



# BARGE "CBC 1415"

## 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>
1 CENTER	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	01-7/8	- 01-7/8	02-1/4	- 02-1/4
2 CENTER	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 00-7/8	00-7/8	- 01-1/8	01-1/8
3 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 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: 176'-06"

August 27, 2019

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

<http://www.pmacorp.net>



# BARGE "CBC 1415"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 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	8,693	0	20,288	0	31,700	0	43,153	0	54,720	0	66,287	0	77,831	0	89,377	0	100,949
1/4	59	1/4	8,935	1/4	20,530	1/4	31,934	1/4	43,394	1/4	54,961	1/4	66,528	1/4	78,071	1/4	89,618	1/4	101,190
1/2	80	1/2	9,176	1/2	20,771	1/2	32,168	1/2	43,635	1/2	55,202	1/2	66,769	1/2	78,311	1/2	89,859	1/2	101,431
3/4	100	3/4	9,418	3/4	21,013	3/4	32,402	3/4	43,876	3/4	55,443	3/4	67,010	3/4	78,550	3/4	90,101	3/4	101,672
1	120	1	9,659	1	21,254	1	32,636	1	44,117	1	55,684	1	67,251	1	78,790	1	90,342	1	101,913
1/4	180	1/4	9,901	1/4	21,496	1/4	32,870	1/4	44,358	1/4	55,925	1/4	67,492	1/4	79,030	1/4	90,583	1/4	102,154
1/2	241	1/2	10,142	1/2	21,737	1/2	33,103	1/2	44,599	1/2	56,166	1/2	67,733	1/2	79,269	1/2	90,824	1/2	102,395
3/4	301	3/4	10,384	3/4	21,979	3/4	33,337	3/4	44,840	3/4	56,407	3/4	67,974	3/4	79,509	3/4	91,065	3/4	102,637
2	361	2	10,626	2	22,221	2	33,571	2	45,081	2	56,648	2	68,215	2	79,749	2	91,306	2	102,878
1/4	462	1/4	10,867	1/4	22,462	1/4	33,805	1/4	45,322	1/4	56,889	1/4	68,456	1/4	79,988	1/4	91,547	1/4	103,119
1/2	563	1/2	11,109	1/2	22,704	1/2	34,039	1/2	45,563	1/2	57,130	1/2	68,697	1/2	80,228	1/2	91,788	1/2	103,360
3/4	663	3/4	11,350	3/4	22,945	3/4	34,272	3/4	45,804	3/4	57,371	3/4	68,938	3/4	80,467	3/4	92,029	3/4	103,601
3	764	3	11,592	3	23,187	3	34,506	3	46,045	3	57,612	3	69,179	3	80,707	3	92,270	3	103,842
1/4	905	1/4	11,833	1/4	23,428	1/4	34,740	1/4	46,286	1/4	57,853	1/4	69,420	1/4	80,947	1/4	92,511	1/4	104,083
1/2	1,046	1/2	12,075	1/2	23,670	1/2	34,974	1/2	46,527	1/2	58,094	1/2	69,661	1/2	81,186	1/2	92,752	1/2	104,324
3/4	1,187	3/4	12,316	3/4	23,912	3/4	35,208	3/4	46,768	3/4	58,335	3/4	69,902	3/4	81,426	3/4	92,993	3/4	104,565
4	1,327	4	12,558	4	24,153	4	35,442	4	47,009	4	58,576	4	70,143	4	81,666	4	93,235	4	104,806
1/4	1,509	1/4	12,800	1/4	24,395	1/4	35,683	1/4	47,250	1/4	58,817	1/4	70,384	1/4	81,906	1/4	93,476	1/4	105,047
1/2	1,690	1/2	13,041	1/2	24,636	1/2	35,924	1/2	47,491	1/2	59,058	1/2	70,625	1/2	82,146	1/2	93,717	1/2	105,288
3/4	1,871	3/4	13,283	3/4	24,878	3/4	36,165	3/4	47,732	3/4	59,299	3/4	70,866	3/4	82,387	3/4	93,958	3/4	105,529
5	2,052	5	13,524	5	25,119	5	36,406	5	47,973	5	59,540	5	71,107	5	82,627	5	94,199	5	105,771
1/4	2,273	1/4	13,766	1/4	25,361	1/4	36,647	1/4	48,214	1/4	59,781	1/4	71,348	1/4	82,868	1/4	94,440	1/4	106,012
1/2	2,494	1/2	14,007	1/2	25,603	1/2	36,887	1/2	48,455	1/2	60,022	1/2	71,589	1/2	83,109	1/2	94,681	1/2	106,253
3/4	2,714	3/4	14,249	3/4	25,844	3/4	37,128	3/4	48,696	3/4	60,263	3/4	71,830	3/4	83,350	3/4	94,922	3/4	106,494
6	2,935	6	14,491	6	26,086	6	37,369	6	48,937	6	60,504	6	72,071	6	83,591	6	95,163	6	106,735
1/4	3,172	1/4	14,732	1/4	26,320	1/4	37,610	1/4	49,178	1/4	60,745	1/4	72,311	1/4	83,832	1/4	95,404	1/4	106,976
1/2	3,409	1/2	14,974	1/2	26,554	1/2	37,851	1/2	49,419	1/2	60,986	1/2	72,552	1/2	84,073	1/2	95,645	1/2	107,217
3/4	3,645	3/4	15,215	3/4	26,788	3/4	38,092	3/4	49,660	3/4	61,227	3/4	72,792	3/4	84,315	3/4	95,886	3/4	107,458
7	3,882	7	15,457	7	27,022	7	38,333	7	49,901	7	61,468	7	73,033	7	84,556	7	96,127	7	107,699
1/4	4,121	1/4	15,698	1/4	27,257	1/4	38,574	1/4	50,142	1/4	61,709	1/4	73,273	1/4	84,797	1/4	96,369	1/4	107,940
1/2	4,360	1/2	15,940	1/2	27,491	1/2	38,815	1/2	50,383	1/2	61,950	1/2	73,513	1/2	85,038	1/2	96,610	1/2	108,181
3/4	4,599	3/4	16,182	3/4	27,725	3/4	39,056	3/4	50,624	3/4	62,191	3/4	73,754	3/4	85,279	3/4	96,851	3/4	108,422
8	4,838	8	16,423	8	27,959	8	39,297	8	50,865	8	62,432	8	73,994	8	85,520	8	97,092	8	108,663
1/4	5,078	1/4	16,665	1/4	28,193	1/4	39,538	1/4	51,106	1/4	62,673	1/4	74,235	1/4	85,761	1/4	97,333	1/4	108,905
1/2	5,318	1/2	16,906	1/2	28,427	1/2	39,779	1/2	51,346	1/2	62,914	1/2	74,475	1/2	86,002	1/2	97,574	1/2	109,146
3/4	5,558	3/4	17,148	3/4	28,661	3/4	40,020	3/4	51,587	3/4	63,155	3/4	74,715	3/4	86,243	3/4	97,815	3/4	109,387
9	5,798	9	17,389	9	28,895	9	40,261	9	51,828	9	63,396	9	74,956	9	86,484	9	98,056	9	109,628
1/4	6,039	1/4	17,631	1/4	29,128	1/4	40,502	1/4	52,069	1/4	63,637	1/4	75,195	1/4	86,725	1/4	98,297	1/4	109,869
1/2	6,280	1/2	17,872	1/2	29,362	1/2	40,743	1/2	52,310	1/2	63,878	1/2	75,435	1/2	86,966	1/2	98,538	1/2	110,110
3/4	6,521	3/4	18,114	3/4	29,596	3/4	40,984	3/4	52,551	3/4	64,119	3/4	75,675	3/4	87,208	3/4	98,779	3/4	110,351
10	6,761	10	18,356	10	29,830	10	41,225	10	52,792	10	64,360	10	75,914	10	87,449	10	99,020	10	110,592
1/4	7,003	1/4	18,597	1/4	30,064	1/4	41,466	1/4	53,033	1/4	64,601	1/4	76,154	1/4	87,690	1/4	99,261	1/4	110,833
1/2	7,244	1/2	18,839	1/2	30,298	1/2	41,707	1/2	53,274	1/2	64,842	1/2	76,394	1/2	87,931	1/2	99,503	1/2	111,074
3/4	7,485	3/4	19,080	3/4	30,531	3/4	41,948	3/4	53,515	3/4	65,083	3/4	76,633	3/4	88,172	3/4	99,744	3/4	111,315
11	7,727	11	19,322	11	30,765	11	42,189	11	53,756	11	65,324	11	76,873	11	88,413	11	99,985	11	111,556
1/4	7,968	1/4	19,563	1/4	30,999	1/4	42,430	1/4	53,997	1/4	65,564	1/4	77,113	1/4	88,654	1/4	100,226	1/4	111,797
1/2	8,210	1/2	19,805	1/2	31,233	1/2	42,671	1/2	54,238	1/2	65,805	1/2	77,352	1/2	88,895	1/2	100,467	1/2	112,039
3/4	8,451	3/4	20,047	3/4	31,467	3/4	42,912	3/4	54,479	3/4	66,046	3/4	77,592	3/4	89,136	3/4	100,708	3/4	112,280

