



# BARGE "CBC 1013"

## INNAGE TRIM TABLE

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

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

LENGTH BETWEEN DRAFT MARKS: 166'-03"

August 13, 2020

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

<http://www.pmacorp.net>



# BARGE "CBC 1013"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	35	0	8,099	0	18,904	0	29,586	0	40,235	0	51,011	0	61,787	0	72,544	0	83,258	0	94,037
1/4	54	1/4	8,324	1/4	19,129	1/4	29,804	1/4	40,459	1/4	51,235	1/4	62,011	1/4	72,766	1/4	83,483	1/4	94,262
1/2	72	1/2	8,549	1/2	19,354	1/2	30,023	1/2	40,684	1/2	51,460	1/2	62,236	1/2	72,988	1/2	83,707	1/2	94,486
3/4	91	3/4	8,774	3/4	19,579	3/4	30,241	3/4	40,908	3/4	51,684	3/4	62,460	3/4	73,210	3/4	83,932	3/4	94,711
1	110	1	8,999	1	19,805	1	30,460	1	41,133	1	51,909	1	62,685	1	73,432	1	84,156	1	94,935
1/4	166	1/4	9,224	1/4	20,030	1/4	30,678	1/4	41,357	1/4	52,133	1/4	62,909	1/4	73,654	1/4	84,381	1/4	95,160
1/2	222	1/2	9,450	1/2	20,255	1/2	30,897	1/2	41,582	1/2	52,358	1/2	63,134	1/2	73,876	1/2	84,606	1/2	95,384
3/4	279	3/4	9,675	3/4	20,480	3/4	31,115	3/4	41,806	3/4	52,582	3/4	63,358	3/4	74,098	3/4	84,830	3/4	95,609
2	335	2	9,900	2	20,705	2	31,334	2	42,031	2	52,807	2	63,583	2	74,320	2	85,055	2	95,833
1/4	429	1/4	10,125	1/4	20,930	1/4	31,552	1/4	42,255	1/4	53,031	1/4	63,807	1/4	74,542	1/4	85,280	1/4	96,058
1/2	523	1/2	10,350	1/2	21,155	1/2	31,771	1/2	42,480	1/2	53,256	1/2	64,032	1/2	74,764	1/2	85,504	1/2	96,282
3/4	616	3/4	10,575	3/4	21,380	3/4	31,989	3/4	42,704	3/4	53,480	3/4	64,256	3/4	74,986	3/4	85,729	3/4	96,507
3	710	3	10,800	3	21,605	3	32,208	3	42,929	3	53,705	3	64,481	3	75,208	3	85,953	3	96,732
1/4	841	1/4	11,025	1/4	21,831	1/4	32,426	1/4	43,153	1/4	53,929	1/4	64,705	1/4	75,430	1/4	86,178	1/4	96,956
1/2	973	1/2	11,250	1/2	22,056	1/2	32,645	1/2	43,378	1/2	54,154	1/2	64,930	1/2	75,652	1/2	86,403	1/2	97,181
3/4	1,104	3/4	11,476	3/4	22,281	3/4	32,863	3/4	43,602	3/4	54,378	3/4	65,154	3/4	75,874	3/4	86,627	3/4	97,405
4	1,235	4	11,701	4	22,506	4	33,082	4	43,827	4	54,603	4	65,379	4	76,097	4	86,852	4	97,630
1/4	1,404	1/4	11,926	1/4	22,731	1/4	33,300	1/4	44,051	1/4	54,827	1/4	65,603	1/4	76,319	1/4	87,077	1/4	97,855
1/2	1,573	1/2	12,151	1/2	22,956	1/2	33,519	1/2	44,276	1/2	55,052	1/2	65,828	1/2	76,541	1/2	87,301	1/2	98,079
3/4	1,742	3/4	12,376	3/4	23,181	3/4	33,737	3/4	44,500	3/4	55,276	3/4	66,053	3/4	76,763	3/4	87,526	3/4	98,304
5	1,911	5	12,601	5	23,406	5	33,956	5	44,725	5	55,501	5	66,277	5	76,985	5	87,750	5	98,528
1/4	2,116	1/4	12,826	1/4	23,631	1/4	34,179	1/4	44,949	1/4	55,725	1/4	66,502	1/4	77,207	1/4	87,975	1/4	98,753
1/2	2,322	1/2	13,051	1/2	23,856	1/2	34,403	1/2	45,174	1/2	55,950	1/2	66,726	1/2	77,429	1/2	88,200	1/2	98,977
3/4	2,528	3/4	13,276	3/4	24,082	3/4	34,627	3/4	45,398	3/4	56,174	3/4	66,951	3/4	77,651	3/4	88,424	3/4	99,202
6	2,734	6	13,502	6	24,307	6	34,851	6	45,623	6	56,399	6	67,175	6	77,873	6	88,649	6	99,427
1/4	2,954	1/4	13,727	1/4	24,532	1/4	35,075	1/4	45,847	1/4	56,623	1/4	67,400	1/4	78,096	1/4	88,874	1/4	99,651
1/2	3,175	1/2	13,952	1/2	24,757	1/2	35,299	1/2	46,072	1/2	56,848	1/2	67,624	1/2	78,319	1/2	89,098	1/2	99,876
3/4	3,396	3/4	14,177	3/4	24,982	3/4	35,522	3/4	46,296	3/4	57,072	3/4	67,849	3/4	78,542	3/4	89,323	3/4	100,100
7	3,616	7	14,402	7	25,207	7	35,746	7	46,521	7	57,297	7	68,073	7	78,765	7	89,547	7	100,325
1/4	3,839	1/4	14,627	1/4	25,426	1/4	35,971	1/4	46,745	1/4	57,521	1/4	68,298	1/4	78,990	1/4	89,772	1/4	100,550
1/2	4,061	1/2	14,852	1/2	25,645	1/2	36,195	1/2	46,970	1/2	57,746	1/2	68,522	1/2	79,215	1/2	89,997	1/2	100,774
3/4	4,284	3/4	15,077	3/4	25,864	3/4	36,419	3/4	47,194	3/4	57,970	3/4	68,747	3/4	79,439	3/4	90,221	3/4	100,999
8	4,506	8	15,302	8	26,083	8	36,643	8	47,419	8	58,195	8	68,971	8	79,664	8	90,446	8	101,223
1/4	4,730	1/4	15,527	1/4	26,302	1/4	36,868	1/4	47,643	1/4	58,419	1/4	69,195	1/4	79,889	1/4	90,670	1/4	101,448
1/2	4,954	1/2	15,753	1/2	26,521	1/2	37,092	1/2	47,868	1/2	58,644	1/2	69,419	1/2	80,113	1/2	90,895	1/2	101,672
3/4	5,178	3/4	15,978	3/4	26,740	3/4	37,317	3/4	48,092	3/4	58,868	3/4	69,643	3/4	80,338	3/4	91,119	3/4	101,897
9	5,401	9	16,203	9	26,959	9	37,541	9	48,317	9	59,093	9	69,867	9	80,562	9	91,344	9	102,122
1/4	5,626	1/4	16,428	1/4	27,178	1/4	37,766	1/4	48,541	1/4	59,317	1/4	70,091	1/4	80,787	1/4	91,568	1/4	102,346
1/2	5,850	1/2	16,653	1/2	27,397	1/2	37,990	1/2	48,766	1/2	59,542	1/2	70,315	1/2	81,012	1/2	91,793	1/2	102,571
3/4	6,075	3/4	16,878	3/4	27,616	3/4	38,215	3/4	48,990	3/4	59,766	3/4	70,538	3/4	81,236	3/4	92,017	3/4	102,795
10	6,299	10	17,103	10	27,835	10	38,439	10	49,215	10	59,991	10	70,762	10	81,461	10	92,242	10	103,020
1/4	6,524	1/4	17,328	1/4	28,054	1/4	38,664	1/4	49,439	1/4	60,215	1/4	70,986	1/4	81,686	1/4	92,466	1/4	103,245
1/2	6,749	1/2	17,553	1/2	28,273	1/2	38,888	1/2	49,664	1/2	60,440	1/2	71,209	1/2	81,910	1/2	92,691	1/2	103,469
3/4	6,974	3/4	17,779	3/4	28,492	3/4	39,113	3/4	49,888	3/4	60,664	3/4	71,433	3/4	82,135	3/4	92,915	3/4	103,694
11	7,199	11	18,004	11	28,711	11	39,337	11	50,113	11	60,889	11	71,656	11	82,359	11	93,140	11	103,918
1/4	7,424	1/4	18,229	1/4	28,930	1/4	39,562	1/4	50,337	1/4	61,113	1/4	71,878	1/4	82,584	1/4	93,364	1/4	104,143
1/2	7,649	1/2	18,454	1/2	29,149	1/2	39,786	1/2	50,562	1/2	61,338	1/2	72,100	1/2	82,809	1/2	93,589	1/2	104,368
3/4	7,874	3/4	18,679	3/4	29,367	3/4	40,010	3/4	50,786	3/4	61,562	3/4	72,322	3/4	83,033	3/4	93,813	3/4	104,592

