



# BARGE "CBC 1706"

## INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>										
<b>1 CENTER</b>	00-3/8	- 00-3/8	00-5/8	- 00-5/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	01-7/8	- 01-7/8
<b>2 PORT</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	00-3/8	- 00-3/8
<b>2 STBD</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	00-3/8	- 00-3/8
<b>3 CENTER</b>	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-1/4	01-1/4

(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 - 00-5/8"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 3/8"

LENGTH BETWEEN DRAFT MARKS: 162'-03"

December 10, 2019

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

<http://www.pmacorp.net>





# BARGE "CBC 1706"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-01"

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	15,720	0	34,547	0	53,214	0	71,925	0	90,723	0	109,520	0	128,294	0	147,097	0	165,900
1/4	88	1/4	16,112	1/4	34,939	1/4	53,600	1/4	72,317	1/4	91,114	1/4	109,911	1/4	128,686	1/4	147,489	1/4	166,292
1/2	137	1/2	16,504	1/2	35,331	1/2	53,986	1/2	72,708	1/2	91,506	1/2	110,302	1/2	129,077	1/2	147,880	1/2	166,683
3/4	186	3/4	16,897	3/4	35,722	3/4	54,372	3/4	73,100	3/4	91,897	3/4	110,693	3/4	129,469	3/4	148,272	3/4	167,075
1	235	1	17,289	1	36,114	1	54,758	1	73,492	1	92,289	1	111,084	1	129,861	1	148,664	1	167,467
1/4	382	1/4	17,681	1/4	36,506	1/4	55,144	1/4	73,883	1/4	92,681	1/4	111,475	1/4	130,253	1/4	149,056	1/4	167,858
1/2	530	1/2	18,073	1/2	36,898	1/2	55,530	1/2	74,275	1/2	93,072	1/2	111,866	1/2	130,644	1/2	149,447	1/2	168,249
3/4	677	3/4	18,466	3/4	37,290	3/4	55,916	3/4	74,666	3/4	93,464	3/4	112,257	3/4	131,036	3/4	149,839	3/4	168,640
2	824	2	18,858	2	37,681	2	56,302	2	75,058	2	93,855	2	112,648	2	131,428	2	150,231	2	169,032
1/4	1,069	1/4	19,250	1/4	38,073	1/4	56,689	1/4	75,450	1/4	94,247	1/4	113,039	1/4	131,819	1/4	150,623	1/4	169,423
1/2	1,314	1/2	19,643	1/2	38,465	1/2	57,075	1/2	75,841	1/2	94,639	1/2	113,430	1/2	132,211	1/2	151,014	1/2	169,814
3/4	1,559	3/4	20,035	3/4	38,857	3/4	57,461	3/4	76,233	3/4	95,030	3/4	113,821	3/4	132,603	3/4	151,406	3/4	170,205
3	1,804	3	20,427	3	39,248	3	57,848	3	76,625	3	95,422	3	114,212	3	132,995	3	151,798	3	170,597
1/4	2,148	1/4	20,819	1/4	39,640	1/4	58,234	1/4	77,016	1/4	95,813	1/4	114,603	1/4	133,386	1/4	152,190	1/4	170,988
1/2	2,491	1/2	21,212	1/2	40,032	1/2	58,621	1/2	77,408	1/2	96,205	1/2	114,994	1/2	133,778	1/2	152,581	1/2	171,379
3/4	2,834	3/4	21,604	3/4	40,424	3/4	59,007	3/4	77,799	3/4	96,597	3/4	115,385	3/4	134,170	3/4	152,973	3/4	171,770
4	3,177	4	21,996	4	40,816	4	59,394	4	78,191	4	96,988	4	115,776	4	134,562	4	153,365	4	172,162
1/4	3,568	1/4	22,388	1/4	41,207	1/4	59,785	1/4	78,583	1/4	97,380	1/4	116,167	1/4	134,953	1/4	153,756	1/4	172,553
1/2	3,958	1/2	22,781	1/2	41,599	1/2	60,177	1/2	78,974	1/2	97,771	1/2	116,558	1/2	135,345	1/2	154,148	1/2	172,944
3/4	4,348	3/4	23,173	3/4	41,991	3/4	60,569	3/4	79,366	3/4	98,163	3/4	116,949	3/4	135,737	3/4	154,540	3/4	173,335
5	4,739	5	23,565	5	42,383	5	60,960	5	79,757	5	98,555	5	117,340	5	136,129	5	154,932	5	173,726
1/4	5,130	1/4	23,958	1/4	42,775	1/4	61,352	1/4	80,149	1/4	98,946	1/4	117,731	1/4	136,520	1/4	155,323	1/4	174,118
1/2	5,522	1/2	24,350	1/2	43,166	1/2	61,743	1/2	80,541	1/2	99,338	1/2	118,122	1/2	136,912	1/2	155,715	1/2	174,509
3/4	5,914	3/4	24,742	3/4	43,558	3/4	62,135	3/4	80,932	3/4	99,730	3/4	118,513	3/4	137,304	3/4	156,107	3/4	174,900
6	6,306	6	25,134	6	43,950	6	62,527	6	81,324	6	100,121	6	118,904	6	137,695	6	156,499	6	175,291
1/4	6,698	1/4	25,527	1/4	44,336	1/4	62,918	1/4	81,715	1/4	100,513	1/4	119,295	1/4	138,087	1/4	156,890	1/4	175,683
1/2	7,090	1/2	25,919	1/2	44,722	1/2	63,310	1/2	82,107	1/2	100,904	1/2	119,686	1/2	138,479	1/2	157,282	1/2	176,074
3/4	7,482	3/4	26,311	3/4	45,108	3/4	63,701	3/4	82,499	3/4	101,296	3/4	120,077	3/4	138,871	3/4	157,674	3/4	176,465
7	7,874	7	26,704	7	45,494	7	64,093	7	82,890	7	101,688	7	120,468	7	139,262	7	158,065	7	176,856
1/4	8,267	1/4	27,096	1/4	45,880	1/4	64,485	1/4	83,282	1/4	102,079	1/4	120,859	1/4	139,654	1/4	158,457	1/4	177,200
1/2	8,659	1/2	27,488	1/2	46,266	1/2	64,876	1/2	83,674	1/2	102,471	1/2	121,250	1/2	140,046	1/2	158,849	1/2	177,544
3/4	9,051	3/4	27,880	3/4	46,652	3/4	65,268	3/4	84,065	3/4	102,862	3/4	121,641	3/4	140,438	3/4	159,241	3/4	177,887
8	9,443	8	28,273	8	47,038	8	65,659	8	84,457	8	103,254	8	122,032	8	140,829	8	159,632	8	178,231
1/4	9,836	1/4	28,665	1/4	47,424	1/4	66,051	1/4	84,848	1/4	103,646	1/4	122,423	1/4	141,221	1/4	160,024	1/4	178,575
1/2	10,228	1/2	29,057	1/2	47,810	1/2	66,443	1/2	85,240	1/2	104,037	1/2	122,814	1/2	141,613	1/2	160,416	1/2	178,918
3/4	10,620	3/4	29,449	3/4	48,196	3/4	66,834	3/4	85,632	3/4	104,429	3/4	123,205	3/4	142,004	3/4	160,808	3/4	179,262
9	11,013	9	29,842	9	48,582	9	67,226	9	86,023	9	104,820	9	123,596	9	142,396	9	161,199	9	179,606
1/4	11,405	1/4	30,234	1/4	48,968	1/4	67,618	1/4	86,415	1/4	105,212	1/4	123,987	1/4	142,788	1/4	161,591	1/4	179,949
1/2	11,797	1/2	30,626	1/2	49,354	1/2	68,009	1/2	86,806	1/2	105,604	1/2	124,378	1/2	143,180	1/2	161,983	1/2	180,293
3/4	12,189	3/4	31,019	3/4	49,740	3/4	68,401	3/4	87,198	3/4	105,995	3/4	124,769	3/4	143,571	3/4	162,375	3/4	180,637
10	12,582	10	31,411	10	50,126	10	68,792	10	87,590	10	106,387	10	125,160	10	143,963	10	162,766	10	180,980
1/4	12,974	1/4	31,803	1/4	50,512	1/4	69,184	1/4	87,981	1/4	106,779	1/4	125,552	1/4	144,355	1/4	163,158	1/4	181,324
1/2	13,366	1/2	32,195	1/2	50,898	1/2	69,576	1/2	88,373	1/2	107,170	1/2	125,944	1/2	144,747	1/2	163,550	1/2	181,668
3/4	13,758	3/4	32,588	3/4	51,284	3/4	69,967	3/4	88,764	3/4	107,562	3/4	126,335	3/4	145,138	3/4	163,941	3/4	182,011
11	14,151	11	32,980	11	51,670	11	70,359	11	89,156	11	107,953	11	126,727	11	145,530	11	164,333	11	182,355
1/4	14,543	1/4	33,372	1/4	52,056	1/4	70,750	1/4	89,548	1/4	108,345	1/4	127,119	1/4	145,922	1/4	164,725	1/4	182,699
1/2	14,935	1/2	33,763	1/2	52,442	1/2	71,142	1/2	89,939	1/2	108,737	1/2	127,510	1/2	146,314	1/2	165,117	1/2	183,042
3/4	15,328	3/4	34,155	3/4	52,828	3/4	71,534	3/4	90,331	3/4	109,128	3/4	127,902	3/4	146,705	3/4	165,508	3/4	183,386

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 INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED 1'-03" OFF CENTERLINE AND 22'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
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# BARGE "CBC 1706"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-01"