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'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
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# BARGE "CBC 1415"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 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	112,521	0	122,044	0	130,154	0	138,264	0	146,374	0		0		0		0		0	
1/4	112,761	1/4	122,213	1/4	130,323	1/4	138,433	1/4	146,543	1/4		1/4		1/4		1/4		1/4	
1/2	113,002	1/2	122,382	1/2	130,492	1/2	138,602	1/2	146,712	1/2		1/2		1/2		1/2		1/2	
3/4	113,242	3/4	122,551	3/4	130,661	3/4	138,771	3/4	146,881	3/4		3/4		3/4		3/4		3/4	
1	113,483	1	122,720	1	130,830	1	138,940	1	147,050	1		1		1		1		1	
1/4	113,723	1/4	122,889	1/4	130,999	1/4	139,109	1/4	147,219	1/4		1/4		1/4		1/4		1/4	
1/2	113,964	1/2	123,058	1/2	131,168	1/2	139,278	1/2	147,388	1/2		1/2		1/2		1/2		1/2	
3/4	114,204	3/4	123,227	3/4	131,337	3/4	139,447	3/4	147,556	3/4		3/4		3/4		3/4		3/4	
2	114,445	2	123,396	2	131,506	2	139,616	2	147,725	2		2		2		2		2	
1/4	114,685	1/4	123,565	1/4	131,675	1/4	139,784	1/4	147,894	1/4		1/4		1/4		1/4		1/4	
1/2	114,926	1/2	123,734	1/2	131,843	1/2	139,953	1/2	148,063	1/2		1/2		1/2		1/2		1/2	
3/4	115,166	3/4	123,903	3/4	132,012	3/4	140,122	3/4	148,232	3/4		3/4		3/4		3/4		3/4	
3	115,407	3	124,071	3	132,181	3	140,291	3	148,401	3		3		3		3		3	
1/4	115,647	1/4	124,240	1/4	132,350	1/4	140,460	1/4	148,623	1/4		1/4		1/4		1/4		1/4	
1/2	115,888	1/2	124,409	1/2	132,519	1/2	140,629	1/2	148,844	1/2		1/2		1/2		1/2		1/2	
3/4	116,128	3/4	124,578	3/4	132,688	3/4	140,798	3/4	149,066	3/4		3/4		3/4		3/4		3/4	
4	116,369	4	124,747	4	132,857	4	140,967	4	149,287	4		4		4		4		4	
1/4	116,609	1/4	124,916	1/4	133,026	1/4	141,136	1/4	149,468	1/4		1/4		1/4		1/4		1/4	
1/2	116,850	1/2	125,085	1/2	133,195	1/2	141,305	1/2	149,649	1/2		1/2		1/2		1/2		1/2	
3/4	117,091	3/4	125,254	3/4	133,364	3/4	141,474	3/4	149,831	3/4		3/4		3/4		3/4		3/4	
5	117,331	5	125,423	5	133,533	5	141,643	5	150,012	5		5		5		5		5	
1/4	117,499	1/4	125,592	1/4	133,702	1/4	141,812	1/4	150,153	1/4		1/4		1/4		1/4		1/4	
1/2	117,667	1/2	125,761	1/2	133,871	1/2	141,981	1/2	150,294	1/2		1/2		1/2		1/2		1/2	
3/4	117,835	3/4	125,930	3/4	134,040	3/4	142,150	3/4	150,435	3/4		3/4		3/4		3/4		3/4	
6	118,003	6	126,099	6	134,209	6	142,319	6	150,575	6		6		6		6		6	
1/4	118,171	1/4	126,268	1/4	134,378	1/4	142,488	1/4	150,676	1/4		1/4		1/4		1/4		1/4	
1/2	118,339	1/2	126,437	1/2	134,547	1/2	142,657	1/2	150,777	1/2		1/2		1/2		1/2		1/2	
3/4	118,508	3/4	126,606	3/4	134,716	3/4	142,826	3/4	150,877	3/4		3/4		3/4		3/4		3/4	
7	118,676	7	126,775	7	134,885	7	142,995	7	150,978	7		7		7		7		7	
1/4	118,845	1/4	126,944	1/4	135,054	1/4	143,164	1/4	151,038	1/4		1/4		1/4		1/4		1/4	
1/2	119,013	1/2	127,113	1/2	135,223	1/2	143,333	1/2	151,099	1/2		1/2		1/2		1/2		1/2	
3/4	119,181	3/4	127,282	3/4	135,392	3/4	143,502	3/4	151,159	3/4		3/4		3/4		3/4		3/4	
8	119,350	8	127,451	8	135,561	8	143,670	8	151,220	8		8		8		8		8	
1/4	119,518	1/4	127,620	1/4	135,730	1/4	143,839	1/4	151,240	1/4		1/4		1/4		1/4		1/4	
1/2	119,687	1/2	127,789	1/2	135,898	1/2	144,008	1/2	151,260	1/2		1/2		1/2		1/2		1/2	
3/4	119,855	3/4	127,957	3/4	136,067	3/4	144,177	3/4		3/4		3/4		3/4		3/4		3/4	
9	120,023	9	128,126	9	136,236	9	144,346	9		9		9		9		9		9	
1/4	120,192	1/4	128,295	1/4	136,405	1/4	144,515	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120,360	1/2	128,464	1/2	136,574	1/2	144,684	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,528	3/4	128,633	3/4	136,743	3/4	144,853	3/4		3/4		3/4		3/4		3/4		3/4	
10	120,697	10	128,802	10	136,912	10	145,022	10		10		10		10		10		10	
1/4	120,865	1/4	128,971	1/4	137,081	1/4	145,191	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,034	1/2	129,140	1/2	137,250	1/2	145,360	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	121,202	3/4	129,309	3/4	137,419	3/4	145,529	3/4		3/4		3/4		3/4		3/4		3/4	
11	121,370	11	129,478	11	137,588	11	145,698	11		11		11		11		11		11	
1/4	121,539	1/4	129,647	1/4	137,757	1/4	145,867	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,707	1/2	129,816	1/2	137,926	1/2	146,036	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	121,876	3/4	129,985	3/4	138,095	3/4	146,205	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 8/26/2019 SW  
CALCULATED: 08/27/2019 CL  
PRINTED: 08/27/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

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



# BARGE "CBC 1415"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	39	0	10,073	0	23,517	0	36,798	0	50,079	0	63,523	0	76,967	0	90,411	0	103,855	0	117,299
1/4	63	1/4	10,353	1/4	23,797	1/4	37,069	1/4	50,359	1/4	63,803	1/4	77,247	1/4	90,691	1/4	104,135	1/4	117,579
1/2	86	1/2	10,633	1/2	24,077	1/2	37,341	1/2	50,639	1/2	64,083	1/2	77,527	1/2	90,971	1/2	104,415	1/2	117,859
3/4	109	3/4	10,913	3/4	24,357	3/4	37,613	3/4	50,919	3/4	64,363	3/4	77,807	3/4	91,251	3/4	104,695	3/4	118,139
1	133	1	11,193	1	24,637	1	37,885	1	51,199	1	64,643	1	78,087	1	91,531	1	104,975	1	118,419
1/4	203	1/4	11,474	1/4	24,917	1/4	38,157	1/4	51,479	1/4	64,923	1/4	78,367	1/4	91,811	1/4	105,255	1/4	118,700
1/2	273	1/2	11,754	1/2	25,197	1/2	38,429	1/2	51,759	1/2	65,203	1/2	78,647	1/2	92,091	1/2	105,536	1/2	118,980
3/4	343	3/4	12,034	3/4	25,477	3/4	38,701	3/4	52,039	3/4	65,483	3/4	78,927	3/4	92,372	3/4	105,816	3/4	119,260
2	413	2	12,314	2	25,757	2	38,972	2	52,319	2	65,763	2	79,208	2	92,652	2	106,096	2	119,540
1/4	529	1/4	12,594	1/4	26,037	1/4	39,244	1/4	52,599	1/4	66,043	1/4	79,488	1/4	92,932	1/4	106,376	1/4	119,820
1/2	646	1/2	12,874	1/2	26,318	1/2	39,516	1/2	52,879	1/2	66,324	1/2	79,768	1/2	93,212	1/2	106,656	1/2	120,100
3/4	763	3/4	13,154	3/4	26,598	3/4	39,788	3/4	53,160	3/4	66,604	3/4	80,048	3/4	93,492	3/4	106,936	3/4	120,380
3	880	3	13,434	3	26,878	3	40,060	3	53,440	3	66,884	3	80,328	3	93,772	3	107,216	3	120,660
1/4	1,043	1/4	13,714	1/4	27,158	1/4	40,332	1/4	53,720	1/4	67,164	1/4	80,608	1/4	94,052	1/4	107,496	1/4	120,940
1/2	1,206	1/2	13,994	1/2	27,438	1/2	40,604	1/2	54,000	1/2	67,444	1/2	80,888	1/2	94,332	1/2	107,776	1/2	121,220
3/4	1,370	3/4	14,274	3/4	27,718	3/4	40,875	3/4	54,280	3/4	67,724	3/4	81,168	3/4	94,612	3/4	108,056	3/4	121,500
4	1,533	4	14,554	4	27,998	4	41,147	4	54,560	4	68,004	4	81,448	4	94,892	4	108,336	4	121,781
1/4	1,743	1/4	14,834	1/4	28,278	1/4	41,420	1/4	54,840	1/4	68,284	1/4	81,728	1/4	95,172	1/4	108,616	1/4	122,061
1/2	1,953	1/2	15,115	1/2	28,558	1/2	41,692	1/2	55,120	1/2	68,564	1/2	82,008	1/2	95,452	1/2	108,897	1/2	122,341
3/4	2,163	3/4	15,395	3/4	28,838	3/4	41,964	3/4	55,400	3/4	68,844	3/4	82,288	3/4	95,733	3/4	109,177	3/4	122,621
5	2,373	5	15,675	5	29,118	5	42,236	5	55,680	5	69,124	5	82,569	5	96,013	5	109,457	5	122,901
1/4	2,629	1/4	15,955	1/4	29,398	1/4	42,516	1/4	55,960	1/4	69,405	1/4	82,849	1/4	96,293	1/4	109,737	1/4	123,181
1/2	2,885	1/2	16,235	1/2	29,678	1/2	42,796	1/2	56,241	1/2	69,685	1/2	83,129	1/2	96,573	1/2	110,017	1/2	123,461
3/4	3,141	3/4	16,515	3/4	29,959	3/4	43,076	3/4	56,521	3/4	69,965	3/4	83,409	3/4	96,853	3/4	110,297	3/4	123,741
6	3,397	6	16,795	6	30,239	6	43,357	6	56,801	6	70,245	6	83,689	6	97,133	6	110,577	6	124,021
1/4	3,672	1/4	17,075	1/4	30,519	1/4	43,637	1/4	57,081	1/4	70,525	1/4	83,969	1/4	97,413	1/4	110,857	1/4	124,301
1/2	3,946	1/2	17,355	1/2	30,799	1/2	43,917	1/2	57,361	1/2	70,805	1/2	84,249	1/2	97,693	1/2	111,137	1/2	124,581
3/4	4,221	3/4	17,635	3/4	31,079	3/4	44,197	3/4	57,641	3/4	71,085	3/4	84,529	3/4	97,973	3/4	111,417	3/4	124,861
7	4,495	7	17,915	7	31,359	7	44,477	7	57,921	7	71,365	7	84,809	7	98,253	7	111,697	7	125,142
1/4	4,772	1/4	18,195	1/4	31,631	1/4	44,757	1/4	58,201	1/4	71,645	1/4	85,089	1/4	98,533	1/4	111,978	1/4	125,422
1/2	5,049	1/2	18,475	1/2	31,903	1/2	45,037	1/2	58,481	1/2	71,925	1/2	85,369	1/2	98,814	1/2	112,258	1/2	125,702
3/4	5,326	3/4	18,756	3/4	32,176	3/4	45,317	3/4	58,761	3/4	72,205	3/4	85,649	3/4	99,094	3/4	112,538	3/4	125,982
8	5,603	8	19,036	8	32,448	8	45,597	8	59,041	8	72,485	8	85,930	8	99,374	8	112,818	8	126,262
1/4	5,881	1/4	19,316	1/4	32,720	1/4	45,877	1/4	59,321	1/4	72,766	1/4	86,210	1/4	99,654	1/4	113,098	1/4	126,542
1/2	6,160	1/2	19,596	1/2	32,992	1/2	46,157	1/2	59,602	1/2	73,046	1/2	86,490	1/2	99,934	1/2	113,378	1/2	126,822
3/4	6,438	3/4	19,876	3/4	33,263	3/4	46,438	3/4	59,882	3/4	73,326	3/4	86,770	3/4	100,214	3/4	113,658	3/4	127,102
9	6,716	9	20,156	9	33,535	9	46,718	9	60,162	9	73,606	9	87,050	9	100,494	9	113,938	9	127,382
1/4	6,996	1/4	20,436	1/4	33,807	1/4	46,998	1/4	60,442	1/4	73,886	1/4	87,330	1/4	100,774	1/4	114,218	1/4	127,662
1/2	7,275	1/2	20,716	1/2	34,079	1/2	47,278	1/2	60,722	1/2	74,166	1/2	87,610	1/2	101,054	1/2	114,498	1/2	127,942
3/4	7,554	3/4	20,996	3/4	34,351	3/4	47,558	3/4	61,002	3/4	74,446	3/4	87,890	3/4	101,334	3/4	114,778	3/4	128,222
10	7,834	10	21,276	10	34,623	10	47,838	10	61,282	10	74,726	10	88,170	10	101,614	10	115,058	10	128,503
1/4	8,113	1/4	21,556	1/4	34,895	1/4	48,118	1/4	61,562	1/4	75,006	1/4	88,450	1/4	101,894	1/4	115,339	1/4	128,783
1/2	8,393	1/2	21,836	1/2	35,166	1/2	48,398	1/2	61,842	1/2	75,286	1/2	88,730	1/2	102,175	1/2	115,619	1/2	129,063
3/4	8,673	3/4	22,116	3/4	35,438	3/4	48,678	3/4	62,122	3/4	75,566	3/4	89,011	3/4	102,455	3/4	115,899	3/4	129,343
11	8,953	11	22,397	11	35,710	11	48,958	11	62,402	11	75,846	11	89,291	11	102,735	11	116,179	11	129,623
1/4	9,233	1/4	22,677	1/4	35,982	1/4	49,238	1/4	62,682	1/4	76,127	1/4	89,571	1/4	103,015	1/4	116,459	1/4	129,903
1/2	9,513	1/2	22,957	1/2	36,254	1/2	49,518	1/2	62,963	1/2	76,407	1/2	89,851	1/2	103,295	1/2	116,739	1/2	130,183
3/4	9,793	3/4	23,237	3/4	36,526	3/4	49,799	3/4	63,243	3/4	76,687	3/4	90,131	3/4	103,575	3/4	117,019	3/4	130,463

