



# BARGE "CBC 1415"

## INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>										
1 CENTER	00-3/8	- 00-3/8	00-3/4	- 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.  
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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"

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	130,743	0	144,187	0	157,631	0	171,076	0	184,520	0		0		0		0		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	
1/2	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	
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	
1	131,864	1	145,308	1	158,752	1	172,196	1	185,640	1		1		1		1		1	
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	
1/2	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	
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	
2	132,984	2	146,428	2	159,872	2	173,316	2	186,760	2		2		2		2		2	
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	
1/2	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	
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	134,104	3	147,548	3	160,992	3	174,437	3	187,881	3		3		3		3		3	
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	
1/2	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	
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	
4	135,225	4	148,669	4	162,113	4	175,557	4	188,908	4		4		4		4		4	
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	
1/2	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	
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	
5	136,345	5	149,789	5	163,233	5	176,677	5	189,748	5		5		5		5		5	
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	
1/2	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	
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	
6	137,465	6	150,909	6	164,354	6	177,798	6	190,401	6		6		6		6		6	
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	
1/2	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	
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	
7	138,586	7	152,030	7	165,474	7	178,918	7	190,868	7		7		7		7		7	
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	
1/2	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	
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	
8	139,706	8	153,150	8	166,594	8	180,038	8	191,148	8		8		8		8		8	
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	
1/2	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	
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	
9	140,826	9	154,270	9	167,715	9	181,159	9		9		9		9		9		9	
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	
1/2	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	
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	
10	141,947	10	155,391	10	168,835	10	182,279	10		10		10		10		10		10	
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	
1/2	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	
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	
11	143,067	11	156,511	11	169,955	11	183,399	11		11		11		11		11		11	
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	
1/2	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	
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	

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  
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<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.  
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 Pearland, Texas 77588  
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# 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.  
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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>										
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 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

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# 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	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	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	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	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	1	1	1	143,839	1	135,730	1	127,620	1	119,518	1	108,905	1	97,333	1	85,761
1/4		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	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	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	2	2	2	143,164	2	135,054	2	126,944	2	118,845	2	107,940	2	96,369	2	84,797
1/4		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	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	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	3	3	3	142,488	3	134,378	3	126,268	3	118,171	3	106,976	3	95,404	3	83,832
1/4		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	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	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	4	4	4	141,812	4	133,702	4	125,592	4	117,499	4	106,012	4	94,440	4	82,868
1/4		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	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	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	5	5	5	141,136	5	133,026	5	124,916	5	116,609	5	105,047	5	93,476	5	81,906
1/4		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	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	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	6	6	6	140,460	6	132,350	6	124,240	6	115,647	6	104,083	6	92,511	6	80,947
1/4		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	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	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	7	7	7	139,784	7	131,675	7	123,565	7	114,685	7	103,119	7	91,547	7	79,988
1/4		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	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	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	8	8	8	139,109	8	130,999	8	122,889	8	113,723	8	102,154	8	90,583	8	79,030
1/4		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	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	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	9	9	9	138,433	9	130,323	9	122,213	9	112,761	9	101,190	9	89,618	9	78,071
1/4		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	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	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	10	10	10	137,757	10	129,647	10	121,539	10	111,797	10	100,226	10	88,654	10	77,113
1/4		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	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	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	11	11	11	137,081	11	128,971	11	120,865	11	110,833	11	99,261	11	87,690	11	76,154
1/4		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	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	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"