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	183,730	0	200,189	0	216,641	0	230,052	0		0		0		0		0		0	
1/4	184,073	1/4	200,532	1/4	216,984	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	184,417	1/2	200,875	1/2	217,327	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	184,761	3/4	201,217	3/4	217,669	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	185,104	1	201,560	1	218,012	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	185,448	1/4	201,903	1/4	218,355	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	185,792	1/2	202,246	1/2	218,698	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	186,135	3/4	202,588	3/4	219,040	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	186,479	2	202,931	2	219,383	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	186,822	1/4	203,274	1/4	219,726	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	187,165	1/2	203,617	1/2	220,069	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	187,507	3/4	203,959	3/4	220,411	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	187,850	3	204,302	3	220,754	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	188,193	1/4	204,645	1/4	221,097	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	188,536	1/2	204,988	1/2	221,440	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	188,878	3/4	205,330	3/4	221,782	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	189,221	4	205,673	4	222,125	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	189,564	1/4	206,016	1/4	222,468	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	189,907	1/2	206,359	1/2	222,811	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	190,249	3/4	206,701	3/4	223,153	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	190,592	5	207,044	5	223,496	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	190,935	1/4	207,387	1/4	223,839	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	191,278	1/2	207,730	1/2	224,181	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	191,620	3/4	208,072	3/4	224,524	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	191,963	6	208,415	6	224,867	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	192,306	1/4	208,758	1/4	225,198	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	192,649	1/2	209,101	1/2	225,529	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	192,991	3/4	209,443	3/4	225,860	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	193,334	7	209,786	7	226,191	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	193,677	1/4	210,129	1/4	226,514	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	194,020	1/2	210,472	1/2	226,838	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	194,362	3/4	210,814	3/4	227,162	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	194,705	8	211,157	8	227,486	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	195,048	1/4	211,500	1/4	227,744	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	195,391	1/2	211,843	1/2	228,003	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	195,733	3/4	212,185	3/4	228,261	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	196,076	9	212,528	9	228,520	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	196,419	1/4	212,871	1/4	228,713	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	196,762	1/2	213,214	1/2	228,906	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	197,104	3/4	213,556	3/4	229,099	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	197,447	10	213,899	10	229,292	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	197,790	1/4	214,242	1/4	229,420	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	198,133	1/2	214,585	1/2	229,547	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	198,475	3/4	214,927	3/4	229,675	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	198,818	11	215,270	11	229,803	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	199,161	1/4	215,613	1/4	229,865	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	199,504	1/2	215,956	1/2	229,927	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	199,846	3/4	216,298	3/4	229,989	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/09/2019 CL  
CALCULATED: 12/09/2019 CL  
PRINTED: 12/10/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "CBC 1706"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	752	0	11,003	0	21,533	0	32,031	0	42,559	0	53,090	0	63,621	0	74,151	0	84,682	0	95,212
1/4	889	1/4	11,222	1/4	21,752	1/4	32,250	1/4	42,778	1/4	53,309	1/4	63,840	1/4	74,371	1/4	84,902	1/4	95,431
1/2	1,027	1/2	11,441	1/2	21,972	1/2	32,469	1/2	42,998	1/2	53,529	1/2	64,059	1/2	74,590	1/2	85,121	1/2	95,651
3/4	1,218	3/4	11,661	3/4	22,191	3/4	32,688	3/4	43,217	3/4	53,748	3/4	64,279	3/4	74,810	3/4	85,340	3/4	95,870
1	1,410	1	11,880	1	22,411	1	32,907	1	43,436	1	53,967	1	64,498	1	75,029	1	85,560	1	96,089
1/4	1,602	1/4	12,100	1/4	22,630	1/4	33,125	1/4	43,656	1/4	54,187	1/4	64,718	1/4	75,248	1/4	85,779	1/4	96,308
1/2	1,794	1/2	12,319	1/2	22,849	1/2	33,344	1/2	43,875	1/2	54,406	1/2	64,937	1/2	75,468	1/2	85,999	1/2	96,528
3/4	2,013	3/4	12,538	3/4	23,069	3/4	33,564	3/4	44,095	3/4	54,625	3/4	65,156	3/4	75,687	3/4	86,218	3/4	96,747
2	2,231	2	12,758	2	23,288	2	33,783	2	44,314	2	54,845	2	65,376	2	75,906	2	86,437	2	96,966
1/4	2,449	1/4	12,977	1/4	23,507	1/4	34,003	1/4	44,533	1/4	55,064	1/4	65,595	1/4	76,126	1/4	86,657	1/4	97,186
1/2	2,667	1/2	13,196	1/2	23,727	1/2	34,222	1/2	44,753	1/2	55,284	1/2	65,814	1/2	76,345	1/2	86,876	1/2	97,405
3/4	2,887	3/4	13,416	3/4	23,946	3/4	34,441	3/4	44,972	3/4	55,503	3/4	66,034	3/4	76,565	3/4	87,095	3/4	97,624
3	3,106	3	13,635	3	24,166	3	34,661	3	45,192	3	55,722	3	66,253	3	76,784	3	87,315	3	97,843
1/4	3,325	1/4	13,855	1/4	24,385	1/4	34,880	1/4	45,411	1/4	55,942	1/4	66,473	1/4	77,003	1/4	87,534	1/4	98,063
1/2	3,544	1/2	14,074	1/2	24,604	1/2	35,100	1/2	45,630	1/2	56,161	1/2	66,692	1/2	77,223	1/2	87,754	1/2	98,282
3/4	3,763	3/4	14,293	3/4	24,823	3/4	35,319	3/4	45,850	3/4	56,381	3/4	66,911	3/4	77,442	3/4	87,973	3/4	98,501
4	3,982	4	14,513	4	25,041	4	35,538	4	46,069	4	56,600	4	67,131	4	77,662	4	88,192	4	98,721
1/4	4,202	1/4	14,732	1/4	25,260	1/4	35,758	1/4	46,289	1/4	56,819	1/4	67,350	1/4	77,881	1/4	88,412	1/4	98,940
1/2	4,421	1/2	14,952	1/2	25,478	1/2	35,977	1/2	46,508	1/2	57,039	1/2	67,570	1/2	78,100	1/2	88,631	1/2	99,159
3/4	4,641	3/4	15,171	3/4	25,696	3/4	36,197	3/4	46,727	3/4	57,258	3/4	67,789	3/4	78,320	3/4	88,851	3/4	99,378
5	4,860	5	15,390	5	25,915	5	36,416	5	46,947	5	57,478	5	68,008	5	78,539	5	89,070	5	99,598
1/4	5,079	1/4	15,610	1/4	26,133	1/4	36,635	1/4	47,166	1/4	57,697	1/4	68,228	1/4	78,759	1/4	89,289	1/4	99,817
1/2	5,299	1/2	15,829	1/2	26,351	1/2	36,855	1/2	47,386	1/2	57,916	1/2	68,447	1/2	78,978	1/2	89,509	1/2	100,036
3/4	5,518	3/4	16,048	3/4	26,570	3/4	37,074	3/4	47,605	3/4	58,136	3/4	68,667	3/4	79,197	3/4	89,728	3/4	100,256
6	5,737	6	16,268	6	26,788	6	37,294	6	47,824	6	58,355	6	68,886	6	79,417	6	89,948	6	100,475
1/4	5,957	1/4	16,487	1/4	27,007	1/4	37,513	1/4	48,044	1/4	58,575	1/4	69,105	1/4	79,636	1/4	90,167	1/4	100,694
1/2	6,176	1/2	16,707	1/2	27,225	1/2	37,732	1/2	48,263	1/2	58,794	1/2	69,325	1/2	79,856	1/2	90,386	1/2	100,913
3/4	6,396	3/4	16,926	3/4	27,443	3/4	37,952	3/4	48,483	3/4	59,013	3/4	69,544	3/4	80,075	3/4	90,606	3/4	101,133
7	6,615	7	17,145	7	27,662	7	38,171	7	48,702	7	59,233	7	69,764	7	80,294	7	90,825	7	101,352
1/4	6,834	1/4	17,365	1/4	27,880	1/4	38,390	1/4	48,921	1/4	59,452	1/4	69,983	1/4	80,514	1/4	91,045	1/4	101,571
1/2	7,054	1/2	17,584	1/2	28,099	1/2	38,610	1/2	49,141	1/2	59,671	1/2	70,202	1/2	80,733	1/2	91,264	1/2	101,791
3/4	7,273	3/4	17,804	3/4	28,317	3/4	38,829	3/4	49,360	3/4	59,891	3/4	70,422	3/4	80,953	3/4	91,483	3/4	102,010
8	7,493	8	18,023	8	28,535	8	39,049	8	49,579	8	60,110	8	70,641	8	81,172	8	91,703	8	102,229
1/4	7,712	1/4	18,242	1/4	28,754	1/4	39,268	1/4	49,799	1/4	60,330	1/4	70,860	1/4	81,391	1/4	91,922	1/4	102,448
1/2	7,931	1/2	18,462	1/2	28,972	1/2	39,487	1/2	50,018	1/2	60,549	1/2	71,080	1/2	81,611	1/2	92,141	1/2	102,668
3/4	8,151	3/4	18,681	3/4	29,190	3/4	39,707	3/4	50,238	3/4	60,768	3/4	71,299	3/4	81,830	3/4	92,361	3/4	102,887
9	8,370	9	18,900	9	29,409	9	39,926	9	50,457	9	60,988	9	71,519	9	82,049	9	92,580	9	103,106
1/4	8,589	1/4	19,120	1/4	29,627	1/4	40,146	1/4	50,676	1/4	61,207	1/4	71,738	1/4	82,269	1/4	92,800	1/4	103,326
1/2	8,809	1/2	19,339	1/2	29,846	1/2	40,365	1/2	50,896	1/2	61,427	1/2	71,957	1/2	82,488	1/2	93,019	1/2	103,545
3/4	9,028	3/4	19,559	3/4	30,064	3/4	40,584	3/4	51,115	3/4	61,646	3/4	72,177	3/4	82,708	3/4	93,238	3/4	103,764
10	9,248	10	19,778	10	30,282	10	40,804	10	51,335	10	61,865	10	72,396	10	82,927	10	93,458	10	103,983
1/4	9,467	1/4	19,997	1/4	30,501	1/4	41,023	1/4	51,554	1/4	62,085	1/4	72,616	1/4	83,146	1/4	93,677	1/4	104,203
1/2	9,686	1/2	20,217	1/2	30,719	1/2	41,243	1/2	51,773	1/2	62,304	1/2	72,835	1/2	83,366	1/2	93,896	1/2	104,422
3/4	9,906	3/4	20,436	3/4	30,938	3/4	41,462	3/4	51,993	3/4	62,524	3/4	73,054	3/4	83,585	3/4	94,116	3/4	104,641
11	10,125	11	20,655	11	31,156	11	41,681	11	52,212	11	62,743	11	73,274	11	83,805	11	94,335	11	104,861
1/4	10,344	1/4	20,875	1/4	31,374	1/4	41,901	1/4	52,432	1/4	62,962	1/4	73,493	1/4	84,024	1/4	94,554	1/4	105,080
1/2	10,564	1/2	21,094	1/2	31,593	1/2	42,120	1/2	52,651	1/2	63,182	1/2	73,713	1/2	84,243	1/2	94,773	1/2	105,299
3/4	10,783	3/4	21,314	3/4	31,812	3/4	42,340	3/4	52,870	3/4	63,401	3/4	73,932	3/4	84,463	3/4	94,993	3/4	105,518

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 INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED 14'-09" OFF CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD

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



# BARGE "CBC 1706"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 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	105,738	0	116,248	0	126,744	0		0		0		0		0		0		0	
1/4	105,957	1/4	116,466	1/4	126,963	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	106,176	1/2	116,685	1/2	127,182	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	106,396	3/4	116,904	3/4	127,400	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	106,615	1	117,122	1	127,619	1		1		1		1		1		1		1	
1/4	106,834	1/4	117,341	1/4	127,838	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	107,053	1/2	117,560	1/2	128,056	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	107,273	3/4	117,778	3/4	128,275	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	107,492	2	117,997	2	128,494	2		2		2		2		2		2		2	
1/4	107,711	1/4	118,216	1/4	128,712	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	107,931	1/2	118,434	1/2	128,931	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	108,150	3/4	118,653	3/4	129,150	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	108,369	3	118,872	3	129,368	3		3		3		3		3		3		3	
1/4	108,588	1/4	119,090	1/4	129,587	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	108,808	1/2	119,309	1/2	129,805	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	109,027	3/4	119,528	3/4	130,017	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	109,246	4	119,747	4	130,230	4		4		4		4		4		4		4	
1/4	109,466	1/4	119,965	1/4	130,442	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	109,685	1/2	120,184	1/2	130,654	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	109,904	3/4	120,403	3/4	130,834	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	110,123	5	120,621	5	131,015	5		5		5		5		5		5		5	
1/4	110,343	1/4	120,840	1/4	131,195	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	110,562	1/2	121,059	1/2	131,375	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	110,781	3/4	121,277	3/4	131,519	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	110,999	6	121,496	6	131,663	6		6		6		6		6		6		6	
1/4	111,218	1/4	121,715	1/4	131,807	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,437	1/2	121,933	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	111,655	3/4	122,152	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	111,874	7	122,371	7		7		7		7		7		7		7		7	
1/4	112,093	1/4	122,589	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,311	1/2	122,808	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,530	3/4	123,027	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	112,749	8	123,245	8		8		8		8		8		8		8		8	
1/4	112,968	1/4	123,464	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,186	1/2	123,683	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,405	3/4	123,901	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	113,624	9	124,120	9		9		9		9		9		9		9		9	
1/4	113,842	1/4	124,339	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,061	1/2	124,557	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,280	3/4	124,776	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	114,498	10	124,995	10		10		10		10		10		10		10		10	
1/4	114,717	1/4	125,213	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,936	1/2	125,432	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,154	3/4	125,651	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	115,373	11	125,869	11		11		11		11		11		11		11		11	
1/4	115,592	1/4	126,088	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	115,810	1/2	126,307	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	116,029	3/4	126,526	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: 12/09/2019 CL  
CALCULATED: 12/09/2019 CL  
PRINTED: 12/10/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "CBC 1706"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-07"

