
1/4		1/4		1/4		1/4	163,693	1/4	151,676	1/4	139,630	1/4	127,529	1/4	115,428	1/4	103,328	1/4	91,227
1/2		1/2		1/2		1/2	163,444	1/2	151,425	1/2	139,378	1/2	127,277	1/2	115,176	1/2	103,076	1/2	90,975
3/4		3/4		3/4		3/4	163,196	3/4	151,174	3/4	139,125	3/4	127,025	3/4	114,924	3/4	102,823	3/4	90,722

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 THREADS ON "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 29'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "CBC 1394"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

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	78,368	0	66,265	0	54,162	0	42,059	0	30,193	0	18,149	0	6,050	0		0			0
1/4	78,115	1/4	66,013	1/4	53,910	1/4	41,807	1/4	29,948	1/4	17,897	1/4	5,800	1/4		1/4			1/4
1/2	77,863	1/2	65,760	1/2	53,658	1/2	41,555	1/2	29,704	1/2	17,644	1/2	5,549	1/2		1/2			1/2
3/4	77,611	3/4	65,508	3/4	53,406	3/4	41,303	3/4	29,459	3/4	17,392	3/4	5,298	3/4		3/4			3/4
1	77,359	1	65,256	1	53,153	1	41,051	1	29,214	1	17,140	1	5,048	1		1			1
1/4	77,107	1/4	65,004	1/4	52,901	1/4	40,799	1/4	28,969	1/4	16,888	1/4	4,799	1/4		1/4			1/4
1/2	76,855	1/2	64,752	1/2	52,649	1/2	40,546	1/2	28,724	1/2	16,636	1/2	4,549	1/2		1/2			1/2
3/4	76,603	3/4	64,500	3/4	52,397	3/4	40,294	3/4	28,479	3/4	16,384	3/4	4,300	3/4		3/4			3/4
2	76,350	2	64,248	2	52,145	2	40,042	2	28,234	2	16,132	2	4,051	2		2			2
1/4	76,098	1/4	63,996	1/4	51,893	1/4	39,790	1/4	27,982	1/4	15,880	1/4	3,804	1/4		1/4			1/4
1/2	75,846	1/2	63,743	1/2	51,641	1/2	39,538	1/2	27,730	1/2	15,627	1/2	3,556	1/2		1/2			1/2
3/4	75,594	3/4	63,491	3/4	51,388	3/4	39,286	3/4	27,478	3/4	15,375	3/4	3,309	3/4		3/4			3/4
3	75,342	3	63,239	3	51,136	3	39,034	3	27,225	3	15,123	3	3,062	3		3			3
1/4	75,090	1/4	62,987	1/4	50,884	1/4	38,781	1/4	26,973	1/4	14,871	1/4	2,832	1/4		1/4			1/4
1/2	74,838	1/2	62,735	1/2	50,632	1/2	38,529	1/2	26,721	1/2	14,619	1/2	2,601	1/2		1/2			1/2
3/4	74,585	3/4	62,483	3/4	50,380	3/4	38,277	3/4	26,469	3/4	14,367	3/4	2,371	3/4		3/4			3/4
4	74,333	4	62,231	4	50,128	4	38,025	4	26,217	4	14,115	4	2,140	4		4			4
1/4	74,081	1/4	61,978	1/4	49,876	1/4	37,780	1/4	25,965	1/4	13,862	1/4	1,951	1/4		1/4			1/4
1/2	73,829	1/2	61,726	1/2	49,624	1/2	37,535	1/2	25,713	1/2	13,610	1/2	1,762	1/2		1/2			1/2
3/4	73,577	3/4	61,474	3/4	49,371	3/4	37,290	3/4	25,461	3/4	13,358	3/4	1,573	3/4		3/4			3/4
5	73,325	5	61,222	5	49,119	5	37,045	5	25,208	5	13,106	5	1,384	5		5			5
1/4	73,073	1/4	60,970	1/4	48,867	1/4	36,800	1/4	24,956	1/4	12,854	1/4	1,237	1/4		1/4			1/4
