



# BARGE "CBC 1338"

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

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

LENGTH BETWEEN DRAFT MARKS: 161'-03"

September 30, 2011

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

<http://www.pmacorp.net>



# BARGE "CBC 1338"

# 1 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	8,091	0	18,880	0	29,518	0	40,185	0	50,946	0	61,707	0	72,444	0	83,183	0	93,947
1/4	58	1/4	8,316	1/4	19,104	1/4	29,736	1/4	40,410	1/4	51,170	1/4	61,931	1/4	72,667	1/4	83,407	1/4	94,171
1/2	77	1/2	8,541	1/2	19,329	1/2	29,954	1/2	40,634	1/2	51,394	1/2	62,155	1/2	72,890	1/2	83,632	1/2	94,396
3/4	96	3/4	8,765	3/4	19,554	3/4	30,173	3/4	40,858	3/4	51,618	3/4	62,379	3/4	73,112	3/4	83,856	3/4	94,620
1	114	1	8,990	1	19,779	1	30,391	1	41,082	1	51,843	1	62,603	1	73,335	1	84,080	1	94,844
1/4	170	1/4	9,215	1/4	20,003	1/4	30,610	1/4	41,306	1/4	52,067	1/4	62,827	1/4	73,558	1/4	84,304	1/4	95,068
1/2	227	1/2	9,440	1/2	20,228	1/2	30,828	1/2	41,530	1/2	52,291	1/2	63,052	1/2	73,781	1/2	84,529	1/2	95,293
3/4	283	3/4	9,664	3/4	20,453	3/4	31,046	3/4	41,755	3/4	52,515	3/4	63,276	3/4	74,004	3/4	84,753	3/4	95,517
2	339	2	9,889	2	20,678	2	31,265	2	41,979	2	52,739	2	63,500	2	74,227	2	84,977	2	95,741
1/4	433	1/4	10,114	1/4	20,902	1/4	31,483	1/4	42,203	1/4	52,964	1/4	63,724	1/4	74,449	1/4	85,201	1/4	95,965
1/2	526	1/2	10,339	1/2	21,127	1/2	31,701	1/2	42,427	1/2	53,188	1/2	63,948	1/2	74,672	1/2	85,426	1/2	96,190
3/4	620	3/4	10,563	3/4	21,352	3/4	31,920	3/4	42,651	3/4	53,412	3/4	64,173	3/4	74,895	3/4	85,650	3/4	96,414
3	714	3	10,788	3	21,577	3	32,138	3	42,875	3	53,636	3	64,397	3	75,118	3	85,874	3	96,638
1/4	845	1/4	11,013	1/4	21,801	1/4	32,356	1/4	43,100	1/4	53,860	1/4	64,621	1/4	75,341	1/4	86,098	1/4	96,862
1/2	976	1/2	11,238	1/2	22,026	1/2	32,575	1/2	43,324	1/2	54,084	1/2	64,845	1/2	75,564	1/2	86,323	1/2	97,087
3/4	1,107	3/4	11,462	3/4	22,251	3/4	32,793	3/4	43,548	3/4	54,309	3/4	65,069	3/4	75,786	3/4	86,547	3/4	97,311
4	1,238	4	11,687	4	22,476	4	33,012	4	43,772	4	54,533	4	65,293	4	76,009	4	86,771	4	97,535
1/4	1,406	1/4	11,912	1/4	22,700	1/4	33,236	1/4	43,996	1/4	54,757	1/4	65,518	1/4	76,233	1/4	86,995	1/4	97,759
1/2	1,575	1/2	12,137	1/2	22,925	1/2	33,460	1/2	44,221	1/2	54,981	1/2	65,742	1/2	76,456	1/2	87,220	1/2	97,984
3/4	1,743	3/4	12,362	3/4	23,150	3/4	33,684	3/4	44,445	3/4	55,205	3/4	65,966	3/4	76,680	3/4	87,444	3/4	98,208
5	1,912	5	12,586	5	23,375	5	33,908	5	44,669	5	55,430	5	66,190	5	76,903	5	87,668	5	98,432
1/4	2,117	1/4	12,811	1/4	23,600	1/4	34,132	1/4	44,893	1/4	55,654	1/4	66,414	1/4	77,128	1/4	87,892	1/4	98,656
1/2	2,323	1/2	13,036	1/2	23,824	1/2	34,357	1/2	45,117	1/2	55,878	1/2	66,638	1/2	77,352	1/2	88,117	1/2	98,881