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	752	0	11,003	0	21,533	0	31,777	0	42,260	0	52,791	0	63,322	0	73,852	0	84,383	0	94,913
1/4	889	1/4	11,222	1/4	21,752	1/4	31,988	1/4	42,479	1/4	53,010	1/4	63,541	1/4	74,072	1/4	84,603	1/4	95,132
1/2	1,027	1/2	11,441	1/2	21,972	1/2	32,200	1/2	42,699	1/2	53,230	1/2	63,760	1/2	74,291	1/2	84,822	1/2	95,352
3/4	1,218	3/4	11,661	3/4	22,191	3/4	32,411	3/4	42,918	3/4	53,449	3/4	63,980	3/4	74,511	3/4	85,041	3/4	95,571
1	1,410	1	11,880	1	22,411	1	32,622	1	43,138	1	53,668	1	64,199	1	74,730	1	85,261	1	95,790
1/4	1,602	1/4	12,100	1/4	22,630	1/4	32,834	1/4	43,357	1/4	53,888	1/4	64,419	1/4	74,949	1/4	85,480	1/4	96,009
1/2	1,794	1/2	12,319	1/2	22,849	1/2	33,045	1/2	43,576	1/2	54,107	1/2	64,638	1/2	75,169	1/2	85,700	1/2	96,229
3/4	2,013	3/4	12,538	3/4	23,069	3/4	33,265	3/4	43,796	3/4	54,326	3/4	64,857	3/4	75,388	3/4	85,919	3/4	96,448
2	2,231	2	12,758	2	23,288	2	33,484	2	44,015	2	54,546	2	65,077	2	75,607	2	86,138	2	96,667
1/4	2,449	1/4	12,977	1/4	23,507	1/4	33,704	1/4	44,234	1/4	54,765	1/4	65,296	1/4	75,827	1/4	86,358	1/4	96,887
1/2	2,668	1/2	13,196	1/2	23,727	1/2	33,923	1/2	44,454	1/2	54,985	1/2	65,515	1/2	76,046	1/2	86,577	1/2	97,106
3/4	2,887	3/4	13,416	3/4	23,946	3/4	34,142	3/4	44,673	3/4	55,204	3/4	65,735	3/4	76,266	3/4	86,796	3/4	97,325
3	3,106	3	13,635	3	24,166	3	34,362	3	44,893	3	55,423	3	65,954	3	76,485	3	87,016	3	97,544
1/4	3,325	1/4	13,855	1/4	24,385	1/4	34,581	1/4	45,112	1/4	55,643	1/4	66,174	1/4	76,704	1/4	87,235	1/4	97,764
1/2	3,544	1/2	14,074	1/2	24,604	1/2	34,801	1/2	45,331	1/2	55,862	1/2	66,393	1/2	76,924	1/2	87,455	1/2	97,983
3/4	3,763	3/4	14,293	3/4	24,815	3/4	35,020	3/4	45,551	3/4	56,082	3/4	66,612	3/4	77,143	3/4	87,674	3/4	98,202
4	3,982	4	14,513	4	25,026	4	35,239	4	45,770	4	56,301	4	66,832	4	77,363	4	87,893	4	98,422
1/4	4,202	1/4	14,732	1/4	25,237	1/4	35,459	1/4	45,990	1/4	56,520	1/4	67,051	1/4	77,582	1/4	88,113	1/4	98,641
1/2	4,421	1/2	14,952	1/2	25,448	1/2	35,678	1/2	46,209	1/2	56,740	1/2	67,271	1/2	77,801	1/2	88,332	1/2	98,860
3/4	4,641	3/4	15,171	3/4	25,659	3/4	35,898	3/4	46,428	3/4	56,959	3/4	67,490	3/4	78,021	3/4	88,552	3/4	99,079
5	4,860	5	15,390	5	25,870	5	36,117	5	46,648	5	57,179	5	67,709	5	78,240	5	88,771	5	99,299
1/4	5,079	1/4	15,610	1/4	26,081	1/4	36,336	1/4	46,867	1/4	57,398	1/4	67,929	1/4	78,460	1/4	88,990	1/4	99,518
1/2	5,299	1/2	15,829	1/2	26,292	1/2	36,556	1/2	47,087	1/2	57,617	1/2	68,148	1/2	78,679	1/2	89,210	1/2	99,737
3/4	5,518	3/4	16,048	3/4	26,503	3/4	36,775	3/4	47,306	3/4	57,837	3/4	68,368	3/4	78,898	3/4	89,429	3/4	99,957
6	5,737	6	16,268	6	26,713	6	36,995	6	47,525	6	58,056	6	68,587	6	79,118	6	89,649	6	100,176
1/4	5,957	1/4	16,487	1/4	26,924	1/4	37,214	1/4	47,745	1/4	58,276	1/4	68,806	1/4	79,337	1/4	89,868	1/4	100,395
1/2	6,176	1/2	16,707	1/2	27,135	1/2	37,433	1/2	47,964	1/2	58,495	1/2	69,026	1/2	79,557	1/2	90,087	1/2	100,614
3/4	6,396	3/4	16,926	3/4	27,346	3/4	37,653	3/4	48,184	3/4	58,714	3/4	69,245	3/4	79,776	3/4	90,307	3/4	100,834
7	6,615	7	17,145	7	27,557	7	37,872	7	48,403	7	58,934	7	69,465	7	79,995	7	90,526	7	101,053
1/4	6,834	1/4	17,365	1/4	27,768	1/4	38,091	1/4	48,622	1/4	59,153	1/4	69,684	1/4	80,215	1/4	90,746	1/4	101,272
1/2	7,054	1/2	17,584	1/2	27,979	1/2	38,311	1/2	48,842	1/2	59,373	1/2	69,903	1/2	80,434	1/2	90,965	1/2	101,492
3/4	7,273	3/4	17,804	3/4	28,190	3/4	38,530	3/4	49,061	3/4	59,592	3/4	70,123	3/4	80,654	3/4	91,184	3/4	101,711
8	7,493	8	18,023	8	28,401	8	38,750	8	49,280	8	59,811	8	70,342	8	80,873	8	91,404	8	101,930
1/4	7,712	1/4	18,242	1/4	28,612	1/4	38,969	1/4	49,500	1/4	60,031	1/4	70,561	1/4	81,092	1/4	91,623	1/4	102,149
1/2	7,931	1/2	18,462	1/2	28,823	1/2	39,188	1/2	49,719	1/2	60,250	1/2	70,781	1/2	81,312	1/2	91,842	1/2	102,369
3/4	8,151	3/4	18,681	3/4	29,034	3/4	39,408	3/4	49,939	3/4	60,469	3/4	71,000	3/4	81,531	3/4	92,062	3/4	102,588
9	8,370	9	18,900	9	29,244	9	39,627	9	50,158	9	60,689	9	71,220	9	81,750	9	92,281	9	102,807
1/4	8,589	1/4	19,120	1/4	29,455	1/4	39,847	1/4	50,377	1/4	60,908	1/4	71,439	1/4	81,970	1/4	92,501	1/4	103,027
1/2	8,809	1/2	19,339	1/2	29,666	1/2	40,066	1/2	50,597	1/2	61,128	1/2	71,658	1/2	82,189	1/2	92,720	1/2	103,246
3/4	9,028	3/4	19,559	3/4	29,877	3/4	40,285	3/4	50,816	3/4	61,347	3/4	71,878	3/4	82,409	3/4	92,939	3/4	103,465
10	9,248	10	19,778	10	30,088	10	40,505	10	51,036	10	61,566	10	72,097	10	82,628	10	93,159	10	103,684
1/4	9,467	1/4	19,997	1/4	30,299	1/4	40,724	1/4	51,255	1/4	61,786	1/4	72,317	1/4	82,847	1/4	93,378	1/4	103,904
1/2	9,686	1/2	20,217	1/2	30,510	1/2	40,944	1/2	51,474	1/2	62,005	1/2	72,536	1/2	83,067	1/2	93,597	1/2	104,123
3/4	9,906	3/4	20,436	3/4	30,721	3/4	41,163	3/4	51,694	3/4	62,225	3/4	72,755	3/4	83,286	3/4	93,816	3/4	104,342
11	10,125	11	20,655	11	30,932	11	41,382	11	51,913	11	62,444	11	72,975	11	83,506	11	94,036	11	104,562
1/4	10,345	1/4	20,875	1/4	31,143	1/4	41,602	1/4	52,133	1/4	62,663	1/4	73,194	1/4	83,725	1/4	94,255	1/4	104,781
1/2	10,564	1/2	21,094	1/2	31,354	1/2	41,821	1/2	52,352	1/2	62,883	1/2	73,414	1/2	83,944	1/2	94,474	1/2	105,000
3/4	10,783	3/4	21,314	3/4	31,565	3/4	42,041	3/4	52,571	3/4	63,102	3/4	73,633	3/4	84,164	3/4	94,694	3/4	105,219

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 INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED 14'-09" OFF CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD

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



# BARGE "CBC 1706"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-07"

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	105,439	0	115,949	0	126,445	0		0		0		0		0		0		0	
1/4	105,658	1/4	116,167	1/4	126,664	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	105,877	1/2	116,386	1/2	126,883	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	106,097	3/4	116,605	3/4	127,101	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	106,316	1	116,823	1	127,320	1		1		1		1		1		1		1	
1/4	106,535	1/4	117,042	1/4	127,539	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	106,754	1/2	117,261	1/2	127,757	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	106,974	3/4	117,479	3/4	127,976	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	107,193	2	117,698	2	128,195	2		2		2		2		2		2		2	
1/4	107,412	1/4	117,917	1/4	128,413	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	107,632	1/2	118,135	1/2	128,632	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	107,851	3/4	118,354	3/4	128,851	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	108,070	3	118,573	3	129,069	3		3		3		3		3		3		3	
1/4	108,289	1/4	118,792	1/4	129,288	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	108,509	1/2	119,010	1/2	129,506	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	108,728	3/4	119,229	3/4	129,718	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	108,947	4	119,448	4	129,931	4		4		4		4		4		4		4	
1/4	109,167	1/4	119,666	1/4	130,143	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	109,386	1/2	119,885	1/2	130,355	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	109,605	3/4	120,104	3/4	130,535	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	109,825	5	120,322	5	130,716	5		5		5		5		5		5		5	
1/4	110,044	1/4	120,541	1/4	130,896	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	110,263	1/2	120,760	1/2	131,076	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	110,482	3/4	120,978	3/4	131,220	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	110,700	6	121,197	6	131,364	6		6		6		6		6		6		6	
1/4	110,919	1/4	121,416	1/4	131,508	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,138	1/2	121,634	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	111,356	3/4	121,853	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	111,575	7	122,072	7		7		7		7		7		7		7		7	
1/4	111,794	1/4	122,290	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,013	1/2	122,509	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,231	3/4	122,728	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	112,450	8	122,946	8		8		8		8		8		8		8		8	
1/4	112,669	1/4	123,165	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,887	1/2	123,384	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,106	3/4	123,602	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	113,325	9	123,821	9		9		9		9		9		9		9		9	
1/4	113,543	1/4	124,040	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,762	1/2	124,258	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,981	3/4	124,477	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	114,199	10	124,696	10		10		10		10		10		10		10		10	
1/4	114,418	1/4	124,914	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,637	1/2	125,133	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,855	3/4	125,352	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	115,074	11	125,570	11		11		11		11		11		11		11		11	
1/4	115,293	1/4	125,789	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	115,511	1/2	126,008	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,730	3/4	126,227	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: 12/09/2019 CL  
CALCULATED: 12/09/2019 CL  
PRINTED: 12/10/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