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'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
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# BARGE "CBC 1013"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	104,817	0	114,929	0	124,407	0	133,885	0	143,364	0		0		0		0		0	
1/4	105,041	1/4	115,127	1/4	124,605	1/4	134,083	1/4	143,561	1/4		1/4		1/4		1/4		1/4	
1/2	105,266	1/2	115,324	1/2	124,802	1/2	134,280	1/2	143,758	1/2		1/2		1/2		1/2		1/2	
3/4	105,490	3/4	115,522	3/4	125,000	3/4	134,478	3/4	143,956	3/4		3/4		3/4		3/4		3/4	
1	105,715	1	115,719	1	125,197	1	134,675	1	144,153	1		1		1		1		1	
1/4	105,940	1/4	115,917	1/4	125,395	1/4	134,873	1/4	144,351	1/4		1/4		1/4		1/4		1/4	
1/2	106,164	1/2	116,114	1/2	125,592	1/2	135,070	1/2	144,548	1/2		1/2		1/2		1/2		1/2	
3/4	106,389	3/4	116,312	3/4	125,790	3/4	135,268	3/4	144,746	3/4		3/4		3/4		3/4		3/4	
2	106,613	2	116,509	2	125,987	2	135,465	2	144,943	2		2		2		2		2	
1/4	106,838	1/4	116,707	1/4	126,185	1/4	135,663	1/4	145,122	1/4		1/4		1/4		1/4		1/4	
1/2	107,063	1/2	116,904	1/2	126,382	1/2	135,860	1/2	145,301	1/2		1/2		1/2		1/2		1/2	
3/4	107,287	3/4	117,101	3/4	126,579	3/4	136,058	3/4	145,479	3/4		3/4		3/4		3/4		3/4	
3	107,512	3	117,299	3	126,777	3	136,255	3	145,658	3		3		3		3		3	
1/4	107,736	1/4	117,496	1/4	126,974	1/4	136,452	1/4	145,827	1/4		1/4		1/4		1/4		1/4	
1/2	107,961	1/2	117,694	1/2	127,172	1/2	136,650	1/2	145,996	1/2		1/2		1/2		1/2		1/2	
3/4	108,185	3/4	117,891	3/4	127,369	3/4	136,847	3/4	146,165	3/4		3/4		3/4		3/4		3/4	
4	108,410	4	118,089	4	127,567	4	137,045	4	146,333	4		4		4		4		4	
1/4	108,634	1/4	118,286	1/4	127,764	1/4	137,242	1/4	146,465	1/4		1/4		1/4		1/4		1/4	
1/2	108,858	1/2	118,484	1/2	127,962	1/2	137,440	1/2	146,596	1/2		1/2		1/2		1/2		1/2	
3/4	109,082	3/4	118,681	3/4	128,159	3/4	137,637	3/4	146,727	3/4		3/4		3/4		3/4		3/4	
5	109,306	5	118,879	5	128,357	5	137,835	5	146,859	5		5		5		5		5	
1/4	109,530	1/4	119,076	1/4	128,554	1/4	138,032	1/4	146,952	1/4		1/4		1/4		1/4		1/4	
1/2	109,755	1/2	119,273	1/2	128,752	1/2	138,230	1/2	147,046	1/2		1/2		1/2		1/2		1/2	
3/4	109,979	3/4	119,471	3/4	128,949	3/4	138,427	3/4	147,140	3/4		3/4		3/4		3/4		3/4	
6	110,203	6	119,668	6	129,146	6	138,625	6	147,234	6		6		6		6		6	
1/4	110,400	1/4	119,866	1/4	129,344	1/4	138,822	1/4	147,290	1/4		1/4		1/4		1/4		1/4	
1/2	110,597	1/2	120,063	1/2	129,541	1/2	139,019	1/2	147,346	1/2		1/2		1/2		1/2		1/2	
3/4	110,793	3/4	120,261	3/4	129,739	3/4	139,217	3/4	147,403	3/4		3/4		3/4		3/4		3/4	
7	110,990	7	120,458	7	129,936	7	139,414	7	147,459	7		7		7		7		7	
1/4	111,187	1/4	120,656	1/4	130,134	1/4	139,612	1/4	147,478	1/4		1/4		1/4		1/4		1/4	
1/2	111,384	1/2	120,853	1/2	130,331	1/2	139,809	1/2	147,496	1/2		1/2		1/2		1/2		1/2	
3/4	111,581	3/4	121,051	3/4	130,529	3/4	140,007	3/4	147,515	3/4		3/4		3/4		3/4		3/4	
8	111,778	8	121,248	8	130,726	8	140,204	8	147,534	8		8		8		8		8	
1/4	111,975	1/4	121,446	1/4	130,924	1/4	140,402	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,172	1/2	121,643	1/2	131,121	1/2	140,599	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,369	3/4	121,840	3/4	131,319	3/4	140,797	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,566	9	122,038	9	131,516	9	140,994	9		9		9		9		9		9	
1/4	112,763	1/4	122,235	1/4	131,713	1/4	141,191	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,960	1/2	122,433	1/2	131,911	1/2	141,389	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,157	3/4	122,630	3/4	132,108	3/4	141,586	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,354	10	122,828	10	132,306	10	141,784	10		10		10		10		10		10	
1/4	113,551	1/4	123,025	1/4	132,503	1/4	141,981	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,748	1/2	123,223	1/2	132,701	1/2	142,179	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,945	3/4	123,420	3/4	132,898	3/4	142,376	3/4		3/4		3/4		3/4		3/4		3/4	
11	114,142	11	123,618	11	133,096	11	142,574	11		11		11		11		11		11	
1/4	114,339	1/4	123,815	1/4	133,293	1/4	142,771	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,535	1/2	124,013	1/2	133,491	1/2	142,969	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,732	3/4	124,210	3/4	133,688	3/4	143,166	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/13/2020 CL  
CALCULATED: 08/13/2020 CL  
PRINTED: 08/13/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020

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



# BARGE "CBC 1013"

## 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	35	0	9,073	0	21,182	0	33,144	0	45,104	0	57,213	0	69,323	0	81,432	0	93,542	0	105,651
1/4	56	1/4	9,325	1/4	21,434	1/4	33,389	1/4	45,356	1/4	57,466	1/4	69,575	1/4	81,685	1/4	93,794	1/4	105,904
1/2	77	1/2	9,577	1/2	21,686	1/2	33,634	1/2	45,608	1/2	57,718	1/2	69,827	1/2	81,937	1/2	94,047	1/2	106,156
3/4	98	3/4	9,829	3/4	21,939	3/4	33,879	3/4	45,861	3/4	57,970	3/4	70,080	3/4	82,189	3/4	94,299	3/4	106,408
1	119	1	10,082	1	22,191	1	34,123	1	46,113	1	58,223	1	70,332	1	82,442	1	94,551	1	106,661
1/4	182	1/4	10,334	1/4	22,443	1/4	34,368	1/4	46,365	1/4	58,475	1/4	70,584	1/4	82,694	1/4	94,803	1/4	106,913
1/2	245	1/2	10,586	1/2	22,695	1/2	34,613	1/2	46,618	1/2	58,727	1/2	70,837	1/2	82,946	1/2	95,056	1/2	107,165
3/4	308	3/4	10,839	3/4	22,948	3/4	34,858	3/4	46,870	3/4	58,979	3/4	71,089	3/4	83,198	3/4	95,308	3/4	107,417
2	371	2	11,091	2	23,200	2	35,103	2	47,122	2	59,232	2	71,341	2	83,451	2	95,560	2	107,670
1/4	476	1/4	11,343	1/4	23,452	1/4	35,347	1/4	47,374	1/4	59,484	1/4	71,593	1/4	83,703	1/4	95,812	1/4	107,922
1/2	582	1/2	11,595	1/2	23,704	1/2	35,592	1/2	47,627	1/2	59,736	1/2	71,846	1/2	83,955	1/2	96,065	1/2	108,174
3/4	687	3/4	11,848	3/4	23,957	3/4	35,837	3/4	47,879	3/4	59,989	3/4	72,098	3/4	84,208	3/4	96,317	3/4	108,427
3	792	3	12,100	3	24,209	3	36,082	3	48,131	3	60,241	3	72,350	3	84,460	3	96,569	3	108,679
1/4	939	1/4	12,352	1/4	24,461	1/4	36,327	1/4	48,384	1/4	60,493	1/4	72,603	1/4	84,712	1/4	96,822	1/4	108,931
1/2	1,086	1/2	12,604	1/2	24,713	1/2	36,571	1/2	48,636	1/2	60,745	1/2	72,855	1/2	84,964	1/2	97,074	1/2	109,183
3/4	1,233	3/4	12,857	3/4	24,966	3/4	36,816	3/4	48,888	3/4	60,998	3/4	73,107	3/4	85,217	3/4	97,326	3/4	109,436
4	1,380	4	13,109	4	25,218	4	37,061	4	49,140	4	61,250	4	73,359	4	85,469	4	97,578	4	109,688
1/4	1,570	1/4	13,361	1/4	25,470	1/4	37,306	1/4	49,393	1/4	61,502	1/4	73,612	1/4	85,721	1/4	97,831	1/4	109,940
1/2	1,759	1/2	13,614	1/2	25,723	1/2	37,550	1/2	49,645	1/2	61,754	1/2	73,864	1/2	85,974	1/2	98,083	1/2	110,193
3/4	1,948	3/4	13,866	3/4	25,975	3/4	37,795	3/4	49,897	3/4	62,007	3/4	74,116	3/4	86,226	3/4	98,335	3/4	110,445
5	2,137	5	14,118	5	26,227	5	38,040	5	50,150	5	62,259	5	74,369	5	86,478	5	98,588	5	110,697
1/4	2,368	1/4	14,370	1/4	26,479	1/4	38,292	1/4	50,402	1/4	62,511	1/4	74,621	1/4	86,730	1/4	98,840	1/4	110,949
1/2	2,598	1/2	14,623	1/2	26,732	1/2	38,545	1/2	50,654	1/2	62,764	1/2	74,873	1/2	86,983	1/2	99,092	1/2	111,202
3/4	2,829	3/4	14,875	3/4	26,984	3/4	38,797	3/4	50,906	3/4	63,016	3/4	75,125	3/4	87,235	3/4	99,344	3/4	111,454
6	3,059	6	15,127	6	27,236	6	39,049	6	51,159	6	63,268	6	75,378	6	87,487	6	99,597	6	111,706
1/4	3,307	1/4	15,379	1/4	27,488	1/4	39,301	1/4	51,411	1/4	63,520	1/4	75,630	1/4	87,739	1/4	99,849	1/4	111,958
1/2	3,554	1/2	15,632	1/2	27,741	1/2	39,554	1/2	51,663	1/2	63,773	1/2	75,882	1/2	87,992	1/2	100,101	1/2	112,211
3/4	3,801	3/4	15,884	3/4	27,993	3/4	39,806	3/4	51,916	3/4	64,025	3/4	76,135	3/4	88,244	3/4	100,354	3/4	112,463
7	4,048	7	16,136	7	28,245	7	40,058	7	52,168	7	64,277	7	76,387	7	88,496	7	100,606	7	112,715
1/4	4,298	1/4	16,389	1/4	28,497	1/4	40,311	1/4	52,420	1/4	64,530	1/4	76,639	1/4	88,749	1/4	100,858	1/4	112,968
1/2	4,547	1/2	16,641	1/2	28,736	1/2	40,563	1/2	52,672	1/2	64,782	1/2	76,891	1/2	89,001	1/2	101,110	1/2	113,220
3/4	4,797	3/4	16,893	3/4	28,981	3/4	40,815	3/4	52,925	3/4	65,034	3/4	77,144	3/4	89,253	3/4	101,363	3/4	113,472
8	5,046	8	17,145	8	29,226	8	41,067	8	53,177	8	65,286	8	77,396	8	89,505	8	101,615	8	113,724
1/4	5,297	1/4	17,398	1/4	29,471	1/4	41,320	1/4	53,429	1/4	65,539	1/4	77,648	1/4	89,758	1/4	101,867	1/4	113,977
1/2	5,548	1/2	17,650	1/2	29,716	1/2	41,572	1/2	53,681	1/2	65,791	1/2	77,900	1/2	90,010	1/2	102,120	1/2	114,229
3/4	5,798	3/4	17,902	3/4	29,962	3/4	41,824	3/4	53,934	3/4	66,043	3/4	78,153	3/4	90,262	3/4	102,372	3/4	114,481
9	6,049	9	18,154	9	30,207	9	42,077	9	54,186	9	66,296	9	78,405	9	90,515	9	102,624	9	114,734
1/4	6,301	1/4	18,407	1/4	30,452	1/4	42,329	1/4	54,438	1/4	66,548	1/4	78,657	1/4	90,767	1/4	102,876	1/4	114,986
1/2	6,552	1/2	18,659	1/2	30,696	1/2	42,581	1/2	54,691	1/2	66,800	1/2	78,910	1/2	91,019	1/2	103,129	1/2	115,238
3/4	6,804	3/4	18,911	3/4	30,941	3/4	42,833	3/4	54,943	3/4	67,052	3/4	79,162	3/4	91,271	3/4	103,381	3/4	115,490
10	7,055	10	19,164	10	31,186	10	43,086	10	55,195	10	67,305	10	79,414	10	91,524	10	103,633	10	115,743
1/4	7,307	1/4	19,416	1/4	31,431	1/4	43,338	1/4	55,447	1/4	67,557	1/4	79,666	1/4	91,776	1/4	103,885	1/4	115,995
1/2	7,560	1/2	19,668	1/2	31,676	1/2	43,590	1/2	55,700	1/2	67,809	1/2	79,919	1/2	92,028	1/2	104,138	1/2	116,247
3/4	7,812	3/4	19,920	3/4	31,920	3/4	43,843	3/4	55,952	3/4	68,062	3/4	80,171	3/4	92,281	3/4	104,390	3/4	116,500
11	8,064	11	20,173	11	32,165	11	44,095	11	56,204	11	68,314	11	80,423	11	92,533	11	104,642	11	116,752
1/4	8,316	1/4	20,425	1/4	32,410	1/4	44,347	1/4	56,457	1/4	68,566	1/4	80,676	1/4	92,785	1/4	104,895	1/4	117,004
1/2	8,568	1/2	20,677	1/2	32,655	1/2	44,599	1/2	56,709	1/2	68,818	1/2	80,928	1/2	93,037	1/2	105,147	1/2	117,256
3/4	8,820	3/4	20,929	3/4	32,900	3/4	44,852	3/4	56,961	3/4	69,071	3/4	81,180	3/4	93,290	3/4	105,399	3/4	117,509