3/4	2,528	3/4	13,261	3/4	24,049	3/4	34,581	3/4	45,341	3/4	56,102	3/4	66,863	3/4	77,576	3/4	88,341	3/4	99,105
6	2,734	6	13,485	6	24,274	6	34,805	6	45,566	6	56,326	6	67,087	6	77,800	6	88,565	6	99,329
1/4	2,954	1/4	13,710	1/4	24,493	1/4	35,029	1/4	45,790	1/4	56,550	1/4	67,310	1/4	78,025	1/4	88,789	1/4	99,553
1/2	3,174	1/2	13,935	1/2	24,711	1/2	35,253	1/2	46,014	1/2	56,775	1/2	67,534	1/2	78,249	1/2	89,014	1/2	99,778
3/4	3,395	3/4	14,160	3/4	24,930	3/4	35,478	3/4	46,238	3/4	56,999	3/4	67,758	3/4	78,473	3/4	89,238	3/4	100,002
7	3,615	7	14,384	7	25,149	7	35,702	7	46,462	7	57,223	7	67,981	7	78,698	7	89,462	7	100,226
1/4	3,837	1/4	14,609	1/4	25,368	1/4	35,926	1/4	46,687	1/4	57,447	1/4	68,205	1/4	78,922	1/4	89,686	1/4	100,450
1/2	4,059	1/2	14,834	1/2	25,586	1/2	36,150	1/2	46,911	1/2	57,671	1/2	68,428	1/2	79,146	1/2	89,911	1/2	100,675
3/4	4,282	3/4	15,059	3/4	25,805	3/4	36,374	3/4	47,135	3/4	57,895	3/4	68,652	3/4	79,370	3/4	90,135	3/4	100,899
8	4,504	8	15,283	8	26,024	8	36,598	8	47,359	8	58,120	8	68,876	8	79,595	8	90,359	8	101,123
1/4	4,727	1/4	15,508	1/4	26,242	1/4	36,823	1/4	47,583	1/4	58,344	1/4	69,099	1/4	79,819	1/4	90,583	1/4	101,347
1/2	4,951	1/2	15,733	1/2	26,461	1/2	37,047	1/2	47,807	1/2	58,568	1/2	69,323	1/2	80,043	1/2	90,808	1/2	101,572
3/4	5,174	3/4	15,958	3/4	26,679	3/4	37,271	3/4	48,032	3/4	58,792	3/4	69,546	3/4	80,268	3/4	91,032	3/4	101,796
9	5,397	9	16,182	9	26,897	9	37,495	9	48,256	9	59,016	9	69,770	9	80,492	9	91,256	9	102,020
1/4	5,621	1/4	16,407	1/4	27,116	1/4	37,719	1/4	48,480	1/4	59,241	1/4	69,993	1/4	80,716	1/4	91,480	1/4	102,244
1/2	5,846	1/2	16,632	1/2	27,334	1/2	37,944	1/2	48,704	1/2	59,465	1/2	70,216	1/2	80,940	1/2	91,705	1/2	102,469
3/4	6,070	3/4	16,857	3/4	27,552	3/4	38,168	3/4	48,928	3/4	59,689	3/4	70,438	3/4	81,165	3/4	91,929	3/4	102,693
10	6,294	10	17,081	10	27,771	10	38,392	10	49,153	10	59,913	10	70,661	10	81,389	10	92,153	10	102,917
1/4	6,518	1/4	17,306	1/4	27,989	1/4	38,616	1/4	49,377	1/4	60,137	1/4	70,884	1/4	81,613	1/4	92,377	1/4	103,141
1/2	6,743	1/2	17,531	1/2	28,208	1/2	38,840	1/2	49,601	1/2	60,361	1/2	71,107	1/2	81,838	1/2	92,602	1/2	103,366
3/4	6,968	3/4	17,756	3/4	28,426	3/4	39,064	3/4	49,825	3/4	60,586	3/4	71,330	3/4	82,062	3/4	92,826	3/4	103,590
11	7,192	11	17,981	11	28,644	11	39,289	11	50,049	11	60,810	11	71,553	11	82,286	11	93,050	11	103,814
1/4	7,417	1/4	18,205	1/4	28,863	1/4	39,513	1/4	50,273	1/4	61,034	1/4	71,775	1/4	82,510	1/4	93,274	1/4	104,038
1/2	7,642	1/2	18,430	1/2	29,081	1/2	39,737	1/2	50,498	1/2	61,258	1/2	71,998	1/2	82,735	1/2	93,499	1/2	104,263
3/4	7,866	3/4	18,655	3/4	29,299	3/4	39,961	3/4	50,722	3/4	61,482	3/4	72,221	3/4	82,959	3/4	93,723	3/4	104,487