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



# BARGE "CBC 1706"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 1/2"

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	15,595	0	34,274	0	52,934	0	71,604	0	90,284	0	108,963	0	127,643	0	146,322	0	165,000
1/4	88	1/4	15,984	1/4	34,663	1/4	53,322	1/4	71,993	1/4	90,673	1/4	109,352	1/4	128,032	1/4	146,711	1/4	165,389
1/2	137	1/2	16,373	1/2	35,052	1/2	53,711	1/2	72,382	1/2	91,062	1/2	109,742	1/2	128,421	1/2	147,100	1/2	165,778
3/4	185	3/4	16,762	3/4	35,442	3/4	54,099	3/4	72,772	3/4	91,451	3/4	110,131	3/4	128,810	3/4	147,489	3/4	166,167
1	234	1	17,152	1	35,831	1	54,487	1	73,161	1	91,840	1	110,520	1	129,199	1	147,878	1	166,556
1/4	380	1/4	17,541	1/4	36,220	1/4	54,876	1/4	73,550	1/4	92,229	1/4	110,909	1/4	129,589	1/4	148,267	1/4	166,945
1/2	526	1/2	17,930	1/2	36,609	1/2	55,264	1/2	73,939	1/2	92,619	1/2	111,298	1/2	129,978	1/2	148,656	1/2	167,334
3/4	672	3/4	18,319	3/4	36,998	3/4	55,653	3/4	74,328	3/4	93,008	3/4	111,687	3/4	130,367	3/4	149,045	3/4	167,723
2	818	2	18,708	2	37,387	2	56,041	2	74,717	2	93,397	2	112,077	2	130,756	2	149,435	2	168,112
1/4	1,061	1/4	19,097	1/4	37,776	1/4	56,430	1/4	75,106	1/4	93,786	1/4	112,466	1/4	131,145	1/4	149,824	1/4	168,501
1/2	1,304	1/2	19,486	1/2	38,166	1/2	56,818	1/2	75,496	1/2	94,175	1/2	112,855	1/2	131,534	1/2	150,213	1/2	168,890
3/4	1,547	3/4	19,876	3/4	38,555	3/4	57,207	3/4	75,885	3/4	94,564	3/4	113,244	3/4	131,923	3/4	150,602	3/4	169,279
3	1,790	3	20,265	3	38,944	3	57,596	3	76,274	3	94,954	3	113,633	3	132,313	3	150,991	3	169,668
1/4	2,131	1/4	20,654	1/4	39,333	1/4	57,985	1/4	76,663	1/4	95,343	1/4	114,022	1/4	132,702	1/4	151,380	1/4	170,057
1/2	2,471	1/2	21,043	1/2	39,722	1/2	58,373	1/2	77,052	1/2	95,732	1/2	114,411	1/2	133,091	1/2	151,769	1/2	170,446
3/4	2,812	3/4	21,432	3/4	40,111	3/4	58,762	3/4	77,441	3/4	96,121	3/4	114,801	3/4	133,480	3/4	152,159	3/4	170,834
4	3,152	4	21,821	4	40,500	4	59,151	4	77,831	4	96,510	4	115,190	4	133,869	4	152,548	4	171,223
1/4	3,539	1/4	22,210	1/4	40,890	1/4	59,540	1/4	78,220	1/4	96,899	1/4	115,579	1/4	134,258	1/4	152,937	1/4	171,612
1/2	3,927	1/2	22,600	1/2	41,279	1/2	59,929	1/2	78,609	1/2	97,289	1/2	115,968	1/2	134,647	1/2	153,326	1/2	172,001
3/4	4,314	3/4	22,989	3/4	41,668	3/4	60,318	3/4	78,998	3/4	97,678	3/4	116,357	3/4	135,037	3/4	153,715	3/4	172,390
5	4,701	5	23,378	5	42,057	5	60,708	5	79,387	5	98,067	5	116,746	5	135,426	5	154,104	5	172,779
1/4	5,090	1/4	23,767	1/4	42,446	1/4	61,097	1/4	79,776	1/4	98,456	1/4	117,136	1/4	135,815	1/4	154,493	1/4	173,168
1/2	5,478	1/2	24,156	1/2	42,835	1/2	61,486	1/2	80,166	1/2	98,845	1/2	117,525	1/2	136,204	1/2	154,883	1/2	173,557
3/4	5,867	3/4	24,545	3/4	43,225	3/4	61,875	3/4	80,555	3/4	99,234	3/4	117,914	3/4	136,593	3/4	155,272	3/4	173,946
6	6,256	6	24,934	6	43,614	6	62,264	6	80,944	6	99,623	6	118,303	6	136,982	6	155,661	6	174,335
1/4	6,645	1/4	25,324	1/4	44,002	1/4	62,653	1/4	81,333	1/4	100,013	1/4	118,692	1/4	137,371	1/4	156,050	1/4	174,724
1/2	7,034	1/2	25,713	1/2	44,390	1/2	63,043	1/2	81,722	1/2	100,402	1/2	119,081	1/2	137,760	1/2	156,439	1/2	175,113
3/4	7,423	3/4	26,102	3/4	44,779	3/4	63,432	3/4	82,111	3/4	100,791	3/4	119,471	3/4	138,150	3/4	156,828	3/4	175,502
7	7,812	7	26,491	7	45,167	7	63,821	7	82,501	7	101,180	7	119,860	7	138,539	7	157,217	7	175,891
1/4	8,201	1/4	26,880	1/4	45,555	1/4	64,210	1/4	82,890	1/4	101,569	1/4	120,249	1/4	138,928	1/4	157,607	1/4	176,280
1/2	8,590	1/2	27,269	1/2	45,944	1/2	64,599	1/2	83,279	1/2	101,958	1/2	120,638	1/2	139,317	1/2	157,996	1/2	176,669
3/4	8,979	3/4	27,659	3/4	46,332	3/4	64,988	3/4	83,668	3/4	102,348	3/4	121,027	3/4	139,706	3/4	158,385	3/4	177,058
8	9,369	8	28,048	8	46,720	8	65,378	8	84,057	8	102,737	8	121,416	8	140,095	8	158,774	8	177,447
1/4	9,758	1/4	28,437	1/4	47,109	1/4	65,767	1/4	84,446	1/4	103,126	1/4	121,806	1/4	140,484	1/4	159,163	1/4	177,836
1/2	10,147	1/2	28,826	1/2	47,497	1/2	66,156	1/2	84,835	1/2	103,515	1/2	122,195	1/2	140,874	1/2	159,552	1/2	178,225
3/4	10,536	3/4	29,215	3/4	47,886	3/4	66,545	3/4	85,225	3/4	103,904	3/4	122,584	3/4	141,263	3/4	159,941	3/4	178,614
9	10,925	9	29,604	9	48,274	9	66,934	9	85,614	9	104,293	9	122,973	9	141,652	9	160,330	9	179,003
1/4	11,314	1/4	29,993	1/4	48,662	1/4	67,323	1/4	86,003	1/4	104,683	1/4	123,362	1/4	142,041	1/4	160,720	1/4	179,392
1/2	11,703	1/2	30,383	1/2	49,051	1/2	67,712	1/2	86,392	1/2	105,072	1/2	123,751	1/2	142,430	1/2	161,109	1/2	179,780
3/4	12,093	3/4	30,772	3/4	49,439	3/4	68,102	3/4	86,781	3/4	105,461	3/4	124,140	3/4	142,819	3/4	161,498	3/4	180,169
10	12,482	10	31,161	10	49,827	10	68,491	10	87,170	10	105,850	10	124,530	10	143,208	10	161,887	10	180,558
1/4	12,871	1/4	31,550	1/4	50,216	1/4	68,880	1/4	87,560	1/4	106,239	1/4	124,919	1/4	143,598	1/4	162,276	1/4	180,947
1/2	13,260	1/2	31,939	1/2	50,604	1/2	69,269	1/2	87,949	1/2	106,628	1/2	125,308	1/2	143,987	1/2	162,665	1/2	181,336
3/4	13,649	3/4	32,328	3/4	50,992	3/4	69,658	3/4	88,338	3/4	107,017	3/4	125,697	3/4	144,376	3/4	163,054	3/4	181,725
11	14,038	11	32,717	11	51,381	11	70,047	11	88,727	11	107,407	11	126,086	11	144,765	11	163,444	11	182,114
1/4	14,427	1/4	33,107	1/4	51,769	1/4	70,437	1/4	89,116	1/4	107,796	1/4	126,475	1/4	145,154	1/4	163,833	1/4	182,503
1/2	14,817	1/2	33,496	1/2	52,157	1/2	70,826	1/2	89,505	1/2	108,185	1/2	126,865	1/2	145,543	1/2	164,222	1/2	182,892
3/4	15,206	3/4	33,885	3/4	52,546	3/4	71,215	3/4	89,895	3/4	108,574	3/4	127,254	3/4	145,932	3/4	164,611	3/4	183,281

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 INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED 1'-03" OFF CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "CBC 1706"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 1/2"

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	183,670	0	202,331	0	220,976	0	235,694	0		0		0		0		0		0	
1/4	184,059	1/4	202,720	1/4	221,364	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	184,448	1/2	203,108	1/2	221,753	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	184,837	3/4	203,497	3/4	222,141	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	185,226	1	203,885	1	222,529	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	185,615	1/4	204,274	1/4	222,918	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	186,004	1/2	204,662	1/2	223,306	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	186,393	3/4	205,050	3/4	223,695	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	186,782	2	205,439	2	224,083	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	187,171	1/4	205,827	1/4	224,472	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	187,560	1/2	206,216	1/2	224,860	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	187,949	3/4	206,604	3/4	225,248	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	188,338	3	206,993	3	225,637	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	188,727	1/4	207,381	1/4	226,025	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	189,115	1/2	207,769	1/2	226,414	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	189,504	3/4	208,158	3/4	226,802	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	189,893	4	208,546	4	227,191	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	190,282	1/4	208,935	1/4	227,579	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	190,671	1/2	209,323	1/2	227,967	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	191,060	3/4	209,712	3/4	228,356	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	191,449	5	210,100	5	228,744	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	191,838	1/4	210,488	1/4	229,133	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	192,227	1/2	210,877	1/2	229,521	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	192,616	3/4	211,265	3/4	229,909	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	193,005	6	211,654	6	230,297	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	193,394	1/4	212,042	1/4	230,677	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	193,783	1/2	212,430	1/2	231,057	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	194,172	3/4	212,819	3/4	231,437	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	194,561	7	213,207	7	231,817	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	194,950	1/4	213,596	1/4	232,140	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	195,339	1/2	213,984	1/2	232,464	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	195,728	3/4	214,373	3/4	232,787	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	196,117	8	214,761	8	233,111	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	196,505	1/4	215,149	1/4	233,370	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	196,894	1/2	215,538	1/2	233,628	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	197,282	3/4	215,926	3/4	233,887	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	197,670	9	216,315	9	234,146	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	198,059	1/4	216,703	1/4	234,340	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	198,447	1/2	217,092	1/2	234,533	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	198,836	3/4	217,480	3/4	234,727	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	199,224	10	217,868	10	234,921	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	199,612	1/4	218,257	1/4	235,050	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	200,001	1/2	218,645	1/2	235,179	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	200,389	3/4	219,034	3/4	235,308	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	200,778	11	219,422	11	235,437	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	201,166	1/4	219,811	1/4	235,501	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	201,555	1/2	220,199	1/2	235,565	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	201,943	3/4	220,587	3/4	235,629	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/09/2019 CL  
CALCULATED: 12/09/2019 CL  
PRINTED: 12/10/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "CBC 1706"

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>										
1 CENTER	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-5/8	01-5/8	- 01-7/8	01-7/8
2 PORT	- 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	- 00-3/8	00-3/8
2 STBD	- 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	- 00-3/8	00-3/8
3 CENTER	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-1/4	- 01-1/4

(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 00-5/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 5/8"

LENGTH BETWEEN DRAFT MARKS: 162'-03"

December 10, 2019

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

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# BARGE "CBC 1706"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-01"

