



# BARGE "CBC 1402"

## 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	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-5/8	- 01-5/8
2 CENTER	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-1/4	01-1/4
3 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS - 00-1/2"  
 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"

May 2, 2018

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

<http://www.pmacorp.net>



# BARGE "CBC 1402"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	8,694	0	20,290	0	31,703	0	43,157	0	54,725	0	66,294	0	77,839	0	89,386	0	100,959
1/4	59	1/4	8,935	1/4	20,532	1/4	31,937	1/4	43,398	1/4	54,966	1/4	66,535	1/4	78,078	1/4	89,627	1/4	101,200
1/2	80	1/2	9,177	1/2	20,773	1/2	32,171	1/2	43,639	1/2	55,207	1/2	66,776	1/2	78,318	1/2	89,868	1/2	101,441
3/4	100	3/4	9,419	3/4	21,015	3/4	32,405	3/4	43,880	3/4	55,448	3/4	67,017	3/4	78,558	3/4	90,109	3/4	101,682
1	120	1	9,660	1	21,256	1	32,639	1	44,121	1	55,689	1	67,258	1	78,797	1	90,350	1	101,923
1/4	180	1/4	9,902	1/4	21,498	1/4	32,873	1/4	44,362	1/4	55,930	1/4	67,499	1/4	79,037	1/4	90,591	1/4	102,164
1/2	241	1/2	10,143	1/2	21,740	1/2	33,107	1/2	44,603	1/2	56,171	1/2	67,740	1/2	79,277	1/2	90,832	1/2	102,405
3/4	301	3/4	10,385	3/4	21,981	3/4	33,340	3/4	44,844	3/4	56,412	3/4	67,981	3/4	79,516	3/4	91,073	3/4	102,646
2	361	2	10,627	2	22,223	2	33,574	2	45,085	2	56,653	2	68,222	2	79,756	2	91,315	2	102,887
1/4	462	1/4	10,868	1/4	22,464	1/4	33,808	1/4	45,326	1/4	56,894	1/4	68,463	1/4	79,996	1/4	91,556	1/4	103,128
1/2	563	1/2	11,110	1/2	22,706	1/2	34,042	1/2	45,567	1/2	57,135	1/2	68,704	1/2	80,235	1/2	91,797	1/2	103,370
3/4	663	3/4	11,351	3/4	22,947	3/4	34,276	3/4	45,808	3/4	57,376	3/4	68,945	3/4	80,475	3/4	92,038	3/4	103,611
3	764	3	11,593	3	23,189	3	34,510	3	46,049	3	57,617	3	69,186	3	80,715	3	92,279	3	103,852
1/4	905	1/4	11,834	1/4	23,431	1/4	34,743	1/4	46,290	1/4	57,858	1/4	69,427	1/4	80,954	1/4	92,520	1/4	104,093
1/2	1,046	1/2	12,076	1/2	23,672	1/2	34,977	1/2	46,531	1/2	58,099	1/2	69,668	1/2	81,194	1/2	92,761	1/2	104,334
3/4	1,187	3/4	12,318	3/4	23,914	3/4	35,211	3/4	46,772	3/4	58,341	3/4	69,909	3/4	81,434	3/4	93,002	3/4	104,575
4	1,328	4	12,559	4	24,155	4	35,445	4	47,013	4	58,582	4	70,150	4	81,673	4	93,243	4	104,816
1/4	1,509	1/4	12,801	1/4	24,397	1/4	35,686	1/4	47,254	1/4	58,823	1/4	70,391	1/4	81,914	1/4	93,484	1/4	105,057
1/2	1,690	1/2	13,042	1/2	24,639	1/2	35,927	1/2	47,495	1/2	59,064	1/2	70,632	1/2	82,154	1/2	93,726	1/2	105,298
3/4	1,871	3/4	13,284	3/4	24,880	3/4	36,168	3/4	47,736	3/4	59,305	3/4	70,873	3/4	82,394	3/4	93,967	3/4	105,539
5	2,052	5	13,526	5	25,122	5	36,409	5	47,977	5	59,546	5	71,114	5	82,635	5	94,208	5	105,781
1/4	2,273	1/4	13,767	1/4	25,363	1/4	36,650	1/4	48,218	1/4	59,787	1/4	71,355	1/4	82,876	1/4	94,449	1/4	106,022
1/2	2,494	1/2	14,009	1/2	25,605	1/2	36,891	1/2	48,459	1/2	60,028	1/2	71,596	1/2	83,117	1/2	94,690	1/2	106,263
3/4	2,715	3/4	14,250	3/4	25,847	3/4	37,132	3/4	48,700	3/4	60,269	3/4	71,837	3/4	83,358	3/4	94,931	3/4	106,504
6	2,935	6	14,492	6	26,088	6	37,373	6	48,941	6	60,510	6	72,078	6	83,599	6	95,172	6	106,745
1/4	3,172	1/4	14,734	1/4	26,322	1/4	37,614	1/4	49,182	1/4	60,751	1/4	72,318	1/4	83,840	1/4	95,413	1/4	106,986
1/2	3,409	1/2	14,975	1/2	26,557	1/2	37,855	1/2	49,423	1/2	60,992	1/2	72,559	1/2	84,081	1/2	95,654	1/2	107,227
3/4	3,646	3/4	15,217	3/4	26,791	3/4	38,096	3/4	49,664	3/4	61,233	3/4	72,799	3/4	84,322	3/4	95,895	3/4	107,468
7	3,882	7	15,458	7	27,025	7	38,337	7	49,905	7	61,474	7	73,040	7	84,564	7	96,137	7	107,709
1/4	4,121	1/4	15,700	1/4	27,259	1/4	38,578	1/4	50,146	1/4	61,715	1/4	73,280	1/4	84,805	1/4	96,378	1/4	107,950
1/2	4,360	1/2	15,941	1/2	27,493	1/2	38,819	1/2	50,387	1/2	61,956	1/2	73,520	1/2	85,046	1/2	96,619	1/2	108,191
3/4	4,599	3/4	16,183	3/4	27,728	3/4	39,060	3/4	50,628	3/4	62,197	3/4	73,761	3/4	85,287	3/4	96,860	3/4	108,433
8	4,838	8	16,425	8	27,962	8	39,301	8	50,869	8	62,438	8	74,001	8	85,528	8	97,101	8	108,674
1/4	5,078	1/4	16,666	1/4	28,196	1/4	39,542	1/4	51,110	1/4	62,679	1/4	74,242	1/4	85,769	1/4	97,342	1/4	108,915
1/2	5,318	1/2	16,908	1/2	28,430	1/2	39,783	1/2	51,351	1/2	62,920	1/2	74,482	1/2	86,010	1/2	97,583	1/2	109,156
3/4	5,558	3/4	17,149	3/4	28,663	3/4	40,024	3/4	51,592	3/4	63,161	3/4	74,722	3/4	86,251	3/4	97,824	3/4	109,397
9	5,798	9	17,391	9	28,897	9	40,265	9	51,833	9	63,402	9	74,963	9	86,492	9	98,065	9	109,638
1/4	6,039	1/4	17,633	1/4	29,131	1/4	40,506	1/4	52,074	1/4	63,643	1/4	75,203	1/4	86,734	1/4	98,306	1/4	109,879
1/2	6,280	1/2	17,874	1/2	29,365	1/2	40,747	1/2	52,315	1/2	63,884	1/2	75,442	1/2	86,975	1/2	98,548	1/2	110,120
3/4	6,521	3/4	18,116	3/4	29,599	3/4	40,988	3/4	52,556	3/4	64,125	3/4	75,682	3/4	87,216	3/4	98,789	3/4	110,361
10	6,762	10	18,357	10	29,833	10	41,229	10	52,797	10	64,366	10	75,922	10	87,457	10	99,030	10	110,602
1/4	7,003	1/4	18,599	1/4	30,067	1/4	41,470	1/4	53,038	1/4	64,607	1/4	76,161	1/4	87,698	1/4	99,271	1/4	110,844
1/2	7,245	1/2	18,841	1/2	30,300	1/2	41,711	1/2	53,279	1/2	64,848	1/2	76,401	1/2	87,939	1/2	99,512	1/2	111,085
3/4	7,486	3/4	19,082	3/4	30,534	3/4	41,952	3/4	53,520	3/4	65,089	3/4	76,640	3/4	88,180	3/4	99,753	3/4	111,326
11	7,728	11	19,324	11	30,768	11	42,193	11	53,761	11	65,330	11	76,880	11	88,421	11	99,994	11	111,567
1/4	7,969	1/4	19,565	1/4	31,002	1/4	42,434	1/4	54,002	1/4	65,571	1/4	77,120	1/4	88,662	1/4	100,235	1/4	111,808
1/2	8,211	1/2	19,807	1/2	31,236	1/2	42,675	1/2	54,243	1/2	65,812	1/2	77,359	1/2	88,904	1/2	100,476	1/2	112,049
3/4	8,452	3/4	20,048	3/4	31,470	3/4	42,916	3/4	54,484	3/4	66,053	3/4	77,599	3/4	89,145	3/4	100,717	3/4	112,290

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
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# BARGE "CBC 1402"

