



# BARGE "CBC 1419"

## INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	01-7/8	- 01-7/8	02-1/4	- 02-1/4
2 CENTER	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 00-7/8	00-7/8	- 01-1/8	01-1/8
3 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 176'-06"

December 11, 2019

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 1419"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

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	8,712	0	20,332	0	31,769	0	43,246	0	54,838	0	66,430	0	77,999	0	89,569	0	101,166
1/4	60	1/4	8,954	1/4	20,574	1/4	32,003	1/4	43,487	1/4	55,079	1/4	66,671	1/4	78,239	1/4	89,811	1/4	101,407
1/2	80	1/2	9,196	1/2	20,816	1/2	32,237	1/2	43,729	1/2	55,321	1/2	66,913	1/2	78,479	1/2	90,053	1/2	101,649
3/4	100	3/4	9,438	3/4	21,058	3/4	32,472	3/4	43,970	3/4	55,562	3/4	67,154	3/4	78,719	3/4	90,294	3/4	101,891
1	120	1	9,680	1	21,300	1	32,706	1	44,212	1	55,804	1	67,396	1	78,959	1	90,536	1	102,132
1/4	181	1/4	9,922	1/4	21,542	1/4	32,940	1/4	44,453	1/4	56,045	1/4	67,637	1/4	79,199	1/4	90,777	1/4	102,374
1/2	241	1/2	10,164	1/2	21,784	1/2	33,175	1/2	44,695	1/2	56,287	1/2	67,879	1/2	79,440	1/2	91,019	1/2	102,615
3/4	302	3/4	10,406	3/4	22,026	3/4	33,409	3/4	44,936	3/4	56,528	3/4	68,120	3/4	79,680	3/4	91,261	3/4	102,857
2	362	2	10,648	2	22,268	2	33,643	2	45,178	2	56,770	2	68,362	2	79,920	2	91,502	2	103,099
1/4	463	1/4	10,890	1/4	22,510	1/4	33,877	1/4	45,419	1/4	57,011	1/4	68,603	1/4	80,160	1/4	91,744	1/4	103,340
1/2	564	1/2	11,133	1/2	22,753	1/2	34,112	1/2	45,661	1/2	57,253	1/2	68,845	1/2	80,400	1/2	91,985	1/2	103,582
3/4	665	3/4	11,375	3/4	22,995	3/4	34,346	3/4	45,902	3/4	57,494	3/4	69,086	3/4	80,640	3/4	92,227	3/4	103,823
3	766	3	11,617	3	23,237	3	34,580	3	46,144	3	57,736	3	69,328	3	80,881	3	92,468	3	104,065
1/4	907	1/4	11,859	1/4	23,479	1/4	34,815	1/4	46,385	1/4	57,977	1/4	69,569	1/4	81,121	1/4	92,710	1/4	104,307
1/2	1,048	1/2	12,101	1/2	23,721	1/2	35,049	1/2	46,627	1/2	58,219	1/2	69,811	1/2	81,361	1/2	92,952	1/2	104,548
3/4	1,189	3/4	12,343	3/4	23,963	3/4	35,283	3/4	46,868	3/4	58,460	3/4	70,052	3/4	81,601	3/4	93,193	3/4	104,790
4	1,330	4	12,585	4	24,205	4	35,518	4	47,110	4	58,702	4	70,294	4	81,841	4	93,435	4	105,031
1/4	1,512	1/4	12,827	1/4	24,447	1/4	35,759	1/4	47,351	1/4	58,943	1/4	70,535	1/4	82,082	1/4	93,676	1/4	105,273
1/2	1,693	1/2	13,069	1/2	24,689	1/2	36,001	1/2	47,593	1/2	59,185	1/2	70,777	1/2	82,323	1/2	93,918	1/2	105,515
3/4	1,875	3/4	13,311	3/4	24,931	3/4	36,242	3/4	47,834	3/4	59,426	3/4	71,018	3/4	82,564	3/4	94,160	3/4	105,756
5	2,056	5	13,553	5	25,173	5	36,484	5	48,076	5	59,668	5	71,260	5	82,804	5	94,401	5	105,998
1/4	2,278	1/4	13,795	1/4	25,415	1/4	36,725	1/4	48,317	1/4	59,909	1/4	71,501	1/4	83,046	1/4	94,643	1/4	106,239
1/2	2,499	1/2	14,038	1/2	25,658	1/2	36,967	1/2	48,559	1/2	60,151	1/2	71,743	1/2	83,288	1/2	94,884	1/2	106,481
3/4	2,720	3/4	14,280	3/4	25,900	3/4	37,208	3/4	48,800	3/4	60,392	3/4	71,984	3/4	83,529	3/4	95,126	3/4	106,723
6	2,941	6	14,522	6	26,142	6	37,450	6	49,042	6	60,634	6	72,226	6	83,771	6	95,368	6	106,964
1/4	3,179	1/4	14,764	1/4	26,376	1/4	37,691	1/4	49,283	1/4	60,875	1/4	72,467	1/4	84,012	1/4	95,609	1/4	107,206
1/2	3,416	1/2	15,006	1/2	26,611	1/2	37,933	1/2	49,525	1/2	61,117	1/2	72,708	1/2	84,254	1/2	95,851	1/2	107,447
3/4	3,653	3/4	15,248	3/4	26,846	3/4	38,174	3/4	49,766	3/4	61,358	3/4	72,949	3/4	84,496	3/4	96,092	3/4	107,689
7	3,890	7	15,490	7	27,081	7	38,416	7	50,008	7	61,600	7	73,190	7	84,737	7	96,334	7	107,931
1/4	4,130	1/4	15,732	1/4	27,315	1/4	38,657	1/4	50,249	1/4	61,841	1/4	73,430	1/4	84,979	1/4	96,576	1/4	108,172
1/2	4,369	1/2	15,974	1/2	27,550	1/2	38,899	1/2	50,491	1/2	62,083	1/2	73,671	1/2	85,221	1/2	96,817	1/2	108,414
3/4	4,609	3/4	16,216	3/4	27,785	3/4	39,140	3/4	50,732	3/4	62,324	3/4	73,912	3/4	85,462	3/4	97,059	3/4	108,655
8	4,848	8	16,458	8	28,019	8	39,382	8	50,974	8	62,566	8	74,153	8	85,704	8	97,300	8	108,897
1/4	5,089	1/4	16,700	1/4	28,254	1/4	39,623	1/4	51,215	1/4	62,807	1/4	74,394	1/4	85,945	1/4	97,542	1/4	109,139
1/2	5,329	1/2	16,943	1/2	28,488	1/2	39,865	1/2	51,457	1/2	63,049	1/2	74,635	1/2	86,187	1/2	97,784	1/2	109,380
3/4	5,570	3/4	17,185	3/4	28,722	3/4	40,106	3/4	51,698	3/4	63,290	3/4	74,876	3/4	86,429	3/4	98,025	3/4	109,622
9	5,810	9	17,427	9	28,957	9	40,348	9	51,940	9	63,532	9	75,117	9	86,670	9	98,267	9	109,863
1/4	6,052	1/4	17,669	1/4	29,191	1/4	40,589	1/4	52,181	1/4	63,773	1/4	75,357	1/4	86,912	1/4	98,508	1/4	110,105
1/2	6,293	1/2	17,911	1/2	29,425	1/2	40,831	1/2	52,423	1/2	64,015	1/2	75,597	1/2	87,153	1/2	98,750	1/2	110,346
3/4	6,535	3/4	18,153	3/4	29,660	3/4	41,072	3/4	52,664	3/4	64,256	3/4	75,837	3/4	87,395	3/4	98,992	3/4	110,588
10	6,776	10	18,395	10	29,894	10	41,314	10	52,906	10	64,498	10	76,077	10	87,637	10	99,233	10	110,830
1/4	7,018	1/4	18,637	1/4	30,128	1/4	41,555	1/4	53,147	1/4	64,739	1/4	76,318	1/4	87,878	1/4	99,475	1/4	111,071
1/2	7,260	1/2	18,879	1/2	30,363	1/2	41,797	1/2	53,389	1/2	64,981	1/2	76,558	1/2	88,120	1/2	99,716	1/2	111,313
3/4	7,502	3/4	19,121	3/4	30,597	3/4	42,038	3/4	53,630	3/4	65,222	3/4	76,798	3/4	88,361	3/4	99,958	3/4	111,554
11	7,743	11	19,363	11	30,831	11	42,280	11	53,872	11	65,464	11	77,038	11	88,603	11	100,200	11	111,796
1/4	7,986	1/4	19,605	1/4	31,066	1/4	42,521	1/4	54,113	1/4	65,705	1/4	77,278	1/4	88,845	1/4	100,441	1/4	112,038
1/2	8,228	1/2	19,848	1/2	31,300	1/2	42,763	1/2	54,355	1/2	65,947	1/2	77,518	1/2	89,086	1/2	100,683	1/2	112,279
3/4	8,470	3/4	20,090	3/4	31,534	3/4	43,004	3/4	54,596	3/4	66,188	3/4	77,759	3/4	89,328	3/4	100,924	3/4	112,521