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	0	0	218,012	0	201,560	0	185,104	0	167,467	0	148,664	0	129,861	0	111,084
1/4		1/4	1/4	1/4	1/4	1/4	217,669	1/4	201,217	1/4	184,761	1/4	167,075	1/4	148,272	1/4	129,469	1/4	110,693
1/2		1/2	1/2	1/2	1/2	1/2	217,327	1/2	200,875	1/2	184,417	1/2	166,683	1/2	147,880	1/2	129,077	1/2	110,302
3/4		3/4	3/4	3/4	3/4	3/4	216,984	3/4	200,532	3/4	184,073	3/4	166,292	3/4	147,489	3/4	128,686	3/4	109,911
1	1	1	1	1	230,052	1	216,641	1	200,189	1	183,730	1	165,900	1	147,097	1	128,294	1	109,520
1/4		1/4	1/4	1/4	229,989	1/4	216,298	1/4	199,846	1/4	183,386	1/4	165,508	1/4	146,705	1/4	127,902	1/4	109,128
1/2		1/2	1/2	1/2	229,927	1/2	215,956	1/2	199,504	1/2	183,042	1/2	165,117	1/2	146,314	1/2	127,510	1/2	108,737
3/4		3/4	3/4	3/4	229,865	3/4	215,613	3/4	199,161	3/4	182,699	3/4	164,725	3/4	145,922	3/4	127,119	3/4	108,345
2	2	2	2	2	229,803	2	215,270	2	198,818	2	182,355	2	164,333	2	145,530	2	126,727	2	107,953
1/4		1/4	1/4	1/4	229,675	1/4	214,927	1/4	198,475	1/4	182,011	1/4	163,941	1/4	145,138	1/4	126,335	1/4	107,562
1/2		1/2	1/2	1/2	229,547	1/2	214,585	1/2	198,133	1/2	181,668	1/2	163,550	1/2	144,747	1/2	125,944	1/2	107,170
3/4		3/4	3/4	3/4	229,420	3/4	214,242	3/4	197,790	3/4	181,324	3/4	163,158	3/4	144,355	3/4	125,552	3/4	106,779
3	3	3	3	3	229,292	3	213,899	3	197,447	3	180,980	3	162,766	3	143,963	3	125,160	3	106,387
1/4		1/4	1/4	1/4	229,099	1/4	213,556	1/4	197,104	1/4	180,637	1/4	162,375	1/4	143,571	1/4	124,769	1/4	105,995
1/2		1/2	1/2	1/2	228,906	1/2	213,214	1/2	196,762	1/2	180,293	1/2	161,983	1/2	143,180	1/2	124,378	1/2	105,604
3/4		3/4	3/4	3/4	228,713	3/4	212,871	3/4	196,419	3/4	179,949	3/4	161,591	3/4	142,788	3/4	123,987	3/4	105,212
4	4	4	4	4	228,520	4	212,528	4	196,076	4	179,606	4	161,199	4	142,396	4	123,596	4	104,820
1/4		1/4	1/4	1/4	228,261	1/4	212,185	1/4	195,733	1/4	179,262	1/4	160,808	1/4	142,004	1/4	123,205	1/4	104,429
1/2		1/2	1/2	1/2	228,003	1/2	211,843	1/2	195,391	1/2	178,918	1/2	160,416	1/2	141,613	1/2	122,814	1/2	104,037
3/4		3/4	3/4	3/4	227,744	3/4	211,500	3/4	195,048	3/4	178,575	3/4	160,024	3/4	141,221	3/4	122,423	3/4	103,646
5	5	5	5	5	227,486	5	211,157	5	194,705	5	178,231	5	159,632	5	140,829	5	122,032	5	103,254
1/4		1/4	1/4	1/4	227,162	1/4	210,814	1/4	194,362	1/4	177,887	1/4	159,241	1/4	140,438	1/4	121,641	1/4	102,862
1/2		1/2	1/2	1/2	226,838	1/2	210,472	1/2	194,020	1/2	177,544	1/2	158,849	1/2	140,046	1/2	121,250	1/2	102,471
3/4		3/4	3/4	3/4	226,514	3/4	210,129	3/4	193,677	3/4	177,200	3/4	158,457	3/4	139,654	3/4	120,859	3/4	102,079
6	6	6	6	6	226,191	6	209,786	6	193,334	6	176,856	6	158,065	6	139,262	6	120,468	6	101,688
1/4		1/4	1/4	1/4	225,860	1/4	209,443	1/4	192,991	1/4	176,465	1/4	157,674	1/4	138,871	1/4	120,077	1/4	101,296
1/2		1/2	1/2	1/2	225,529	1/2	209,101	1/2	192,649	1/2	176,074	1/2	157,282	1/2	138,479	1/2	119,686	1/2	100,904
3/4		3/4	3/4	3/4	225,198	3/4	208,758	3/4	192,306	3/4	175,683	3/4	156,890	3/4	138,087	3/4	119,295	3/4	100,513
7	7	7	7	7	224,867	7	208,415	7	191,963	7	175,291	7	156,499	7	137,695	7	118,904	7	100,121
1/4		1/4	1/4	1/4	224,524	1/4	208,072	1/4	191,620	1/4	174,900	1/4	156,107	1/4	137,304	1/4	118,513	1/4	99,730
1/2		1/2	1/2	1/2	224,181	1/2	207,730	1/2	191,278	1/2	174,509	1/2	155,715	1/2	136,912	1/2	118,122	1/2	99,338
3/4		3/4	3/4	3/4	223,839	3/4	207,387	3/4	190,935	3/4	174,118	3/4	155,323	3/4	136,520	3/4	117,731	3/4	98,946
8	8	8	8	8	223,496	8	207,044	8	190,592	8	173,726	8	154,932	8	136,129	8	117,340	8	98,555
1/4		1/4	1/4	1/4	223,153	1/4	206,701	1/4	190,249	1/4	173,335	1/4	154,540	1/4	135,737	1/4	116,949	1/4	98,163
1/2		1/2	1/2	1/2	222,811	1/2	206,359	1/2	189,907	1/2	172,944	1/2	154,148	1/2	135,345	1/2	116,558	1/2	97,771
3/4		3/4	3/4	3/4	222,468	3/4	206,016	3/4	189,564	3/4	172,553	3/4	153,756	3/4	134,953	3/4	116,167	3/4	97,380
9	9	9	9	9	222,125	9	205,673	9	189,221	9	172,162	9	153,365	9	134,562	9	115,776	9	96,988
1/4		1/4	1/4	1/4	221,782	1/4	205,330	1/4	188,878	1/4	171,770	1/4	152,973	1/4	134,170	1/4	115,385	1/4	96,597
1/2		1/2	1/2	1/2	221,440	1/2	204,988	1/2	188,536	1/2	171,379	1/2	152,581	1/2	133,778	1/2	114,994	1/2	96,205
3/4		3/4	3/4	3/4	221,097	3/4	204,645	3/4	188,193	3/4	170,988	3/4	152,190	3/4	133,386	3/4	114,603	3/4	95,813
10	10	10	10	10	220,754	10	204,302	10	187,850	10	170,597	10	151,798	10	132,995	10	114,212	10	95,422
1/4		1/4	1/4	1/4	220,411	1/4	203,959	1/4	187,507	1/4	170,205	1/4	151,406	1/4	132,603	1/4	113,821	1/4	95,030
1/2		1/2	1/2	1/2	220,069	1/2	203,617	1/2	187,165	1/2	169,814	1/2	151,014	1/2	132,211	1/2	113,430	1/2	94,639
3/4		3/4	3/4	3/4	219,726	3/4	203,274	3/4	186,822	3/4	169,423	3/4	150,623	3/4	131,819	3/4	113,039	3/4	94,247
11	11	11	11	11	219,383	11	202,931	11	186,479	11	169,032	11	150,231	11	131,428	11	112,648	11	93,855
1/4		1/4	1/4	1/4	219,040	1/4	202,588	1/4	186,135	1/4	168,640	1/4	149,839	1/4	131,036	1/4	112,257	1/4	93,464
1/2		1/2	1/2	1/2	218,698	1/2	202,246	1/2	185,792	1/2	168,249	1/2	149,447	1/2	130,644	1/2	111,866	1/2	93,072
3/4		3/4	3/4	3/4	218,355	3/4	201,903	3/4	185,448	3/4	167,858	3/4	149,056	3/4	130,253	3/4	111,475	3/4	92,681

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 1'-03" OFF CENTERLINE AND 22'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "CBC 1706"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-01"

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	92,289	0	73,492	0	54,758	0	36,114	0	17,289	0	235	0		0		0		0	
1/4	91,897	1/4	73,100	1/4	54,372	1/4	35,722	1/4	16,897	1/4	186	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,506	1/2	72,708	1/2	53,986	1/2	35,331	1/2	16,504	1/2	137	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,114	3/4	72,317	3/4	53,600	3/4	34,939	3/4	16,112	3/4	88	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	90,723	1	71,925	1	53,214	1	34,547	1	15,720	1	39	1	1	1	1	1	1	1	1
1/4	90,331	1/4	71,534	1/4	52,828	1/4	34,155	1/4	15,328	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,939	1/2	71,142	1/2	52,442	1/2	33,763	1/2	14,935	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,548	3/4	70,750	3/4	52,056	3/4	33,372	3/4	14,543	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	89,156	2	70,359	2	51,670	2	32,980	2	14,151	2	2	2	2	2	2	2	2	2	2
1/4	88,764	1/4	69,967	1/4	51,284	1/4	32,588	1/4	13,758	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,373	1/2	69,576	1/2	50,898	1/2	32,195	1/2	13,366	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,981	3/4	69,184	3/4	50,512	3/4	31,803	3/4	12,974	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	87,590	3	68,792	3	50,126	3	31,411	3	12,582	3	3	3	3	3	3	3	3	3	3
1/4	87,198	1/4	68,401	1/4	49,740	1/4	31,019	1/4	12,189	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,806	1/2	68,009	1/2	49,354	1/2	30,626	1/2	11,797	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,415	3/4	67,618	3/4	48,968	3/4	30,234	3/4	11,405	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	86,023	4	67,226	4	48,582	4	29,842	4	11,013	4	4	4	4	4	4	4	4	4	4
1/4	85,632	1/4	66,834	1/4	48,196	1/4	29,449	1/4	10,620	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,240	1/2	66,443	1/2	47,810	1/2	29,057	1/2	10,228	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,848	3/4	66,051	3/4	47,424	3/4	28,665	3/4	9,836	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	84,457	5	65,659	5	47,038	5	28,273	5	9,443	5	5	5	5	5	5	5	5	5	5
1/4	84,065	1/4	65,268	1/4	46,652	1/4	27,880	1/4	9,051	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,674	1/2	64,876	1/2	46,266	1/2	27,488	1/2	8,659	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,282	3/4	64,485	3/4	45,880	3/4	27,096	3/4	8,267	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	82,890	6	64,093	6	45,494	6	26,704	6	7,874	6	6	6	6	6	6	6	6	6	6
1/4	82,499	1/4	63,701	1/4	45,108	1/4	26,311	1/4	7,482	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,107	1/2	63,310	1/2	44,722	1/2	25,919	1/2	7,090	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,715	3/4	62,918	3/4	44,336	3/4	25,527	3/4	6,698	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	81,324	7	62,527	7	43,950	7	25,134	7	6,306	7	7	7	7	7	7	7	7	7	7
1/4	80,932	1/4	62,135	1/4	43,558	1/4	24,742	1/4	5,914	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,541	1/2	61,743	1/2	43,166	1/2	24,350	1/2	5,522	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,149	3/4	61,352	3/4	42,775	3/4	23,958	3/4	5,130	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	79,757	8	60,960	8	42,383	8	23,565	8	4,739	8	8	8	8	8	8	8	8	8	8
1/4	79,366	1/4	60,569	1/4	41,991	1/4	23,173	1/4	4,348	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,974	1/2	60,177	1/2	41,599	1/2	22,781	1/2	3,958	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,583	3/4	59,785	3/4	41,207	3/4	22,388	3/4	3,568	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	78,191	9	59,394	9	40,816	9	21,996	9	3,177	9	9	9	9	9	9	9	9	9	9
1/4	77,799	1/4	59,007	1/4	40,424	1/4	21,604	1/4	2,834	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,408	1/2	58,621	1/2	40,032	1/2	21,212	1/2	2,491	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,016	3/4	58,234	3/4	39,640	3/4	20,819	3/4	2,148	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	76,625	10	57,848	10	39,248	10	20,427	10	1,804	10	10	10	10	10	10	10	10	10	10
1/4	76,233	1/4	57,461	1/4	38,857	1/4	20,035	1/4	1,559	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,841	1/2	57,075	1/2	38,465	1/2	19,643	1/2	1,314	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,450	3/4	56,689	3/4	38,073	3/4	19,250	3/4	1,069	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	75,058	11	56,302	11	37,681	11	18,858	11	824	11	11	11	11	11	11	11	11	11	11
1/4	74,666	1/4	55,916	1/4	37,290	1/4	18,466	1/4	677	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,275	1/2	55,530	1/2	36,898	1/2	18,073	1/2	530	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,883	3/4	55,144	3/4	36,506	3/4	17,681	3/4	382	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: 12/09/2019 CL  
CALCULATED: 12/09/2019 CL  
PRINTED: 12/10/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "CBC 1706"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	122,152	0	111,655	0	101,133	0	90,606	0	80,075	0	69,544	0	59,013
1/4	1/4	1/4	1/4	1/4	1/4	1/4	121,933	1/4	111,437	1/4	100,913	1/4	90,386	1/4	79,856	1/4	69,325	1/4	58,794
1/2	1/2	1/2	1/2	1/2	131,807	1/2	121,715	1/2	111,218	1/2	100,694	1/2	90,167	1/2	79,636	1/2	69,105	1/2	58,575
3/4	3/4	3/4	3/4	3/4	131,663	3/4	121,496	3/4	110,999	3/4	100,475	3/4	89,948	3/4	79,417	3/4	68,886	3/4	58,355
1	1	1	1	1	131,519	1	121,277	1	110,781	1	100,256	1	89,728	1	79,197	1	68,667	1	58,136
1/4	1/4	1/4	1/4	1/4	131,375	1/4	121,059	1/4	110,562	1/4	100,036	1/4	89,509	1/4	78,978	1/4	68,447	1/4	57,916
1/2	1/2	1/2	1/2	1/2	131,195	1/2	120,840	1/2	110,343	1/2	99,817	1/2	89,289	1/2	78,759	1/2	68,228	1/2	57,697
3/4	3/4	3/4	3/4	3/4	131,015	3/4	120,621	3/4	110,123	3/4	99,598	3/4	89,070	3/4	78,539	3/4	68,008	3/4	57,478
2	2	2	2	2	130,834	2	120,403	2	109,904	2	99,378	2	88,851	2	78,320	2	67,789	2	57,258
1/4	1/4	1/4	1/4	1/4	130,654	1/4	120,184	1/4	109,685	1/4	99,159	1/4	88,631	1/4	78,100	1/4	67,570	1/4	57,039
1/2	1/2	1/2	1/2	1/2	130,442	1/2	119,965	1/2	109,466	1/2	98,940	1/2	88,412	1/2	77,881	1/2	67,350	1/2	56,819
3/4	3/4	3/4	3/4	3/4	130,230	3/4	119,747	3/4	109,246	3/4	98,721	3/4	88,193	3/4	77,662	3/4	67,131	3/4	56,600
3	3	3	3	3	130,017	3	119,528	3	109,027	3	98,501	3	87,973	3	77,442	3	66,911	3	56,381
1/4	1/4	1/4	1/4	1/4	129,805	1/4	119,309	1/4	108,808	1/4	98,282	1/4	87,754	1/4	77,223	1/4	66,692	1/4	56,161
1/2	1/2	1/2	1/2	1/2	129,587	1/2	119,090	1/2	108,588	1/2	98,063	1/2	87,534	1/2	77,003	1/2	66,473	1/2	55,942
3/4	3/4	3/4	3/4	3/4	129,368	3/4	118,872	3/4	108,369	3/4	97,843	3/4	87,315	3/4	76,784	3/4	66,253	3/4	55,722
4	4	4	4	4	129,150	4	118,653	4	108,150	4	97,624	4	87,095	4	76,565	4	66,034	4	55,503
1/4	1/4	1/4	1/4	1/4	128,931	1/4	118,434	1/4	107,931	1/4	97,405	1/4	86,876	1/4	76,345	1/4	65,814	1/4	55,284
1/2	1/2	1/2	1/2	1/2	128,712	1/2	118,216	1/2	107,711	1/2	97,186	1/2	86,657	1/2	76,126	1/2	65,595	1/2	55,064
3/4	3/4	3/4	3/4	3/4	128,494	3/4	117,997	3/4	107,492	3/4	96,966	3/4	86,437	3/4	75,906	3/4	65,376	3/4	54,845
5	5	5	5	5	128,275	5	117,778	5	107,273	5	96,747	5	86,218	5	75,687	5	65,156	5	54,625
1/4	1/4	1/4	1/4	1/4	128,056	1/4	117,560	1/4	107,053	1/4	96,528	1/4	85,999	1/4	75,468	1/4	64,937	1/4	54,406
1/2	1/2	1/2	1/2	1/2	127,838	1/2	117,341	1/2	106,834	1/2	96,308	1/2	85,779	1/2	75,248	1/2	64,718	1/2	54,187
3/4	3/4	3/4	3/4	3/4	127,619	3/4	117,122	3/4	106,615	3/4	96,089	3/4	85,560	3/4	75,029	3/4	64,498	3/4	53,967
6	6	6	6	6	127,400	6	116,904	6	106,396	6	95,870	6	85,340	6	74,810	6	64,279	6	53,748
1/4	1/4	1/4	1/4	1/4	127,182	1/4	116,685	1/4	106,176	1/4	95,651	1/4	85,121	1/4	74,590	1/4	64,059	1/4	53,529
1/2	1/2	1/2	1/2	1/2	126,963	1/2	116,466	1/2	105,957	1/2	95,431	1/2	84,902	1/2	74,371	1/2	63,840	1/2	53,309
3/4	3/4	3/4	3/4	3/4	126,744	3/4	116,248	3/4	105,738	3/4	95,212	3/4	84,682	3/4	74,151	3/4	63,621	3/4	53,090
7	7	7	7	7	126,526	7	116,029	7	105,518	7	94,993	7	84,463	7	73,932	7	63,401	7	52,870
1/4	1/4	1/4	1/4	1/4	126,307	1/4	115,810	1/4	105,299	1/4	94,773	1/4	84,243	1/4	73,713	1/4	63,182	1/4	52,651
1/2	1/2	1/2	1/2	1/2	126,088	1/2	115,592	1/2	105,080	1/2	94,554	1/2	84,024	1/2	73,493	1/2	62,962	1/2	52,432
3/4	3/4	3/4	3/4	3/4	125,869	3/4	115,373	3/4	104,861	3/4	94,335	3/4	83,805	3/4	73,274	3/4	62,743	3/4	52,212
8	8	8	8	8	125,651	8	115,154	8	104,641	8	94,116	8	83,585	8	73,054	8	62,524	8	51,993
1/4	1/4	1/4	1/4	1/4	125,432	1/4	114,936	1/4	104,422	1/4	93,896	1/4	83,366	1/4	72,835	1/4	62,304	1/4	51,773
1/2	1/2	1/2	1/2	1/2	125,213	1/2	114,717	1/2	104,203	1/2	93,677	1/2	83,146	1/2	72,616	1/2	62,085	1/2	51,554
3/4	3/4	3/4	3/4	3/4	124,995	3/4	114,498	3/4	103,983	3/4	93,458	3/4	82,927	3/4	72,396	3/4	61,865	3/4	51,335
9	9	9	9	9	124,776	9	114,280	9	103,764	9	93,238	9	82,708	9	72,177	9	61,646	9	51,115
1/4	1/4	1/4	1/4	1/4	124,557	1/4	114,061	1/4	103,545	1/4	93,019	1/4	82,488	1/4	71,957	1/4	61,427	1/4	50,896
1/2	1/2	1/2	1/2	1/2	124,339	1/2	113,842	1/2	103,326	1/2	92,800	1/2	82,269	1/2	71,738	1/2	61,207	1/2	50,676
3/4	3/4	3/4	3/4	3/4	124,120	3/4	113,624	3/4	103,106	3/4	92,580	3/4	82,049	3/4	71,519	3/4	60,988	3/4	50,457
10	10	10	10	10	123,901	10	113,405	10	102,887	10	92,361	10	81,830	10	71,299	10	60,768	10	50,238
1/4	1/4	1/4	1/4	1/4	123,683	1/4	113,186	1/4	102,668	1/4	92,141	1/4	81,611	1/4	71,080	1/4	60,549	1/4	50,018
1/2	1/2	1/2	1/2	1/2	123,464	1/2	112,968	1/2	102,448	1/2	91,922	1/2	81,391	1/2	70,860	1/2	60,330	1/2	49,799
3/4	3/4	3/4	3/4	3/4	123,245	3/4	112,749	3/4	102,229	3/4	91,703	3/4	81,172	3/4	70,641	3/4	60,110	3/4	49,579
11	11	11	11	11	123,027	11	112,530	11	102,010	11	91,483	11	80,953	11	70,422	11	59,891	11	49,360
1/4	1/4	1/4	1/4	1/4	122,808	1/4	112,311	1/4	101,791	1/4	91,264	1/4	80,733	1/4	70,202	1/4	59,671	1/4	49,141
1/2	1/2	1/2	1/2	1/2	122,589	1/2	112,093	1/2	101,571	1/2	91,045	1/2	80,514	1/2	69,983	1/2	59,452	1/2	48,921
3/4	3/4	3/4	3/4	3/4	122,371	3/4	111,874	3/4	101,352	3/4	90,825	3/4	80,294	3/4	69,764	3/4	59,233	3/4	48,702