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										
	75,195		63,637		52,069		40,502		29,128		17,631		6,039						
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	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	1/4	191,195	1/4	180,598	1/4	167,154	1/4	153,710	1/4	140,266	1/4	126,822	1/4	113,378	1/4	99,934
1/2	1/2	1/2	1/2	1/2	191,172	1/2	180,318	1/2	166,874	1/2	153,430	1/2	139,986	1/2	126,542	1/2	113,098	1/2	99,654
3/4	3/4	3/4	3/4	3/4	191,148	3/4	180,038	3/4	166,594	3/4	153,150	3/4	139,706	3/4	126,262	3/4	112,818	3/4	99,374
1	1	1	1	1	191,078	1	179,758	1	166,314	1	152,870	1	139,426	1	125,982	1	112,538	1	99,094
1/4	1/4	1/4	1/4	1/4	191,008	1/4	179,478	1/4	166,034	1/4	152,590	1/4	139,146	1/4	125,702	1/4	112,258	1/4	98,814
1/2	1/2	1/2	1/2	1/2	190,938	1/2	179,198	1/2	165,754	1/2	152,310	1/2	138,866	1/2	125,422	1/2	111,978	1/2	98,533
3/4	3/4	3/4	3/4	3/4	190,868	3/4	178,918	3/4	165,474	3/4	152,030	3/4	138,586	3/4	125,142	3/4	111,697	3/4	98,253
2	2	2	2	2	190,752	2	178,638	2	165,194	2	151,750	2	138,306	2	124,861	2	111,417	2	97,973
1/4	1/4	1/4	1/4	1/4	190,635	1/4	178,358	1/4	164,914	1/4	151,470	1/4	138,025	1/4	124,581	1/4	111,137	1/4	97,693
1/2	1/2	1/2	1/2	1/2	190,518	1/2	178,078	1/2	164,634	1/2	151,189	1/2	137,745	1/2	124,301	1/2	110,857	1/2	97,413
3/4	3/4	3/4	3/4	3/4	190,401	3/4	177,798	3/4	164,354	3/4	150,909	3/4	137,465	3/4	124,021	3/4	110,577	3/4	97,133
3	3	3	3	3	190,238	3	177,518	3	164,073	3	150,629	3	137,185	3	123,741	3	110,297	3	96,853
1/4	1/4	1/4	1/4	1/4	190,075	1/4	177,237	1/4	163,793	1/4	150,349	1/4	136,905	1/4	123,461	1/4	110,017	1/4	96,573
1/2	1/2	1/2	1/2	1/2	189,911	1/2	176,957	1/2	163,513	1/2	150,069	1/2	136,625	1/2	123,181	1/2	109,737	1/2	96,293
3/4	3/4	3/4	3/4	3/4	189,748	3/4	176,677	3/4	163,233	3/4	149,789	3/4	136,345	3/4	122,901	3/4	109,457	3/4	96,013
4	4	4	4	4	189,538	4	176,397	4	162,953	4	149,509	4	136,065	4	122,621	4	109,177	4	95,733
1/4	1/4	1/4	1/4	1/4	189,328	1/4	176,117	1/4	162,673	1/4	149,229	1/4	135,785	1/4	122,341	1/4	108,897	1/4	95,452
1/2	1/2	1/2	1/2	1/2	189,118	1/2	175,837	1/2	162,393	1/2	148,949	1/2	135,505	1/2	122,061	1/2	108,616	1/2	95,172
3/4	3/4	3/4	3/4	3/4	188,908	3/4	175,557	3/4	162,113	3/4	148,669	3/4	135,225	3/4	121,781	3/4	108,336	3/4	94,892
5	5	5	5	5	188,651	5	175,277	5	161,833	5	148,389	5	134,945	5	121,500	5	108,056	5	94,612
1/4	1/4	1/4	1/4	1/4	188,394	1/4	174,997	1/4	161,553	1/4	148,109	1/4	134,664	1/4	121,220	1/4	107,776	1/4	94,332
1/2	1/2	1/2	1/2	1/2	188,137	1/2	174,717	1/2	161,273	1/2	147,828	1/2	134,384	1/2	120,940	1/2	107,496	1/2	94,052
3/4	3/4	3/4	3/4	3/4	187,881	3/4	174,437	3/4	160,992	3/4	147,548	3/4	134,104	3/4	120,660	3/4	107,216	3/4	93,772
6	6	6	6	6	187,601	6	174,157	6	160,712	6	147,268	6	133,824	6	120,380	6	106,936	6	93,492
1/4	1/4	1/4	1/4	1/4	187,321	1/4	173,876	1/4	160,432	1/4	146,988	1/4	133,544	1/4	120,100	1/4	106,656	1/4	93,212