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 23'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "CBC 1419"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	112,762	0	122,306	0	130,434	0	138,561	0	146,688	0		0		0		0		0	
1/4	113,003	1/4	122,476	1/4	130,603	1/4	138,730	1/4	146,858	1/4		1/4		1/4		1/4		1/4	
1/2	113,245	1/2	122,645	1/2	130,772	1/2	138,900	1/2	147,027	1/2		1/2		1/2		1/2		1/2	
3/4	113,486	3/4	122,814	3/4	130,942	3/4	139,069	3/4	147,196	3/4		3/4		3/4		3/4		3/4	
1	113,727	1	122,984	1	131,111	1	139,238	1	147,366	1		1		1		1		1	
1/4	113,968	1/4	123,153	1/4	131,280	1/4	139,408	1/4	147,535	1/4		1/4		1/4		1/4		1/4	
1/2	114,209	1/2	123,322	1/2	131,450	1/2	139,577	1/2	147,704	1/2		1/2		1/2		1/2		1/2	
3/4	114,450	3/4	123,491	3/4	131,619	3/4	139,746	3/4	147,874	3/4		3/4		3/4		3/4		3/4	
2	114,691	2	123,661	2	131,788	2	139,916	2	148,043	2		2		2		2		2	
1/4	114,932	1/4	123,830	1/4	131,957	1/4	140,085	1/4	148,212	1/4		1/4		1/4		1/4		1/4	
1/2	115,173	1/2	123,999	1/2	132,127	1/2	140,254	1/2	148,382	1/2		1/2		1/2		1/2		1/2	
3/4	115,414	3/4	124,169	3/4	132,296	3/4	140,423	3/4	148,551	3/4		3/4		3/4		3/4		3/4	
3	115,655	3	124,338	3	132,465	3	140,593	3	148,720	3		3		3		3		3	
1/4	115,896	1/4	124,507	1/4	132,635	1/4	140,762	1/4	148,942	1/4		1/4		1/4		1/4		1/4	
1/2	116,137	1/2	124,677	1/2	132,804	1/2	140,931	1/2	149,164	1/2		1/2		1/2		1/2		1/2	
3/4	116,378	3/4	124,846	3/4	132,973	3/4	141,101	3/4	149,386	3/4		3/4		3/4		3/4		3/4	
4	116,619	4	125,015	4	133,143	4	141,270	4	149,608	4		4		4		4		4	
1/4	116,860	1/4	125,185	1/4	133,312	1/4	141,439	1/4	149,789	1/4		1/4		1/4		1/4		1/4	
1/2	117,101	1/2	125,354	1/2	133,481	1/2	141,609	1/2	149,971	1/2		1/2		1/2		1/2		1/2	
3/4	117,342	3/4	125,523	3/4	133,651	3/4	141,778	3/4	150,153	3/4		3/4		3/4		3/4		3/4	
5	117,583	5	125,693	5	133,820	5	141,947	5	150,334	5		5		5		5		5	
1/4	117,751	1/4	125,862	1/4	133,989	1/4	142,117	1/4	150,475	1/4		1/4		1/4		1/4		1/4	
1/2	117,920	1/2	126,031	1/2	134,159	1/2	142,286	1/2	150,617	1/2		1/2		1/2		1/2		1/2	
3/4	118,088	3/4	126,201	3/4	134,328	3/4	142,455	3/4	150,758	3/4		3/4		3/4		3/4		3/4	
6	118,256	6	126,370	6	134,497	6	142,625	6	150,899	6		6		6		6		6	
1/4	118,425	1/4	126,539	1/4	134,667	1/4	142,794	1/4	151,000	1/4		1/4		1/4		1/4		1/4	
1/2	118,594	1/2	126,709	1/2	134,836	1/2	142,963	1/2	151,101	1/2		1/2		1/2		1/2		1/2	
3/4	118,762	3/4	126,878	3/4	135,005	3/4	143,133	3/4	151,202	3/4		3/4		3/4		3/4		3/4	
7	118,931	7	127,047	7	135,175	7	143,302	7	151,302	7		7		7		7		7	
1/4	119,100	1/4	127,217	1/4	135,344	1/4	143,471	1/4	151,363	1/4		1/4		1/4		1/4		1/4	
1/2	119,269	1/2	127,386	1/2	135,513	1/2	143,641	1/2	151,424	1/2		1/2		1/2		1/2		1/2	
3/4	119,437	3/4	127,555	3/4	135,683	3/4	143,810	3/4	151,484	3/4		3/4		3/4		3/4		3/4	
8	119,606	8	127,724	8	135,852	8	143,979	8	151,545	8		8		8		8		8	
1/4	119,775	1/4	127,894	1/4	136,021	1/4	144,149	1/4	151,565	1/4		1/4		1/4		1/4		1/4	
1/2	119,944	1/2	128,063	1/2	136,190	1/2	144,318	1/2	151,585	1/2		1/2		1/2		1/2		1/2	
3/4	120,112	3/4	128,232	3/4	136,360	3/4	144,487	3/4		3/4		3/4		3/4		3/4		3/4	
9	120,281	9	128,402	9	136,529	9	144,656	9		9		9		9		9		9	
1/4	120,450	1/4	128,571	1/4	136,698	1/4	144,826	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120,619	1/2	128,740	1/2	136,868	1/2	144,995	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,787	3/4	128,910	3/4	137,037	3/4	145,164	3/4		3/4		3/4		3/4		3/4		3/4	
10	120,956	10	129,079	10	137,206	10	145,334	10		10		10		10		10		10	
1/4	121,125	1/4	129,248	1/4	137,376	1/4	145,503	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,294	1/2	129,418	1/2	137,545	1/2	145,672	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	121,462	3/4	129,587	3/4	137,714	3/4	145,842	3/4		3/4		3/4		3/4		3/4		3/4	
11	121,631	11	129,756	11	137,884	11	146,011	11		11		11		11		11		11	
1/4	121,800	1/4	129,926	1/4	138,053	1/4	146,180	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,969	1/2	130,095	1/2	138,222	1/2	146,350	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	122,137	3/4	130,264	3/4	138,392	3/4	146,519	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/11/2019 JS  
CALCULATED: 12/11/2019 CL  
PRINTED: 12/11/2019 SW

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.dmacorp.net>

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019



# BARGE "CBC 1419"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 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	10,062	0	23,491	0	36,758	0	50,024	0	63,454	0	76,883	0	90,313	0	103,742	0	117,172
1/4	63	1/4	10,342	1/4	23,771	1/4	37,029	1/4	50,304	1/4	63,734	1/4	77,163	1/4	90,593	1/4	104,022	1/4	117,452
1/2	86	1/2	10,622	1/2	24,051	1/2	37,301	1/2	50,584	1/2	64,013	1/2	77,443	1/2	90,872	1/2	104,302	1/2	117,731
3/4	109	3/4	10,902	3/4	24,331	3/4	37,572	3/4	50,864	3/4	64,293	3/4	77,723	3/4	91,152	3/4	104,582	3/4	118,011
1	133	1	11,181	1	24,610	1	37,844	1	51,143	1	64,573	1	78,002	1	91,432	1	104,861	1	118,291
1/4	203	1/4	11,461	1/4	24,890	1/4	38,115	1/4	51,423	1/4	64,853	1/4	78,282	1/4	91,712	1/4	105,141	1/4	118,571
1/2	272	1/2	11,741	1/2	25,170	1/2	38,387	1/2	51,703	1/2	65,132	1/2	78,562	1/2	91,991	1/2	105,421	1/2	118,850
3/4	342	3/4	12,021	3/4	25,450	3/4	38,659	3/4	51,983	3/4	65,412	3/4	78,842	3/4	92,271	3/4	105,701	3/4	119,130
2	412	2	12,300	2	25,729	2	38,930	2	52,262	2	65,692	2	79,122	2	92,551	2	105,981	2	119,410
1/4	529	1/4	12,580	1/4	26,009	1/4	39,202	1/4	52,542	1/4	65,972	1/4	79,401	1/4	92,831	1/4	106,260	1/4	119,690
1/2	645	1/2	12,860	1/2	26,289	1/2	39,473	1/2	52,822	1/2	66,252	1/2	79,681	1/2	93,111	1/2	106,540	1/2	119,970
3/4	762	3/4	13,140	3/4	26,569	3/4	39,745	3/4	53,102	3/4	66,531	3/4	79,961	3/4	93,390	3/4	106,820	3/4	120,249
3	879	3	13,419	3	26,849	3	40,016	3	53,382	3	66,811	3	80,241	3	93,670	3	107,100	3	120,529
1/4	1,042	1/4	13,699	1/4	27,128	1/4	40,288	1/4	53,661	1/4	67,091	1/4	80,520	1/4	93,950	1/4	107,379	1/4	120,809
1/2	1,205	1/2	13,979	1/2	27,408	1/2	40,560	1/2	53,941	1/2	67,371	1/2	80,800	1/2	94,230	1/2	107,659	1/2	121,089
3/4	1,368	3/4	14,259	3/4	27,688	3/4	40,831	3/4	54,221	3/4	67,650	3/4	81,080	3/4	94,510	3/4	107,939	3/4	121,369
4	1,531	4	14,539	4	27,968	4	41,103	4	54,501	4	67,930	4	81,360	4	94,789	4	108,219	4	121,648
1/4	1,741	1/4	14,818	1/4	28,247	1/4	41,375	1/4	54,781	1/4	68,210	1/4	81,640	1/4	95,069	1/4	108,499	1/4	121,928
1/2	1,951	1/2	15,098	1/2	28,527	1/2	41,647	1/2	55,060	1/2	68,490	1/2	81,919	1/2	95,349	1/2	108,778	1/2	122,208
3/4	2,161	3/4	15,378	3/4	28,807	3/4	41,918	3/4	55,340	3/4	68,770	3/4	82,199	3/4	95,629	3/4	109,058	3/4	122,488
5	2,371	5	15,658	5	29,087	5	42,190	5	55,620	5	69,049	5	82,479	5	95,908	5	109,338	5	122,767
1/4	2,626	1/4	15,937	1/4	29,366	1/4	42,470	1/4	55,900	1/4	69,329	1/4	82,759	1/4	96,188	1/4	109,618	1/4	123,047
1/2	2,882	1/2	16,217	1/2	29,646	1/2	42,750	1/2	56,179	1/2	69,609	1/2	83,038	1/2	96,468	1/2	109,897	1/2	123,327
3/4	3,138	3/4	16,497	3/4	29,926	3/4	43,030	3/4	56,459	3/4	69,889	3/4	83,318	3/4	96,748	3/4	110,177	3/4	123,607
6	3,394	6	16,777	6	30,206	6	43,309	6	56,739	6	70,169	6	83,598	6	97,028	6	110,457	6	123,887
1/4	3,668	1/4	17,056	1/4	30,486	1/4	43,589	1/4	57,019	1/4	70,448	1/4	83,878	1/4	97,307	1/4	110,737	1/4	124,166
1/2	3,942	1/2	17,336	1/2	30,765	1/2	43,869	1/2	57,299	1/2	70,728	1/2	84,158	1/2	97,587	1/2	111,017	1/2	124,446
3/4	4,216	3/4	17,616	3/4	31,045	3/4	44,149	3/4	57,578	3/4	71,008	3/4	84,437	3/4	97,867	3/4	111,296	3/4	124,726
7	4,490	7	17,896	7	31,325	7	44,429	7	57,858	7	71,288	7	84,717	7	98,147	7	111,576	7	125,006
1/4	4,767	1/4	18,176	1/4	31,597	1/4	44,708	1/4	58,138	1/4	71,567	1/4	84,997	1/4	98,426	1/4	111,856	1/4	125,285
1/2	5,044	1/2	18,455	1/2	31,869	1/2	44,988	1/2	58,418	1/2	71,847	1/2	85,277	1/2	98,706	1/2	112,136	1/2	125,565
3/4	5,320	3/4	18,735	3/4	32,141	3/4	45,268	3/4	58,697	3/4	72,127	3/4	85,556	3/4	98,986	3/4	112,416	3/4	125,845
8	5,597	8	19,015	8	32,413	8	45,548	8	58,977	8	72,407	8	85,836	8	99,266	8	112,695	8	126,125
1/4	5,875	1/4	19,295	1/4	32,684	1/4	45,828	1/4	59,257	1/4	72,687	1/4	86,116	1/4	99,546	1/4	112,975	1/4	126,405
1/2	6,153	1/2	19,574	1/2	32,956	1/2	46,107	1/2	59,537	1/2	72,966	1/2	86,396	1/2	99,825	1/2	113,255	1/2	126,684
3/4	6,431	3/4	19,854	3/4	33,227	3/4	46,387	3/4	59,817	3/4	73,246	3/4	86,676	3/4	100,105	3/4	113,535	3/4	126,964
9	6,709	9	20,134	9	33,499	9	46,667	9	60,096	9	73,526	9	86,955	9	100,385	9	113,814	9	127,244
1/4	6,988	1/4	20,414	1/4	33,770	1/4	46,947	1/4	60,376	1/4	73,806	1/4	87,235	1/4	100,665	1/4	114,094	1/4	127,524
1/2	7,267	1/2	20,694	1/2	34,042	1/2	47,226	1/2	60,656	1/2	74,085	1/2	87,515	1/2	100,944	1/2	114,374	1/2	127,804
3/4	7,546	3/4	20,973	3/4	34,314	3/4	47,506	3/4	60,936	3/4	74,365	3/4	87,795	3/4	101,224	3/4	114,654	3/4	128,083
10	7,825	10	21,253	10	34,585	10	47,786	10	61,216	10	74,645	10	88,075	10	101,504	10	114,934	10	128,363
1/4	8,105	1/4	21,533	1/4	34,857	1/4	48,066	1/4	61,495	1/4	74,925	1/4	88,354	1/4	101,784	1/4	115,213	1/4	128,643
1/2	8,384	1/2	21,813	1/2	35,128	1/2	48,346	1/2	61,775	1/2	75,205	1/2	88,634	1/2	102,064	1/2	115,493	1/2	128,923
3/4	8,664	3/4	22,092	3/4	35,400	3/4	48,625	3/4	62,055	3/4	75,484	3/4	88,914	3/4	102,343	3/4	115,773	3/4	129,202
11	8,943	11	22,372	11	35,671	11	48,905	11	62,335	11	75,764	11	89,194	11	102,623	11	116,053	11	129,482
1/4	9,223	1/4	22,652	1/4	35,943	1/4	49,185	1/4	62,614	1/4	76,044	1/4	89,473	1/4	102,903	1/4	116,332	1/4	129,762
1/2	9,503	1/2	22,932	1/2	36,214	1/2	49,465	1/2	62,894	1/2	76,324	1/2	89,753	1/2	103,183	1/2	116,612	1/2	130,042
3/4	9,782	3/4	23,211	3/4	36,486	3/4	49,744	3/4	63,174	3/4	76,603	3/4	90,033	3/4	103,463	3/4	116,892	3/4	130,322