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 14'-09" OFF CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "CBC 1706"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 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	48,483	0	37,952	0	27,443	0	16,926	0	6,396	0		0		0		0		0	
1/4	48,263	1/4	37,732	1/4	27,225	1/4	16,707	1/4	6,176	1/4		1/4		1/4		1/4		1/4	
1/2	48,044	1/2	37,513	1/2	27,007	1/2	16,487	1/2	5,957	1/2		1/2		1/2		1/2		1/2	
3/4	47,824	3/4	37,294	3/4	26,788	3/4	16,268	3/4	5,737	3/4		3/4		3/4		3/4		3/4	
1	47,605	1	37,074	1	26,570	1	16,048	1	5,518	1		1		1		1		1	
1/4	47,386	1/4	36,855	1/4	26,351	1/4	15,829	1/4	5,299	1/4		1/4		1/4		1/4		1/4	
1/2	47,166	1/2	36,635	1/2	26,133	1/2	15,610	1/2	5,079	1/2		1/2		1/2		1/2		1/2	
3/4	46,947	3/4	36,416	3/4	25,915	3/4	15,390	3/4	4,860	3/4		3/4		3/4		3/4		3/4	
2	46,727	2	36,197	2	25,696	2	15,171	2	4,641	2		2		2		2		2	
1/4	46,508	1/4	35,977	1/4	25,478	1/4	14,952	1/4	4,421	1/4		1/4		1/4		1/4		1/4	
1/2	46,289	1/2	35,758	1/2	25,260	1/2	14,732	1/2	4,202	1/2		1/2		1/2		1/2		1/2	
3/4	46,069	3/4	35,538	3/4	25,041	3/4	14,513	3/4	3,982	3/4		3/4		3/4		3/4		3/4	
3	45,850	3	35,319	3	24,823	3	14,293	3	3,763	3		3		3		3		3	
1/4	45,630	1/4	35,100	1/4	24,604	1/4	14,074	1/4	3,544	1/4		1/4		1/4		1/4		1/4	
1/2	45,411	1/2	34,880	1/2	24,385	1/2	13,855	1/2	3,325	1/2		1/2		1/2		1/2		1/2	
3/4	45,192	3/4	34,661	3/4	24,166	3/4	13,635	3/4	3,106	3/4		3/4		3/4		3/4		3/4	
4	44,972	4	34,441	4	23,946	4	13,416	4	2,887	4		4		4		4		4	
1/4	44,753	1/4	34,222	1/4	23,727	1/4	13,196	1/4	2,667	1/4		1/4		1/4		1/4		1/4	
1/2	44,533	1/2	34,003	1/2	23,507	1/2	12,977	1/2	2,449	1/2		1/2		1/2		1/2		1/2	
3/4	44,314	3/4	33,783	3/4	23,288	3/4	12,758	3/4	2,231	3/4		3/4		3/4		3/4		3/4	
5	44,095	5	33,564	5	23,069	5	12,538	5	2,013	5		5		5		5		5	
1/4	43,875	1/4	33,344	1/4	22,849	1/4	12,319	1/4	1,794	1/4		1/4		1/4		1/4		1/4	
1/2	43,656	1/2	33,125	1/2	22,630	1/2	12,100	1/2	1,602	1/2		1/2		1/2		1/2		1/2	
3/4	43,436	3/4	32,907	3/4	22,411	3/4	11,880	3/4	1,410	3/4		3/4		3/4		3/4		3/4	
6	43,217	6	32,688	6	22,191	6	11,661	6	1,218	6		6		6		6		6	
1/4	42,998	1/4	32,469	1/4	21,972	1/4	11,441	1/4	1,027	1/4		1/4		1/4		1/4		1/4	
1/2	42,778	1/2	32,250	1/2	21,752	1/2	11,222	1/2	889	1/2		1/2		1/2		1/2		1/2	
3/4	42,559	3/4	32,031	3/4	21,533	3/4	11,003	3/4	752	3/4		3/4		3/4		3/4		3/4	
7	42,340	7	31,812	7	21,314	7	10,783	7		7		7		7		7		7	
1/4	42,120	1/4	31,593	1/4	21,094	1/4	10,564	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	41,901	1/2	31,374	1/2	20,875	1/2	10,344	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	41,681	3/4	31,156	3/4	20,655	3/4	10,125	3/4		3/4		3/4		3/4		3/4		3/4	
8	41,462	8	30,938	8	20,436	8	9,906	8		8		8		8		8		8	
1/4	41,243	1/4	30,719	1/4	20,217	1/4	9,686	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	41,023	1/2	30,501	1/2	19,997	1/2	9,467	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	40,804	3/4	30,282	3/4	19,778	3/4	9,248	3/4		3/4		3/4		3/4		3/4		3/4	
9	40,584	9	30,064	9	19,559	9	9,028	9		9		9		9		9		9	
1/4	40,365	1/4	29,846	1/4	19,339	1/4	8,809	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	40,146	1/2	29,627	1/2	19,120	1/2	8,589	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	39,926	3/4	29,409	3/4	18,900	3/4	8,370	3/4		3/4		3/4		3/4		3/4		3/4	
10	39,707	10	29,190	10	18,681	10	8,151	10		10		10		10		10		10	
1/4	39,487	1/4	28,972	1/4	18,462	1/4	7,931	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	39,268	1/2	28,754	1/2	18,242	1/2	7,712	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	39,049	3/4	28,535	3/4	18,023	3/4	7,493	3/4		3/4		3/4		3/4		3/4		3/4	
11	38,829	11	28,317	11	17,804	11	7,273	11		11		11		11		11		11	
1/4	38,610	1/4	28,099	1/4	17,584	1/4	7,054	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	38,390	1/2	27,880	1/2	17,365	1/2	6,834	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	38,171	3/4	27,662	3/4	17,145	3/4	6,615	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/09/2019 CL  
CALCULATED: 12/09/2019 CL  
PRINTED: 12/10/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