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'-00" FORWARD OF AFT BULKHEAD

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



# BARGE "CBC 1415"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

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	131,023	1/4	144,467	1/4	157,912	1/4	171,356	1/4	184,800	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	131,303	1/2	144,748	1/2	158,192	1/2	171,636	1/2	185,080	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	131,584	3/4	145,028	3/4	158,472	3/4	171,916	3/4	185,360	3/4		3/4		3/4		3/4		3/4		3/4	
<b>1</b>	<b>131,864</b>	<b>1</b>	<b>145,308</b>	<b>1</b>	<b>158,752</b>	<b>1</b>	<b>172,196</b>	<b>1</b>	<b>185,640</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	132,144	1/4	145,588	1/4	159,032	1/4	172,476	1/4	185,920	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	132,424	1/2	145,868	1/2	159,312	1/2	172,756	1/2	186,200	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	132,704	3/4	146,148	3/4	159,592	3/4	173,036	3/4	186,480	3/4		3/4		3/4		3/4		3/4		3/4	
<b>2</b>	<b>132,984</b>	<b>2</b>	<b>146,428</b>	<b>2</b>	<b>159,872</b>	<b>2</b>	<b>173,316</b>	<b>2</b>	<b>186,760</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	133,264	1/4	146,708	1/4	160,152	1/4	173,596	1/4	187,040	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	133,544	1/2	146,988	1/2	160,432	1/2	173,876	1/2	187,321	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	133,824	3/4	147,268	3/4	160,712	3/4	174,157	3/4	187,601	3/4		3/4		3/4		3/4		3/4		3/4	
<b>3</b>	<b>134,104</b>	<b>3</b>	<b>147,548</b>	<b>3</b>	<b>160,992</b>	<b>3</b>	<b>174,437</b>	<b>3</b>	<b>187,881</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	134,384	1/4	147,828	1/4	161,273	1/4	174,717	1/4	188,137	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	134,664	1/2	148,109	1/2	161,553	1/2	174,997	1/2	188,394	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	134,945	3/4	148,389	3/4	161,833	3/4	175,277	3/4	188,651	3/4		3/4		3/4		3/4		3/4		3/4	
<b>4</b>	<b>135,225</b>	<b>4</b>	<b>148,669</b>	<b>4</b>	<b>162,113</b>	<b>4</b>	<b>175,557</b>	<b>4</b>	<b>188,908</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	135,505	1/4	148,949	1/4	162,393	1/4	175,837	1/4	189,118	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	135,785	1/2	149,229	1/2	162,673	1/2	176,117	1/2	189,328	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	136,065	3/4	149,509	3/4	162,953	3/4	176,397	3/4	189,538	3/4		3/4		3/4		3/4		3/4		3/4	
<b>5</b>	<b>136,345</b>	<b>5</b>	<b>149,789</b>	<b>5</b>	<b>163,233</b>	<b>5</b>	<b>176,677</b>	<b>5</b>	<b>189,748</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	136,625	1/4	150,069	1/4	163,513	1/4	176,957	1/4	189,911	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	136,905	1/2	150,349	1/2	163,793	1/2	177,237	1/2	190,075	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	137,185	3/4	150,629	3/4	164,073	3/4	177,518	3/4	190,238	3/4		3/4		3/4		3/4		3/4		3/4	
<b>6</b>	<b>137,465</b>	<b>6</b>	<b>150,909</b>	<b>6</b>	<b>164,354</b>	<b>6</b>	<b>177,798</b>	<b>6</b>	<b>190,401</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	137,745	1/4	151,189	1/4	164,634	1/4	178,078	1/4	190,518	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	138,025	1/2	151,470	1/2	164,914	1/2	178,358	1/2	190,635	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	138,306	3/4	151,750	3/4	165,194	3/4	178,638	3/4	190,752	3/4		3/4		3/4		3/4		3/4		3/4	
<b>7</b>	<b>138,586</b>	<b>7</b>	<b>152,030</b>	<b>7</b>	<b>165,474</b>	<b>7</b>	<b>178,918</b>	<b>7</b>	<b>190,868</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	138,866	1/4	152,310	1/4	165,754	1/4	179,198	1/4	190,938	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	139,146	1/2	152,590	1/2	166,034	1/2	179,478	1/2	191,008	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	139,426	3/4	152,870	3/4	166,314	3/4	179,758	3/4	191,078	3/4		3/4		3/4		3/4		3/4		3/4	
<b>8</b>	<b>139,706</b>	<b>8</b>	<b>153,150</b>	<b>8</b>	<b>166,594</b>	<b>8</b>	<b>180,038</b>	<b>8</b>	<b>191,148</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	139,986	1/4	153,430	1/4	166,874	1/4	180,318	1/4	191,172	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	140,266	1/2	153,710	1/2	167,154	1/2	180,598	1/2	191,195	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	140,546	3/4	153,990	3/4	167,434	3/4	180,879	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>9</b>	<b>140,826</b>	<b>9</b>	<b>154,270</b>	<b>9</b>	<b>167,715</b>	<b>9</b>	<b>181,159</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>	<b>9</b>
1/4	141,106	1/4	154,551	1/4	167,995	1/4	181,439	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	141,386	1/2	154,831	1/2	168,275	1/2	181,719	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	141,667	3/4	155,111	3/4	168,555	3/4	181,999	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>10</b>	<b>141,947</b>	<b>10</b>	<b>155,391</b>	<b>10</b>	<b>168,835</b>	<b>10</b>	<b>182,279</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>	<b>10</b>
1/4	142,227	1/4	155,671	1/4	169,115	1/4	182,559	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	142,507	1/2	155,951	1/2	169,395	1/2	182,839	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	142,787	3/4	156,231	3/4	169,675	3/4	183,119	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>11</b>	<b>143,067</b>	<b>11</b>	<b>156,511</b>	<b>11</b>	<b>169,955</b>	<b>11</b>	<b>183,399</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>	<b>11</b>
1/4	143,347	1/4	156,791	1/4	170,235	1/4	183,679	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	143,627	1/2	157,071	1/2	170,515	1/2	183,959	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	143,907	3/4	157,351	3/4	170,795	3/4	184,240	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 8/26/2019 SW  
CALCULATED: 08/27/2019 CL  
PRINTED: 08/27/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

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



# BARGE "CBC 1415"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	39	0	8,984	0	20,969	0	32,939	0	44,912	0	56,897	0	68,882	0	80,867	0	92,852	0	104,837
1/4	60	1/4	9,234	1/4	21,218	1/4	33,188	1/4	45,162	1/4	57,147	1/4	69,132	1/4	81,117	1/4	93,102	1/4	105,087
1/2	81	1/2	9,483	1/2	21,468	1/2	33,437	1/2	45,412	1/2	57,397	1/2	69,382	1/2	81,367	1/2	93,351	1/2	105,336
3/4	102	3/4	9,733	3/4	21,718	3/4	33,686	3/4	45,661	3/4	57,646	3/4	69,631	3/4	81,616	3/4	93,601	3/4	105,586
1	123	1	9,983	1	21,967	1	33,935	1	45,911	1	57,896	1	69,881	1	81,866	1	93,851	1	105,836
1/4	185	1/4	10,233	1/4	22,217	1/4	34,184	1/4	46,161	1/4	58,146	1/4	70,131	1/4	82,116	1/4	94,101	1/4	106,085
1/2	247	1/2	10,482	1/2	22,467	1/2	34,433	1/2	46,410	1/2	58,395	1/2	70,380	1/2	82,365	1/2	94,350	1/2	106,335
3/4	310	3/4	10,732	3/4	22,716	3/4	34,682	3/4	46,660	3/4	58,645	3/4	70,630	3/4	82,615	3/4	94,600	3/4	106,585
2	372	2	10,982	2	22,966	2	34,931	2	46,910	2	58,895	2	70,880	2	82,865	2	94,850	2	106,835
1/4	476	1/4	11,231	1/4	23,216	1/4	35,180	1/4	47,160	1/4	59,144	1/4	71,129	1/4	83,114	1/4	95,099	1/4	107,084
1/2	580	1/2	11,481	1/2	23,465	1/2	35,429	1/2	47,409	1/2	59,394	1/2	71,379	1/2	83,364	1/2	95,349	1/2	107,334
3/4	684	3/4	11,731	3/4	23,715	3/4	35,678	3/4	47,659	3/4	59,644	3/4	71,629	3/4	83,614	3/4	95,599	3/4	107,584
3	788	3	11,980	3	23,965	3	35,927	3	47,909	3	59,894	3	71,878	3	83,863	3	95,848	3	107,833
1/4	934	1/4	12,230	1/4	24,214	1/4	36,175	1/4	48,158	1/4	60,143	1/4	72,128	1/4	84,113	1/4	96,098	1/4	108,083
1/2	1,080	1/2	12,480	1/2	24,464	1/2	36,424	1/2	48,408	1/2	60,393	1/2	72,378	1/2	84,363	1/2	96,348	1/2	108,333
3/4	1,225	3/4	12,729	3/4	24,714	3/4	36,673	3/4	48,658	3/4	60,643	3/4	72,628	3/4	84,612	3/4	96,597	3/4	108,582
4	1,371	4	12,979	4	24,963	4	36,922	4	48,907	4	60,892	4	72,877	4	84,862	4	96,847	4	108,832
1/4	1,558	1/4	13,229	1/4	25,213	1/4	37,172	1/4	49,157	1/4	61,142	1/4	73,127	1/4	85,112	1/4	97,097	1/4	109,082
1/2	1,745	1/2	13,478	1/2	25,463	1/2	37,422	1/2	49,407	1/2	61,392	1/2	73,377	1/2	85,362	1/2	97,346	1/2	109,331
3/4	1,933	3/4	13,728	3/4	25,712	3/4	37,671	3/4	49,656	3/4	61,641	3/4	73,626	3/4	85,611	3/4	97,596	3/4	109,581
5	2,120	5	13,978	5	25,962	5	37,921	5	49,906	5	61,891	5	73,876	5	85,861	5	97,846	5	109,831
1/4	2,348	1/4	14,227	1/4	26,212	1/4	38,171	1/4	50,156	1/4	62,141	1/4	74,126	1/4	86,111	1/4	98,096	1/4	110,080
1/2	2,576	1/2	14,477	1/2	26,462	1/2	38,420	1/2	50,405	1/2	62,390	1/2	74,375	1/2	86,360	1/2	98,345	1/2	110,330
3/4	2,805	3/4	14,727	3/4	26,711	3/4	38,670	3/4	50,655	3/4	62,640	3/4	74,625	3/4	86,610	3/4	98,595	3/4	110,580
6	3,033	6	14,976	6	26,961	6	38,920	6	50,905	6	62,890	6	74,875	6	86,860	6	98,845	6	110,830
1/4	3,278	1/4	15,226	1/4	27,210	1/4	39,170	1/4	51,154	1/4	63,139	1/4	75,124	1/4	87,109	1/4	99,094	1/4	111,079
1/2	3,522	1/2	15,476	1/2	27,460	1/2	39,419	1/2	51,404	1/2	63,389	1/2	75,374	1/2	87,359	1/2	99,344	1/2	111,329
3/4	3,767	3/4	15,725	3/4	27,709	3/4	39,669	3/4	51,654	3/4	63,639	3/4	75,624	3/4	87,609	3/4	99,594	3/4	111,579
7	4,012	7	15,975	7	27,958	7	39,919	7	51,904	7	63,888	7	75,873	7	87,858	7	99,843	7	111,828
1/4	4,259	1/4	16,225	1/4	28,207	1/4	40,168	1/4	52,153	1/4	64,138	1/4	76,123	1/4	88,108	1/4	100,093	1/4	112,078
1/2	4,505	1/2	16,474	1/2	28,457	1/2	40,418	1/2	52,403	1/2	64,388	1/2	76,373	1/2	88,358	1/2	100,343	1/2	112,328
3/4	4,752	3/4	16,724	3/4	28,706	3/4	40,668	3/4	52,653	3/4	64,638	3/4	76,622	3/4	88,607	3/4	100,592	3/4	112,577
8	4,999	8	16,974	8	28,955	8	40,917	8	52,902	8	64,887	8	76,872	8	88,857	8	100,842	8	112,827
1/4	5,247	1/4	17,223	1/4	29,204	1/4	41,167	1/4	53,152	1/4	65,137	1/4	77,122	1/4	89,107	1/4	101,092	1/4	113,077
1/2	5,495	1/2	17,473	1/2	29,453	1/2	41,417	1/2	53,402	1/2	65,387	1/2	77,372	1/2	89,356	1/2	101,341	1/2	113,326
3/4	5,744	3/4	17,723	3/4	29,702	3/4	41,666	3/4	53,651	3/4	65,636	3/4	77,621	3/4	89,606	3/4	101,591	3/4	113,576
9	5,992	9	17,972	9	29,951	9	41,916	9	53,901	9	65,886	9	77,871	9	89,856	9	101,841	9	113,826
1/4	6,241	1/4	18,222	1/4	30,200	1/4	42,166	1/4	54,151	1/4	66,136	1/4	78,121	1/4	90,106	1/4	102,090	1/4	114,075
1/2	6,490	1/2	18,472	1/2	30,449	1/2	42,415	1/2	54,400	1/2	66,385	1/2	78,370	1/2	90,355	1/2	102,340	1/2	114,325
3/4	6,739	3/4	18,722	3/4	30,698	3/4	42,665	3/4	54,650	3/4	66,635	3/4	78,620	3/4	90,605	3/4	102,590	3/4	114,575
10	6,988	10	18,971	10	30,947	10	42,915	10	54,900	10	66,885	10	78,870	10	90,855	10	102,840	10	114,824
1/4	7,237	1/4	19,221	1/4	31,196	1/4	43,165	1/4	55,149	1/4	67,134	1/4	79,119	1/4	91,104	1/4	103,089	1/4	115,074
1/2	7,487	1/2	19,471	1/2	31,445	1/2	43,414	1/2	55,399	1/2	67,384	1/2	79,369	1/2	91,354	1/2	103,339	1/2	115,324
3/4	7,736	3/4	19,720	3/4	31,694	3/4	43,664	3/4	55,649	3/4	67,634	3/4	79,619	3/4	91,604	3/4	103,589	3/4	115,574
11	7,985	11	19,970	11	31,943	11	43,914	11	55,899	11	67,883	11	79,868	11	91,853	11	103,838	11	115,823
1/4	8,235	1/4	20,220	1/4	32,192	1/4	44,163	1/4	56,148	1/4	68,133	1/4	80,118	1/4	92,103	1/4	104,088	1/4	116,073
1/2	8,485	1/2	20,469	1/2	32,441	1/2	44,413	1/2	56,398	1/2	68,383	1/2	80,368	1/2	92,353	1/2	104,338	1/2	116,323
3/4	8,734	3/4	20,719	3/4	32,690	3/4	44,663	3/4	56,648	3/4	68,633	3/4	80,617	3/4	92,602	3/4	104,587	3/4	116,572