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 36'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 1419"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 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	130,601	0	144,031	0	157,460	0	170,890	0	184,319	0		0		0		0		0	
1/4	130,881	1/4	144,311	1/4	157,740	1/4	171,170	1/4	184,599	1/4		1/4		1/4		1/4		1/4	
1/2	131,161	1/2	144,590	1/2	158,020	1/2	171,449	1/2	184,879	1/2		1/2		1/2		1/2		1/2	
3/4	131,441	3/4	144,870	3/4	158,300	3/4	171,729	3/4	185,159	3/4		3/4		3/4		3/4		3/4	
1	131,720	1	145,150	1	158,579	1	172,009	1	185,438	1		1		1		1		1	
1/4	132,000	1/4	145,430	1/4	158,859	1/4	172,289	1/4	185,718	1/4		1/4		1/4		1/4		1/4	
1/2	132,280	1/2	145,710	1/2	159,139	1/2	172,569	1/2	185,998	1/2		1/2		1/2		1/2		1/2	
3/4	132,560	3/4	145,989	3/4	159,419	3/4	172,848	3/4	186,278	3/4		3/4		3/4		3/4		3/4	
2	132,840	2	146,269	2	159,699	2	173,128	2	186,558	2		2		2		2		2	
1/4	133,119	1/4	146,549	1/4	159,978	1/4	173,408	1/4	186,837	1/4		1/4		1/4		1/4		1/4	
1/2	133,399	1/2	146,829	1/2	160,258	1/2	173,688	1/2	187,117	1/2		1/2		1/2		1/2		1/2	
3/4	133,679	3/4	147,108	3/4	160,538	3/4	173,967	3/4	187,397	3/4		3/4		3/4		3/4		3/4	
3	133,959	3	147,388	3	160,818	3	174,247	3	187,677	3		3		3		3		3	
1/4	134,238	1/4	147,668	1/4	161,098	1/4	174,527	1/4	187,933	1/4		1/4		1/4		1/4		1/4	
1/2	134,518	1/2	147,948	1/2	161,377	1/2	174,807	1/2	188,190	1/2		1/2		1/2		1/2		1/2	
3/4	134,798	3/4	148,228	3/4	161,657	3/4	175,087	3/4	188,446	3/4		3/4		3/4		3/4		3/4	
4	135,078	4	148,507	4	161,937	4	175,366	4	188,703	4		4		4		4		4	
1/4	135,358	1/4	148,787	1/4	162,217	1/4	175,646	1/4	188,912	1/4		1/4		1/4		1/4		1/4	
1/2	135,637	1/2	149,067	1/2	162,496	1/2	175,926	1/2	189,122	1/2		1/2		1/2		1/2		1/2	
3/4	135,917	3/4	149,347	3/4	162,776	3/4	176,206	3/4	189,332	3/4		3/4		3/4		3/4		3/4	
5	136,197	5	149,626	5	163,056	5	176,485	5	189,542	5		5		5		5		5	
1/4	136,477	1/4	149,906	1/4	163,336	1/4	176,765	1/4	189,705	1/4		1/4		1/4		1/4		1/4	
1/2	136,757	1/2	150,186	1/2	163,616	1/2	177,045	1/2	189,868	1/2		1/2		1/2		1/2		1/2	
3/4	137,036	3/4	150,466	3/4	163,895	3/4	177,325	3/4	190,032	3/4		3/4		3/4		3/4		3/4	
6	137,316	6	150,746	6	164,175	6	177,605	6	190,195	6		6		6		6		6	
1/4	137,596	1/4	151,025	1/4	164,455	1/4	177,884	1/4	190,311	1/4		1/4		1/4		1/4		1/4	
1/2	137,876	1/2	151,305	1/2	164,735	1/2	178,164	1/2	190,428	1/2		1/2		1/2		1/2		1/2	
3/4	138,155	3/4	151,585	3/4	165,014	3/4	178,444	3/4	190,544	3/4		3/4		3/4		3/4		3/4	
7	138,435	7	151,865	7	165,294	7	178,724	7	190,661	7		7		7		7		7	
1/4	138,715	1/4	152,144	1/4	165,574	1/4	179,004	1/4	190,731	1/4		1/4		1/4		1/4		1/4	
1/2	138,995	1/2	152,424	1/2	165,854	1/2	179,283	1/2	190,801	1/2		1/2		1/2		1/2		1/2	
3/4	139,275	3/4	152,704	3/4	166,134	3/4	179,563	3/4	190,871	3/4		3/4		3/4		3/4		3/4	
8	139,554	8	152,984	8	166,413	8	179,843	8	190,941	8		8		8		8		8	
1/4	139,834	1/4	153,264	1/4	166,693	1/4	180,123	1/4	190,964	1/4		1/4		1/4		1/4		1/4	
1/2	140,114	1/2	153,543	1/2	166,973	1/2	180,402	1/2	190,987	1/2		1/2		1/2		1/2		1/2	
3/4	140,394	3/4	153,823	3/4	167,253	3/4	180,682	3/4		3/4		3/4		3/4		3/4		3/4	
9	140,673	9	154,103	9	167,532	9	180,962	9		9		9		9		9		9	
1/4	140,953	1/4	154,383	1/4	167,812	1/4	181,242	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	141,233	1/2	154,663	1/2	168,092	1/2	181,522	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	141,513	3/4	154,942	3/4	168,372	3/4	181,801	3/4		3/4		3/4		3/4		3/4		3/4	
10	141,793	10	155,222	10	168,652	10	182,081	10		10		10		10		10		10	
1/4	142,072	1/4	155,502	1/4	168,931	1/4	182,361	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	142,352	1/2	155,782	1/2	169,211	1/2	182,641	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	142,632	3/4	156,061	3/4	169,491	3/4	182,920	3/4		3/4		3/4		3/4		3/4		3/4	
11	142,912	11	156,341	11	169,771	11	183,200	11		11		11		11		11		11	
1/4	143,191	1/4	156,621	1/4	170,051	1/4	183,480	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	143,471	1/2	156,901	1/2	170,330	1/2	183,760	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	143,751	3/4	157,181	3/4	170,610	3/4	184,040	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/11/2019 JS  
CALCULATED: 12/11/2019 CL  
PRINTED: 12/11/2019 SW

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019



# BARGE "CBC 1419"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 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	8,989	0	20,980	0	32,957	0	44,938	0	56,929	0	68,921	0	80,913	0	92,904	0	104,896
1/4	60	1/4	9,239	1/4	21,230	1/4	33,207	1/4	45,187	1/4	57,179	1/4	69,171	1/4	81,162	1/4	93,154	1/4	105,146
1/2	81	1/2	9,489	1/2	21,480	1/2	33,456	1/2	45,437	1/2	57,429	1/2	69,421	1/2	81,412	1/2	93,404	1/2	105,396
3/4	102	3/4	9,739	3/4	21,730	3/4	33,705	3/4	45,687	3/4	57,679	3/4	69,670	3/4	81,662	3/4	93,654	3/4	105,645
1	123	1	9,988	1	21,980	1	33,954	1	45,937	1	57,929	1	69,920	1	81,912	1	93,904	1	105,895
1/4	185	1/4	10,238	1/4	22,229	1/4	34,203	1/4	46,187	1/4	58,178	1/4	70,170	1/4	82,162	1/4	94,153	1/4	106,145
1/2	248	1/2	10,488	1/2	22,479	1/2	34,452	1/2	46,437	1/2	58,428	1/2	70,420	1/2	82,412	1/2	94,403	1/2	106,395
3/4	310	3/4	10,738	3/4	22,729	3/4	34,701	3/4	46,686	3/4	58,678	3/4	70,670	3/4	82,661	3/4	94,653	3/4	106,645
2	373	2	10,988	2	22,979	2	34,950	2	46,936	2	58,928	2	70,920	2	82,911	2	94,903	2	106,895
1/4	477	1/4	11,238	1/4	23,229	1/4	35,199	1/4	47,186	1/4	59,178	1/4	71,169	1/4	83,161	1/4	95,153	1/4	107,144
1/2	581	1/2	11,487	1/2	23,479	1/2	35,448	1/2	47,436	1/2	59,428	1/2	71,419	1/2	83,411	1/2	95,403	1/2	107,394
3/4	685	3/4	11,737	3/4	23,728	3/4	35,698	3/4	47,686	3/4	59,677	3/4	71,669	3/4	83,661	3/4	95,652	3/4	107,644
3	789	3	11,987	3	23,978	3	35,947	3	47,935	3	59,927	3	71,919	3	83,911	3	95,902	3	107,894
1/4	935	1/4	12,237	1/4	24,228	1/4	36,196	1/4	48,185	1/4	60,177	1/4	72,169	1/4	84,160	1/4	96,152	1/4	108,144
1/2	1,080	1/2	12,487	1/2	24,478	1/2	36,445	1/2	48,435	1/2	60,427	1/2	72,418	1/2	84,410	1/2	96,402	1/2	108,394
3/4	1,226	3/4	12,736	3/4	24,728	3/4	36,694	3/4	48,685	3/4	60,677	3/4	72,668	3/4	84,660	3/4	96,652	3/4	108,643
4	1,372	4	12,986	4	24,977	4	36,943	4	48,935	4	60,926	4	72,918	4	84,910	4	96,902	4	108,893
1/4	1,559	1/4	13,236	1/4	25,227	1/4	37,193	1/4	49,185	1/4	61,176	1/4	73,168	1/4	85,160	1/4	97,151	1/4	109,143
1/2	1,746	1/2	13,486	1/2	25,477	1/2	37,443	1/2	49,434	1/2	61,426	1/2	73,418	1/2	85,409	1/2	97,401	1/2	109,393
3/4	1,934	3/4	13,736	3/4	25,727	3/4	37,693	3/4	49,684	3/4	61,676	3/4	73,668	3/4	85,659	3/4	97,651	3/4	109,643
5	2,121	5	13,986	5	25,977	5	37,942	5	49,934	5	61,926	5	73,917	5	85,909	5	97,901	5	109,892
1/4	2,350	1/4	14,235	1/4	26,227	1/4	38,192	1/4	50,184	1/4	62,176	1/4	74,167	1/4	86,159	1/4	98,151	1/4	110,142
1/2	2,578	1/2	14,485	1/2	26,476	1/2	38,442	1/2	50,434	1/2	62,425	1/2	74,417	1/2	86,409	1/2	98,400	1/2	110,392
3/4	2,806	3/4	14,735	3/4	26,726	3/4	38,692	3/4	50,684	3/4	62,675	3/4	74,667	3/4	86,659	3/4	98,650	3/4	110,642
6	3,035	6	14,985	6	26,976	6	38,942	6	50,933	6	62,925	6	74,917	6	86,908	6	98,900	6	110,892
1/4	3,279	1/4	15,235	1/4	27,225	1/4	39,192	1/4	51,183	1/4	63,175	1/4	75,167	1/4	87,158	1/4	99,150	1/4	111,142
1/2	3,524	1/2	15,484	1/2	27,475	1/2	39,441	1/2	51,433	1/2	63,425	1/2	75,416	1/2	87,408	1/2	99,400	1/2	111,391
3/4	3,769	3/4	15,734	3/4	27,724	3/4	39,691	3/4	51,683	3/4	63,675	3/4	75,666	3/4	87,658	3/4	99,650	3/4	111,641
7	4,014	7	15,984	7	27,974	7	39,941	7	51,933	7	63,924	7	75,916	7	87,908	7	99,899	7	111,891
1/4	4,261	1/4	16,234	1/4	28,223	1/4	40,191	1/4	52,183	1/4	64,174	1/4	76,166	1/4	88,158	1/4	100,149	1/4	112,141
1/2	4,508	1/2	16,484	1/2	28,473	1/2	40,441	1/2	52,432	1/2	64,424	1/2	76,416	1/2	88,407	1/2	100,399	1/2	112,391
3/4	4,755	3/4	16,734	3/4	28,722	3/4	40,691	3/4	52,682	3/4	64,674	3/4	76,666	3/4	88,657	3/4	100,649	3/4	112,641
8	5,002	8	16,983	8	28,972	8	40,940	8	52,932	8	64,924	8	76,915	8	88,907	8	100,899	8	112,890
1/4	5,250	1/4	17,233	1/4	29,221	1/4	41,190	1/4	53,182	1/4	65,174	1/4	77,165	1/4	89,157	1/4	101,149	1/4	113,140
1/2	5,499	1/2	17,483	1/2	29,470	1/2	41,440	1/2	53,432	1/2	65,423	1/2	77,415	1/2	89,407	1/2	101,398	1/2	113,390
3/4	5,747	3/4	17,733	3/4	29,719	3/4	41,690	3/4	53,682	3/4	65,673	3/4	77,665	3/4	89,657	3/4	101,648	3/4	113,640
9	5,995	9	17,983	9	29,968	9	41,940	9	53,931	9	65,923	9	77,915	9	89,906	9	101,898	9	113,890
1/4	6,244	1/4	18,232	1/4	30,217	1/4	42,189	1/4	54,181	1/4	66,173	1/4	78,165	1/4	90,156	1/4	102,148	1/4	114,140
1/2	6,493	1/2	18,482	1/2	30,466	1/2	42,439	1/2	54,431	1/2	66,423	1/2	78,414	1/2	90,406	1/2	102,398	1/2	114,389
3/4	6,742	3/4	18,732	3/4	30,715	3/4	42,689	3/4	54,681	3/4	66,672	3/4	78,664	3/4	90,656	3/4	102,648	3/4	114,639
10	6,992	10	18,982	10	30,965	10	42,939	10	54,931	10	66,922	10	78,914	10	90,906	10	102,897	10	114,889
1/4	7,241	1/4	19,232	1/4	31,214	1/4	43,189	1/4	55,180	1/4	67,172	1/4	79,164	1/4	91,155	1/4	103,147	1/4	115,139
1/2	7,491	1/2	19,481	1/2	31,463	1/2	43,439	1/2	55,430	1/2	67,422	1/2	79,414	1/2	91,405	1/2	103,397	1/2	115,389
3/4	7,740	3/4	19,731	3/4	31,712	3/4	43,688	3/4	55,680	3/4	67,672	3/4	79,663	3/4	91,655	3/4	103,647	3/4	115,638
11	7,990	11	19,981	11	31,961	11	43,938	11	55,930	11	67,922	11	79,913	11	91,905	11	103,897	11	115,888
1/4	8,240	1/4	20,231	1/4	32,210	1/4	44,188	1/4	56,180	1/4	68,171	1/4	80,163	1/4	92,155	1/4	104,146	1/4	116,138
1/2	8,490	1/2	20,481	1/2	32,459	1/2	44,438	1/2	56,430	1/2	68,421	1/2	80,413	1/2	92,405	1/2	104,396	1/2	116,388
3/4	8,739	3/4	20,731	3/4	32,708	3/4	44,688	3/4	56,679	3/4	68,671	3/4	80,663	3/4	92,654	3/4	104,646	3/4	116,638