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



# BARGE "CBC 1706"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-07"

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	122,072	0	111,575	0	101,053	0	90,526	0	79,995	0	69,465	0	58,934
1/4		1/4		1/4		1/4	121,853	1/4	111,356	1/4	100,834	1/4	90,307	1/4	79,776	1/4	68,245	1/4	58,714
1/2		1/2		1/2		1/2	121,634	1/2	111,138	1/2	100,614	1/2	90,087	1/2	79,557	1/2	68,026	1/2	58,495
3/4		3/4		3/4	131,508	3/4	121,416	3/4	110,919	3/4	100,395	3/4	89,868	3/4	79,337	3/4	68,806	3/4	58,276
1		1		1	131,364	1	121,197	1	110,700	1	100,176	1	89,649	1	79,118	1	68,587	1	58,056
1/4		1/4		1/4	131,220	1/4	120,978	1/4	110,482	1/4	99,957	1/4	89,429	1/4	78,898	1/4	68,368	1/4	57,837
1/2		1/2		1/2	131,076	1/2	120,760	1/2	110,263	1/2	99,737	1/2	89,210	1/2	78,679	1/2	68,148	1/2	57,617
3/4		3/4		3/4	130,896	3/4	120,541	3/4	110,044	3/4	99,518	3/4	88,990	3/4	78,460	3/4	67,929	3/4	57,398
2		2		2	130,716	2	120,322	2	109,825	2	99,299	2	88,771	2	78,240	2	67,709	2	57,179
1/4		1/4		1/4	130,535	1/4	120,104	1/4	109,605	1/4	99,079	1/4	88,552	1/4	78,021	1/4	67,490	1/4	56,959
1/2		1/2		1/2	130,355	1/2	119,885	1/2	109,386	1/2	98,860	1/2	88,332	1/2	77,801	1/2	67,271	1/2	56,740
3/4		3/4		3/4	130,143	3/4	119,666	3/4	109,167	3/4	98,641	3/4	88,113	3/4	77,582	3/4	67,051	3/4	56,520
3		3		3	129,931	3	119,448	3	108,947	3	98,422	3	87,893	3	77,363	3	66,832	3	56,301
1/4		1/4		1/4	129,718	1/4	119,229	1/4	108,728	1/4	98,202	1/4	87,674	1/4	77,143	1/4	66,612	1/4	56,082
1/2		1/2		1/2	129,506	1/2	119,010	1/2	108,509	1/2	97,983	1/2	87,455	1/2	76,924	1/2	66,393	1/2	55,862
3/4		3/4		3/4	129,288	3/4	118,792	3/4	108,289	3/4	97,764	3/4	87,235	3/4	76,704	3/4	66,174	3/4	55,643
4		4		4	129,069	4	118,573	4	108,070	4	97,544	4	87,016	4	76,485	4	65,954	4	55,423
1/4		1/4		1/4	128,851	1/4	118,354	1/4	107,851	1/4	97,325	1/4	86,796	1/4	76,266	1/4	65,735	1/4	55,204
1/2		1/2		1/2	128,632	1/2	118,135	1/2	107,632	1/2	97,106	1/2	86,577	1/2	76,046	1/2	65,515	1/2	54,985
3/4		3/4		3/4	128,413	3/4	117,917	3/4	107,412	3/4	96,887	3/4	86,358	3/4	75,827	3/4	65,296	3/4	54,765
5		5		5	128,195	5	117,698	5	107,193	5	96,667	5	86,138	5	75,607	5	65,077	5	54,546
1/4		1/4		1/4	127,976	1/4	117,479	1/4	106,974	1/4	96,448	1/4	85,919	1/4	75,388	1/4	64,857	1/4	54,326
1/2		1/2		1/2	127,757	1/2	117,261	1/2	106,754	1/2	96,229	1/2	85,700	1/2	75,169	1/2	64,638	1/2	54,107
3/4		3/4		3/4	127,539	3/4	117,042	3/4	106,535	3/4	96,009	3/4	85,480	3/4	74,949	3/4	64,419	3/4	53,888
6		6		6	127,320	6	116,823	6	106,316	6	95,790	6	85,261	6	74,730	6	64,199	6	53,668
1/4		1/4		1/4	127,101	1/4	116,605	1/4	106,097	1/4	95,571	1/4	85,041	1/4	74,511	1/4	63,980	1/4	53,449
1/2		1/2		1/2	126,883	1/2	116,386	1/2	105,877	1/2	95,352	1/2	84,822	1/2	74,291	1/2	63,760	1/2	53,230
3/4		3/4		3/4	126,664	3/4	116,167	3/4	105,658	3/4	95,132	3/4	84,603	3/4	74,072	3/4	63,541	3/4	53,010
7		7		7	126,445	7	115,949	7	105,439	7	94,913	7	84,383	7	73,852	7	63,322	7	52,791
1/4		1/4		1/4	126,227	1/4	115,730	1/4	105,219	1/4	94,694	1/4	84,164	1/4	73,633	1/4	63,102	1/4	52,571
1/2		1/2		1/2	126,008	1/2	115,511	1/2	105,000	1/2	94,474	1/2	83,944	1/2	73,414	1/2	62,883	1/2	52,352
3/4		3/4		3/4	125,789	3/4	115,293	3/4	104,781	3/4	94,255	3/4	83,725	3/4	73,194	3/4	62,663	3/4	52,133
8		8		8	125,570	8	115,074	8	104,562	8	94,036	8	83,506	8	72,975	8	62,444	8	51,913
1/4		1/4		1/4	125,352	1/4	114,855	1/4	104,342	1/4	93,816	1/4	83,286	1/4	72,755	1/4	62,225	1/4	51,694
1/2		1/2		1/2	125,133	1/2	114,637	1/2	104,123	1/2	93,597	1/2	83,067	1/2	72,536	1/2	62,005	1/2	51,474
3/4		3/4		3/4	124,914	3/4	114,418	3/4	103,904	3/4	93,378	3/4	82,847	3/4	72,317	3/4	61,786	3/4	51,255
9		9		9	124,696	9	114,199	9	103,684	9	93,159	9	82,628	9	72,097	9	61,566	9	51,036
1/4		1/4		1/4	124,477	1/4	113,981	1/4	103,465	1/4	92,939	1/4	82,409	1/4	71,878	1/4	61,347	1/4	50,816
1/2		1/2		1/2	124,258	1/2	113,762	1/2	103,246	1/2	92,720	1/2	82,189	1/2	71,658	1/2	61,128	1/2	50,597
3/4		3/4		3/4	124,040	3/4	113,543	3/4	103,027	3/4	92,501	3/4	81,970	3/4	71,439	3/4	60,908	3/4	50,377
10		10		10	123,821	10	113,325	10	102,807	10	92,281	10	81,750	10	71,220	10	60,689	10	50,158
1/4		1/4		1/4	123,602	1/4	113,106	1/4	102,588	1/4	92,062	1/4	81,531	1/4	71,000	1/4	60,469	1/4	49,939
1/2		1/2		1/2	123,384	1/2	112,887	1/2	102,369	1/2	91,842	1/2	81,312	1/2	70,781	1/2	60,250	1/2	49,719
3/4		3/4		3/4	123,165	3/4	112,669	3/4	102,149	3/4	91,623	3/4	81,092	3/4	70,561	3/4	60,031	3/4	49,500
11		11		11	122,946	11	112,450	11	101,930	11	91,404	11	80,873	11	70,342	11	59,811	11	49,280
1/4		1/4		1/4	122,728	1/4	112,231	1/4	101,711	1/4	91,184	1/4	80,654	1/4	70,123	1/4	59,592	1/4	49,061
1/2		1/2		1/2	122,509	1/2	112,013	1/2	101,492	1/2	90,965	1/2	80,434	1/2	69,903	1/2	59,373	1/2	48,842
3/4		3/4		3/4	122,290	3/4	111,794	3/4	101,272	3/4	90,746	3/4	80,215	3/4	69,684	3/4	59,153	3/4	48,622

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 14'-09" OFF CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
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 Pearland, Texas 77588  
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# BARGE "CBC 1706"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-07"

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	48,403	0	37,872	0	27,557	0	17,145	0	6,615	0		0		0		0		0	
1/4	48,184	1/4	37,653	1/4	27,346	1/4	16,926	1/4	6,396	1/4		1/4		1/4		1/4		1/4	
1/2	47,964	1/2	37,433	1/2	27,135	1/2	16,707	1/2	6,176	1/2		1/2		1/2		1/2		1/2	
3/4	47,745	3/4	37,214	3/4	26,924	3/4	16,487	3/4	5,957	3/4		3/4		3/4		3/4		3/4	
1	47,525	1	36,995	1	26,713	1	16,268	1	5,737	1		1		1		1		1	
1/4	47,306	1/4	36,775	1/4	26,503	1/4	16,048	1/4	5,518	1/4		1/4		1/4		1/4		1/4	
1/2	47,087	1/2	36,556	1/2	26,292	1/2	15,829	1/2	5,299	1/2		1/2		1/2		1/2		1/2	
3/4	46,867	3/4	36,336	3/4	26,081	3/4	15,610	3/4	5,079	3/4		3/4		3/4		3/4		3/4	
2	46,648	2	36,117	2	25,870	2	15,390	2	4,860	2		2		2		2		2	
1/4	46,428	1/4	35,898	1/4	25,659	1/4	15,171	1/4	4,641	1/4		1/4		1/4		1/4		1/4	
1/2	46,209	1/2	35,678	1/2	25,448	1/2	14,952	1/2	4,421	1/2		1/2		1/2		1/2		1/2	
3/4	45,990	3/4	35,459	3/4	25,237	3/4	14,732	3/4	4,202	3/4		3/4		3/4		3/4		3/4	
3	45,770	3	35,239	3	25,026	3	14,513	3	3,982	3		3		3		3		3	
1/4	45,551	1/4	35,020	1/4	24,815	1/4	14,293	1/4	3,763	1/4		1/4		1/4		1/4		1/4	
1/2	45,331	1/2	34,801	1/2	24,604	1/2	14,074	1/2	3,544	1/2		1/2		1/2		1/2		1/2	
3/4	45,112	3/4	34,581	3/4	24,385	3/4	13,855	3/4	3,325	3/4		3/4		3/4		3/4		3/4	
4	44,893	4	34,362	4	24,166	4	13,635	4	3,106	4		4		4		4		4	
1/4	44,673	1/4	34,142	1/4	23,946	1/4	13,416	1/4	2,887	1/4		1/4		1/4		1/4		1/4	
1/2	44,454	1/2	33,923	1/2	23,727	1/2	13,196	1/2	2,668	1/2		1/2		1/2		1/2		1/2	
3/4	44,234	3/4	33,704	3/4	23,507	3/4	12,977	3/4	2,449	3/4		3/4		3/4		3/4		3/4	
5	44,015	5	33,484	5	23,288	5	12,758	5	2,231	5		5		5		5		5	
1/4	43,796	1/4	33,265	1/4	23,069	1/4	12,538	1/4	2,013	1/4		1/4		1/4		1/4		1/4	
1/2	43,576	1/2	33,045	1/2	22,849	1/2	12,319	1/2	1,794	1/2		1/2		1/2		1/2		1/2	
3/4	43,357	3/4	32,834	3/4	22,630	3/4	12,100	3/4	1,602	3/4		3/4		3/4		3/4		3/4	
6	43,138	6	32,622	6	22,411	6	11,880	6	1,410	6		6		6		6		6	
1/4	42,918	1/4	32,411	1/4	22,191	1/4	11,661	1/4	1,218	1/4		1/4		1/4		1/4		1/4	
1/2	42,699	1/2	32,200	1/2	21,972	1/2	11,441	1/2	1,027	1/2		1/2		1/2		1/2		1/2	
3/4	42,479	3/4	31,988	3/4	21,752	3/4	11,222	3/4	889	3/4		3/4		3/4		3/4		3/4	
7	42,260	7	31,777	7	21,533	7	11,003	7	752	7		7		7		7		7	
1/4	42,041	1/4	31,565	1/4	21,314	1/4	10,783	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	41,821	1/2	31,354	1/2	21,094	1/2	10,564	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	41,602	3/4	31,143	3/4	20,875	3/4	10,345	3/4		3/4		3/4		3/4		3/4		3/4	
8	41,382	8	30,932	8	20,655	8	10,125	8		8		8		8		8		8	
1/4	41,163	1/4	30,721	1/4	20,436	1/4	9,906	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	40,944	1/2	30,510	1/2	20,217	1/2	9,686	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	40,724	3/4	30,299	3/4	19,997	3/4	9,467	3/4		3/4		3/4		3/4		3/4		3/4	
9	40,505	9	30,088	9	19,778	9	9,248	9		9		9		9		9		9	
1/4	40,285	1/4	29,877	1/4	19,559	1/4	9,028	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	40,066	1/2	29,666	1/2	19,339	1/2	8,809	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	39,847	3/4	29,455	3/4	19,120	3/4	8,589	3/4		3/4		3/4		3/4		3/4		3/4	
10	39,627	10	29,244	10	18,900	10	8,370	10		10		10		10		10		10	
1/4	39,408	1/4	29,034	1/4	18,681	1/4	8,151	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	39,188	1/2	28,823	1/2	18,462	1/2	7,931	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	38,969	3/4	28,612	3/4	18,242	3/4	7,712	3/4		3/4		3/4		3/4		3/4		3/4	
11	38,750	11	28,401	11	18,023	11	7,493	11		11		11		11		11		11	
1/4	38,530	1/4	28,190	1/4	17,804	1/4	7,273	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	38,311	1/2	27,979	1/2	17,584	1/2	7,054	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	38,091	3/4	27,768	3/4	17,365	3/4	6,834	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/09/2019 CL  
CALCULATED: 12/09/2019 CL  
PRINTED: 12/10/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