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'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "CBC 1415"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	116,822	0	128,807	0	140,792	0	152,777	0	164,762	0		0		0		0		0	
1/4	117,072	1/4	129,057	1/4	141,042	1/4	153,026	1/4	165,011	1/4		1/4		1/4		1/4		1/4	
1/2	117,321	1/2	129,306	1/2	141,291	1/2	153,276	1/2	165,261	1/2		1/2		1/2		1/2		1/2	
3/4	117,571	3/4	129,556	3/4	141,541	3/4	153,526	3/4	165,511	3/4		3/4		3/4		3/4		3/4	
1	117,821	1	129,806	1	141,791	1	153,776	1	165,761	1		1		1		1		1	
1/4	118,070	1/4	130,055	1/4	142,040	1/4	154,025	1/4	166,010	1/4		1/4		1/4		1/4		1/4	
1/2	118,320	1/2	130,305	1/2	142,290	1/2	154,275	1/2	166,260	1/2		1/2		1/2		1/2		1/2	
3/4	118,570	3/4	130,555	3/4	142,540	3/4	154,525	3/4	166,510	3/4		3/4		3/4		3/4		3/4	
2	118,819	2	130,804	2	142,789	2	154,774	2	166,759	2		2		2		2		2	
1/4	119,069	1/4	131,054	1/4	143,039	1/4	155,024	1/4	167,009	1/4		1/4		1/4		1/4		1/4	
1/2	119,319	1/2	131,304	1/2	143,289	1/2	155,274	1/2	167,259	1/2		1/2		1/2		1/2		1/2	
3/4	119,569	3/4	131,553	3/4	143,538	3/4	155,523	3/4	167,508	3/4		3/4		3/4		3/4		3/4	
3	119,818	3	131,803	3	143,788	3	155,773	3	167,758	3		3		3		3		3	
1/4	120,068	1/4	132,053	1/4	144,038	1/4	156,023	1/4	167,987	1/4		1/4		1/4		1/4		1/4	
1/2	120,318	1/2	132,303	1/2	144,287	1/2	156,272	1/2	168,216	1/2		1/2		1/2		1/2		1/2	
3/4	120,567	3/4	132,552	3/4	144,537	3/4	156,522	3/4	168,445	3/4		3/4		3/4		3/4		3/4	
4	120,817	4	132,802	4	144,787	4	156,772	4	168,673	4		4		4		4		4	
1/4	121,067	1/4	133,052	1/4	145,037	1/4	157,021	1/4	168,861	1/4		1/4		1/4		1/4		1/4	
1/2	121,316	1/2	133,301	1/2	145,286	1/2	157,271	1/2	169,048	1/2		1/2		1/2		1/2		1/2	
3/4	121,566	3/4	133,551	3/4	145,536	3/4	157,521	3/4	169,235	3/4		3/4		3/4		3/4		3/4	
5	121,816	5	133,801	5	145,786	5	157,771	5	169,423	5		5		5		5		5	
1/4	122,065	1/4	134,050	1/4	146,035	1/4	158,020	1/4	169,568	1/4		1/4		1/4		1/4		1/4	
1/2	122,315	1/2	134,300	1/2	146,285	1/2	158,270	1/2	169,714	1/2		1/2		1/2		1/2		1/2	
3/4	122,565	3/4	134,550	3/4	146,535	3/4	158,520	3/4	169,859	3/4		3/4		3/4		3/4		3/4	
6	122,814	6	134,799	6	146,784	6	158,769	6	170,005	6		6		6		6		6	
1/4	123,064	1/4	135,049	1/4	147,034	1/4	159,019	1/4	170,109	1/4		1/4		1/4		1/4		1/4	
1/2	123,314	1/2	135,299	1/2	147,284	1/2	159,269	1/2	170,213	1/2		1/2		1/2		1/2		1/2	
3/4	123,564	3/4	135,548	3/4	147,533	3/4	159,518	3/4	170,317	3/4		3/4		3/4		3/4		3/4	
7	123,813	7	135,798	7	147,783	7	159,768	7	170,421	7		7		7		7		7	
1/4	124,063	1/4	136,048	1/4	148,033	1/4	160,018	1/4	170,484	1/4		1/4		1/4		1/4		1/4	
1/2	124,313	1/2	136,298	1/2	148,282	1/2	160,267	1/2	170,546	1/2		1/2		1/2		1/2		1/2	
3/4	124,562	3/4	136,547	3/4	148,532	3/4	160,517	3/4	170,609	3/4		3/4		3/4		3/4		3/4	
8	124,812	8	136,797	8	148,782	8	160,767	8	170,671	8		8		8		8		8	
1/4	125,062	1/4	137,047	1/4	149,032	1/4	161,016	1/4	170,692	1/4		1/4		1/4		1/4		1/4	
1/2	125,311	1/2	137,296	1/2	149,281	1/2	161,266	1/2	170,713	1/2		1/2		1/2		1/2		1/2	
3/4	125,561	3/4	137,546	3/4	149,531	3/4	161,516	3/4		3/4		3/4		3/4		3/4		3/4	
9	125,811	9	137,796	9	149,781	9	161,766	9		9		9		9		9		9	
1/4	126,060	1/4	138,045	1/4	150,030	1/4	162,015	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,310	1/2	138,295	1/2	150,280	1/2	162,265	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,560	3/4	138,545	3/4	150,530	3/4	162,515	3/4		3/4		3/4		3/4		3/4		3/4	
10	126,809	10	138,794	10	150,779	10	162,764	10		10		10		10		10		10	
1/4	127,059	1/4	139,044	1/4	151,029	1/4	163,014	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,309	1/2	139,294	1/2	151,279	1/2	163,264	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,558	3/4	139,543	3/4	151,528	3/4	163,513	3/4		3/4		3/4		3/4		3/4		3/4	
11	127,808	11	139,793	11	151,778	11	163,763	11		11		11		11		11		11	
1/4	128,058	1/4	140,043	1/4	152,028	1/4	164,013	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,308	1/2	140,292	1/2	152,277	1/2	164,262	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,557	3/4	140,542	3/4	152,527	3/4	164,512	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 8/26/2019 SW  
CALCULATED: 08/27/2019 CL  
PRINTED: 08/27/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "CBC 1415"

## 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>
<b>1 CENTER</b>	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-1/2	01-1/2	- 01-7/8	01-7/8	- 02-1/4	02-1/4
<b>2 CENTER</b>	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8	01-1/8	- 01-1/8
<b>3 CENTER</b>	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	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: 176'-06"

