



# BARGE "CBC 1406"

## 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>	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-3/8	- 02-3/8
<b>2 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
<b>3 CENTER</b>	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4

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

LENGTH BETWEEN DRAFT MARKS: 178'-06"

October 19, 2018

**PRECISION MEASUREMENT  
 & ANALYSIS, INC.**  
 P.O. Box 2092  
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# BARGE "CBC 1406"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	8,717	0	20,343	0	31,787	0	43,270	0	54,869	0	66,468	0	78,043	0	89,620	0	101,223
1/4	60	1/4	8,959	1/4	20,585	1/4	32,021	1/4	43,512	1/4	55,111	1/4	66,709	1/4	78,283	1/4	89,862	1/4	101,465
1/2	80	1/2	9,201	1/2	20,828	1/2	32,256	1/2	43,754	1/2	55,352	1/2	66,951	1/2	78,524	1/2	90,104	1/2	101,707
3/4	100	3/4	9,443	3/4	21,070	3/4	32,490	3/4	43,995	3/4	55,594	3/4	67,192	3/4	78,764	3/4	90,345	3/4	101,949
1	120	1	9,686	1	21,312	1	32,724	1	44,237	1	55,835	1	67,434	1	79,004	1	90,587	1	102,190
1/4	181	1/4	9,928	1/4	21,554	1/4	32,959	1/4	44,479	1/4	56,077	1/4	67,676	1/4	79,244	1/4	90,829	1/4	102,432
1/2	241	1/2	10,170	1/2	21,797	1/2	33,193	1/2	44,720	1/2	56,319	1/2	67,917	1/2	79,485	1/2	91,071	1/2	102,674
3/4	302	3/4	10,412	3/4	22,039	3/4	33,428	3/4	44,962	3/4	56,560	3/4	68,159	3/4	79,725	3/4	91,312	3/4	102,915
2	362	2	10,654	2	22,281	2	33,662	2	45,203	2	56,802	2	68,401	2	79,965	2	91,554	2	103,157
1/4	463	1/4	10,897	1/4	22,523	1/4	33,897	1/4	45,445	1/4	57,044	1/4	68,642	1/4	80,206	1/4	91,796	1/4	103,399
1/2	564	1/2	11,139	1/2	22,765	1/2	34,131	1/2	45,687	1/2	57,285	1/2	68,884	1/2	80,446	1/2	92,038	1/2	103,641
3/4	665	3/4	11,381	3/4	23,008	3/4	34,366	3/4	45,928	3/4	57,527	3/4	69,126	3/4	80,686	3/4	92,279	3/4	103,882
3	766	3	11,623	3	23,250	3	34,600	3	46,170	3	57,769	3	69,367	3	80,926	3	92,521	3	104,124
1/4	907	1/4	11,866	1/4	23,492	1/4	34,835	1/4	46,412	1/4	58,010	1/4	69,609	1/4	81,167	1/4	92,763	1/4	104,366
1/2	1,049	1/2	12,108	1/2	23,734	1/2	35,069	1/2	46,653	1/2	58,252	1/2	69,851	1/2	81,407	1/2	93,004	1/2	104,608
3/4	1,190	3/4	12,350	3/4	23,977	3/4	35,303	3/4	46,895	3/4	58,494	3/4	70,092	3/4	81,647	3/4	93,246	3/4	104,849
4	1,331	4	12,592	4	24,219	4	35,538	4	47,137	4	58,735	4	70,334	4	81,888	4	93,488	4	105,091
1/4	1,513	1/4	12,834	1/4	24,461	1/4	35,780	1/4	47,378	1/4	58,977	1/4	70,575	1/4	82,129	1/4	93,730	1/4	105,333
1/2	1,694	1/2	13,077	1/2	24,703	1/2	36,021	1/2	47,620	1/2	59,218	1/2	70,817	1/2	82,370	1/2	93,971	1/2	105,574
3/4	1,876	3/4	13,319	3/4	24,945	3/4	36,263	3/4	47,861	3/4	59,460	3/4	71,059	3/4	82,610	3/4	94,213	3/4	105,816
5	2,058	5	13,561	5	25,188	5	36,504	5	48,103	5	59,702	5	71,300	5	82,851	5	94,455	5	106,058
1/4	2,279	1/4	13,803	1/4	25,430	1/4	36,746	1/4	48,345	1/4	59,943	1/4	71,542	1/4	83,093	1/4	94,697	1/4	106,300
1/2	2,500	1/2	14,045	1/2	25,672	1/2	36,988	1/2	48,586	1/2	60,185	1/2	71,784	1/2	83,335	1/2	94,938	1/2	106,541
3/4	2,722	3/4	14,288	3/4	25,914	3/4	37,229	3/4	48,828	3/4	60,427	3/4	72,025	3/4	83,577	3/4	95,180	3/4	106,783
6	2,943	6	14,530	6	26,157	6	37,471	6	49,070	6	60,668	6	72,267	6	83,818	6	95,422	6	107,025
1/4	3,180	1/4	14,772	1/4	26,391	1/4	37,713	1/4	49,311	1/4	60,910	1/4	72,508	1/4	84,060	1/4	95,663	1/4	107,267
1/2	3,418	1/2	15,014	1/2	26,626	1/2	37,954	1/2	49,553	1/2	61,152	1/2	72,749	1/2	84,302	1/2	95,905	1/2	107,508
3/4	3,655	3/4	15,257	3/4	26,861	3/4	38,196	3/4	49,795	3/4	61,393	3/4	72,990	3/4	84,544	3/4	96,147	3/4	107,750
7	3,893	7	15,499	7	27,096	7	38,438	7	50,036	7	61,635	7	73,231	7	84,785	7	96,389	7	107,992
1/4	4,132	1/4	15,741	1/4	27,331	1/4	38,679	1/4	50,278	1/4	61,876	1/4	73,472	1/4	85,027	1/4	96,630	1/4	108,234
1/2	4,372	1/2	15,983	1/2	27,566	1/2	38,921	1/2	50,519	1/2	62,118	1/2	73,713	1/2	85,269	1/2	96,872	1/2	108,475
3/4	4,611	3/4	16,225	3/4	27,800	3/4	39,162	3/4	50,761	3/4	62,360	3/4	73,954	3/4	85,511	3/4	97,114	3/4	108,717
8	4,851	8	16,468	8	28,035	8	39,404	8	51,003	8	62,601	8	74,195	8	85,752	8	97,356	8	108,959
1/4	5,091	1/4	16,710	1/4	28,270	1/4	39,646	1/4	51,244	1/4	62,843	1/4	74,436	1/4	85,994	1/4	97,597	1/4	109,200
1/2	5,332	1/2	16,952	1/2	28,504	1/2	39,887	1/2	51,486	1/2	63,085	1/2	74,677	1/2	86,236	1/2	97,839	1/2	109,442
3/4	5,573	3/4	17,194	3/4	28,739	3/4	40,129	3/4	51,728	3/4	63,326	3/4	74,918	3/4	86,478	3/4	98,081	3/4	109,684
9	5,814	9	17,437	9	28,973	9	40,371	9	51,969	9	63,568	9	75,159	9	86,719	9	98,323	9	109,926
1/4	6,055	1/4	17,679	1/4	29,208	1/4	40,612	1/4	52,211	1/4	63,810	1/4	75,400	1/4	86,961	1/4	98,564	1/4	110,167
1/2	6,297	1/2	17,921	1/2	29,442	1/2	40,854	1/2	52,453	1/2	64,051	1/2	75,640	1/2	87,203	1/2	98,806	1/2	110,409
3/4	6,538	3/4	18,163	3/4	29,676	3/4	41,096	3/4	52,694	3/4	64,293	3/4	75,880	3/4	87,445	3/4	99,048	3/4	110,651
10	6,780	10	18,405	10	29,911	10	41,337	10	52,936	10	64,534	10	76,121	10	87,686	10	99,289	10	110,893
1/4	7,022	1/4	18,648	1/4	30,145	1/4	41,579	1/4	53,177	1/4	64,776	1/4	76,361	1/4	87,928	1/4	99,531	1/4	111,134
1/2	7,264	1/2	18,890	1/2	30,380	1/2	41,820	1/2	53,419	1/2	65,018	1/2	76,601	1/2	88,170	1/2	99,773	1/2	111,376
3/4	7,506	3/4	19,132	3/4	30,614	3/4	42,062	3/4	53,661	3/4	65,259	3/4	76,841	3/4	88,411	3/4	100,015	3/4	111,618
11	7,748	11	19,374	11	30,849	11	42,304	11	53,902	11	65,501	11	77,082	11	88,653	11	100,256	11	111,859
1/4	7,990	1/4	19,617	1/4	31,083	1/4	42,545	1/4	54,144	1/4	65,743	1/4	77,322	1/4	88,895	1/4	100,498	1/4	112,101
1/2	8,232	1/2	19,859	1/2	31,318	1/2	42,787	1/2	54,386	1/2	65,984	1/2	77,562	1/2	89,137	1/2	100,740	1/2	112,343
3/4	8,474	3/4	20,101	3/4	31,552	3/4	43,029	3/4	54,627	3/4	66,226	3/4	77,803	3/4	89,378	3/4	100,982	3/4	112,585