## 1 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.	
0	112,531	0	122,056	0	130,166	0	138,277	0	146,388	0		0		0		0		0	
1/4	112,772	1/4	122,224	1/4	130,335	1/4	138,446	1/4	146,557	1/4		1/4		1/4		1/4		1/4	
1/2	113,012	1/2	122,393	1/2	130,504	1/2	138,615	1/2	146,726	1/2		1/2		1/2		1/2		1/2	
3/4	113,253	3/4	122,562	3/4	130,673	3/4	138,784	3/4	146,895	3/4		3/4		3/4		3/4		3/4	
1	113,493	1	122,731	1	130,842	1	138,953	1	147,063	1		1		1		1		1	
1/4	113,734	1/4	122,900	1/4	131,011	1/4	139,122	1/4	147,232	1/4		1/4		1/4		1/4		1/4	
1/2	113,975	1/2	123,069	1/2	131,180	1/2	139,291	1/2	147,401	1/2		1/2		1/2		1/2		1/2	
3/4	114,215	3/4	123,238	3/4	131,349	3/4	139,460	3/4	147,570	3/4		3/4		3/4		3/4		3/4	
2	114,456	2	123,407	2	131,518	2	139,629	2	147,739	2		2		2		2		2	
1/4	114,696	1/4	123,576	1/4	131,687	1/4	139,798	1/4	147,908	1/4		1/4		1/4		1/4		1/4	
1/2	114,937	1/2	123,745	1/2	131,856	1/2	139,967	1/2	148,077	1/2		1/2		1/2		1/2		1/2	
3/4	115,177	3/4	123,914	3/4	132,025	3/4	140,136	3/4	148,246	3/4		3/4		3/4		3/4		3/4	
3	115,418	3	124,083	3	132,194	3	140,305	3	148,415	3		3		3		3		3	
1/4	115,658	1/4	124,252	1/4	132,363	1/4	140,474	1/4	148,637	1/4		1/4		1/4		1/4		1/4	
1/2	115,899	1/2	124,421	1/2	132,532	1/2	140,643	1/2	148,858	1/2		1/2		1/2		1/2		1/2	
3/4	116,139	3/4	124,590	3/4	132,701	3/4	140,812	3/4	149,080	3/4		3/4		3/4		3/4		3/4	
4	116,380	4	124,759	4	132,870	4	140,980	4	149,301	4		4		4		4		4	
1/4	116,620	1/4	124,928	1/4	133,039	1/4	141,149	1/4	149,482	1/4		1/4		1/4		1/4		1/4	
1/2	116,861	1/2	125,097	1/2	133,208	1/2	141,318	1/2	149,664	1/2		1/2		1/2		1/2		1/2	
3/4	117,102	3/4	125,266	3/4	133,377	3/4	141,487	3/4	149,845	3/4		3/4		3/4		3/4		3/4	
5	117,342	5	125,435	5	133,546	5	141,656	5	150,026	5		5		5		5		5	
1/4	117,510	1/4	125,604	1/4	133,715	1/4	141,825	1/4	150,167	1/4		1/4		1/4		1/4		1/4	
1/2	117,678	1/2	125,773	1/2	133,884	1/2	141,994	1/2	150,308	1/2		1/2		1/2		1/2		1/2	
3/4	117,846	3/4	125,942	3/4	134,053	3/4	142,163	3/4	150,449	3/4		3/4		3/4		3/4		3/4	
6	118,014	6	126,111	6	134,222	6	142,332	6	150,590	6		6		6		6		6	
1/4	118,182	1/4	126,280	1/4	134,391	1/4	142,501	1/4	150,690	1/4		1/4		1/4		1/4		1/4	
1/2	118,351	1/2	126,449	1/2	134,560	1/2	142,670	1/2	150,791	1/2		1/2		1/2		1/2		1/2	
3/4	118,519	3/4	126,618	3/4	134,728	3/4	142,839	3/4	150,892	3/4		3/4		3/4		3/4		3/4	
7	118,687	7	126,787	7	134,897	7	143,008	7	150,992	7		7		7		7		7	
1/4	118,856	1/4	126,956	1/4	135,066	1/4	143,177	1/4	151,053	1/4		1/4		1/4		1/4		1/4	
1/2	119,024	1/2	127,125	1/2	135,235	1/2	143,346	1/2	151,113	1/2		1/2		1/2		1/2		1/2	
3/4	119,193	3/4	127,294	3/4	135,404	3/4	143,515	3/4	151,173	3/4		3/4		3/4		3/4		3/4	
8	119,361	8	127,463	8	135,573	8	143,684	8	151,234	8		8		8		8		8	
1/4	119,529	1/4	127,632	1/4	135,742	1/4	143,853	1/4	151,254	1/4		1/4		1/4		1/4		1/4	
1/2	119,698	1/2	127,801	1/2	135,911	1/2	144,022	1/2	151,274	1/2		1/2		1/2		1/2		1/2	
3/4	119,866	3/4	127,970	3/4	136,080	3/4	144,191	3/4		3/4		3/4		3/4		3/4		3/4	
9	120,035	9	128,139	9	136,249	9	144,360	9		9		9		9		9		9	
1/4	120,203	1/4	128,308	1/4	136,418	1/4	144,529	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120,371	1/2	128,476	1/2	136,587	1/2	144,698	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,540	3/4	128,645	3/4	136,756	3/4	144,867	3/4		3/4		3/4		3/4		3/4		3/4	
10	120,708	10	128,814	10	136,925	10	145,036	10		10		10		10		10		10	
1/4	120,877	1/4	128,983	1/4	137,094	1/4	145,205	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,045	1/2	129,152	1/2	137,263	1/2	145,374	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	121,213	3/4	129,321	3/4	137,432	3/4	145,543	3/4		3/4		3/4		3/4		3/4		3/4	
11	121,382	11	129,490	11	137,601	11	145,712	11		11		11		11		11		11	
1/4	121,550	1/4	129,659	1/4	137,770	1/4	145,881	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,719	1/2	129,828	1/2	137,939	1/2	146,050	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	121,887	3/4	129,997	3/4	138,108	3/4	146,219	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/02/2018 SW  
CALCULATED: 05/02/2018 CL  
PRINTED: 05/02/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2018

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



# BARGE "CBC 1402"

## 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	10,075	0	23,520	0	36,803	0	50,086	0	63,532	0	76,978	0	90,424	0	103,870	0	117,316
1/4	63	1/4	10,355	1/4	23,800	1/4	37,075	1/4	50,366	1/4	63,812	1/4	77,258	1/4	90,704	1/4	104,150	1/4	117,597
1/2	86	1/2	10,635	1/2	24,081	1/2	37,347	1/2	50,646	1/2	64,092	1/2	77,538	1/2	90,985	1/2	104,431	1/2	117,877
3/4	109	3/4	10,915	3/4	24,361	3/4	37,619	3/4	50,926	3/4	64,372	3/4	77,819	3/4	91,265	3/4	104,711	3/4	118,157
1	133	1	11,195	1	24,641	1	37,891	1	51,207	1	64,653	1	78,099	1	91,545	1	104,991	1	118,437
1/4	203	1/4	11,475	1/4	24,921	1/4	38,162	1/4	51,487	1/4	64,933	1/4	78,379	1/4	91,825	1/4	105,271	1/4	118,717
1/2	273	1/2	11,755	1/2	25,201	1/2	38,434	1/2	51,767	1/2	65,213	1/2	78,659	1/2	92,105	1/2	105,551	1/2	118,997
3/4	343	3/4	12,035	3/4	25,481	3/4	38,706	3/4	52,047	3/4	65,493	3/4	78,939	3/4	92,385	3/4	105,831	3/4	119,277
2	413	2	12,316	2	25,761	2	38,978	2	52,327	2	65,773	2	79,219	2	92,665	2	106,111	2	119,557
1/4	530	1/4	12,596	1/4	26,041	1/4	39,250	1/4	52,607	1/4	66,053	1/4	79,499	1/4	92,945	1/4	106,391	1/4	119,838
1/2	646	1/2	12,876	1/2	26,321	1/2	39,522	1/2	52,887	1/2	66,333	1/2	79,779	1/2	93,226	1/2	106,672	1/2	120,118
3/4	763	3/4	13,156	3/4	26,602	3/4	39,794	3/4	53,167	3/4	66,613	3/4	80,060	3/4	93,506	3/4	106,952	3/4	120,398
3	880	3	13,436	3	26,882	3	40,066	3	53,448	3	66,894	3	80,340	3	93,786	3	107,232	3	120,678
1/4	1,043	1/4	13,716	1/4	27,162	1/4	40,338	1/4	53,728	1/4	67,174	1/4	80,620	1/4	94,066	1/4	107,512	1/4	120,958
1/2	1,206	1/2	13,996	1/2	27,442	1/2	40,610	1/2	54,008	1/2	67,454	1/2	80,900	1/2	94,346	1/2	107,792	1/2	121,238
3/4	1,370	3/4	14,276	3/4	27,722	3/4	40,881	3/4	54,288	3/4	67,734	3/4	81,180	3/4	94,626	3/4	108,072	3/4	121,518
4	1,533	4	14,557	4	28,002	4	41,153	4	54,568	4	68,014	4	81,460	4	94,906	4	108,352	4	121,798
1/4	1,743	1/4	14,837	1/4	28,282	1/4	41,426	1/4	54,848	1/4	68,294	1/4	81,740	1/4	95,186	1/4	108,633	1/4	122,079
1/2	1,953	1/2	15,117	1/2	28,562	1/2	41,698	1/2	55,128	1/2	68,574	1/2	82,020	1/2	95,467	1/2	108,913	1/2	122,359
3/4	2,164	3/4	15,397	3/4	28,843	3/4	41,970	3/4	55,408	3/4	68,855	3/4	82,301	3/4	95,747	3/4	109,193	3/4	122,639
5	2,374	5	15,677	5	29,123	5	42,242	5	55,689	5	69,135	5	82,581	5	96,027	5	109,473	5	122,919
1/4	2,630	1/4	15,957	1/4	29,403	1/4	42,523	1/4	55,969	1/4	69,415	1/4	82,861	1/4	96,307	1/4	109,753	1/4	123,199
1/2	2,886	1/2	16,237	1/2	29,683	1/2	42,803	1/2	56,249	1/2	69,695	1/2	83,141	1/2	96,587	1/2	110,033	1/2	123,479
3/4	3,142	3/4	16,517	3/4	29,963	3/4	43,083	3/4	56,529	3/4	69,975	3/4	83,421	3/4	96,867	3/4	110,313	3/4	123,759
6	3,398	6	16,797	6	30,243	6	43,363	6	56,809	6	70,255	6	83,701	6	97,147	6	110,593	6	124,039
1/4	3,672	1/4	17,078	1/4	30,523	1/4	43,643	1/4	57,089	1/4	70,535	1/4	83,981	1/4	97,427	1/4	110,874	1/4	124,320
1/2	3,947	1/2	17,358	1/2	30,803	1/2	43,923	1/2	57,369	1/2	70,815	1/2	84,261	1/2	97,708	1/2	111,154	1/2	124,600
3/4	4,221	3/4	17,638	3/4	31,083	3/4	44,203	3/4	57,649	3/4	71,096	3/4	84,542	3/4	97,988	3/4	111,434	3/4	124,880
7	4,496	7	17,918	7	31,364	7	44,483	7	57,930	7	71,376	7	84,822	7	98,268	7	111,714	7	125,160
1/4	4,773	1/4	18,198	1/4	31,636	1/4	44,764	1/4	58,210	1/4	71,656	1/4	85,102	1/4	98,548	1/4	111,994	1/4	125,440
1/2	5,050	1/2	18,478	1/2	31,908	1/2	45,044	1/2	58,490	1/2	71,936	1/2	85,382	1/2	98,828	1/2	112,274	1/2	125,720
3/4	5,327	3/4	18,758	3/4	32,180	3/4	45,324	3/4	58,770	3/4	72,216	3/4	85,662	3/4	99,108	3/4	112,554	3/4	126,000
8	5,604	8	19,038	8	32,453	8	45,604	8	59,050	8	72,496	8	85,942	8	99,388	8	112,834	8	126,280
1/4	5,882	1/4	19,319	1/4	32,724	1/4	45,884	1/4	59,330	1/4	72,776	1/4	86,222	1/4	99,668	1/4	113,115	1/4	126,561
1/2	6,161	1/2	19,599	1/2	32,996	1/2	46,164	1/2	59,610	1/2	73,056	1/2	86,502	1/2	99,949	1/2	113,395	1/2	126,841
3/4	6,439	3/4	19,879	3/4	33,268	3/4	46,444	3/4	59,890	3/4	73,337	3/4	86,783	3/4	100,229	3/4	113,675	3/4	127,121
9	6,717	9	20,159	9	33,540	9	46,724	9	60,171	9	73,617	9	87,063	9	100,509	9	113,955	9	127,401
1/4	6,997	1/4	20,439	1/4	33,812	1/4	47,005	1/4	60,451	1/4	73,897	1/4	87,343	1/4	100,789	1/4	114,235	1/4	127,681
1/2	7,276	1/2	20,719	1/2	34,084	1/2	47,285	1/2	60,731	1/2	74,177	1/2	87,623	1/2	101,069	1/2	114,515	1/2	127,961
3/4	7,555	3/4	20,999	3/4	34,356	3/4	47,565	3/4	61,011	3/4	74,457	3/4	87,903	3/4	101,349	3/4	114,795	3/4	128,241
10	7,835	10	21,279	10	34,628	10	47,845	10	61,291	10	74,737	10	88,183	10	101,629	10	115,075	10	128,521
1/4	8,115	1/4	21,559	1/4	34,900	1/4	48,125	1/4	61,571	1/4	75,017	1/4	88,463	1/4	101,909	1/4	115,356	1/4	128,802
1/2	8,395	1/2	21,840	1/2	35,172	1/2	48,405	1/2	61,851	1/2	75,297	1/2	88,744	1/2	102,190	1/2	115,636	1/2	129,082
3/4	8,674	3/4	22,120	3/4	35,443	3/4	48,685	3/4	62,131	3/4	75,578	3/4	89,024	3/4	102,470	3/4	115,916	3/4	129,362
11	8,954	11	22,400	11	35,715	11	48,966	11	62,412	11	75,858	11	89,304	11	102,750	11	116,196	11	129,642
1/4	9,234	1/4	22,680	1/4	35,987	1/4	49,246	1/4	62,692	1/4	76,138	1/4	89,584	1/4	103,030	1/4	116,476	1/4	129,922
1/2	9,514	1/2	22,960	1/2	36,259	1/2	49,526	1/2	62,972	1/2	76,418	1/2	89,864	1/2	103,310	1/2	116,756	1/2	130,202
3/4	9,795	3/4	23,240	3/4	36,531	3/4	49,806	3/4	63,252	3/4	76,698	3/4	90,144	3/4	103,590	3/4	117,036	3/4	130,482