August 27, 2019

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

<http://www.pmacorp.net>



# BARGE "CBC 1415"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 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		0	144,515	0	136,405	0	128,295	0	120,192	0	109,869	0	98,297	0	86,725
1/4		1/4	1/4	1/4		1/4	144,346	1/4	136,236	1/4	128,126	1/4	120,023	1/4	109,628	1/4	98,056	1/4	86,484
1/2		1/2	1/2	1/2		1/2	144,177	1/2	136,067	1/2	127,957	1/2	119,855	1/2	109,387	1/2	97,815	1/2	86,243
3/4		3/4	3/4	3/4		3/4	151,260	3/4	144,008	3/4	135,898	3/4	127,789	3/4	119,687	3/4	109,146	3/4	97,574
1		1		1		1	151,240	1	143,839	1	135,730	1	127,620	1	119,518	1	108,905	1	97,333
1/4		1/4	1/4	1/4		1/4	151,220	1/4	143,670	1/4	135,561	1/4	127,451	1/4	119,350	1/4	108,663	1/4	97,092
1/2		1/2	1/2	1/2		1/2	151,159	1/2	143,502	1/2	135,392	1/2	127,282	1/2	119,181	1/2	108,422	1/2	96,851
3/4		3/4	3/4	3/4		3/4	151,099	3/4	143,333	3/4	135,223	3/4	127,113	3/4	119,013	3/4	108,181	3/4	96,610
2		2		2		2	151,038	2	143,164	2	135,054	2	126,944	2	118,845	2	107,940	2	96,369
1/4		1/4	1/4	1/4		1/4	150,978	1/4	142,995	1/4	134,885	1/4	126,775	1/4	118,676	1/4	107,699	1/4	96,127
1/2		1/2	1/2	1/2		1/2	150,877	1/2	142,826	1/2	134,716	1/2	126,606	1/2	118,508	1/2	107,458	1/2	95,886
3/4		3/4	3/4	3/4		3/4	150,777	3/4	142,657	3/4	134,547	3/4	126,437	3/4	118,339	3/4	107,217	3/4	95,645
3		3		3		3	150,676	3	142,488	3	134,378	3	126,268	3	118,171	3	106,976	3	95,404
1/4		1/4	1/4	1/4		1/4	150,575	1/4	142,319	1/4	134,209	1/4	126,099	1/4	118,003	1/4	106,735	1/4	95,163
1/2		1/2	1/2	1/2		1/2	150,435	1/2	142,150	1/2	134,040	1/2	125,930	1/2	117,835	1/2	106,494	1/2	94,922
3/4		3/4	3/4	3/4		3/4	150,294	3/4	141,981	3/4	133,871	3/4	125,761	3/4	117,667	3/4	106,253	3/4	94,681
4		4		4		4	150,153	4	141,812	4	133,702	4	125,592	4	117,499	4	106,012	4	94,440
1/4		1/4	1/4	1/4		1/4	150,012	1/4	141,643	1/4	133,533	1/4	125,423	1/4	117,331	1/4	105,771	1/4	94,199
1/2		1/2	1/2	1/2		1/2	149,831	1/2	141,474	1/2	133,364	1/2	125,254	1/2	117,091	1/2	105,529	1/2	93,958
3/4		3/4	3/4	3/4		3/4	149,649	3/4	141,305	3/4	133,195	3/4	125,085	3/4	116,850	3/4	105,288	3/4	93,717
5		5		5		5	149,468	5	141,136	5	133,026	5	124,916	5	116,609	5	105,047	5	93,476
1/4		1/4	1/4	1/4		1/4	149,287	1/4	140,967	1/4	132,857	1/4	124,747	1/4	116,369	1/4	104,806	1/4	93,235
1/2		1/2	1/2	1/2		1/2	149,066	1/2	140,798	1/2	132,688	1/2	124,578	1/2	116,128	1/2	104,565	1/2	92,993
3/4		3/4	3/4	3/4		3/4	148,844	3/4	140,629	3/4	132,519	3/4	124,409	3/4	115,888	3/4	104,324	3/4	92,752
6		6		6		6	148,623	6	140,460	6	132,350	6	124,240	6	115,647	6	104,083	6	92,511
1/4		1/4	1/4	1/4		1/4	148,401	1/4	140,291	1/4	132,181	1/4	124,071	1/4	115,407	1/4	103,842	1/4	92,270
1/2		1/2	1/2	1/2		1/2	148,232	1/2	140,122	1/2	132,012	1/2	123,903	1/2	115,166	1/2	103,601	1/2	92,029
3/4		3/4	3/4	3/4		3/4	148,063	3/4	139,953	3/4	131,843	3/4	123,734	3/4	114,926	3/4	103,360	3/4	91,788
7		7		7		7	147,894	7	139,784	7	131,675	7	123,565	7	114,685	7	103,119	7	91,547
1/4		1/4	1/4	1/4		1/4	147,725	1/4	139,616	1/4	131,506	1/4	123,396	1/4	114,445	1/4	102,878	1/4	91,306
1/2		1/2	1/2	1/2		1/2	147,556	1/2	139,447	1/2	131,337	1/2	123,227	1/2	114,204	1/2	102,637	1/2	91,065
3/4		3/4	3/4	3/4		3/4	147,388	3/4	139,278	3/4	131,168	3/4	123,058	3/4	113,964	3/4	102,395	3/4	90,824
8		8		8		8	147,219	8	139,109	8	130,999	8	122,889	8	113,723	8	102,154	8	90,583
1/4		1/4	1/4	1/4		1/4	147,050	1/4	138,940	1/4	130,830	1/4	122,720	1/4	113,483	1/4	101,913	1/4	90,342
1/2		1/2	1/2	1/2		1/2	146,881	1/2	138,771	1/2	130,661	1/2	122,551	1/2	113,242	1/2	101,672	1/2	90,101
3/4		3/4	3/4	3/4		3/4	146,712	3/4	138,602	3/4	130,492	3/4	122,382	3/4	113,002	3/4	101,431	3/4	89,859
9		9		9		9	146,543	9	138,433	9	130,323	9	122,213	9	112,761	9	101,190	9	89,618
1/4		1/4	1/4	1/4		1/4	146,374	1/4	138,264	1/4	130,154	1/4	122,044	1/4	112,521	1/4	100,949	1/4	89,377
1/2		1/2	1/2	1/2		1/2	146,205	1/2	138,095	1/2	129,985	1/2	121,876	1/2	112,280	1/2	100,708	1/2	89,136
3/4		3/4	3/4	3/4		3/4	146,036	3/4	137,926	3/4	129,816	3/4	121,707	3/4	112,039	3/4	100,467	3/4	88,895
10		10		10		10	145,867	10	137,757	10	129,647	10	121,539	10	111,797	10	100,226	10	88,654
1/4		1/4	1/4	1/4		1/4	145,698	1/4	137,588	1/4	129,478	1/4	121,370	1/4	111,556	1/4	99,985	1/4	88,413
1/2		1/2	1/2	1/2		1/2	145,529	1/2	137,419	1/2	129,309	1/2	121,202	1/2	111,315	1/2	99,744	1/2	88,172
3/4		3/4	3/4	3/4		3/4	145,360	3/4	137,250	3/4	129,140	3/4	121,034	3/4	111,074	3/4	99,503	3/4	87,931
11		11		11		11	145,191	11	137,081	11	128,971	11	120,865	11	110,833	11	99,261	11	87,690
1/4		1/4	1/4	1/4		1/4	145,022	1/4	136,912	1/4	128,802	1/4	120,697	1/4	110,592	1/4	99,020	1/4	87,449
1/2		1/2	1/2	1/2		1/2	144,853	1/2	136,743	1/2	128,633	1/2	120,528	1/2	110,351	1/2	98,779	1/2	87,208
3/4		3/4	3/4	3/4		3/4	144,684	3/4	136,574	3/4	128,464	3/4	120,360	3/4	110,110	3/4	98,538	3/4	86,966

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'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "CBC 1415"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 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	75,195	0	63,637	0	52,069	0	40,502	0	29,128	0	17,631	0	6,039	0		0		0	
1/4	74,956	1/4	63,396	1/4	51,828	1/4	40,261	1/4	28,895	1/4	17,389	1/4	5,798	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,715	1/2	63,155	1/2	51,587	1/2	40,020	1/2	28,661	1/2	17,148	1/2	5,558	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,475	3/4	62,914	3/4	51,346	3/4	39,779	3/4	28,427	3/4	16,906	3/4	5,318	3/4	3/4	3/4	3/4	3/4	3/4
1	74,235	1	62,673	1	51,106	1	39,538	1	28,193	1	16,665	1	5,078	1	1	1	1	1	1
1/4	73,994	1/4	62,432	1/4	50,865	1/4	39,297	1/4	27,959	1/4	16,423	1/4	4,838	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,754	1/2	62,191	1/2	50,624	1/2	39,056	1/2	27,725	1/2	16,182	1/2	4,599	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,513	3/4	61,950	3/4	50,383	3/4	38,815	3/4	27,491	3/4	15,940	3/4	4,360	3/4	3/4	3/4	3/4	3/4	3/4
2	73,273	2	61,709	2	50,142	2	38,574	2	27,257	2	15,698	2	4,121	2	2	2	2	2	2
1/4	73,033	1/4	61,468	1/4	49,901	1/4	38,333	1/4	27,022	1/4	15,457	1/4	3,882	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,792	1/2	61,227	1/2	49,660	1/2	38,092	1/2	26,788	1/2	15,215	1/2	3,645	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,552	3/4	60,986	3/4	49,419	3/4	37,851	3/4	26,554	3/4	14,974	3/4	3,409	3/4	3/4	3/4	3/4	3/4	3/4
3	72,311	3	60,745	3	49,178	3	37,610	3	26,320	3	14,732	3	3,172	3	3	3	3	3	3
1/4	72,071	1/4	60,504	1/4	48,937	1/4	37,369	1/4	26,086	1/4	14,491	1/4	2,935	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,830	1/2	60,263	1/2	48,696	1/2	37,128	1/2	25,844	1/2	14,249	1/2	2,714	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,589	3/4	60,022	3/4	48,455	3/4	36,887	3/4	25,603	3/4	14,007	3/4	2,494	3/4	3/4	3/4	3/4	3/4	3/4
4	71,348	4	59,781	4	48,214	4	36,647	4	25,361	4	13,766	4	2,273	4	4	4	4	4	4
1/4	71,107	1/4	59,540	1/4	47,973	1/4	36,406	1/4	25,119	1/4	13,524	1/4	2,052	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,866	1/2	59,299	1/2	47,732	1/2	36,165	1/2	24,878	1/2	13,283	1/2	1,871	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,625	3/4	59,058	3/4	47,491	3/4	35,924	3/4	24,636	3/4	13,041	3/4	1,690	3/4	3/4	3/4	3/4	3/4	3/4
5	70,384	5	58,817	5	47,250	5	35,683	5	24,395	5	12,800	5	1,509	5	5	5	5	5	5
1/4	70,143	1/4	58,576	1/4	47,009	1/4	35,442	1/4	24,153	1/4	12,558	1/4	1,327	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,902	1/2	58,335	1/2	46,768	1/2	35,208	1/2	23,912	1/2	12,316	1/2	1,187	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,661	3/4	58,094	3/4	46,527	3/4	34,974	3/4	23,670	3/4	12,075	3/4	1,046	3/4	3/4	3/4	3/4	3/4	3/4
6	69,420	6	57,853	6	46,286	6	34,740	6	23,428	6	11,833	6	905	6	6	6	6	6	6
1/4	69,179	1/4	57,612	1/4	46,045	1/4	34,506	1/4	23,187	1/4	11,592	1/4	764	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,938	1/2	57,371	1/2	45,804	1/2	34,272	1/2	22,945	1/2	11,350	1/2	663	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,697	3/4	57,130	3/4	45,563	3/4	34,039	3/4	22,704	3/4	11,109	3/4	563	3/4	3/4	3/4	3/4	3/4	3/4
7	68,456	7	56,889	7	45,322	7	33,805	7	22,462	7	10,867	7	462	7	7	7	7	7	7
1/4	68,215	1/4	56,648	1/4	45,081	1/4	33,571	1/4	22,221	1/4	10,626	1/4	361	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,974	1/2	56,407	1/2	44,840	1/2	33,337	1/2	21,979	1/2	10,384	1/2	301	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,733	3/4	56,166	3/4	44,599	3/4	33,103	3/4	21,737	3/4	10,142	3/4	241	3/4	3/4	3/4	3/4	3/4	3/4
8	67,492	8	55,925	8	44,358	8	32,870	8	21,496	8	9,901	8	180	8	8	8	8	8	8
1/4	67,251	1/4	55,684	1/4	44,117	1/4	32,636	1/4	21,254	1/4	9,659	1/4	120	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,010	1/2	55,443	1/2	43,876	1/2	32,402	1/2	21,013	1/2	9,418	1/2	100	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,769	3/4	55,202	3/4	43,635	3/4	32,168	3/4	20,771	3/4	9,176	3/4	80	3/4	3/4	3/4	3/4	3/4	3/4
9	66,528	9	54,961	9	43,394	9	31,934	9	20,530	9	8,935	9	59	9	9	9	9	9	9
1/4	66,287	1/4	54,720	1/4	43,153	1/4	31,700	1/4	20,288	1/4	8,693	1/4	39	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,046	1/2	54,479	1/2	42,912	1/2	31,467	1/2	20,047	1/2	8,451	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,805	3/4	54,238	3/4	42,671	3/4	31,233	3/4	19,805	3/4	8,210	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	65,564	10	53,997	10	42,430	10	30,999	10	19,563	10	7,968	10		10	10	10	10	10	10
1/4	65,324	1/4	53,756	1/4	42,189	1/4	30,765	1/4	19,322	1/4	7,727	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,083	1/2	53,515	1/2	41,948	1/2	30,531	1/2	19,080	1/2	7,485	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,842	3/4	53,274	3/4	41,707	3/4	30,298	3/4	18,839	3/4	7,244	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	64,601	11	53,033	11	41,466	11	30,064	11	18,597	11	7,003	11		11	11	11	11	11	11
1/4	64,360	1/4	52,792	1/4	41,225	1/4	29,830	1/4	18,356	1/4	6,761	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,119	1/2	52,551	1/2	40,984	1/2	29,596	1/2	18,114	1/2	6,521	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,878	3/4	52,310	3/4	40,743	3/4	29,362	3/4	17,872	3/4	6,280	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 8/26/2019 SW  
CALCULATED: 08/27/2019 CL  
PRINTED: 08/27/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