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "CBC 1419"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	116,888	0	128,879	0	140,871	0	152,863	0	164,854	0		0		0		0		0	
1/4	117,137	1/4	129,129	1/4	141,121	1/4	153,112	1/4	165,104	1/4		1/4		1/4		1/4		1/4	
1/2	117,387	1/2	129,379	1/2	141,371	1/2	153,362	1/2	165,354	1/2		1/2		1/2		1/2		1/2	
3/4	117,637	3/4	129,629	3/4	141,620	3/4	153,612	3/4	165,604	3/4		3/4		3/4		3/4		3/4	
1	117,887	1	129,879	1	141,870	1	153,862	1	165,854	1		1		1		1		1	
1/4	118,137	1/4	130,128	1/4	142,120	1/4	154,112	1/4	166,103	1/4		1/4		1/4		1/4		1/4	
1/2	118,387	1/2	130,378	1/2	142,370	1/2	154,362	1/2	166,353	1/2		1/2		1/2		1/2		1/2	
3/4	118,636	3/4	130,628	3/4	142,620	3/4	154,611	3/4	166,603	3/4		3/4		3/4		3/4		3/4	
2	118,886	2	130,878	2	142,870	2	154,861	2	166,853	2		2		2		2		2	
1/4	119,136	1/4	131,128	1/4	143,119	1/4	155,111	1/4	167,103	1/4		1/4		1/4		1/4		1/4	
1/2	119,386	1/2	131,378	1/2	143,369	1/2	155,361	1/2	167,353	1/2		1/2		1/2		1/2		1/2	
3/4	119,636	3/4	131,627	3/4	143,619	3/4	155,611	3/4	167,602	3/4		3/4		3/4		3/4		3/4	
3	119,886	3	131,877	3	143,869	3	155,861	3	167,852	3		3		3		3		3	
1/4	120,135	1/4	132,127	1/4	144,119	1/4	156,110	1/4	168,081	1/4		1/4		1/4		1/4		1/4	
1/2	120,385	1/2	132,377	1/2	144,369	1/2	156,360	1/2	168,310	1/2		1/2		1/2		1/2		1/2	
3/4	120,635	3/4	132,627	3/4	144,618	3/4	156,610	3/4	168,539	3/4		3/4		3/4		3/4		3/4	
4	120,885	4	132,877	4	144,868	4	156,860	4	168,768	4		4		4		4		4	
1/4	121,135	1/4	133,126	1/4	145,118	1/4	157,110	1/4	168,956	1/4		1/4		1/4		1/4		1/4	
1/2	121,385	1/2	133,376	1/2	145,368	1/2	157,360	1/2	169,143	1/2		1/2		1/2		1/2		1/2	
3/4	121,634	3/4	133,626	3/4	145,618	3/4	157,609	3/4	169,330	3/4		3/4		3/4		3/4		3/4	
5	121,884	5	133,876	5	145,868	5	157,859	5	169,518	5		5		5		5		5	
1/4	122,134	1/4	134,126	1/4	146,117	1/4	158,109	1/4	169,663	1/4		1/4		1/4		1/4		1/4	
1/2	122,384	1/2	134,375	1/2	146,367	1/2	158,359	1/2	169,809	1/2		1/2		1/2		1/2		1/2	
3/4	122,634	3/4	134,625	3/4	146,617	3/4	158,609	3/4	169,955	3/4		3/4		3/4		3/4		3/4	
6	122,883	6	134,875	6	146,867	6	158,858	6	170,101	6		6		6		6		6	
1/4	123,133	1/4	135,125	1/4	147,117	1/4	159,108	1/4	170,205	1/4		1/4		1/4		1/4		1/4	
1/2	123,383	1/2	135,375	1/2	147,366	1/2	159,358	1/2	170,309	1/2		1/2		1/2		1/2		1/2	
3/4	123,633	3/4	135,625	3/4	147,616	3/4	159,608	3/4	170,413	3/4		3/4		3/4		3/4		3/4	
7	123,883	7	135,874	7	147,866	7	159,858	7	170,517	7		7		7		7		7	
1/4	124,133	1/4	136,124	1/4	148,116	1/4	160,108	1/4	170,580	1/4		1/4		1/4		1/4		1/4	
1/2	124,382	1/2	136,374	1/2	148,366	1/2	160,357	1/2	170,642	1/2		1/2		1/2		1/2		1/2	
3/4	124,632	3/4	136,624	3/4	148,616	3/4	160,607	3/4	170,704	3/4		3/4		3/4		3/4		3/4	
8	124,882	8	136,874	8	148,865	8	160,857	8	170,767	8		8		8		8		8	
1/4	125,132	1/4	137,124	1/4	149,115	1/4	161,107	1/4	170,788	1/4		1/4		1/4		1/4		1/4	
1/2	125,382	1/2	137,373	1/2	149,365	1/2	161,357	1/2	170,809	1/2		1/2		1/2		1/2		1/2	
3/4	125,632	3/4	137,623	3/4	149,615	3/4	161,607	3/4		3/4		3/4		3/4		3/4		3/4	
9	125,881	9	137,873	9	149,865	9	161,856	9		9		9		9		9		9	
1/4	126,131	1/4	138,123	1/4	150,115	1/4	162,106	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,381	1/2	138,373	1/2	150,364	1/2	162,356	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,631	3/4	138,623	3/4	150,614	3/4	162,606	3/4		3/4		3/4		3/4		3/4		3/4	
10	126,881	10	138,872	10	150,864	10	162,856	10		10		10		10		10		10	
1/4	127,131	1/4	139,122	1/4	151,114	1/4	163,106	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,380	1/2	139,372	1/2	151,364	1/2	163,355	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,630	3/4	139,622	3/4	151,614	3/4	163,605	3/4		3/4		3/4		3/4		3/4		3/4	
11	127,880	11	139,872	11	151,863	11	163,855	11		11		11		11		11		11	
1/4	128,130	1/4	140,122	1/4	152,113	1/4	164,105	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,380	1/2	140,371	1/2	152,363	1/2	164,355	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,629	3/4	140,621	3/4	152,613	3/4	164,605	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/11/2019 JS  
CALCULATED: 12/11/2019 CL  
PRINTED: 12/11/2019 SW

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019



# BARGE "CBC 1419"

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-1/2	01-1/2	- 01-7/8	01-7/8	- 02-1/4	02-1/4
2 CENTER	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8	01-1/8	- 01-1/8
3 CENTER	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 176'-06"