1/2	72,820	1/2	60,718	1/2	48,615	1/2	36,555	1/2	24,704	1/2	12,602	1/2	1,090	1/2		1/2			1/2
3/4	72,568	3/4	60,466	3/4	48,363	3/4	36,311	3/4	24,452	3/4	12,350	3/4	943	3/4		3/4			3/4
6	72,316	6	60,213	6	48,111	6	36,066	6	24,200	6	12,098	6	796	6		6			6
1/4	72,064	1/4	59,961	1/4	47,859	1/4	35,821	1/4	23,948	1/4	11,845	1/4	691	1/4		1/4			1/4
1/2	71,812	1/2	59,709	1/2	47,606	1/2	35,577	1/2	23,696	1/2	11,593	1/2	586	1/2		1/2			1/2
3/4	71,560	3/4	59,457	3/4	47,354	3/4	35,332	3/4	23,443	3/4	11,341	3/4	481	3/4		3/4			3/4
7	71,308	7	59,205	7	47,102	7	35,087	7	23,191	7	11,089	7	376	7		7			7
1/4	71,055	1/4	58,953	1/4	46,850	1/4	34,842	1/4	22,939	1/4	10,837	1/4	312	1/4		1/4			1/4
1/2	70,803	1/2	58,701	1/2	46,598	1/2	34,598	1/2	22,687	1/2	10,585	1/2	249	1/2		1/2			1/2
3/4	70,551	3/4	58,448	3/4	46,346	3/4	34,353	3/4	22,435	3/4	10,333	3/4	186	3/4		3/4			3/4
8	70,299	8	58,196	8	46,094	8	34,108	8	22,183	8	10,081	8	123	8		8			8
1/4	70,047	1/4	57,944	1/4	45,841	1/4	33,864	1/4	21,931	1/4	9,828	1/4	102	1/4		1/4			1/4
1/2	69,795	1/2	57,692	1/2	45,589	1/2	33,619	1/2	21,679	1/2	9,576	1/2	81	1/2		1/2			1/2
3/4	69,543	3/4	57,440	3/4	45,337	3/4	33,374	3/4	21,426	3/4	9,324	3/4	60	3/4		3/4			3/4
9	69,290	9	57,188	9	45,085	9	33,129	9	21,174	9	9,072	9	39	9		9			9
1/4	69,038	1/4	56,936	1/4	44,833	1/4	32,885	1/4	20,922	1/4	8,820	1/4		1/4		1/4			1/4
1/2	68,786	1/2	56,683	1/2	44,581	1/2	32,640	1/2	20,670	1/2	8,568	1/2		1/2		1/2			1/2
3/4	68,534	3/4	56,431	3/4	44,329	3/4	32,395	3/4	20,418	3/4	8,316	3/4		3/4		3/4			3/4
10	68,282	10	56,179	10	44,076	10	32,151	10	20,166	10	8,064	10		10		10			10
1/4	68,030	1/4	55,927	1/4	43,824	1/4	31,906	1/4	19,914	1/4	7,812	1/4		1/4		1/4			1/4
1/2	67,778	1/2	55,675	1/2	43,572	1/2	31,661	1/2	19,661	1/2	7,560	1/2		1/2		1/2			1/2
3/4	67,525	3/4	55,423	3/4	43,320	3/4	31,417	3/4	19,409	3/4	7,308	3/4		3/4		3/4			3/4
11	67,273	11	55,171	11	43,068	11	31,172	11	19,157	11	7,056	11		11		11			11
1/4	67,021	1/4	54,918	1/4	42,816	1/4	30,927	1/4	18,905	1/4	6,805	1/4		1/4		1/4			1/4
1/2	66,769	1/2	54,666	1/2	42,564	1/2	30,682	1/2	18,653	1/2	6,553	1/2		1/2		1/2			1/2
3/4	66,517	3/4	54,414	3/4	42,311	3/4	30,438	3/4	18,401	3/4	6,302	3/4		3/4		3/4			3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/20/2017 SW  
CALCULATED: 07/21/2017 CL  
PRINTED: 07/21/2017 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2017

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



# BARGE "CBC 1394"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

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	0	0	144,822	0	134,152	0	123,459	0	112,723	0	101,986	0	91,249	0	80,512	0	80,512	