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.  
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 36'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "CBC 1402"

## 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	130,763	0	144,209	0	157,655	0	171,101	0	184,547	0		0		0		0		0	
1/4	131,043	1/4	144,489	1/4	157,935	1/4	171,381	1/4	184,827	1/4		1/4		1/4		1/4		1/4	
1/2	131,323	1/2	144,769	1/2	158,215	1/2	171,661	1/2	185,107	1/2		1/2		1/2		1/2		1/2	
3/4	131,603	3/4	145,049	3/4	158,495	3/4	171,941	3/4	185,387	3/4		3/4		3/4		3/4		3/4	
1	131,883	1	145,329	1	158,775	1	172,221	1	185,667	1		1		1		1		1	
1/4	132,163	1/4	145,609	1/4	159,055	1/4	172,501	1/4	185,948	1/4		1/4		1/4		1/4		1/4	
1/2	132,443	1/2	145,889	1/2	159,335	1/2	172,782	1/2	186,228	1/2		1/2		1/2		1/2		1/2	
3/4	132,723	3/4	146,170	3/4	159,616	3/4	173,062	3/4	186,508	3/4		3/4		3/4		3/4		3/4	
2	133,004	2	146,450	2	159,896	2	173,342	2	186,788	2		2		2		2		2	
1/4	133,284	1/4	146,730	1/4	160,176	1/4	173,622	1/4	187,068	1/4		1/4		1/4		1/4		1/4	
1/2	133,564	1/2	147,010	1/2	160,456	1/2	173,902	1/2	187,348	1/2		1/2		1/2		1/2		1/2	
3/4	133,844	3/4	147,290	3/4	160,736	3/4	174,182	3/4	187,628	3/4		3/4		3/4		3/4		3/4	
3	134,124	3	147,570	3	161,016	3	174,462	3	187,908	3		3		3		3		3	
1/4	134,404	1/4	147,850	1/4	161,296	1/4	174,742	1/4	188,165	1/4		1/4		1/4		1/4		1/4	
1/2	134,684	1/2	148,130	1/2	161,576	1/2	175,023	1/2	188,422	1/2		1/2		1/2		1/2		1/2	
3/4	134,964	3/4	148,411	3/4	161,857	3/4	175,303	3/4	188,679	3/4		3/4		3/4		3/4		3/4	
4	135,245	4	148,691	4	162,137	4	175,583	4	188,935	4		4		4		4		4	
1/4	135,525	1/4	148,971	1/4	162,417	1/4	175,863	1/4	189,146	1/4		1/4		1/4		1/4		1/4	
1/2	135,805	1/2	149,251	1/2	162,697	1/2	176,143	1/2	189,356	1/2		1/2		1/2		1/2		1/2	
3/4	136,085	3/4	149,531	3/4	162,977	3/4	176,423	3/4	189,566	3/4		3/4		3/4		3/4		3/4	
5	136,365	5	149,811	5	163,257	5	176,703	5	189,776	5		5		5		5		5	
1/4	136,645	1/4	150,091	1/4	163,537	1/4	176,983	1/4	189,939	1/4		1/4		1/4		1/4		1/4	
1/2	136,925	1/2	150,371	1/2	163,817	1/2	177,264	1/2	190,103	1/2		1/2		1/2		1/2		1/2	
3/4	137,205	3/4	150,652	3/4	164,098	3/4	177,544	3/4	190,266	3/4		3/4		3/4		3/4		3/4	
6	137,486	6	150,932	6	164,378	6	177,824	6	190,429	6		6		6		6		6	
1/4	137,766	1/4	151,212	1/4	164,658	1/4	178,104	1/4	190,546	1/4		1/4		1/4		1/4		1/4	
1/2	138,046	1/2	151,492	1/2	164,938	1/2	178,384	1/2	190,663	1/2		1/2		1/2		1/2		1/2	
3/4	138,326	3/4	151,772	3/4	165,218	3/4	178,664	3/4	190,780	3/4		3/4		3/4		3/4		3/4	
7	138,606	7	152,052	7	165,498	7	178,944	7	190,896	7		7		7		7		7	
1/4	138,886	1/4	152,332	1/4	165,778	1/4	179,224	1/4	190,966	1/4		1/4		1/4		1/4		1/4	
1/2	139,166	1/2	152,612	1/2	166,059	1/2	179,505	1/2	191,036	1/2		1/2		1/2		1/2		1/2	
3/4	139,446	3/4	152,893	3/4	166,339	3/4	179,785	3/4	191,106	3/4		3/4		3/4		3/4		3/4	
8	139,727	8	153,173	8	166,619	8	180,065	8	191,176	8		8		8		8		8	
1/4	140,007	1/4	153,453	1/4	166,899	1/4	180,345	1/4	191,200	1/4		1/4		1/4		1/4		1/4	
1/2	140,287	1/2	153,733	1/2	167,179	1/2	180,625	1/2	191,223	1/2		1/2		1/2		1/2		1/2	
3/4	140,567	3/4	154,013	3/4	167,459	3/4	180,905	3/4		3/4		3/4		3/4		3/4		3/4	
9	140,847	9	154,293	9	167,739	9	181,185	9		9		9		9		9		9	
1/4	141,127	1/4	154,573	1/4	168,019	1/4	181,465	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	141,407	1/2	154,853	1/2	168,300	1/2	181,746	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	141,687	3/4	155,134	3/4	168,580	3/4	182,026	3/4		3/4		3/4		3/4		3/4		3/4	
10	141,968	10	155,414	10	168,860	10	182,306	10		10		10		10		10		10	
1/4	142,248	1/4	155,694	1/4	169,140	1/4	182,586	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	142,528	1/2	155,974	1/2	169,420	1/2	182,866	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	142,808	3/4	156,254	3/4	169,700	3/4	183,146	3/4		3/4		3/4		3/4		3/4		3/4	
11	143,088	11	156,534	11	169,980	11	183,426	11		11		11		11		11		11	
1/4	143,368	1/4	156,814	1/4	170,260	1/4	183,706	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	143,648	1/2	157,094	1/2	170,541	1/2	183,987	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	143,928	3/4	157,375	3/4	170,821	3/4	184,267	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/02/2018 SW  
CALCULATED: 05/02/2018 CL  
PRINTED: 05/02/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2018

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



# BARGE "CBC 1402"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	40	0	9,018	0	21,048	0	33,064	0	45,083	0	57,113	0	69,143	0	81,174	0	93,204	0	105,234
1/4	60	1/4	9,269	1/4	21,299	1/4	33,314	1/4	45,333	1/4	57,364	1/4	69,394	1/4	81,424	1/4	93,455	1/4	105,485
1/2	81	1/2	9,519	1/2	21,549	1/2	33,564	1/2	45,584	1/2	57,614	1/2	69,645	1/2	81,675	1/2	93,705	1/2	105,736
3/4	102	3/4	9,770	3/4	21,800	3/4	33,813	3/4	45,834	3/4	57,865	3/4	69,895	3/4	81,926	3/4	93,956	3/4	105,986
1	123	1	10,021	1	22,051	1	34,063	1	46,085	1	58,115	1	70,146	1	82,176	1	94,207	1	106,237
1/4	186	1/4	10,271	1/4	22,301	1/4	34,313	1/4	46,336	1/4	58,366	1/4	70,396	1/4	82,427	1/4	94,457	1/4	106,488
1/2	248	1/2	10,522	1/2	22,552	1/2	34,563	1/2	46,586	1/2	58,617	1/2	70,647	1/2	82,677	1/2	94,708	1/2	106,738
3/4	311	3/4	10,773	3/4	22,802	3/4	34,813	3/4	46,837	3/4	58,867	3/4	70,898	3/4	82,928	3/4	94,958	3/4	106,989
2	374	2	11,023	2	23,053	2	35,063	2	47,088	2	59,118	2	71,148	2	83,179	2	95,209	2	107,239
1/4	478	1/4	11,274	1/4	23,304	1/4	35,313	1/4	47,338	1/4	59,369	1/4	71,399	1/4	83,429	1/4	95,460	1/4	107,490
1/2	583	1/2	11,524	1/2	23,554	1/2	35,563	1/2	47,589	1/2	59,619	1/2	71,650	1/2	83,680	1/2	95,710	1/2	107,741
3/4	687	3/4	11,775	3/4	23,805	3/4	35,813	3/4	47,840	3/4	59,870	3/4	71,900	3/4	83,931	3/4	95,961	3/4	107,991
3	791	3	12,026	3	24,056	3	36,063	3	48,090	3	60,121	3	72,151	3	84,181	3	96,212	3	108,242
1/4	938	1/4	12,276	1/4	24,306	1/4	36,313	1/4	48,341	1/4	60,371	1/4	72,402	1/4	84,432	1/4	96,462	1/4	108,493
1/2	1,084	1/2	12,527	1/2	24,557	1/2	36,562	1/2	48,591	1/2	60,622	1/2	72,652	1/2	84,683	1/2	96,713	1/2	108,743
3/4	1,230	3/4	12,778	3/4	24,807	3/4	36,812	3/4	48,842	3/4	60,872	3/4	72,903	3/4	84,933	3/4	96,963	3/4	108,994
4	1,376	4	13,028	4	25,058	4	37,062	4	49,093	4	61,123	4	73,153	4	85,184	4	97,214	4	109,244
1/4	1,564	1/4	13,279	1/4	25,309	1/4	37,313	1/4	49,343	1/4	61,374	1/4	73,404	1/4	85,434	1/4	97,465	1/4	109,495
1/2	1,752	1/2	13,529	1/2	25,559	1/2	37,564	1/2	49,594	1/2	61,624	1/2	73,655	1/2	85,685	1/2	97,715	1/2	109,746
3/4	1,940	3/4	13,780	3/4	25,810	3/4	37,814	3/4	49,845	3/4	61,875	3/4	73,905	3/4	85,936	3/4	97,966	3/4	109,996
5	2,128	5	14,031	5	26,061	5	38,065	5	50,095	5	62,126	5	74,156	5	86,186	5	98,217	5	110,247
1/4	2,357	1/4	14,281	1/4	26,311	1/4	38,315	1/4	50,346	1/4	62,376	1/4	74,407	1/4	86,437	1/4	98,467	1/4	110,498
1/2	2,586	1/2	14,532	1/2	26,562	1/2	38,566	1/2	50,596	1/2	62,627	1/2	74,657	1/2	86,688	1/2	98,718	1/2	110,748
3/4	2,815	3/4	14,783	3/4	26,812	3/4	38,817	3/4	50,847	3/4	62,877	3/4	74,908	3/4	86,938	3/4	98,969	3/4	110,999
6	3,044	6	15,033	6	27,063	6	39,067	6	51,098	6	63,128	6	75,158	6	87,189	6	99,219	6	111,250
1/4	3,290	1/4	15,284	1/4	27,313	1/4	39,318	1/4	51,348	1/4	63,379	1/4	75,409	1/4	87,439	1/4	99,470	1/4	111,500
1/2	3,536	1/2	15,534	1/2	27,564	1/2	39,569	1/2	51,599	1/2	63,629	1/2	75,660	1/2	87,690	1/2	99,720	1/2	111,751
3/4	3,781	3/4	15,785	3/4	27,814	3/4	39,819	3/4	51,850	3/4	63,880	3/4	75,910	3/4	87,941	3/4	99,971	3/4	112,001
7	4,027	7	16,036	7	28,064	7	40,070	7	52,100	7	64,131	7	76,161	7	88,191	7	100,222	7	112,252
1/4	4,275	1/4	16,286	1/4	28,314	1/4	40,321	1/4	52,351	1/4	64,381	1/4	76,412	1/4	88,442	1/4	100,472	1/4	112,503
1/2	4,522	1/2	16,537	1/2	28,565	1/2	40,571	1/2	52,602	1/2	64,632	1/2	76,662	1/2	88,693	1/2	100,723	1/2	112,753
3/4	4,770	3/4	16,787	3/4	28,815	3/4	40,822	3/4	52,852	3/4	64,883	3/4	76,913	3/4	88,943	3/4	100,974	3/4	113,004
8	5,018	8	17,038	8	29,065	8	41,072	8	53,103	8	65,133	8	77,164	8	89,194	8	101,224	8	113,255
1/4	5,267	1/4	17,289	1/4	29,315	1/4	41,323	1/4	53,353	1/4	65,384	1/4	77,414	1/4	89,445	1/4	101,475	1/4	113,505
1/2	5,516	1/2	17,539	1/2	29,565	1/2	41,574	1/2	53,604	1/2	65,634	1/2	77,665	1/2	89,695	1/2	101,726	1/2	113,756
3/4	5,765	3/4	17,790	3/4	29,815	3/4	41,824	3/4	53,855	3/4	65,885	3/4	77,915	3/4	89,946	3/4	101,976	3/4	114,007
9	6,015	9	18,041	9	30,065	9	42,075	9	54,105	9	66,136	9	78,166	9	90,196	9	102,227	9	114,257
1/4	6,264	1/4	18,291	1/4	30,315	1/4	42,326	1/4	54,356	1/4	66,386	1/4	78,417	1/4	90,447	1/4	102,477	1/4	114,508
1/2	6,514	1/2	18,542	1/2	30,565	1/2	42,576	1/2	54,607	1/2	66,637	1/2	78,667	1/2	90,698	1/2	102,728	1/2	114,758
3/4	6,764	3/4	18,792	3/4	30,815	3/4	42,827	3/4	54,857	3/4	66,888	3/4	78,918	3/4	90,948	3/4	102,979	3/4	115,009
10	7,014	10	19,043	10	31,064	10	43,077	10	55,108	10	67,138	10	79,169	10	91,199	10	103,229	10	115,260
1/4	7,265	1/4	19,294	1/4	31,314	1/4	43,328	1/4	55,358	1/4	67,389	1/4	79,419	1/4	91,450	1/4	103,480	1/4	115,510
1/2	7,515	1/2	19,544	1/2	31,564	1/2	43,579	1/2	55,609	1/2	67,639	1/2	79,670	1/2	91,700	1/2	103,731	1/2	115,761
3/4	7,765	3/4	19,795	3/4	31,814	3/4	43,829	3/4	55,860	3/4	67,890	3/4	79,920	3/4	91,951	3/4	103,981	3/4	116,012
11	8,016	11	20,046	11	32,064	11	44,080	11	56,110	11	68,141	11	80,171	11	92,201	11	104,232	11	116,262
1/4	8,266	1/4	20,296	1/4	32,314	1/4	44,331	1/4	56,361	1/4	68,391	1/4	80,422	1/4	92,452	1/4	104,482	1/4	116,513
1/2	8,517	1/2	20,547	1/2	32,564	1/2	44,581	1/2	56,612	1/2	68,642	1/2	80,672	1/2	92,703	1/2	104,733	1/2	116,763
3/4	8,768	3/4	20,797	3/4	32,814	3/4	44,832	3/4	56,862	3/4	68,893	3/4	80,923	3/4	92,953	3/4	104,984	3/4	117,014