December 11, 2019

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 1419"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0	151,424	0	143,641	0	135,513	0	127,386	0	119,269	0	108,414	0	96,817	0	85,221		
1/4	1/4	1/4	1/4	1/4	151,363	1/4	143,471	1/4	135,344	1/4	127,217	1/4	119,100	1/4	108,172	1/4	96,576	1/4	84,979		
1/2	1/2	1/2	1/2	1/2	151,303	1/2	143,302	1/2	135,175	1/2	127,047	1/2	118,931	1/2	107,931	1/2	96,334	1/2	84,737		
3/4	3/4	3/4	3/4	3/4	151,202	3/4	143,133	3/4	135,005	3/4	126,878	3/4	118,763	3/4	107,689	3/4	96,093	3/4	84,496		
1		1		1	151,101	1	142,963	1	134,836	1	126,709	1	118,594	1	107,447	1	95,851	1	84,254		
1/4	1/4	1/4	1/4	1/4	151,000	1/4	142,794	1/4	134,667	1/4	126,539	1/4	118,425	1/4	107,206	1/4	95,609	1/4	84,013		
1/2	1/2	1/2	1/2	1/2	150,899	1/2	142,625	1/2	134,497	1/2	126,370	1/2	118,256	1/2	106,964	1/2	95,368	1/2	83,771		
3/4	3/4	3/4	3/4	3/4	150,758	3/4	142,455	3/4	134,328	3/4	126,201	3/4	118,088	3/4	106,723	3/4	95,126	3/4	83,529		
2		2		2	150,617	2	142,286	2	134,159	2	126,031	2	117,920	2	106,481	2	94,885	2	83,288		
1/4	1/4	1/4	1/4	1/4	150,475	1/4	142,117	1/4	133,989	1/4	125,862	1/4	117,752	1/4	106,239	1/4	94,643	1/4	83,046		
1/2	1/2	1/2	1/2	1/2	150,334	1/2	141,947	1/2	133,820	1/2	125,693	1/2	117,583	1/2	105,998	1/2	94,401	1/2	82,805		
3/4	3/4	3/4	3/4	3/4	150,153	3/4	141,778	3/4	133,651	3/4	125,523	3/4	117,342	3/4	105,756	3/4	94,160	3/4	82,564		
3		3		3	149,971	3	141,609	3	133,481	3	125,354	3	117,101	3	105,515	3	93,918	3	82,323		
1/4	1/4	1/4	1/4	1/4	149,789	1/4	141,439	1/4	133,312	1/4	125,185	1/4	116,860	1/4	105,273	1/4	93,677	1/4	82,082		
1/2	1/2	1/2	1/2	1/2	149,608	1/2	141,270	1/2	133,143	1/2	125,015	1/2	116,619	1/2	105,032	1/2	93,435	1/2	81,841		
3/4	3/4	3/4	3/4	3/4	149,386	3/4	141,101	3/4	132,973	3/4	124,846	3/4	116,378	3/4	104,790	3/4	93,193	3/4	81,601		
4		4		4	149,164	4	140,932	4	132,804	4	124,677	4	116,137	4	104,548	4	92,952	4	81,361		
1/4	1/4	1/4	1/4	1/4	148,942	1/4	140,762	1/4	132,635	1/4	124,507	1/4	115,896	1/4	104,307	1/4	92,710	1/4	81,121		
1/2	1/2	1/2	1/2	1/2	148,720	1/2	140,593	1/2	132,466	1/2	124,338	1/2	115,655	1/2	104,065	1/2	92,469	1/2	80,881		
3/4	3/4	3/4	3/4	3/4	148,551	3/4	140,424	3/4	132,296	3/4	124,169	3/4	115,414	3/4	103,824	3/4	92,227	3/4	80,640		
5		5		5	148,382	5	140,254	5	132,127	5	124,000	5	115,173	5	103,582	5	91,985	5	80,400		
1/4	1/4	1/4	1/4	1/4	148,212	1/4	140,085	1/4	131,958	1/4	123,830	1/4	114,932	1/4	103,340	1/4	91,744	1/4	80,160		
1/2	1/2	1/2	1/2	1/2	148,043	1/2	139,916	1/2	131,788	1/2	123,661	1/2	114,691	1/2	103,099	1/2	91,502	1/2	79,920		
3/4	3/4	3/4	3/4	3/4	147,874	3/4	139,746	3/4	131,619	3/4	123,492	3/4	114,450	3/4	102,857	3/4	91,261	3/4	79,680		
6		6		6	147,704	6	139,577	6	131,450	6	123,322	6	114,209	6	102,616	6	91,019	6	79,440		
1/4	1/4	1/4	1/4	1/4	147,535	1/4	139,408	1/4	131,280	1/4	123,153	1/4	113,968	1/4	102,374	1/4	90,777	1/4	79,200		
1/2	1/2	1/2	1/2	1/2	147,366	1/2	139,238	1/2	131,111	1/2	122,984	1/2	113,727	1/2	102,132	1/2	90,536	1/2	78,959		
3/4	3/4	3/4	3/4	3/4	147,196	3/4	139,069	3/4	130,942	3/4	122,814	3/4	113,486	3/4	101,891	3/4	90,294	3/4	78,719		
7		7		7	147,027	7	138,900	7	130,772	7	122,645	7	113,245	7	101,649	7	90,053	7	78,479		
1/4	1/4	1/4	1/4	1/4	146,858	1/4	138,730	1/4	130,603	1/4	122,476	1/4	113,004	1/4	101,408	1/4	89,811	1/4	78,239		
1/2	1/2	1/2	1/2	1/2	146,688	1/2	138,561	1/2	130,434	1/2	122,306	1/2	112,763	1/2	101,166	1/2	89,569	1/2	77,999		
3/4	3/4	3/4	3/4	3/4	146,519	3/4	138,392	3/4	130,264	3/4	122,138	3/4	112,521	3/4	100,924	3/4	89,328	3/4	77,759		
8		8		8	146,350	8	138,222	8	130,095	8	121,969	8	112,279	8	100,683	8	89,086	8	77,518		
1/4	1/4	1/4	1/4	1/4	146,180	1/4	138,053	1/4	129,926	1/4	121,800	1/4	112,038	1/4	100,441	1/4	88,845	1/4	77,278		
1/2	1/2	1/2	1/2	1/2	146,011	1/2	137,884	1/2	129,756	1/2	121,631	1/2	111,796	1/2	100,200	1/2	88,603	1/2	77,038		
3/4	3/4	3/4	3/4	3/4	145,842	3/4	137,714	3/4	129,587	3/4	121,463	3/4	111,555	3/4	99,958	3/4	88,361	3/4	76,798		
9		9		9	145,672	9	137,545	9	129,418	9	121,294	9	111,313	9	99,716	9	88,120	9	76,558		
1/4	1/4	1/4	1/4	1/4	145,503	1/4	137,376	1/4	129,248	1/4	121,125	1/4	111,071	1/4	99,475	1/4	87,878	1/4	76,318		
1/2	1/2	1/2	1/2	1/2	145,334	1/2	137,206	1/2	129,079	1/2	120,956	1/2	110,830	1/2	99,233	1/2	87,637	1/2	76,078		
3/4	3/4	3/4	3/4	3/4	145,165	3/4	137,037	3/4	128,910	3/4	120,788	3/4	110,588	3/4	98,992	3/4	87,395	3/4	75,837		
10		10		10	144,995	10	136,868	10	128,740	10	120,619	10	110,347	10	98,750	10	87,153	10	75,597		
1/4	1/4	1/4	1/4	1/4	144,826	1/4	136,699	1/4	128,571	1/4	120,450	1/4	110,105	1/4	98,508	1/4	86,912	1/4	75,357		
1/2	1/2	1/2	1/2	1/2	144,657	1/2	136,529	1/2	128,402	1/2	120,281	1/2	109,863	1/2	98,267	1/2	86,670	1/2	75,117		
3/4	3/4	3/4	3/4	3/4	144,487	3/4	136,360	3/4	128,233	3/4	120,113	3/4	109,622	3/4	98,025	3/4	86,429	3/4	74,876		
11		11		11	151,585	11	144,318	11	136,191	11	128,063	11	119,944	11	109,380	11	97,784	11	86,187	11	74,635
1/4	1/4	1/4	1/4	1/4	151,565	1/4	144,149	1/4	136,021	1/4	127,894	1/4	119,775	1/4	109,139	1/4	97,542	1/4	85,945	1/4	74,394
1/2	1/2	1/2	1/2	1/2	151,545	1/2	143,979	1/2	135,852	1/2	127,725	1/2	119,606	1/2	108,897	1/2	97,300	1/2	85,704	1/2	74,153
3/4	3/4	3/4	3/4	3/4	151,484	3/4	143,810	3/4	135,683	3/4	127,555	3/4	119,438	3/4	108,655	3/4	97,059	3/4	85,462	3/4	73,912

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 23'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 1419"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

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	73,671	0	62,083	0	50,491	0	38,899	0	27,550	0	15,974	0	4,369	0		0		0	
1/4	73,431	1/4	61,841	1/4	50,249	1/4	38,657	1/4	27,315	1/4	15,732	1/4	4,130	1/4	1/4		1/4		1/4
1/2	73,190	1/2	61,600	1/2	50,008	1/2	38,416	1/2	27,081	1/2	15,490	1/2	3,891	1/2	1/2		1/2		1/2
3/4	72,949	3/4	61,358	3/4	49,766	3/4	38,174	3/4	26,846	3/4	15,248	3/4	3,653	3/4	3/4		3/4		3/4
1	72,708	1	61,117	1	49,525	1	37,933	1	26,611	1	15,006	1	3,416	1	1		1		1
1/4	72,467	1/4	60,875	1/4	49,283	1/4	37,691	1/4	26,377	1/4	14,764	1/4	3,179	1/4	1/4		1/4		1/4
1/2	72,226	1/2	60,634	1/2	49,042	1/2	37,450	1/2	26,142	1/2	14,522	1/2	2,941	1/2	1/2		1/2		1/2
3/4	71,985	3/4	60,392	3/4	48,800	3/4	37,208	3/4	25,900	3/4	14,280	3/4	2,720	3/4	3/4		3/4		3/4
2	71,743	2	60,151	2	48,559	2	36,967	2	25,658	2	14,038	2	2,499	2	2		2		2
1/4	71,502	1/4	59,909	1/4	48,317	1/4	36,725	1/4	25,416	1/4	13,796	1/4	2,278	1/4	1/4		1/4		1/4
1/2	71,260	1/2	59,668	1/2	48,076	1/2	36,484	1/2	25,173	1/2	13,553	1/2	2,057	1/2	1/2		1/2		1/2
3/4	71,018	3/4	59,426	3/4	47,834	3/4	36,242	3/4	24,931	3/4	13,311	3/4	1,875	3/4	3/4		3/4		3/4
3	70,777	3	59,185	3	47,593	3	36,001	3	24,689	3	13,069	3	1,693	3	3		3		3
1/4	70,535	1/4	58,943	1/4	47,351	1/4	35,759	1/4	24,447	1/4	12,827	1/4	1,512	1/4	1/4		1/4		1/4
1/2	70,294	1/2	58,702	1/2	47,110	1/2	35,518	1/2	24,205	1/2	12,585	1/2	1,330	1/2	1/2		1/2		1/2
3/4	70,052	3/4	58,460	3/4	46,868	3/4	35,284	3/4	23,963	3/4	12,343	3/4	1,189	3/4	3/4		3/4		3/4
4	69,811	4	58,219	4	46,627	4	35,049	4	23,721	4	12,101	4	1,048	4	4		4		4
1/4	69,569	1/4	57,977	1/4	46,385	1/4	34,815	1/4	23,479	1/4	11,859	1/4	907	1/4	1/4		1/4		1/4
1/2	69,328	1/2	57,736	1/2	46,144	1/2	34,581	1/2	23,237	1/2	11,617	1/2	766	1/2	1/2		1/2		1/2
3/4	69,086	3/4	57,494	3/4	45,902	3/4	34,346	3/4	22,995	3/4	11,375	3/4	665	3/4	3/4		3/4		3/4
5	68,845	5	57,253	5	45,661	5	34,112	5	22,753	5	11,133	5	564	5	5		5		5
1/4	68,603	1/4	57,011	1/4	45,419	1/4	33,878	1/4	22,511	1/4	10,891	1/4	463	1/4	1/4		1/4		1/4
1/2	68,362	1/2	56,770	1/2	45,178	1/2	33,643	1/2	22,268	1/2	10,648	1/2	362	1/2	1/2		1/2		1/2
3/4	68,120	3/4	56,528	3/4	44,936	3/4	33,409	3/4	22,026	3/4	10,406	3/4	302	3/4	3/4		3/4		3/4
6	67,879	6	56,287	6	44,695	6	33,175	6	21,784	6	10,164	6	241	6	6		6		6
1/4	67,637	1/4	56,045	1/4	44,453	1/4	32,940	1/4	21,542	1/4	9,922	1/4	181	1/4	1/4		1/4		1/4
1/2	67,396	1/2	55,804	1/2	44,212	1/2	32,706	1/2	21,300	1/2	9,680	1/2	120	1/2	1/2		1/2		1/2
3/4	67,154	3/4	55,562	3/4	43,970	3/4	32,472	3/4	21,058	3/4	9,438	3/4	100	3/4	3/4		3/4		3/4
7	66,913	7	55,321	7	43,729	7	32,237	7	20,816	7	9,196	7	80	7	7		7		7
1/4	66,671	1/4	55,079	1/4	43,487	1/4	32,003	1/4	20,574	1/4	8,954	1/4	60	1/4	1/4		1/4		1/4
1/2	66,430	1/2	54,838	1/2	43,246	1/2	31,769	1/2	20,332	1/2	8,712	1/2	39	1/2	1/2		1/2		1/2
3/4	66,188	3/4	54,596	3/4	43,004	3/4	31,534	3/4	20,090	3/4	8,470	3/4		3/4	3/4		3/4		3/4
8	65,947	8	54,355	8	42,763	8	31,300	8	19,848	8	8,228	8		8	8		8		8
1/4	65,705	1/4	54,113	1/4	42,521	1/4	31,066	1/4	19,606	1/4	7,986	1/4		1/4	1/4		1/4		1/4
1/2	65,464	1/2	53,872	1/2	42,280	1/2	30,831	1/2	19,363	1/2	7,744	1/2		1/2	1/2		1/2		1/2
3/4	65,222	3/4	53,630	3/4	42,038	3/4	30,597	3/4	19,121	3/4	7,502	3/4		3/4	3/4		3/4		3/4
9	64,981	9	53,389	9	41,797	9	30,363	9	18,879	9	7,260	9		9	9		9		9
1/4	64,739	1/4	53,147	1/4	41,555	1/4	30,128	1/4	18,637	1/4	7,018	1/4		1/4	1/4		1/4		1/4
1/2	64,498	1/2	52,906	1/2	41,314	1/2	29,894	1/2	18,395	1/2	6,776	1/2		1/2	1/2		1/2		1/2
3/4	64,256	3/4	52,664	3/4	41,072	3/4	29,660	3/4	18,153	3/4	6,535	3/4		3/4	3/4		3/4		3/4
10	64,015	10	52,423	10	40,831	10	29,425	10	17,911	10	6,293	10		10	10		10		10
1/4	63,773	1/4	52,181	1/4	40,589	1/4	29,191	1/4	17,669	1/4	6,052	1/4		1/4	1/4		1/4		1/4
1/2	63,532	1/2	51,940	1/2	40,348	1/2	28,957	1/2	17,427	1/2	5,810	1/2		1/2	1/2		1/2		1/2
3/4	63,290	3/4	51,698	3/4	40,106	3/4	28,722	3/4	17,185	3/4	5,570	3/4		3/4	3/4		3/4		3/4
11	63,049	11	51,457	11	39,865	11	28,488	11	16,943	11	5,329	11		11	11		11		11
1/4	62,807	1/4	51,215	1/4	39,623	1/4	28,254	1/4	16,701	1/4	5,089	1/4		1/4	1/4		1/4		1/4
1/2	62,566	1/2	50,974	1/2	39,382	1/2	28,019	1/2	16,458	1/2	4,848	1/2		1/2	1/2		1/2		1/2
3/4	62,324	3/4	50,732	3/4	39,140	3/4	27,785	3/4	16,216	3/4	4,609	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/11/2019 JS  
CALCULATED: 12/11/2019 CL  
PRINTED: 12/11/2019 SW

