



# BARGE "CBC 1400"

## INNAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 4'-00"  
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS - 00-1/2"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 1/2"

LENGTH BETWEEN DRAFT MARKS: 178'-06"

February 20, 2018

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

<http://www.pmacorp.net>



# BARGE "CBC 1400"

# 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	8,707	0	20,321	0	31,752	0	43,223	0	54,809	0	66,396	0	77,958	0	89,523	0	101,114
1/4	60	1/4	8,949	1/4	20,563	1/4	31,986	1/4	43,465	1/4	55,051	1/4	66,637	1/4	78,198	1/4	89,765	1/4	101,355
1/2	80	1/2	9,191	1/2	20,805	1/2	32,221	1/2	43,706	1/2	55,292	1/2	66,878	1/2	78,438	1/2	90,006	1/2	101,597
3/4	100	3/4	9,433	3/4	21,047	3/4	32,455	3/4	43,948	3/4	55,534	3/4	67,120	3/4	78,678	3/4	90,247	3/4	101,838
1	120	1	9,675	1	21,289	1	32,689	1	44,189	1	55,775	1	67,361	1	78,918	1	90,489	1	102,079
1/4	181	1/4	9,917	1/4	21,531	1/4	32,923	1/4	44,430	1/4	56,016	1/4	67,602	1/4	79,158	1/4	90,730	1/4	102,321
1/2	241	1/2	10,159	1/2	21,773	1/2	33,157	1/2	44,672	1/2	56,258	1/2	67,844	1/2	79,398	1/2	90,972	1/2	102,562
3/4	301	3/4	10,401	3/4	22,015	3/4	33,392	3/4	44,913	3/4	56,499	3/4	68,085	3/4	79,639	3/4	91,213	3/4	102,804
2	362	2	10,643	2	22,257	2	33,626	2	45,154	2	56,740	2	68,327	2	79,879	2	91,455	2	103,045
1/4	463	1/4	10,885	1/4	22,499	1/4	33,860	1/4	45,396	1/4	56,982	1/4	68,568	1/4	80,119	1/4	91,696	1/4	103,287
1/2	564	1/2	11,127	1/2	22,741	1/2	34,094	1/2	45,637	1/2	57,223	1/2	68,809	1/2	80,359	1/2	91,938	1/2	103,528
3/4	664	3/4	11,369	3/4	22,983	3/4	34,328	3/4	45,879	3/4	57,465	3/4	69,051	3/4	80,599	3/4	92,179	3/4	103,770
3	765	3	11,611	3	23,225	3	34,563	3	46,120	3	57,706	3	69,292	3	80,839	3	92,421	3	104,011
1/4	906	1/4	11,853	1/4	23,467	1/4	34,797	1/4	46,361	1/4	57,947	1/4	69,533	1/4	81,079	1/4	92,662	1/4	104,253
1/2	1,047	1/2	12,095	1/2	23,709	1/2	35,031	1/2	46,603	1/2	58,189	1/2	69,775	1/2	81,319	1/2	92,904	1/2	104,494
3/4	1,189	3/4	12,337	3/4	23,951	3/4	35,265	3/4	46,844	3/4	58,430	3/4	70,016	3/4	81,559	3/4	93,145	3/4	104,736
4	1,330	4	12,579	4	24,193	4	35,499	4	47,085	4	58,671	4	70,258	4	81,799	4	93,387	4	104,977
1/4	1,511	1/4	12,820	1/4	24,434	1/4	35,741	1/4	47,327	1/4	58,913	1/4	70,499	1/4	82,039	1/4	93,628	1/4	105,219
1/2	1,693	1/2	13,062	1/2	24,676	1/2	35,982	1/2	47,568	1/2	59,154	1/2	70,740	1/2	82,280	1/2	93,869	1/2	105,460
3/4	1,874	3/4	13,304	3/4	24,918	3/4	36,224	3/4	47,810	3/4	59,396	3/4	70,982	3/4	82,521	3/4	94,111	3/4	105,701
5	2,055	5	13,546	5	25,160	5	36,465	5	48,051	5	59,637	5	71,223	5	82,762	5	94,352	5	105,943
1/4	2,276	1/4	13,788	1/4	25,402	1/4	36,706	1/4	48,292	1/4	59,878	1/4	71,464	1/4	83,003	1/4	94,594	1/4	106,184
1/2	2,498	1/2	14,030	1/2	25,644	1/2	36,948	1/2	48,534	1/2	60,120	1/2	71,706	1/2	83,245	1/2	94,835	1/2	106,426
3/4	2,719	3/4	14,272	3/4	25,886	3/4	37,189	3/4	48,775	3/4	60,361	3/4	71,947	3/4	83,486	3/4	95,077	3/4	106,667
6	2,940	6	14,514	6	26,128	6	37,430	6	49,016	6	60,602	6	72,189	6	83,728	6	95,318	6	106,909
1/4	3,177	1/4	14,756	1/4	26,363	1/4	37,672	1/4	49,258	1/4	60,844	1/4	72,429	1/4	83,969	1/4	95,560	1/4	107,150
1/2	3,414	1/2	14,998	1/2	26,597	1/2	37,913	1/2	49,499	1/2	61,085	1/2	72,670	1/2	84,211	1/2	95,801	1/2	107,392
3/4	3,651	3/4	15,240	3/4	26,832	3/4	38,155	3/4	49,741	3/4	61,327	3/4	72,911	3/4	84,452	3/4	96,043	3/4	107,633
7	3,888	7	15,482	7	27,067	7	38,396	7	49,982	7	61,568	7	73,152	7	84,693	7	96,284	7	107,875
1/4	4,128	1/4	15,724	1/4	27,301	1/4	38,637	1/4	50,223	1/4	61,809	1/4	73,392	1/4	84,935	1/4	96,526	1/4	108,116
1/2	4,367	1/2	15,966	1/2	27,536	1/2	38,879	1/2	50,465	1/2	62,051	1/2	73,633	1/2	85,176	1/2	96,767	1/2	108,358
3/4	4,606	3/4	16,208	3/4	27,770	3/4	39,120	3/4	50,706	3/4	62,292	3/4	73,874	3/4	85,418	3/4	97,009	3/4	108,599
8	4,845	8	16,450	8	28,005	8	39,361	8	50,947	8	62,534	8	74,115	8	85,659	8	97,250	8	108,841
1/4	5,086	1/4	16,692	1/4	28,239	1/4	39,603	1/4	51,189	1/4	62,775	1/4	74,356	1/4	85,901	1/4	97,492	1/4	109,082
1/2	5,326	1/2	16,934	1/2	28,473	1/2	39,844	1/2	51,430	1/2	63,016	1/2	74,596	1/2	86,142	1/2	97,733	1/2	109,324
3/4	5,567	3/4	17,176	3/4	28,708	3/4	40,086	3/4	51,672	3/4	63,258	3/4	74,837	3/4	86,384	3/4	97,974	3/4	109,565
9	5,807	9	17,418	9	28,942	9	40,327	9	51,913	9	63,499	9	75,078	9	86,625	9	98,216	9	109,806
1/4	6,049	1/4	17,660	1/4	29,176	1/4	40,568	1/4	52,154	1/4	63,740	1/4	75,318	1/4	86,867	1/4	98,457	1/4	110,048
1/2	6,290	1/2	17,902	1/2	29,410	1/2	40,810	1/2	52,396	1/2	63,982	1/2	75,558	1/2	87,108	1/2	98,699	1/2	110,289
3/4	6,531	3/4	18,144	3/4	29,644	3/4	41,051	3/4	52,637	3/4	64,223	3/4	75,798	3/4	87,350	3/4	98,940	3/4	110,531
10	6,772	10	18,386	10	29,879	10	41,292	10	52,878	10	64,465	10	76,038	10	87,591	10	99,182	10	110,772
1/4	7,014	1/4	18,627	1/4	30,113	1/4	41,534	1/4	53,120	1/4	64,706	1/4	76,278	1/4	87,833	1/4	99,423	1/4	111,014
1/2	7,256	1/2	18,869	1/2	30,347	1/2	41,775	1/2	53,361	1/2	64,947	1/2	76,518	1/2	88,074	1/2	99,665	1/2	111,255
3/4	7,498	3/4	19,111	3/4	30,581	3/4	42,017	3/4	53,603	3/4	65,189	3/4	76,758	3/4	88,316	3/4	99,906	3/4	111,497
11	7,739	11	19,353	11	30,815	11	42,258	11	53,844	11	65,430	11	76,998	11	88,557	11	100,148	11	111,738
1/4	7,981	1/4	19,595	1/4	31,050	1/4	42,499	1/4	54,085	1/4	65,671	1/4	77,238	1/4	88,799	1/4	100,389	1/4	111,980
1/2	8,223	1/2	19,837	1/2	31,284	1/2	42,741	1/2	54,327	1/2	65,913	1/2	77,478	1/2	89,040	1/2	100,631	1/2	112,221
3/4	8,465	3/4	20,079	3/4	31,518	3/4	42,982	3/4	54,568	3/4	66,154	3/4	77,718	3/4	89,282	3/4	100,872	3/4	112,463