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.  
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 29'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "CBC 1402"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	117,265	0	129,295	0	141,325	0	153,356	0	165,386	0		0		0		0		0	
1/4	117,515	1/4	129,546	1/4	141,576	1/4	153,606	1/4	165,637	1/4		1/4		1/4		1/4		1/4	
1/2	117,766	1/2	129,796	1/2	141,827	1/2	153,857	1/2	165,887	1/2		1/2		1/2		1/2		1/2	
3/4	118,017	3/4	130,047	3/4	142,077	3/4	154,108	3/4	166,138	3/4		3/4		3/4		3/4		3/4	
1	118,267	1	130,298	1	142,328	1	154,358	1	166,389	1		1		1		1		1	
1/4	118,518	1/4	130,548	1/4	142,579	1/4	154,609	1/4	166,639	1/4		1/4		1/4		1/4		1/4	
1/2	118,769	1/2	130,799	1/2	142,829	1/2	154,860	1/2	166,890	1/2		1/2		1/2		1/2		1/2	
3/4	119,019	3/4	131,050	3/4	143,080	3/4	155,110	3/4	167,141	3/4		3/4		3/4		3/4		3/4	
2	119,270	2	131,300	2	143,331	2	155,361	2	167,391	2		2		2		2		2	
1/4	119,520	1/4	131,551	1/4	143,581	1/4	155,612	1/4	167,642	1/4		1/4		1/4		1/4		1/4	
1/2	119,771	1/2	131,801	1/2	143,832	1/2	155,862	1/2	167,893	1/2		1/2		1/2		1/2		1/2	
3/4	120,022	3/4	132,052	3/4	144,082	3/4	156,113	3/4	168,143	3/4		3/4		3/4		3/4		3/4	
3	120,272	3	132,303	3	144,333	3	156,363	3	168,394	3		3		3		3		3	
1/4	120,523	1/4	132,553	1/4	144,584	1/4	156,614	1/4	168,624	1/4		1/4		1/4		1/4		1/4	
1/2	120,774	1/2	132,804	1/2	144,834	1/2	156,865	1/2	168,853	1/2		1/2		1/2		1/2		1/2	
3/4	121,024	3/4	133,055	3/4	145,085	3/4	157,115	3/4	169,083	3/4		3/4		3/4		3/4		3/4	
4	121,275	4	133,305	4	145,336	4	157,366	4	169,313	4		4		4		4		4	
1/4	121,525	1/4	133,556	1/4	145,586	1/4	157,617	1/4	169,501	1/4		1/4		1/4		1/4		1/4	
1/2	121,776	1/2	133,806	1/2	145,837	1/2	157,867	1/2	169,689	1/2		1/2		1/2		1/2		1/2	
3/4	122,027	3/4	134,057	3/4	146,087	3/4	158,118	3/4	169,877	3/4		3/4		3/4		3/4		3/4	
5	122,277	5	134,308	5	146,338	5	158,368	5	170,065	5		5		5		5		5	
1/4	122,528	1/4	134,558	1/4	146,589	1/4	158,619	1/4	170,211	1/4		1/4		1/4		1/4		1/4	
1/2	122,779	1/2	134,809	1/2	146,839	1/2	158,870	1/2	170,357	1/2		1/2		1/2		1/2		1/2	
3/4	123,029	3/4	135,060	3/4	147,090	3/4	159,120	3/4	170,503	3/4		3/4		3/4		3/4		3/4	
6	123,280	6	135,310	6	147,341	6	159,371	6	170,649	6		6		6		6		6	
1/4	123,531	1/4	135,561	1/4	147,591	1/4	159,622	1/4	170,754	1/4		1/4		1/4		1/4		1/4	
1/2	123,781	1/2	135,812	1/2	147,842	1/2	159,872	1/2	170,858	1/2		1/2		1/2		1/2		1/2	
3/4	124,032	3/4	136,062	3/4	148,093	3/4	160,123	3/4	170,963	3/4		3/4		3/4		3/4		3/4	
7	124,282	7	136,313	7	148,343	7	160,374	7	171,067	7		7		7		7		7	
1/4	124,533	1/4	136,563	1/4	148,594	1/4	160,624	1/4	171,130	1/4		1/4		1/4		1/4		1/4	
1/2	124,784	1/2	136,814	1/2	148,844	1/2	160,875	1/2	171,192	1/2		1/2		1/2		1/2		1/2	
3/4	125,034	3/4	137,065	3/4	149,095	3/4	161,125	3/4	171,255	3/4		3/4		3/4		3/4		3/4	
8	125,285	8	137,315	8	149,346	8	161,376	8	171,318	8		8		8		8		8	
1/4	125,536	1/4	137,566	1/4	149,596	1/4	161,627	1/4	171,339	1/4		1/4		1/4		1/4		1/4	
1/2	125,786	1/2	137,817	1/2	149,847	1/2	161,877	1/2	171,360	1/2		1/2		1/2		1/2		1/2	
3/4	126,037	3/4	138,067	3/4	150,098	3/4	162,128	3/4		3/4		3/4		3/4		3/4		3/4	
9	126,288	9	138,318	9	150,348	9	162,379	9		9		9		9		9		9	
1/4	126,538	1/4	138,569	1/4	150,599	1/4	162,629	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,789	1/2	138,819	1/2	150,850	1/2	162,880	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,039	3/4	139,070	3/4	151,100	3/4	163,131	3/4		3/4		3/4		3/4		3/4		3/4	
10	127,290	10	139,320	10	151,351	10	163,381	10		10		10		10		10		10	
1/4	127,541	1/4	139,571	1/4	151,601	1/4	163,632	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,791	1/2	139,822	1/2	151,852	1/2	163,882	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,042	3/4	140,072	3/4	152,103	3/4	164,133	3/4		3/4		3/4		3/4		3/4		3/4	
11	128,293	11	140,323	11	152,353	11	164,384	11		11		11		11		11		11	
1/4	128,543	1/4	140,574	1/4	152,604	1/4	164,634	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,794	1/2	140,824	1/2	152,855	1/2	164,885	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	129,044	3/4	141,075	3/4	153,105	3/4	165,136	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/02/2018 SW  
CALCULATED: 05/02/2018 CL  
PRINTED: 05/02/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2018

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



# BARGE "CBC 1402"

## ULLAGE 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	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-3/8	01-3/8	- 01-5/8	01-5/8
2 CENTER	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-1/4	- 01-1/4
3 CENTER	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

**EXAMPLE FOR ABOVE TRIM CORRECTIONS:**

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS 00-1/2"  
 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"