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019



# BARGE "CBC 1419"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0	190,870	0	179,563	0	166,133	0	152,704	0	139,274	0	125,845	0	112,415	0	98,986		
1/4	1/4	1/4	1/4	1/4	190,800	1/4	179,283	1/4	165,853	1/4	152,424	1/4	138,994	1/4	125,565	1/4	112,135	1/4	98,706		
1/2	1/2	1/2	1/2	1/2	190,731	1/2	179,003	1/2	165,574	1/2	152,144	1/2	138,715	1/2	125,285	1/2	111,856	1/2	98,426		
3/4	3/4	3/4	3/4	3/4	190,661	3/4	178,723	3/4	165,294	3/4	151,864	3/4	138,435	3/4	125,005	3/4	111,576	3/4	98,146		
1	1	1	1	1	190,544	1	178,444	1	165,014	1	151,584	1	138,155	1	124,725	1	111,296	1	97,866		
1/4	1/4	1/4	1/4	1/4	190,427	1/4	178,164	1/4	164,734	1/4	151,305	1/4	137,875	1/4	124,446	1/4	111,016	1/4	97,587		
1/2	1/2	1/2	1/2	1/2	190,311	1/2	177,884	1/2	164,454	1/2	151,025	1/2	137,595	1/2	124,166	1/2	110,736	1/2	97,307		
3/4	3/4	3/4	3/4	3/4	190,194	3/4	177,604	3/4	164,175	3/4	150,745	3/4	137,316	3/4	123,886	3/4	110,457	3/4	97,027		
2	2	2	2	2	190,031	2	177,324	2	163,895	2	150,465	2	137,036	2	123,606	2	110,177	2	96,747		
1/4	1/4	1/4	1/4	1/4	189,868	1/4	177,045	1/4	163,615	1/4	150,186	1/4	136,756	1/4	123,327	1/4	109,897	1/4	96,468		
1/2	1/2	1/2	1/2	1/2	189,705	1/2	176,765	1/2	163,335	1/2	149,906	1/2	136,476	1/2	123,047	1/2	109,617	1/2	96,188		
3/4	3/4	3/4	3/4	3/4	189,541	3/4	176,485	3/4	163,056	3/4	149,626	3/4	136,197	3/4	122,767	3/4	109,337	3/4	95,908		
3	3	3	3	3	189,332	3	176,205	3	162,776	3	149,346	3	135,917	3	122,487	3	109,058	3	95,628		
1/4	1/4	1/4	1/4	1/4	189,122	1/4	175,925	1/4	162,496	1/4	149,066	1/4	135,637	1/4	122,207	1/4	108,778	1/4	95,348		
1/2	1/2	1/2	1/2	1/2	188,912	1/2	175,646	1/2	162,216	1/2	148,787	1/2	135,357	1/2	121,928	1/2	108,498	1/2	95,069		
3/4	3/4	3/4	3/4	3/4	188,702	3/4	175,366	3/4	161,936	3/4	148,507	3/4	135,077	3/4	121,648	3/4	108,218	3/4	94,789		
4	4	4	4	4	188,446	4	175,086	4	161,657	4	148,227	4	134,798	4	121,368	4	107,939	4	94,509		
1/4	1/4	1/4	1/4	1/4	188,189	1/4	174,806	1/4	161,377	1/4	147,947	1/4	134,518	1/4	121,088	1/4	107,659	1/4	94,229		
1/2	1/2	1/2	1/2	1/2	187,933	1/2	174,527	1/2	161,097	1/2	147,668	1/2	134,238	1/2	120,809	1/2	107,379	1/2	93,950		
3/4	3/4	3/4	3/4	3/4	187,676	3/4	174,247	3/4	160,817	3/4	147,388	3/4	133,958	3/4	120,529	3/4	107,099	3/4	93,670		
5	5	5	5	5	187,397	5	173,967	5	160,537	5	147,108	5	133,678	5	120,249	5	106,819	5	93,390		
1/4	1/4	1/4	1/4	1/4	187,117	1/4	173,687	1/4	160,258	1/4	146,828	1/4	133,399	1/4	119,969	1/4	106,540	1/4	93,110		
1/2	1/2	1/2	1/2	1/2	186,837	1/2	173,407	1/2	159,978	1/2	146,548	1/2	133,119	1/2	119,689	1/2	106,260	1/2	92,830		
3/4	3/4	3/4	3/4	3/4	186,557	3/4	173,128	3/4	159,698	3/4	146,269	3/4	132,839	3/4	119,410	3/4	105,980	3/4	92,551		
6	6	6	6	6	186,277	6	172,848	6	159,418	6	145,989	6	132,559	6	119,130	6	105,700	6	92,271		
1/4	1/4	1/4	1/4	1/4	185,998	1/4	172,568	1/4	159,139	1/4	145,709	1/4	132,280	1/4	118,850	1/4	105,421	1/4	91,991		
1/2	1/2	1/2	1/2	1/2	185,718	1/2	172,288	1/2	158,859	1/2	145,429	1/2	132,000	1/2	118,570	1/2	105,141	1/2	91,711		
3/4	3/4	3/4	3/4	3/4	185,438	3/4	172,009	3/4	158,579	3/4	145,150	3/4	131,720	3/4	118,290	3/4	104,861	3/4	91,431		
7	7	7	7	7	185,158	7	171,729	7	158,299	7	144,870	7	131,440	7	118,011	7	104,581	7	91,152		
1/4	1/4	1/4	1/4	1/4	184,878	1/4	171,449	1/4	158,019	1/4	144,590	1/4	131,160	1/4	117,731	1/4	104,301	1/4	90,872		
1/2	1/2	1/2	1/2	1/2	184,599	1/2	171,169	1/2	157,740	1/2	144,310	1/2	130,881	1/2	117,451	1/2	104,022	1/2	90,592		
3/4	3/4	3/4	3/4	3/4	184,319	3/4	170,889	3/4	157,460	3/4	144,030	3/4	130,601	3/4	117,171	3/4	103,742	3/4	90,312		
8	8	8	8	8	184,039	8	170,610	8	157,180	8	143,751	8	130,321	8	116,892	8	103,462	8	90,033		
1/4	1/4	1/4	1/4	1/4	183,759	1/4	170,330	1/4	156,900	1/4	143,471	1/4	130,041	1/4	116,612	1/4	103,182	1/4	89,753		
1/2	1/2	1/2	1/2	1/2	183,480	1/2	170,050	1/2	156,621	1/2	143,191	1/2	129,762	1/2	116,332	1/2	102,903	1/2	89,473		
3/4	3/4	3/4	3/4	3/4	183,200	3/4	169,770	3/4	156,341	3/4	142,911	3/4	129,482	3/4	116,052	3/4	102,623	3/4	89,193		
9	9	9	9	9	182,920	9	169,491	9	156,061	9	142,631	9	129,202	9	115,772	9	102,343	9	88,913		
1/4	1/4	1/4	1/4	1/4	182,640	1/4	169,211	1/4	155,781	1/4	142,352	1/4	128,922	1/4	115,493	1/4	102,063	1/4	88,634		
1/2	1/2	1/2	1/2	1/2	182,360	1/2	168,931	1/2	155,501	1/2	142,072	1/2	128,642	1/2	115,213	1/2	101,783	1/2	88,354		
3/4	3/4	3/4	3/4	3/4	182,081	3/4	168,651	3/4	155,222	3/4	141,792	3/4	128,363	3/4	114,933	3/4	101,504	3/4	88,074		
10	10	10	10	10	181,801	10	168,371	10	154,942	10	141,512	10	128,083	10	114,653	10	101,224	10	87,794		
1/4	1/4	1/4	1/4	1/4	181,521	1/4	168,092	1/4	154,662	1/4	141,233	1/4	127,803	1/4	114,374	1/4	100,944	1/4	87,515		
1/2	1/2	1/2	1/2	1/2	181,241	1/2	167,812	1/2	154,382	1/2	140,953	1/2	127,523	1/2	114,094	1/2	100,664	1/2	87,235		
3/4	3/4	3/4	3/4	3/4	180,962	3/4	167,532	3/4	154,103	3/4	140,673	3/4	127,244	3/4	113,814	3/4	100,384	3/4	86,955		
11	11	11	11	11	180,682	11	167,252	11	153,823	11	140,393	11	126,964	11	113,534	11	100,105	11	86,675		
1/4	1/4	1/4	1/4	1/4	190,987	1/4	180,402	1/4	166,972	1/4	153,543	1/4	140,113	1/4	126,684	1/4	113,254	1/4	99,825	1/4	86,395
1/2	1/2	1/2	1/2	190,964	1/2	180,122	1/2	166,693	1/2	153,263	1/2	139,834	1/2	126,404	1/2	112,975	1/2	99,545	1/2	86,116	
3/4	3/4	3/4	3/4	190,940	3/4	179,842	3/4	166,413	3/4	152,983	3/4	139,554	3/4	126,124	3/4	112,695	3/4	99,265	3/4	85,836	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 36'-00" FORWARD OF AFT BULKHEAD.