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 24'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
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# BARGE "CBC 1400"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	112,704	0	122,243	0	130,366	0	138,489	0	146,612	0		0		0		0		0	
1/4	112,945	1/4	122,412	1/4	130,535	1/4	138,659	1/4	146,782	1/4				1/4		1/4		1/4	
1/2	113,186	1/2	122,581	1/2	130,705	1/2	138,828	1/2	146,951	1/2				1/2		1/2		1/2	
3/4	113,427	3/4	122,751	3/4	130,874	3/4	138,997	3/4	147,120	3/4				3/4		3/4		3/4	
1	113,668	1	122,920	1	131,043	1	139,166	1	147,289	1				1		1		1	
1/4	113,909	1/4	123,089	1/4	131,212	1/4	139,335	1/4	147,459	1/4				1/4		1/4		1/4	
1/2	114,150	1/2	123,258	1/2	131,382	1/2	139,505	1/2	147,628	1/2				1/2		1/2		1/2	
3/4	114,390	3/4	123,428	3/4	131,551	3/4	139,674	3/4	147,797	3/4				3/4		3/4		3/4	
2	114,631	2	123,597	2	131,720	2	139,843	2	147,966	2				2		2		2	
1/4	114,872	1/4	123,766	1/4	131,889	1/4	140,012	1/4	148,136	1/4				1/4		1/4		1/4	
1/2	115,113	1/2	123,935	1/2	132,058	1/2	140,182	1/2	148,305	1/2				1/2		1/2		1/2	
3/4	115,354	3/4	124,105	3/4	132,228	3/4	140,351	3/4	148,474	3/4				3/4		3/4		3/4	
3	115,595	3	124,274	3	132,397	3	140,520	3	148,643	3				3		3		3	
1/4	115,836	1/4	124,443	1/4	132,566	1/4	140,689	1/4	148,865	1/4				1/4		1/4		1/4	
1/2	116,077	1/2	124,612	1/2	132,735	1/2	140,859	1/2	149,087	1/2				1/2		1/2		1/2	
3/4	116,318	3/4	124,781	3/4	132,905	3/4	141,028	3/4	149,309	3/4				3/4		3/4		3/4	
4	116,559	4	124,951	4	133,074	4	141,197	4	149,530	4				4		4		4	
1/4	116,800	1/4	125,120	1/4	133,243	1/4	141,366	1/4	149,712	1/4				1/4		1/4		1/4	
1/2	117,040	1/2	125,289	1/2	133,412	1/2	141,535	1/2	149,893	1/2				1/2		1/2		1/2	
3/4	117,281	3/4	125,458	3/4	133,582	3/4	141,705	3/4	150,075	3/4				3/4		3/4		3/4	
5	117,522	5	125,628	5	133,751	5	141,874	5	150,256	5				5		5		5	
1/4	117,690	1/4	125,797	1/4	133,920	1/4	142,043	1/4	150,397	1/4				1/4		1/4		1/4	
1/2	117,859	1/2	125,966	1/2	134,089	1/2	142,212	1/2	150,539	1/2				1/2		1/2		1/2	
3/4	118,027	3/4	126,135	3/4	134,258	3/4	142,382	3/4	150,680	3/4				3/4		3/4		3/4	
6	118,195	6	126,305	6	134,428	6	142,551	6	150,821	6				6		6		6	
1/4	118,364	1/4	126,474	1/4	134,597	1/4	142,720	1/4	150,922	1/4				1/4		1/4		1/4	
1/2	118,532	1/2	126,643	1/2	134,766	1/2	142,889	1/2	151,023	1/2				1/2		1/2		1/2	
3/4	118,701	3/4	126,812	3/4	134,935	3/4	143,059	3/4	151,123	3/4				3/4		3/4		3/4	
7	118,870	7	126,981	7	135,105	7	143,228	7	151,224	7				7		7		7	
1/4	119,038	1/4	127,151	1/4	135,274	1/4	143,397	1/4	151,285	1/4				1/4		1/4		1/4	
1/2	119,207	1/2	127,320	1/2	135,443	1/2	143,566	1/2	151,345	1/2				1/2		1/2		1/2	
3/4	119,376	3/4	127,489	3/4	135,612	3/4	143,735	3/4	151,406	3/4				3/4		3/4		3/4	
8	119,544	8	127,658	8	135,782	8	143,905	8	151,466	8				8		8		8	
1/4	119,713	1/4	127,828	1/4	135,951	1/4	144,074	1/4	151,486	1/4				1/4		1/4		1/4	
1/2	119,882	1/2	127,997	1/2	136,120	1/2	144,243	1/2	151,506	1/2				1/2		1/2		1/2	
3/4	120,050	3/4	128,166	3/4	136,289	3/4	144,412	3/4		3/4				3/4		3/4		3/4	
9	120,219	9	128,335	9	136,458	9	144,582	9		9				9		9		9	
1/4	120,388	1/4	128,505	1/4	136,628	1/4	144,751	1/4		1/4				1/4		1/4		1/4	
1/2	120,556	1/2	128,674	1/2	136,797	1/2	144,920	1/2		1/2				1/2		1/2		1/2	
3/4	120,725	3/4	128,843	3/4	136,966	3/4	145,089	3/4		3/4				3/4		3/4		3/4	
10	120,894	10	129,012	10	137,135	10	145,259	10		10				10		10		10	
1/4	121,062	1/4	129,182	1/4	137,305	1/4	145,428	1/4		1/4				1/4		1/4		1/4	
1/2	121,231	1/2	129,351	1/2	137,474	1/2	145,597	1/2		1/2				1/2		1/2		1/2	
3/4	121,400	3/4	129,520	3/4	137,643	3/4	145,766	3/4		3/4				3/4		3/4		3/4	
11	121,568	11	129,689	11	137,812	11	145,936	11		11				11		11		11	
1/4	121,737	1/4	129,858	1/4	137,982	1/4	146,105	1/4		1/4				1/4		1/4		1/4	
1/2	121,906	1/2	130,028	1/2	138,151	1/2	146,274	1/2		1/2				1/2		1/2		1/2	
3/4	122,074	3/4	130,197	3/4	138,320	3/4	146,443	3/4		3/4				3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/20/2018 CL  
CALCULATED: 02/20/2018 CL  
PRINTED: 02/20/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2018

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "CBC 1400"

## 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	10,058	0	23,482	0	36,743	0	50,005	0	63,429	0	76,853	0	90,277	0	103,701	0	117,126
1/4	63	1/4	10,338	1/4	23,762	1/4	37,015	1/4	50,284	1/4	63,708	1/4	77,133	1/4	90,557	1/4	103,981	1/4	117,405
1/2	86	1/2	10,618	1/2	24,041	1/2	37,286	1/2	50,564	1/2	63,988	1/2	77,412	1/2	90,836	1/2	104,261	1/2	117,685
3/4	109	3/4	10,897	3/4	24,321	3/4	37,557	3/4	50,844	3/4	64,268	3/4	77,692	3/4	91,116	3/4	104,540	3/4	117,965
1	133	1	11,177	1	24,601	1	37,829	1	51,123	1	64,547	1	77,972	1	91,396	1	104,820	1	118,244
1/4	202	1/4	11,457	1/4	24,880	1/4	38,100	1/4	51,403	1/4	64,827	1/4	78,251	1/4	91,675	1/4	105,100	1/4	118,524
1/2	272	1/2	11,736	1/2	25,160	1/2	38,372	1/2	51,683	1/2	65,107	1/2	78,531	1/2	91,955	1/2	105,379	1/2	118,804
3/4	342	3/4	12,016	3/4	25,440	3/4	38,643	3/4	51,962	3/4	65,386	3/4	78,811	3/4	92,235	3/4	105,659	3/4	119,083
2	412	2	12,296	2	25,719	2	38,915	2	52,242	2	65,666	2	79,090	2	92,515	2	105,939	2	119,363
1/4	529	1/4	12,575	1/4	25,999	1/4	39,186	1/4	52,522	1/4	65,946	1/4	79,370	1/4	92,794	1/4	106,218	1/4	119,643
1/2	645	1/2	12,855	1/2	26,279	1/2	39,458	1/2	52,801	1/2	66,225	1/2	79,650	1/2	93,074	1/2	106,498	1/2	119,922
3/4	762	3/4	13,135	3/4	26,558	3/4	39,729	3/4	53,081	3/4	66,505	3/4	79,929	3/4	93,354	3/4	106,778	3/4	120,202
3	878	3	13,414	3	26,838	3	40,001	3	53,361	3	66,785	3	80,209	3	93,633	3	107,057	3	120,482
1/4	1,041	1/4	13,694	1/4	27,118	1/4	40,272	1/4	53,640	1/4	67,064	1/4	80,489	1/4	93,913	1/4	107,337	1/4	120,761
1/2	1,205	1/2	13,974	1/2	27,397	1/2	40,544	1/2	53,920	1/2	67,344	1/2	80,768	1/2	94,193	1/2	107,617	1/2	121,041
3/4	1,368	3/4	14,253	3/4	27,677	3/4	40,815	3/4	54,200	3/4	67,624	3/4	81,048	3/4	94,472	3/4	107,896	3/4	121,321
4	1,531	4	14,533	4	27,957	4	41,086	4	54,479	4	67,903	4	81,328	4	94,752	4	108,176	4	121,600
1/4	1,741	1/4	14,812	1/4	28,236	1/4	41,358	1/4	54,759	1/4	68,183	1/4	81,607	1/4	95,032	1/4	108,456	1/4	121,880
1/2	1,950	1/2	15,092	1/2	28,516	1/2	41,630	1/2	55,039	1/2	68,463	1/2	81,887	1/2	95,311	1/2	108,735	1/2	122,160
3/4	2,160	3/4	15,372	3/4	28,796	3/4	41,902	3/4	55,318	3/4	68,742	3/4	82,167	3/4	95,591	3/4	109,015	3/4	122,439
5	2,370	5	15,651	5	29,075	5	42,174	5	55,598	5	69,022	5	82,446	5	95,871	5	109,295	5	122,719
1/4	2,625	1/4	15,931	1/4	29,355	1/4	42,453	1/4	55,878	1/4	69,302	1/4	82,726	1/4	96,150	1/4	109,574	1/4	122,999
1/2	2,881	1/2	16,211	1/2	29,635	1/2	42,733	1/2	56,157	1/2	69,581	1/2	83,006	1/2	96,430	1/2	109,854	1/2	123,278
3/4	3,137	3/4	16,490	3/4	29,914	3/4	43,013	3/4	56,437	3/4	69,861	3/4	83,285	3/4	96,710	3/4	110,134	3/4	123,558
6	3,392	6	16,770	6	30,194	6	43,292	6	56,717	6	70,141	6	83,565	6	96,989	6	110,413	6	123,838
1/4	3,666	1/4	17,050	1/4	30,474	1/4	43,572	1/4	56,996	1/4	70,421	1/4	83,845	1/4	97,269	1/4	110,693	1/4	124,117
1/2	3,940	1/2	17,329	1/2	30,753	1/2	43,852	1/2	57,276	1/2	70,700	1/2	84,124	1/2	97,549	1/2	110,973	1/2	124,397
3/4	4,215	3/4	17,609	3/4	31,033	3/4	44,131	3/4	57,556	3/4	70,980	3/4	84,404	3/4	97,828	3/4	111,252	3/4	124,677
7	4,489	7	17,889	7	31,313	7	44,411	7	57,835	7	71,260	7	84,684	7	98,108	7	111,532	7	124,956
1/4	4,765	1/4	18,168	1/4	31,584	1/4	44,691	1/4	58,115	1/4	71,539	1/4	84,963	1/4	98,388	1/4	111,812	1/4	125,236
1/2	5,042	1/2	18,448	1/2	31,856	1/2	44,970	1/2	58,395	1/2	71,819	1/2	85,243	1/2	98,667	1/2	112,091	1/2	125,516
3/4	5,318	3/4	18,728	3/4	32,128	3/4	45,250	3/4	58,674	3/4	72,099	3/4	85,523	3/4	98,947	3/4	112,371	3/4	125,795
8	5,595	8	19,007	8	32,400	8	45,530	8	58,954	8	72,378	8	85,802	8	99,227	8	112,651	8	126,075
1/4	5,873	1/4	19,287	1/4	32,671	1/4	45,809	1/4	59,234	1/4	72,658	1/4	86,082	1/4	99,506	1/4	112,930	1/4	126,355
1/2	6,151	1/2	19,567	1/2	32,943	1/2	46,089	1/2	59,513	1/2	72,938	1/2	86,362	1/2	99,786	1/2	113,210	1/2	126,634
3/4	6,429	3/4	19,846	3/4	33,214	3/4	46,369	3/4	59,793	3/4	73,217	3/4	86,641	3/4	100,066	3/4	113,490	3/4	126,914
9	6,707	9	20,126	9	33,486	9	46,648	9	60,073	9	73,497	9	86,921	9	100,345	9	113,770	9	127,194
1/4	6,985	1/4	20,406	1/4	33,757	1/4	46,928	1/4	60,352	1/4	73,777	1/4	87,201	1/4	100,625	1/4	114,049	1/4	127,473
1/2	7,264	1/2	20,685	1/2	34,029	1/2	47,208	1/2	60,632	1/2	74,056	1/2	87,480	1/2	100,905	1/2	114,329	1/2	127,753
3/4	7,543	3/4	20,965	3/4	34,300	3/4	47,487	3/4	60,912	3/4	74,336	3/4	87,760	3/4	101,184	3/4	114,609	3/4	128,033
10	7,822	10	21,245	10	34,571	10	47,767	10	61,191	10	74,616	10	88,040	10	101,464	10	114,888	10	128,312
1/4	8,101	1/4	21,524	1/4	34,843	1/4	48,047	1/4	61,471	1/4	74,895	1/4	88,319	1/4	101,744	1/4	115,168	1/4	128,592
1/2	8,381	1/2	21,804	1/2	35,114	1/2	48,326	1/2	61,751	1/2	75,175	1/2	88,599	1/2	102,023	1/2	115,448	1/2	128,872
3/4	8,660	3/4	22,084	3/4	35,386	3/4	48,606	3/4	62,030	3/4	75,455	3/4	88,879	3/4	102,303	3/4	115,727	3/4	129,151
11	8,940	11	22,363	11	35,657	11	48,886	11	62,310	11	75,734	11	89,158	11	102,583	11	116,007	11	129,431
1/4	9,219	1/4	22,643	1/4	35,929	1/4	49,166	1/4	62,590	1/4	76,014	1/4	89,438	1/4	102,862	1/4	116,287	1/4	129,711
1/2	9,499	1/2	22,923	1/2	36,200	1/2	49,445	1/2	62,869	1/2	76,294	1/2	89,718	1/2	103,142	1/2	116,566	1/2	129,990
3/4	9,779	3/4	23,202	3/4	36,472	3/4	49,725	3/4	63,149	3/4	76,573	3/4	89,997	3/4	103,422	3/4	116,846	3/4	130,270