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'-06" FORWARD OF AFT BULKHEAD

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



# BARGE "CBC 1013"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0								
1/4	118,013	1/4	130,123	1/4	142,232	1/4	154,342	1/4	166,451	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	118,266	1/2	130,375	1/2	142,485	1/2	154,594	1/2	166,704	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	118,518	3/4	130,627	3/4	142,737	3/4	154,846	3/4	166,956	3/4		3/4		3/4		3/4		3/4		3/4	
<b>1</b>	<b>118,770</b>	<b>1</b>	<b>130,880</b>	<b>1</b>	<b>142,989</b>	<b>1</b>	<b>155,099</b>	<b>1</b>	<b>167,208</b>	<b>1</b>											
1/4	119,022	1/4	131,132	1/4	143,241	1/4	155,351	1/4	167,460	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	119,275	1/2	131,384	1/2	143,494	1/2	155,603	1/2	167,713	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	119,527	3/4	131,636	3/4	143,746	3/4	155,855	3/4	167,965	3/4		3/4		3/4		3/4		3/4		3/4	
<b>2</b>	<b>119,779</b>	<b>2</b>	<b>131,889</b>	<b>2</b>	<b>143,998</b>	<b>2</b>	<b>156,108</b>	<b>2</b>	<b>168,217</b>	<b>2</b>											
1/4	120,031	1/4	132,141	1/4	144,251	1/4	156,360	1/4	168,448	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120,284	1/2	132,393	1/2	144,503	1/2	156,612	1/2	168,680	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,536	3/4	132,646	3/4	144,755	3/4	156,865	3/4	168,911	3/4		3/4		3/4		3/4		3/4		3/4	
<b>3</b>	<b>120,788</b>	<b>3</b>	<b>132,898</b>	<b>3</b>	<b>145,007</b>	<b>3</b>	<b>157,117</b>	<b>3</b>	<b>169,142</b>	<b>3</b>											
1/4	121,041	1/4	133,150	1/4	145,260	1/4	157,369	1/4	169,331	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,293	1/2	133,402	1/2	145,512	1/2	157,621	1/2	169,521	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	121,545	3/4	133,655	3/4	145,764	3/4	157,874	3/4	169,710	3/4		3/4		3/4		3/4		3/4		3/4	
<b>4</b>	<b>121,797</b>	<b>4</b>	<b>133,907</b>	<b>4</b>	<b>146,016</b>	<b>4</b>	<b>158,126</b>	<b>4</b>	<b>169,899</b>	<b>4</b>											
1/4	122,050	1/4	134,159	1/4	146,269	1/4	158,378	1/4	170,046	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	122,302	1/2	134,412	1/2	146,521	1/2	158,631	1/2	170,193	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	122,554	3/4	134,664	3/4	146,773	3/4	158,883	3/4	170,341	3/4		3/4		3/4		3/4		3/4		3/4	
<b>5</b>	<b>122,807</b>	<b>5</b>	<b>134,916</b>	<b>5</b>	<b>147,026</b>	<b>5</b>	<b>159,135</b>	<b>5</b>	<b>170,488</b>	<b>5</b>											
1/4	123,059	1/4	135,168	1/4	147,278	1/4	159,387	1/4	170,593	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	123,311	1/2	135,421	1/2	147,530	1/2	159,640	1/2	170,698	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	123,563	3/4	135,673	3/4	147,782	3/4	159,892	3/4	170,803	3/4		3/4		3/4		3/4		3/4		3/4	
<b>6</b>	<b>123,816</b>	<b>6</b>	<b>135,925</b>	<b>6</b>	<b>148,035</b>	<b>6</b>	<b>160,144</b>	<b>6</b>	<b>170,908</b>	<b>6</b>											
1/4	124,068	1/4	136,177	1/4	148,287	1/4	160,397	1/4	170,971	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	124,320	1/2	136,430	1/2	148,539	1/2	160,649	1/2	171,034	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	124,573	3/4	136,682	3/4	148,792	3/4	160,901	3/4	171,097	3/4		3/4		3/4		3/4		3/4		3/4	
<b>7</b>	<b>124,825</b>	<b>7</b>	<b>136,934</b>	<b>7</b>	<b>149,044</b>	<b>7</b>	<b>161,153</b>	<b>7</b>	<b>171,161</b>	<b>7</b>											
1/4	125,077	1/4	137,187	1/4	149,296	1/4	161,406	1/4	171,182	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	125,329	1/2	137,439	1/2	149,548	1/2	161,658	1/2	171,203	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	125,582	3/4	137,691	3/4	149,801	3/4	161,910	3/4	171,224	3/4		3/4		3/4		3/4		3/4		3/4	
<b>8</b>	<b>125,834</b>	<b>8</b>	<b>137,943</b>	<b>8</b>	<b>150,053</b>	<b>8</b>	<b>162,162</b>	<b>8</b>	<b>171,245</b>	<b>8</b>											
1/4	126,086	1/4	138,196	1/4	150,305	1/4	162,415	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,339	1/2	138,448	1/2	150,558	1/2	162,667	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,591	3/4	138,700	3/4	150,810	3/4	162,919	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>9</b>	<b>126,843</b>	<b>9</b>	<b>138,953</b>	<b>9</b>	<b>151,062</b>	<b>9</b>	<b>163,172</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>
1/4	127,095	1/4	139,205	1/4	151,314	1/4	163,424	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,348	1/2	139,457	1/2	151,567	1/2	163,676	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,600	3/4	139,709	3/4	151,819	3/4	163,928	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>10</b>	<b>127,852</b>	<b>10</b>	<b>139,962</b>	<b>10</b>	<b>152,071</b>	<b>10</b>	<b>164,181</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
1/4	128,104	1/4	140,214	1/4	152,324	1/4	164,433	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,357	1/2	140,466	1/2	152,576	1/2	164,685	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,609	3/4	140,719	3/4	152,828	3/4	164,938	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>11</b>	<b>128,861</b>	<b>11</b>	<b>140,971</b>	<b>11</b>	<b>153,080</b>	<b>11</b>	<b>165,190</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
1/4	129,114	1/4	141,223	1/4	153,333	1/4	165,442	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	129,366	1/2	141,475	1/2	153,585	1/2	165,694	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	129,618	3/4	141,728	3/4	153,837	3/4	165,947	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/13/2020 CL  
CALCULATED: 08/13/2020 CL  
PRINTED: 08/13/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "CBC 1013"