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 26'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "CBC 1338"

## 1 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	104,711	0	114,812	0	124,271	0	133,689	0	143,090	0		0		0		0		0	
1/4	104,935	1/4	115,009	1/4	124,468	1/4	133,885	1/4	143,284	1/4		1/4		1/4		1/4		1/4	
1/2	105,159	1/2	115,206	1/2	124,664	1/2	134,082	1/2	143,479	1/2		1/2		1/2		1/2		1/2	
3/4	105,383	3/4	115,403	3/4	124,861	3/4	134,278	3/4	143,673	3/4		3/4		3/4		3/4		3/4	
1	105,607	1	115,600	1	125,057	1	134,475	1	143,868	1		1		1		1		1	
1/4	105,831	1/4	115,797	1/4	125,254	1/4	134,671	1/4	144,062	1/4		1/4		1/4		1/4		1/4	
1/2	106,055	1/2	115,994	1/2	125,450	1/2	134,868	1/2	144,257	1/2		1/2		1/2		1/2		1/2	
3/4	106,279	3/4	116,191	3/4	125,647	3/4	135,064	3/4	144,451	3/4		3/4		3/4		3/4		3/4	
2	106,503	2	116,388	2	125,844	2	135,261	2	144,646	2		2		2		2		2	
1/4	106,727	1/4	116,585	1/4	126,040	1/4	135,458	1/4	144,849	1/4		1/4		1/4		1/4		1/4	
1/2	106,951	1/2	116,782	1/2	126,237	1/2	135,654	1/2	145,052	1/2		1/2		1/2		1/2		1/2	
3/4	107,175	3/4	116,979	3/4	126,433	3/4	135,851	3/4	145,256	3/4		3/4		3/4		3/4		3/4	
3	107,399	3	117,176	3	126,630	3	136,047	3	145,459	3		3		3		3		3	
1/4	107,623	1/4	117,374	1/4	126,826	1/4	136,244	1/4	145,625	1/4		1/4		1/4		1/4		1/4	
1/2	107,847	1/2	117,571	1/2	127,023	1/2	136,440	1/2	145,791	1/2		1/2		1/2		1/2		1/2	
3/4	108,071	3/4	117,768	3/4	127,219	3/4	136,637	3/4	145,957	3/4		3/4		3/4		3/4		3/4	
4	108,295	4	117,965	4	127,416	4	136,833	4	146,123	4		4		4		4		4	
1/4	108,519	1/4	118,162	1/4	127,612	1/4	137,030	1/4	146,251	1/4		1/4		1/4		1/4		1/4	
1/2	108,743	1/2	118,359	1/2	127,809	1/2	137,226	1/2	146,380	1/2		1/2		1/2		1/2		1/2	
3/4	108,967	3/4	118,556	3/4	128,006	3/4	137,423	3/4	146,508	3/4		3/4		3/4		3/4		3/4	
5	109,191	5	118,753	5	128,202	5	137,620	5	146,637	5		5		5		5		5	
1/4	109,415	1/4	118,950	1/4	128,399	1/4	137,816	1/4	146,728	1/4		1/4		1/4		1/4		1/4	
1/2	109,639	1/2	119,147	1/2	128,595	1/2	138,013	1/2	146,819	1/2		1/2		1/2		1/2		1/2	
3/4	109,863	3/4	119,344	3/4	128,792	3/4	138,209	3/4	146,910	3/4		3/4		3/4		3/4		3/4	