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 37'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "CBC 1400"

## 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	130,550	0	143,974	0	157,398	0	170,822	0	184,247	0		0		0		0		0	
1/4	130,829	1/4	144,254	1/4	157,678	1/4	171,102	1/4	184,526	1/4		1/4		1/4		1/4		1/4	
1/2	131,109	1/2	144,533	1/2	157,958	1/2	171,382	1/2	184,806	1/2		1/2		1/2		1/2		1/2	
3/4	131,389	3/4	144,813	3/4	158,237	3/4	171,661	3/4	185,086	3/4		3/4		3/4		3/4		3/4	
1	131,668	1	145,093	1	158,517	1	171,941	1	185,365	1		1		1		1		1	
1/4	131,948	1/4	145,372	1/4	158,797	1/4	172,221	1/4	185,645	1/4		1/4		1/4		1/4		1/4	
1/2	132,228	1/2	145,652	1/2	159,076	1/2	172,500	1/2	185,925	1/2		1/2		1/2		1/2		1/2	
3/4	132,507	3/4	145,932	3/4	159,356	3/4	172,780	3/4	186,204	3/4		3/4		3/4		3/4		3/4	
2	132,787	2	146,211	2	159,636	2	173,060	2	186,484	2		2		2		2		2	
1/4	133,067	1/4	146,491	1/4	159,915	1/4	173,339	1/4	186,764	1/4		1/4		1/4		1/4		1/4	
1/2	133,346	1/2	146,771	1/2	160,195	1/2	173,619	1/2	187,043	1/2		1/2		1/2		1/2		1/2	
3/4	133,626	3/4	147,050	3/4	160,475	3/4	173,899	3/4	187,323	3/4		3/4		3/4		3/4		3/4	
3	133,906	3	147,330	3	160,754	3	174,178	3	187,603	3		3		3		3		3	
1/4	134,185	1/4	147,610	1/4	161,034	1/4	174,458	1/4	187,859	1/4		1/4		1/4		1/4		1/4	
1/2	134,465	1/2	147,889	1/2	161,314	1/2	174,738	1/2	188,115	1/2		1/2		1/2		1/2		1/2	
3/4	134,745	3/4	148,169	3/4	161,593	3/4	175,017	3/4	188,372	3/4		3/4		3/4		3/4		3/4	
4	135,025	4	148,449	4	161,873	4	175,297	4	188,628	4		4		4		4		4	
1/4	135,304	1/4	148,728	1/4	162,153	1/4	175,577	1/4	188,838	1/4		1/4		1/4		1/4		1/4	
1/2	135,584	1/2	149,008	1/2	162,432	1/2	175,856	1/2	189,048	1/2		1/2		1/2		1/2		1/2	
3/4	135,864	3/4	149,288	3/4	162,712	3/4	176,136	3/4	189,257	3/4		3/4		3/4		3/4		3/4	
5	136,143	5	149,567	5	162,992	5	176,416	5	189,467	5		5		5		5		5	
1/4	136,423	1/4	149,847	1/4	163,271	1/4	176,695	1/4	189,630	1/4		1/4		1/4		1/4		1/4	
1/2	136,703	1/2	150,127	1/2	163,551	1/2	176,975	1/2	189,793	1/2		1/2		1/2		1/2		1/2	
3/4	136,982	3/4	150,406	3/4	163,831	3/4	177,255	3/4	189,957	3/4		3/4		3/4		3/4		3/4	
6	137,262	6	150,686	6	164,110	6	177,534	6	190,120	6		6		6		6		6	
1/4	137,542	1/4	150,966	1/4	164,390	1/4	177,814	1/4	190,236	1/4		1/4		1/4		1/4		1/4	
1/2	137,821	1/2	151,245	1/2	164,670	1/2	178,094	1/2	190,353	1/2		1/2		1/2		1/2		1/2	
3/4	138,101	3/4	151,525	3/4	164,949	3/4	178,374	3/4	190,469	3/4		3/4		3/4		3/4		3/4	
7	138,381	7	151,805	7	165,229	7	178,653	7	190,586	7		7		7		7		7	
1/4	138,660	1/4	152,084	1/4	165,509	1/4	178,933	1/4	190,656	1/4		1/4		1/4		1/4		1/4	
1/2	138,940	1/2	152,364	1/2	165,788	1/2	179,213	1/2	190,726	1/2		1/2		1/2		1/2		1/2	
3/4	139,220	3/4	152,644	3/4	166,068	3/4	179,492	3/4	190,796	3/4		3/4		3/4		3/4		3/4	
8	139,499	8	152,923	8	166,348	8	179,772	8	190,865	8		8		8		8		8	
1/4	139,779	1/4	153,203	1/4	166,627	1/4	180,052	1/4	190,889	1/4		1/4		1/4		1/4		1/4	
1/2	140,059	1/2	153,483	1/2	166,907	1/2	180,331	1/2	190,912	1/2		1/2		1/2		1/2		1/2	
3/4	140,338	3/4	153,762	3/4	167,187	3/4	180,611	3/4		3/4		3/4		3/4		3/4		3/4	
9	140,618	9	154,042	9	167,466	9	180,891	9		9		9		9		9		9	
1/4	140,898	1/4	154,322	1/4	167,746	1/4	181,170	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	141,177	1/2	154,601	1/2	168,026	1/2	181,450	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	141,457	3/4	154,881	3/4	168,305	3/4	181,730	3/4		3/4		3/4		3/4		3/4		3/4	
10	141,737	10	155,161	10	168,585	10	182,009	10		10		10		10		10		10	
1/4	142,016	1/4	155,440	1/4	168,865	1/4	182,289	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	142,296	1/2	155,720	1/2	169,144	1/2	182,569	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	142,576	3/4	156,000	3/4	169,424	3/4	182,848	3/4		3/4		3/4		3/4		3/4		3/4	
11	142,855	11	156,279	11	169,704	11	183,128	11		11		11		11		11		11	
1/4	143,135	1/4	156,559	1/4	169,983	1/4	183,408	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	143,415	1/2	156,839	1/2	170,263	1/2	183,687	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	143,694	3/4	157,119	3/4	170,543	3/4	183,967	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/20/2018 CL  
CALCULATED: 02/20/2018 CL  
PRINTED: 02/20/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2018

PRECISION MEASUREMENT  
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# BARGE "CBC 1400"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	8,963	0	20,919	0	32,861	0	44,805	0	56,762	0	68,718	0	80,675	0	92,631	0	104,588
1/4	60	1/4	9,212	1/4	21,168	1/4	33,109	1/4	45,055	1/4	57,011	1/4	68,967	1/4	80,924	1/4	92,880	1/4	104,837
1/2	81	1/2	9,461	1/2	21,417	1/2	33,357	1/2	45,304	1/2	57,260	1/2	69,216	1/2	81,173	1/2	93,129	1/2	105,086
3/4	102	3/4	9,710	3/4	21,666	3/4	33,606	3/4	45,553	3/4	57,509	3/4	69,466	3/4	81,422	3/4	93,378	3/4	105,335
1	122	1	9,959	1	21,915	1	33,854	1	45,802	1	57,758	1	69,715	1	81,671	1	93,628	1	105,584
1/4	185	1/4	10,208	1/4	22,164	1/4	34,102	1/4	46,051	1/4	58,007	1/4	69,964	1/4	81,920	1/4	93,877	1/4	105,833
1/2	247	1/2	10,457	1/2	22,413	1/2	34,351	1/2	46,300	1/2	58,256	1/2	70,213	1/2	82,169	1/2	94,126	1/2	106,082
3/4	309	3/4	10,706	3/4	22,662	3/4	34,599	3/4	46,549	3/4	58,506	3/4	70,462	3/4	82,418	3/4	94,375	3/4	106,331
2	371	2	10,955	2	22,911	2	34,848	2	46,798	2	58,755	2	70,711	2	82,667	2	94,624	2	106,580
1/4	475	1/4	11,204	1/4	23,160	1/4	35,096	1/4	47,047	1/4	59,004	1/4	70,960	1/4	82,917	1/4	94,873	1/4	106,829
1/2	579	1/2	11,454	1/2	23,410	1/2	35,344	1/2	47,296	1/2	59,253	1/2	71,209	1/2	83,166	1/2	95,122	1/2	107,078
3/4	683	3/4	11,703	3/4	23,659	3/4	35,593	3/4	47,545	3/4	59,502	3/4	71,458	3/4	83,415	3/4	95,371	3/4	107,328
3	787	3	11,952	3	23,908	3	35,841	3	47,795	3	59,751	3	71,707	3	83,664	3	95,620	3	107,577
1/4	932	1/4	12,201	1/4	24,157	1/4	36,089	1/4	48,044	1/4	60,000	1/4	71,956	1/4	83,913	1/4	95,869	1/4	107,826
1/2	1,077	1/2	12,450	1/2	24,406	1/2	36,338	1/2	48,293	1/2	60,249	1/2	72,206	1/2	84,162	1/2	96,118	1/2	108,075
3/4	1,222	3/4	12,699	3/4	24,655	3/4	36,586	3/4	48,542	3/4	60,498	3/4	72,455	3/4	84,411	3/4	96,368	3/4	108,324
4	1,368	4	12,948	4	24,904	4	36,835	4	48,791	4	60,747	4	72,704	4	84,660	4	96,617	4	108,573
1/4	1,555	1/4	13,197	1/4	25,153	1/4	37,084	1/4	49,040	1/4	60,996	1/4	72,953	1/4	84,909	1/4	96,866	1/4	108,822
1/2	1,741	1/2	13,446	1/2	25,402	1/2	37,333	1/2	49,289	1/2	61,246	1/2	73,202	1/2	85,158	1/2	97,115	1/2	109,071
3/4	1,928	3/4	13,695	3/4	25,651	3/4	37,582	3/4	49,538	3/4	61,495	3/4	73,451	3/4	85,407	3/4	97,364	3/4	109,320
5	2,115	5	13,944	5	25,900	5	37,831	5	49,787	5	61,744	5	73,700	5	85,657	5	97,613	5	109,569
1/4	2,343	1/4	14,193	1/4	26,149	1/4	38,080	1/4	50,036	1/4	61,993	1/4	73,949	1/4	85,906	1/4	97,862	1/4	109,818
1/2	2,570	1/2	14,443	1/2	26,399	1/2	38,329	1/2	50,285	1/2	62,242	1/2	74,198	1/2	86,155	1/2	98,111	1/2	110,068
3/4	2,798	3/4	14,692	3/4	26,648	3/4	38,578	3/4	50,535	3/4	62,491	3/4	74,447	3/4	86,404	3/4	98,360	3/4	110,317
6	3,026	6	14,941	6	26,897	6	38,827	6	50,784	6	62,740	6	74,697	6	86,653	6	98,609	6	110,566
1/4	3,270	1/4	15,190	1/4	27,145	1/4	39,076	1/4	51,033	1/4	62,989	1/4	74,946	1/4	86,902	1/4	98,858	1/4	110,815
1/2	3,514	1/2	15,439	1/2	27,394	1/2	39,325	1/2	51,282	1/2	63,238	1/2	75,195	1/2	87,151	1/2	99,108	1/2	111,064
3/4	3,758	3/4	15,688	3/4	27,643	3/4	39,575	3/4	51,531	3/4	63,487	3/4	75,444	3/4	87,400	3/4	99,357	3/4	111,313
7	4,002	7	15,937	7	27,892	7	39,824	7	51,780	7	63,736	7	75,693	7	87,649	7	99,606	7	111,562
1/4	4,248	1/4	16,186	1/4	28,140	1/4	40,073	1/4	52,029	1/4	63,986	1/4	75,942	1/4	87,898	1/4	99,855	1/4	111,811
1/2	4,495	1/2	16,435	1/2	28,389	1/2	40,322	1/2	52,278	1/2	64,235	1/2	76,191	1/2	88,147	1/2	100,104	1/2	112,060
3/4	4,741	3/4	16,684	3/4	28,638	3/4	40,571	3/4	52,527	3/4	64,484	3/4	76,440	3/4	88,397	3/4	100,353	3/4	112,309
8	4,987	8	16,933	8	28,887	8	40,820	8	52,776	8	64,733	8	76,689	8	88,646	8	100,602	8	112,559
1/4	5,235	1/4	17,182	1/4	29,135	1/4	41,069	1/4	53,025	1/4	64,982	1/4	76,938	1/4	88,895	1/4	100,851	1/4	112,808
1/2	5,482	1/2	17,432	1/2	29,383	1/2	41,318	1/2	53,275	1/2	65,231	1/2	77,187	1/2	89,144	1/2	101,100	1/2	113,057
3/4	5,730	3/4	17,681	3/4	29,632	3/4	41,567	3/4	53,524	3/4	65,480	3/4	77,437	3/4	89,393	3/4	101,349	3/4	113,306
9	5,978	9	17,930	9	29,880	9	41,816	9	53,773	9	65,729	9	77,686	9	89,642	9	101,598	9	113,555
1/4	6,226	1/4	18,179	1/4	30,128	1/4	42,065	1/4	54,022	1/4	65,978	1/4	77,935	1/4	89,891	1/4	101,848	1/4	113,804
1/2	6,474	1/2	18,428	1/2	30,377	1/2	42,315	1/2	54,271	1/2	66,227	1/2	78,184	1/2	90,140	1/2	102,097	1/2	114,053
3/4	6,723	3/4	18,677	3/4	30,625	3/4	42,564	3/4	54,520	3/4	66,476	3/4	78,433	3/4	90,389	3/4	102,346	3/4	114,302
10	6,971	10	18,926	10	30,874	10	42,813	10	54,769	10	66,726	10	78,682	10	90,638	10	102,595	10	114,551
1/4	7,220	1/4	19,175	1/4	31,122	1/4	43,062	1/4	55,018	1/4	66,975	1/4	78,931	1/4	90,887	1/4	102,844	1/4	114,800
1/2	7,469	1/2	19,424	1/2	31,370	1/2	43,311	1/2	55,267	1/2	67,224	1/2	79,180	1/2	91,137	1/2	103,093	1/2	115,049
3/4	7,718	3/4	19,673	3/4	31,619	3/4	43,560	3/4	55,516	3/4	67,473	3/4	79,429	3/4	91,386	3/4	103,342	3/4	115,299
11	7,966	11	19,922	11	31,867	11	43,809	11	55,766	11	67,722	11	79,678	11	91,635	11	103,591	11	115,548
1/4	8,216	1/4	20,171	1/4	32,115	1/4	44,058	1/4	56,015	1/4	67,971	1/4	79,927	1/4	91,884	1/4	103,840	1/4	115,797
1/2	8,465	1/2	20,421	1/2	32,364	1/2	44,307	1/2	56,264	1/2	68,220	1/2	80,177	1/2	92,133	1/2	104,089	1/2	116,046
3/4	8,714	3/4	20,670	3/4	32,612	3/4	44,556	3/4	56,513	3/4	68,469	3/4	80,426	3/4	92,382	3/4	104,338	3/4	116,295