1/4	1/4	1/4	1/4	1/4	144,601	1/4	133,929	1/4	123,236	1/4	112,499	1/4	101,762	1/4	91,026	1/4	80,288	1/4	80,288	
1/2	1/2	1/2	1/2	1/2	144,381	1/2	133,707	1/2	123,012	1/2	112,275	1/2	101,539	1/2	90,802	1/2	80,065	1/2	80,065	
3/4	3/4	3/4	3/4	3/4	144,160	3/4	133,485	3/4	122,788	3/4	112,052	3/4	101,315	3/4	90,578	3/4	80,784	3/4	79,841	
1	1	1	1	151,834	1	143,940	1	133,262	1	122,565	1	111,828	1	101,091	1	90,355	1	79,617	1	79,617
1/4	1/4	1/4	1/4	151,819	1/4	143,717	1/4	133,040	1/4	122,341	1/4	111,604	1/4	100,868	1/4	90,131	1/4	79,394	1/4	79,394
1/2	1/2	1/2	1/2	151,804	1/2	143,495	1/2	132,817	1/2	122,117	1/2	111,381	1/2	100,644	1/2	89,907	1/2	79,170	1/2	79,170
3/4	3/4	3/4	3/4	151,788	3/4	143,273	3/4	132,595	3/4	121,894	3/4	111,157	3/4	100,420	3/4	89,684	3/4	78,946	3/4	78,946
2	2	2	2	151,773	2	143,050	2	132,372	2	121,670	2	110,933	2	100,197	2	89,460	2	78,722	2	78,722
1/4	1/4	1/4	1/4	151,721	1/4	142,828	1/4	132,150	1/4	121,446	1/4	110,710	1/4	99,973	1/4	89,236	1/4	78,499	1/4	78,499
1/2	1/2	1/2	1/2	151,668	1/2	142,605	1/2	131,927	1/2	121,223	1/2	110,486	1/2	99,749	1/2	89,013	1/2	78,275	1/2	78,275
3/4	3/4	3/4	3/4	151,615	3/4	142,383	3/4	131,705	3/4	120,999	3/4	110,262	3/4	99,526	3/4	88,789	3/4	78,051	3/4	78,051
3	3	3	3	151,563	3	142,160	3	131,482	3	120,775	3	110,039	3	99,302	3	88,565	3	77,828	3	77,828
1/4	1/4	1/4	1/4	151,473	1/4	141,938	1/4	131,260	1/4	120,552	1/4	109,815	1/4	99,078	1/4	88,341	1/4	77,604	1/4	77,604
1/2	1/2	1/2	1/2	151,383	1/2	141,715	1/2	131,038	1/2	120,328	1/2	109,591	1/2	98,854	1/2	88,118	1/2	77,380	1/2	77,380
3/4	3/4	3/4	3/4	151,293	3/4	141,493	3/4	130,815	3/4	120,104	3/4	109,367	3/4	98,631	3/4	87,894	3/4	77,156	3/4	77,156
4	4	4	4	151,203	4	141,270	4	130,593	4	119,880	4	109,144	4	98,407	4	87,670	4	76,933	4	76,933
1/4	1/4	1/4	1/4	151,076	1/4	141,048	1/4	130,370	1/4	119,657	1/4	108,920	1/4	98,183	1/4	87,447	1/4	76,709	1/4	76,709
1/2	1/2	1/2	1/2	150,949	1/2	140,826	1/2	130,148	1/2	119,433	1/2	108,696	1/2	97,960	1/2	87,223	1/2	76,485	1/2	76,485
3/4	3/4	3/4	3/4	150,822	3/4	140,603	3/4	129,925	3/4	119,209	3/4	108,473	3/4	97,736	3/4	86,999	3/4	76,262	3/4	76,262
5	5	5	5	150,694	5	140,381	5	129,703	5	118,986	5	108,249	5	97,512	5	86,776	5	76,038	5	76,038
1/4	1/4	1/4	1/4	150,530	1/4	140,158	1/4	129,480	1/4	118,762	1/4	108,025	1/4	97,289	1/4	86,552	1/4	75,814	1/4	75,814
1/2	1/2	1/2	1/2	150,365	1/2	139,936	1/2	129,258	1/2	118,538	1/2	107,802	1/2	97,065	1/2	86,328	1/2	75,590	1/2	75,590