6	110,087	6	119,541	6	128,988	6	138,406	6	147,001	6		6		6		6		6	
1/4	110,284	1/4	119,738	1/4	129,184	1/4	138,602	1/4	147,054	1/4		1/4		1/4		1/4		1/4	
1/2	110,481	1/2	119,936	1/2	129,380	1/2	138,799	1/2	147,108	1/2		1/2		1/2		1/2		1/2	
3/4	110,678	3/4	120,133	3/4	129,576	3/4	138,995	3/4	147,161	3/4		3/4		3/4		3/4		3/4	
7	110,874	7	120,330	7	129,772	7	139,192	7	147,215	7		7		7		7		7	
1/4	111,071	1/4	120,527	1/4	129,968	1/4	139,389	1/4	147,231	1/4		1/4		1/4		1/4		1/4	
1/2	111,268	1/2	120,724	1/2	130,163	1/2	139,585	1/2	147,247	1/2		1/2		1/2		1/2		1/2	
3/4	111,465	3/4	120,921	3/4	130,359	3/4	139,782	3/4	147,263	3/4		3/4		3/4		3/4		3/4	
8	111,662	8	121,118	8	130,555	8	139,978	8	147,279	8		8		8		8		8	
1/4	111,859	1/4	121,315	1/4	130,751	1/4	140,173	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,056	1/2	121,512	1/2	130,947	1/2	140,367	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,252	3/4	121,709	3/4	131,143	3/4	140,562	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,449	9	121,906	9	131,338	9	140,756	9		9		9		9		9		9	
1/4	112,646	1/4	122,103	1/4	131,534	1/4	140,951	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,843	1/2	122,300	1/2	131,730	1/2	141,145	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,040	3/4	122,497	3/4	131,926	3/4	141,339	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,237	10	122,695	10	132,122	10	141,534	10		10		10		10		10		10	
1/4	113,434	1/4	122,892	1/4	132,318	1/4	141,728	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,630	1/2	123,089	1/2	132,514	1/2	141,923	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,827	3/4	123,286	3/4	132,709	3/4	142,117	3/4		3/4		3/4		3/4		3/4		3/4	
11	114,024	11	123,483	11	132,905	11	142,312	11		11		11		11		11		11	
1/4	114,221	1/4	123,680	1/4	133,101	1/4	142,506	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,418	1/2	123,877	1/2	133,297	1/2	142,701	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,615	3/4	124,074	3/4	133,493	3/4	142,895	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/30/2011 CL - SW  
CALCULATED: 09/30/2011 CL  
PRINTED: 09/30/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2011