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 30'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "CBC 1400"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	116,544	0	128,500	0	140,457	0	152,413	0	164,370	0		0		0		0		0	
1/4	116,793	1/4	128,749	1/4	140,706	1/4	152,662	1/4	164,619	1/4		1/4		1/4		1/4		1/4	
1/2	117,042	1/2	128,999	1/2	140,955	1/2	152,911	1/2	164,868	1/2		1/2		1/2		1/2		1/2	
3/4	117,291	3/4	129,248	3/4	141,204	3/4	153,161	3/4	165,117	3/4		3/4		3/4		3/4		3/4	
1	117,540	1	129,497	1	141,453	1	153,410	1	165,366	1		1		1		1		1	
1/4	117,789	1/4	129,746	1/4	141,702	1/4	153,659	1/4	165,615	1/4		1/4		1/4		1/4		1/4	
1/2	118,039	1/2	129,995	1/2	141,951	1/2	153,908	1/2	165,864	1/2		1/2		1/2		1/2		1/2	
3/4	118,288	3/4	130,244	3/4	142,200	3/4	154,157	3/4	166,113	3/4		3/4		3/4		3/4		3/4	
2	118,537	2	130,493	2	142,450	2	154,406	2	166,362	2		2		2		2		2	
1/4	118,786	1/4	130,742	1/4	142,699	1/4	154,655	1/4	166,611	1/4		1/4		1/4		1/4		1/4	
1/2	119,035	1/2	130,991	1/2	142,948	1/2	154,904	1/2	166,861	1/2		1/2		1/2		1/2		1/2	
3/4	119,284	3/4	131,240	3/4	143,197	3/4	155,153	3/4	167,110	3/4		3/4		3/4		3/4		3/4	
3	119,533	3	131,489	3	143,446	3	155,402	3	167,359	3		3		3		3		3	
1/4	119,782	1/4	131,739	1/4	143,695	1/4	155,651	1/4	167,587	1/4		1/4		1/4		1/4		1/4	
1/2	120,031	1/2	131,988	1/2	143,944	1/2	155,901	1/2	167,815	1/2		1/2		1/2		1/2		1/2	
3/4	120,280	3/4	132,237	3/4	144,193	3/4	156,150	3/4	168,044	3/4		3/4		3/4		3/4		3/4	
4	120,529	4	132,486	4	144,442	4	156,399	4	168,272	4		4		4		4		4	
1/4	120,779	1/4	132,735	1/4	144,691	1/4	156,648	1/4	168,459	1/4		1/4		1/4		1/4		1/4	
1/2	121,028	1/2	132,984	1/2	144,940	1/2	156,897	1/2	168,646	1/2		1/2		1/2		1/2		1/2	
3/4	121,277	3/4	133,233	3/4	145,190	3/4	157,146	3/4	168,833	3/4		3/4		3/4		3/4		3/4	
5	121,526	5	133,482	5	145,439	5	157,395	5	169,019	5		5		5		5		5	
1/4	121,775	1/4	133,731	1/4	145,688	1/4	157,644	1/4	169,165	1/4		1/4		1/4		1/4		1/4	
1/2	122,024	1/2	133,980	1/2	145,937	1/2	157,893	1/2	169,310	1/2		1/2		1/2		1/2		1/2	
3/4	122,273	3/4	134,230	3/4	146,186	3/4	158,142	3/4	169,455	3/4		3/4		3/4		3/4		3/4	
6	122,522	6	134,479	6	146,435	6	158,391	6	169,601	6		6		6		6		6	
1/4	122,771	1/4	134,728	1/4	146,684	1/4	158,641	1/4	169,704	1/4		1/4		1/4		1/4		1/4	
1/2	123,020	1/2	134,977	1/2	146,933	1/2	158,890	1/2	169,808	1/2		1/2		1/2		1/2		1/2	
3/4	123,269	3/4	135,226	3/4	147,182	3/4	159,139	3/4	169,912	3/4		3/4		3/4		3/4		3/4	
7	123,519	7	135,475	7	147,431	7	159,388	7	170,016	7		7		7		7		7	
1/4	123,768	1/4	135,724	1/4	147,680	1/4	159,637	1/4	170,078	1/4		1/4		1/4		1/4		1/4	
1/2	124,017	1/2	135,973	1/2	147,930	1/2	159,886	1/2	170,140	1/2		1/2		1/2		1/2		1/2	
3/4	124,266	3/4	136,222	3/4	148,179	3/4	160,135	3/4	170,203	3/4		3/4		3/4		3/4		3/4	
8	124,515	8	136,471	8	148,428	8	160,384	8	170,265	8		8		8		8		8	
1/4	124,764	1/4	136,720	1/4	148,677	1/4	160,633	1/4	170,286	1/4		1/4		1/4		1/4		1/4	
1/2	125,013	1/2	136,970	1/2	148,926	1/2	160,882	1/2	170,306	1/2		1/2		1/2		1/2		1/2	
3/4	125,262	3/4	137,219	3/4	149,175	3/4	161,131	3/4		3/4		3/4		3/4		3/4		3/4	
9	125,511	9	137,468	9	149,424	9	161,381	9		9		9		9		9		9	
1/4	125,760	1/4	137,717	1/4	149,673	1/4	161,630	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,009	1/2	137,966	1/2	149,922	1/2	161,879	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,259	3/4	138,215	3/4	150,171	3/4	162,128	3/4		3/4		3/4		3/4		3/4		3/4	
10	126,508	10	138,464	10	150,420	10	162,377	10		10		10		10		10		10	
1/4	126,757	1/4	138,713	1/4	150,670	1/4	162,626	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,006	1/2	138,962	1/2	150,919	1/2	162,875	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,255	3/4	139,211	3/4	151,168	3/4	163,124	3/4		3/4		3/4		3/4		3/4		3/4	
11	127,504	11	139,460	11	151,417	11	163,373	11		11		11		11		11		11	
1/4	127,753	1/4	139,710	1/4	151,666	1/4	163,622	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,002	1/2	139,959	1/2	151,915	1/2	163,871	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,251	3/4	140,208	3/4	152,164	3/4	164,121	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/20/2018 CL  
CALCULATED: 02/20/2018 CL  
PRINTED: 02/20/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2018

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



# BARGE "CBC 1400"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 4'-00"  
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS 00-1/2"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/2"

LENGTH BETWEEN DRAFT MARKS: 178'-06"