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 ON CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
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# BARGE "CBC 1406"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	113,068	1/4	122,545	1/4	130,677	1/4	138,809	1/4	146,941	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,309	1/2	122,714	1/2	130,846	1/2	138,978	1/2	147,110	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,550	3/4	122,884	3/4	131,016	3/4	139,148	3/4	147,280	3/4		3/4		3/4		3/4		3/4		3/4	
<b>1</b>	<b>113,791</b>	<b>1</b>	<b>123,053</b>	<b>1</b>	<b>131,185</b>	<b>1</b>	<b>139,317</b>	<b>1</b>	<b>147,449</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
1/4	114,032	1/4	123,223	1/4	131,355	1/4	139,487	1/4	147,619	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,273	1/2	123,392	1/2	131,524	1/2	139,656	1/2	147,788	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,515	3/4	123,562	3/4	131,694	3/4	139,825	3/4	147,957	3/4		3/4		3/4		3/4		3/4		3/4	
<b>2</b>	<b>114,756</b>	<b>2</b>	<b>123,731</b>	<b>2</b>	<b>131,863</b>	<b>2</b>	<b>139,995</b>	<b>2</b>	<b>148,127</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
1/4	114,997	1/4	123,900	1/4	132,032	1/4	140,164	1/4	148,296	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	115,238	1/2	124,070	1/2	132,202	1/2	140,334	1/2	148,466	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,479	3/4	124,239	3/4	132,371	3/4	140,503	3/4	148,635	3/4		3/4		3/4		3/4		3/4		3/4	
<b>3</b>	<b>115,720</b>	<b>3</b>	<b>124,409</b>	<b>3</b>	<b>132,541</b>	<b>3</b>	<b>140,673</b>	<b>3</b>	<b>148,805</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>
1/4	115,962	1/4	124,578	1/4	132,710	1/4	140,842	1/4	149,027	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	116,203	1/2	124,747	1/2	132,879	1/2	141,011	1/2	149,249	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	116,444	3/4	124,917	3/4	133,049	3/4	141,181	3/4	149,471	3/4		3/4		3/4		3/4		3/4		3/4	
<b>4</b>	<b>116,685</b>	<b>4</b>	<b>125,086</b>	<b>4</b>	<b>133,218</b>	<b>4</b>	<b>141,350</b>	<b>4</b>	<b>149,693</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
1/4	116,926	1/4	125,256	1/4	133,388	1/4	141,520	1/4	149,874	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	117,168	1/2	125,425	1/2	133,557	1/2	141,689	1/2	150,056	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	117,409	3/4	125,595	3/4	133,727	3/4	141,858	3/4	150,238	3/4		3/4		3/4		3/4		3/4		3/4	
<b>5</b>	<b>117,650</b>	<b>5</b>	<b>125,764</b>	<b>5</b>	<b>133,896</b>	<b>5</b>	<b>142,028</b>	<b>5</b>	<b>150,419</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>
1/4	117,818	1/4	125,933	1/4	134,065	1/4	142,197	1/4	150,561	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	117,987	1/2	126,103	1/2	134,235	1/2	142,367	1/2	150,702	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	118,155	3/4	126,272	3/4	134,404	3/4	142,536	3/4	150,843	3/4		3/4		3/4		3/4		3/4		3/4	
<b>6</b>	<b>118,323</b>	<b>6</b>	<b>126,442</b>	<b>6</b>	<b>134,574</b>	<b>6</b>	<b>142,706</b>	<b>6</b>	<b>150,985</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>
1/4	118,492	1/4	126,611	1/4	134,743	1/4	142,875	1/4	151,086	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	118,661	1/2	126,780	1/2	134,912	1/2	143,044	1/2	151,186	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	118,830	3/4	126,950	3/4	135,082	3/4	143,214	3/4	151,287	3/4		3/4		3/4		3/4		3/4		3/4	
<b>7</b>	<b>118,999</b>	<b>7</b>	<b>127,119</b>	<b>7</b>	<b>135,251</b>	<b>7</b>	<b>143,383</b>	<b>7</b>	<b>151,388</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>
1/4	119,168	1/4	127,289	1/4	135,421	1/4	143,553	1/4	151,449	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	119,336	1/2	127,458	1/2	135,590	1/2	143,722	1/2	151,509	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	119,505	3/4	127,628	3/4	135,760	3/4	143,891	3/4	151,570	3/4		3/4		3/4		3/4		3/4		3/4	
<b>8</b>	<b>119,674</b>	<b>8</b>	<b>127,797</b>	<b>8</b>	<b>135,929</b>	<b>8</b>	<b>144,061</b>	<b>8</b>	<b>151,631</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>
1/4	119,843	1/4	127,966	1/4	136,098	1/4	144,230	1/4	151,651	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120,012	1/2	128,136	1/2	136,268	1/2	144,400	1/2	151,671	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,181	3/4	128,305	3/4	136,437	3/4	144,569	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>9</b>	<b>120,349</b>	<b>9</b>	<b>128,475</b>	<b>9</b>	<b>136,607</b>	<b>9</b>	<b>144,739</b>	<b>9</b>	<b>151,691</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>
1/4	120,518	1/4	128,644	1/4	136,776	1/4	144,908	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120,687	1/2	128,813	1/2	136,945	1/2	145,077	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,856	3/4	128,983	3/4	137,115	3/4	145,247	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>10</b>	<b>121,025</b>	<b>10</b>	<b>129,152</b>	<b>10</b>	<b>137,284</b>	<b>10</b>	<b>145,416</b>	<b>10</b>	<b>151,743</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
1/4	121,194	1/4	129,322	1/4	137,454	1/4	145,586	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,363	1/2	129,491	1/2	137,623	1/2	145,755	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	121,531	3/4	129,661	3/4	137,793	3/4	145,924	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>11</b>	<b>121,700</b>	<b>11</b>	<b>129,830</b>	<b>11</b>	<b>137,962</b>	<b>11</b>	<b>146,094</b>	<b>11</b>	<b>151,795</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
1/4	121,869	1/4	129,999	1/4	138,131	1/4	146,263	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	122,038	1/2	130,169	1/2	138,301	1/2	146,433	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	122,207	3/4	130,338	3/4	138,470	3/4	146,602	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/19/2018 SW  
CALCULATED: 10/19/2018 CL  
PRINTED: 10/19/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2018

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



# BARGE "CBC 1406"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	10,054	0	23,473	0	36,729	0	49,985	0	63,404	0	76,823	0	90,241	0	103,660	0	117,079
1/4	63	1/4	10,334	1/4	23,752	1/4	37,000	1/4	50,264	1/4	63,683	1/4	77,102	1/4	90,521	1/4	103,940	1/4	117,359
1/2	86	1/2	10,613	1/2	24,032	1/2	37,271	1/2	50,544	1/2	63,963	1/2	77,382	1/2	90,801	1/2	104,219	1/2	117,638
3/4	109	3/4	10,893	3/4	24,311	3/4	37,543	3/4	50,823	3/4	64,242	3/4	77,661	3/4	91,080	3/4	104,499	3/4	117,918
1	132	1	11,172	1	24,591	1	37,814	1	51,103	1	64,522	1	77,941	1	91,360	1	104,779	1	118,197
1/4	202	1/4	11,452	1/4	24,870	1/4	38,085	1/4	51,383	1/4	64,801	1/4	78,220	1/4	91,639	1/4	105,058	1/4	118,477
1/2	272	1/2	11,732	1/2	25,150	1/2	38,357	1/2	51,662	1/2	65,081	1/2	78,500	1/2	91,919	1/2	105,338	1/2	118,757
3/4	342	3/4	12,011	3/4	25,430	3/4	38,628	3/4	51,942	3/4	65,361	3/4	78,779	3/4	92,198	3/4	105,617	3/4	119,036
2	412	2	12,291	2	25,709	2	38,899	2	52,221	2	65,640	2	79,059	2	92,478	2	105,897	2	119,316
1/4	528	1/4	12,570	1/4	25,989	1/4	39,171	1/4	52,501	1/4	65,920	1/4	79,339	1/4	92,757	1/4	106,176	1/4	119,595
1/2	645	1/2	12,850	1/2	26,268	1/2	39,442	1/2	52,780	1/2	66,199	1/2	79,618	1/2	93,037	1/2	106,456	1/2	119,875
3/4	761	3/4	13,129	3/4	26,548	3/4	39,713	3/4	53,060	3/4	66,479	3/4	79,898	3/4	93,317	3/4	106,735	3/4	120,154
3	878	3	13,409	3	26,827	3	39,985	3	53,339	3	66,758	3	80,177	3	93,596	3	107,015	3	120,434
1/4	1,041	1/4	13,688	1/4	27,107	1/4	40,256	1/4	53,619	1/4	67,038	1/4	80,457	1/4	93,876	1/4	107,295	1/4	120,713
1/2	1,204	1/2	13,968	1/2	27,386	1/2	40,527	1/2	53,899	1/2	67,317	1/2	80,736	1/2	94,155	1/2	107,574	1/2	120,993
3/4	1,367	3/4	14,248	3/4	27,666	3/4	40,799	3/4	54,178	3/4	67,597	3/4	81,016	3/4	94,435	3/4	107,854	3/4	121,273
4	1,530	4	14,527	4	27,946	4	41,070	4	54,458	4	67,877	4	81,295	4	94,714	4	108,133	4	121,552
1/4	1,740	1/4	14,807	1/4	28,225	1/4	41,342	1/4	54,737	1/4	68,156	1/4	81,575	1/4	94,994	1/4	108,413	1/4	121,832
1/2	1,949	1/2	15,086	1/2	28,505	1/2	41,614	1/2	55,017	1/2	68,436	1/2	81,855	1/2	95,273	1/2	108,692	1/2	122,111
3/4	2,159	3/4	15,366	3/4	28,784	3/4	41,885	3/4	55,296	3/4	68,715	3/4	82,134	3/4	95,553	3/4	108,972	3/4	122,391
5	2,369	5	15,645	5	29,064	5	42,157	5	55,576	5	68,995	5	82,414	5	95,833	5	109,252	5	122,670
1/4	2,624	1/4	15,925	1/4	29,343	1/4	42,437	1/4	55,855	1/4	69,274	1/4	82,693	1/4	96,112	1/4	109,531	1/4	122,950
1/2	2,880	1/2	16,204	1/2	29,623	1/2	42,716	1/2	56,135	1/2	69,554	1/2	82,973	1/2	96,392	1/2	109,811	1/2	123,230
3/4	3,135	3/4	16,484	3/4	29,902	3/4	42,996	3/4	56,415	3/4	69,834	3/4	83,252	3/4	96,671	3/4	110,090	3/4	123,509
6	3,391	6	16,763	6	30,182	6	43,275	6	56,694	6	70,113	6	83,532	6	96,951	6	110,370	6	123,789
1/4	3,665	1/4	17,043	1/4	30,461	1/4	43,555	1/4	56,974	1/4	70,393	1/4	83,812	1/4	97,230	1/4	110,649	1/4	124,068
1/2	3,939	1/2	17,323	1/2	30,741	1/2	43,834	1/2	57,253	1/2	70,672	1/2	84,091	1/2	97,510	1/2	110,929	1/2	124,348
3/4	4,213	3/4	17,602	3/4	31,021	3/4	44,114	3/4	57,533	3/4	70,952	3/4	84,371	3/4	97,790	3/4	111,208	3/4	124,627
7	4,487	7	17,882	7	31,300	7	44,394	7	57,812	7	71,231	7	84,650	7	98,069	7	111,488	7	124,907
1/4	4,763	1/4	18,161	1/4	31,572	1/4	44,673	1/4	58,092	1/4	71,511	1/4	84,930	1/4	98,349	1/4	111,768	1/4	125,186
1/2	5,040	1/2	18,441	1/2	31,844	1/2	44,953	1/2	58,372	1/2	71,790	1/2	85,209	1/2	98,628	1/2	112,047	1/2	125,466
3/4	5,316	3/4	18,720	3/4	32,115	3/4	45,232	3/4	58,651	3/4	72,070	3/4	85,489	3/4	98,908	3/4	112,327	3/4	125,746
8	5,593	8	19,000	8	32,387	8	45,512	8	58,931	8	72,350	8	85,768	8	99,187	8	112,606	8	126,025
1/4	5,870	1/4	19,279	1/4	32,658	1/4	45,791	1/4	59,210	1/4	72,629	1/4	86,048	1/4	99,467	1/4	112,886	1/4	126,305
1/2	6,148	1/2	19,559	1/2	32,930	1/2	46,071	1/2	59,490	1/2	72,909	1/2	86,328	1/2	99,746	1/2	113,165	1/2	126,584
3/4	6,426	3/4	19,839	3/4	33,201	3/4	46,350	3/4	59,769	3/4	73,188	3/4	86,607	3/4	100,026	3/4	113,445	3/4	126,864
9	6,704	9	20,118	9	33,472	9	46,630	9	60,049	9	73,468	9	86,887	9	100,306	9	113,724	9	127,143
1/4	6,983	1/4	20,398	1/4	33,744	1/4	46,910	1/4	60,328	1/4	73,747	1/4	87,166	1/4	100,585	1/4	114,004	1/4	127,423
1/2	7,261	1/2	20,677	1/2	34,015	1/2	47,189	1/2	60,608	1/2	74,027	1/2	87,446	1/2	100,865	1/2	114,284	1/2	127,702
3/4	7,540	3/4	20,957	3/4	34,286	3/4	47,469	3/4	60,888	3/4	74,306	3/4	87,725	3/4	101,144	3/4	114,563	3/4	127,982
10	7,819	10	21,236	10	34,558	10	47,748	10	61,167	10	74,586	10	88,005	10	101,424	10	114,843	10	128,262
1/4	8,098	1/4	21,516	1/4	34,829	1/4	48,028	1/4	61,447	1/4	74,866	1/4	88,284	1/4	101,703	1/4	115,122	1/4	128,541
1/2	8,378	1/2	21,795	1/2	35,100	1/2	48,307	1/2	61,726	1/2	75,145	1/2	88,564	1/2	101,983	1/2	115,402	1/2	128,821
3/4	8,657	3/4	22,075	3/4	35,372	3/4	48,587	3/4	62,006	3/4	75,425	3/4	88,844	3/4	102,262	3/4	115,681	3/4	129,101
11	8,936	11	22,355	11	35,643	11	48,866	11	62,285	11	75,704	11	89,123	11	102,542	11	115,961	11	129,380
1/4	9,216	1/4	22,634	1/4	35,915	1/4	49,146	1/4	62,565	1/4	75,984	1/4	89,403	1/4	102,822	1/4	116,241	1/4	129,659
1/2	9,495	1/2	22,914	1/2	36,186	1/2	49,426	1/2	62,844	1/2	76,263	1/2	89,682	1/2	103,101	1/2	116,520	1/2	129,939
3/4	9,775	3/4	23,193	3/4	36,457	3/4	49,705	3/4	63,124	3/4	76,543	3/4	89,962	3/4	103,381	3/4	116,800	3/4	130,219