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



# BARGE "CBC 1338"

## 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	9,054	0	21,133	0	33,066	0	44,998	0	57,077	0	69,157	0	81,236	0	93,315	0	105,393
1/4	60	1/4	9,306	1/4	21,385	1/4	33,310	1/4	45,250	1/4	57,329	1/4	69,408	1/4	81,488	1/4	93,567	1/4	105,644
1/2	81	1/2	9,558	1/2	21,637	1/2	33,554	1/2	45,501	1/2	57,581	1/2	69,660	1/2	81,739	1/2	93,819	1/2	105,896
3/4	102	3/4	9,809	3/4	21,888	3/4	33,798	3/4	45,753	3/4	57,832	3/4	69,912	3/4	81,991	3/4	94,070	3/4	106,148
1	123	1	10,061	1	22,140	1	34,042	1	46,005	1	58,084	1	70,163	1	82,243	1	94,322	1	106,399
1/4	186	1/4	10,313	1/4	22,392	1/4	34,287	1/4	46,256	1/4	58,336	1/4	70,415	1/4	82,494	1/4	94,573	1/4	106,651
1/2	249	1/2	10,564	1/2	22,643	1/2	34,531	1/2	46,508	1/2	58,587	1/2	70,667	1/2	82,746	1/2	94,825	1/2	106,902
3/4	312	3/4	10,816	3/4	22,895	3/4	34,775	3/4	46,760	3/4	58,839	3/4	70,918	3/4	82,998	3/4	95,077	3/4	107,154
2	375	2	11,068	2	23,147	2	35,019	2	47,011	2	59,091	2	71,170	2	83,249	2	95,328	2	107,406
1/4	480	1/4	11,319	1/4	23,398	1/4	35,264	1/4	47,263	1/4	59,342	1/4	71,422	1/4	83,501	1/4	95,580	1/4	107,657
1/2	584	1/2	11,571	1/2	23,650	1/2	35,508	1/2	47,514	1/2	59,594	1/2	71,673	1/2	83,753	1/2	95,831	1/2	107,909
3/4	689	3/4	11,823	3/4	23,901	3/4	35,752	3/4	47,766	3/4	59,845	3/4	71,925	3/4	84,004	3/4	96,083	3/4	108,160
3	794	3	12,074	3	24,153	3	35,996	3	48,018	3	60,097	3	72,177	3	84,256	3	96,335	3	108,412
1/4	941	1/4	12,326	1/4	24,405	1/4	36,241	1/4	48,269	1/4	60,349	1/4	72,428	1/4	84,508	1/4	96,586	1/4	108,664
1/2	1,088	1/2	12,577	1/2	24,656	1/2	36,485	1/2	48,521	1/2	60,600	1/2	72,680	1/2	84,759	1/2	96,838	1/2	108,915
3/4	1,235	3/4	12,829	3/4	24,908	3/4	36,729	3/4	48,773	3/4	60,852	3/4	72,931	3/4	85,011	3/4	97,090	3/4	109,167
4	1,381	4	13,081	4	25,160	4	36,973	4	49,024	4	61,104	4	73,183	4	85,262	4	97,341	4	109,418
1/4	1,570	1/4	13,332	1/4	25,411	1/4	37,218	1/4	49,276	1/4	61,355	1/4	73,435	1/4	85,514	1/4	97,593	1/4	109,670
1/2	1,759	1/2	13,584	1/2	25,663	1/2	37,462	1/2	49,528	1/2	61,607	1/2	73,686	1/2	85,766	1/2	97,844	1/2	109,922
3/4	1,948	3/4	13,836	3/4	25,915	3/4	37,707	3/4	49,779	3/4	61,859	3/4	73,938	3/4	86,017	3/4	98,096	3/4	110,173
5	2,136	5	14,087	5	26,166	5	37,952	5	50,031	5	62,110	5	74,190	5	86,269	5	98,348	5	110,425
1/4	2,366	1/4	14,339	1/4	26,418	1/4	38,203	1/4	50,283	1/4	62,362	1/4	74,441	1/4	86,521	1/4	98,599	1/4	110,676
1/2	2,596	1/2	14,591	1/2	26,670	1/2	38,455	1/2	50,534	1/2	62,614	1/2	74,693	1/2	86,772	1/2	98,851	1/2	110,928
3/4	2,826	3/4	14,842	3/4	26,921	3/4	38,707	3/4	50,786	3/4	62,865	3/4	74,945	3/4	87,024	3/4	99,102	3/4	111,180