February 20, 2018

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

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# BARGE "CBC 1400"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	144,582	0	136,458	0	128,335	0	120,219	0	109,806	0	98,216	0	86,625	0	86,625
1/4	1/4	1/4	1/4	1/4	144,412	1/4	136,289	1/4	128,166	1/4	120,050	1/4	109,565	1/4	97,974	1/4	86,384	1/4	86,384
1/2	1/2	1/2	1/2	151,506	144,243	1/2	136,120	1/2	127,997	1/2	119,882	1/2	109,324	1/2	97,733	1/2	86,142	1/2	86,142
3/4	3/4	3/4	3/4	151,486	144,074	3/4	135,951	3/4	127,828	3/4	119,713	3/4	109,082	3/4	97,492	3/4	85,901	3/4	85,901
1	1	1	1	151,466	143,905	1	135,782	1	127,658	1	119,544	1	108,841	1	97,250	1	85,659	1	85,659
1/4	1/4	1/4	1/4	151,406	143,735	1/4	135,612	1/4	127,489	1/4	119,376	1/4	108,599	1/4	97,009	1/4	85,418	1/4	85,418
1/2	1/2	1/2	1/2	151,345	143,566	1/2	135,443	1/2	127,320	1/2	119,207	1/2	108,358	1/2	96,767	1/2	85,176	1/2	85,176
3/4	3/4	3/4	3/4	151,285	143,397	3/4	135,274	3/4	127,151	3/4	119,038	3/4	108,116	3/4	96,526	3/4	84,935	3/4	84,935
2	2	2	2	151,224	143,228	2	135,105	2	126,981	2	118,870	2	107,875	2	96,284	2	84,693	2	84,693
1/4	1/4	1/4	1/4	151,123	143,059	1/4	134,935	1/4	126,812	1/4	118,701	1/4	107,633	1/4	96,043	1/4	84,452	1/4	84,452
1/2	1/2	1/2	1/2	151,023	142,889	1/2	134,766	1/2	126,643	1/2	118,532	1/2	107,392	1/2	95,801	1/2	84,211	1/2	84,211
3/4	3/4	3/4	3/4	150,922	142,720	3/4	134,597	3/4	126,474	3/4	118,364	3/4	107,150	3/4	95,560	3/4	83,969	3/4	83,969
3	3	3	3	150,821	142,551	3	134,428	3	126,305	3	118,195	3	106,909	3	95,318	3	83,728	3	83,728
1/4	1/4	1/4	1/4	150,680	142,382	1/4	134,258	1/4	126,135	1/4	118,027	1/4	106,667	1/4	95,077	1/4	83,486	1/4	83,486
1/2	1/2	1/2	1/2	150,539	142,212	1/2	134,089	1/2	125,966	1/2	117,859	1/2	106,426	1/2	94,835	1/2	83,245	1/2	83,245
3/4	3/4	3/4	3/4	150,397	142,043	3/4	133,920	3/4	125,797	3/4	117,690	3/4	106,184	3/4	94,594	3/4	83,003	3/4	83,003
4	4	4	4	150,256	141,874	4	133,751	4	125,628	4	117,522	4	105,943	4	94,352	4	82,762	4	82,762
1/4	1/4	1/4	1/4	150,075	141,705	1/4	133,582	1/4	125,458	1/4	117,281	1/4	105,701	1/4	94,111	1/4	82,521	1/4	82,521
1/2	1/2	1/2	1/2	149,893	141,535	1/2	133,412	1/2	125,289	1/2	117,040	1/2	105,460	1/2	93,869	1/2	82,280	1/2	82,280
3/4	3/4	3/4	3/4	149,712	141,366	3/4	133,243	3/4	125,120	3/4	116,800	3/4	105,219	3/4	93,628	3/4	82,039	3/4	82,039
5	5	5	5	149,530	141,197	5	133,074	5	124,951	5	116,559	5	104,977	5	93,387	5	81,799	5	81,799
1/4	1/4	1/4	1/4	149,309	141,028	1/4	132,905	1/4	124,781	1/4	116,318	1/4	104,736	1/4	93,145	1/4	81,559	1/4	81,559
1/2	1/2	1/2	1/2	149,087	140,859	1/2	132,735	1/2	124,612	1/2	116,077	1/2	104,494	1/2	92,904	1/2	81,319	1/2	81,319
3/4	3/4	3/4	3/4	148,865	140,689	3/4	132,566	3/4	124,443	3/4	115,836	3/4	104,253	3/4	92,662	3/4	81,079	3/4	81,079
6	6	6	6	148,643	140,520	6	132,397	6	124,274	6	115,595	6	104,011	6	92,421	6	80,839	6	80,839
1/4	1/4	1/4	1/4	148,474	140,351	1/4	132,228	1/4	124,105	1/4	115,354	1/4	103,770	1/4	92,179	1/4	80,599	1/4	80,599
1/2	1/2	1/2	1/2	148,305	140,182	1/2	132,058	1/2	123,935	1/2	115,113	1/2	103,528	1/2	91,938	1/2	80,359	1/2	80,359
3/4	3/4	3/4	3/4	148,136	140,012	3/4	131,889	3/4	123,766	3/4	114,872	3/4	103,287	3/4	91,696	3/4	80,119	3/4	80,119
7	7	7	7	147,966	139,843	7	131,720	7	123,597	7	114,631	7	103,045	7	91,455	7	79,879	7	79,879
1/4	1/4	1/4	1/4	147,797	139,674	1/4	131,551	1/4	123,428	1/4	114,390	1/4	102,804	1/4	91,213	1/4	79,639	1/4	79,639
1/2	1/2	1/2	1/2	147,628	139,505	1/2	131,382	1/2	123,258	1/2	114,150	1/2	102,562	1/2	90,972	1/2	79,398	1/2	79,398
3/4	3/4	3/4	3/4	147,459	139,335	3/4	131,212	3/4	123,089	3/4	113,909	3/4	102,321	3/4	90,730	3/4	79,158	3/4	79,158
8	8	8	8	147,289	139,166	8	131,043	8	122,920	8	113,668	8	102,079	8	90,489	8	78,918	8	78,918
1/4	1/4	1/4	1/4	147,120	138,997	1/4	130,874	1/4	122,751	1/4	113,427	1/4	101,838	1/4	90,247	1/4	78,678	1/4	78,678
1/2	1/2	1/2	1/2	146,951	138,828	1/2	130,705	1/2	122,581	1/2	113,186	1/2	101,597	1/2	90,006	1/2	78,438	1/2	78,438
3/4	3/4	3/4	3/4	146,782	138,659	3/4	130,535	3/4	122,412	3/4	112,945	3/4	101,355	3/4	89,765	3/4	78,198	3/4	78,198
9	9	9	9	146,612	138,489	9	130,366	9	122,243	9	112,704	9	101,114	9	89,523	9	77,958	9	77,958
1/4	1/4	1/4	1/4	146,443	138,320	1/4	130,197	1/4	122,074	1/4	112,463	1/4	100,872	1/4	89,282	1/4	77,718	1/4	77,718
1/2	1/2	1/2	1/2	146,274	138,151	1/2	130,028	1/2	121,906	1/2	112,221	1/2	100,631	1/2	89,040	1/2	77,478	1/2	77,478
3/4	3/4	3/4	3/4	146,105	137,982	3/4	129,858	3/4	121,737	3/4	111,980	3/4	100,389	3/4	88,799	3/4	77,238	3/4	77,238
10	10	10	10	145,936	137,812	10	129,689	10	121,568	10	111,738	10	100,148	10	88,557	10	76,998	10	76,998
1/4	1/4	1/4	1/4	145,766	137,643	1/4	129,520	1/4	121,400	1/4	111,497	1/4	99,906	1/4	88,316	1/4	76,758	1/4	76,758
1/2	1/2	1/2	1/2	145,597	137,474	1/2	129,351	1/2	121,231	1/2	111,255	1/2	99,665	1/2	88,074	1/2	76,518	1/2	76,518
3/4	3/4	3/4	3/4	145,428	137,305	3/4	129,182	3/4	121,062	3/4	111,014	3/4	99,423	3/4	87,833	3/4	76,278	3/4	76,278
11	11	11	11	145,259	137,135	11	129,012	11	120,894	11	110,772	11	99,182	11	87,591	11	76,038	11	76,038
1/4	1/4	1/4	1/4	145,089	136,966	1/4	128,843	1/4	120,725	1/4	110,531	1/4	98,940	1/4	87,350	1/4	75,798	1/4	75,798
1/2	1/2	1/2	1/2	144,920	136,797	1/2	128,674	1/2	120,556	1/2	110,289	1/2	98,699	1/2	87,108	1/2	75,558	1/2	75,558
3/4	3/4	3/4	3/4	144,751	136,628	3/4	128,505	3/4	120,388	3/4	110,048	3/4	98,457	3/4	86,867	3/4	75,318	3/4	75,318

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 24'-09" FORWARD OF AFT BULKHEAD

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



# BARGE "CBC 1400"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	75,078	0	63,499	0	51,913	0	40,327	0	28,942	0	17,418	0	5,807	0		0			0
1/4	74,837	1/4	63,258	1/4	51,672	1/4	40,086	1/4	28,708	1/4	17,176	1/4	5,567	1/4		0			1/4
1/2	74,596	1/2	63,016	1/2	51,430	1/2	39,844	1/2	28,473	1/2	16,934	1/2	5,326	1/2		0			1/2
3/4	74,356	3/4	62,775	3/4	51,189	3/4	39,603	3/4	28,239	3/4	16,692	3/4	5,086	3/4		0			3/4
1	74,115	1	62,534	1	50,947	1	39,361	1	28,005	1	16,450	1	4,845	1		1			1
1/4	73,874	1/4	62,292	1/4	50,706	1/4	39,120	1/4	27,770	1/4	16,208	1/4	4,606	1/4		1			1/4
1/2	73,633	1/2	62,051	1/2	50,465	1/2	38,879	1/2	27,536	1/2	15,966	1/2	4,367	1/2		1			1/2
3/4	73,392	3/4	61,809	3/4	50,223	3/4	38,637	3/4	27,301	3/4	15,724	3/4	4,128	3/4		1			3/4
2	73,152	2	61,568	2	49,982	2	38,396	2	27,067	2	15,482	2	3,888	2		2			2
1/4	72,911	1/4	61,327	1/4	49,741	1/4	38,155	1/4	26,832	1/4	15,240	1/4	3,651	1/4		2			1/4
1/2	72,670	1/2	61,085	1/2	49,499	1/2	37,913	1/2	26,597	1/2	14,998	1/2	3,414	1/2		2			1/2
3/4	72,429	3/4	60,844	3/4	49,258	3/4	37,672	3/4	26,363	3/4	14,756	3/4	3,177	3/4		2			3/4
3	72,189	3	60,602	3	49,016	3	37,430	3	26,128	3	14,514	3	2,940	3		3			3
1/4	71,947	1/4	60,361	1/4	48,775	1/4	37,189	1/4	25,886	1/4	14,272	1/4	2,719	1/4		3			1/4
1/2	71,706	1/2	60,120	1/2	48,534	1/2	36,948	1/2	25,644	1/2	14,030	1/2	2,498	1/2		3			1/2
3/4	71,464	3/4	59,878	3/4	48,292	3/4	36,706	3/4	25,402	3/4	13,788	3/4	2,276	3/4		3			3/4
4	71,223	4	59,637	4	48,051	4	36,465	4	25,160	4	13,546	4	2,055	4		4			4
1/4	70,982	1/4	59,396	1/4	47,810	1/4	36,224	1/4	24,918	1/4	13,304	1/4	1,874	1/4		4			1/4
1/2	70,740	1/2	59,154	1/2	47,568	1/2	35,982	1/2	24,676	1/2	13,062	1/2	1,693	1/2		4			1/2
3/4	70,499	3/4	58,913	3/4	47,327	3/4	35,741	3/4	24,434	3/4	12,820	3/4	1,511	3/4		4			3/4
5	70,258	5	58,671	5	47,085	5	35,499	5	24,193	5	12,579	5	1,330	5		5			5
1/4	70,016	1/4	58,430	1/4	46,844	1/4	35,265	1/4	23,951	1/4	12,337	1/4	1,189	1/4		5			1/4
1/2	69,775	1/2	58,189	1/2	46,603	1/2	35,031	1/2	23,709	1/2	12,095	1/2	1,047	1/2		5			1/2
3/4	69,533	3/4	57,947	3/4	46,361	3/4	34,797	3/4	23,467	3/4	11,853	3/4	906	3/4		5			3/4
6	69,292	6	57,706	6	46,120	6	34,563	6	23,225	6	11,611	6	765	6		6			6
1/4	69,051	1/4	57,465	1/4	45,879	1/4	34,328	1/4	22,983	1/4	11,369	1/4	664	1/4		6			1/4
1/2	68,809	1/2	57,223	1/2	45,637	1/2	34,094	1/2	22,741	1/2	11,127	1/2	564	1/2		6			1/2
3/4	68,568	3/4	56,982	3/4	45,396	3/4	33,860	3/4	22,499	3/4	10,885	3/4	463	3/4		6			3/4
7	68,327	7	56,740	7	45,154	7	33,626	7	22,257	7	10,643	7	362	7		7			7
1/4	68,085	1/4	56,499	1/4	44,913	1/4	33,392	1/4	22,015	1/4	10,401	1/4	301	1/4		7			1/4
1/2	67,844	1/2	56,258	1/2	44,672	1/2	33,157	1/2	21,773	1/2	10,159	1/2	241	1/2		7			1/2
3/4	67,602	3/4	56,016	3/4	44,430	3/4	32,923	3/4	21,531	3/4	9,917	3/4	181	3/4		7			3/4
8	67,361	8	55,775	8	44,189	8	32,689	8	21,289	8	9,675	8	120	8		8			8
1/4	67,120	1/4	55,534	1/4	43,948	1/4	32,455	1/4	21,047	1/4	9,433	1/4	100	1/4		8			1/4
1/2	66,878	1/2	55,292	1/2	43,706	1/2	32,221	1/2	20,805	1/2	9,191	1/2	80	1/2		8			1/2
3/4	66,637	3/4	55,051	3/4	43,465	3/4	31,986	3/4	20,563	3/4	8,949	3/4	60	3/4		8			3/4
9	66,396	9	54,809	9	43,223	9	31,752	9	20,321	9	8,707	9	39	9		9			9
1/4	66,154	1/4	54,568	1/4	42,982	1/4	31,518	1/4	20,079	1/4	8,465	1/4		1/4		9			1/4
1/2	65,913	1/2	54,327	1/2	42,741	1/2	31,284	1/2	19,837	1/2	8,223	1/2		1/2		9			1/2
3/4	65,671	3/4	54,085	3/4	42,499	3/4	31,050	3/4	19,595	3/4	7,981	3/4		3/4		9			3/4
10	65,430	10	53,844	10	42,258	10	30,815	10	19,353	10	7,739	10		10		10			10
1/4	65,189	1/4	53,603	1/4	42,017	1/4	30,581	1/4	19,111	1/4	7,498	1/4		1/4		10			1/4
1/2	64,947	1/2	53,361	1/2	41,775	1/2	30,347	1/2	18,869	1/2	7,256	1/2		1/2		10			1/2
3/4	64,706	3/4	53,120	3/4	41,534	3/4	30,113	3/4	18,627	3/4	7,014	3/4		3/4		10			3/4
11	64,465	11	52,878	11	41,292	11	29,879	11	18,386	11	6,772	11		11		11			11
1/4	64,223	1/4	52,637	1/4	41,051	1/4	29,644	1/4	18,144	1/4	6,531	1/4		1/4		11			1/4
1/2	63,982	1/2	52,396	1/2	40,810	1/2	29,410	1/2	17,902	1/2	6,290	1/2		1/2		11			1/2
3/4	63,740	3/4	52,154	3/4	40,568	3/4	29,176	3/4	17,660	3/4	6,049	3/4		3/4		11			3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/20/2018 CL  
CALCULATED: 02/20/2018 CL  
PRINTED: 02/20/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2018