3/4	3/4	3/4	3/4	150,201	3/4	139,713	3/4	129,035	3/4	118,315	3/4	107,578	3/4	96,841	3/4	86,105	3/4	75,367	3/4	75,367
6	6	6	6	150,037	6	139,491	6	128,813	6	118,091	6	107,354	6	96,618	6	85,881	6	75,143	6	75,143
1/4	1/4	1/4	1/4	149,835	1/4	139,268	1/4	128,591	1/4	117,867	1/4	107,131	1/4	96,394	1/4	85,657	1/4	74,919	1/4	74,919
1/2	1/2	1/2	1/2	149,633	1/2	139,046	1/2	128,368	1/2	117,644	1/2	106,907	1/2	96,170	1/2	85,434	1/2	74,695	1/2	74,695
3/4	3/4	3/4	3/4	149,431	3/4	138,823	3/4	128,146	3/4	117,420	3/4	106,683	3/4	95,947	3/4	85,210	3/4	74,472	3/4	74,472
7	7	7	7	149,230	7	138,601	7	127,923	7	117,196	7	106,460	7	95,723	7	84,986	7	74,248	7	74,248
1/4	1/4	1/4	1/4	149,009	1/4	138,379	1/4	127,701	1/4	116,973	1/4	106,236	1/4	95,499	1/4	84,763	1/4	74,024	1/4	74,024
1/2	1/2	1/2	1/2	148,789	1/2	138,156	1/2	127,478	1/2	116,749	1/2	106,012	1/2	95,276	1/2	84,539	1/2	73,801	1/2	73,801
3/4	3/4	3/4	3/4	148,568	3/4	137,934	3/4	127,256	3/4	116,525	3/4	105,789	3/4	95,052	3/4	84,315	3/4	73,577	3/4	73,577
8	8	8	8	148,348	8	137,711	8	127,033	8	116,302	8	105,565	8	94,828	8	84,092	8	73,353	8	73,353
1/4	1/4	1/4	1/4	148,128	1/4	137,489	1/4	126,811	1/4	116,078	1/4	105,341	1/4	94,605	1/4	83,868	1/4	73,129	1/4	73,129
1/2	1/2	1/2	1/2	147,907	1/2	137,266	1/2	126,588	1/2	115,854	1/2	105,118	1/2	94,381	1/2	83,644	1/2	72,906	1/2	72,906
3/4	3/4	3/4	3/4	147,687	3/4	137,044	3/4	126,366	3/4	115,631	3/4	104,894	3/4	94,157	3/4	83,420	3/4	72,682	3/4	72,682
9	9	9	9	147,466	9	136,821	9	126,144	9	115,407	9	104,670	9	93,933	9	83,197	9	72,458	9	72,458
1/4	1/4	1/4	1/4	147,246	1/4	136,599	1/4	125,920	1/4	115,183	1/4	104,446	1/4	93,710	1/4	82,973	1/4	72,235	1/4	72,235
1/2	1/2	1/2	1/2	147,026	1/2	136,376	1/2	125,696	1/2	114,960	1/2	104,223	1/2	93,486	1/2	82,749	1/2	72,011	1/2	72,011
3/4	3/4	3/4	3/4	146,805	3/4	136,154	3/4	125,473	3/4	114,736	3/4	103,999	3/4	93,262	3/4	82,526	3/4	71,787	3/4	71,787
10	10	10	10	146,585	10	135,932	10	125,249	10	114,512	10	103,775	10	93,039	10	82,302	10	71,563	10	71,563
1/4	1/4	1/4	1/4	146,364	1/4	135,709	1/4	125,025	1/4	114,288	1/4	103,552	1/4	92,815	1/4	82,078	1/4	71,340	1/4	71,340
1/2	1/2	1/2	1/2	146,144	1/2	135,487	1/2	124,801	1/2	114,065	1/2	103,328	1/2	92,591	1/2	81,854	1/2	71,116	1/2	71,116
3/4	3/4	3/4	3/4	145,924	3/4	135,264	3/4	124,578	3/4	113,841	3/4	103,104	3/4	92,368	3/4	81,631	3/4	70,892	3/4	70,892
11	11	11	11	145,703	11	135,042	11	124,354	11	113,617	11	102,881	11	92,144	11	81,407	11	70,669	11	70,669