## 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	35	0	8,046	0	18,780	0	29,499	0	40,215	0	50,949	0	61,683	0	72,417	0	83,151	0	93,886
1/4	54	1/4	8,270	1/4	19,003	1/4	29,721	1/4	40,438	1/4	51,172	1/4	61,907	1/4	72,641	1/4	83,375	1/4	94,109
1/2	72	1/2	8,493	1/2	19,227	1/2	29,944	1/2	40,662	1/2	51,396	1/2	62,130	1/2	72,864	1/2	83,599	1/2	94,333
3/4	91	3/4	8,717	3/4	19,451	3/4	30,167	3/4	40,885	3/4	51,620	3/4	62,354	3/4	73,088	3/4	83,822	3/4	94,557
1	109	1	8,941	1	19,674	1	30,390	1	41,109	1	51,843	1	62,578	1	73,312	1	84,046	1	94,780
1/4	165	1/4	9,164	1/4	19,898	1/4	30,612	1/4	41,333	1/4	52,067	1/4	62,801	1/4	73,535	1/4	84,270	1/4	95,004
1/2	221	1/2	9,388	1/2	20,122	1/2	30,835	1/2	41,556	1/2	52,291	1/2	63,025	1/2	73,759	1/2	84,493	1/2	95,227
3/4	277	3/4	9,611	3/4	20,345	3/4	31,058	3/4	41,780	3/4	52,514	3/4	63,248	3/4	73,983	3/4	84,717	3/4	95,451
2	333	2	9,835	2	20,569	2	31,280	2	42,004	2	52,738	2	63,472	2	74,206	2	84,940	2	95,675
1/4	426	1/4	10,059	1/4	20,792	1/4	31,503	1/4	42,227	1/4	52,961	1/4	63,696	1/4	74,430	1/4	85,164	1/4	95,898
1/2	519	1/2	10,282	1/2	21,016	1/2	31,726	1/2	42,451	1/2	53,185	1/2	63,919	1/2	74,653	1/2	85,388	1/2	96,122
3/4	613	3/4	10,506	3/4	21,240	3/4	31,949	3/4	42,674	3/4	53,409	3/4	64,143	3/4	74,877	3/4	85,611	3/4	96,346
3	706	3	10,730	3	21,463	3	32,171	3	42,898	3	53,632	3	64,367	3	75,101	3	85,835	3	96,569
1/4	836	1/4	10,953	1/4	21,687	1/4	32,394	1/4	43,122	1/4	53,856	1/4	64,590	1/4	75,324	1/4	86,059	1/4	96,793
1/2	967	1/2	11,177	1/2	21,911	1/2	32,617	1/2	43,345	1/2	54,080	1/2	64,814	1/2	75,548	1/2	86,282	1/2	97,016
3/4	1,097	3/4	11,400	3/4	22,134	3/4	32,839	3/4	43,569	3/4	54,303	3/4	65,037	3/4	75,772	3/4	86,506	3/4	97,240
4	1,227	4	11,624	4	22,358	4	33,062	4	43,793	4	54,527	4	65,261	4	75,995	4	86,729	4	97,464
1/4	1,395	1/4	11,848	1/4	22,581	1/4	33,285	1/4	44,016	1/4	54,750	1/4	65,485	1/4	76,219	1/4	86,953	1/4	97,687
1/2	1,563	1/2	12,071	1/2	22,805	1/2	33,508	1/2	44,240	1/2	54,974	1/2	65,708	1/2	76,443	1/2	87,177	1/2	97,911
3/4	1,731	3/4	12,295	3/4	23,029	3/4	33,730	3/4	44,464	3/4	55,198	3/4	65,932	3/4	76,666	3/4	87,400	3/4	98,135
5	1,898	5	12,518	5	23,252	5	33,953	5	44,687	5	55,421	5	66,156	5	76,890	5	87,624	5	98,358
1/4	2,103	1/4	12,742	1/4	23,476	1/4	34,177	1/4	44,911	1/4	55,645	1/4	66,379	1/4	77,113	1/4	87,848	1/4	98,582
1/2	2,307	1/2	12,966	1/2	23,700	1/2	34,400	1/2	45,134	1/2	55,869	1/2	66,603	1/2	77,337	1/2	88,071	1/2	98,805
3/4	2,512	3/4	13,189	3/4	23,923	3/4	34,624	3/4	45,358	3/4	56,092	3/4	66,826	3/4	77,561	3/4	88,295	3/4	99,029
6	2,716	6	13,413	6	24,147	6	34,847	6	45,582	6	56,316	6	67,050	6	77,784	6	88,519	6	99,253
1/4	2,935	1/4	13,637	1/4	24,370	1/4	35,071	1/4	45,805	1/4	56,540	1/4	67,274	1/4	78,008	1/4	88,742	1/4	99,476
1/2	3,154	1/2	13,860	1/2	24,594	1/2	35,295	1/2	46,029	1/2	56,763	1/2	67,497	1/2	78,232	1/2	88,966	1/2	99,700
3/4	3,373	3/4	14,084	3/4	24,818	3/4	35,518	3/4	46,253	3/4	56,987	3/4	67,721	3/4	78,455	3/4	89,189	3/4	99,924
7	3,593	7	14,307	7	25,041	7	35,742	7	46,476	7	57,210	7	67,945	7	78,679	7	89,413	7	100,147
1/4	3,814	1/4	14,531	1/4	25,264	1/4	35,966	1/4	46,700	1/4	57,434	1/4	68,168	1/4	78,902	1/4	89,637	1/4	100,371
1/2	4,035	1/2	14,755	1/2	25,487	1/2	36,189	1/2	46,923	1/2	57,658	1/2	68,392	1/2	79,126	1/2	89,860	1/2	100,595
3/4	4,256	3/4	14,978	3/4	25,711	3/4	36,413	3/4	47,147	3/4	57,881	3/4	68,616	3/4	79,350	3/4	90,084	3/4	100,818
8	4,477	8	15,202	8	25,934	8	36,636	8	47,371	8	58,105	8	68,839	8	79,573	8	90,308	8	101,042
1/4	4,699	1/4	15,426	1/4	26,157	1/4	36,860	1/4	47,594	1/4	58,329	1/4	69,063	1/4	79,797	1/4	90,531	1/4	101,265
1/2	4,922	1/2	15,649	1/2	26,380	1/2	37,084	1/2	47,818	1/2	58,552	1/2	69,286	1/2	80,021	1/2	90,755	1/2	101,489
3/4	5,144	3/4	15,873	3/4	26,603	3/4	37,307	3/4	48,042	3/4	58,776	3/4	69,510	3/4	80,244	3/4	90,978	3/4	101,713
9	5,366	9	16,096	9	26,826	9	37,531	9	48,265	9	58,999	9	69,734	9	80,468	9	91,202	9	101,936
1/4	5,589	1/4	16,320	1/4	27,049	1/4	37,755	1/4	48,489	1/4	59,223	1/4	69,957	1/4	80,691	1/4	91,426	1/4	102,160
1/2	5,812	1/2	16,544	1/2	27,272	1/2	37,978	1/2	48,712	1/2	59,447	1/2	70,181	1/2	80,915	1/2	91,649	1/2	102,384
3/4	6,035	3/4	16,767	3/4	27,494	3/4	38,202	3/4	48,936	3/4	59,670	3/4	70,405	3/4	81,139	3/4	91,873	3/4	102,607
10	6,258	10	16,991	10	27,717	10	38,426	10	49,160	10	59,894	10	70,628	10	81,362	10	92,097	10	102,831
1/4	6,481	1/4	17,215	1/4	27,940	1/4	38,649	1/4	49,383	1/4	60,118	1/4	70,852	1/4	81,586	1/4	92,320	1/4	103,054
1/2	6,705	1/2	17,438	1/2	28,162	1/2	38,873	1/2	49,607	1/2	60,341	1/2	71,075	1/2	81,810	1/2	92,544	1/2	103,278
3/4	6,928	3/4	17,662	3/4	28,385	3/4	39,096	3/4	49,831	3/4	60,565	3/4	71,299	3/4	82,033	3/4	92,767	3/4	103,502
11	7,152	11	17,885	11	28,608	11	39,320	11	50,054	11	60,788	11	71,523	11	82,257	11	92,991	11	103,725
1/4	7,375	1/4	18,109	1/4	28,831	1/4	39,544	1/4	50,278	1/4	61,012	1/4	71,746	1/4	82,481	1/4	93,215	1/4	103,949
1/2	7,599	1/2	18,333	1/2	29,053	1/2	39,767	1/2	50,502	1/2	61,236	1/2	71,970	1/2	82,704	1/2	93,438	1/2	104,173
3/4	7,822	3/4	18,556	3/4	29,276	3/4	39,991	3/4	50,725	3/4	61,459	3/4	72,194	3/4	82,928	3/4	93,662	3/4	104,396

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 22'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "CBC 1013"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT								
0	104,620	0	115,354	0	126,088	0	136,822	0	147,557	0		0		0		0		0	
1/4	104,843	1/4	115,578	1/4	126,312	1/4	137,046	1/4	147,780	1/4		1/4		1/4		1/4		1/4	
1/2	105,067	1/2	115,801	1/2	126,536	1/2	137,270	1/2	148,004	1/2		1/2		1/2		1/2		1/2	
3/4	105,291	3/4	116,025	3/4	126,759	3/4	137,493	3/4	148,228	3/4		3/4		3/4		3/4		3/4	
1	105,514	1	116,249	1	126,983	1	137,717	1	148,451	1		1		1		1		1	
1/4	105,738	1/4	116,472	1/4	127,206	1/4	137,941	1/4	148,675	1/4		1/4		1/4		1/4		1/4	
1/2	105,962	1/2	116,696	1/2	127,430	1/2	138,164	1/2	148,898	1/2		1/2		1/2		1/2		1/2	
3/4	106,185	3/4	116,919	3/4	127,654	3/4	138,388	3/4	149,122	3/4		3/4		3/4		3/4		3/4	
2	106,409	2	117,143	2	127,877	2	138,612	2	149,346	2		2		2		2		2	
1/4	106,633	1/4	117,367	1/4	128,101	1/4	138,835	1/4	149,551	1/4		1/4		1/4		1/4		1/4	
1/2	106,856	1/2	117,590	1/2	128,325	1/2	139,059	1/2	149,756	1/2		1/2		1/2		1/2		1/2	
3/4	107,080	3/4	117,814	3/4	128,548	3/4	139,282	3/4	149,961	3/4		3/4		3/4		3/4		3/4	
3	107,303	3	118,038	3	128,772	3	139,506	3	150,166	3		3		3		3		3	
1/4	107,527	1/4	118,261	1/4	128,995	1/4	139,730	1/4	150,333	1/4		1/4		1/4		1/4		1/4	
1/2	107,751	1/2	118,485	1/2	129,219	1/2	139,953	1/2	150,501	1/2		1/2		1/2		1/2		1/2	
3/4	107,974	3/4	118,708	3/4	129,443	3/4	140,177	3/4	150,669	3/4		3/4		3/4		3/4		3/4	
4	108,198	4	118,932	4	129,666	4	140,401	4	150,837	4		4		4		4		4	
1/4	108,422	1/4	119,156	1/4	129,890	1/4	140,624	1/4	150,967	1/4		1/4		1/4		1/4		1/4	
1/2	108,645	1/2	119,379	1/2	130,114	1/2	140,848	1/2	151,097	1/2		1/2		1/2		1/2		1/2	
3/4	108,869	3/4	119,603	3/4	130,337	3/4	141,071	3/4	151,228	3/4		3/4		3/4		3/4		3/4	
5	109,092	5	119,827	5	130,561	5	141,295	5	151,358	5		5		5		5		5	
1/4	109,316	1/4	120,050	1/4	130,784	1/4	141,519	1/4	151,452	1/4		1/4		1/4		1/4		1/4	
1/2	109,540	1/2	120,274	1/2	131,008	1/2	141,742	1/2	151,545	1/2		1/2		1/2		1/2		1/2	
3/4	109,763	3/4	120,498	3/4	131,232	3/4	141,966	3/4	151,638	3/4		3/4		3/4		3/4		3/4	
6	109,987	6	120,721	6	131,455	6	142,190	6	151,731	6		6		6		6		6	
1/4	110,211	1/4	120,945	1/4	131,679	1/4	142,413	1/4	151,787	1/4		1/4		1/4		1/4		1/4	
1/2	110,434	1/2	121,168	1/2	131,903	1/2	142,637	1/2	151,843	1/2		1/2		1/2		1/2		1/2	
3/4	110,658	3/4	121,392	3/4	132,126	3/4	142,860	3/4	151,899	3/4		3/4		3/4		3/4		3/4	
7	110,881	7	121,616	7	132,350	7	143,084	7	151,955	7		7		7		7		7	
1/4	111,105	1/4	121,839	1/4	132,574	1/4	143,308	1/4	151,973	1/4		1/4		1/4		1/4		1/4	
1/2	111,329	1/2	122,063	1/2	132,797	1/2	143,531	1/2	151,992	1/2		1/2		1/2		1/2		1/2	
3/4	111,552	3/4	122,287	3/4	133,021	3/4	143,755	3/4	152,011	3/4		3/4		3/4		3/4		3/4	
8	111,776	8	122,510	8	133,244	8	143,979	8	152,029	8		8		8		8		8	
1/4	112,000	1/4	122,734	1/4	133,468	1/4	144,202	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,223	1/2	122,957	1/2	133,692	1/2	144,426	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,447	3/4	123,181	3/4	133,915	3/4	144,649	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,670	9	123,405	9	134,139	9	144,873	9		9		9		9		9		9	
1/4	112,894	1/4	123,628	1/4	134,363	1/4	145,097	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,118	1/2	123,852	1/2	134,586	1/2	145,320	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,341	3/4	124,076	3/4	134,810	3/4	145,544	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,565	10	124,299	10	135,033	10	145,768	10		10		10		10		10		10	
1/4	113,789	1/4	124,523	1/4	135,257	1/4	145,991	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,012	1/2	124,746	1/2	135,481	1/2	146,215	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,236	3/4	124,970	3/4	135,704	3/4	146,439	3/4		3/4		3/4		3/4		3/4		3/4	
11	114,460	11	125,194	11	135,928	11	146,662	11		11		11		11		11		11	
1/4	114,683	1/4	125,417	1/4	136,152	1/4	146,886	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,907	1/2	125,641	1/2	136,375	1/2	147,109	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,130	3/4	125,865	3/4	136,599	3/4	147,333	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/13/2020 CL  
CALCULATED: 08/13/2020 CL  
PRINTED: 08/13/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "CBC 1013"

## ULLAGE TRIM TABLE

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

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

LENGTH BETWEEN DRAFT MARKS: 166'-03"