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



# BARGE "CBC 1400"

## 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	180,611	0	167,187	0	153,762	0	140,338	0	126,914	0	113,490	0	100,066
1/4		1/4		1/4	190,912	1/4	180,331	1/4	166,907	1/4	153,483	1/4	140,059	1/4	126,634	1/4	113,210	1/4	99,786
1/2		1/2		1/2	190,889	1/2	180,052	1/2	166,627	1/2	153,203	1/2	139,779	1/2	126,355	1/2	112,930	1/2	99,506
3/4		3/4		3/4	190,865	3/4	179,772	3/4	166,348	3/4	152,923	3/4	139,499	3/4	126,075	3/4	112,651	3/4	99,227
1	1	1	1	1	190,796	1	179,492	1	166,068	1	152,644	1	139,220	1	125,795	1	112,371	1	98,947
1/4		1/4		1/4	190,726	1/4	179,213	1/4	165,788	1/4	152,364	1/4	138,940	1/4	125,516	1/4	112,091	1/4	98,667
1/2		1/2		1/2	190,656	1/2	178,933	1/2	165,509	1/2	152,084	1/2	138,660	1/2	125,236	1/2	111,812	1/2	98,388
3/4		3/4		3/4	190,586	3/4	178,653	3/4	165,229	3/4	151,805	3/4	138,381	3/4	124,956	3/4	111,532	3/4	98,108
2	2	2	2	2	190,469	2	178,374	2	164,949	2	151,525	2	138,101	2	124,677	2	111,252	2	97,828
1/4		1/4		1/4	190,353	1/4	178,094	1/4	164,670	1/4	151,245	1/4	137,821	1/4	124,397	1/4	110,973	1/4	97,549
1/2		1/2		1/2	190,236	1/2	177,814	1/2	164,390	1/2	150,966	1/2	137,542	1/2	124,117	1/2	110,693	1/2	97,269
3/4		3/4		3/4	190,120	3/4	177,534	3/4	164,110	3/4	150,686	3/4	137,262	3/4	123,838	3/4	110,413	3/4	96,989
3	3	3	3	3	189,957	3	177,255	3	163,831	3	150,406	3	136,982	3	123,558	3	110,134	3	96,710
1/4		1/4		1/4	189,793	1/4	176,975	1/4	163,551	1/4	150,127	1/4	136,703	1/4	123,278	1/4	109,854	1/4	96,430
1/2		1/2		1/2	189,630	1/2	176,695	1/2	163,271	1/2	149,847	1/2	136,423	1/2	122,999	1/2	109,574	1/2	96,150
3/4		3/4		3/4	189,467	3/4	176,416	3/4	162,992	3/4	149,567	3/4	136,143	3/4	122,719	3/4	109,295	3/4	95,871
4	4	4	4	4	189,257	4	176,136	4	162,712	4	149,288	4	135,864	4	122,439	4	109,015	4	95,591
1/4		1/4		1/4	189,048	1/4	175,856	1/4	162,432	1/4	149,008	1/4	135,584	1/4	122,160	1/4	108,735	1/4	95,311
1/2		1/2		1/2	188,838	1/2	175,577	1/2	162,153	1/2	148,728	1/2	135,304	1/2	121,880	1/2	108,456	1/2	95,032
3/4		3/4		3/4	188,628	3/4	175,297	3/4	161,873	3/4	148,449	3/4	135,025	3/4	121,600	3/4	108,176	3/4	94,752
5	5	5	5	5	188,372	5	175,017	5	161,593	5	148,169	5	134,745	5	121,321	5	107,896	5	94,472
1/4		1/4		1/4	188,115	1/4	174,738	1/4	161,314	1/4	147,889	1/4	134,465	1/4	121,041	1/4	107,617	1/4	94,193
1/2		1/2		1/2	187,859	1/2	174,458	1/2	161,034	1/2	147,610	1/2	134,185	1/2	120,761	1/2	107,337	1/2	93,913
3/4		3/4		3/4	187,603	3/4	174,178	3/4	160,754	3/4	147,330	3/4	133,906	3/4	120,482	3/4	107,057	3/4	93,633
6	6	6	6	6	187,323	6	173,899	6	160,475	6	147,050	6	133,626	6	120,202	6	106,778	6	93,354
1/4		1/4		1/4	187,043	1/4	173,619	1/4	160,195	1/4	146,771	1/4	133,346	1/4	119,922	1/4	106,498	1/4	93,074
1/2		1/2		1/2	186,764	1/2	173,339	1/2	159,915	1/2	146,491	1/2	133,067	1/2	119,643	1/2	106,218	1/2	92,794
3/4		3/4		3/4	186,484	3/4	173,060	3/4	159,636	3/4	146,211	3/4	132,787	3/4	119,363	3/4	105,939	3/4	92,515
7	7	7	7	7	186,204	7	172,780	7	159,356	7	145,932	7	132,507	7	119,083	7	105,659	7	92,235
1/4		1/4		1/4	185,925	1/4	172,500	1/4	159,076	1/4	145,652	1/4	132,228	1/4	118,804	1/4	105,379	1/4	91,955
1/2		1/2		1/2	185,645	1/2	172,221	1/2	158,797	1/2	145,372	1/2	131,948	1/2	118,524	1/2	105,100	1/2	91,675
3/4		3/4		3/4	185,365	3/4	171,941	3/4	158,517	3/4	145,093	3/4	131,668	3/4	118,244	3/4	104,820	3/4	91,396
8	8	8	8	8	185,086	8	171,661	8	158,237	8	144,813	8	131,389	8	117,965	8	104,540	8	91,116
1/4		1/4		1/4	184,806	1/4	171,382	1/4	157,958	1/4	144,533	1/4	131,109	1/4	117,685	1/4	104,261	1/4	90,836
1/2		1/2		1/2	184,526	1/2	171,102	1/2	157,678	1/2	144,254	1/2	130,829	1/2	117,405	1/2	103,981	1/2	90,557
3/4		3/4		3/4	184,247	3/4	170,822	3/4	157,398	3/4	143,974	3/4	130,550	3/4	117,126	3/4	103,701	3/4	90,277
9	9	9	9	9	183,967	9	170,543	9	157,119	9	143,694	9	130,270	9	116,846	9	103,422	9	89,997
1/4		1/4		1/4	183,687	1/4	170,263	1/4	156,839	1/4	143,415	1/4	129,990	1/4	116,566	1/4	103,142	1/4	89,718
1/2		1/2		1/2	183,408	1/2	169,983	1/2	156,559	1/2	143,135	1/2	129,711	1/2	116,287	1/2	102,862	1/2	89,438
3/4		3/4		3/4	183,128	3/4	169,704	3/4	156,279	3/4	142,855	3/4	129,431	3/4	116,007	3/4	102,583	3/4	89,158
10	10	10	10	10	182,848	10	169,424	10	156,000	10	142,576	10	129,151	10	115,727	10	102,303	10	88,879
1/4		1/4		1/4	182,569	1/4	169,144	1/4	155,720	1/4	142,296	1/4	128,872	1/4	115,448	1/4	102,023	1/4	88,599
1/2		1/2		1/2	182,289	1/2	168,865	1/2	155,440	1/2	142,016	1/2	128,592	1/2	115,168	1/2	101,744	1/2	88,319
3/4		3/4		3/4	182,009	3/4	168,585	3/4	155,161	3/4	141,737	3/4	128,312	3/4	114,888	3/4	101,464	3/4	88,040
11	11	11	11	11	181,730	11	168,305	11	154,881	11	141,457	11	128,033	11	114,609	11	101,184	11	87,760
1/4		1/4		1/4	181,450	1/4	168,026	1/4	154,601	1/4	141,177	1/4	127,753	1/4	114,329	1/4	100,905	1/4	87,480
1/2		1/2		1/2	181,170	1/2	167,746	1/2	154,322	1/2	140,898	1/2	127,473	1/2	114,049	1/2	100,625	1/2	87,201
3/4		3/4		3/4	180,891	3/4	167,466	3/4	154,042	3/4	140,618	3/4	127,194	3/4	113,770	3/4	100,345	3/4	86,921

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 37'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "CBC 1400"