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 ON CENTERLINE AND 36'-06" FORWARD OF AFT BULKHEAD

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



# BARGE "CBC 1406"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	130,778	1/4	144,197	1/4	157,615	1/4	171,034	1/4	184,453	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	131,057	1/2	144,476	1/2	157,895	1/2	171,314	1/2	184,733	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	131,337	3/4	144,756	3/4	158,175	3/4	171,593	3/4	185,012	3/4		3/4		3/4		3/4		3/4		3/4	
<b>1</b>	<b>131,616</b>	<b>1</b>	<b>145,035</b>	<b>1</b>	<b>158,454</b>	<b>1</b>	<b>171,873</b>	<b>1</b>	<b>185,292</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
1/4	131,896	1/4	145,315	1/4	158,734	1/4	172,153	1/4	185,571	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	132,175	1/2	145,594	1/2	159,013	1/2	172,432	1/2	185,851	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	132,455	3/4	145,874	3/4	159,293	3/4	172,712	3/4	186,131	3/4		3/4		3/4		3/4		3/4		3/4	
<b>2</b>	<b>132,735</b>	<b>2</b>	<b>146,153</b>	<b>2</b>	<b>159,572</b>	<b>2</b>	<b>172,991</b>	<b>2</b>	<b>186,410</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
1/4	133,014	1/4	146,433	1/4	159,852	1/4	173,271	1/4	186,690	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	133,294	1/2	146,713	1/2	160,131	1/2	173,550	1/2	186,969	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	133,573	3/4	146,992	3/4	160,411	3/4	173,830	3/4	187,249	3/4		3/4		3/4		3/4		3/4		3/4	
<b>3</b>	<b>133,853</b>	<b>3</b>	<b>147,272</b>	<b>3</b>	<b>160,691</b>	<b>3</b>	<b>174,109</b>	<b>3</b>	<b>187,528</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>
1/4	134,132	1/4	147,551	1/4	160,970	1/4	174,389	1/4	187,785	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	134,412	1/2	147,831	1/2	161,250	1/2	174,669	1/2	188,041	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	134,691	3/4	148,110	3/4	161,529	3/4	174,948	3/4	188,297	3/4		3/4		3/4		3/4		3/4		3/4	
<b>4</b>	<b>134,971</b>	<b>4</b>	<b>148,390</b>	<b>4</b>	<b>161,809</b>	<b>4</b>	<b>175,228</b>	<b>4</b>	<b>188,553</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
1/4	135,251	1/4	148,670	1/4	162,088	1/4	175,507	1/4	188,763	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	135,530	1/2	148,949	1/2	162,368	1/2	175,787	1/2	188,973	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	135,810	3/4	149,229	3/4	162,648	3/4	176,066	3/4	189,182	3/4		3/4		3/4		3/4		3/4		3/4	
<b>5</b>	<b>136,089</b>	<b>5</b>	<b>149,508</b>	<b>5</b>	<b>162,927</b>	<b>5</b>	<b>176,346</b>	<b>5</b>	<b>189,392</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>
1/4	136,369	1/4	149,788	1/4	163,207	1/4	176,626	1/4	189,555	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	136,648	1/2	150,067	1/2	163,486	1/2	176,905	1/2	189,718	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	136,928	3/4	150,347	3/4	163,766	3/4	177,185	3/4	189,881	3/4		3/4		3/4		3/4		3/4		3/4	
<b>6</b>	<b>137,208</b>	<b>6</b>	<b>150,626</b>	<b>6</b>	<b>164,045</b>	<b>6</b>	<b>177,464</b>	<b>6</b>	<b>190,044</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>
1/4	137,487	1/4	150,906	1/4	164,325	1/4	177,744	1/4	190,161	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	137,767	1/2	151,186	1/2	164,604	1/2	178,023	1/2	190,277	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	138,046	3/4	151,465	3/4	164,884	3/4	178,303	3/4	190,394	3/4		3/4		3/4		3/4		3/4		3/4	
<b>7</b>	<b>138,326</b>	<b>7</b>	<b>151,745</b>	<b>7</b>	<b>165,164</b>	<b>7</b>	<b>178,582</b>	<b>7</b>	<b>190,510</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>
1/4	138,605	1/4	152,024	1/4	165,443	1/4	178,862	1/4	190,580	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	138,885	1/2	152,304	1/2	165,723	1/2	179,142	1/2	190,650	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	139,164	3/4	152,583	3/4	166,002	3/4	179,421	3/4	190,720	3/4		3/4		3/4		3/4		3/4		3/4	
<b>8</b>	<b>139,444</b>	<b>8</b>	<b>152,863</b>	<b>8</b>	<b>166,282</b>	<b>8</b>	<b>179,701</b>	<b>8</b>	<b>190,790</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>
1/4	139,724	1/4	153,142	1/4	166,561	1/4	179,980	1/4	190,813	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	140,003	1/2	153,422	1/2	166,841	1/2	180,260	1/2	190,836	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	140,283	3/4	153,702	3/4	167,120	3/4	180,539	3/4	190,859	3/4		3/4		3/4		3/4		3/4		3/4	
<b>9</b>	<b>140,562</b>	<b>9</b>	<b>153,981</b>	<b>9</b>	<b>167,400</b>	<b>9</b>	<b>180,819</b>	<b>9</b>	<b>190,882</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>
1/4	140,842	1/4	154,261	1/4	167,680	1/4	181,099	1/4	190,905	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	141,121	1/2	154,540	1/2	167,959	1/2	181,378	1/2	190,928	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	141,401	3/4	154,820	3/4	168,239	3/4	181,658	3/4	190,951	3/4		3/4		3/4		3/4		3/4		3/4	
<b>10</b>	<b>141,680</b>	<b>10</b>	<b>155,099</b>	<b>10</b>	<b>168,518</b>	<b>10</b>	<b>181,937</b>	<b>10</b>	<b>190,974</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
1/4	141,960	1/4	155,379	1/4	168,798	1/4	182,217	1/4	190,997	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	142,240	1/2	155,659	1/2	169,077	1/2	182,496	1/2	191,020	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	142,519	3/4	155,938	3/4	169,357	3/4	182,776	3/4	191,043	3/4		3/4		3/4		3/4		3/4		3/4	
<b>11</b>	<b>142,799</b>	<b>11</b>	<b>156,218</b>	<b>11</b>	<b>169,637</b>	<b>11</b>	<b>183,055</b>	<b>11</b>	<b>191,066</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
1/4	143,078	1/4	156,497	1/4	169,916	1/4	183,335	1/4	191,089	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	143,358	1/2	156,777	1/2	170,196	1/2	183,615	1/2	191,112	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	143,637	3/4	157,056	3/4	170,475	3/4	183,894	3/4	191,135	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/19/2018 SW  
CALCULATED: 10/19/2018 CL  
PRINTED: 10/19/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2018