August 13, 2020

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

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# BARGE "CBC 1013"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4		1/4		1/4	147,534	1/4	140,204	1/4	130,924	1/4	121,446	1/4	111,975	1/4	101,448	1/4	90,670	1/4	79,889
1/2		1/2		1/2	147,515	1/2	140,007	1/2	130,529	1/2	121,051	1/2	111,581	1/2	100,999	1/2	90,221	1/2	79,439
3/4		3/4		3/4	147,496	3/4	139,809	3/4	130,331	3/4	120,853	3/4	111,384	3/4	100,774	3/4	89,997	3/4	79,215
1	1	1	1	1	147,478	1	139,612	1	130,134	1	120,656	1	111,187	1	100,550	1	89,772	1	78,990
1/4		1/4		1/4	147,459	1/4	139,414	1/4	129,936	1/4	120,458	1/4	110,990	1/4	100,325	1/4	89,547	1/4	78,765
1/2		1/2		1/2	147,403	1/2	139,217	1/2	129,739	1/2	120,261	1/2	110,793	1/2	100,100	1/2	89,323	1/2	78,542
3/4		3/4		3/4	147,346	3/4	139,019	3/4	129,541	3/4	120,063	3/4	110,597	3/4	99,876	3/4	89,098	3/4	78,319
2	2	2	2	2	147,290	2	138,822	2	129,344	2	119,866	2	110,400	2	99,651	2	88,874	2	78,096
1/4		1/4		1/4	147,234	1/4	138,625	1/4	129,146	1/4	119,668	1/4	110,203	1/4	99,427	1/4	88,649	1/4	77,873
1/2		1/2		1/2	147,140	1/2	138,427	1/2	128,949	1/2	119,471	1/2	109,979	1/2	99,202	1/2	88,424	1/2	77,651
3/4		3/4		3/4	147,046	3/4	138,230	3/4	128,752	3/4	119,273	3/4	109,755	3/4	98,977	3/4	88,200	3/4	77,429
3	3	3	3	3	146,952	3	138,032	3	128,554	3	119,076	3	109,530	3	98,753	3	87,975	3	77,207
1/4		1/4		1/4	146,859	1/4	137,835	1/4	128,357	1/4	118,879	1/4	109,306	1/4	98,528	1/4	87,750	1/4	76,985
1/2		1/2		1/2	146,727	1/2	137,637	1/2	128,159	1/2	118,681	1/2	109,082	1/2	98,304	1/2	87,526	1/2	76,763
3/4		3/4		3/4	146,596	3/4	137,440	3/4	127,962	3/4	118,484	3/4	108,858	3/4	98,079	3/4	87,301	3/4	76,541
4	4	4	4	4	146,465	4	137,242	4	127,764	4	118,286	4	108,634	4	97,855	4	87,077	4	76,319
1/4		1/4		1/4	146,333	1/4	137,045	1/4	127,567	1/4	118,089	1/4	108,410	1/4	97,630	1/4	86,852	1/4	76,097
1/2		1/2		1/2	146,165	1/2	136,847	1/2	127,369	1/2	117,891	1/2	108,185	1/2	97,405	1/2	86,627	1/2	75,874
3/4		3/4		3/4	145,996	3/4	136,650	3/4	127,172	3/4	117,694	3/4	107,961	3/4	97,181	3/4	86,403	3/4	75,652
5	5	5	5	5	145,827	5	136,452	5	126,974	5	117,496	5	107,736	5	96,956	5	86,178	5	75,430
1/4		1/4		1/4	145,658	1/4	136,255	1/4	126,777	1/4	117,299	1/4	107,512	1/4	96,732	1/4	85,953	1/4	75,208
1/2		1/2		1/2	145,479	1/2	136,058	1/2	126,579	1/2	117,101	1/2	107,287	1/2	96,507	1/2	85,729	1/2	74,986
3/4		3/4		3/4	145,301	3/4	135,860	3/4	126,382	3/4	116,904	3/4	107,063	3/4	96,282	3/4	85,504	3/4	74,764
6	6	6	6	6	145,122	6	135,663	6	126,185	6	116,707	6	106,838	6	96,058	6	85,280	6	74,542
1/4		1/4		1/4	144,943	1/4	135,465	1/4	125,987	1/4	116,509	1/4	106,613	1/4	95,833	1/4	85,055	1/4	74,320
1/2		1/2		1/2	144,746	1/2	135,268	1/2	125,790	1/2	116,312	1/2	106,389	1/2	95,609	1/2	84,830	1/2	74,098
3/4		3/4		3/4	144,548	3/4	135,070	3/4	125,592	3/4	116,114	3/4	106,164	3/4	95,384	3/4	84,606	3/4	73,876
7	7	7	7	7	144,351	7	134,873	7	125,395	7	115,917	7	105,940	7	95,160	7	84,381	7	73,654
1/4		1/4		1/4	144,153	1/4	134,675	1/4	125,197	1/4	115,719	1/4	105,715	1/4	94,935	1/4	84,156	1/4	73,432
1/2		1/2		1/2	143,956	1/2	134,478	1/2	125,000	1/2	115,522	1/2	105,490	1/2	94,711	1/2	83,932	1/2	73,210
3/4		3/4		3/4	143,758	3/4	134,280	3/4	124,802	3/4	115,324	3/4	105,266	3/4	94,486	3/4	83,707	3/4	72,988
8	8	8	8	8	143,561	8	134,083	8	124,605	8	115,127	8	105,041	8	94,262	8	83,483	8	72,766
1/4		1/4		1/4	143,364	1/4	133,885	1/4	124,407	1/4	114,929	1/4	104,817	1/4	94,037	1/4	83,258	1/4	72,544
1/2		1/2		1/2	143,166	1/2	133,688	1/2	124,210	1/2	114,732	1/2	104,592	1/2	93,813	1/2	83,033	1/2	72,322
3/4		3/4		3/4	142,969	3/4	133,491	3/4	124,013	3/4	114,535	3/4	104,368	3/4	93,589	3/4	82,809	3/4	72,100
9	9	9	9	9	142,771	9	133,293	9	123,815	9	114,339	9	104,143	9	93,364	9	82,584	9	71,878
1/4		1/4		1/4	142,574	1/4	133,096	1/4	123,618	1/4	114,142	1/4	103,918	1/4	93,140	1/4	82,359	1/4	71,656
1/2		1/2		1/2	142,376	1/2	132,898	1/2	123,420	1/2	113,945	1/2	103,694	1/2	92,915	1/2	82,135	1/2	71,433
3/4		3/4		3/4	142,179	3/4	132,701	3/4	123,223	3/4	113,748	3/4	103,469	3/4	92,691	3/4	81,910	3/4	71,209
10	10	10	10	10	141,981	10	132,503	10	123,025	10	113,551	10	103,245	10	92,466	10	81,686	10	70,986
1/4		1/4		1/4	141,784	1/4	132,306	1/4	122,828	1/4	113,354	1/4	103,020	1/4	92,242	1/4	81,461	1/4	70,762
1/2		1/2		1/2	141,586	1/2	132,108	1/2	122,630	1/2	113,157	1/2	102,795	1/2	92,017	1/2	81,236	1/2	70,538
3/4		3/4		3/4	141,389	3/4	131,911	3/4	122,433	3/4	112,960	3/4	102,571	3/4	91,793	3/4	81,012	3/4	70,315
11	11	11	11	11	141,191	11	131,713	11	122,235	11	112,763	11	102,346	11	91,568	11	80,787	11	70,091
1/4		1/4		1/4	140,994	1/4	131,516	1/4	122,038	1/4	112,566	1/4	102,122	1/4	91,344	1/4	80,562	1/4	69,867
1/2		1/2		1/2	140,797	1/2	131,319	1/2	121,840	1/2	112,369	1/2	101,897	1/2	91,119	1/2	80,338	1/2	69,643
3/4		3/4		3/4	140,599	3/4	131,121	3/4	121,643	3/4	112,172	3/4	101,672	3/4	90,895	3/4	80,113	3/4	69,419

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'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "CBC 1013"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	69,195	0	58,419	0	47,643	0	36,868	0	26,302	0	15,527	0	4,730	0		0		0	
1/4	68,971	1/4	58,195	1/4	47,419	1/4	36,643	1/4	26,083	1/4	15,302	1/4	4,506	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,747	1/2	57,970	1/2	47,194	1/2	36,419	1/2	25,864	1/2	15,077	1/2	4,284	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,522	3/4	57,746	3/4	46,970	3/4	36,195	3/4	25,645	3/4	14,852	3/4	4,061	3/4	3/4	3/4	3/4	3/4	3/4
1	68,298	1	57,521	1	46,745	1	35,971	1	25,426	1	14,627	1	3,839	1	1	1	1	1	1
1/4	68,073	1/4	57,297	1/4	46,521	1/4	35,746	1/4	25,207	1/4	14,402	1/4	3,616	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,849	1/2	57,072	1/2	46,296	1/2	35,522	1/2	24,982	1/2	14,177	1/2	3,396	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,624	3/4	56,848	3/4	46,072	3/4	35,299	3/4	24,757	3/4	13,952	3/4	3,175	3/4	3/4	3/4	3/4	3/4	3/4
2	67,400	2	56,623	2	45,847	2	35,075	2	24,532	2	13,727	2	2,954	2	2	2	2	2	2
1/4	67,175	1/4	56,399	1/4	45,623	1/4	34,851	1/4	24,307	1/4	13,502	1/4	2,734	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,951	1/2	56,174	1/2	45,398	1/2	34,627	1/2	24,082	1/2	13,276	1/2	2,528	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,726	3/4	55,950	3/4	45,174	3/4	34,403	3/4	23,856	3/4	13,051	3/4	2,322	3/4	3/4	3/4	3/4	3/4	3/4
3	66,502	3	55,725	3	44,949	3	34,179	3	23,631	3	12,826	3	2,116	3	3	3	3	3	3
1/4	66,277	1/4	55,501	1/4	44,725	1/4	33,956	1/4	23,406	1/4	12,601	1/4	1,911	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,053	1/2	55,276	1/2	44,500	1/2	33,737	1/2	23,181	1/2	12,376	1/2	1,742	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,828	3/4	55,052	3/4	44,276	3/4	33,519	3/4	22,956	3/4	12,151	3/4	1,573	3/4	3/4	3/4	3/4	3/4	3/4
4	65,603	4	54,827	4	44,051	4	33,300	4	22,731	4	11,926	4	1,404	4	4	4	4	4	4
1/4	65,379	1/4	54,603	1/4	43,827	1/4	33,082	1/4	22,506	1/4	11,701	1/4	1,235	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,154	1/2	54,378	1/2	43,602	1/2	32,863	1/2	22,281	1/2	11,476	1/2	1,104	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,930	3/4	54,154	3/4	43,378	3/4	32,645	3/4	22,056	3/4	11,250	3/4	973	3/4	3/4	3/4	3/4	3/4	3/4
5	64,705	5	53,929	5	43,153	5	32,426	5	21,831	5	11,025	5	841	5	5	5	5	5	5
1/4	64,481	1/4	53,705	1/4	42,929	1/4	32,208	1/4	21,605	1/4	10,800	1/4	710	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,256	1/2	53,480	1/2	42,704	1/2	31,989	1/2	21,380	1/2	10,575	1/2	616	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,032	3/4	53,256	3/4	42,480	3/4	31,771	3/4	21,155	3/4	10,350	3/4	523	3/4	3/4	3/4	3/4	3/4	3/4
6	63,807	6	53,031	6	42,255	6	31,552	6	20,930	6	10,125	6	429	6	6	6	6	6	6
1/4	63,583	1/4	52,807	1/4	42,031	1/4	31,334	1/4	20,705	1/4	9,900	1/4	335	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,358	1/2	52,582	1/2	41,806	1/2	31,115	1/2	20,480	1/2	9,675	1/2	279	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,134	3/4	52,358	3/4	41,582	3/4	30,897	3/4	20,255	3/4	9,450	3/4	222	3/4	3/4	3/4	3/4	3/4	3/4
7	62,909	7	52,133	7	41,357	7	30,678	7	20,030	7	9,224	7	166	7	7	7	7	7	7
1/4	62,685	1/4	51,909	1/4	41,133	1/4	30,460	1/4	19,805	1/4	8,999	1/4	110	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,460	1/2	51,684	1/2	40,908	1/2	30,241	1/2	19,579	1/2	8,774	1/2	91	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,236	3/4	51,460	3/4	40,684	3/4	30,023	3/4	19,354	3/4	8,549	3/4	72	3/4	3/4	3/4	3/4	3/4	3/4
8	62,011	8	51,235	8	40,459	8	29,804	8	19,129	8	8,324	8	54	8	8	8	8	8	8
1/4	61,787	1/4	51,011	1/4	40,235	1/4	29,586	1/4	18,904	1/4	8,099	1/4	35	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,562	1/2	50,786	1/2	40,010	1/2	29,367	1/2	18,679	1/2	7,874	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,338	3/4	50,562	3/4	39,786	3/4	29,149	3/4	18,454	3/4	7,649	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	61,113	9	50,337	9	39,562	9	28,930	9	18,229	9	7,424	9		9	9	9	9	9	9
1/4	60,889	1/4	50,113	1/4	39,337	1/4	28,711	1/4	18,004	1/4	7,199	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,664	1/2	49,888	1/2	39,113	1/2	28,492	1/2	17,779	1/2	6,974	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,440	3/4	49,664	3/4	38,888	3/4	28,273	3/4	17,553	3/4	6,749	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	60,215	10	49,439	10	38,664	10	28,054	10	17,328	10	6,524	10		10	10	10	10	10	10
1/4	59,991	1/4	49,215	1/4	38,439	1/4	27,835	1/4	17,103	1/4	6,299	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,766	1/2	48,990	1/2	38,215	1/2	27,616	1/2	16,878	1/2	6,075	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,542	3/4	48,766	3/4	37,990	3/4	27,397	3/4	16,653	3/4	5,850	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	59,317	11	48,541	11	37,766	11	27,178	11	16,428	11	5,626	11		11	11	11	11	11	11
1/4	59,093	1/4	48,317	1/4	37,541	1/4	26,959	1/4	16,203	1/4	5,401	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,868	1/2	48,092	1/2	37,317	1/2	26,740	1/2	15,978	1/2	5,178	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,644	3/4	47,868	3/4	37,092	3/4	26,521	3/4	15,753	3/4	4,954	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/13/2020 CL  
CALCULATED: 08/13/2020 CL  
PRINTED: 08/13/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020