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



# BARGE "CBC 1415"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	180,879	0	167,434	0	153,990	0	140,546	0	127,102	0	113,658	0	100,214		
1/4	1/4	1/4	1/4	191,195	180,598	171,154	157,710	144,266	130,822	117,378	103,934	90,490	77,046	63,602	50,158	36,714	23,270	9,826	
1/2	1/2	1/2	1/2	191,172	180,318	170,874	157,430	143,986	130,542	117,098	103,654	90,210	76,766	63,322	49,878	36,434	23,026	9,578	
3/4	3/4	3/4	3/4	191,148	180,038	170,594	157,190	143,746	130,302	116,854	103,410	90,016	76,572	63,078	49,634	36,186	22,782	9,330	
1	1	1	1	191,078	179,758	170,314	156,870	143,426	130,026	116,578	103,134	89,770	76,326	62,834	49,390	35,940	22,538	9,082	
1/4	1/4	1/4	1/4	191,008	179,478	170,034	156,590	143,146	129,746	116,298	102,854	89,530	76,086	62,590	49,146	35,696	22,294	8,834	
1/2	1/2	1/2	1/2	190,938	179,198	169,754	156,310	142,866	129,466	116,060	102,610	89,286	75,842	62,346	48,902	35,452	22,050	8,586	
3/4	3/4	3/4	3/4	190,868	178,918	169,474	156,030	142,586	129,186	115,822	102,370	89,042	75,598	62,102	48,658	35,208	21,806	8,338	
2	2	2	2	190,752	178,638	169,194	155,750	142,306	128,906	115,586	102,130	88,798	75,354	61,858	48,414	34,964	21,562	8,090	
1/4	1/4	1/4	1/4	190,635	178,358	168,914	155,470	142,026	128,626	115,350	101,890	88,554	75,110	61,614	48,170	34,720	21,318	7,842	
1/2	1/2	1/2	1/2	190,518	178,078	168,634	155,190	141,746	128,346	115,114	101,650	88,310	74,866	61,370	47,926	34,476	21,074	7,594	
3/4	3/4	3/4	3/4	190,401	177,798	168,354	154,906	141,466	128,066	114,878	101,410	88,066	74,622	61,126	47,682	34,232	20,830	7,346	
3	3	3	3	190,238	177,518	168,074	154,626	141,186	127,786	114,642	101,170	87,822	74,378	60,882	47,438	33,988	20,586	7,098	
1/4	1/4	1/4	1/4	190,075	177,237	167,793	154,346	140,906	127,506	114,406	100,930	87,578	74,134	60,638	47,194	33,744	20,342	6,850	
1/2	1/2	1/2	1/2	189,911	176,957	167,513	154,066	140,626	127,226	114,170	100,690	87,334	73,890	60,394	46,950	33,500	20,098	6,602	
3/4	3/4	3/4	3/4	189,748	176,677	167,233	153,786	140,346	126,946	113,934	100,450	87,090	73,646	60,150	46,706	33,256	19,854	6,354	
4	4	4	4	189,538	176,397	166,953	153,506	140,066	126,666	113,698	100,210	86,846	73,402	59,906	46,462	33,012	19,610	6,106	
1/4	1/4	1/4	1/4	189,328	176,117	166,673	153,226	139,786	126,386	113,462	99,970	86,602	73,158	59,662	46,218	32,768	19,366	5,858	
1/2	1/2	1/2	1/2	189,118	175,837	166,393	152,946	139,506	126,106	113,226	99,730	86,358	72,914	59,418	45,974	32,524	19,122	5,610	
3/4	3/4	3/4	3/4	188,908	175,557	166,113	152,666	139,226	125,826	112,990	99,490	86,114	72,670	59,174	45,730	32,280	18,878	5,362	
5	5	5	5	188,651	175,277	165,833	152,386	138,946	125,546	112,754	99,250	85,870	72,426	58,930	45,486	32,036	18,634	5,114	
1/4	1/4	1/4	1/4	188,394	174,997	165,553	152,106	138,666	125,266	112,518	99,010	85,626	72,182	58,686	45,242	31,792	18,390	4,866	
1/2	1/2	1/2	1/2	188,137	174,717	165,273	151,826	138,386	124,986	112,282	98,770	85,382	71,938	58,442	45,000	31,548	18,146	4,618	
3/4	3/4	3/4	3/4	187,881	174,437	164,993	151,546	138,106	124,706	112,046	98,530	85,138	71,694	58,198	44,756	31,304	17,902	4,370	
6	6	6	6	187,601	174,157	164,713	151,266	137,826	124,426	111,810	98,290	84,894	71,450	57,954	44,512	31,060	17,658	4,122	
1/4	1/4	1/4	1/4	187,321	173,876	164,433	150,986	137,546	124,146	111,574	98,050	84,650	71,206	57,710	44,268	30,816	17,414	3,874	
1/2	1/2	1/2	1/2	187,040	173,596	164,153	150,706	137,266	123,866	111,338	97,810	84,406	70,962	57,466	44,024	30,572	17,170	3,626	
3/4	3/4	3/4	3/4	186,760	173,316	163,873	150,426	136,986	123,586	111,102	97,570	84,162	70,718	57,222	43,780	30,328	16,926	3,378	
7	7	7	7	186,480	173,036	163,593	150,146	136,706	123,306	110,866	97,330	83,918	70,474	56,978	43,536	30,084	16,682	3,130	
1/4	1/4	1/4	1/4	186,200	172,756	163,313	149,866	136,426	123,026	110,630	97,090	83,674	70,230	56,734	43,290	29,840	16,438	2,882	
1/2	1/2	1/2	1/2	185,920	172,476	163,033	149,586	136,146	122,746	110,394	96,850	83,430	69,986	56,490	43,046	29,596	16,194	2,634	
3/4	3/4	3/4	3/4	185,640	172,196	162,753	149,306	135,866	122,466	110,158	96,610	83,186	69,742	56,246	42,802	29,352	15,950	2,386	
8	8	8	8	185,360	171,916	162,473	149,026	135,586	122,186	109,922	96,370	82,942	69,498	56,002	42,558	29,108	15,706	2,138	
1/4	1/4	1/4	1/4	185,080	171,636	162,193	148,746	135,306	121,906	109,686	96,130	82,698	69,254	55,758	41,814	28,864	15,462	1,890	
1/2	1/2	1/2	1/2	184,800	171,356	161,913	148,466	135,026	121,626	109,450	95,890	82,454	69,010	55,514	41,570	28,620	15,218	1,642	
3/4	3/4	3/4	3/4	184,520	171,076	161,633	148,186	134,746	121,346	109,214	95,650	82,210	68,766	55,270	41,326	28,376	14,974	1,394	
9	9	9	9	184,240	170,795	161,353	147,906	134,466	121,066	108,974	95,410	81,966	68,522	55,026	41,082	28,132	14,730	1,146	
1/4	1/4	1/4	1/4	183,959	170,515	161,073	147,626	134,186	120,786	108,738	95,170	81,722	68,278	54,782	40,838	27,888	14,486	898	
1/2	1/2	1/2	1/2	183,679	170,235	160,793	147,346	133,906	120,506	108,502	94,930	81,478	68,034	54,538	40,594	27,644	14,242	650	
3/4	3/4	3/4	3/4	183,399	169,955	160,513	147,066	133,626	120,226	108,266	94,690	81,234	67,790	54,294	40,350	27,400	13,998	402	
10	10	10	10	183,119	169,675	160,233	146,786	133,346	119,946	108,030	94,450	80,990	67,546	54,050	40,106	27,156	13,754	150	
1/4	1/4	1/4	1/4	182,839	169,395	159,953	146,506	133,066	119,666	107,794	94,210	80,746	67,302	53,806	39,862	26,912	13,510	102	
1/2	1/2	1/2	1/2	182,559	169,115	159,673	146,226	132,786	119,386	107,558	93,970	80,502	67,058	53,562	39,618	26,668	13,266	74	
3/4	3/4	3/4	3/4	182,279	168,835	159,393	145,946	132,506	119,106	107,318	93,730	80,258	66,814	53,318	39,374	26,424	13,022	46	
11	11	11	11	181,999	168,555	159,113	145,666	132,226	118,826	107,082	93,490	80,014	66,570	53,074	39,130	26,180	12,778	18	
1/4	1/4	1/4	1/4	181,719	168,275	158,833	145,386	131,946	118,546	106,846	93,250	79,770	66,326	52,830	38,886	25,936	12,534	10	
1/2	1/2	1/2	1/2	181,439	167,995	158,553	145,106	131,666	118,266	106,606	93,010	79,526	66,082	52,586	38,642	25,692	12,290	6	
3/4	3/4	3/4	3/4	181,159	167,715	158,273	144,826	131,386	117,986	106,370	92,770	79,282	65,838	52,342	38,398	25,448	12,046	2	

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'-00" FORWARD OF AFT BULKHEAD