6	3,056	6	15,094	6	27,173	6	38,958	6	51,038	6	63,117	6	75,196	6	87,276	6	99,354	6	111,431
1/4	3,303	1/4	15,346	1/4	27,425	1/4	39,210	1/4	51,289	1/4	63,369	1/4	75,448	1/4	87,527	1/4	99,606	1/4	111,683
1/2	3,550	1/2	15,597	1/2	27,676	1/2	39,462	1/2	51,541	1/2	63,620	1/2	75,700	1/2	87,779	1/2	99,857	1/2	111,935
3/4	3,796	3/4	15,849	3/4	27,928	3/4	39,713	3/4	51,793	3/4	63,872	3/4	75,951	3/4	88,031	3/4	100,109	3/4	112,186
7	4,043	7	16,101	7	28,179	7	39,965	7	52,044	7	64,124	7	76,203	7	88,282	7	100,360	7	112,438
1/4	4,292	1/4	16,352	1/4	28,424	1/4	40,217	1/4	52,296	1/4	64,375	1/4	76,455	1/4	88,534	1/4	100,612	1/4	112,689
1/2	4,540	1/2	16,604	1/2	28,669	1/2	40,468	1/2	52,548	1/2	64,627	1/2	76,706	1/2	88,786	1/2	100,864	1/2	112,941
3/4	4,789	3/4	16,855	3/4	28,913	3/4	40,720	3/4	52,799	3/4	64,879	3/4	76,958	3/4	89,037	3/4	101,115	3/4	113,193
8	5,038	8	17,107	8	29,158	8	40,971	8	53,051	8	65,130	8	77,210	8	89,289	8	101,367	8	113,444
1/4	5,288	1/4	17,359	1/4	29,402	1/4	41,223	1/4	53,303	1/4	65,382	1/4	77,461	1/4	89,541	1/4	101,619	1/4	113,696
1/2	5,538	1/2	17,610	1/2	29,646	1/2	41,475	1/2	53,554	1/2	65,634	1/2	77,713	1/2	89,792	1/2	101,870	1/2	113,947
3/4	5,788	3/4	17,862	3/4	29,890	3/4	41,726	3/4	53,806	3/4	65,885	3/4	77,965	3/4	90,044	3/4	102,122	3/4	114,199
9	6,039	9	18,114	9	30,135	9	41,978	9	54,057	9	66,137	9	78,216	9	90,296	9	102,373	9	114,451
1/4	6,290	1/4	18,365	1/4	30,379	1/4	42,230	1/4	54,309	1/4	66,388	1/4	78,468	1/4	90,547	1/4	102,625	1/4	114,702
1/2	6,540	1/2	18,617	1/2	30,623	1/2	42,481	1/2	54,561	1/2	66,640	1/2	78,719	1/2	90,799	1/2	102,877	1/2	114,954
3/4	6,791	3/4	18,869	3/4	30,867	3/4	42,733	3/4	54,812	3/4	66,892	3/4	78,971	3/4	91,051	3/4	103,128	3/4	115,205
10	7,042	10	19,120	10	31,112	10	42,985	10	55,064	10	67,143	10	79,223	10	91,302	10	103,380	10	115,457
1/4	7,294	1/4	19,372	1/4	31,356	1/4	43,236	1/4	55,316	1/4	67,395	1/4	79,474	1/4	91,554	1/4	103,631	1/4	115,709
1/2	7,545	1/2	19,624	1/2	31,600	1/2	43,488	1/2	55,567	1/2	67,647	1/2	79,726	1/2	91,805	1/2	103,883	1/2	115,960
3/4	7,797	3/4	19,875	3/4	31,844	3/4	43,740	3/4	55,819	3/4	67,898	3/4	79,978	3/4	92,057	3/4	104,135	3/4	116,212
11	8,048	11	20,127	11	32,089	11	43,991	11	56,071	11	68,150	11	80,229	11	92,309	11	104,386	11	116,464
1/4	8,300	1/4	20,378	1/4	32,333	1/4	44,243	1/4	56,322	1/4	68,402	1/4	80,481	1/4	92,560	1/4	104,638	1/4	116,715
1/2	8,551	1/2	20,630	1/2	32,577	1/2	44,495	1/2	56,574	1/2	68,653	1/2	80,733	1/2	92,812	1/2	104,889	1/2	116,967
3/4	8,803	3/4	20,882	3/4	32,821	3/4	44,746	3/4	56,826	3/4	68,905	3/4	80,984	3/4	93,064	3/4	105,141	3/4	117,218