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



# BARGE "CBC 1406"

## 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	40	0	8,998	0	21,000	0	32,989	0	44,980	0	56,983	0	68,986	0	80,989	0	92,992	0	104,995
1/4	60	1/4	9,248	1/4	21,250	1/4	33,238	1/4	45,230	1/4	57,233	1/4	69,236	1/4	81,239	1/4	93,243	1/4	105,246
1/2	81	1/2	9,498	1/2	21,500	1/2	33,487	1/2	45,480	1/2	57,483	1/2	69,486	1/2	81,490	1/2	93,493	1/2	105,496
3/4	102	3/4	9,748	3/4	21,750	3/4	33,737	3/4	45,730	3/4	57,733	3/4	69,737	3/4	81,740	3/4	93,743	3/4	105,746
1	123	1	9,998	1	22,001	1	33,986	1	45,980	1	57,984	1	69,987	1	81,990	1	93,993	1	105,996
1/4	185	1/4	10,248	1/4	22,251	1/4	34,235	1/4	46,231	1/4	58,234	1/4	70,237	1/4	82,240	1/4	94,243	1/4	106,246
1/2	248	1/2	10,498	1/2	22,501	1/2	34,485	1/2	46,481	1/2	58,484	1/2	70,487	1/2	82,490	1/2	94,493	1/2	106,496
3/4	310	3/4	10,748	3/4	22,751	3/4	34,734	3/4	46,731	3/4	58,734	3/4	70,737	3/4	82,740	3/4	94,743	3/4	106,746
2	373	2	10,998	2	23,001	2	34,983	2	46,981	2	58,984	2	70,987	2	82,990	2	94,993	2	106,996
1/4	477	1/4	11,248	1/4	23,251	1/4	35,233	1/4	47,231	1/4	59,234	1/4	71,237	1/4	83,240	1/4	95,243	1/4	107,246
1/2	581	1/2	11,498	1/2	23,501	1/2	35,482	1/2	47,481	1/2	59,484	1/2	71,487	1/2	83,490	1/2	95,493	1/2	107,496
3/4	685	3/4	11,748	3/4	23,751	3/4	35,731	3/4	47,731	3/4	59,734	3/4	71,737	3/4	83,740	3/4	95,743	3/4	107,746
3	790	3	11,998	3	24,001	3	35,981	3	47,981	3	59,984	3	71,987	3	83,990	3	95,993	3	107,996
1/4	935	1/4	12,248	1/4	24,251	1/4	36,230	1/4	48,231	1/4	60,234	1/4	72,237	1/4	84,240	1/4	96,243	1/4	108,246
1/2	1,081	1/2	12,498	1/2	24,501	1/2	36,479	1/2	48,481	1/2	60,484	1/2	72,487	1/2	84,490	1/2	96,493	1/2	108,496
3/4	1,227	3/4	12,749	3/4	24,751	3/4	36,729	3/4	48,731	3/4	60,734	3/4	72,737	3/4	84,740	3/4	96,743	3/4	108,746
4	1,373	4	12,999	4	25,001	4	36,978	4	48,981	4	60,984	4	72,987	4	84,990	4	96,993	4	108,996
1/4	1,561	1/4	13,249	1/4	25,251	1/4	37,228	1/4	49,231	1/4	61,234	1/4	73,237	1/4	85,240	1/4	97,243	1/4	109,247
1/2	1,748	1/2	13,499	1/2	25,501	1/2	37,478	1/2	49,481	1/2	61,484	1/2	73,487	1/2	85,491	1/2	97,494	1/2	109,497
3/4	1,936	3/4	13,749	3/4	25,751	3/4	37,728	3/4	49,731	3/4	61,734	3/4	73,738	3/4	85,741	3/4	97,744	3/4	109,747
5	2,123	5	13,999	5	26,001	5	37,978	5	49,981	5	61,985	5	73,988	5	85,991	5	97,994	5	109,997
1/4	2,352	1/4	14,249	1/4	26,251	1/4	38,228	1/4	50,232	1/4	62,235	1/4	74,238	1/4	86,241	1/4	98,244	1/4	110,247
1/2	2,580	1/2	14,499	1/2	26,502	1/2	38,479	1/2	50,482	1/2	62,485	1/2	74,488	1/2	86,491	1/2	98,494	1/2	110,497
3/4	2,809	3/4	14,749	3/4	26,752	3/4	38,729	3/4	50,732	3/4	62,735	3/4	74,738	3/4	86,741	3/4	98,744	3/4	110,747
6	3,037	6	14,999	6	27,002	6	38,979	6	50,982	6	62,985	6	74,988	6	86,991	6	98,994	6	110,997
1/4	3,282	1/4	15,249	1/4	27,251	1/4	39,229	1/4	51,232	1/4	63,235	1/4	75,238	1/4	87,241	1/4	99,244	1/4	111,247
1/2	3,528	1/2	15,499	1/2	27,501	1/2	39,479	1/2	51,482	1/2	63,485	1/2	75,488	1/2	87,491	1/2	99,494	1/2	111,497
3/4	3,773	3/4	15,749	3/4	27,751	3/4	39,729	3/4	51,732	3/4	63,735	3/4	75,738	3/4	87,741	3/4	99,744	3/4	111,747
7	4,018	7	15,999	7	28,000	7	39,979	7	51,982	7	63,985	7	75,988	7	87,991	7	99,994	7	111,997
1/4	4,265	1/4	16,249	1/4	28,250	1/4	40,229	1/4	52,232	1/4	64,235	1/4	76,238	1/4	88,241	1/4	100,244	1/4	112,247
1/2	4,512	1/2	16,499	1/2	28,500	1/2	40,479	1/2	52,482	1/2	64,485	1/2	76,488	1/2	88,491	1/2	100,494	1/2	112,497
3/4	4,759	3/4	16,749	3/4	28,750	3/4	40,729	3/4	52,732	3/4	64,735	3/4	76,738	3/4	88,741	3/4	100,744	3/4	112,747
8	5,007	8	16,999	8	28,999	8	40,979	8	52,982	8	64,985	8	76,988	8	88,991	8	100,994	8	112,998
1/4	5,255	1/4	17,249	1/4	29,249	1/4	41,229	1/4	53,232	1/4	65,235	1/4	77,238	1/4	89,241	1/4	101,245	1/4	113,248
1/2	5,504	1/2	17,500	1/2	29,498	1/2	41,479	1/2	53,482	1/2	65,485	1/2	77,488	1/2	89,492	1/2	101,495	1/2	113,498
3/4	5,752	3/4	17,750	3/4	29,747	3/4	41,729	3/4	53,732	3/4	65,735	3/4	77,739	3/4	89,742	3/4	101,745	3/4	113,748
9	6,001	9	18,000	9	29,997	9	41,979	9	53,983	9	65,986	9	77,989	9	89,992	9	101,995	9	113,998
1/4	6,250	1/4	18,250	1/4	30,246	1/4	42,230	1/4	54,233	1/4	66,236	1/4	78,239	1/4	90,242	1/4	102,245	1/4	114,248
1/2	6,500	1/2	18,500	1/2	30,495	1/2	42,480	1/2	54,483	1/2	66,486	1/2	78,489	1/2	90,492	1/2	102,495	1/2	114,498
3/4	6,749	3/4	18,750	3/4	30,745	3/4	42,730	3/4	54,733	3/4	66,736	3/4	78,739	3/4	90,742	3/4	102,745	3/4	114,748
10	6,998	10	19,000	10	30,994	10	42,980	10	54,983	10	66,986	10	78,989	10	90,992	10	102,995	10	114,998
1/4	7,248	1/4	19,250	1/4	31,243	1/4	43,230	1/4	55,233	1/4	67,236	1/4	79,239	1/4	91,242	1/4	103,245	1/4	115,248
1/2	7,498	1/2	19,500	1/2	31,493	1/2	43,480	1/2	55,483	1/2	67,486	1/2	79,489	1/2	91,492	1/2	103,495	1/2	115,498
3/4	7,748	3/4	19,750	3/4	31,742	3/4	43,730	3/4	55,733	3/4	67,736	3/4	79,739	3/4	91,742	3/4	103,745	3/4	115,748
11	7,998	11	20,000	11	31,991	11	43,980	11	55,983	11	67,986	11	79,989	11	91,992	11	103,995	11	115,998
1/4	8,248	1/4	20,250	1/4	32,241	1/4	44,230	1/4	56,233	1/4	68,236	1/4	80,239	1/4	92,242	1/4	104,245	1/4	116,248
1/2	8,498	1/2	20,500	1/2	32,490	1/2	44,480	1/2	56,483	1/2	68,486	1/2	80,489	1/2	92,492	1/2	104,495	1/2	116,498
3/4	8,748	3/4	20,750	3/4	32,739	3/4	44,730	3/4	56,733	3/4	68,736	3/4	80,739	3/4	92,742	3/4	104,745	3/4	116,748

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 ON CENTERLINE AND 29'-03" FORWARD OF AFT BULKHEAD

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



# BARGE "CBC 1406"

## 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	116,999	0	129,002	0	141,005	0	153,008	0	165,011	0		0		0		0		0	
1/4	117,249	1/4	129,252	1/4	141,255	1/4	153,258	1/4	165,261	1/4		1/4		1/4		1/4		1/4	
1/2	117,499	1/2	129,502	1/2	141,505	1/2	153,508	1/2	165,511	1/2		1/2		1/2		1/2		1/2	
3/4	117,749	3/4	129,752	3/4	141,755	3/4	153,758	3/4	165,761	3/4		3/4		3/4		3/4		3/4	
1	117,999	1	130,002	1	142,005	1	154,008	1	166,011	1		1		1		1		1	
1/4	118,249	1/4	130,252	1/4	142,255	1/4	154,258	1/4	166,261	1/4		1/4		1/4		1/4		1/4	
1/2	118,499	1/2	130,502	1/2	142,505	1/2	154,508	1/2	166,511	1/2		1/2		1/2		1/2		1/2	
3/4	118,749	3/4	130,752	3/4	142,755	3/4	154,758	3/4	166,761	3/4		3/4		3/4		3/4		3/4	
2	118,999	2	131,002	2	143,005	2	155,008	2	167,011	2		2		2		2		2	
1/4	119,249	1/4	131,252	1/4	143,255	1/4	155,258	1/4	167,261	1/4		1/4		1/4		1/4		1/4	
1/2	119,499	1/2	131,502	1/2	143,505	1/2	155,508	1/2	167,511	1/2		1/2		1/2		1/2		1/2	
3/4	119,749	3/4	131,752	3/4	143,755	3/4	155,758	3/4	167,761	3/4		3/4		3/4		3/4		3/4	
3	119,999	3	132,002	3	144,005	3	156,008	3	168,012	3		3		3		3		3	
1/4	120,249	1/4	132,252	1/4	144,255	1/4	156,258	1/4	168,261	1/4		1/4		1/4		1/4		1/4	
1/2	120,499	1/2	132,502	1/2	144,505	1/2	156,508	1/2	168,470	1/2		1/2		1/2		1/2		1/2	
3/4	120,750	3/4	132,753	3/4	144,756	3/4	156,759	3/4	168,699	3/4		3/4		3/4		3/4		3/4	
4	121,000	4	133,003	4	145,006	4	157,009	4	168,928	4		4		4		4		4	
1/4	121,250	1/4	133,253	1/4	145,256	1/4	157,259	1/4	169,116	1/4		1/4		1/4		1/4		1/4	
1/2	121,500	1/2	133,503	1/2	145,506	1/2	157,509	1/2	169,304	1/2		1/2		1/2		1/2		1/2	
3/4	121,750	3/4	133,753	3/4	145,756	3/4	157,759	3/4	169,491	3/4		3/4		3/4		3/4		3/4	
5	122,000	5	134,003	5	146,006	5	158,009	5	169,679	5		5		5		5		5	
1/4	122,250	1/4	134,253	1/4	146,256	1/4	158,259	1/4	169,824	1/4		1/4		1/4		1/4		1/4	
1/2	122,500	1/2	134,503	1/2	146,506	1/2	158,509	1/2	169,970	1/2		1/2		1/2		1/2		1/2	
3/4	122,750	3/4	134,753	3/4	146,756	3/4	158,759	3/4	170,116	3/4		3/4		3/4		3/4		3/4	
6	123,000	6	135,003	6	147,006	6	159,009	6	170,262	6		6		6		6		6	
1/4	123,250	1/4	135,253	1/4	147,256	1/4	159,259	1/4	170,366	1/4		1/4		1/4		1/4		1/4	
1/2	123,500	1/2	135,503	1/2	147,506	1/2	159,509	1/2	170,470	1/2		1/2		1/2		1/2		1/2	
3/4	123,750	3/4	135,753	3/4	147,756	3/4	159,759	3/4	170,575	3/4		3/4		3/4		3/4		3/4	
7	124,000	7	136,003	7	148,006	7	160,010	7	170,679	7		7		7		7		7	
1/4	124,250	1/4	136,253	1/4	148,257	1/4	160,260	1/4	170,741	1/4		1/4		1/4		1/4		1/4	
1/2	124,500	1/2	136,504	1/2	148,507	1/2	160,510	1/2	170,804	1/2		1/2		1/2		1/2		1/2	
3/4	124,751	3/4	136,754	3/4	148,757	3/4	160,760	3/4	170,866	3/4		3/4		3/4		3/4		3/4	
8	125,001	8	137,004	8	149,007	8	161,010	8	170,929	8		8		8		8		8	
1/4	125,251	1/4	137,254	1/4	149,257	1/4	161,260	1/4	170,950	1/4		1/4		1/4		1/4		1/4	
1/2	125,501	1/2	137,504	1/2	149,507	1/2	161,510	1/2	170,971	1/2		1/2		1/2		1/2		1/2	
3/4	125,751	3/4	137,754	3/4	149,757	3/4	161,760	3/4		3/4		3/4		3/4		3/4		3/4	
9	126,001	9	138,004	9	150,007	9	162,010	9		9		9		9		9		9	
1/4	126,251	1/4	138,254	1/4	150,257	1/4	162,260	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,501	1/2	138,504	1/2	150,507	1/2	162,510	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,751	3/4	138,754	3/4	150,757	3/4	162,760	3/4		3/4		3/4		3/4		3/4		3/4	
10	127,001	10	139,004	10	151,007	10	163,010	10		10		10		10		10		10	
1/4	127,251	1/4	139,254	1/4	151,257	1/4	163,260	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,501	1/2	139,504	1/2	151,507	1/2	163,510	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,751	3/4	139,754	3/4	151,757	3/4	163,760	3/4		3/4		3/4		3/4		3/4		3/4	
11	128,001	11	140,004	11	152,007	11	164,011	11		11		11		11		11		11	
1/4	128,251	1/4	140,254	1/4	152,258	1/4	164,261	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,501	1/2	140,505	1/2	152,508	1/2	164,511	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,752	3/4	140,755	3/4	152,758	3/4	164,761	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/19/2018 SW  
CALCULATED: 10/19/2018 CL  
PRINTED: 10/19/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2018

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



# BARGE "CBC 1406"

## 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	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-5/8	01-5/8	- 02-0/8	02-0/8	- 02-3/8	02-3/8
2 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
3 CENTER	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4

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

LENGTH BETWEEN DRAFT MARKS: 178'-06"