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



# BARGE "CBC 1415"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

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	86,490	1/4	73,046	1/4	59,602	1/4	46,157	1/4	32,992	1/4	19,596	1/4	6,160	1/4		1/4		1/4			
1/2	86,210	1/2	72,766	1/2	59,321	1/2	45,877	1/2	32,720	1/2	19,316	1/2	5,881	1/2		1/2		1/2			
3/4	85,930	3/4	72,485	3/4	59,041	3/4	45,597	3/4	32,448	3/4	19,036	3/4	5,603	3/4		3/4		3/4			
<b>1</b>	<b>85,649</b>	<b>1</b>	<b>72,205</b>	<b>1</b>	<b>58,761</b>	<b>1</b>	<b>45,317</b>	<b>1</b>	<b>32,176</b>	<b>1</b>	<b>18,756</b>	<b>1</b>	<b>5,326</b>	<b>1</b>		<b>1</b>		<b>1</b>			
1/4	85,369	1/4	71,925	1/4	58,481	1/4	45,037	1/4	31,903	1/4	18,475	1/4	5,049	1/4		1/4		1/4			
1/2	85,089	1/2	71,645	1/2	58,201	1/2	44,757	1/2	31,631	1/2	18,195	1/2	4,772	1/2		1/2		1/2			
3/4	84,809	3/4	71,365	3/4	57,921	3/4	44,477	3/4	31,359	3/4	17,915	3/4	4,495	3/4		3/4		3/4			
<b>2</b>	<b>84,529</b>	<b>2</b>	<b>71,085</b>	<b>2</b>	<b>57,641</b>	<b>2</b>	<b>44,197</b>	<b>2</b>	<b>31,079</b>	<b>2</b>	<b>17,635</b>	<b>2</b>	<b>4,221</b>	<b>2</b>		<b>2</b>		<b>2</b>			
1/4	84,249	1/4	70,805	1/4	57,361	1/4	43,917	1/4	30,799	1/4	17,355	1/4	3,946	1/4		1/4		1/4			
1/2	83,969	1/2	70,525	1/2	57,081	1/2	43,637	1/2	30,519	1/2	17,075	1/2	3,672	1/2		1/2		1/2			
3/4	83,689	3/4	70,245	3/4	56,801	3/4	43,357	3/4	30,239	3/4	16,795	3/4	3,397	3/4		3/4		3/4			
<b>3</b>	<b>83,409</b>	<b>3</b>	<b>69,965</b>	<b>3</b>	<b>56,521</b>	<b>3</b>	<b>43,076</b>	<b>3</b>	<b>29,959</b>	<b>3</b>	<b>16,515</b>	<b>3</b>	<b>3,141</b>	<b>3</b>		<b>3</b>		<b>3</b>			
1/4	83,129	1/4	69,685	1/4	56,241	1/4	42,796	1/4	29,678	1/4	16,235	1/4	2,885	1/4		1/4		1/4			
1/2	82,849	1/2	69,405	1/2	55,960	1/2	42,516	1/2	29,398	1/2	15,955	1/2	2,629	1/2		1/2		1/2			
3/4	82,569	3/4	69,124	3/4	55,680	3/4	42,236	3/4	29,118	3/4	15,675	3/4	2,373	3/4		3/4		3/4			
<b>4</b>	<b>82,288</b>	<b>4</b>	<b>68,844</b>	<b>4</b>	<b>55,400</b>	<b>4</b>	<b>41,964</b>	<b>4</b>	<b>28,838</b>	<b>4</b>	<b>15,395</b>	<b>4</b>	<b>2,163</b>	<b>4</b>		<b>4</b>		<b>4</b>			
1/4	82,008	1/4	68,564	1/4	55,120	1/4	41,692	1/4	28,558	1/4	15,115	1/4	1,953	1/4		1/4		1/4			
1/2	81,728	1/2	68,284	1/2	54,840	1/2	41,420	1/2	28,278	1/2	14,834	1/2	1,743	1/2		1/2		1/2			
3/4	81,448	3/4	68,004	3/4	54,560	3/4	41,147	3/4	27,998	3/4	14,554	3/4	1,533	3/4		3/4		3/4			
<b>5</b>	<b>81,168</b>	<b>5</b>	<b>67,724</b>	<b>5</b>	<b>54,280</b>	<b>5</b>	<b>40,875</b>	<b>5</b>	<b>27,718</b>	<b>5</b>	<b>14,274</b>	<b>5</b>	<b>1,370</b>	<b>5</b>		<b>5</b>		<b>5</b>			
1/4	80,888	1/4	67,444	1/4	54,000	1/4	40,604	1/4	27,438	1/4	13,994	1/4	1,206	1/4		1/4		1/4			
1/2	80,608	1/2	67,164	1/2	53,720	1/2	40,332	1/2	27,158	1/2	13,714	1/2	1,043	1/2		1/2		1/2			
3/4	80,328	3/4	66,884	3/4	53,440	3/4	40,060	3/4	26,878	3/4	13,434	3/4	880	3/4		3/4		3/4			
<b>6</b>	<b>80,048</b>	<b>6</b>	<b>66,604</b>	<b>6</b>	<b>53,160</b>	<b>6</b>	<b>39,788</b>	<b>6</b>	<b>26,598</b>	<b>6</b>	<b>13,154</b>	<b>6</b>	<b>763</b>	<b>6</b>		<b>6</b>		<b>6</b>			
1/4	79,768	1/4	66,324	1/4	52,879	1/4	39,516	1/4	26,318	1/4	12,874	1/4	646	1/4		1/4		1/4			
1/2	79,488	1/2	66,043	1/2	52,599	1/2	39,244	1/2	26,037	1/2	12,594	1/2	529	1/2		1/2		1/2			
3/4	79,208	3/4	65,763	3/4	52,319	3/4	38,972	3/4	25,757	3/4	12,314	3/4	413	3/4		3/4		3/4			
<b>7</b>	<b>78,927</b>	<b>7</b>	<b>65,483</b>	<b>7</b>	<b>52,039</b>	<b>7</b>	<b>38,701</b>	<b>7</b>	<b>25,477</b>	<b>7</b>	<b>12,034</b>	<b>7</b>	<b>343</b>	<b>7</b>		<b>7</b>		<b>7</b>			
1/4	78,647	1/4	65,203	1/4	51,759	1/4	38,429	1/4	25,197	1/4	11,754	1/4	273	1/4		1/4		1/4			
1/2	78,367	1/2	64,923	1/2	51,479	1/2	38,157	1/2	24,917	1/2	11,474	1/2	203	1/2		1/2		1/2			
3/4	78,087	3/4	64,643	3/4	51,199	3/4	37,885	3/4	24,637	3/4	11,193	3/4	133	3/4		3/4		3/4			
<b>8</b>	<b>77,807</b>	<b>8</b>	<b>64,363</b>	<b>8</b>	<b>50,919</b>	<b>8</b>	<b>37,613</b>	<b>8</b>	<b>24,357</b>	<b>8</b>	<b>10,913</b>	<b>8</b>	<b>109</b>	<b>8</b>		<b>8</b>		<b>8</b>			
1/4	77,527	1/4	64,083	1/4	50,639	1/4	37,341	1/4	24,077	1/4	10,633	1/4	86	1/4		1/4		1/4			
1/2	77,247	1/2	63,803	1/2	50,359	1/2	37,069	1/2	23,797	1/2	10,353	1/2	63	1/2		1/2		1/2			
3/4	76,967	3/4	63,523	3/4	50,079	3/4	36,798	3/4	23,517	3/4	10,073	3/4	39	3/4		3/4		3/4			
<b>9</b>	<b>76,687</b>	<b>9</b>	<b>63,243</b>	<b>9</b>	<b>49,799</b>	<b>9</b>	<b>36,526</b>	<b>9</b>	<b>23,237</b>	<b>9</b>	<b>9,793</b>	<b>9</b>	<b>---</b>	<b>9</b>		<b>9</b>		<b>9</b>			
1/4	76,407	1/4	62,963	1/4	49,518	1/4	36,254	1/4	22,957	1/4	9,513	1/4		1/4		1/4		1/4			
1/2	76,127	1/2	62,682	1/2	49,238	1/2	35,982	1/2	22,677	1/2	9,233	1/2		1/2		1/2		1/2			
3/4	75,846	3/4	62,402	3/4	48,958	3/4	35,710	3/4	22,397	3/4	8,953	3/4		3/4		3/4		3/4			
<b>10</b>	<b>75,566</b>	<b>10</b>	<b>62,122</b>	<b>10</b>	<b>48,678</b>	<b>10</b>	<b>35,438</b>	<b>10</b>	<b>22,116</b>	<b>10</b>	<b>8,673</b>	<b>10</b>	<b>---</b>	<b>10</b>		<b>10</b>		<b>10</b>			
1/4	75,286	1/4	61,842	1/4	48,398	1/4	35,166	1/4	21,836	1/4	8,393	1/4		1/4		1/4		1/4			
1/2	75,006	1/2	61,562	1/2	48,118	1/2	34,895	1/2	21,556	1/2	8,113	1/2		1/2		1/2		1/2			
3/4	74,726	3/4	61,282	3/4	47,838	3/4	34,623	3/4	21,276	3/4	7,834	3/4		3/4		3/4		3/4			
<b>11</b>	<b>74,446</b>	<b>11</b>	<b>61,002</b>	<b>11</b>	<b>47,558</b>	<b>11</b>	<b>34,351</b>	<b>11</b>	<b>20,996</b>	<b>11</b>	<b>7,554</b>	<b>11</b>	<b>---</b>	<b>11</b>		<b>11</b>		<b>11</b>			
1/4	74,166	1/4	60,722	1/4	47,278	1/4	34,079	1/4	20,716	1/4	7,275	1/4		1/4		1/4		1/4			
1/2	73,886	1/2	60,442	1/2	46,998	1/2	33,807	1/2	20,436	1/2	6,996	1/2		1/2		1/2		1/2			
3/4	73,606	3/4	60,162	3/4	46,718	3/4	33,535	3/4	20,156	3/4	6,716	3/4		3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 8/26/2019 SW  
CALCULATED: 08/27/2019 CL  
PRINTED: 08/27/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