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



# BARGE "CBC 1013"

## 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	162,919	0	150,810	0	138,700	0	126,591	0	114,481	0	102,372	0	90,262
1/4		1/4		1/4		1/4	162,667	1/4	150,558	1/4	138,448	1/4	126,339	1/4	114,229	1/4	102,120	1/4	90,010
1/2		1/2		1/2		1/2	162,415	1/2	150,305	1/2	138,196	1/2	126,086	1/2	113,977	1/2	101,867	1/2	89,758
3/4		3/4		3/4		3/4	171,245	3/4	162,162	3/4	150,053	3/4	137,943	3/4	125,834	3/4	113,724	3/4	101,615
1		1		1		1	171,224	1	161,910	1	149,801	1	137,691	1	125,582	1	113,472	1	101,363
1/4		1/4		1/4		1/4	171,203	1/4	161,658	1/4	149,548	1/4	137,439	1/4	125,329	1/4	113,220	1/4	101,110
1/2		1/2		1/2		1/2	171,182	1/2	161,406	1/2	149,296	1/2	137,187	1/2	125,077	1/2	112,968	1/2	100,858
3/4		3/4		3/4		3/4	171,161	3/4	161,153	3/4	149,044	3/4	136,934	3/4	124,825	3/4	112,715	3/4	100,606
2		2		2		2	171,097	2	160,901	2	148,792	2	136,682	2	124,573	2	112,463	2	100,354
1/4		1/4		1/4		1/4	171,034	1/4	160,649	1/4	148,539	1/4	136,430	1/4	124,320	1/4	112,211	1/4	100,101
1/2		1/2		1/2		1/2	170,971	1/2	160,397	1/2	148,287	1/2	136,177	1/2	124,068	1/2	111,958	1/2	99,849
3/4		3/4		3/4		3/4	170,908	3/4	160,144	3/4	148,035	3/4	135,925	3/4	123,816	3/4	111,706	3/4	99,597
3		3		3		3	170,803	3	159,892	3	147,782	3	135,673	3	123,563	3	111,454	3	99,344
1/4		1/4		1/4		1/4	170,698	1/4	159,640	1/4	147,530	1/4	135,421	1/4	123,311	1/4	111,202	1/4	99,092
1/2		1/2		1/2		1/2	170,593	1/2	159,387	1/2	147,278	1/2	135,168	1/2	123,059	1/2	110,949	1/2	98,840
3/4		3/4		3/4		3/4	170,488	3/4	159,135	3/4	147,026	3/4	134,916	3/4	122,807	3/4	110,697	3/4	98,588
4		4		4		4	170,341	4	158,883	4	146,773	4	134,664	4	122,554	4	110,445	4	98,335
1/4		1/4		1/4		1/4	170,193	1/4	158,631	1/4	146,521	1/4	134,412	1/4	122,302	1/4	110,193	1/4	98,083
1/2		1/2		1/2		1/2	170,046	1/2	158,378	1/2	146,269	1/2	134,159	1/2	122,050	1/2	109,940	1/2	97,831
3/4		3/4		3/4		3/4	169,899	3/4	158,126	3/4	146,016	3/4	133,907	3/4	121,797	3/4	109,688	3/4	97,578
5		5		5		5	169,710	5	157,874	5	145,764	5	133,655	5	121,545	5	109,436	5	97,326
1/4		1/4		1/4		1/4	169,521	1/4	157,621	1/4	145,512	1/4	133,402	1/4	121,293	1/4	109,183	1/4	97,074
1/2		1/2		1/2		1/2	169,331	1/2	157,369	1/2	145,260	1/2	133,150	1/2	121,041	1/2	108,931	1/2	96,822
3/4		3/4		3/4		3/4	169,142	3/4	157,117	3/4	145,007	3/4	132,898	3/4	120,788	3/4	108,679	3/4	96,569
6		6		6		6	168,911	6	156,865	6	144,755	6	132,646	6	120,536	6	108,427	6	96,317
1/4		1/4		1/4		1/4	168,680	1/4	156,612	1/4	144,503	1/4	132,393	1/4	120,284	1/4	108,174	1/4	96,065
1/2		1/2		1/2		1/2	168,448	1/2	156,360	1/2	144,251	1/2	132,141	1/2	120,031	1/2	107,922	1/2	95,812
3/4		3/4		3/4		3/4	168,217	3/4	156,108	3/4	143,998	3/4	131,889	3/4	119,779	3/4	107,670	3/4	95,560
7		7		7		7	167,965	7	155,855	7	143,746	7	131,636	7	119,527	7	107,417	7	95,308
1/4		1/4		1/4		1/4	167,713	1/4	155,603	1/4	143,494	1/4	131,384	1/4	119,275	1/4	107,165	1/4	95,056
1/2		1/2		1/2		1/2	167,460	1/2	155,351	1/2	143,241	1/2	131,132	1/2	119,022	1/2	106,913	1/2	94,803
3/4		3/4		3/4		3/4	167,208	3/4	155,099	3/4	142,989	3/4	130,880	3/4	118,770	3/4	106,661	3/4	94,551
8		8		8		8	166,956	8	154,846	8	142,737	8	130,627	8	118,518	8	106,408	8	94,299
1/4		1/4		1/4		1/4	166,704	1/4	154,594	1/4	142,485	1/4	130,375	1/4	118,266	1/4	106,156	1/4	94,047
1/2		1/2		1/2		1/2	166,451	1/2	154,342	1/2	142,232	1/2	130,123	1/2	118,013	1/2	105,904	1/2	93,794
3/4		3/4		3/4		3/4	166,199	3/4	154,089	3/4	141,980	3/4	129,870	3/4	117,761	3/4	105,651	3/4	93,542
9		9		9		9	165,947	9	153,837	9	141,728	9	129,618	9	117,509	9	105,399	9	93,290
1/4		1/4		1/4		1/4	165,694	1/4	153,585	1/4	141,475	1/4	129,366	1/4	117,256	1/4	105,147	1/4	93,037
1/2		1/2		1/2		1/2	165,442	1/2	153,333	1/2	141,223	1/2	129,114	1/2	117,004	1/2	104,895	1/2	92,785
3/4		3/4		3/4		3/4	165,190	3/4	153,080	3/4	140,971	3/4	128,861	3/4	116,752	3/4	104,642	3/4	92,533
10		10		10		10	164,938	10	152,828	10	140,719	10	128,609	10	116,500	10	104,390	10	92,281
1/4		1/4		1/4		1/4	164,685	1/4	152,576	1/4	140,466	1/4	128,357	1/4	116,247	1/4	104,138	1/4	92,028
1/2		1/2		1/2		1/2	164,433	1/2	152,324	1/2	140,214	1/2	128,104	1/2	115,995	1/2	103,885	1/2	91,776
3/4		3/4		3/4		3/4	164,181	3/4	152,071	3/4	139,962	3/4	127,852	3/4	115,743	3/4	103,633	3/4	91,524
11		11		11		11	163,928	11	151,819	11	139,709	11	127,600	11	115,490	11	103,381	11	91,271
1/4		1/4		1/4		1/4	163,676	1/4	151,567	1/4	139,457	1/4	127,348	1/4	115,238	1/4	103,129	1/4	91,019
1/2		1/2		1/2		1/2	163,424	1/2	151,314	1/2	139,205	1/2	127,095	1/2	114,986	1/2	102,876	1/2	90,767
3/4		3/4		3/4		3/4	163,172	3/4	151,062	3/4	138,953	3/4	126,843	3/4	114,734	3/4	102,624	3/4	90,515

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'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "CBC 1013"