October 19, 2018

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

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# BARGE "CBC 1406"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	151,671	0	144,400	0	136,268	0	128,136	0	120,012	0	109,442	0	97,839	0	86,236		
1/4	1/4	1/4	151,651	1/4	144,230	1/4	136,098	1/4	127,966	1/4	119,843	1/4	109,200	1/4	97,597	1/4	85,994		
1/2	1/2	1/2	151,631	1/2	144,061	1/2	135,929	1/2	127,797	1/2	119,674	1/2	108,959	1/2	97,356	1/2	85,752		
3/4	3/4	3/4	151,570	3/4	143,891	3/4	135,760	3/4	127,628	3/4	119,505	3/4	108,717	3/4	97,114	3/4	85,511		
1	1	1	151,509	1	143,722	1	135,590	1	127,458	1	119,336	1	108,475	1	96,872	1	85,269		
1/4	1/4	1/4	151,449	1/4	143,553	1/4	135,421	1/4	127,289	1/4	119,168	1/4	108,234	1/4	96,630	1/4	85,027		
1/2	1/2	1/2	151,388	1/2	143,383	1/2	135,251	1/2	127,119	1/2	118,999	1/2	107,992	1/2	96,389	1/2	84,785		
3/4	3/4	3/4	151,287	3/4	143,214	3/4	135,082	3/4	126,950	3/4	118,830	3/4	107,750	3/4	96,147	3/4	84,544		
2	2	2	151,186	2	143,044	2	134,912	2	126,780	2	118,661	2	107,508	2	95,905	2	84,302		
1/4	1/4	1/4	151,086	1/4	142,875	1/4	134,743	1/4	126,611	1/4	118,492	1/4	107,267	1/4	95,663	1/4	84,060		
1/2	1/2	1/2	150,985	1/2	142,706	1/2	134,574	1/2	126,442	1/2	118,323	1/2	107,025	1/2	95,422	1/2	83,818		
3/4	3/4	3/4	150,843	3/4	142,536	3/4	134,404	3/4	126,272	3/4	118,155	3/4	106,783	3/4	95,180	3/4	83,577		
3	3	3	150,702	3	142,367	3	134,235	3	126,103	3	117,987	3	106,541	3	94,938	3	83,335		
1/4	1/4	1/4	150,561	1/4	142,197	1/4	134,065	1/4	125,933	1/4	117,818	1/4	106,300	1/4	94,697	1/4	83,093		
1/2	1/2	1/2	150,419	1/2	142,028	1/2	133,896	1/2	125,764	1/2	117,650	1/2	106,058	1/2	94,455	1/2	82,851		
3/4	3/4	3/4	150,238	3/4	141,858	3/4	133,727	3/4	125,595	3/4	117,409	3/4	105,816	3/4	94,213	3/4	82,610		
4	4	4	150,056	4	141,689	4	133,557	4	125,425	4	117,168	4	105,574	4	93,971	4	82,370		
1/4	1/4	1/4	149,874	1/4	141,520	1/4	133,388	1/4	125,256	1/4	116,926	1/4	105,333	1/4	93,730	1/4	82,129		
1/2	1/2	1/2	149,693	1/2	141,350	1/2	133,218	1/2	125,086	1/2	116,685	1/2	105,091	1/2	93,488	1/2	81,888		
3/4	3/4	3/4	149,471	3/4	141,181	3/4	133,049	3/4	124,917	3/4	116,444	3/4	104,849	3/4	93,246	3/4	81,647		
5	5	5	149,249	5	141,011	5	132,879	5	124,747	5	116,203	5	104,608	5	93,004	5	81,407		
1/4	1/4	1/4	149,027	1/4	140,842	1/4	132,710	1/4	124,578	1/4	115,962	1/4	104,366	1/4	92,763	1/4	81,167		
1/2	1/2	1/2	148,805	1/2	140,673	1/2	132,541	1/2	124,409	1/2	115,720	1/2	104,124	1/2	92,521	1/2	80,926		
3/4	3/4	3/4	148,635	3/4	140,503	3/4	132,371	3/4	124,239	3/4	115,479	3/4	103,882	3/4	92,279	3/4	80,686		
6	6	6	148,466	6	140,334	6	132,202	6	124,070	6	115,238	6	103,641	6	92,038	6	80,446		
1/4	1/4	1/4	148,296	1/4	140,164	1/4	132,032	1/4	123,900	1/4	114,997	1/4	103,399	1/4	91,796	1/4	80,206		
1/2	1/2	1/2	148,127	1/2	139,995	1/2	131,863	1/2	123,731	1/2	114,756	1/2	103,157	1/2	91,554	1/2	79,965		
3/4	3/4	3/4	147,957	3/4	139,825	3/4	131,694	3/4	123,562	3/4	114,515	3/4	102,915	3/4	91,312	3/4	79,725		
7	7	7	147,788	7	139,656	7	131,524	7	123,392	7	114,273	7	102,674	7	91,071	7	79,485		
1/4	1/4	1/4	147,619	1/4	139,487	1/4	131,355	1/4	123,223	1/4	114,032	1/4	102,432	1/4	90,829	1/4	79,244		
1/2	1/2	1/2	147,449	1/2	139,317	1/2	131,185	1/2	123,053	1/2	113,791	1/2	102,190	1/2	90,587	1/2	79,004		
3/4	3/4	3/4	147,280	3/4	139,148	3/4	131,016	3/4	122,884	3/4	113,550	3/4	101,949	3/4	90,345	3/4	78,764		
8	8	8	147,110	8	138,978	8	130,846	8	122,714	8	113,309	8	101,707	8	90,104	8	78,524		
1/4	1/4	1/4	146,941	1/4	138,809	1/4	130,677	1/4	122,545	1/4	113,068	1/4	101,465	1/4	89,862	1/4	78,283		
1/2	1/2	1/2	146,772	1/2	138,640	1/2	130,508	1/2	122,376	1/2	112,826	1/2	101,223	1/2	89,620	1/2	78,043		
3/4	3/4	3/4	146,602	3/4	138,470	3/4	130,338	3/4	122,207	3/4	112,585	3/4	100,982	3/4	89,378	3/4	77,803		
9	9	9	146,433	9	138,301	9	130,169	9	122,038	9	112,343	9	100,740	9	89,137	9	77,562		
1/4	1/4	1/4	146,263	1/4	138,131	1/4	129,999	1/4	121,869	1/4	112,101	1/4	100,498	1/4	88,895	1/4	77,322		
1/2	1/2	1/2	146,094	1/2	137,962	1/2	129,830	1/2	121,700	1/2	111,859	1/2	100,256	1/2	88,653	1/2	77,082		
3/4	3/4	3/4	145,924	3/4	137,793	3/4	129,661	3/4	121,531	3/4	111,618	3/4	100,015	3/4	88,411	3/4	76,841		
10	10	10	145,755	10	137,623	10	129,491	10	121,363	10	111,376	10	99,773	10	88,170	10	76,601		
1/4	1/4	1/4	145,586	1/4	137,454	1/4	129,322	1/4	121,194	1/4	111,134	1/4	99,531	1/4	87,928	1/4	76,361		
1/2	1/2	1/2	145,416	1/2	137,284	1/2	129,152	1/2	121,025	1/2	110,893	1/2	99,289	1/2	87,686	1/2	76,121		
3/4	3/4	3/4	145,247	3/4	137,115	3/4	128,983	3/4	120,856	3/4	110,651	3/4	99,048	3/4	87,445	3/4	75,880		
11	11	11	145,077	11	136,945	11	128,813	11	120,687	11	110,409	11	98,806	11	87,203	11	75,640		
1/4	1/4	1/4	144,908	1/4	136,776	1/4	128,644	1/4	120,518	1/4	110,167	1/4	98,564	1/4	86,961	1/4	75,400		
1/2	1/2	1/2	144,739	1/2	136,607	1/2	128,475	1/2	120,349	1/2	109,926	1/2	98,323	1/2	86,719	1/2	75,159		
3/4	3/4	3/4	144,569	3/4	136,437	3/4	128,305	3/4	120,181	3/4	109,684	3/4	98,081	3/4	86,478	3/4	74,918		

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  
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 Pearland, Texas 77588  
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# BARGE "CBC 1406"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	74,677	0	63,085	0	51,486	0	39,887	0	28,504	0	16,952	0	5,332	0		0		0	
1/4	74,436	1/4	62,843	1/4	51,244	1/4	39,646	1/4	28,270	1/4	16,710	1/4	5,091	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,195	1/2	62,601	1/2	51,003	1/2	39,404	1/2	28,035	1/2	16,468	1/2	4,851	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,954	3/4	62,360	3/4	50,761	3/4	39,162	3/4	27,800	3/4	16,225	3/4	4,611	3/4	3/4	3/4	3/4	3/4	3/4
1	73,713	1	62,118	1	50,519	1	38,921	1	27,566	1	15,983	1	4,372	1	1	1	1	1	1
1/4	73,472	1/4	61,876	1/4	50,278	1/4	38,679	1/4	27,331	1/4	15,741	1/4	4,132	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,231	1/2	61,635	1/2	50,036	1/2	38,438	1/2	27,096	1/2	15,499	1/2	3,893	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,990	3/4	61,393	3/4	49,795	3/4	38,196	3/4	26,861	3/4	15,257	3/4	3,655	3/4	3/4	3/4	3/4	3/4	3/4
2	72,749	2	61,152	2	49,553	2	37,954	2	26,626	2	15,014	2	3,418	2	2	2	2	2	2
1/4	72,508	1/4	60,910	1/4	49,311	1/4	37,713	1/4	26,391	1/4	14,772	1/4	3,180	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,267	1/2	60,668	1/2	49,070	1/2	37,471	1/2	26,157	1/2	14,530	1/2	2,943	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,025	3/4	60,427	3/4	48,828	3/4	37,229	3/4	25,914	3/4	14,288	3/4	2,722	3/4	3/4	3/4	3/4	3/4	3/4
3	71,784	3	60,185	3	48,586	3	36,988	3	25,672	3	14,045	3	2,500	3	3	3	3	3	3
1/4	71,542	1/4	59,943	1/4	48,345	1/4	36,746	1/4	25,430	1/4	13,803	1/4	2,279	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,300	1/2	59,702	1/2	48,103	1/2	36,504	1/2	25,188	1/2	13,561	1/2	2,058	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,059	3/4	59,460	3/4	47,861	3/4	36,263	3/4	24,945	3/4	13,319	3/4	1,876	3/4	3/4	3/4	3/4	3/4	3/4
4	70,817	4	59,218	4	47,620	4	36,021	4	24,703	4	13,077	4	1,694	4	4	4	4	4	4
1/4	70,575	1/4	58,977	1/4	47,378	1/4	35,780	1/4	24,461	1/4	12,834	1/4	1,513	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,334	1/2	58,735	1/2	47,137	1/2	35,538	1/2	24,219	1/2	12,592	1/2	1,331	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,092	3/4	58,494	3/4	46,895	3/4	35,303	3/4	23,977	3/4	12,350	3/4	1,190	3/4	3/4	3/4	3/4	3/4	3/4
5	69,851	5	58,252	5	46,653	5	35,069	5	23,734	5	12,108	5	1,049	5	5	5	5	5	5
1/4	69,609	1/4	58,010	1/4	46,412	1/4	34,835	1/4	23,492	1/4	11,866	1/4	907	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,367	1/2	57,769	1/2	46,170	1/2	34,600	1/2	23,250	1/2	11,623	1/2	766	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,126	3/4	57,527	3/4	45,928	3/4	34,366	3/4	23,008	3/4	11,381	3/4	665	3/4	3/4	3/4	3/4	3/4	3/4
6	68,884	6	57,285	6	45,687	6	34,131	6	22,765	6	11,139	6	564	6	6	6	6	6	6
1/4	68,642	1/4	57,044	1/4	45,445	1/4	33,897	1/4	22,523	1/4	10,897	1/4	463	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,401	1/2	56,802	1/2	45,203	1/2	33,662	1/2	22,281	1/2	10,654	1/2	362	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,159	3/4	56,560	3/4	44,962	3/4	33,428	3/4	22,039	3/4	10,412	3/4	302	3/4	3/4	3/4	3/4	3/4	3/4
7	67,917	7	56,319	7	44,720	7	33,193	7	21,797	7	10,170	7	241	7	7	7	7	7	7
1/4	67,676	1/4	56,077	1/4	44,479	1/4	32,959	1/4	21,554	1/4	9,928	1/4	181	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,434	1/2	55,835	1/2	44,237	1/2	32,724	1/2	21,312	1/2	9,686	1/2	120	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,192	3/4	55,594	3/4	43,995	3/4	32,490	3/4	21,070	3/4	9,443	3/4	100	3/4	3/4	3/4	3/4	3/4	3/4
8	66,951	8	55,352	8	43,754	8	32,256	8	20,828	8	9,201	8	80	8	8	8	8	8	8
1/4	66,709	1/4	55,111	1/4	43,512	1/4	32,021	1/4	20,585	1/4	8,959	1/4	60	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,468	1/2	54,869	1/2	43,270	1/2	31,787	1/2	20,343	1/2	8,717	1/2	39	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,226	3/4	54,627	3/4	43,029	3/4	31,552	3/4	20,101	3/4	8,474	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	65,984	9	54,386	9	42,787	9	31,318	9	19,859	9	8,232	9		9	9	9	9	9	9
1/4	65,743	1/4	54,144	1/4	42,545	1/4	31,083	1/4	19,617	1/4	7,990	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,501	1/2	53,902	1/2	42,304	1/2	30,849	1/2	19,374	1/2	7,748	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,259	3/4	53,661	3/4	42,062	3/4	30,614	3/4	19,132	3/4	7,506	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	65,018	10	53,419	10	41,820	10	30,380	10	18,890	10	7,264	10		10	10	10	10	10	10
1/4	64,776	1/4	53,177	1/4	41,579	1/4	30,145	1/4	18,648	1/4	7,022	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,534	1/2	52,936	1/2	41,337	1/2	29,911	1/2	18,405	1/2	6,780	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,293	3/4	52,694	3/4	41,096	3/4	29,676	3/4	18,163	3/4	6,538	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	64,051	11	52,453	11	40,854	11	29,442	11	17,921	11	6,297	11		11	11	11	11	11	11
1/4	63,810	1/4	52,211	1/4	40,612	1/4	29,208	1/4	17,679	1/4	6,055	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,568	1/2	51,969	1/2	40,371	1/2	28,973	1/2	17,437	1/2	5,814	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,326	3/4	51,728	3/4	40,129	3/4	28,739	3/4	17,194	3/4	5,573	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/19/2018 SW  
CALCULATED: 10/19/2018 CL  
PRINTED: 10/19/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2018