1/4	1/4	1/4	1/4	145,483	1/4	134,819	1/4	124,130	1/4	113,394	1/4	102,657	1/4	91,920	1/4	81,183	1/4	70,445	1/4	70,445
1/2	1/2	1/2	1/2	145,262	1/2	134,597	1/2	123,907	1/2	113,170	1/2	102,433	1/2	91,697	1/2	80,960	1/2	70,221	1/2	70,221
3/4	3/4	3/4	3/4	145,042	3/4	134,374	3/4	123,683	3/4	112,946	3/4	102,210	3/4	91,473	3/4	80,736	3/4	69,997	3/4	69,997

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 THREADS ON "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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 Pearland, Texas 77588  
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# BARGE "CBC 1394"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

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	69,774	0	59,035	0	48,297	0	37,558	0	26,840	0	16,107	0	5,373	0		0			
1/4	69,550	1/4	58,811	1/4	48,073	1/4	37,334	1/4	26,617	1/4	15,884	1/4	5,150	1/4		1/4			1/4
1/2	69,326	1/2	58,588	1/2	47,849	1/2	37,111	1/2	26,394	1/2	15,660	1/2	4,928	1/2		1/2			1/2
3/4	69,102	3/4	58,364	3/4	47,625	3/4	36,887	3/4	26,171	3/4	15,436	3/4	4,706	3/4		3/4			3/4
1	68,879	1	58,140	1	47,402	1	36,663	1	25,948	1	15,212	1	4,483	1		1			1
1/4	68,655	1/4	57,917	1/4	47,178	1/4	36,440	1/4	25,724	1/4	14,989	1/4	4,262	1/4		1/4			1/4
1/2	68,431	1/2	57,693	1/2	46,954	1/2	36,216	1/2	25,501	1/2	14,765	1/2	4,041	1/2		1/2			1/2
3/4	68,208	3/4	57,469	3/4	46,731	3/4	35,992	3/4	25,278	3/4	14,541	3/4	3,820	3/4		3/4			3/4
2	67,984	2	57,245	2	46,507	2	35,768	2	25,054	2	14,318	2	3,598	2		2			2
1/4	67,760	1/4	57,022	1/4	46,283	1/4	35,545	1/4	24,831	1/4	14,094	1/4	3,379	1/4		1/4			1/4
1/2	67,536	1/2	56,798	1/2	46,059	1/2	35,321	1/2	24,608	1/2	13,870	1/2	3,160	1/2		1/2			1/2
3/4	67,313	3/4	56,574	3/4	45,836	3/4	35,097	3/4	24,384	3/4	13,647	3/4	2,941	3/4		3/4			3/4
3	67,089	3	56,351	3	45,612	3	34,873	3	24,161	3	13,423	3	2,721	3		3			3
1/4	66,865	1/4	56,127	1/4	45,388	1/4	34,650	1/4	23,937	1/4	13,199	1/4	2,517	1/4		1/4			1/4
1/2	66,642	1/2	55,903	1/2	45,165	1/2	34,426	1/2	23,713	1/2	12,975	1/2	2,312	1/2		1/2			1/2
3/4	66,418	3/4	55,679	3/4	44,941	3/4	34,202	3/4	23,490	3/4	12,752	3/4	2,108	3/4		3/4			3/4
4	66,194	4	55,456	4	44,717	4	33,979	4	23,266	4	12,528	4	1,904	4		4			4
1/4	65,970	1/4	55,232	1/4	44,493	1/4	33,755	1/4	23,042	1/4	12,304	1/4	1,736	1/4		1/4			1/4
1/2	65,747	1/2	55,008	1/2	44,270	1/2	33,531	1/2	22,819	1/2	12,081	1/2	1,568	1/2		1/2			1/2
3/4	65,523	3/4	54,784	3/4	44,046	3/4	33,307	3/4	22,595	3/4	11,857	3/4	1,400	3/4		3/4			3/4
5	65,299	5	54,561	5	43,822	5	33,084	5	22,371	5	11,633	5	1,232	5		5			5