## 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										
	78,153		66,043		53,934		41,824		29,962		17,902		5,798						
1/4	77,900	1/4	65,791	1/4	53,681	1/4	41,572	1/4	29,716	1/4	17,650	1/4	5,548	1/4		1/4		1/4	
1/2	77,648	1/2	65,539	1/2	53,429	1/2	41,320	1/2	29,471	1/2	17,398	1/2	5,297	1/2		1/2		1/2	
3/4	77,396	3/4	65,286	3/4	53,177	3/4	41,067	3/4	29,226	3/4	17,145	3/4	5,046	3/4		3/4		3/4	
1	77,144	1	65,034	1	52,925	1	40,815	1	28,981	1	16,893	1	4,797	1		1		1	
1/4	76,891	1/4	64,782	1/4	52,672	1/4	40,563	1/4	28,736	1/4	16,641	1/4	4,547	1/4		1/4		1/4	
1/2	76,639	1/2	64,530	1/2	52,420	1/2	40,311	1/2	28,491	1/2	16,389	1/2	4,298	1/2		1/2		1/2	
3/4	76,387	3/4	64,277	3/4	52,168	3/4	40,058	3/4	28,245	3/4	16,136	3/4	4,048	3/4		3/4		3/4	
2	76,135	2	64,025	2	51,916	2	39,806	2	27,993	2	15,884	2	3,801	2		2		2	
1/4	75,882	1/4	63,773	1/4	51,663	1/4	39,554	1/4	27,741	1/4	15,632	1/4	3,554	1/4		1/4		1/4	
1/2	75,630	1/2	63,520	1/2	51,411	1/2	39,301	1/2	27,488	1/2	15,379	1/2	3,307	1/2		1/2		1/2	
3/4	75,378	3/4	63,268	3/4	51,159	3/4	39,049	3/4	27,236	3/4	15,127	3/4	3,059	3/4		3/4		3/4	
3	75,125	3	63,016	3	50,906	3	38,797	3	26,984	3	14,875	3	2,829	3		3		3	
1/4	74,873	1/4	62,764	1/4	50,654	1/4	38,545	1/4	26,732	1/4	14,623	1/4	2,598	1/4		1/4		1/4	
1/2	74,621	1/2	62,511	1/2	50,402	1/2	38,292	1/2	26,479	1/2	14,370	1/2	2,368	1/2		1/2		1/2	
3/4	74,369	3/4	62,259	3/4	50,150	3/4	38,040	3/4	26,227	3/4	14,118	3/4	2,137	3/4		3/4		3/4	
4	74,116	4	62,007	4	49,897	4	37,795	4	25,975	4	13,866	4	1,948	4		4		4	
1/4	73,864	1/4	61,754	1/4	49,645	1/4	37,550	1/4	25,723	1/4	13,614	1/4	1,759	1/4		1/4		1/4	
1/2	73,612	1/2	61,502	1/2	49,393	1/2	37,306	1/2	25,470	1/2	13,361	1/2	1,570	1/2		1/2		1/2	
3/4	73,359	3/4	61,250	3/4	49,140	3/4	37,061	3/4	25,218	3/4	13,109	3/4	1,380	3/4		3/4		3/4	
5	73,107	5	60,998	5	48,888	5	36,816	5	24,966	5	12,857	5	1,233	5		5		5	
1/4	72,855	1/4	60,745	1/4	48,636	1/4	36,571	1/4	24,713	1/4	12,604	1/4	1,086	1/4		1/4		1/4	
1/2	72,603	1/2	60,493	1/2	48,384	1/2	36,327	1/2	24,461	1/2	12,352	1/2	939	1/2		1/2		1/2	
3/4	72,350	3/4	60,241	3/4	48,131	3/4	36,082	3/4	24,209	3/4	12,100	3/4	792	3/4		3/4		3/4	
6	72,098	6	59,989	6	47,879	6	35,837	6	23,957	6	11,848	6	687	6		6		6	
1/4	71,846	1/4	59,736	1/4	47,627	1/4	35,592	1/4	23,704	1/4	11,595	1/4	582	1/4		1/4		1/4	
1/2	71,593	1/2	59,484	1/2	47,374	1/2	35,347	1/2	23,452	1/2	11,343	1/2	476	1/2		1/2		1/2	
3/4	71,341	3/4	59,232	3/4	47,122	3/4	35,103	3/4	23,200	3/4	11,091	3/4	371	3/4		3/4		3/4	
7	71,089	7	58,979	7	46,870	7	34,858	7	22,948	7	10,839	7	308	7		7		7	
1/4	70,837	1/4	58,727	1/4	46,618	1/4	34,613	1/4	22,695	1/4	10,586	1/4	245	1/4		1/4		1/4	
1/2	70,584	1/2	58,475	1/2	46,365	1/2	34,368	1/2	22,443	1/2	10,334	1/2	182	1/2		1/2		1/2	
3/4	70,332	3/4	58,223	3/4	46,113	3/4	34,123	3/4	22,191	3/4	10,082	3/4	119	3/4		3/4		3/4	
8	70,080	8	57,970	8	45,861	8	33,879	8	21,939	8	9,829	8	98	8		8		8	
1/4	69,827	1/4	57,718	1/4	45,608	1/4	33,634	1/4	21,686	1/4	9,577	1/4	77	1/4		1/4		1/4	
1/2	69,575	1/2	57,466	1/2	45,356	1/2	33,389	1/2	21,434	1/2	9,325	1/2	56	1/2		1/2		1/2	
3/4	69,323	3/4	57,213	3/4	45,104	3/4	33,144	3/4	21,182	3/4	9,073	3/4	35	3/4		3/4		3/4	
9	69,071	9	56,961	9	44,852	9	32,900	9	20,929	9	8,820	9		9		9		9	
1/4	68,818	1/4	56,709	1/4	44,599	1/4	32,655	1/4	20,677	1/4	8,568	1/4		1/4		1/4		1/4	
1/2	68,566	1/2	56,457	1/2	44,347	1/2	32,410	1/2	20,425	1/2	8,316	1/2		1/2		1/2		1/2	
3/4	68,314	3/4	56,204	3/4	44,095	3/4	32,165	3/4	20,173	3/4	8,064	3/4		3/4		3/4		3/4	
10	68,062	10	55,952	10	43,843	10	31,920	10	19,920	10	7,812	10		10		10		10	
1/4	67,809	1/4	55,700	1/4	43,590	1/4	31,676	1/4	19,668	1/4	7,560	1/4		1/4		1/4		1/4	
1/2	67,557	1/2	55,447	1/2	43,338	1/2	31,431	1/2	19,416	1/2	7,307	1/2		1/2		1/2		1/2	
3/4	67,305	3/4	55,195	3/4	43,086	3/4	31,186	3/4	19,164	3/4	7,055	3/4		3/4		3/4		3/4	
11	67,052	11	54,943	11	42,833	11	30,941	11	18,911	11	6,804	11		11		11		11	
1/4	66,800	1/4	54,691	1/4	42,581	1/4	30,696	1/4	18,659	1/4	6,552	1/4		1/4		1/4		1/4	
1/2	66,548	1/2	54,438	1/2	42,329	1/2	30,452	1/2	18,407	1/2	6,301	1/2		1/2		1/2		1/2	
3/4	66,296	3/4	54,186	3/4	42,077	3/4	30,207	3/4	18,154	3/4	6,049	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/13/2020 CL  
CALCULATED: 08/13/2020 CL  
PRINTED: 08/13/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "CBC 1013"

## 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	144,873	0	134,139	0	123,405	0	112,670	0	101,936	0	91,202	0	80,468			
1/4		1/4	1/4	1/4	144,649	1/4	133,915	1/4	123,181	1/4	112,447	1/4	101,713	1/4	90,978	1/4	80,244	1/4	80,244	
1/2		1/2	1/2	1/2	144,426	1/2	133,692	1/2	122,957	1/2	112,223	1/2	101,489	1/2	90,755	1/2	80,021	1/2	80,021	
3/4		3/4	3/4	3/4	144,202	3/4	133,468	3/4	122,734	3/4	112,000	3/4	101,265	3/4	90,531	3/4	80,797	3/4	79,797	
1	1	1	1	152,029	1	143,979	1	133,244	1	122,510	1	111,776	1	101,042	1	90,308	1	79,573		
1/4		1/4	1/4	152,011	1/4	143,755	1/4	133,021	1/4	122,287	1/4	111,552	1/4	100,818	1/4	90,084	1/4	79,350	1/4	79,350
1/2		1/2	1/2	151,992	1/2	143,531	1/2	132,797	1/2	122,063	1/2	111,329	1/2	100,595	1/2	89,860	1/2	79,126	1/2	79,126
3/4		3/4	3/4	151,973	3/4	143,308	3/4	132,574	3/4	121,839	3/4	111,105	3/4	100,371	3/4	89,637	3/4	78,902	3/4	78,902
2	2	2	2	151,955	2	143,084	2	132,350	2	121,616	2	110,881	2	100,147	2	89,413	2	78,679		
1/4		1/4	1/4	151,899	1/4	142,860	1/4	132,126	1/4	121,392	1/4	110,658	1/4	99,924	1/4	89,189	1/4	78,455	1/4	78,455
1/2		1/2	1/2	151,843	1/2	142,637	1/2	131,903	1/2	121,168	1/2	110,434	1/2	99,700	1/2	88,966	1/2	78,232	1/2	78,232
3/4		3/4	3/4	151,787	3/4	142,413	3/4	131,679	3/4	120,945	3/4	110,211	3/4	99,476	3/4	88,742	3/4	78,008	3/4	78,008
3	3	3	3	151,731	3	142,190	3	131,455	3	120,721	3	109,987	3	99,253	3	88,519	3	77,784		
1/4		1/4	1/4	151,638	1/4	141,966	1/4	131,232	1/4	120,498	1/4	109,763	1/4	99,029	1/4	88,295	1/4	77,561	1/4	77,561
1/2		1/2	1/2	151,545	1/2	141,742	1/2	131,008	1/2	120,274	1/2	109,540	1/2	98,805	1/2	88,071	1/2	77,337	1/2	77,337
3/4		3/4	3/4	151,452	3/4	141,519	3/4	130,784	3/4	120,050	3/4	109,316	3/4	98,582	3/4	87,848	3/4	77,113	3/4	77,113
4	4	4	4	151,358	4	141,295	4	130,561	4	119,827	4	109,092	4	98,358	4	87,624	4	76,890		
1/4		1/4	1/4	151,228	1/4	141,071	1/4	130,337	1/4	119,603	1/4	108,869	1/4	98,135	1/4	87,400	1/4	76,666	1/4	76,666
1/2		1/2	1/2	151,097	1/2	140,848	1/2	130,114	1/2	119,379	1/2	108,645	1/2	97,911	1/2	87,177	1/2	76,443	1/2	76,443
3/4		3/4	3/4	150,967	3/4	140,624	3/4	129,890	3/4	119,156	3/4	108,422	3/4	97,687	3/4	86,953	3/4	76,219	3/4	76,219
5	5	5	5	150,837	5	140,401	5	129,666	5	118,932	5	108,198	5	97,464	5	86,729	5	75,995		
1/4		1/4	1/4	150,669	1/4	140,177	1/4	129,443	1/4	118,708	1/4	107,974	1/4	97,240	1/4	86,506	1/4	75,772	1/4	75,772
1/2		1/2	1/2	150,501	1/2	139,953	1/2	129,219	1/2	118,485	1/2	107,751	1/2	97,016	1/2	86,282	1/2	75,548	1/2	75,548
3/4		3/4	3/4	150,333	3/4	139,730	3/4	128,995	3/4	118,261	3/4	107,527	3/4	96,793	3/4	86,059	3/4	75,324	3/4	75,324
6	6	6	6	150,166	6	139,506	6	128,772	6	118,038	6	107,303	6	96,569	6	85,835	6	75,101		
1/4		1/4	1/4	149,961	1/4	139,282	1/4	128,548	1/4	117,814	1/4	107,080	1/4	96,346	1/4	85,611	1/4	74,877	1/4	74,877
1/2		1/2	1/2	149,756	1/2	139,059	1/2	128,325	1/2	117,590	1/2	106,856	1/2	96,122	1/2	85,388	1/2	74,653	1/2	74,653
3/4		3/4	3/4	149,551	3/4	138,835	3/4	128,101	3/4	117,367	3/4	106,633	3/4	95,898	3/4	85,164	3/4	74,430	3/4	74,430
7	7	7	7	149,346	7	138,612	7	127,877	7	117,143	7	106,409	7	95,675	7	84,940	7	74,206		
1/4		1/4	1/4	149,122	1/4	138,388	1/4	127,654	1/4	116,919	1/4	106,185	1/4	95,451	1/4	84,717	1/4	73,983	1/4	73,983
1/2		1/2	1/2	148,898	1/2	138,164	1/2	127,430	1/2	116,696	1/2	105,962	1/2	95,227	1/2	84,493	1/2	73,759	1/2	73,759
3/4		3/4	3/4	148,675	3/4	137,941	3/4	127,206	3/4	116,472	3/4	105,738	3/4	95,004	3/4	84,270	3/4	73,535	3/4	73,535
8	8	8	8	148,451	8	137,717	8	126,983	8	116,249	8	105,514	8	94,780	8	84,046	8	73,312		
1/4		1/4	1/4	148,228	1/4	137,493	1/4	126,759	1/4	116,025	1/4	105,291	1/4	94,557	1/4	83,822	1/4	73,088	1/4	73,088
1/2		1/2	1/2	148,004	1/2	137,270	1/2	126,536	1/2	115,801	1/2	105,067	1/2	94,333	1/2	83,599	1/2	72,864	1/2	72,864
3/4		3/4	3/4	147,780	3/4	137,046	3/4	126,312	3/4	115,578	3/4	104,843	3/4	94,109	3/4	83,375	3/4	72,641	3/4	72,641
9	9	9	9	147,557	9	136,822	9	126,088	9	115,354	9	104,620	9	93,886	9	83,151	9	72,417		
1/4		1/4	1/4	147,333	1/4	136,599	1/4	125,865	1/4	115,130	1/4	104,396	1/4	93,662	1/4	82,928	1/4	72,194	1/4	72,194
1/2		1/2	1/2	147,109	1/2	136,375	1/2	125,641	1/2	114,907	1/2	104,173	1/2	93,438	1/2	82,704	1/2	71,970	1/2	71,970
3/4		3/4	3/4	146,886	3/4	136,152	3/4	125,417	3/4	114,683	3/4	103,949	3/4	93,215	3/4	82,481	3/4	71,746	3/4	71,746
10	10	10	10	146,662	10	135,928	10	125,194	10	114,460	10	103,725	10	92,991	10	82,257	10	71,523		
1/4		1/4	1/4	146,439	1/4	135,704	1/4	124,970	1/4	114,236	1/4	103,502	1/4	92,767	1/4	82,033	1/4	71,299	1/4	71,299
1/2		1/2	1/2	146,215	1/2	135,481	1/2	124,746	1/2	114,012	1/2	103,278	1/2	92,544	1/2	81,810	1/2	71,075	1/2	71,075
3/4		3/4	3/4	145,991	3/4	135,257	3/4	124,523	3/4	113,789	3/4	103,054	3/4	92,320	3/4	81,586	3/4	70,852	3/4	70,852
11	11	11	11	145,768	11	135,033	11	124,299	11	113,565	11	102,831	11	92,097	11	81,362	11	70,628		
1/4		1/4	1/4	145,544	1/4	134,810	1/4	124,076	1/4	113,341	1/4	102,607	1/4	91,873	1/4	81,139	1/4	70,405	1/4	70,405
1/2		1/2	1/2	145,320	1/2	134,586	1/2	123,852	1/2	113,118	1/2	102,384	1/2	91,649	1/2	80,915	1/2	70,181	1/2	70,181
3/4		3/4	3/4	145,097	3/4	134,363	3/4	123,628	3/4	112,894	3/4	102,160	3/4	91,426	3/4	80,691	3/4	69,957	3/4	69,957