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 1419"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 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	85,556	0	72,127	0	58,697	0	45,268	0	32,140	0	18,735	0	5,320	0		0		0	
1/4	85,276	1/4	71,847	1/4	58,417	1/4	44,988	1/4	31,868	1/4	18,455	1/4	5,043	1/4	1/4	1/4		1/4	
1/2	84,996	1/2	71,567	1/2	58,137	1/2	44,708	1/2	31,596	1/2	18,175	1/2	4,767	1/2	1/2	1/2		1/2	
3/4	84,717	3/4	71,287	3/4	57,858	3/4	44,428	3/4	31,324	3/4	17,895	3/4	4,490	3/4	3/4	3/4		3/4	
1	84,437	1	71,007	1	57,578	1	44,148	1	31,045	1	17,616	1	4,216	1	1	1		1	
1/4	84,157	1/4	70,728	1/4	57,298	1/4	43,869	1/4	30,765	1/4	17,336	1/4	3,942	1/4	1/4	1/4		1/4	
1/2	83,877	1/2	70,448	1/2	57,018	1/2	43,589	1/2	30,485	1/2	17,056	1/2	3,667	1/2	1/2	1/2		1/2	
3/4	83,598	3/4	70,168	3/4	56,739	3/4	43,309	3/4	30,205	3/4	16,776	3/4	3,393	3/4	3/4	3/4		3/4	
2	83,318	2	69,888	2	56,459	2	43,029	2	29,926	2	16,497	2	3,137	2	2	2		2	
1/4	83,038	1/4	69,609	1/4	56,179	1/4	42,749	1/4	29,646	1/4	16,217	1/4	2,882	1/4	1/4	1/4		1/4	
1/2	82,758	1/2	69,329	1/2	55,899	1/2	42,470	1/2	29,366	1/2	15,937	1/2	2,626	1/2	1/2	1/2		1/2	
3/4	82,478	3/4	69,049	3/4	55,619	3/4	42,190	3/4	29,086	3/4	15,657	3/4	2,370	3/4	3/4	3/4		3/4	
3	82,199	3	68,769	3	55,340	3	41,918	3	28,806	3	15,377	3	2,160	3	3	3		3	
1/4	81,919	1/4	68,489	1/4	55,060	1/4	41,646	1/4	28,527	1/4	15,098	1/4	1,951	1/4	1/4	1/4		1/4	
1/2	81,639	1/2	68,210	1/2	54,780	1/2	41,374	1/2	28,247	1/2	14,818	1/2	1,741	1/2	1/2	1/2		1/2	
3/4	81,359	3/4	67,930	3/4	54,500	3/4	41,102	3/4	27,967	3/4	14,538	3/4	1,531	3/4	3/4	3/4		3/4	
4	81,080	4	67,650	4	54,221	4	40,831	4	27,687	4	14,258	4	1,368	4	4	4		4	
1/4	80,800	1/4	67,370	1/4	53,941	1/4	40,559	1/4	27,408	1/4	13,979	1/4	1,205	1/4	1/4	1/4		1/4	
1/2	80,520	1/2	67,090	1/2	53,661	1/2	40,288	1/2	27,128	1/2	13,699	1/2	1,041	1/2	1/2	1/2		1/2	
3/4	80,240	3/4	66,811	3/4	53,381	3/4	40,016	3/4	26,848	3/4	13,419	3/4	878	3/4	3/4	3/4		3/4	
5	79,960	5	66,531	5	53,101	5	39,744	5	26,568	5	13,139	5	762	5	5	5		5	
1/4	79,681	1/4	66,251	1/4	52,822	1/4	39,473	1/4	26,289	1/4	12,859	1/4	645	1/4	1/4	1/4		1/4	
1/2	79,401	1/2	65,971	1/2	52,542	1/2	39,201	1/2	26,009	1/2	12,580	1/2	528	1/2	1/2	1/2		1/2	
3/4	79,121	3/4	65,692	3/4	52,262	3/4	38,930	3/4	25,729	3/4	12,300	3/4	412	3/4	3/4	3/4		3/4	
6	78,841	6	65,412	6	51,982	6	38,658	6	25,449	6	12,020	6	342	6	6	6		6	
1/4	78,562	1/4	65,132	1/4	51,702	1/4	38,387	1/4	25,169	1/4	11,740	1/4	272	1/4	1/4	1/4		1/4	
1/2	78,282	1/2	64,852	1/2	51,423	1/2	38,115	1/2	24,890	1/2	11,461	1/2	202	1/2	1/2	1/2		1/2	
3/4	78,002	3/4	64,572	3/4	51,143	3/4	37,843	3/4	24,610	3/4	11,181	3/4	132	3/4	3/4	3/4		3/4	
7	77,722	7	64,293	7	50,863	7	37,572	7	24,330	7	10,901	7	109	7	7	7		7	
1/4	77,442	1/4	64,013	1/4	50,583	1/4	37,300	1/4	24,050	1/4	10,621	1/4	86	1/4	1/4	1/4		1/4	
1/2	77,163	1/2	63,733	1/2	50,304	1/2	37,029	1/2	23,771	1/2	10,342	1/2	62	1/2	1/2	1/2		1/2	
3/4	76,883	3/4	63,453	3/4	50,024	3/4	36,757	3/4	23,491	3/4	10,062	3/4	39	3/4	3/4	3/4		3/4	
8	76,603	8	63,174	8	49,744	8	36,486	8	23,211	8	9,782	8		8	8	8		8	
1/4	76,323	1/4	62,894	1/4	49,464	1/4	36,214	1/4	22,931	1/4	9,502	1/4		1/4	1/4	1/4		1/4	
1/2	76,043	1/2	62,614	1/2	49,184	1/2	35,942	1/2	22,652	1/2	9,222	1/2		1/2	1/2	1/2		1/2	
3/4	75,764	3/4	62,334	3/4	48,905	3/4	35,671	3/4	22,372	3/4	8,943	3/4		3/4	3/4	3/4		3/4	
9	75,484	9	62,054	9	48,625	9	35,399	9	22,092	9	8,663	9		9	9	9		9	
1/4	75,204	1/4	61,775	1/4	48,345	1/4	35,128	1/4	21,812	1/4	8,384	1/4		1/4	1/4	1/4		1/4	
1/2	74,924	1/2	61,495	1/2	48,065	1/2	34,856	1/2	21,532	1/2	8,104	1/2		1/2	1/2	1/2		1/2	
3/4	74,645	3/4	61,215	3/4	47,786	3/4	34,585	3/4	21,253	3/4	7,825	3/4		3/4	3/4	3/4		3/4	
10	74,365	10	60,935	10	47,506	10	34,313	10	20,973	10	7,546	10		10	10	10		10	
1/4	74,085	1/4	60,656	1/4	47,226	1/4	34,042	1/4	20,693	1/4	7,267	1/4		1/4	1/4	1/4		1/4	
1/2	73,805	1/2	60,376	1/2	46,946	1/2	33,770	1/2	20,413	1/2	6,988	1/2		1/2	1/2	1/2		1/2	
3/4	73,525	3/4	60,096	3/4	46,666	3/4	33,498	3/4	20,134	3/4	6,709	3/4		3/4	3/4	3/4		3/4	
11	73,246	11	59,816	11	46,387	11	33,227	11	19,854	11	6,431	11		11	11	11		11	
1/4	72,966	1/4	59,536	1/4	46,107	1/4	32,955	1/4	19,574	1/4	6,153	1/4		1/4	1/4	1/4		1/4	
1/2	72,686	1/2	59,257	1/2	45,827	1/2	32,684	1/2	19,294	1/2	5,875	1/2		1/2	1/2	1/2		1/2	
3/4	72,406	3/4	58,977	3/4	45,547	3/4	32,412	3/4	19,014	3/4	5,596	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/11/2019 JS  
CALCULATED: 12/11/2019 CL  
PRINTED: 12/11/2019 SW

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019



# BARGE "CBC 1419"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0	170,705	0	160,608	0	148,616	0	136,624	0	124,633	0	112,641	0	100,649	0	88,658		
1/4	1/4	1/4	1/4	1/4	170,642	1/4	160,358	1/4	148,366	1/4	136,375	1/4	124,383	1/4	112,391	1/4	100,400	1/4	88,408		
1/2	1/2	1/2	1/2	1/2	170,580	1/2	160,108	1/2	148,116	1/2	136,125	1/2	124,133	1/2	112,141	1/2	100,150	1/2	88,158		
3/4	3/4	3/4	3/4	3/4	170,518	3/4	159,858	3/4	147,867	3/4	135,875	3/4	123,883	3/4	111,892	3/4	99,900	3/4	87,908		
1	1	1	1	1	170,413	1	159,608	1	147,617	1	135,625	1	123,633	1	111,642	1	99,650	1	87,658		
1/4	1/4	1/4	1/4	1/4	170,309	1/4	159,359	1/4	147,367	1/4	135,375	1/4	123,384	1/4	111,392	1/4	99,400	1/4	87,409		
1/2	1/2	1/2	1/2	1/2	170,205	1/2	159,109	1/2	147,117	1/2	135,125	1/2	123,134	1/2	111,142	1/2	99,150	1/2	87,159		
3/4	3/4	3/4	3/4	3/4	170,101	3/4	158,859	3/4	146,867	3/4	134,876	3/4	122,884	3/4	110,892	3/4	98,901	3/4	86,909		
2	2	2	2	2	169,955	2	158,609	2	146,617	2	134,626	2	122,634	2	110,642	2	98,651	2	86,659		
1/4	1/4	1/4	1/4	1/4	169,810	1/4	158,359	1/4	146,368	1/4	134,376	1/4	122,384	1/4	110,393	1/4	98,401	1/4	86,409		
1/2	1/2	1/2	1/2	1/2	169,664	1/2	158,109	1/2	146,118	1/2	134,126	1/2	122,134	1/2	110,143	1/2	98,151	1/2	86,159		
3/4	3/4	3/4	3/4	3/4	169,518	3/4	157,860	3/4	145,868	3/4	133,876	3/4	121,885	3/4	109,893	3/4	97,901	3/4	85,910		
3	3	3	3	3	169,331	3	157,610	3	145,618	3	133,626	3	121,635	3	109,643	3	97,651	3	85,660		
1/4	1/4	1/4	1/4	1/4	169,144	1/4	157,360	1/4	145,368	1/4	133,377	1/4	121,385	1/4	109,393	1/4	97,402	1/4	85,410		
1/2	1/2	1/2	1/2	1/2	168,956	1/2	157,110	1/2	145,119	1/2	133,127	1/2	121,135	1/2	109,143	1/2	97,152	1/2	85,160		
3/4	3/4	3/4	3/4	3/4	168,769	3/4	156,860	3/4	144,869	3/4	132,877	3/4	120,885	3/4	108,894	3/4	96,902	3/4	84,910		
4	4	4	4	4	168,540	4	156,611	4	144,619	4	132,627	4	120,636	4	108,644	4	96,652	4	84,660		
1/4	1/4	1/4	1/4	1/4	168,311	1/4	156,361	1/4	144,369	1/4	132,377	1/4	120,386	1/4	108,394	1/4	96,402	1/4	84,411		
1/2	1/2	1/2	1/2	1/2	168,082	1/2	156,111	1/2	144,119	1/2	132,128	1/2	120,136	1/2	108,144	1/2	96,153	1/2	84,161		
3/4	3/4	3/4	3/4	3/4	167,853	3/4	155,861	3/4	143,869	3/4	131,878	3/4	119,886	3/4	107,894	3/4	95,903	3/4	83,911		
5	5	5	5	5	167,603	5	155,611	5	143,620	5	131,628	5	119,636	5	107,645	5	95,653	5	83,661		
1/4	1/4	1/4	1/4	1/4	167,353	1/4	155,361	1/4	143,370	1/4	131,378	1/4	119,386	1/4	107,395	1/4	95,403	1/4	83,411		
1/2	1/2	1/2	1/2	1/2	167,103	1/2	155,112	1/2	143,120	1/2	131,128	1/2	119,137	1/2	107,145	1/2	95,153	1/2	83,162		
3/4	3/4	3/4	3/4	3/4	166,853	3/4	154,862	3/4	142,870	3/4	130,878	3/4	118,887	3/4	106,895	3/4	94,903	3/4	82,912		
6	6	6	6	6	166,604	6	154,612	6	142,620	6	130,629	6	118,637	6	106,645	6	94,654	6	82,662		
1/4	1/4	1/4	1/4	1/4	166,354	1/4	154,362	1/4	142,370	1/4	130,379	1/4	118,387	1/4	106,395	1/4	94,404	1/4	82,412		
1/2	1/2	1/2	1/2	1/2	166,104	1/2	154,112	1/2	142,121	1/2	130,129	1/2	118,137	1/2	106,146	1/2	94,154	1/2	82,162		
3/4	3/4	3/4	3/4	3/4	165,854	3/4	153,862	3/4	141,871	3/4	129,879	3/4	117,887	3/4	105,896	3/4	93,904	3/4	81,912		
7	7	7	7	7	165,604	7	153,613	7	141,621	7	129,629	7	117,638	7	105,646	7	93,654	7	81,663		
1/4	1/4	1/4	1/4	1/4	165,354	1/4	153,363	1/4	141,371	1/4	129,379	1/4	117,388	1/4	105,396	1/4	93,404	1/4	81,413		
1/2	1/2	1/2	1/2	1/2	165,105	1/2	153,113	1/2	141,121	1/2	129,130	1/2	117,138	1/2	105,146	1/2	93,155	1/2	81,163		
3/4	3/4	3/4	3/4	3/4	164,855	3/4	152,863	3/4	140,871	3/4	128,880	3/4	116,888	3/4	104,896	3/4	92,905	3/4	80,913		
8	8	8	8	8	164,605	8	152,613	8	140,622	8	128,630	8	116,638	8	104,647	8	92,655	8	80,663		
1/4	1/4	1/4	1/4	1/4	164,355	1/4	152,363	1/4	140,372	1/4	128,380	1/4	116,388	1/4	104,397	1/4	92,405	1/4	80,413		
1/2	1/2	1/2	1/2	1/2	164,105	1/2	152,114	1/2	140,122	1/2	128,130	1/2	116,139	1/2	104,147	1/2	92,155	1/2	80,164		
3/4	3/4	3/4	3/4	3/4	163,856	3/4	151,864	3/4	139,872	3/4	127,880	3/4	115,889	3/4	103,897	3/4	91,905	3/4	79,914		
9	9	9	9	9	163,606	9	151,614	9	139,622	9	127,631	9	115,639	9	103,647	9	91,656	9	79,664		
1/4	1/4	1/4	1/4	1/4	163,356	1/4	151,364	1/4	139,373	1/4	127,381	1/4	115,389	1/4	103,397	1/4	91,406	1/4	79,414		
1/2	1/2	1/2	1/2	1/2	163,106	1/2	151,114	1/2	139,123	1/2	127,131	1/2	115,139	1/2	103,148	1/2	91,156	1/2	79,164		
3/4	3/4	3/4	3/4	3/4	162,856	3/4	150,865	3/4	138,873	3/4	126,881	3/4	114,889	3/4	102,898	3/4	90,906	3/4	78,914		
10	10	10	10	10	162,606	10	150,615	10	138,623	10	126,631	10	114,640	10	102,648	10	90,656	10	78,665		
1/4	1/4	1/4	1/4	1/4	162,357	1/4	150,365	1/4	138,373	1/4	126,382	1/4	114,390	1/4	102,398	1/4	90,406	1/4	78,415		
1/2	1/2	1/2	1/2	1/2	162,107	1/2	150,115	1/2	138,123	1/2	126,132	1/2	114,140	1/2	102,148	1/2	90,157	1/2	78,165		
3/4	3/4	3/4	3/4	3/4	161,857	3/4	149,865	3/4	137,874	3/4	125,882	3/4	113,890	3/4	101,899	3/4	89,907	3/4	77,915		
11	11	11	11	11	161,607	11	149,615	11	137,624	11	125,632	11	113,640	11	101,649	11	89,657	11	77,665		
1/4	1/4	1/4	1/4	1/4	170,809	1/4	161,357	1/4	149,366	1/4	137,374	1/4	125,382	1/4	113,391	1/4	101,399	1/4	89,407	1/4	77,416
1/2	1/2	1/2	1/2	1/2	170,788	1/2	161,107	1/2	149,116	1/2	137,124	1/2	125,132	1/2	113,141	1/2	101,149	1/2	89,157	1/2	77,166
3/4	3/4	3/4	3/4	3/4	170,767	3/4	160,858	3/4	148,866	3/4	136,874	3/4	124,883	3/4	112,891	3/4	100,898	3/4	88,908	3/4	76,916