1/2	1/2	1/2	1/2	1/2	187,040	1/2	173,596	1/2	160,152	1/2	146,708	1/2	133,264	1/2	119,820	1/2	106,376	1/2	92,932
3/4	3/4	3/4	3/4	3/4	186,760	3/4	173,316	3/4	159,872	3/4	146,428	3/4	132,984	3/4	119,540	3/4	106,096	3/4	92,652
7	7	7	7	7	186,480	7	173,036	7	159,592	7	146,148	7	132,704	7	119,260	7	105,816	7	92,372
1/4	1/4	1/4	1/4	1/4	186,200	1/4	172,756	1/4	159,312	1/4	145,868	1/4	132,424	1/4	118,980	1/4	105,536	1/4	92,091
1/2	1/2	1/2	1/2	1/2	185,920	1/2	172,476	1/2	159,032	1/2	145,588	1/2	132,144	1/2	118,700	1/2	105,255	1/2	91,811
3/4	3/4	3/4	3/4	3/4	185,640	3/4	172,196	3/4	158,752	3/4	145,308	3/4	131,864	3/4	118,419	3/4	104,975	3/4	91,531
8	8	8	8	8	185,360	8	171,916	8	158,472	8	145,028	8	131,584	8	118,139	8	104,695	8	91,251
1/4	1/4	1/4	1/4	1/4	185,080	1/4	171,636	1/4	158,192	1/4	144,748	1/4	131,303	1/4	117,859	1/4	104,415	1/4	90,971
1/2	1/2	1/2	1/2	1/2	184,800	1/2	171,356	1/2	157,912	1/2	144,467	1/2	131,023	1/2	117,579	1/2	104,135	1/2	90,691
3/4	3/4	3/4	3/4	3/4	184,520	3/4	171,076	3/4	157,631	3/4	144,187	3/4	130,743	3/4	117,299	3/4	103,855	3/4	90,411
9	9	9	9	9	184,240	9	170,795	9	157,351	9	143,907	9	130,463	9	117,019	9	103,575	9	90,131
1/4	1/4	1/4	1/4	1/4	183,959	1/4	170,515	1/4	157,071	1/4	143,627	1/4	130,183	1/4	116,739	1/4	103,295	1/4	89,851
1/2	1/2	1/2	1/2	1/2	183,679	1/2	170,235	1/2	156,791	1/2	143,347	1/2	129,903	1/2	116,459	1/2	103,015	1/2	89,571
3/4	3/4	3/4	3/4	3/4	183,399	3/4	169,955	3/4	156,511	3/4	143,067	3/4	129,623	3/4	116,179	3/4	102,735	3/4	89,291
10	10	10	10	10	183,119	10	169,675	10	156,231	10	142,787	10	129,343	10	115,899	10	102,455	10	89,011
1/4	1/4	1/4	1/4	1/4	182,839	1/4	169,395	1/4	155,951	1/4	142,507	1/4	129,063	1/4	115,619	1/4	102,175	1/4	88,730
1/2	1/2	1/2	1/2	1/2	182,559	1/2	169,115	1/2	155,671	1/2	142,227	1/2	128,783	1/2	115,339	1/2	101,894	1/2	88,450
3/4	3/4	3/4	3/4	3/4	182,279	3/4	168,835	3/4	155,391	3/4	141,947	3/4	128,503	3/4	115,058	3/4	101,614	3/4	88,170
11	11	11	11	11	181,999	11	168,555	11	155,111	11	141,667	11	128,222	11	114,778	11	101,334	11	87,890
1/4	1/4	1/4	1/4	1/4	181,719	1/4	168,275	1/4	154,831	1/4	141,386	1/4	127,942	1/4	114,498	1/4	101,054	1/4	87,610
1/2	1/2	1/2	1/2	1/2	181,439	1/2	167,995	1/2	154,551	1/2	141,106	1/2	127,662	1/2	114,218	1/2	100,774	1/2	87,330
3/4	3/4	3/4	3/4	3/4	181,159	3/4	167,715	3/4	154,270	3/4	140,826	3/4	127,382	3/4	113,938	3/4	100,494	3/4	87,050

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										
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  
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# 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  
<http://www.pmacorp.net>



# 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.

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  
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