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



# BARGE "CBC 1406"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	190,813	0	179,980	0	166,561	0	153,142	0	139,724	0	126,305	0	112,886	0	99,467		
1/4	1/4	1/4	190,790	1/4	179,701	1/4	166,282	1/4	152,863	1/4	139,444	1/4	126,025	1/4	112,606	1/4	99,187		
1/2	1/2	1/2	190,720	1/2	179,421	1/2	166,002	1/2	152,583	1/2	139,164	1/2	125,746	1/2	112,327	1/2	98,908		
3/4	3/4	3/4	190,650	3/4	179,142	3/4	165,723	3/4	152,304	3/4	138,885	3/4	125,466	3/4	112,047	3/4	98,628		
1	1	1	190,580	1	178,862	1	165,443	1	152,024	1	138,605	1	125,186	1	111,768	1	98,349		
1/4	1/4	1/4	190,510	1/4	178,582	1/4	165,164	1/4	151,745	1/4	138,326	1/4	124,907	1/4	111,488	1/4	98,069		
1/2	1/2	1/2	190,394	1/2	178,303	1/2	164,884	1/2	151,465	1/2	138,046	1/2	124,627	1/2	111,208	1/2	97,790		
3/4	3/4	3/4	190,277	3/4	178,023	3/4	164,604	3/4	151,186	3/4	137,767	3/4	124,348	3/4	110,929	3/4	97,510		
2	2	2	190,161	2	177,744	2	164,325	2	150,906	2	137,487	2	124,068	2	110,649	2	97,230		
1/4	1/4	1/4	190,044	1/4	177,464	1/4	164,045	1/4	150,626	1/4	137,208	1/4	123,789	1/4	110,370	1/4	96,951		
1/2	1/2	1/2	189,881	1/2	177,185	1/2	163,766	1/2	150,347	1/2	136,928	1/2	123,509	1/2	110,090	1/2	96,671		
3/4	3/4	3/4	189,718	3/4	176,905	3/4	163,486	3/4	150,067	3/4	136,648	3/4	123,230	3/4	109,811	3/4	96,392		
3	3	3	189,555	3	176,626	3	163,207	3	149,788	3	136,369	3	122,950	3	109,531	3	96,112		
1/4	1/4	1/4	189,392	1/4	176,346	1/4	162,927	1/4	149,508	1/4	136,089	1/4	122,670	1/4	109,252	1/4	95,833		
1/2	1/2	1/2	189,182	1/2	176,066	1/2	162,648	1/2	149,229	1/2	135,810	1/2	122,391	1/2	108,972	1/2	95,553		
3/4	3/4	3/4	188,973	3/4	175,787	3/4	162,368	3/4	148,949	3/4	135,530	3/4	122,111	3/4	108,692	3/4	95,273		
4	4	4	188,763	4	175,507	4	162,088	4	148,670	4	135,251	4	121,832	4	108,413	4	94,994		
1/4	1/4	1/4	188,553	1/4	175,228	1/4	161,809	1/4	148,390	1/4	134,971	1/4	121,552	1/4	108,133	1/4	94,714		
1/2	1/2	1/2	188,297	1/2	174,948	1/2	161,529	1/2	148,110	1/2	134,691	1/2	121,273	1/2	107,854	1/2	94,435		
3/4	3/4	3/4	188,041	3/4	174,669	3/4	161,250	3/4	147,831	3/4	134,412	3/4	120,993	3/4	107,574	3/4	94,155		
5	5	5	187,785	5	174,389	5	160,970	5	147,551	5	134,132	5	120,713	5	107,295	5	93,876		
1/4	1/4	1/4	187,528	1/4	174,109	1/4	160,691	1/4	147,272	1/4	133,853	1/4	120,434	1/4	107,015	1/4	93,596		
1/2	1/2	1/2	187,249	1/2	173,830	1/2	160,411	1/2	146,992	1/2	133,573	1/2	120,154	1/2	106,735	1/2	93,317		
3/4	3/4	3/4	186,969	3/4	173,550	3/4	160,131	3/4	146,713	3/4	133,294	3/4	119,875	3/4	106,456	3/4	93,037		
6	6	6	186,690	6	173,271	6	159,852	6	146,433	6	133,014	6	119,595	6	106,176	6	92,757		
1/4	1/4	1/4	186,410	1/4	172,991	1/4	159,572	1/4	146,153	1/4	132,735	1/4	119,316	1/4	105,897	1/4	92,478		
1/2	1/2	1/2	186,131	1/2	172,712	1/2	159,293	1/2	145,874	1/2	132,455	1/2	119,036	1/2	105,617	1/2	92,198		
3/4	3/4	3/4	185,851	3/4	172,432	3/4	159,013	3/4	145,594	3/4	132,175	3/4	118,757	3/4	105,338	3/4	91,919		
7	7	7	185,571	7	172,153	7	158,734	7	145,315	7	131,896	7	118,477	7	105,058	7	91,639		
1/4	1/4	1/4	185,292	1/4	171,873	1/4	158,454	1/4	145,035	1/4	131,616	1/4	118,197	1/4	104,779	1/4	91,360		
1/2	1/2	1/2	185,012	1/2	171,593	1/2	158,175	1/2	144,756	1/2	131,337	1/2	117,918	1/2	104,499	1/2	91,080		
3/4	3/4	3/4	184,733	3/4	171,314	3/4	157,895	3/4	144,476	3/4	131,057	3/4	117,638	3/4	104,219	3/4	90,801		
8	8	8	184,453	8	171,034	8	157,615	8	144,197	8	130,778	8	117,359	8	103,940	8	90,521		
1/4	1/4	1/4	184,174	1/4	170,755	1/4	157,336	1/4	143,917	1/4	130,498	1/4	117,079	1/4	103,660	1/4	90,241		
1/2	1/2	1/2	183,894	1/2	170,475	1/2	157,056	1/2	143,637	1/2	130,219	1/2	116,800	1/2	103,381	1/2	89,962		
3/4	3/4	3/4	183,615	3/4	170,196	3/4	156,777	3/4	143,358	3/4	129,939	3/4	116,520	3/4	103,101	3/4	89,682		
9	9	9	183,335	9	169,916	9	156,497	9	143,078	9	129,659	9	116,241	9	102,822	9	89,403		
1/4	1/4	1/4	183,055	1/4	169,637	1/4	156,218	1/4	142,799	1/4	129,380	1/4	115,961	1/4	102,542	1/4	89,123		
1/2	1/2	1/2	182,776	1/2	169,357	1/2	155,938	1/2	142,519	1/2	129,100	1/2	115,681	1/2	102,262	1/2	88,844		
3/4	3/4	3/4	182,496	3/4	169,077	3/4	155,659	3/4	142,240	3/4	128,821	3/4	115,402	3/4	101,983	3/4	88,564		
10	10	10	182,217	10	168,798	10	155,379	10	141,960	10	128,541	10	115,122	10	101,703	10	88,284		
1/4	1/4	1/4	181,937	1/4	168,518	1/4	155,099	1/4	141,680	1/4	128,262	1/4	114,843	1/4	101,424	1/4	88,005		
1/2	1/2	1/2	181,658	1/2	168,239	1/2	154,820	1/2	141,401	1/2	127,982	1/2	114,563	1/2	101,144	1/2	87,725		
3/4	3/4	3/4	181,378	3/4	167,959	3/4	154,540	3/4	141,121	3/4	127,702	3/4	114,284	3/4	100,865	3/4	87,446		
11	11	11	181,099	11	167,680	11	154,261	11	140,842	11	127,423	11	114,004	11	100,585	11	87,166		
1/4	1/4	1/4	180,819	1/4	167,400	1/4	153,981	1/4	140,562	1/4	127,143	1/4	113,724	1/4	100,306	1/4	86,887		
1/2	1/2	1/2	180,539	1/2	167,120	1/2	153,702	1/2	140,283	1/2	126,864	1/2	113,445	1/2	100,026	1/2	86,607		
3/4	3/4	3/4	190,836	3/4	180,260	3/4	166,841	3/4	153,422	3/4	140,003	3/4	126,584	3/4	113,165	3/4	86,328		