May 2, 2018

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

<http://www.pmacorp.net>



# BARGE "CBC 1402"

## 1 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	144,191	0	136,080	0	127,970	0	119,866	0	109,397	0	97,824	0	86,251
1/4		1/4		1/4	151,274	1/4	144,022	1/4	135,911	1/4	127,801	1/4	119,698	1/4	109,156	1/4	97,583	1/4	86,010
1/2		1/2		1/2	151,254	1/2	143,853	1/2	135,742	1/2	127,632	1/2	119,529	1/2	108,915	1/2	97,342	1/2	85,769
3/4		3/4		3/4	151,234	3/4	143,684	3/4	135,573	3/4	127,463	3/4	119,361	3/4	108,674	3/4	97,101	3/4	85,528
1		1		1	151,173	1	143,515	1	135,404	1	127,294	1	119,193	1	108,433	1	96,860	1	85,287
1/4		1/4		1/4	151,113	1/4	143,346	1/4	135,235	1/4	127,125	1/4	119,024	1/4	108,191	1/4	96,619	1/4	85,046
1/2		1/2		1/2	151,053	1/2	143,177	1/2	135,066	1/2	126,956	1/2	118,856	1/2	107,950	1/2	96,378	1/2	84,805
3/4		3/4		3/4	150,992	3/4	143,008	3/4	134,897	3/4	126,787	3/4	118,687	3/4	107,709	3/4	96,137	3/4	84,564
2		2		2	150,892	2	142,839	2	134,728	2	126,618	2	118,519	2	107,468	2	95,895	2	84,322
1/4		1/4		1/4	150,791	1/4	142,670	1/4	134,560	1/4	126,449	1/4	118,351	1/4	107,227	1/4	95,654	1/4	84,081
1/2		1/2		1/2	150,690	1/2	142,501	1/2	134,391	1/2	126,280	1/2	118,182	1/2	106,986	1/2	95,413	1/2	83,840
3/4		3/4		3/4	150,590	3/4	142,332	3/4	134,222	3/4	126,111	3/4	118,014	3/4	106,745	3/4	95,172	3/4	83,599
3		3		3	150,449	3	142,163	3	134,053	3	125,942	3	117,846	3	106,504	3	94,931	3	83,358
1/4		1/4		1/4	150,308	1/4	141,994	1/4	133,884	1/4	125,773	1/4	117,678	1/4	106,263	1/4	94,690	1/4	83,117
1/2		1/2		1/2	150,167	1/2	141,825	1/2	133,715	1/2	125,604	1/2	117,510	1/2	106,022	1/2	94,449	1/2	82,876
3/4		3/4		3/4	150,026	3/4	141,656	3/4	133,546	3/4	125,435	3/4	117,342	3/4	105,781	3/4	94,208	3/4	82,635
4		4		4	149,845	4	141,487	4	133,377	4	125,266	4	117,102	4	105,539	4	93,967	4	82,394
1/4		1/4		1/4	149,664	1/4	141,318	1/4	133,208	1/4	125,097	1/4	116,861	1/4	105,298	1/4	93,726	1/4	82,154
1/2		1/2		1/2	149,482	1/2	141,149	1/2	133,039	1/2	124,928	1/2	116,620	1/2	105,057	1/2	93,484	1/2	81,914
3/4		3/4		3/4	149,301	3/4	140,980	3/4	132,870	3/4	124,759	3/4	116,380	3/4	104,816	3/4	93,243	3/4	81,673
5		5		5	149,080	5	140,812	5	132,701	5	124,590	5	116,139	5	104,575	5	93,002	5	81,434
1/4		1/4		1/4	148,858	1/4	140,643	1/4	132,532	1/4	124,421	1/4	115,899	1/4	104,334	1/4	92,761	1/4	81,194
1/2		1/2		1/2	148,637	1/2	140,474	1/2	132,363	1/2	124,252	1/2	115,658	1/2	104,093	1/2	92,520	1/2	80,954
3/4		3/4		3/4	148,415	3/4	140,305	3/4	132,194	3/4	124,083	3/4	115,418	3/4	103,852	3/4	92,279	3/4	80,715
6		6		6	148,246	6	140,136	6	132,025	6	123,914	6	115,177	6	103,611	6	92,038	6	80,475
1/4		1/4		1/4	148,077	1/4	139,967	1/4	131,856	1/4	123,745	1/4	114,937	1/4	103,370	1/4	91,797	1/4	80,235
1/2		1/2		1/2	147,908	1/2	139,798	1/2	131,687	1/2	123,576	1/2	114,696	1/2	103,128	1/2	91,556	1/2	79,996
3/4		3/4		3/4	147,739	3/4	139,629	3/4	131,518	3/4	123,407	3/4	114,456	3/4	102,887	3/4	91,315	3/4	79,756
7		7		7	147,570	7	139,460	7	131,349	7	123,238	7	114,215	7	102,646	7	91,073	7	79,516
1/4		1/4		1/4	147,401	1/4	139,291	1/4	131,180	1/4	123,069	1/4	113,975	1/4	102,405	1/4	90,832	1/4	79,277
1/2		1/2		1/2	147,232	1/2	139,122	1/2	131,011	1/2	122,900	1/2	113,734	1/2	102,164	1/2	90,591	1/2	79,037
3/4		3/4		3/4	147,063	3/4	138,953	3/4	130,842	3/4	122,731	3/4	113,493	3/4	101,923	3/4	90,350	3/4	78,797
8		8		8	146,895	8	138,784	8	130,673	8	122,562	8	113,253	8	101,682	8	90,109	8	78,558
1/4		1/4		1/4	146,726	1/4	138,615	1/4	130,504	1/4	122,393	1/4	113,012	1/4	101,441	1/4	89,868	1/4	78,318
1/2		1/2		1/2	146,557	1/2	138,446	1/2	130,335	1/2	122,224	1/2	112,772	1/2	101,200	1/2	89,627	1/2	78,078
3/4		3/4		3/4	146,388	3/4	138,277	3/4	130,166	3/4	122,056	3/4	112,531	3/4	100,959	3/4	89,386	3/4	77,839
9		9		9	146,219	9	138,108	9	129,997	9	121,887	9	112,290	9	100,717	9	89,145	9	77,599
1/4		1/4		1/4	146,050	1/4	137,939	1/4	129,828	1/4	121,719	1/4	112,049	1/4	100,476	1/4	88,904	1/4	77,359
1/2		1/2		1/2	145,881	1/2	137,770	1/2	129,659	1/2	121,550	1/2	111,808	1/2	100,235	1/2	88,662	1/2	77,120
3/4		3/4		3/4	145,712	3/4	137,601	3/4	129,490	3/4	121,382	3/4	111,567	3/4	99,994	3/4	88,421	3/4	76,880
10		10		10	145,543	10	137,432	10	129,321	10	121,213	10	111,326	10	99,753	10	88,180	10	76,640
1/4		1/4		1/4	145,374	1/4	137,263	1/4	129,152	1/4	121,045	1/4	111,085	1/4	99,512	1/4	87,939	1/4	76,401
1/2		1/2		1/2	145,205	1/2	137,094	1/2	128,983	1/2	120,877	1/2	110,844	1/2	99,271	1/2	87,698	1/2	76,161
3/4		3/4		3/4	145,036	3/4	136,925	3/4	128,814	3/4	120,708	3/4	110,602	3/4	99,030	3/4	87,457	3/4	75,922
11		11		11	144,867	11	136,756	11	128,645	11	120,540	11	110,361	11	98,789	11	87,216	11	75,682
1/4		1/4		1/4	144,698	1/4	136,587	1/4	128,476	1/4	120,371	1/4	110,120	1/4	98,548	1/4	86,975	1/4	75,442
1/2		1/2		1/2	144,529	1/2	136,418	1/2	128,308	1/2	120,203	1/2	109,879	1/2	98,306	1/2	86,734	1/2	75,203
3/4		3/4		3/4	144,360	3/4	136,249	3/4	128,139	3/4	120,035	3/4	109,638	3/4	98,065	3/4	86,492	3/4	74,963

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 1402"

## 1 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	74,722	0	63,161	0	51,592	0	40,024	0	28,663	0	17,149	0	5,558	0		0		0	
1/4	74,482	1/4	62,920	1/4	51,351	1/4	39,783	1/4	28,430	1/4	16,908	1/4	5,318	1/4		1/4		1/4	
1/2	74,242	1/2	62,679	1/2	51,110	1/2	39,542	1/2	28,196	1/2	16,666	1/2	5,078	1/2		1/2		1/2	
3/4	74,001	3/4	62,438	3/4	50,869	3/4	39,301	3/4	27,962	3/4	16,425	3/4	4,838	3/4		3/4		3/4	
1	73,761	1	62,197	1	50,628	1	39,060	1	27,728	1	16,183	1	4,599	1		1		1	
1/4	73,520	1/4	61,956	1/4	50,387	1/4	38,819	1/4	27,493	1/4	15,941	1/4	4,360	1/4		1/4		1/4	
1/2	73,280	1/2	61,715	1/2	50,146	1/2	38,578	1/2	27,259	1/2	15,700	1/2	4,121	1/2		1/2		1/2	
3/4	73,040	3/4	61,474	3/4	49,905	3/4	38,337	3/4	27,025	3/4	15,458	3/4	3,882	3/4		3/4		3/4	
2	72,799	2	61,233	2	49,664	2	38,096	2	26,791	2	15,217	2	3,646	2		2		2	
1/4	72,559	1/4	60,992	1/4	49,423	1/4	37,855	1/4	26,557	1/4	14,975	1/4	3,409	1/4		1/4		1/4	
1/2	72,318	1/2	60,751	1/2	49,182	1/2	37,614	1/2	26,322	1/2	14,734	1/2	3,172	1/2		1/2		1/2	
3/4	72,078	3/4	60,510	3/4	48,941	3/4	37,373	3/4	26,088	3/4	14,492	3/4	2,935	3/4		3/4		3/4	
3	71,837	3	60,269	3	48,700	3	37,132	3	25,847	3	14,250	3	2,715	3		3		3	
1/4	71,596	1/4	60,028	1/4	48,459	1/4	36,891	1/4	25,605	1/4	14,009	1/4	2,494	1/4		1/4		1/4	
1/2	71,355	1/2	59,787	1/2	48,218	1/2	36,650	1/2	25,363	1/2	13,767	1/2	2,273	1/2		1/2		1/2	
3/4	71,114	3/4	59,546	3/4	47,977	3/4	36,409	3/4	25,122	3/4	13,526	3/4	2,052	3/4		3/4		3/4	
4	70,873	4	59,305	4	47,736	4	36,168	4	24,880	4	13,284	4	1,871	4		4		4	
1/4	70,632	1/4	59,064	1/4	47,495	1/4	35,927	1/4	24,639	1/4	13,042	1/4	1,690	1/4		1/4		1/4	
1/2	70,391	1/2	58,823	1/2	47,254	1/2	35,686	1/2	24,397	1/2	12,801	1/2	1,509	1/2		1/2		1/2	
3/4	70,150	3/4	58,582	3/4	47,013	3/4	35,445	3/4	24,155	3/4	12,559	3/4	1,328	3/4		3/4		3/4	
5	69,909	5	58,341	5	46,772	5	35,211	5	23,914	5	12,318	5	1,187	5		5		5	
1/4	69,668	1/4	58,099	1/4	46,531	1/4	34,977	1/4	23,672	1/4	12,076	1/4	1,046	1/4		1/4		1/4	
1/2	69,427	1/2	57,858	1/2	46,290	1/2	34,743	1/2	23,431	1/2	11,834	1/2	905	1/2		1/2		1/2	
3/4	69,186	3/4	57,617	3/4	46,049	3/4	34,510	3/4	23,189	3/4	11,593	3/4	764	3/4		3/4		3/4	
6	68,945	6	57,376	6	45,808	6	34,276	6	22,947	6	11,351	6	663	6		6		6	
1/4	68,704	1/4	57,135	1/4	45,567	1/4	34,042	1/4	22,706	1/4	11,110	1/4	563	1/4		1/4		1/4	
1/2	68,463	1/2	56,894	1/2	45,326	1/2	33,808	1/2	22,464	1/2	10,868	1/2	462	1/2		1/2		1/2	
3/4	68,222	3/4	56,653	3/4	45,085	3/4	33,574	3/4	22,223	3/4	10,627	3/4	361	3/4		3/4		3/4	
7	67,981	7	56,412	7	44,844	7	33,340	7	21,981	7	10,385	7	301	7		7		7	
1/4	67,740	1/4	56,171	1/4	44,603	1/4	33,107	1/4	21,740	1/4	10,143	1/4	241	1/4		1/4		1/4	
1/2	67,499	1/2	55,930	1/2	44,362	1/2	32,873	1/2	21,498	1/2	9,902	1/2	180	1/2		1/2		1/2	
3/4	67,258	3/4	55,689	3/4	44,121	3/4	32,639	3/4	21,256	3/4	9,660	3/4	120	3/4		3/4		3/4	
8	67,017	8	55,448	8	43,880	8	32,405	8	21,015	8	9,419	8	100	8		8		8	
1/4	66,776	1/4	55,207	1/4	43,639	1/4	32,171	1/4	20,773	1/4	9,177	1/4	80	1/4		1/4		1/4	
1/2	66,535	1/2	54,966	1/2	43,398	1/2	31,937	1/2	20,532	1/2	8,935	1/2	59	1/2		1/2		1/2	
3/4	66,294	3/4	54,725	3/4	43,157	3/4	31,703	3/4	20,290	3/4	8,694	3/4	39	3/4		3/4		3/4	
9	66,053	9	54,484	9	42,916	9	31,470	9	20,048	9	8,452	9		9		9		9	
1/4	65,812	1/4	54,243	1/4	42,675	1/4	31,236	1/4	19,807	1/4	8,211	1/4		1/4		1/4		1/4	
1/2	65,571	1/2	54,002	1/2	42,434	1/2	31,002	1/2	19,565	1/2	7,969	1/2		1/2		1/2		1/2	
3/4	65,330	3/4	53,761	3/4	42,193	3/4	30,768	3/4	19,324	3/4	7,728	3/4		3/4		3/4		3/4	
10	65,089	10	53,520	10	41,952	10	30,534	10	19,082	10	7,486	10		10		10		10	
1/4	64,848	1/4	53,279	1/4	41,711	1/4	30,300	1/4	18,841	1/4	7,245	1/4		1/4		1/4		1/4	
1/2	64,607	1/2	53,038	1/2	41,470	1/2	30,067	1/2	18,599	1/2	7,003	1/2		1/2		1/2		1/2	
3/4	64,366	3/4	52,797	3/4	41,229	3/4	29,833	3/4	18,357	3/4	6,762	3/4		3/4		3/4		3/4	
11	64,125	11	52,556	11	40,988	11	29,599	11	18,116	11	6,521	11		11		11		11	
1/4	63,884	1/4	52,315	1/4	40,747	1/4	29,365	1/4	17,874	1/4	6,280	1/4		1/4		1/4		1/4	
1/2	63,643	1/2	52,074	1/2	40,506	1/2	29,131	1/2	17,633	1/2	6,039	1/2		1/2		1/2		1/2	
3/4	63,402	3/4	51,833	3/4	40,265	3/4	28,897	3/4	17,391	3/4	5,798	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/02/2018 SW  
CALCULATED: 05/02/2018 CL  
PRINTED: 05/02/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2018