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "CBC 1419"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 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	76,666	0	64,674	0	52,683	0	40,691	0	28,723	0	16,734	0	4,755	0		0		0	
1/4	76,416	1/4	64,425	1/4	52,433	1/4	40,441	1/4	28,473	1/4	16,484	1/4	4,508	1/4		1/4		1/4	
1/2	76,166	1/2	64,175	1/2	52,183	1/2	40,191	1/2	28,224	1/2	16,234	1/2	4,261	1/2		1/2		1/2	
3/4	75,917	3/4	63,925	3/4	51,933	3/4	39,942	3/4	27,974	3/4	15,985	3/4	4,014	3/4		3/4		3/4	
1	75,667	1	63,675	1	51,683	1	39,692	1	27,725	1	15,735	1	3,770	1		1		1	
1/4	75,417	1/4	63,425	1/4	51,434	1/4	39,442	1/4	27,475	1/4	15,485	1/4	3,525	1/4		1/4		1/4	
1/2	75,167	1/2	63,175	1/2	51,184	1/2	39,192	1/2	27,226	1/2	15,235	1/2	3,280	1/2		1/2		1/2	
3/4	74,917	3/4	62,926	3/4	50,934	3/4	38,942	3/4	26,977	3/4	14,985	3/4	3,035	3/4		3/4		3/4	
2	74,667	2	62,676	2	50,684	2	38,692	2	26,727	2	14,735	2	2,807	2		2		2	
1/4	74,418	1/4	62,426	1/4	50,434	1/4	38,443	1/4	26,477	1/4	14,486	1/4	2,578	1/4		1/4		1/4	
1/2	74,168	1/2	62,176	1/2	50,184	1/2	38,193	1/2	26,227	1/2	14,236	1/2	2,350	1/2		1/2		1/2	
3/4	73,918	3/4	61,926	3/4	49,935	3/4	37,943	3/4	25,977	3/4	13,986	3/4	2,122	3/4		3/4		3/4	
3	73,668	3	61,676	3	49,685	3	37,693	3	25,727	3	13,736	3	1,934	3		3		3	
1/4	73,418	1/4	61,427	1/4	49,435	1/4	37,443	1/4	25,478	1/4	13,486	1/4	1,747	1/4		1/4		1/4	
1/2	73,168	1/2	61,177	1/2	49,185	1/2	37,193	1/2	25,228	1/2	13,237	1/2	1,560	1/2		1/2		1/2	
3/4	72,919	3/4	60,927	3/4	48,935	3/4	36,944	3/4	24,978	3/4	12,987	3/4	1,372	3/4		3/4		3/4	
4	72,669	4	60,677	4	48,685	4	36,694	4	24,728	4	12,737	4	1,226	4		4		4	
1/4	72,419	1/4	60,427	1/4	48,436	1/4	36,445	1/4	24,478	1/4	12,487	1/4	1,081	1/4		1/4		1/4	
1/2	72,169	1/2	60,177	1/2	48,186	1/2	36,196	1/2	24,229	1/2	12,237	1/2	935	1/2		1/2		1/2	
3/4	71,919	3/4	59,928	3/4	47,936	3/4	35,947	3/4	23,979	3/4	11,987	3/4	789	3/4		3/4		3/4	
5	71,669	5	59,678	5	47,686	5	35,698	5	23,729	5	11,738	5	685	5		5		5	
1/4	71,420	1/4	59,428	1/4	47,436	1/4	35,449	1/4	23,479	1/4	11,488	1/4	581	1/4		1/4		1/4	
1/2	71,170	1/2	59,178	1/2	47,186	1/2	35,200	1/2	23,229	1/2	11,238	1/2	477	1/2		1/2		1/2	
3/4	70,920	3/4	58,928	3/4	46,937	3/4	34,951	3/4	22,979	3/4	10,988	3/4	373	3/4		3/4		3/4	
6	70,670	6	58,679	6	46,687	6	34,702	6	22,730	6	10,738	6	311	6		6		6	
1/4	70,420	1/4	58,429	1/4	46,437	1/4	34,453	1/4	22,480	1/4	10,489	1/4	248	1/4		1/4		1/4	
1/2	70,171	1/2	58,179	1/2	46,187	1/2	34,203	1/2	22,230	1/2	10,239	1/2	186	1/2		1/2		1/2	
3/4	69,921	3/4	57,929	3/4	45,937	3/4	33,954	3/4	21,980	3/4	9,989	3/4	123	3/4		3/4		3/4	
7	69,671	7	57,679	7	45,688	7	33,705	7	21,730	7	9,739	7	102	7		7		7	
1/4	69,421	1/4	57,429	1/4	45,438	1/4	33,456	1/4	21,481	1/4	9,489	1/4	82	1/4		1/4		1/4	
1/2	69,171	1/2	57,180	1/2	45,188	1/2	33,207	1/2	21,231	1/2	9,239	1/2	61	1/2		1/2		1/2	
3/4	68,921	3/4	56,930	3/4	44,938	3/4	32,958	3/4	20,981	3/4	8,990	3/4	39	3/4		3/4		3/4	
8	68,672	8	56,680	8	44,688	8	32,709	8	20,731	8	8,740	8		8		8		8	
1/4	68,422	1/4	56,430	1/4	44,438	1/4	32,460	1/4	20,481	1/4	8,490	1/4		1/4		1/4		1/4	
1/2	68,172	1/2	56,180	1/2	44,189	1/2	32,211	1/2	20,231	1/2	8,240	1/2		1/2		1/2		1/2	
3/4	67,922	3/4	55,930	3/4	43,939	3/4	31,961	3/4	19,982	3/4	7,990	3/4		3/4		3/4		3/4	
9	67,672	9	55,681	9	43,689	9	31,712	9	19,732	9	7,741	9		9		9		9	
1/4	67,422	1/4	55,431	1/4	43,439	1/4	31,463	1/4	19,482	1/4	7,491	1/4		1/4		1/4		1/4	
1/2	67,173	1/2	55,181	1/2	43,189	1/2	31,214	1/2	19,232	1/2	7,242	1/2		1/2		1/2		1/2	
3/4	66,923	3/4	54,931	3/4	42,939	3/4	30,965	3/4	18,982	3/4	6,992	3/4		3/4		3/4		3/4	
10	66,673	10	54,681	10	42,690	10	30,716	10	18,733	10	6,743	10		10		10		10	
1/4	66,423	1/4	54,431	1/4	42,440	1/4	30,467	1/4	18,483	1/4	6,494	1/4		1/4		1/4		1/4	
1/2	66,173	1/2	54,182	1/2	42,190	1/2	30,218	1/2	18,233	1/2	6,245	1/2		1/2		1/2		1/2	
3/4	65,923	3/4	53,932	3/4	41,940	3/4	29,969	3/4	17,983	3/4	5,996	3/4		3/4		3/4		3/4	
11	65,674	11	53,682	11	41,690	11	29,720	11	17,733	11	5,747	11		11		11		11	
1/4	65,424	1/4	53,432	1/4	41,440	1/4	29,470	1/4	17,483	1/4	5,499	1/4		1/4		1/4		1/4	
1/2	65,174	1/2	53,182	1/2	41,191	1/2	29,221	1/2	17,234	1/2	5,251	1/2		1/2		1/2		1/2	
3/4	64,924	3/4	52,933	3/4	40,941	3/4	28,972	3/4	16,984	3/4	5,002	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/11/2019 JS  
CALCULATED: 12/11/2019 CL  
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PRECISION MEASUREMENT  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2019