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 22'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "CBC 1013"

## 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	69,734	0	58,999	0	48,265	0	37,531	0	26,826	0	16,096	0	5,366	0		0		0	
1/4	69,510	1/4	58,776	1/4	48,042	1/4	37,307	1/4	26,603	1/4	15,873	1/4	5,144	1/4		1/4		1/4	
1/2	69,286	1/2	58,552	1/2	47,818	1/2	37,084	1/2	26,380	1/2	15,649	1/2	4,922	1/2		1/2		1/2	
3/4	69,063	3/4	58,329	3/4	47,594	3/4	36,860	3/4	26,157	3/4	15,426	3/4	4,699	3/4		3/4		3/4	
1	68,839	1	58,105	1	47,371	1	36,636	1	25,934	1	15,202	1	4,477	1		1		1	
1/4	68,616	1/4	57,881	1/4	47,147	1/4	36,413	1/4	25,711	1/4	14,978	1/4	4,256	1/4		1/4		1/4	
1/2	68,392	1/2	57,658	1/2	46,923	1/2	36,189	1/2	25,487	1/2	14,755	1/2	4,035	1/2		1/2		1/2	
3/4	68,168	3/4	57,434	3/4	46,700	3/4	35,966	3/4	25,264	3/4	14,531	3/4	3,814	3/4		3/4		3/4	
2	67,945	2	57,210	2	46,476	2	35,742	2	25,041	2	14,307	2	3,593	2		2		2	
1/4	67,721	1/4	56,987	1/4	46,253	1/4	35,518	1/4	24,818	1/4	14,084	1/4	3,373	1/4		1/4		1/4	
1/2	67,497	1/2	56,763	1/2	46,029	1/2	35,295	1/2	24,594	1/2	13,860	1/2	3,154	1/2		1/2		1/2	
3/4	67,274	3/4	56,540	3/4	45,805	3/4	35,071	3/4	24,370	3/4	13,637	3/4	2,935	3/4		3/4		3/4	
3	67,050	3	56,316	3	45,582	3	34,847	3	24,147	3	13,413	3	2,716	3		3		3	
1/4	66,826	1/4	56,092	1/4	45,358	1/4	34,624	1/4	23,923	1/4	13,189	1/4	2,512	1/4		1/4		1/4	
1/2	66,603	1/2	55,869	1/2	45,134	1/2	34,400	1/2	23,700	1/2	12,966	1/2	2,307	1/2		1/2		1/2	
3/4	66,379	3/4	55,645	3/4	44,911	3/4	34,177	3/4	23,476	3/4	12,742	3/4	2,103	3/4		3/4		3/4	
4	66,156	4	55,421	4	44,687	4	33,953	4	23,252	4	12,518	4	1,898	4		4		4	
1/4	65,932	1/4	55,198	1/4	44,464	1/4	33,730	1/4	23,029	1/4	12,295	1/4	1,731	1/4		1/4		1/4	
1/2	65,708	1/2	54,974	1/2	44,240	1/2	33,508	1/2	22,805	1/2	12,071	1/2	1,563	1/2		1/2		1/2	
3/4	65,485	3/4	54,750	3/4	44,016	3/4	33,285	3/4	22,581	3/4	11,848	3/4	1,395	3/4		3/4		3/4	
5	65,261	5	54,527	5	43,793	5	33,062	5	22,358	5	11,624	5	1,227	5		5		5	
1/4	65,037	1/4	54,303	1/4	43,569	1/4	32,839	1/4	22,134	1/4	11,400	1/4	1,097	1/4		1/4		1/4	
1/2	64,814	1/2	54,080	1/2	43,345	1/2	32,617	1/2	21,911	1/2	11,177	1/2	967	1/2		1/2		1/2	
3/4	64,590	3/4	53,856	3/4	43,122	3/4	32,394	3/4	21,687	3/4	10,953	3/4	836	3/4		3/4		3/4	
6	64,367	6	53,632	6	42,898	6	32,171	6	21,463	6	10,730	6	706	6		6		6	
1/4	64,143	1/4	53,409	1/4	42,674	1/4	31,949	1/4	21,240	1/4	10,506	1/4	613	1/4		1/4		1/4	
1/2	63,919	1/2	53,185	1/2	42,451	1/2	31,726	1/2	21,016	1/2	10,282	1/2	519	1/2		1/2		1/2	
3/4	63,696	3/4	52,961	3/4	42,227	3/4	31,503	3/4	20,792	3/4	10,059	3/4	426	3/4		3/4		3/4	
7	63,472	7	52,738	7	42,004	7	31,280	7	20,569	7	9,835	7	333	7		7		7	
1/4	63,248	1/4	52,514	1/4	41,780	1/4	31,058	1/4	20,345	1/4	9,611	1/4	277	1/4		1/4		1/4	
1/2	63,025	1/2	52,291	1/2	41,556	1/2	30,835	1/2	20,122	1/2	9,388	1/2	221	1/2		1/2		1/2	
3/4	62,801	3/4	52,067	3/4	41,333	3/4	30,612	3/4	19,898	3/4	9,164	3/4	165	3/4		3/4		3/4	
8	62,578	8	51,843	8	41,109	8	30,390	8	19,674	8	8,941	8	109	8		8		8	
1/4	62,354	1/4	51,620	1/4	40,885	1/4	30,167	1/4	19,451	1/4	8,717	1/4	91	1/4		1/4		1/4	
1/2	62,130	1/2	51,396	1/2	40,662	1/2	29,944	1/2	19,227	1/2	8,493	1/2	72	1/2		1/2		1/2	
3/4	61,907	3/4	51,172	3/4	40,438	3/4	29,721	3/4	19,003	3/4	8,270	3/4	54	3/4		3/4		3/4	
9	61,683	9	50,949	9	40,215	9	29,499	9	18,780	9	8,046	9	35	9		9		9	
1/4	61,459	1/4	50,725	1/4	39,991	1/4	29,276	1/4	18,556	1/4	7,822	1/4		1/4		1/4		1/4	
1/2	61,236	1/2	50,502	1/2	39,767	1/2	29,053	1/2	18,333	1/2	7,599	1/2		1/2		1/2		1/2	
3/4	61,012	3/4	50,278	3/4	39,544	3/4	28,831	3/4	18,109	3/4	7,375	3/4		3/4		3/4		3/4	
10	60,788	10	50,054	10	39,320	10	28,608	10	17,885	10	7,152	10		10		10		10	
1/4	60,565	1/4	49,831	1/4	39,096	1/4	28,385	1/4	17,662	1/4	6,928	1/4		1/4		1/4		1/4	
1/2	60,341	1/2	49,607	1/2	38,873	1/2	28,162	1/2	17,438	1/2	6,705	1/2		1/2		1/2		1/2	
3/4	60,118	3/4	49,383	3/4	38,649	3/4	27,940	3/4	17,215	3/4	6,481	3/4		3/4		3/4		3/4	
11	59,894	11	49,160	11	38,426	11	27,717	11	16,991	11	6,258	11		11		11		11	
1/4	59,670	1/4	48,936	1/4	38,202	1/4	27,494	1/4	16,767	1/4	6,035	1/4		1/4		1/4		1/4	
1/2	59,447	1/2	48,712	1/2	37,978	1/2	27,272	1/2	16,544	1/2	5,812	1/2		1/2		1/2		1/2	
3/4	59,223	3/4	48,489	3/4	37,755	3/4	27,049	3/4	16,320	3/4	5,589	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/13/2020 CL  
CALCULATED: 08/13/2020 CL  
PRINTED: 08/13/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2020

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