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 36'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "CBC 1406"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	86,048	0	72,629	0	59,210	0	45,791	0	32,658	0	19,279	0	5,870	0		0		0	
1/4	85,768	1/4	72,350	1/4	58,931	1/4	45,512	1/4	32,387	1/4	19,000	1/4	5,593	1/4	1/4	1/4		1/4	1/4
1/2	85,489	1/2	72,070	1/2	58,651	1/2	45,232	1/2	32,115	1/2	18,720	1/2	5,316	1/2	1/2	1/2		1/2	1/2
3/4	85,209	3/4	71,790	3/4	58,372	3/4	44,953	3/4	31,844	3/4	18,441	3/4	5,040	3/4	3/4	3/4		3/4	3/4
1	84,930	1	71,511	1	58,092	1	44,673	1	31,572	1	18,161	1	4,763	1	1	1		1	1
1/4	84,650	1/4	71,231	1/4	57,812	1/4	44,394	1/4	31,300	1/4	17,882	1/4	4,487	1/4	1/4	1/4		1/4	1/4
1/2	84,371	1/2	70,952	1/2	57,533	1/2	44,114	1/2	31,021	1/2	17,602	1/2	4,213	1/2	1/2	1/2		1/2	1/2
3/4	84,091	3/4	70,672	3/4	57,253	3/4	43,834	3/4	30,741	3/4	17,323	3/4	3,939	3/4	3/4	3/4		3/4	3/4
2	83,812	2	70,393	2	56,974	2	43,555	2	30,461	2	17,043	2	3,665	2	2	2		2	2
1/4	83,532	1/4	70,113	1/4	56,694	1/4	43,275	1/4	30,182	1/4	16,763	1/4	3,391	1/4	1/4	1/4		1/4	1/4
1/2	83,252	1/2	69,834	1/2	56,415	1/2	42,996	1/2	29,902	1/2	16,484	1/2	3,135	1/2	1/2	1/2		1/2	1/2
3/4	82,973	3/4	69,554	3/4	56,135	3/4	42,716	3/4	29,623	3/4	16,204	3/4	2,880	3/4	3/4	3/4		3/4	3/4
3	82,693	3	69,274	3	55,855	3	42,437	3	29,343	3	15,925	3	2,624	3	3	3		3	3
1/4	82,414	1/4	68,995	1/4	55,576	1/4	42,157	1/4	29,064	1/4	15,645	1/4	2,369	1/4	1/4	1/4		1/4	1/4
1/2	82,134	1/2	68,715	1/2	55,296	1/2	41,885	1/2	28,784	1/2	15,366	1/2	2,159	1/2	1/2	1/2		1/2	1/2
3/4	81,855	3/4	68,436	3/4	55,017	3/4	41,614	3/4	28,505	3/4	15,086	3/4	1,949	3/4	3/4	3/4		3/4	3/4
4	81,575	4	68,156	4	54,737	4	41,342	4	28,225	4	14,807	4	1,740	4	4	4		4	4
1/4	81,295	1/4	67,877	1/4	54,458	1/4	41,070	1/4	27,946	1/4	14,527	1/4	1,530	1/4	1/4	1/4		1/4	1/4
1/2	81,016	1/2	67,597	1/2	54,178	1/2	40,799	1/2	27,666	1/2	14,248	1/2	1,367	1/2	1/2	1/2		1/2	1/2
3/4	80,736	3/4	67,317	3/4	53,899	3/4	40,527	3/4	27,386	3/4	13,968	3/4	1,204	3/4	3/4	3/4		3/4	3/4
5	80,457	5	67,038	5	53,619	5	40,256	5	27,107	5	13,688	5	1,041	5	5	5		5	5
1/4	80,177	1/4	66,758	1/4	53,339	1/4	39,985	1/4	26,827	1/4	13,409	1/4	878	1/4	1/4	1/4		1/4	1/4
1/2	79,898	1/2	66,479	1/2	53,060	1/2	39,713	1/2	26,548	1/2	13,129	1/2	761	1/2	1/2	1/2		1/2	1/2
3/4	79,618	3/4	66,199	3/4	52,780	3/4	39,442	3/4	26,268	3/4	12,850	3/4	645	3/4	3/4	3/4		3/4	3/4
6	79,339	6	65,920	6	52,501	6	39,171	6	25,989	6	12,570	6	528	6	6	6		6	6
1/4	79,059	1/4	65,640	1/4	52,221	1/4	38,899	1/4	25,709	1/4	12,291	1/4	412	1/4	1/4	1/4		1/4	1/4
1/2	78,779	1/2	65,361	1/2	51,942	1/2	38,628	1/2	25,430	1/2	12,011	1/2	342	1/2	1/2	1/2		1/2	1/2
3/4	78,500	3/4	65,081	3/4	51,662	3/4	38,357	3/4	25,150	3/4	11,732	3/4	272	3/4	3/4	3/4		3/4	3/4
7	78,220	7	64,801	7	51,383	7	38,085	7	24,870	7	11,452	7	202	7	7	7		7	7
1/4	77,941	1/4	64,522	1/4	51,103	1/4	37,814	1/4	24,591	1/4	11,172	1/4	132	1/4	1/4	1/4		1/4	1/4
1/2	77,661	1/2	64,242	1/2	50,823	1/2	37,543	1/2	24,311	1/2	10,893	1/2	109	1/2	1/2	1/2		1/2	1/2
3/4	77,382	3/4	63,963	3/4	50,544	3/4	37,271	3/4	24,032	3/4	10,613	3/4	86	3/4	3/4	3/4		3/4	3/4
8	77,102	8	63,683	8	50,264	8	37,000	8	23,752	8	10,334	8	63	8	8	8		8	8
1/4	76,823	1/4	63,404	1/4	49,985	1/4	36,729	1/4	23,473	1/4	10,054	1/4	39	1/4	1/4	1/4		1/4	1/4
1/2	76,543	1/2	63,124	1/2	49,705	1/2	36,457	1/2	23,193	1/2	9,775	1/2		1/2	1/2	1/2		1/2	1/2
3/4	76,263	3/4	62,844	3/4	49,426	3/4	36,186	3/4	22,914	3/4	9,495	3/4		3/4	3/4	3/4		3/4	3/4
9	75,984	9	62,565	9	49,146	9	35,915	9	22,634	9	9,216	9		9	9	9		9	9
1/4	75,704	1/4	62,285	1/4	48,866	1/4	35,643	1/4	22,355	1/4	8,936	1/4		1/4	1/4	1/4		1/4	1/4
1/2	75,425	1/2	62,006	1/2	48,587	1/2	35,372	1/2	22,075	1/2	8,657	1/2		1/2	1/2	1/2		1/2	1/2
3/4	75,145	3/4	61,726	3/4	48,307	3/4	35,100	3/4	21,795	3/4	8,378	3/4		3/4	3/4	3/4		3/4	3/4
10	74,866	10	61,447	10	48,028	10	34,829	10	21,516	10	8,098	10		10	10	10		10	10
1/4	74,586	1/4	61,167	1/4	47,748	1/4	34,558	1/4	21,236	1/4	7,819	1/4		1/4	1/4	1/4		1/4	1/4
1/2	74,306	1/2	60,888	1/2	47,469	1/2	34,286	1/2	20,957	1/2	7,540	1/2		1/2	1/2	1/2		1/2	1/2
3/4	74,027	3/4	60,608	3/4	47,189	3/4	34,015	3/4	20,677	3/4	7,261	3/4		3/4	3/4	3/4		3/4	3/4
11	73,747	11	60,328	11	46,910	11	33,744	11	20,398	11	6,983	11		11	11	11		11	11
1/4	73,468	1/4	60,049	1/4	46,630	1/4	33,472	1/4	20,118	1/4	6,704	1/4		1/4	1/4	1/4		1/4	1/4
1/2	73,188	1/2	59,769	1/2	46,350	1/2	33,201	1/2	19,839	1/2	6,426	1/2		1/2	1/2	1/2		1/2	1/2
3/4	72,909	3/4	59,490	3/4	46,071	3/4	32,930	3/4	19,559	3/4	6,148	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/19/2018 SW  
CALCULATED: 10/19/2018 CL  
PRINTED: 10/19/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2018