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



# BARGE "CBC 1706"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 1/2"

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	221,753	0	203,108	0	184,448	0	165,778	0	147,100	0	128,421	0	109,742		
1/4	1/4	1/4	1/4	1/4	221,364	1/4	202,720	1/4	184,059	1/4	165,389	1/4	146,711	1/4	128,032	1/4	109,352		
1/2	1/2	1/2	1/2	1/2	235,694	1/2	220,976	1/2	202,331	1/2	183,670	1/2	165,000	1/2	146,322	1/2	127,643	1/2	108,963
3/4	3/4	3/4	3/4	3/4	235,629	3/4	220,587	3/4	201,943	3/4	183,281	3/4	164,611	3/4	145,932	3/4	127,254	3/4	108,574
1	1	1	1	1	235,565	1	220,199	1	201,555	1	182,892	1	164,222	1	145,543	1	126,865	1	108,185
1/4	1/4	1/4	1/4	1/4	235,501	1/4	219,811	1/4	201,166	1/4	182,503	1/4	163,833	1/4	145,154	1/4	126,475	1/4	107,796
1/2	1/2	1/2	1/2	1/2	235,437	1/2	219,422	1/2	200,778	1/2	182,114	1/2	163,444	1/2	144,765	1/2	126,086	1/2	107,407
3/4	3/4	3/4	3/4	3/4	235,308	3/4	219,034	3/4	200,389	3/4	181,725	3/4	163,054	3/4	144,376	3/4	125,697	3/4	107,017
2	2	2	2	2	235,179	2	218,645	2	200,001	2	181,336	2	162,665	2	143,987	2	125,308	2	106,628
1/4	1/4	1/4	1/4	1/4	235,050	1/4	218,257	1/4	199,612	1/4	180,947	1/4	162,276	1/4	143,598	1/4	124,919	1/4	106,239
1/2	1/2	1/2	1/2	1/2	234,921	1/2	217,868	1/2	199,224	1/2	180,558	1/2	161,887	1/2	143,208	1/2	124,530	1/2	105,850
3/4	3/4	3/4	3/4	3/4	234,727	3/4	217,480	3/4	198,836	3/4	180,169	3/4	161,498	3/4	142,819	3/4	124,140	3/4	105,461
3	3	3	3	3	234,533	3	217,092	3	198,447	3	179,780	3	161,109	3	142,430	3	123,751	3	105,072
1/4	1/4	1/4	1/4	1/4	234,340	1/4	216,703	1/4	198,059	1/4	179,392	1/4	160,720	1/4	142,041	1/4	123,362	1/4	104,683
1/2	1/2	1/2	1/2	1/2	234,146	1/2	216,315	1/2	197,670	1/2	179,003	1/2	160,330	1/2	141,652	1/2	122,973	1/2	104,293
3/4	3/4	3/4	3/4	3/4	233,887	3/4	215,926	3/4	197,282	3/4	178,614	3/4	159,941	3/4	141,263	3/4	122,584	3/4	103,904
4	4	4	4	4	233,628	4	215,538	4	196,894	4	178,225	4	159,552	4	140,874	4	122,195	4	103,515
1/4	1/4	1/4	1/4	1/4	233,370	1/4	215,149	1/4	196,505	1/4	177,836	1/4	159,163	1/4	140,484	1/4	121,806	1/4	103,126
1/2	1/2	1/2	1/2	1/2	233,111	1/2	214,761	1/2	196,117	1/2	177,447	1/2	158,774	1/2	140,095	1/2	121,416	1/2	102,737
3/4	3/4	3/4	3/4	3/4	232,787	3/4	214,373	3/4	195,728	3/4	177,058	3/4	158,385	3/4	139,706	3/4	121,027	3/4	102,348
5	5	5	5	5	232,464	5	213,984	5	195,339	5	176,669	5	157,996	5	139,317	5	120,638	5	101,958
1/4	1/4	1/4	1/4	1/4	232,140	1/4	213,596	1/4	194,950	1/4	176,280	1/4	157,607	1/4	138,928	1/4	120,249	1/4	101,569
1/2	1/2	1/2	1/2	1/2	231,817	1/2	213,207	1/2	194,561	1/2	175,891	1/2	157,217	1/2	138,539	1/2	119,860	1/2	101,180
3/4	3/4	3/4	3/4	3/4	231,437	3/4	212,819	3/4	194,172	3/4	175,502	3/4	156,828	3/4	138,150	3/4	119,471	3/4	100,791
6	6	6	6	6	231,057	6	212,430	6	193,783	6	175,113	6	156,439	6	137,760	6	119,081	6	100,402
1/4	1/4	1/4	1/4	1/4	230,677	1/4	212,042	1/4	193,394	1/4	174,724	1/4	156,050	1/4	137,371	1/4	118,692	1/4	100,013
1/2	1/2	1/2	1/2	1/2	230,297	1/2	211,654	1/2	193,005	1/2	174,335	1/2	155,661	1/2	136,982	1/2	118,303	1/2	99,623
3/4	3/4	3/4	3/4	3/4	229,909	3/4	211,265	3/4	192,616	3/4	173,946	3/4	155,272	3/4	136,593	3/4	117,914	3/4	99,234
7	7	7	7	7	229,521	7	210,877	7	192,227	7	173,557	7	154,883	7	136,204	7	117,525	7	98,845
1/4	1/4	1/4	1/4	1/4	229,133	1/4	210,488	1/4	191,838	1/4	173,168	1/4	154,493	1/4	135,815	1/4	117,136	1/4	98,456
1/2	1/2	1/2	1/2	1/2	228,744	1/2	210,100	1/2	191,449	1/2	172,779	1/2	154,104	1/2	135,426	1/2	116,746	1/2	98,067
3/4	3/4	3/4	3/4	3/4	228,356	3/4	209,712	3/4	191,060	3/4	172,390	3/4	153,715	3/4	135,037	3/4	116,357	3/4	97,678
8	8	8	8	8	227,967	8	209,323	8	190,671	8	172,001	8	153,326	8	134,647	8	115,968	8	97,289
1/4	1/4	1/4	1/4	1/4	227,579	1/4	208,935	1/4	190,282	1/4	171,612	1/4	152,937	1/4	134,258	1/4	115,579	1/4	96,899
1/2	1/2	1/2	1/2	1/2	227,191	1/2	208,546	1/2	189,893	1/2	171,223	1/2	152,548	1/2	133,869	1/2	115,190	1/2	96,510
3/4	3/4	3/4	3/4	3/4	226,802	3/4	208,158	3/4	189,504	3/4	170,834	3/4	152,159	3/4	133,480	3/4	114,801	3/4	96,121
9	9	9	9	9	226,414	9	207,769	9	189,115	9	170,446	9	151,769	9	133,091	9	114,411	9	95,732
1/4	1/4	1/4	1/4	1/4	226,025	1/4	207,381	1/4	188,727	1/4	170,057	1/4	151,380	1/4	132,702	1/4	114,022	1/4	95,343
1/2	1/2	1/2	1/2	1/2	225,637	1/2	206,993	1/2	188,338	1/2	169,668	1/2	150,991	1/2	132,313	1/2	113,633	1/2	94,954
3/4	3/4	3/4	3/4	3/4	225,248	3/4	206,604	3/4	187,949	3/4	169,279	3/4	150,602	3/4	131,923	3/4	113,244	3/4	94,564
10	10	10	10	10	224,860	10	206,216	10	187,560	10	168,890	10	150,213	10	131,534	10	112,855	10	94,175
1/4	1/4	1/4	1/4	1/4	224,472	1/4	205,827	1/4	187,171	1/4	168,501	1/4	149,824	1/4	131,145	1/4	112,466	1/4	93,786
1/2	1/2	1/2	1/2	1/2	224,083	1/2	205,439	1/2	186,782	1/2	168,112	1/2	149,435	1/2	130,756	1/2	112,077	1/2	93,397
3/4	3/4	3/4	3/4	3/4	223,695	3/4	205,050	3/4	186,393	3/4	167,723	3/4	149,045	3/4	130,367	3/4	111,687	3/4	93,008
11	11	11	11	11	223,306	11	204,662	11	186,004	11	167,334	11	148,656	11	129,978	11	111,298	11	92,619
1/4	1/4	1/4	1/4	1/4	222,918	1/4	204,274	1/4	185,615	1/4	166,945	1/4	148,267	1/4	129,589	1/4	110,909	1/4	92,229
1/2	1/2	1/2	1/2	1/2	222,529	1/2	203,885	1/2	185,226	1/2	166,556	1/2	147,878	1/2	129,199	1/2	110,520	1/2	91,840
3/4	3/4	3/4	3/4	3/4	222,141	3/4	203,497	3/4	184,837	3/4	166,167	3/4	147,489	3/4	128,810	3/4	110,131	3/4	91,451

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 1'-03" OFF CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD

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



# BARGE "CBC 1706"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 1/2"

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	91,062	0	72,382	0	53,711	0	35,052	0	16,373	0	137	0		0		0		0	
1/4	90,673	1/4	71,993	1/4	53,322	1/4	34,663	1/4	15,984	1/4	88	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,284	1/2	71,604	1/2	52,934	1/2	34,274	1/2	15,595	1/2	39	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,895	3/4	71,215	3/4	52,546	3/4	33,885	3/4	15,206	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	89,505	1	70,826	1	52,157	1	33,496	1	14,817	1		1	1	1	1	1	1	1	1
1/4	89,116	1/4	70,437	1/4	51,769	1/4	33,107	1/4	14,427	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,727	1/2	70,047	1/2	51,381	1/2	32,717	1/2	14,038	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,338	3/4	69,658	3/4	50,992	3/4	32,328	3/4	13,649	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	87,949	2	69,269	2	50,604	2	31,939	2	13,260	2		2	2	2	2	2	2	2	2
1/4	87,560	1/4	68,880	1/4	50,216	1/4	31,550	1/4	12,871	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,170	1/2	68,491	1/2	49,827	1/2	31,161	1/2	12,482	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,781	3/4	68,102	3/4	49,439	3/4	30,772	3/4	12,093	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	86,392	3	67,712	3	49,051	3	30,383	3	11,703	3		3	3	3	3	3	3	3	3
1/4	86,003	1/4	67,323	1/4	48,662	1/4	29,993	1/4	11,314	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,614	1/2	66,934	1/2	48,274	1/2	29,604	1/2	10,925	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,225	3/4	66,545	3/4	47,886	3/4	29,215	3/4	10,536	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	84,835	4	66,156	4	47,497	4	28,826	4	10,147	4		4	4	4	4	4	4	4	4
1/4	84,446	1/4	65,767	1/4	47,109	1/4	28,437	1/4	9,758	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,057	1/2	65,378	1/2	46,720	1/2	28,048	1/2	9,369	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,668	3/4	64,988	3/4	46,332	3/4	27,659	3/4	8,979	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	83,279	5	64,599	5	45,944	5	27,269	5	8,590	5		5	5	5	5	5	5	5	5
1/4	82,890	1/4	64,210	1/4	45,555	1/4	26,880	1/4	8,201	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,501	1/2	63,821	1/2	45,167	1/2	26,491	1/2	7,812	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,111	3/4	63,432	3/4	44,779	3/4	26,102	3/4	7,423	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	81,722	6	63,043	6	44,390	6	25,713	6	7,034	6		6	6	6	6	6	6	6	6
1/4	81,333	1/4	62,653	1/4	44,002	1/4	25,324	1/4	6,645	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,944	1/2	62,264	1/2	43,614	1/2	24,934	1/2	6,256	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,555	3/4	61,875	3/4	43,225	3/4	24,545	3/4	5,867	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	80,166	7	61,486	7	42,835	7	24,156	7	5,478	7		7	7	7	7	7	7	7	7
1/4	79,776	1/4	61,097	1/4	42,446	1/4	23,767	1/4	5,090	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,387	1/2	60,708	1/2	42,057	1/2	23,378	1/2	4,701	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,998	3/4	60,318	3/4	41,668	3/4	22,989	3/4	4,314	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	78,609	8	59,929	8	41,279	8	22,600	8	3,927	8		8	8	8	8	8	8	8	8
1/4	78,220	1/4	59,540	1/4	40,890	1/4	22,210	1/4	3,539	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,831	1/2	59,151	1/2	40,500	1/2	21,821	1/2	3,152	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,441	3/4	58,762	3/4	40,111	3/4	21,432	3/4	2,812	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	77,052	9	58,373	9	39,722	9	21,043	9	2,471	9		9	9	9	9	9	9	9	9
1/4	76,663	1/4	57,985	1/4	39,333	1/4	20,654	1/4	2,131	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,274	1/2	57,596	1/2	38,944	1/2	20,265	1/2	1,790	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,885	3/4	57,207	3/4	38,555	3/4	19,876	3/4	1,547	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	75,496	10	56,818	10	38,166	10	19,486	10	1,304	10		10	10	10	10	10	10	10	10
1/4	75,106	1/4	56,430	1/4	37,776	1/4	19,097	1/4	1,061	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,717	1/2	56,041	1/2	37,387	1/2	18,708	1/2	818	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,328	3/4	55,653	3/4	36,998	3/4	18,319	3/4	672	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	73,939	11	55,264	11	36,609	11	17,930	11	526	11		11	11	11	11	11	11	11	11
1/4	73,550	1/4	54,876	1/4	36,220	1/4	17,541	1/4	380	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,161	1/2	54,487	1/2	35,831	1/2	17,152	1/2	234	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,772	3/4	54,099	3/4	35,442	3/4	16,762	3/4	185	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: 12/09/2019 CL  
CALCULATED: 12/09/2019 CL  
PRINTED: 12/10/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019

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