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



# BARGE "CBC 1402"

## 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	180,905	0	167,459	0	154,013	0	140,567	0	127,121	0	113,675	0	100,229
1/4		1/4		1/4	191,223	1/4	180,625	1/4	167,179	1/4	153,733	1/4	140,287	1/4	126,841	1/4	113,395	1/4	99,949
1/2		1/2		1/2	191,200	1/2	180,345	1/2	166,899	1/2	153,453	1/2	140,007	1/2	126,561	1/2	113,115	1/2	99,668
3/4		3/4		3/4	191,176	3/4	180,065	3/4	166,619	3/4	153,173	3/4	139,727	3/4	126,280	3/4	112,834	3/4	99,388
1		1		1	191,106	1	179,785	1	166,339	1	152,893	1	139,446	1	126,000	1	112,554	1	99,108
1/4		1/4		1/4	191,036	1/4	179,505	1/4	166,059	1/4	152,612	1/4	139,166	1/4	125,720	1/4	112,274	1/4	98,828
1/2		1/2		1/2	190,966	1/2	179,224	1/2	165,778	1/2	152,332	1/2	138,886	1/2	125,440	1/2	111,994	1/2	98,548
3/4		3/4		3/4	190,896	3/4	178,944	3/4	165,498	3/4	152,052	3/4	138,606	3/4	125,160	3/4	111,714	3/4	98,268
2		2		2	190,780	2	178,664	2	165,218	2	151,772	2	138,326	2	124,880	2	111,434	2	97,988
1/4		1/4		1/4	190,663	1/4	178,384	1/4	164,938	1/4	151,492	1/4	138,046	1/4	124,600	1/4	111,154	1/4	97,708
1/2		1/2		1/2	190,546	1/2	178,104	1/2	164,658	1/2	151,212	1/2	137,766	1/2	124,320	1/2	110,874	1/2	97,427
3/4		3/4		3/4	190,429	3/4	177,824	3/4	164,378	3/4	150,932	3/4	137,486	3/4	124,039	3/4	110,593	3/4	97,147
3		3		3	190,266	3	177,544	3	164,098	3	150,652	3	137,205	3	123,759	3	110,313	3	96,867
1/4		1/4		1/4	190,103	1/4	177,264	1/4	163,817	1/4	150,371	1/4	136,925	1/4	123,479	1/4	110,033	1/4	96,587
1/2		1/2		1/2	189,939	1/2	176,983	1/2	163,537	1/2	150,091	1/2	136,645	1/2	123,199	1/2	109,753	1/2	96,307
3/4		3/4		3/4	189,776	3/4	176,703	3/4	163,257	3/4	149,811	3/4	136,365	3/4	122,919	3/4	109,473	3/4	96,027
4		4		4	189,566	4	176,423	4	162,977	4	149,531	4	136,085	4	122,639	4	109,193	4	95,747
1/4		1/4		1/4	189,356	1/4	176,143	1/4	162,697	1/4	149,251	1/4	135,805	1/4	122,359	1/4	108,913	1/4	95,467
1/2		1/2		1/2	189,146	1/2	175,863	1/2	162,417	1/2	148,971	1/2	135,525	1/2	122,079	1/2	108,633	1/2	95,186
3/4		3/4		3/4	188,935	3/4	175,583	3/4	162,137	3/4	148,691	3/4	135,245	3/4	121,798	3/4	108,352	3/4	94,906
5		5		5	188,679	5	175,303	5	161,857	5	148,411	5	134,964	5	121,518	5	108,072	5	94,626
1/4		1/4		1/4	188,422	1/4	175,023	1/4	161,576	1/4	148,130	1/4	134,684	1/4	121,238	1/4	107,792	1/4	94,346
1/2		1/2		1/2	188,165	1/2	174,742	1/2	161,296	1/2	147,850	1/2	134,404	1/2	120,958	1/2	107,512	1/2	94,066
3/4		3/4		3/4	187,908	3/4	174,462	3/4	161,016	3/4	147,570	3/4	134,124	3/4	120,678	3/4	107,232	3/4	93,786
6		6		6	187,628	6	174,182	6	160,736	6	147,290	6	133,844	6	120,398	6	106,952	6	93,506
1/4		1/4		1/4	187,348	1/4	173,902	1/4	160,456	1/4	147,010	1/4	133,564	1/4	120,118	1/4	106,672	1/4	93,226
1/2		1/2		1/2	187,068	1/2	173,622	1/2	160,176	1/2	146,730	1/2	133,284	1/2	119,838	1/2	106,391	1/2	92,945
3/4		3/4		3/4	186,788	3/4	173,342	3/4	159,896	3/4	146,450	3/4	133,004	3/4	119,557	3/4	106,111	3/4	92,665
7		7		7	186,508	7	173,062	7	159,616	7	146,170	7	132,723	7	119,277	7	105,831	7	92,385
1/4		1/4		1/4	186,228	1/4	172,782	1/4	159,335	1/4	145,889	1/4	132,443	1/4	118,997	1/4	105,551	1/4	92,105
1/2		1/2		1/2	185,948	1/2	172,501	1/2	159,055	1/2	145,609	1/2	132,163	1/2	118,717	1/2	105,271	1/2	91,825
3/4		3/4		3/4	185,667	3/4	172,221	3/4	158,775	3/4	145,329	3/4	131,883	3/4	118,437	3/4	104,991	3/4	91,545
8		8		8	185,387	8	171,941	8	158,495	8	145,049	8	131,603	8	118,157	8	104,711	8	91,265
1/4		1/4		1/4	185,107	1/4	171,661	1/4	158,215	1/4	144,769	1/4	131,323	1/4	117,877	1/4	104,431	1/4	90,985
1/2		1/2		1/2	184,827	1/2	171,381	1/2	157,935	1/2	144,489	1/2	131,043	1/2	117,597	1/2	104,150	1/2	90,704
3/4		3/4		3/4	184,547	3/4	171,101	3/4	157,655	3/4	144,209	3/4	130,763	3/4	117,316	3/4	103,870	3/4	90,424
9		9		9	184,267	9	170,821	9	157,375	9	143,928	9	130,482	9	117,036	9	103,590	9	90,144
1/4		1/4		1/4	183,987	1/4	170,541	1/4	157,094	1/4	143,648	1/4	130,202	1/4	116,756	1/4	103,310	1/4	89,864
1/2		1/2		1/2	183,706	1/2	170,260	1/2	156,814	1/2	143,368	1/2	129,922	1/2	116,476	1/2	103,030	1/2	89,584
3/4		3/4		3/4	183,426	3/4	169,980	3/4	156,534	3/4	143,088	3/4	129,642	3/4	116,196	3/4	102,750	3/4	89,304
10		10		10	183,146	10	169,700	10	156,254	10	142,808	10	129,362	10	115,916	10	102,470	10	89,024
1/4		1/4		1/4	182,866	1/4	169,420	1/4	155,974	1/4	142,528	1/4	129,082	1/4	115,636	1/4	102,190	1/4	88,744
1/2		1/2		1/2	182,586	1/2	169,140	1/2	155,694	1/2	142,248	1/2	128,802	1/2	115,356	1/2	101,909	1/2	88,463
3/4		3/4		3/4	182,306	3/4	168,860	3/4	155,414	3/4	141,968	3/4	128,522	3/4	115,075	3/4	101,629	3/4	88,183
11		11		11	182,026	11	168,580	11	155,134	11	141,687	11	128,241	11	114,795	11	101,349	11	87,903
1/4		1/4		1/4	181,746	1/4	168,300	1/4	154,853	1/4	141,407	1/4	127,961	1/4	114,515	1/4	101,069	1/4	87,623
1/2		1/2		1/2	181,465	1/2	168,019	1/2	154,573	1/2	141,127	1/2	127,681	1/2	114,235	1/2	100,789	1/2	87,343
3/4		3/4		3/4	181,185	3/4	167,739	3/4	154,293	3/4	140,847	3/4	127,401	3/4	113,955	3/4	100,509	3/4	87,063

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 36'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "CBC 1402"