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

<http://www.pmacorp.net>



# BARGE "CBC 1338"

## 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	117,470	0	129,547	0	141,625	0	153,635	0	165,608	0		0		0		0		0	
1/4	117,722	1/4	129,799	1/4	141,875	1/4	153,885	1/4	165,856	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	117,973	1/2	130,050	1/2	142,125	1/2	154,135	1/2	166,104	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	118,225	3/4	130,302	3/4	142,375	3/4	154,385	3/4	166,351	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	118,476	1	130,554	1	142,625	1	154,635	1	166,599	1	1	1	1	1	1	1	1	1	1
1/4	118,728	1/4	130,805	1/4	142,876	1/4	154,886	1/4	166,847	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,980	1/2	131,057	1/2	143,126	1/2	155,136	1/2	167,095	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,231	3/4	131,309	3/4	143,376	3/4	155,386	3/4	167,343	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	119,483	2	131,560	2	143,626	2	155,636	2	167,591	2	2	2	2	2	2	2	2	2	2
1/4	119,734	1/4	131,812	1/4	143,876	1/4	155,887	1/4	167,818	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,986	1/2	132,063	1/2	144,127	1/2	156,137	1/2	168,045	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	120,238	3/4	132,315	3/4	144,377	3/4	156,387	3/4	168,272	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	120,489	3	132,567	3	144,627	3	156,637	3	168,499	3	3	3	3	3	3	3	3	3	3
1/4	120,741	1/4	132,818	1/4	144,877	1/4	156,887	1/4	168,684	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	120,992	1/2	133,070	1/2	145,127	1/2	157,138	1/2	168,869	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	121,244	3/4	133,321	3/4	145,378	3/4	157,388	3/4	169,054	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	121,496	4	133,573	4	145,628	4	157,638	4	169,239	4	4	4	4	4	4	4	4	4	4
1/4	121,747	1/4	133,825	1/4	145,878	1/4	157,888	1/4	169,382	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	121,999	1/2	134,076	1/2	146,128	1/2	158,138	1/2	169,525	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	122,251	3/4	134,328	3/4	146,379	3/4	158,389	3/4	169,668	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	122,502	5	134,579	5	146,629	5	158,639	5	169,811	5	5	5	5	5	5	5	5	5	5
1/4	122,754	1/4	134,831	1/4	146,879	1/4	158,889	1/4	169,912	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	123,005	1/2	135,083	1/2	147,129	1/2	159,139	1/2	170,013	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	123,257	3/4	135,334	3/4	147,379	3/4	159,390	3/4	170,114	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	123,509	6	135,586	6	147,630	6	159,640	6	170,215	6	6	6	6	6	6	6	6	6	6
1/4	123,760	1/4	135,837	1/4	147,880	1/4	159,890	1/4	170,274	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	124,012	1/2	136,089	1/2	148,130	1/2	160,140	1/2	170,334	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	124,263	3/4	136,341	3/4	148,380	3/4	160,390	3/4	170,393	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	124,515	7	136,592	7	148,630	7	160,641	7	170,452	7	7	7	7	7	7	7	7	7	7
1/4	124,767	1/4	136,844	1/4	148,881	1/4	160,891	1/4	170,469	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	125,018	1/2	137,096	1/2	149,131	1/2	161,141	1/2	170,486	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	125,270	3/4	137,347	3/4	149,381	3/4	161,391	3/4	170,503	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	125,521	8	137,599	8	149,631	8	161,641	8	170,521	8	8	8	8	8	8	8	8	8	8
1/4	125,773	1/4	137,850	1/4	149,881	1/4	161,889	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	126,025	1/2	138,102	1/2	150,132	1/2	162,137	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	126,276	3/4	138,354	3/4	150,382	3/4	162,385	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	126,528	9	138,605	9	150,632	9	162,633	9		9	9	9	9	9	9	9	9	9	9
1/4	126,780	1/4	138,857	1/4	150,882	1/4	162,881	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	127,031	1/2	139,108	1/2	151,133	1/2	163,129	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	127,283	3/4	139,360	3/4	151,383	3/4	163,377	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	127,534	10	139,612	10	151,633	10	163,625	10		10	10	10	10	10	10	10	10	10	10
1/4	127,786	1/4	139,863	1/4	151,883	1/4	163,872	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	128,038	1/2	140,115	1/2	152,133	1/2	164,120	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	128,289	3/4	140,366	3/4	152,384	3/4	164,368	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	128,541	11	140,618	11	152,634	11	164,616	11		11	11	11	11	11	11	11	11	11	11
1/4	128,792	1/4	140,870	1/4	152,884	1/4	164,864	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	129,044	1/2	141,121	1/2	153,134	1/2	165,112	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	129,296	3/4	141,373	3/4	153,384	3/4	165,360	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/30/2011 CL - SW  
CALCULATED: 09/30/2011 CL  
PRINTED: 09/30/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2011