1/4	65,076	1/4	54,337	1/4	43,599	1/4	32,861	1/4	22,148	1/4	11,409	1/4	1,102	1/4		1/4			1/4
1/2	64,852	1/2	54,113	1/2	43,375	1/2	32,638	1/2	21,924	1/2	11,186	1/2	971	1/2		1/2			1/2
3/4	64,628	3/4	53,890	3/4	43,151	3/4	32,415	3/4	21,700	3/4	10,962	3/4	841	3/4		3/4			3/4
6	64,404	6	53,666	6	42,927	6	32,192	6	21,476	6	10,738	6	710	6		6			6
1/4	64,181	1/4	53,442	1/4	42,704	1/4	31,969	1/4	21,253	1/4	10,515	1/4	617	1/4		1/4			1/4
1/2	63,957	1/2	53,218	1/2	42,480	1/2	31,746	1/2	21,029	1/2	10,291	1/2	524	1/2		1/2			1/2
3/4	63,733	3/4	52,995	3/4	42,256	3/4	31,523	3/4	20,805	3/4	10,067	3/4	431	3/4		3/4			3/4
7	63,510	7	52,771	7	42,032	7	31,300	7	20,582	7	9,843	7	338	7		7			7
1/4	63,286	1/4	52,547	1/4	41,809	1/4	31,077	1/4	20,358	1/4	9,620	1/4	282	1/4		1/4			1/4
1/2	63,062	1/2	52,324	1/2	41,585	1/2	30,854	1/2	20,134	1/2	9,396	1/2	226	1/2		1/2			1/2
3/4	62,838	3/4	52,100	3/4	41,361	3/4	30,631	3/4	19,910	3/4	9,172	3/4	170	3/4		3/4			3/4
8	62,615	8	51,876	8	41,138	8	30,408	8	19,687	8	8,949	8	114	8		8			8
1/4	62,391	1/4	51,652	1/4	40,914	1/4	30,185	1/4	19,463	1/4	8,725	1/4	95	1/4		1/4			1/4
1/2	62,167	1/2	51,429	1/2	40,690	1/2	29,962	1/2	19,239	1/2	8,501	1/2	77	1/2		1/2			1/2
3/4	61,943	3/4	51,205	3/4	40,466	3/4	29,739	3/4	19,016	3/4	8,277	3/4	58	3/4		3/4			3/4
9	61,720	9	50,981	9	40,243	9	29,516	9	18,792	9	8,054	9	39	9		9			9
1/4	61,496	1/4	50,758	1/4	40,019	1/4	29,293	1/4	18,568	1/4	7,830	1/4		1/4		1/4			1/4
1/2	61,272	1/2	50,534	1/2	39,795	1/2	29,070	1/2	18,344	1/2	7,606	1/2		1/2		1/2			1/2
3/4	61,049	3/4	50,310	3/4	39,572	3/4	28,847	3/4	18,121	3/4	7,383	3/4		3/4		3/4			3/4
10	60,825	10	50,086	10	39,348	10	28,624	10	17,897	10	7,159	10		10		10			10
1/4	60,601	1/4	49,863	1/4	39,124	1/4	28,401	1/4	17,673	1/4	6,936	1/4		1/4		1/4			1/4
1/2	60,377	1/2	49,639	1/2	38,900	1/2	28,178	1/2	17,450	1/2	6,712	1/2		1/2		1/2			1/2
3/4	60,154	3/4	49,415	3/4	38,677	3/4	27,955	3/4	17,226	3/4	6,488	3/4		3/4		3/4			3/4
11	59,930	11	49,192	11	38,453	11	27,732	11	17,002	11	6,265	11		11		11			11
1/4	59,706	1/4	48,968	1/4	38,229	1/4	27,509	1/4	16,778	1/4	6,042	1/4		1/4		1/4			1/4
1/2	59,483	1/2	48,744	1/2	38,006	1/2	27,286	1/2	16,555	1/2	5,819	1/2		1/2		1/2			1/2
3/4	59,259	3/4	48,520	3/4	37,782	3/4	27,063	3/4	16,331	3/4	5,596	3/4		3/4		3/4			3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/20/2017 SW  
CALCULATED: 07/21/2017 CL  
PRINTED: 07/21/2017 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2017

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