## 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	86,783	0	73,337	0	59,890	0	46,444	0	33,268	0	19,879	0	6,439	0		0		0	
1/4	86,502	1/4	73,056	1/4	59,610	1/4	46,164	1/4	32,996	1/4	19,599	1/4	6,161	1/4	1/4	1/4		1/4	1/4
1/2	86,222	1/2	72,776	1/2	59,330	1/2	45,884	1/2	32,724	1/2	19,319	1/2	5,882	1/2	1/2	1/2		1/2	1/2
3/4	85,942	3/4	72,496	3/4	59,050	3/4	45,604	3/4	32,453	3/4	19,038	3/4	5,604	3/4	3/4	3/4		3/4	3/4
1	85,662	1	72,216	1	58,770	1	45,324	1	32,180	1	18,758	1	5,327	1	1	1		1	1
1/4	85,382	1/4	71,936	1/4	58,490	1/4	45,044	1/4	31,908	1/4	18,478	1/4	5,050	1/4	1/4	1/4		1/4	1/4
1/2	85,102	1/2	71,656	1/2	58,210	1/2	44,764	1/2	31,636	1/2	18,198	1/2	4,773	1/2	1/2	1/2		1/2	1/2
3/4	84,822	3/4	71,376	3/4	57,930	3/4	44,483	3/4	31,364	3/4	17,918	3/4	4,496	3/4	3/4	3/4		3/4	3/4
2	84,542	2	71,096	2	57,649	2	44,203	2	31,083	2	17,638	2	4,221	2	2	2		2	2
1/4	84,261	1/4	70,815	1/4	57,369	1/4	43,923	1/4	30,803	1/4	17,358	1/4	3,947	1/4	1/4	1/4		1/4	1/4
1/2	83,981	1/2	70,535	1/2	57,089	1/2	43,643	1/2	30,523	1/2	17,078	1/2	3,672	1/2	1/2	1/2		1/2	1/2
3/4	83,701	3/4	70,255	3/4	56,809	3/4	43,363	3/4	30,243	3/4	16,797	3/4	3,398	3/4	3/4	3/4		3/4	3/4
3	83,421	3	69,975	3	56,529	3	43,083	3	29,963	3	16,517	3	3,142	3	3	3		3	3
1/4	83,141	1/4	69,695	1/4	56,249	1/4	42,803	1/4	29,683	1/4	16,237	1/4	2,886	1/4	1/4	1/4		1/4	1/4
1/2	82,861	1/2	69,415	1/2	55,969	1/2	42,523	1/2	29,403	1/2	15,957	1/2	2,630	1/2	1/2	1/2		1/2	1/2
3/4	82,581	3/4	69,135	3/4	55,689	3/4	42,242	3/4	29,123	3/4	15,677	3/4	2,374	3/4	3/4	3/4		3/4	3/4
4	82,301	4	68,855	4	55,408	4	41,970	4	28,843	4	15,397	4	2,164	4	4	4		4	4
1/4	82,020	1/4	68,574	1/4	55,128	1/4	41,698	1/4	28,562	1/4	15,117	1/4	1,953	1/4	1/4	1/4		1/4	1/4
1/2	81,740	1/2	68,294	1/2	54,848	1/2	41,426	1/2	28,282	1/2	14,837	1/2	1,743	1/2	1/2	1/2		1/2	1/2
3/4	81,460	3/4	68,014	3/4	54,568	3/4	41,153	3/4	28,002	3/4	14,557	3/4	1,533	3/4	3/4	3/4		3/4	3/4
5	81,180	5	67,734	5	54,288	5	40,881	5	27,722	5	14,276	5	1,370	5	5	5		5	5
1/4	80,900	1/4	67,454	1/4	54,008	1/4	40,610	1/4	27,442	1/4	13,996	1/4	1,206	1/4	1/4	1/4		1/4	1/4
1/2	80,620	1/2	67,174	1/2	53,728	1/2	40,338	1/2	27,162	1/2	13,716	1/2	1,043	1/2	1/2	1/2		1/2	1/2
3/4	80,340	3/4	66,894	3/4	53,448	3/4	40,066	3/4	26,882	3/4	13,436	3/4	880	3/4	3/4	3/4		3/4	3/4
6	80,060	6	66,613	6	53,167	6	39,794	6	26,602	6	13,156	6	763	6	6	6		6	6
1/4	79,779	1/4	66,333	1/4	52,887	1/4	39,522	1/4	26,321	1/4	12,876	1/4	646	1/4	1/4	1/4		1/4	1/4
1/2	79,499	1/2	66,053	1/2	52,607	1/2	39,250	1/2	26,041	1/2	12,596	1/2	530	1/2	1/2	1/2		1/2	1/2
3/4	79,219	3/4	65,773	3/4	52,327	3/4	38,978	3/4	25,761	3/4	12,316	3/4	413	3/4	3/4	3/4		3/4	3/4
7	78,939	7	65,493	7	52,047	7	38,706	7	25,481	7	12,035	7	343	7	7	7		7	7
1/4	78,659	1/4	65,213	1/4	51,767	1/4	38,434	1/4	25,201	1/4	11,755	1/4	273	1/4	1/4	1/4		1/4	1/4
1/2	78,379	1/2	64,933	1/2	51,487	1/2	38,162	1/2	24,921	1/2	11,475	1/2	203	1/2	1/2	1/2		1/2	1/2
3/4	78,099	3/4	64,653	3/4	51,207	3/4	37,891	3/4	24,641	3/4	11,195	3/4	133	3/4	3/4	3/4		3/4	3/4
8	77,819	8	64,372	8	50,926	8	37,619	8	24,361	8	10,915	8	109	8	8	8		8	8
1/4	77,538	1/4	64,092	1/4	50,646	1/4	37,347	1/4	24,081	1/4	10,635	1/4	86	1/4	1/4	1/4		1/4	1/4
1/2	77,258	1/2	63,812	1/2	50,366	1/2	37,075	1/2	23,800	1/2	10,355	1/2	63	1/2	1/2	1/2		1/2	1/2
3/4	76,978	3/4	63,532	3/4	50,086	3/4	36,803	3/4	23,520	3/4	10,075	3/4	39	3/4	3/4	3/4		3/4	3/4
9	76,698	9	63,252	9	49,806	9	36,531	9	23,240	9	9,795	9		9	9	9		9	9
1/4	76,418	1/4	62,972	1/4	49,526	1/4	36,259	1/4	22,960	1/4	9,514	1/4		1/4	1/4	1/4		1/4	1/4
1/2	76,138	1/2	62,692	1/2	49,246	1/2	35,987	1/2	22,680	1/2	9,234	1/2		1/2	1/2	1/2		1/2	1/2
3/4	75,858	3/4	62,412	3/4	48,966	3/4	35,715	3/4	22,400	3/4	8,954	3/4		3/4	3/4	3/4		3/4	3/4
10	75,578	10	62,131	10	48,685	10	35,443	10	22,120	10	8,674	10		10	10	10		10	10
1/4	75,297	1/4	61,851	1/4	48,405	1/4	35,172	1/4	21,840	1/4	8,395	1/4		1/4	1/4	1/4		1/4	1/4
1/2	75,017	1/2	61,571	1/2	48,125	1/2	34,900	1/2	21,559	1/2	8,115	1/2		1/2	1/2	1/2		1/2	1/2
3/4	74,737	3/4	61,291	3/4	47,845	3/4	34,628	3/4	21,279	3/4	7,835	3/4		3/4	3/4	3/4		3/4	3/4
11	74,457	11	61,011	11	47,565	11	34,356	11	20,999	11	7,555	11		11	11	11		11	11
1/4	74,177	1/4	60,731	1/4	47,285	1/4	34,084	1/4	20,719	1/4	7,276	1/4		1/4	1/4	1/4		1/4	1/4
1/2	73,897	1/2	60,451	1/2	47,005	1/2	33,812	1/2	20,439	1/2	6,997	1/2		1/2	1/2	1/2		1/2	1/2
3/4	73,617	3/4	60,171	3/4	46,724	3/4	33,540	3/4	20,159	3/4	6,717	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/02/2018 SW  
CALCULATED: 05/02/2018 CL  
PRINTED: 05/02/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2018