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



# BARGE "CBC 1415"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	161,516	0	149,531	0	137,546	0	125,561	0	113,576	0	101,591	0	89,606
1/4	1/4	1/4	1/4	1/4	170,713	1/4	161,266	1/4	149,281	1/4	137,296	1/4	125,311	1/4	113,326	1/4	101,341	1/4	89,356
1/2	1/2	1/2	1/2	1/2	170,692	1/2	161,016	1/2	149,032	1/2	137,047	1/2	125,062	1/2	113,077	1/2	101,092	1/2	89,107
3/4	3/4	3/4	3/4	3/4	170,671	3/4	160,767	3/4	148,782	3/4	136,797	3/4	124,812	3/4	112,827	3/4	100,842	3/4	88,857
1	1	1	1	1	170,609	1	160,517	1	148,532	1	136,547	1	124,562	1	112,577	1	100,592	1	88,607
1/4	1/4	1/4	1/4	1/4	170,546	1/4	160,267	1/4	148,282	1/4	136,298	1/4	124,313	1/4	112,328	1/4	100,343	1/4	88,358
1/2	1/2	1/2	1/2	1/2	170,484	1/2	160,018	1/2	148,033	1/2	136,048	1/2	124,063	1/2	112,078	1/2	100,093	1/2	88,108
3/4	3/4	3/4	3/4	3/4	170,421	3/4	159,768	3/4	147,783	3/4	135,798	3/4	123,813	3/4	111,828	3/4	99,843	3/4	87,858
2	2	2	2	2	170,317	2	159,518	2	147,533	2	135,548	2	123,564	2	111,579	2	99,594	2	87,609
1/4	1/4	1/4	1/4	1/4	170,213	1/4	159,269	1/4	147,284	1/4	135,299	1/4	123,314	1/4	111,329	1/4	99,344	1/4	87,359
1/2	1/2	1/2	1/2	1/2	170,109	1/2	159,019	1/2	147,034	1/2	135,049	1/2	123,064	1/2	111,079	1/2	99,094	1/2	87,109
3/4	3/4	3/4	3/4	3/4	170,005	3/4	158,769	3/4	146,784	3/4	134,799	3/4	122,814	3/4	110,830	3/4	98,845	3/4	86,860
3	3	3	3	3	169,859	3	158,520	3	146,535	3	134,550	3	122,565	3	110,580	3	98,595	3	86,610
1/4	1/4	1/4	1/4	1/4	169,714	1/4	158,270	1/4	146,285	1/4	134,300	1/4	122,315	1/4	110,330	1/4	98,345	1/4	86,360
1/2	1/2	1/2	1/2	1/2	169,568	1/2	158,020	1/2	146,035	1/2	134,050	1/2	122,065	1/2	110,080	1/2	98,096	1/2	86,111
3/4	3/4	3/4	3/4	3/4	169,423	3/4	157,771	3/4	145,786	3/4	133,801	3/4	121,816	3/4	109,831	3/4	97,846	3/4	85,861
4	4	4	4	4	169,235	4	157,521	4	145,536	4	133,551	4	121,566	4	109,581	4	97,596	4	85,611
1/4	1/4	1/4	1/4	1/4	169,048	1/4	157,271	1/4	145,286	1/4	133,301	1/4	121,316	1/4	109,331	1/4	97,346	1/4	85,362
1/2	1/2	1/2	1/2	1/2	168,861	1/2	157,021	1/2	145,037	1/2	133,052	1/2	121,067	1/2	109,082	1/2	97,097	1/2	85,112
3/4	3/4	3/4	3/4	3/4	168,673	3/4	156,772	3/4	144,787	3/4	132,802	3/4	120,817	3/4	108,832	3/4	96,847	3/4	84,862
5	5	5	5	5	168,445	5	156,522	5	144,537	5	132,552	5	120,567	5	108,582	5	96,597	5	84,612
1/4	1/4	1/4	1/4	1/4	168,216	1/4	156,272	1/4	144,287	1/4	132,303	1/4	120,318	1/4	108,333	1/4	96,348	1/4	84,363
1/2	1/2	1/2	1/2	1/2	167,987	1/2	156,023	1/2	144,038	1/2	132,053	1/2	120,068	1/2	108,083	1/2	96,098	1/2	84,113
3/4	3/4	3/4	3/4	3/4	167,758	3/4	155,773	3/4	143,788	3/4	131,803	3/4	119,818	3/4	107,833	3/4	95,848	3/4	83,863
6	6	6	6	6	167,508	6	155,523	6	143,538	6	131,553	6	119,569	6	107,584	6	95,599	6	83,614
1/4	1/4	1/4	1/4	1/4	167,259	1/4	155,274	1/4	143,289	1/4	131,304	1/4	119,319	1/4	107,334	1/4	95,349	1/4	83,364
1/2	1/2	1/2	1/2	1/2	167,009	1/2	155,024	1/2	143,039	1/2	131,054	1/2	119,069	1/2	107,084	1/2	95,099	1/2	83,114
3/4	3/4	3/4	3/4	3/4	166,759	3/4	154,774	3/4	142,789	3/4	130,804	3/4	118,819	3/4	106,835	3/4	94,850	3/4	82,865
7	7	7	7	7	166,510	7	154,525	7	142,540	7	130,555	7	118,570	7	106,585	7	94,600	7	82,615
1/4	1/4	1/4	1/4	1/4	166,260	1/4	154,275	1/4	142,290	1/4	130,305	1/4	118,320	1/4	106,335	1/4	94,350	1/4	82,365
1/2	1/2	1/2	1/2	1/2	166,010	1/2	154,025	1/2	142,040	1/2	130,055	1/2	118,070	1/2	106,085	1/2	94,101	1/2	82,116
3/4	3/4	3/4	3/4	3/4	165,761	3/4	153,776	3/4	141,791	3/4	129,806	3/4	117,821	3/4	105,836	3/4	93,851	3/4	81,866
8	8	8	8	8	165,511	8	153,526	8	141,541	8	129,556	8	117,571	8	105,586	8	93,601	8	81,616
1/4	1/4	1/4	1/4	1/4	165,261	1/4	153,276	1/4	141,291	1/4	129,306	1/4	117,321	1/4	105,336	1/4	93,351	1/4	81,367
1/2	1/2	1/2	1/2	1/2	165,011	1/2	153,026	1/2	141,042	1/2	129,057	1/2	117,072	1/2	105,087	1/2	93,102	1/2	81,117
3/4	3/4	3/4	3/4	3/4	164,762	3/4	152,777	3/4	140,792	3/4	128,807	3/4	116,822	3/4	104,837	3/4	92,852	3/4	80,867
9	9	9	9	9	164,512	9	152,527	9	140,542	9	128,557	9	116,572	9	104,587	9	92,602	9	80,617
1/4	1/4	1/4	1/4	1/4	164,262	1/4	152,277	1/4	140,292	1/4	128,308	1/4	116,323	1/4	104,338	1/4	92,353	1/4	80,368
1/2	1/2	1/2	1/2	1/2	164,013	1/2	152,028	1/2	140,043	1/2	128,058	1/2	116,073	1/2	104,088	1/2	92,103	1/2	80,118
3/4	3/4	3/4	3/4	3/4	163,763	3/4	151,778	3/4	139,793	3/4	127,808	3/4	115,823	3/4	103,838	3/4	91,853	3/4	79,868
10	10	10	10	10	163,513	10	151,528	10	139,543	10	127,558	10	115,574	10	103,589	10	91,604	10	79,619
1/4	1/4	1/4	1/4	1/4	163,264	1/4	151,279	1/4	139,294	1/4	127,309	1/4	115,324	1/4	103,339	1/4	91,354	1/4	79,369
1/2	1/2	1/2	1/2	1/2	163,014	1/2	151,029	1/2	139,044	1/2	127,059	1/2	115,074	1/2	103,089	1/2	91,104	1/2	79,119
3/4	3/4	3/4	3/4	3/4	162,764	3/4	150,779	3/4	138,794	3/4	126,809	3/4	114,824	3/4	102,840	3/4	90,855	3/4	78,870
11	11	11	11	11	162,515	11	150,530	11	138,545	11	126,560	11	114,575	11	102,590	11	90,605	11	78,620
1/4	1/4	1/4	1/4	1/4	162,265	1/4	150,280	1/4	138,295	1/4	126,310	1/4	114,325	1/4	102,340	1/4	90,355	1/4	78,370
1/2	1/2	1/2	1/2	1/2	162,015	1/2	150,030	1/2	138,045	1/2	126,060	1/2	114,075	1/2	102,090	1/2	90,106	1/2	78,121
3/4	3/4	3/4	3/4	3/4	161,766	3/4	149,781	3/4	137,796	3/4	125,811	3/4	113,826	3/4	101,841	3/4	89,856	3/4	77,871

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'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "CBC 1415"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	77,621	0	65,636	0	53,651	0	41,666	0	29,702	0	17,723	0	5,744	0		0		0	
1/4	77,372	1/4	65,387	1/4	53,402	1/4	41,417	1/4	29,453	1/4	17,473	1/4	5,495	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,122	1/2	65,137	1/2	53,152	1/2	41,167	1/2	29,204	1/2	17,223	1/2	5,247	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,872	3/4	64,887	3/4	52,902	3/4	40,917	3/4	28,955	3/4	16,974	3/4	4,999	3/4	3/4	3/4	3/4	3/4	3/4
1	76,622	1	64,638	1	52,653	1	40,668	1	28,706	1	16,724	1	4,752	1	1	1	1	1	1
1/4	76,373	1/4	64,388	1/4	52,403	1/4	40,418	1/4	28,457	1/4	16,474	1/4	4,505	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,123	1/2	64,138	1/2	52,153	1/2	40,168	1/2	28,207	1/2	16,225	1/2	4,259	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,873	3/4	63,888	3/4	51,904	3/4	39,919	3/4	27,958	3/4	15,975	3/4	4,012	3/4	3/4	3/4	3/4	3/4	3/4
2	75,624	2	63,639	2	51,654	2	39,669	2	27,709	2	15,725	2	3,767	2	2	2	2	2	2
1/4	75,374	1/4	63,389	1/4	51,404	1/4	39,419	1/4	27,460	1/4	15,476	1/4	3,522	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,124	1/2	63,139	1/2	51,154	1/2	39,170	1/2	27,210	1/2	15,226	1/2	3,278	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,875	3/4	62,890	3/4	50,905	3/4	38,920	3/4	26,961	3/4	14,976	3/4	3,033	3/4	3/4	3/4	3/4	3/4	3/4
3	74,625	3	62,640	3	50,655	3	38,670	3	26,711	3	14,727	3	2,805	3	3	3	3	3	3
1/4	74,375	1/4	62,390	1/4	50,405	1/4	38,420	1/4	26,462	1/4	14,477	1/4	2,576	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,126	1/2	62,141	1/2	50,156	1/2	38,171	1/2	26,212	1/2	14,227	1/2	2,348	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,876	3/4	61,891	3/4	49,906	3/4	37,921	3/4	25,962	3/4	13,978	3/4	2,120	3/4	3/4	3/4	3/4	3/4	3/4
4	73,626	4	61,641	4	49,656	4	37,671	4	25,712	4	13,728	4	1,933	4	4	4	4	4	4
1/4	73,377	1/4	61,392	1/4	49,407	1/4	37,422	1/4	25,463	1/4	13,478	1/4	1,745	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,127	1/2	61,142	1/2	49,157	1/2	37,172	1/2	25,213	1/2	13,229	1/2	1,558	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,877	3/4	60,892	3/4	48,907	3/4	36,922	3/4	24,963	3/4	12,979	3/4	1,371	3/4	3/4	3/4	3/4	3/4	3/4
5	72,628	5	60,643	5	48,658	5	36,673	5	24,714	5	12,729	5	1,225	5	5	5	5	5	5
1/4	72,378	1/4	60,393	1/4	48,408	1/4	36,424	1/4	24,464	1/4	12,480	1/4	1,080	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,128	1/2	60,143	1/2	48,158	1/2	36,175	1/2	24,214	1/2	12,230	1/2	934	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,878	3/4	59,894	3/4	47,909	3/4	35,927	3/4	23,965	3/4	11,980	3/4	788	3/4	3/4	3/4	3/4	3/4	3/4
6	71,629	6	59,644	6	47,659	6	35,678	6	23,715	6	11,731	6	684	6	6	6	6	6	6
1/4	71,379	1/4	59,394	1/4	47,409	1/4	35,429	1/4	23,465	1/4	11,481	1/4	580	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,129	1/2	59,144	1/2	47,160	1/2	35,180	1/2	23,216	1/2	11,231	1/2	476	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,880	3/4	58,895	3/4	46,910	3/4	34,931	3/4	22,966	3/4	10,982	3/4	372	3/4	3/4	3/4	3/4	3/4	3/4
7	70,630	7	58,645	7	46,660	7	34,682	7	22,716	7	10,732	7	310	7	7	7	7	7	7
1/4	70,380	1/4	58,395	1/4	46,410	1/4	34,433	1/4	22,467	1/4	10,482	1/4	247	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,131	1/2	58,146	1/2	46,161	1/2	34,184	1/2	22,217	1/2	10,233	1/2	185	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,881	3/4	57,896	3/4	45,911	3/4	33,935	3/4	21,967	3/4	9,983	3/4	123	3/4	3/4	3/4	3/4	3/4	3/4
8	69,631	8	57,646	8	45,661	8	33,686	8	21,718	8	9,733	8	102	8	8	8	8	8	8
1/4	69,382	1/4	57,397	1/4	45,412	1/4	33,437	1/4	21,468	1/4	9,483	1/4	81	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,132	1/2	57,147	1/2	45,162	1/2	33,188	1/2	21,218	1/2	9,234	1/2	60	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,882	3/4	56,897	3/4	44,912	3/4	32,939	3/4	20,969	3/4	8,984	3/4	39	3/4	3/4	3/4	3/4	3/4	3/4
9	68,633	9	56,648	9	44,663	9	32,690	9	20,719	9	8,734	9		9	9	9	9	9	9
1/4	68,383	1/4	56,398	1/4	44,413	1/4	32,441	1/4	20,469	1/4	8,485	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,133	1/2	56,148	1/2	44,163	1/2	32,192	1/2	20,220	1/2	8,235	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,883	3/4	55,899	3/4	43,914	3/4	31,943	3/4	19,970	3/4	7,985	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	67,634	10	55,649	10	43,664	10	31,694	10	19,720	10	7,736	10		10	10	10	10	10	10
1/4	67,384	1/4	55,399	1/4	43,414	1/4	31,445	1/4	19,471	1/4	7,487	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,134	1/2	55,149	1/2	43,165	1/2	31,196	1/2	19,221	1/2	7,237	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,885	3/4	54,900	3/4	42,915	3/4	30,947	3/4	18,971	3/4	6,988	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	66,635	11	54,650	11	42,665	11	30,698	11	18,722	11	6,739	11		11	11	11	11	11	11
1/4	66,385	1/4	54,400	1/4	42,415	1/4	30,449	1/4	18,472	1/4	6,490	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,136	1/2	54,151	1/2	42,166	1/2	30,200	1/2	18,222	1/2	6,241	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,886	3/4	53,901	3/4	41,916	3/4	29,951	3/4	17,972	3/4	5,992	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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PRINTED: 08/27/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

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