## 2 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	86,641	0	73,217	0	59,793	0	46,369	0	33,214	0	19,846	0	6,429	0		0			
1/4	86,362	1/4	72,938	1/4	59,513	1/4	46,089	1/4	32,943	1/4	19,567	1/4	6,151	1/4		1/4			
1/2	86,082	1/2	72,658	1/2	59,234	1/2	45,809	1/2	32,671	1/2	19,287	1/2	5,873	1/2		1/2			
3/4	85,802	3/4	72,378	3/4	58,954	3/4	45,530	3/4	32,400	3/4	19,007	3/4	5,595	3/4		3/4			
1	85,523	1	72,099	1	58,674	1	45,250	1	32,128	1	18,728	1	5,318	1		1			
1/4	85,243	1/4	71,819	1/4	58,395	1/4	44,970	1/4	31,856	1/4	18,448	1/4	5,042	1/4		1/4			
1/2	84,963	1/2	71,539	1/2	58,115	1/2	44,691	1/2	31,584	1/2	18,168	1/2	4,765	1/2		1/2			
3/4	84,684	3/4	71,260	3/4	57,835	3/4	44,411	3/4	31,313	3/4	17,889	3/4	4,489	3/4		3/4			
2	84,404	2	70,980	2	57,556	2	44,131	2	31,033	2	17,609	2	4,215	2		2			
1/4	84,124	1/4	70,700	1/4	57,276	1/4	43,852	1/4	30,753	1/4	17,329	1/4	3,940	1/4		1/4			
1/2	83,845	1/2	70,421	1/2	56,996	1/2	43,572	1/2	30,474	1/2	17,050	1/2	3,666	1/2		1/2			
3/4	83,565	3/4	70,141	3/4	56,717	3/4	43,292	3/4	30,194	3/4	16,770	3/4	3,392	3/4		3/4			
3	83,285	3	69,861	3	56,437	3	43,013	3	29,914	3	16,490	3	3,137	3		3			
1/4	83,006	1/4	69,581	1/4	56,157	1/4	42,733	1/4	29,635	1/4	16,211	1/4	2,881	1/4		1/4			
1/2	82,726	1/2	69,302	1/2	55,878	1/2	42,453	1/2	29,355	1/2	15,931	1/2	2,625	1/2		1/2			
3/4	82,446	3/4	69,022	3/4	55,598	3/4	42,174	3/4	29,075	3/4	15,651	3/4	2,370	3/4		3/4			
4	82,167	4	68,742	4	55,318	4	41,902	4	28,796	4	15,372	4	2,160	4		4			
1/4	81,887	1/4	68,463	1/4	55,039	1/4	41,630	1/4	28,516	1/4	15,092	1/4	1,950	1/4		1/4			
1/2	81,607	1/2	68,183	1/2	54,759	1/2	41,358	1/2	28,236	1/2	14,812	1/2	1,741	1/2		1/2			
3/4	81,328	3/4	67,903	3/4	54,479	3/4	41,086	3/4	27,957	3/4	14,533	3/4	1,531	3/4		3/4			
5	81,048	5	67,624	5	54,200	5	40,815	5	27,677	5	14,253	5	1,368	5		5			
1/4	80,768	1/4	67,344	1/4	53,920	1/4	40,544	1/4	27,397	1/4	13,974	1/4	1,205	1/4		1/4			
1/2	80,489	1/2	67,064	1/2	53,640	1/2	40,272	1/2	27,118	1/2	13,694	1/2	1,041	1/2		1/2			
3/4	80,209	3/4	66,785	3/4	53,361	3/4	40,001	3/4	26,838	3/4	13,414	3/4	878	3/4		3/4			
6	79,929	6	66,505	6	53,081	6	39,729	6	26,558	6	13,135	6	762	6		6			
1/4	79,650	1/4	66,225	1/4	52,801	1/4	39,458	1/4	26,279	1/4	12,855	1/4	645	1/4		1/4			
1/2	79,370	1/2	65,946	1/2	52,522	1/2	39,186	1/2	25,999	1/2	12,575	1/2	529	1/2		1/2			
3/4	79,090	3/4	65,666	3/4	52,242	3/4	38,915	3/4	25,719	3/4	12,296	3/4	412	3/4		3/4			
7	78,811	7	65,386	7	51,962	7	38,643	7	25,440	7	12,016	7	342	7		7			
1/4	78,531	1/4	65,107	1/4	51,683	1/4	38,372	1/4	25,160	1/4	11,736	1/4	272	1/4		1/4			
1/2	78,251	1/2	64,827	1/2	51,403	1/2	38,100	1/2	24,880	1/2	11,457	1/2	202	1/2		1/2			
3/4	77,972	3/4	64,547	3/4	51,123	3/4	37,829	3/4	24,601	3/4	11,177	3/4	133	3/4		3/4			
8	77,692	8	64,268	8	50,844	8	37,557	8	24,321	8	10,897	8	109	8		8			
1/4	77,412	1/4	63,988	1/4	50,564	1/4	37,286	1/4	24,041	1/4	10,618	1/4	86	1/4		1/4			
1/2	77,133	1/2	63,708	1/2	50,284	1/2	37,015	1/2	23,762	1/2	10,338	1/2	63	1/2		1/2			
3/4	76,853	3/4	63,429	3/4	50,005	3/4	36,743	3/4	23,482	3/4	10,058	3/4	39	3/4		3/4			
9	76,573	9	63,149	9	49,725	9	36,472	9	23,202	9	9,779	9		9		9			
1/4	76,294	1/4	62,869	1/4	49,445	1/4	36,200	1/4	22,923	1/4	9,499	1/4		1/4		1/4			
1/2	76,014	1/2	62,590	1/2	49,166	1/2	35,929	1/2	22,643	1/2	9,219	1/2		1/2		1/2			
3/4	75,734	3/4	62,310	3/4	48,886	3/4	35,657	3/4	22,363	3/4	8,940	3/4		3/4		3/4			
10	75,455	10	62,030	10	48,606	10	35,386	10	22,084	10	8,660	10		10		10			
1/4	75,175	1/4	61,751	1/4	48,326	1/4	35,114	1/4	21,804	1/4	8,381	1/4		1/4		1/4			
1/2	74,895	1/2	61,471	1/2	48,047	1/2	34,843	1/2	21,524	1/2	8,101	1/2		1/2		1/2			
3/4	74,616	3/4	61,191	3/4	47,767	3/4	34,571	3/4	21,245	3/4	7,822	3/4		3/4		3/4			
11	74,336	11	60,912	11	47,487	11	34,300	11	20,965	11	7,543	11		11		11			
1/4	74,056	1/4	60,632	1/4	47,208	1/4	34,029	1/4	20,685	1/4	7,264	1/4		1/4		1/4			
1/2	73,777	1/2	60,352	1/2	46,928	1/2	33,757	1/2	20,406	1/2	6,985	1/2		1/2		1/2			
3/4	73,497	3/4	60,073	3/4	46,648	3/4	33,486	3/4	20,126	3/4	6,707	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/20/2018 CL  
CALCULATED: 02/20/2018 CL  
PRINTED: 02/20/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2018

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



# BARGE "CBC 1400"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	161,381	0	149,424	0	137,468	0	125,511	0	113,555	0	101,598	0	89,642
1/4	1/4	1/4	1/4	1/4	1/4	1/4	161,131	1/4	149,175	1/4	137,219	1/4	125,262	1/4	113,306	1/4	101,349	1/4	89,393
1/2	1/2	1/2	1/2	1/2	170,306	1/2	160,882	1/2	148,926	1/2	136,970	1/2	125,013	1/2	113,057	1/2	101,100	1/2	89,144
3/4	3/4	3/4	3/4	3/4	170,286	3/4	160,633	3/4	148,677	3/4	136,720	3/4	124,764	3/4	112,808	3/4	100,851	3/4	88,895
1	1	1	1	1	170,265	1	160,384	1	148,428	1	136,471	1	124,515	1	112,559	1	100,602	1	88,646
1/4	1/4	1/4	1/4	1/4	170,203	1/4	160,135	1/4	148,179	1/4	136,222	1/4	124,266	1/4	112,309	1/4	100,353	1/4	88,397
1/2	1/2	1/2	1/2	1/2	170,140	1/2	159,886	1/2	147,930	1/2	135,973	1/2	124,017	1/2	112,060	1/2	100,104	1/2	88,147
3/4	3/4	3/4	3/4	3/4	170,078	3/4	159,637	3/4	147,680	3/4	135,724	3/4	123,768	3/4	111,811	3/4	99,855	3/4	87,898
2	2	2	2	2	170,016	2	159,388	2	147,431	2	135,475	2	123,519	2	111,562	2	99,606	2	87,649
1/4	1/4	1/4	1/4	1/4	169,912	1/4	159,139	1/4	147,182	1/4	135,226	1/4	123,269	1/4	111,313	1/4	99,357	1/4	87,400
1/2	1/2	1/2	1/2	1/2	169,808	1/2	158,890	1/2	146,933	1/2	134,977	1/2	123,020	1/2	111,064	1/2	99,108	1/2	87,151
3/4	3/4	3/4	3/4	3/4	169,704	3/4	158,641	3/4	146,684	3/4	134,728	3/4	122,771	3/4	110,815	3/4	98,858	3/4	86,902
3	3	3	3	3	169,601	3	158,391	3	146,435	3	134,479	3	122,522	3	110,566	3	98,609	3	86,653
1/4	1/4	1/4	1/4	1/4	169,455	1/4	158,142	1/4	146,186	1/4	134,230	1/4	122,273	1/4	110,317	1/4	98,360	1/4	86,404
1/2	1/2	1/2	1/2	1/2	169,310	1/2	157,893	1/2	145,937	1/2	133,980	1/2	122,024	1/2	110,068	1/2	98,111	1/2	86,155
3/4	3/4	3/4	3/4	3/4	169,165	3/4	157,644	3/4	145,688	3/4	133,731	3/4	121,775	3/4	109,818	3/4	97,862	3/4	85,906
4	4	4	4	4	169,019	4	157,395	4	145,439	4	133,482	4	121,526	4	109,569	4	97,613	4	85,657
1/4	1/4	1/4	1/4	1/4	168,833	1/4	157,146	1/4	145,190	1/4	133,233	1/4	121,277	1/4	109,320	1/4	97,364	1/4	85,407
1/2	1/2	1/2	1/2	1/2	168,646	1/2	156,897	1/2	144,940	1/2	132,984	1/2	121,028	1/2	109,071	1/2	97,115	1/2	85,158
3/4	3/4	3/4	3/4	3/4	168,459	3/4	156,648	3/4	144,691	3/4	132,735	3/4	120,779	3/4	108,822	3/4	96,866	3/4	84,909
5	5	5	5	5	168,272	5	156,399	5	144,442	5	132,486	5	120,529	5	108,573	5	96,617	5	84,660
1/4	1/4	1/4	1/4	1/4	168,044	1/4	156,150	1/4	144,193	1/4	132,237	1/4	120,280	1/4	108,324	1/4	96,368	1/4	84,411
1/2	1/2	1/2	1/2	1/2	167,815	1/2	155,901	1/2	143,944	1/2	131,988	1/2	120,031	1/2	108,075	1/2	96,118	1/2	84,162
3/4	3/4	3/4	3/4	3/4	167,587	3/4	155,651	3/4	143,695	3/4	131,739	3/4	119,782	3/4	107,826	3/4	95,869	3/4	83,913
6	6	6	6	6	167,359	6	155,402	6	143,446	6	131,489	6	119,533	6	107,577	6	95,620	6	83,664
1/4	1/4	1/4	1/4	1/4	167,110	1/4	155,153	1/4	143,197	1/4	131,240	1/4	119,284	1/4	107,328	1/4	95,371	1/4	83,415
1/2	1/2	1/2	1/2	1/2	166,861	1/2	154,904	1/2	142,948	1/2	130,991	1/2	119,035	1/2	107,078	1/2	95,122	1/2	83,166
3/4	3/4	3/4	3/4	3/4	166,611	3/4	154,655	3/4	142,699	3/4	130,742	3/4	118,786	3/4	106,829	3/4	94,873	3/4	82,917
7	7	7	7	7	166,362	7	154,406	7	142,450	7	130,493	7	118,537	7	106,580	7	94,624	7	82,667
1/4	1/4	1/4	1/4	1/4	166,113	1/4	154,157	1/4	142,200	1/4	130,244	1/4	118,288	1/4	106,331	1/4	94,375	1/4	82,418
1/2	1/2	1/2	1/2	1/2	165,864	1/2	153,908	1/2	141,951	1/2	129,995	1/2	118,039	1/2	106,082	1/2	94,126	1/2	82,169
3/4	3/4	3/4	3/4	3/4	165,615	3/4	153,659	3/4	141,702	3/4	129,746	3/4	117,789	3/4	105,833	3/4	93,877	3/4	81,920
8	8	8	8	8	165,366	8	153,410	8	141,453	8	129,497	8	117,540	8	105,584	8	93,628	8	81,671
1/4	1/4	1/4	1/4	1/4	165,117	1/4	153,161	1/4	141,204	1/4	129,248	1/4	117,291	1/4	105,335	1/4	93,378	1/4	81,422
1/2	1/2	1/2	1/2	1/2	164,868	1/2	152,911	1/2	140,955	1/2	128,999	1/2	117,042	1/2	105,086	1/2	93,129	1/2	81,173
3/4	3/4	3/4	3/4	3/4	164,619	3/4	152,662	3/4	140,706	3/4	128,749	3/4	116,793	3/4	104,837	3/4	92,880	3/4	80,924
9	9	9	9	9	164,370	9	152,413	9	140,457	9	128,500	9	116,544	9	104,588	9	92,631	9	80,675
1/4	1/4	1/4	1/4	1/4	164,121	1/4	152,164	1/4	140,208	1/4	128,251	1/4	116,295	1/4	104,338	1/4	92,382	1/4	80,426
1/2	1/2	1/2	1/2	1/2	163,871	1/2	151,915	1/2	139,959	1/2	128,002	1/2	116,046	1/2	104,089	1/2	92,133	1/2	80,177
3/4	3/4	3/4	3/4	3/4	163,622	3/4	151,666	3/4	139,710	3/4	127,753	3/4	115,797	3/4	103,840	3/4	91,884	3/4	79,927
10	10	10	10	10	163,373	10	151,417	10	139,460	10	127,504	10	115,548	10	103,591	10	91,635	10	79,678
1/4	1/4	1/4	1/4	1/4	163,124	1/4	151,168	1/4	139,211	1/4	127,255	1/4	115,299	1/4	103,342	1/4	91,386	1/4	79,429
1/2	1/2	1/2	1/2	1/2	162,875	1/2	150,919	1/2	138,962	1/2	127,006	1/2	115,049	1/2	103,093	1/2	91,137	1/2	79,180
3/4	3/4	3/4	3/4	3/4	162,626	3/4	150,670	3/4	138,713	3/4	126,757	3/4	114,800	3/4	102,844	3/4	90,887	3/4	78,931
11	11	11	11	11	162,377	11	150,420	11	138,464	11	126,508	11	114,551	11	102,595	11	90,638	11	78,682
1/4	1/4	1/4	1/4	1/4	162,128	1/4	150,171	1/4	138,215	1/4	126,259	1/4	114,302	1/4	102,346	1/4	90,389	1/4	78,433
1/2	1/2	1/2	1/2	1/2	161,879	1/2	149,922	1/2	137,966	1/2	126,009	1/2	114,053	1/2	102,097	1/2	90,140	1/2	78,184
3/4	3/4	3/4	3/4	3/4	161,630	3/4	149,673	3/4	137,717	3/4	125,760	3/4	113,804	3/4	101,848	3/4	89,891	3/4	77,935