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



# BARGE "CBC 1402"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							162,128		150,098		138,067		126,037		114,007		101,976		89,946		
1/4	1/4	1/4	1/4	1/4	171,360	1/4	161,877	1/4	149,847	1/4	137,817	1/4	125,786	1/4	113,756	1/4	101,726	1/4	89,695		
1/2	1/2	1/2	1/2	1/2	171,339	1/2	161,627	1/2	149,596	1/2	137,566	1/2	125,536	1/2	113,505	1/2	101,475	1/2	89,445		
3/4	3/4	3/4	3/4	3/4	171,318	3/4	161,376	3/4	149,346	3/4	137,315	3/4	125,285	3/4	113,255	3/4	101,224	3/4	89,194		
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>171,255</b>	<b>1</b>	<b>161,125</b>	<b>1</b>	<b>149,095</b>	<b>1</b>	<b>137,065</b>	<b>1</b>	<b>125,034</b>	<b>1</b>	<b>113,004</b>	<b>1</b>	<b>100,974</b>	<b>1</b>	<b>88,943</b>		
1/4	1/4	1/4	1/4	1/4	171,192	1/4	160,875	1/4	148,844	1/4	136,814	1/4	124,784	1/4	112,753	1/4	100,723	1/4	88,693		
1/2	1/2	1/2	1/2	1/2	171,130	1/2	160,624	1/2	148,594	1/2	136,563	1/2	124,533	1/2	112,503	1/2	100,472	1/2	88,442		
3/4	3/4	3/4	3/4	3/4	171,067	3/4	160,374	3/4	148,343	3/4	136,313	3/4	124,282	3/4	112,252	3/4	100,222	3/4	88,191		
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>170,963</b>	<b>2</b>	<b>160,123</b>	<b>2</b>	<b>148,093</b>	<b>2</b>	<b>136,062</b>	<b>2</b>	<b>124,032</b>	<b>2</b>	<b>112,001</b>	<b>2</b>	<b>99,971</b>	<b>2</b>	<b>87,941</b>		
1/4	1/4	1/4	1/4	1/4	170,858	1/4	159,872	1/4	147,842	1/4	135,812	1/4	123,781	1/4	111,751	1/4	99,720	1/4	87,690		
1/2	1/2	1/2	1/2	1/2	170,754	1/2	159,622	1/2	147,591	1/2	135,561	1/2	123,531	1/2	111,500	1/2	99,470	1/2	87,439		
3/4	3/4	3/4	3/4	3/4	170,649	3/4	159,371	3/4	147,341	3/4	135,310	3/4	123,280	3/4	111,250	3/4	99,219	3/4	87,189		
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>170,503</b>	<b>3</b>	<b>159,120</b>	<b>3</b>	<b>147,090</b>	<b>3</b>	<b>135,060</b>	<b>3</b>	<b>123,029</b>	<b>3</b>	<b>110,999</b>	<b>3</b>	<b>98,969</b>	<b>3</b>	<b>86,938</b>		
1/4	1/4	1/4	1/4	1/4	170,357	1/4	158,870	1/4	146,839	1/4	134,809	1/4	122,779	1/4	110,748	1/4	98,718	1/4	86,688		
1/2	1/2	1/2	1/2	1/2	170,211	1/2	158,619	1/2	146,589	1/2	134,558	1/2	122,528	1/2	110,498	1/2	98,467	1/2	86,437		
3/4	3/4	3/4	3/4	3/4	170,065	3/4	158,368	3/4	146,338	3/4	134,308	3/4	122,277	3/4	110,247	3/4	98,217	3/4	86,186		
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>169,877</b>	<b>4</b>	<b>158,118</b>	<b>4</b>	<b>146,087</b>	<b>4</b>	<b>134,057</b>	<b>4</b>	<b>122,027</b>	<b>4</b>	<b>109,996</b>	<b>4</b>	<b>97,966</b>	<b>4</b>	<b>85,936</b>		
1/4	1/4	1/4	1/4	1/4	169,689	1/4	157,867	1/4	145,837	1/4	133,806	1/4	121,776	1/4	109,746	1/4	97,715	1/4	85,685		
1/2	1/2	1/2	1/2	1/2	169,501	1/2	157,617	1/2	145,586	1/2	133,556	1/2	121,525	1/2	109,495	1/2	97,465	1/2	85,434		
3/4	3/4	3/4	3/4	3/4	169,313	3/4	157,366	3/4	145,336	3/4	133,305	3/4	121,275	3/4	109,244	3/4	97,214	3/4	85,184		
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>169,083</b>	<b>5</b>	<b>157,115</b>	<b>5</b>	<b>145,085</b>	<b>5</b>	<b>133,055</b>	<b>5</b>	<b>121,024</b>	<b>5</b>	<b>108,994</b>	<b>5</b>	<b>96,963</b>	<b>5</b>	<b>84,933</b>		
1/4	1/4	1/4	1/4	1/4	168,853	1/4	156,865	1/4	144,834	1/4	132,804	1/4	120,774	1/4	108,743	1/4	96,713	1/4	84,683		
1/2	1/2	1/2	1/2	1/2	168,624	1/2	156,614	1/2	144,584	1/2	132,553	1/2	120,523	1/2	108,493	1/2	96,462	1/2	84,432		
3/4	3/4	3/4	3/4	3/4	168,394	3/4	156,363	3/4	144,333	3/4	132,303	3/4	120,272	3/4	108,242	3/4	96,212	3/4	84,181		
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>168,143</b>	<b>6</b>	<b>156,113</b>	<b>6</b>	<b>144,082</b>	<b>6</b>	<b>132,052</b>	<b>6</b>	<b>120,022</b>	<b>6</b>	<b>107,991</b>	<b>6</b>	<b>95,961</b>	<b>6</b>	<b>83,931</b>		
1/4	1/4	1/4	1/4	1/4	167,893	1/4	155,862	1/4	143,832	1/4	131,801	1/4	119,771	1/4	107,741	1/4	95,710	1/4	83,680		
1/2	1/2	1/2	1/2	1/2	167,642	1/2	155,612	1/2	143,581	1/2	131,551	1/2	119,520	1/2	107,490	1/2	95,460	1/2	83,429		
3/4	3/4	3/4	3/4	3/4	167,391	3/4	155,361	3/4	143,331	3/4	131,300	3/4	119,270	3/4	107,239	3/4	95,209	3/4	83,179		
<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>167,141</b>	<b>7</b>	<b>155,110</b>	<b>7</b>	<b>143,080</b>	<b>7</b>	<b>131,050</b>	<b>7</b>	<b>119,019</b>	<b>7</b>	<b>106,989</b>	<b>7</b>	<b>94,958</b>	<b>7</b>	<b>82,928</b>		
1/4	1/4	1/4	1/4	1/4	166,890	1/4	154,860	1/4	142,829	1/4	130,799	1/4	118,769	1/4	106,738	1/4	94,708	1/4	82,677		
1/2	1/2	1/2	1/2	1/2	166,639	1/2	154,609	1/2	142,579	1/2	130,548	1/2	118,518	1/2	106,488	1/2	94,457	1/2	82,427		
3/4	3/4	3/4	3/4	3/4	166,389	3/4	154,358	3/4	142,328	3/4	130,298	3/4	118,267	3/4	106,237	3/4	94,207	3/4	82,176		
<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>166,138</b>	<b>8</b>	<b>154,108</b>	<b>8</b>	<b>142,077</b>	<b>8</b>	<b>130,047</b>	<b>8</b>	<b>118,017</b>	<b>8</b>	<b>105,986</b>	<b>8</b>	<b>93,956</b>	<b>8</b>	<b>81,926</b>		
1/4	1/4	1/4	1/4	1/4	165,887	1/4	153,857	1/4	141,827	1/4	129,796	1/4	117,766	1/4	105,736	1/4	93,705	1/4	81,675		
1/2	1/2	1/2	1/2	1/2	165,637	1/2	153,606	1/2	141,576	1/2	129,546	1/2	117,515	1/2	105,485	1/2	93,455	1/2	81,424		
3/4	3/4	3/4	3/4	3/4	165,386	3/4	153,356	3/4	141,325	3/4	129,295	3/4	117,265	3/4	105,234	3/4	93,204	3/4	81,174		
<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>165,136</b>	<b>9</b>	<b>153,105</b>	<b>9</b>	<b>141,075</b>	<b>9</b>	<b>129,044</b>	<b>9</b>	<b>117,014</b>	<b>9</b>	<b>104,984</b>	<b>9</b>	<b>92,953</b>	<b>9</b>	<b>80,923</b>		
1/4	1/4	1/4	1/4	1/4	164,885	1/4	152,855	1/4	140,824	1/4	128,794	1/4	116,763	1/4	104,733	1/4	92,703	1/4	80,672		
1/2	1/2	1/2	1/2	1/2	164,634	1/2	152,604	1/2	140,574	1/2	128,543	1/2	116,513	1/2	104,482	1/2	92,452	1/2	80,422		
3/4	3/4	3/4	3/4	3/4	164,384	3/4	152,353	3/4	140,323	3/4	128,293	3/4	116,262	3/4	104,232	3/4	92,201	3/4	80,171		
<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>164,133</b>	<b>10</b>	<b>152,103</b>	<b>10</b>	<b>140,072</b>	<b>10</b>	<b>128,042</b>	<b>10</b>	<b>116,012</b>	<b>10</b>	<b>103,981</b>	<b>10</b>	<b>91,951</b>	<b>10</b>	<b>79,920</b>		
1/4	1/4	1/4	1/4	1/4	163,882	1/4	151,852	1/4	139,822	1/4	127,791	1/4	115,761	1/4	103,731	1/4	91,700	1/4	79,670		
1/2	1/2	1/2	1/2	1/2	163,632	1/2	151,601	1/2	139,571	1/2	127,541	1/2	115,510	1/2	103,480	1/2	91,450	1/2	79,419		
3/4	3/4	3/4	3/4	3/4	163,381	3/4	151,351	3/4	139,320	3/4	127,290	3/4	115,260	3/4	103,229	3/4	91,199	3/4	79,169		
<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>163,131</b>	<b>11</b>	<b>151,100</b>	<b>11</b>	<b>139,070</b>	<b>11</b>	<b>127,039</b>	<b>11</b>	<b>115,009</b>	<b>11</b>	<b>102,979</b>	<b>11</b>	<b>90,948</b>	<b>11</b>	<b>78,918</b>		
1/4	1/4	1/4	1/4	1/4	162,880	1/4	150,850	1/4	138,819	1/4	126,789	1/4	114,758	1/4	102,728	1/4	90,698	1/4	78,667		
1/2	1/2	1/2	1/2	1/2	162,629	1/2	150,599	1/2	138,569	1/2	126,538	1/2	114,508	1/2	102,477	1/2	90,447	1/2	78,417		
3/4	3/4	3/4	3/4	3/4	162,379	3/4	150,348	3/4	138,318	3/4	126,288	3/4	114,257	3/4	102,227	3/4	90,196	3/4	78,166		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 29'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "CBC 1402"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0										
1/4	77,665	1/4	65,634	1/4	53,604	1/4	41,574	1/4	29,545	1/4	17,515	1/4	5,485	1/4		1/4		1/4		1/4	
1/2	77,414	1/2	65,384	1/2	53,353	1/2	41,323	1/2	29,315	1/2	17,289	1/2	5,267	1/2		1/2		1/2		1/2	
3/4	77,164	3/4	65,133	3/4	53,103	3/4	41,072	3/4	29,065	3/4	17,038	3/4	5,018	3/4		3/4		3/4		3/4	
1	76,913	1	64,883	1	52,852	1	40,822	1	28,815	1	16,787	1	4,770	1		1		1		1	
1/4	76,662	1/4	64,632	1/4	52,602	1/4	40,571	1/4	28,565	1/4	16,537	1/4	4,522	1/4		1/4		1/4		1/4	
1/2	76,412	1/2	64,381	1/2	52,351	1/2	40,321	1/2	28,314	1/2	16,286	1/2	4,275	1/2		1/2		1/2		1/2	
3/4	76,161	3/4	64,131	3/4	52,100	3/4	40,070	3/4	28,064	3/4	16,036	3/4	4,027	3/4		3/4		3/4		3/4	
2	75,910	2	63,880	2	51,850	2	39,819	2	27,814	2	15,785	2	3,781	2		2		2		2	
1/4	75,660	1/4	63,629	1/4	51,599	1/4	39,569	1/4	27,564	1/4	15,534	1/4	3,536	1/4		1/4		1/4		1/4	
1/2	75,409	1/2	63,379	1/2	51,348	1/2	39,318	1/2	27,313	1/2	15,284	1/2	3,290	1/2		1/2		1/2		1/2	
3/4	75,158	3/4	63,128	3/4	51,098	3/4	39,067	3/4	27,063	3/4	15,033	3/4	3,044	3/4		3/4		3/4		3/4	
3	74,908	3	62,877	3	50,847	3	38,817	3	26,812	3	14,783	3	2,815	3		3		3		3	
1/4	74,657	1/4	62,627	1/4	50,596	1/4	38,566	1/4	26,562	1/4	14,532	1/4	2,586	1/4		1/4		1/4		1/4	
1/2	74,407	1/2	62,376	1/2	50,346	1/2	38,315	1/2	26,311	1/2	14,281	1/2	2,357	1/2		1/2		1/2		1/2	
3/4	74,156	3/4	62,126	3/4	50,095	3/4	38,065	3/4	26,061	3/4	14,031	3/4	2,128	3/4		3/4		3/4		3/4	
4	73,905	4	61,875	4	49,845	4	37,814	4	25,810	4	13,780	4	1,940	4		4		4		4	
1/4	73,655	1/4	61,624	1/4	49,594	1/4	37,564	1/4	25,559	1/4	13,529	1/4	1,752	1/4		1/4		1/4		1/4	
1/2	73,404	1/2	61,374	1/2	49,343	1/2	37,313	1/2	25,309	1/2	13,279	1/2	1,564	1/2		1/2		1/2		1/2	
3/4	73,153	3/4	61,123	3/4	49,093	3/4	37,062	3/4	25,058	3/4	13,028	3/4	1,376	3/4		3/4		3/4		3/4	
5	72,903	5	60,872	5	48,842	5	36,812	5	24,807	5	12,778	5	1,230	5		5		5		5	
1/4	72,652	1/4	60,622	1/4	48,591	1/4	36,562	1/4	24,557	1/4	12,527	1/4	1,084	1/4		1/4		1/4		1/4	
1/2	72,402	1/2	60,371	1/2	48,341	1/2	36,313	1/2	24,306	1/2	12,276	1/2	938	1/2		1/2		1/2		1/2	
3/4	72,151	3/4	60,121	3/4	48,090	3/4	36,063	3/4	24,056	3/4	12,026	3/4	791	3/4		3/4		3/4		3/4	
6	71,900	6	59,870	6	47,840	6	35,813	6	23,805	6	11,775	6	687	6		6		6		6	
1/4	71,650	1/4	59,619	1/4	47,589	1/4	35,563	1/4	23,554	1/4	11,524	1/4	583	1/4		1/4		1/4		1/4	
1/2	71,399	1/2	59,369	1/2	47,338	1/2	35,313	1/2	23,304	1/2	11,274	1/2	478	1/2		1/2		1/2		1/2	
3/4	71,148	3/4	59,118	3/4	47,088	3/4	35,063	3/4	23,053	3/4	11,023	3/4	374	3/4		3/4		3/4		3/4	
7	70,898	7	58,867	7	46,837	7	34,813	7	22,802	7	10,773	7	311	7		7		7		7	
1/4	70,647	1/4	58,617	1/4	46,586	1/4	34,563	1/4	22,552	1/4	10,522	1/4	248	1/4		1/4		1/4		1/4	
1/2	70,396	1/2	58,366	1/2	46,336	1/2	34,313	1/2	22,301	1/2	10,271	1/2	186	1/2		1/2		1/2		1/2	
3/4	70,146	3/4	58,115	3/4	46,085	3/4	34,063	3/4	22,051	3/4	10,021	3/4	123	3/4		3/4		3/4		3/4	
8	69,895	8	57,865	8	45,834	8	33,813	8	21,800	8	9,770	8	102	8		8		8		8	
1/4	69,645	1/4	57,614	1/4	45,584	1/4	33,564	1/4	21,549	1/4	9,519	1/4	81	1/4		1/4		1/4		1/4	
1/2	69,394	1/2	57,364	1/2	45,333	1/2	33,314	1/2	21,299	1/2	9,269	1/2	60	1/2		1/2		1/2		1/2	
3/4	69,143	3/4	57,113	3/4	45,083	3/4	33,064	3/4	21,048	3/4	9,018	3/4	40	3/4		3/4		3/4		3/4	
9	68,893	9	56,862	9	44,832	9	32,814	9	20,797	9	8,768	9		9		9		9		9	
1/4	68,642	1/4	56,612	1/4	44,581	1/4	32,564	1/4	20,547	1/4	8,517	1/4		1/4		1/4		1/4		1/4	
1/2	68,391	1/2	56,361	1/2	44,331	1/2	32,314	1/2	20,296	1/2	8,266	1/2		1/2		1/2		1/2		1/2	
3/4	68,141	3/4	56,110	3/4	44,080	3/4	32,064	3/4	20,046	3/4	8,016	3/4		3/4		3/4		3/4		3/4	
10	67,890	10	55,860	10	43,829	10	31,814	10	19,795	10	7,765	10		10		10		10		10	
1/4	67,639	1/4	55,609	1/4	43,579	1/4	31,564	1/4	19,544	1/4	7,515	1/4		1/4		1/4		1/4		1/4	
1/2	67,389	1/2	55,358	1/2	43,328	1/2	31,314	1/2	19,294	1/2	7,265	1/2		1/2		1/2		1/2		1/2	
3/4	67,138	3/4	55,108	3/4	43,077	3/4	31,064	3/4	19,043	3/4	7,014	3/4		3/4		3/4		3/4		3/4	
11	66,888	11	54,857	11	42,827	11	30,815	11	18,792	11	6,764	11		11		11		11		11	
1/4	66,637	1/4	54,607	1/4	42,576	1/4	30,565	1/4	18,542	1/4	6,514	1/4		1/4		1/4		1/4		1/4	
1/2	66,386	1/2	54,356	1/2	42,326	1/2	30,315	1/2	18,291	1/2	6,264	1/2		1/2		1/2		1/2		1/2	
3/4	66,136	3/4	54,105	3/4	42,075	3/4	30,065	3/4	18,041	3/4	6,015	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/02/2018 SW  
CALCULATED: 05/02/2018 CL  
PRINTED: 05/02/2018 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2018

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