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



# BARGE "CBC 1406"

## 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	162,010	0	150,007	0	138,004	0	126,001	0	113,998	0	101,995	0	89,992	0	89,992
1/4	1/4	1/4	1/4	1/4	161,760	1/4	149,757	1/4	137,754	1/4	125,751	1/4	113,748	1/4	101,745	1/4	89,742	1/4	89,742
1/2	1/2	1/2	1/2	170,971	161,510	1/2	149,507	1/2	137,504	1/2	125,501	1/2	113,498	1/2	101,495	1/2	89,492	1/2	89,492
3/4	3/4	3/4	3/4	170,950	161,260	3/4	149,257	3/4	137,254	3/4	125,251	3/4	113,248	3/4	101,245	3/4	89,241	3/4	89,241
1	1	1	1	170,929	161,010	1	149,007	1	137,004	1	125,001	1	112,998	1	100,994	1	88,991	1	88,991
1/4	1/4	1/4	1/4	170,866	160,760	1/4	148,757	1/4	136,754	1/4	124,751	1/4	112,747	1/4	100,744	1/4	88,741	1/4	88,741
1/2	1/2	1/2	1/2	170,804	160,510	1/2	148,507	1/2	136,504	1/2	124,500	1/2	112,497	1/2	100,494	1/2	88,491	1/2	88,491
3/4	3/4	3/4	3/4	170,741	160,260	3/4	148,257	3/4	136,253	3/4	124,250	3/4	112,247	3/4	100,244	3/4	88,241	3/4	88,241
2	2	2	2	170,679	160,010	2	148,006	2	136,003	2	124,000	2	111,997	2	99,994	2	87,991	2	87,991
1/4	1/4	1/4	1/4	170,575	159,759	1/4	147,756	1/4	135,753	1/4	123,750	1/4	111,747	1/4	99,744	1/4	87,741	1/4	87,741
1/2	1/2	1/2	1/2	170,470	159,509	1/2	147,506	1/2	135,503	1/2	123,500	1/2	111,497	1/2	99,494	1/2	87,491	1/2	87,491
3/4	3/4	3/4	3/4	170,366	159,259	3/4	147,256	3/4	135,253	3/4	123,250	3/4	111,247	3/4	99,244	3/4	87,241	3/4	87,241
3	3	3	3	170,262	159,009	3	147,006	3	135,003	3	123,000	3	110,997	3	98,994	3	86,991	3	86,991
1/4	1/4	1/4	1/4	170,116	158,759	1/4	146,756	1/4	134,753	1/4	122,750	1/4	110,747	1/4	98,744	1/4	86,741	1/4	86,741
1/2	1/2	1/2	1/2	169,970	158,509	1/2	146,506	1/2	134,503	1/2	122,500	1/2	110,497	1/2	98,494	1/2	86,491	1/2	86,491
3/4	3/4	3/4	3/4	169,824	158,259	3/4	146,256	3/4	134,253	3/4	122,250	3/4	110,247	3/4	98,244	3/4	86,241	3/4	86,241
4	4	4	4	169,679	158,009	4	146,006	4	134,003	4	122,000	4	109,997	4	97,994	4	85,991	4	85,991
1/4	1/4	1/4	1/4	169,491	157,759	1/4	145,756	1/4	133,753	1/4	121,750	1/4	109,747	1/4	97,744	1/4	85,741	1/4	85,741
1/2	1/2	1/2	1/2	169,304	157,509	1/2	145,506	1/2	133,503	1/2	121,500	1/2	109,497	1/2	97,494	1/2	85,491	1/2	85,491
3/4	3/4	3/4	3/4	169,116	157,259	3/4	145,256	3/4	133,253	3/4	121,250	3/4	109,247	3/4	97,244	3/4	85,241	3/4	85,241
5	5	5	5	168,928	157,009	5	145,006	5	133,003	5	121,000	5	108,997	5	96,993	5	84,990	5	84,990
1/4	1/4	1/4	1/4	168,699	156,759	1/4	144,756	1/4	132,753	1/4	120,750	1/4	108,746	1/4	96,743	1/4	84,740	1/4	84,740
1/2	1/2	1/2	1/2	168,470	156,509	1/2	144,506	1/2	132,503	1/2	120,499	1/2	108,496	1/2	96,493	1/2	84,490	1/2	84,490
3/4	3/4	3/4	3/4	168,241	156,259	3/4	144,256	3/4	132,252	3/4	120,249	3/4	108,246	3/4	96,243	3/4	84,240	3/4	84,240
6	6	6	6	168,012	156,008	6	144,005	6	132,002	6	119,999	6	107,996	6	95,993	6	83,990	6	83,990
1/4	1/4	1/4	1/4	167,761	155,758	1/4	143,755	1/4	131,752	1/4	119,749	1/4	107,746	1/4	95,743	1/4	83,740	1/4	83,740
1/2	1/2	1/2	1/2	167,511	155,508	1/2	143,505	1/2	131,502	1/2	119,499	1/2	107,496	1/2	95,493	1/2	83,490	1/2	83,490
3/4	3/4	3/4	3/4	167,261	155,258	3/4	143,255	3/4	131,252	3/4	119,249	3/4	107,246	3/4	95,243	3/4	83,240	3/4	83,240
7	7	7	7	167,011	155,008	7	143,005	7	131,002	7	118,999	7	106,996	7	94,993	7	82,990	7	82,990
1/4	1/4	1/4	1/4	166,761	154,758	1/4	142,755	1/4	130,752	1/4	118,749	1/4	106,746	1/4	94,743	1/4	82,740	1/4	82,740
1/2	1/2	1/2	1/2	166,511	154,508	1/2	142,505	1/2	130,502	1/2	118,499	1/2	106,496	1/2	94,493	1/2	82,490	1/2	82,490
3/4	3/4	3/4	3/4	166,261	154,258	3/4	142,255	3/4	130,252	3/4	118,249	3/4	106,246	3/4	94,243	3/4	82,240	3/4	82,240
8	8	8	8	166,011	154,008	8	142,005	8	130,002	8	117,999	8	105,996	8	93,993	8	81,990	8	81,990
1/4	1/4	1/4	1/4	165,761	153,758	1/4	141,755	1/4	129,752	1/4	117,749	1/4	105,746	1/4	93,743	1/4	81,740	1/4	81,740
1/2	1/2	1/2	1/2	165,511	153,508	1/2	141,505	1/2	129,502	1/2	117,499	1/2	105,496	1/2	93,493	1/2	81,490	1/2	81,490
3/4	3/4	3/4	3/4	165,261	153,258	3/4	141,255	3/4	129,252	3/4	117,249	3/4	105,246	3/4	93,243	3/4	81,239	3/4	81,239
9	9	9	9	165,011	153,008	9	141,005	9	129,002	9	116,999	9	104,995	9	92,992	9	80,989	9	80,989
1/4	1/4	1/4	1/4	164,761	152,758	1/4	140,755	1/4	128,752	1/4	116,748	1/4	104,745	1/4	92,742	1/4	80,739	1/4	80,739
1/2	1/2	1/2	1/2	164,511	152,508	1/2	140,505	1/2	128,501	1/2	116,498	1/2	104,495	1/2	92,492	1/2	80,489	1/2	80,489
3/4	3/4	3/4	3/4	164,261	152,258	3/4	140,254	3/4	128,251	3/4	116,248	3/4	104,245	3/4	92,242	3/4	80,239	3/4	80,239
10	10	10	10	164,011	152,007	10	140,004	10	128,001	10	115,998	10	103,995	10	91,992	10	79,989	10	79,989
1/4	1/4	1/4	1/4	163,760	151,757	1/4	139,754	1/4	127,751	1/4	115,748	1/4	103,745	1/4	91,742	1/4	79,739	1/4	79,739
1/2	1/2	1/2	1/2	163,510	151,507	1/2	139,504	1/2	127,501	1/2	115,498	1/2	103,495	1/2	91,492	1/2	79,489	1/2	79,489
3/4	3/4	3/4	3/4	163,260	151,257	3/4	139,254	3/4	127,251	3/4	115,248	3/4	103,245	3/4	91,242	3/4	79,239	3/4	79,239
11	11	11	11	163,010	151,007	11	139,004	11	127,001	11	114,998	11	102,995	11	90,992	11	78,989	11	78,989
1/4	1/4	1/4	1/4	162,760	150,757	1/4	138,754	1/4	126,751	1/4	114,748	1/4	102,745	1/4	90,742	1/4	78,739	1/4	78,739
1/2	1/2	1/2	1/2	162,510	150,507	1/2	138,504	1/2	126,501	1/2	114,498	1/2	102,495	1/2	90,492	1/2	78,489	1/2	78,489
3/4	3/4	3/4	3/4	162,260	150,257	3/4	138,254	3/4	126,251	3/4	114,248	3/4	102,245	3/4	90,242	3/4	78,239	3/4	78,239

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'-03" FORWARD OF AFT BULKHEAD

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



# BARGE "CBC 1406"

## 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	77,989	0	65,986	0	53,983	0	41,979	0	29,977	0	18,000	0	6,001	0		0		0	
1/4	77,739	1/4	65,735	1/4	53,732	1/4	41,729	1/4	29,747	1/4	17,750	1/4	5,752	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,488	1/2	65,485	1/2	53,482	1/2	41,479	1/2	29,498	1/2	17,500	1/2	5,504	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,238	3/4	65,235	3/4	53,232	3/4	41,229	3/4	29,249	3/4	17,249	3/4	5,255	3/4	3/4	3/4	3/4	3/4	3/4
1	76,988	1	64,985	1	52,982	1	40,979	1	28,999	1	16,999	1	5,007	1	1	1	1	1	1
1/4	76,738	1/4	64,735	1/4	52,732	1/4	40,729	1/4	28,750	1/4	16,749	1/4	4,759	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,488	1/2	64,485	1/2	52,482	1/2	40,479	1/2	28,500	1/2	16,499	1/2	4,512	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,238	3/4	64,235	3/4	52,232	3/4	40,229	3/4	28,250	3/4	16,249	3/4	4,265	3/4	3/4	3/4	3/4	3/4	3/4
2	75,988	2	63,985	2	51,982	2	39,979	2	28,000	2	15,999	2	4,018	2	2	2	2	2	2
1/4	75,738	1/4	63,735	1/4	51,732	1/4	39,729	1/4	27,751	1/4	15,749	1/4	3,773	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,488	1/2	63,485	1/2	51,482	1/2	39,479	1/2	27,501	1/2	15,499	1/2	3,528	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,238	3/4	63,235	3/4	51,232	3/4	39,229	3/4	27,251	3/4	15,249	3/4	3,282	3/4	3/4	3/4	3/4	3/4	3/4
3	74,988	3	62,985	3	50,982	3	38,979	3	27,002	3	14,999	3	3,037	3	3	3	3	3	3
1/4	74,738	1/4	62,735	1/4	50,732	1/4	38,729	1/4	26,752	1/4	14,749	1/4	2,809	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,488	1/2	62,485	1/2	50,482	1/2	38,479	1/2	26,502	1/2	14,499	1/2	2,580	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,238	3/4	62,235	3/4	50,232	3/4	38,228	3/4	26,251	3/4	14,249	3/4	2,352	3/4	3/4	3/4	3/4	3/4	3/4
4	73,988	4	61,985	4	49,981	4	37,978	4	26,001	4	13,999	4	2,123	4	4	4	4	4	4
1/4	73,738	1/4	61,734	1/4	49,731	1/4	37,728	1/4	25,751	1/4	13,749	1/4	1,936	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,487	1/2	61,484	1/2	49,481	1/2	37,478	1/2	25,501	1/2	13,499	1/2	1,748	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,237	3/4	61,234	3/4	49,231	3/4	37,228	3/4	25,251	3/4	13,249	3/4	1,561	3/4	3/4	3/4	3/4	3/4	3/4
5	72,987	5	60,984	5	48,981	5	36,978	5	25,001	5	12,999	5	1,373	5	5	5	5	5	5
1/4	72,737	1/4	60,734	1/4	48,731	1/4	36,729	1/4	24,751	1/4	12,749	1/4	1,227	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,487	1/2	60,484	1/2	48,481	1/2	36,479	1/2	24,501	1/2	12,498	1/2	1,081	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,237	3/4	60,234	3/4	48,231	3/4	36,230	3/4	24,251	3/4	12,248	3/4	935	3/4	3/4	3/4	3/4	3/4	3/4
6	71,987	6	59,984	6	47,981	6	35,981	6	24,001	6	11,998	6	790	6	6	6	6	6	6
1/4	71,737	1/4	59,734	1/4	47,731	1/4	35,731	1/4	23,751	1/4	11,748	1/4	685	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,487	1/2	59,484	1/2	47,481	1/2	35,482	1/2	23,501	1/2	11,498	1/2	581	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,237	3/4	59,234	3/4	47,231	3/4	35,233	3/4	23,251	3/4	11,248	3/4	477	3/4	3/4	3/4	3/4	3/4	3/4
7	70,987	7	58,984	7	46,981	7	34,983	7	23,001	7	10,998	7	373	7	7	7	7	7	7
1/4	70,737	1/4	58,734	1/4	46,731	1/4	34,734	1/4	22,751	1/4	10,748	1/4	310	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,487	1/2	58,484	1/2	46,481	1/2	34,485	1/2	22,501	1/2	10,498	1/2	248	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,237	3/4	58,234	3/4	46,231	3/4	34,235	3/4	22,251	3/4	10,248	3/4	185	3/4	3/4	3/4	3/4	3/4	3/4
8	69,987	8	57,984	8	45,980	8	33,986	8	22,001	8	9,998	8	123	8	8	8	8	8	8
1/4	69,737	1/4	57,733	1/4	45,730	1/4	33,737	1/4	21,750	1/4	9,748	1/4	102	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,486	1/2	57,483	1/2	45,480	1/2	33,487	1/2	21,500	1/2	9,498	1/2	81	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,236	3/4	57,233	3/4	45,230	3/4	33,238	3/4	21,250	3/4	9,248	3/4	60	3/4	3/4	3/4	3/4	3/4	3/4
9	68,986	9	56,983	9	44,980	9	32,989	9	21,000	9	8,998	9	40	9	9	9	9	9	9
1/4	68,736	1/4	56,733	1/4	44,730	1/4	32,739	1/4	20,750	1/4	8,748	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,486	1/2	56,483	1/2	44,480	1/2	32,490	1/2	20,500	1/2	8,498	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,236	3/4	56,233	3/4	44,230	3/4	32,241	3/4	20,250	3/4	8,248	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	67,986	10	55,983	10	43,980	10	31,991	10	20,000	10	7,998	10		10	10	10	10	10	10
1/4	67,736	1/4	55,733	1/4	43,730	1/4	31,742	1/4	19,750	1/4	7,748	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,486	1/2	55,483	1/2	43,480	1/2	31,493	1/2	19,500	1/2	7,498	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,236	3/4	55,233	3/4	43,230	3/4	31,243	3/4	19,250	3/4	7,248	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	66,986	11	54,983	11	42,980	11	30,994	11	19,000	11	6,998	11		11	11	11	11	11	11
1/4	66,736	1/4	54,733	1/4	42,730	1/4	30,745	1/4	18,750	1/4	6,749	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,486	1/2	54,483	1/2	42,480	1/2	30,495	1/2	18,500	1/2	6,500	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,236	3/4	54,233	3/4	42,230	3/4	30,246	3/4	18,250	3/4	6,250	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/19/2018 SW  
CALCULATED: 10/19/2018 CL  
PRINTED: 10/19/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2018

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