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 30'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
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# BARGE "CBC 1400"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	77,686	0	65,729	0	53,773	0	41,816	0	29,880	0	17,930	0	5,978	0		0			0
1/4	77,437	1/4	65,480	1/4	53,524	1/4	41,567	1/4	29,632	1/4	17,681	1/4	5,730	1/4		1/4			1/4
1/2	77,187	1/2	65,231	1/2	53,275	1/2	41,318	1/2	29,383	1/2	17,432	1/2	5,482	1/2		1/2			1/2
3/4	76,938	3/4	64,982	3/4	53,025	3/4	41,069	3/4	29,135	3/4	17,182	3/4	5,235	3/4		3/4			3/4
1	76,689	1	64,733	1	52,776	1	40,820	1	28,887	1	16,933	1	4,987	1		1			1
1/4	76,440	1/4	64,484	1/4	52,527	1/4	40,571	1/4	28,638	1/4	16,684	1/4	4,741	1/4		1/4			1/4
1/2	76,191	1/2	64,235	1/2	52,278	1/2	40,322	1/2	28,389	1/2	16,435	1/2	4,495	1/2		1/2			1/2
3/4	75,942	3/4	63,986	3/4	52,029	3/4	40,073	3/4	28,140	3/4	16,186	3/4	4,248	3/4		3/4			3/4
2	75,693	2	63,736	2	51,780	2	39,824	2	27,892	2	15,937	2	4,002	2		2			2
1/4	75,444	1/4	63,487	1/4	51,531	1/4	39,575	1/4	27,643	1/4	15,688	1/4	3,758	1/4		1/4			1/4
1/2	75,195	1/2	63,238	1/2	51,282	1/2	39,325	1/2	27,394	1/2	15,439	1/2	3,514	1/2		1/2			1/2
3/4	74,946	3/4	62,989	3/4	51,033	3/4	39,076	3/4	27,145	3/4	15,190	3/4	3,270	3/4		3/4			3/4
3	74,697	3	62,740	3	50,784	3	38,827	3	26,897	3	14,941	3	3,026	3		3			3
1/4	74,447	1/4	62,491	1/4	50,535	1/4	38,578	1/4	26,648	1/4	14,692	1/4	2,798	1/4		1/4			1/4
1/2	74,198	1/2	62,242	1/2	50,285	1/2	38,329	1/2	26,399	1/2	14,443	1/2	2,570	1/2		1/2			1/2
3/4	73,949	3/4	61,993	3/4	50,036	3/4	38,080	3/4	26,149	3/4	14,193	3/4	2,343	3/4		3/4			3/4
4	73,700	4	61,744	4	49,787	4	37,831	4	25,900	4	13,944	4	2,115	4		4			4
1/4	73,451	1/4	61,495	1/4	49,538	1/4	37,582	1/4	25,651	1/4	13,695	1/4	1,928	1/4		1/4			1/4
1/2	73,202	1/2	61,246	1/2	49,289	1/2	37,333	1/2	25,402	1/2	13,446	1/2	1,741	1/2		1/2			1/2
3/4	72,953	3/4	60,996	3/4	49,040	3/4	37,084	3/4	25,153	3/4	13,197	3/4	1,555	3/4		3/4			3/4
5	72,704	5	60,747	5	48,791	5	36,835	5	24,904	5	12,948	5	1,368	5		5			5
1/4	72,455	1/4	60,498	1/4	48,542	1/4	36,586	1/4	24,655	1/4	12,699	1/4	1,222	1/4		1/4			1/4
1/2	72,206	1/2	60,249	1/2	48,293	1/2	36,338	1/2	24,406	1/2	12,450	1/2	1,077	1/2		1/2			1/2
3/4	71,956	3/4	60,000	3/4	48,044	3/4	36,089	3/4	24,157	3/4	12,201	3/4	932	3/4		3/4			3/4
6	71,707	6	59,751	6	47,795	6	35,841	6	23,908	6	11,952	6	787	6		6			6
1/4	71,458	1/4	59,502	1/4	47,545	1/4	35,593	1/4	23,659	1/4	11,703	1/4	683	1/4		1/4			1/4
1/2	71,209	1/2	59,253	1/2	47,296	1/2	35,344	1/2	23,410	1/2	11,454	1/2	579	1/2		1/2			1/2
3/4	70,960	3/4	59,004	3/4	47,047	3/4	35,096	3/4	23,160	3/4	11,204	3/4	475	3/4		3/4			3/4
7	70,711	7	58,755	7	46,798	7	34,848	7	22,911	7	10,955	7	371	7		7			7
1/4	70,462	1/4	58,506	1/4	46,549	1/4	34,599	1/4	22,662	1/4	10,706	1/4	309	1/4		1/4			1/4
1/2	70,213	1/2	58,256	1/2	46,300	1/2	34,351	1/2	22,413	1/2	10,457	1/2	247	1/2		1/2			1/2
3/4	69,964	3/4	58,007	3/4	46,051	3/4	34,102	3/4	22,164	3/4	10,208	3/4	185	3/4		3/4			3/4
8	69,715	8	57,758	8	45,802	8	33,854	8	21,915	8	9,959	8	122	8		8			8
1/4	69,466	1/4	57,509	1/4	45,553	1/4	33,606	1/4	21,666	1/4	9,710	1/4	102	1/4		1/4			1/4
1/2	69,216	1/2	57,260	1/2	45,304	1/2	33,357	1/2	21,417	1/2	9,461	1/2	81	1/2		1/2			1/2
3/4	68,967	3/4	57,011	3/4	45,055	3/4	33,109	3/4	21,168	3/4	9,212	3/4	60	3/4		3/4			3/4
9	68,718	9	56,762	9	44,805	9	32,861	9	20,919	9	8,963	9	39	9		9			9
1/4	68,469	1/4	56,513	1/4	44,556	1/4	32,612	1/4	20,670	1/4	8,714	1/4		1/4		1/4			1/4
1/2	68,220	1/2	56,264	1/2	44,307	1/2	32,364	1/2	20,421	1/2	8,465	1/2		1/2		1/2			1/2
3/4	67,971	3/4	56,015	3/4	44,058	3/4	32,115	3/4	20,171	3/4	8,216	3/4		3/4		3/4			3/4
10	67,722	10	55,766	10	43,809	10	31,867	10	19,922	10	7,966	10		10		10			10
1/4	67,473	1/4	55,516	1/4	43,560	1/4	31,619	1/4	19,673	1/4	7,718	1/4		1/4		1/4			1/4
1/2	67,224	1/2	55,267	1/2	43,311	1/2	31,370	1/2	19,424	1/2	7,469	1/2		1/2		1/2			1/2
3/4	66,975	3/4	55,018	3/4	43,062	3/4	31,122	3/4	19,175	3/4	7,220	3/4		3/4		3/4			3/4
11	66,726	11	54,769	11	42,813	11	30,874	11	18,926	11	6,971	11		11		11			11
1/4	66,476	1/4	54,520	1/4	42,564	1/4	30,625	1/4	18,677	1/4	6,723	1/4		1/4		1/4			1/4
1/2	66,227	1/2	54,271	1/2	42,315	1/2	30,377	1/2	18,428	1/2	6,474	1/2		1/2		1/2			1/2
3/4	65,978	3/4	54,022	3/4	42,065	3/4	30,128	3/4	18,179	3/4	6,226	3/4		3/4		3/4			3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/20/2018 CL  
CALCULATED: 02/20/2018 CL  
PRINTED: 02/20/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2018

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