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



# BARGE "CBC 1338"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

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	8,044	0	18,770	0	29,481	0	40,196	0	50,922	0	61,648	0	72,374	0	83,100	0	93,824
1/4	58	1/4	8,268	1/4	18,993	1/4	29,704	1/4	40,419	1/4	51,145	1/4	61,871	1/4	72,597	1/4	83,323	1/4	94,048
1/2	77	1/2	8,491	1/2	19,217	1/2	29,927	1/2	40,643	1/2	51,369	1/2	62,095	1/2	72,821	1/2	83,547	1/2	94,271
3/4	95	3/4	8,715	3/4	19,440	3/4	30,150	3/4	40,866	3/4	51,592	3/4	62,318	3/4	73,044	3/4	83,770	3/4	94,494
1	114	1	8,938	1	19,664	1	30,372	1	41,090	1	51,816	1	62,542	1	73,268	1	83,994	1	94,718
1/4	170	1/4	9,162	1/4	19,887	1/4	30,595	1/4	41,313	1/4	52,039	1/4	62,765	1/4	73,491	1/4	84,217	1/4	94,941
1/2	226	1/2	9,385	1/2	20,111	1/2	30,818	1/2	41,537	1/2	52,263	1/2	62,989	1/2	73,715	1/2	84,440	1/2	95,165
3/4	281	3/4	9,609	3/4	20,334	3/4	31,041	3/4	41,760	3/4	52,486	3/4	63,212	3/4	73,938	3/4	84,664	3/4	95,388
2	337	2	9,832	2	20,558	2	31,263	2	41,984	2	52,710	2	63,436	2	74,162	2	84,887	2	95,611
1/4	430	1/4	10,055	1/4	20,781	1/4	31,486	1/4	42,207	1/4	52,933	1/4	63,659	1/4	74,385	1/4	85,111	1/4	95,835
1/2	523	1/2	10,279	1/2	21,004	1/2	31,709	1/2	42,430	1/2	53,156	1/2	63,882	1/2	74,609	1/2	85,334	1/2	96,058
3/4	617	3/4	10,502	3/4	21,228	3/4	31,932	3/4	42,654	3/4	53,380	3/4	64,106	3/4	74,832	3/4	85,558	3/4	96,282
3	710	3	10,726	3	21,451	3	32,154	3	42,877	3	53,603	3	64,329	3	75,055	3	85,781	3	96,505
1/4	840	1/4	10,949	1/4	21,675	1/4	32,377	1/4	43,101	1/4	53,827	1/4	64,553	1/4	75,279	1/4	86,004	1/4	96,729
1/2	970	1/2	11,173	1/2	21,898	1/2	32,600	1/2	43,324	1/2	54,050	1/2	64,776	1/2	75,502	1/2	86,228	1/2	96,952
3/4	1,101	3/4	11,396	3/4	22,122	3/4	32,822	3/4	43,548	3/4	54,274	3/4	65,000	3/4	75,726	3/4	86,451	3/4	97,175
4	1,231	4	11,620	4	22,345	4	33,045	4	43,771	4	54,497	4	65,223	4	75,949	4	86,675	4	97,399
1/4	1,399	1/4	11,843	1/4	22,569	1/4	33,269	1/4	43,995	1/4	54,721	1/4	65,447	1/4	76,173	1/4	86,898	1/4	97,622
1/2	1,566	1/2	12,066	1/2	22,792	1/2	33,492	1/2	44,218	1/2	54,944	1/2	65,670	1/2	76,396	1/2	87,122	1/2	97,846
3/4	1,734	3/4	12,290	3/4	23,016	3/4	33,716	3/4	44,442	3/4	55,168	3/4	65,894	3/4	76,620	3/4	87,345	3/4	98,069
5	1,901	5	12,513	5	23,239	5	33,939	5	44,665	5	55,391	5	66,117	5	76,843	5	87,568	5	98,293
1/4	2,106	1/4	12,737	1/4	23,462	1/4	34,163	1/4	44,889	1/4	55,615	1/4	66,341	1/4	77,067	1/4	87,792	1/4	98,516
1/2	2,310	1/2	12,960	1/2	23,686	1/2	34,386	1/2	45,112	1/2	55,838	1/2	66,564	1/2	77,290	1/2	88,015	1/2	98,739
3/4	2,514	3/4	13,184	3/4	23,909	3/4	34,609	3/4	45,335	3/4	56,061	3/4	66,787	3/4	77,513	3/4	88,239	3/4	98,963
6	2,718	6	13,407	6	24,133	6	34,833	6	45,559	6	56,285	6	67,011	6	77,737	6	88,462	6	99,186
1/4	2,937	1/4	13,631	1/4	24,356	1/4	35,056	1/4	45,782	1/4	56,508	1/4	67,234	1/4	77,960	1/4	88,685	1/4	99,410
1/2	3,156	1/2	13,854	1/2	24,579	1/2	35,280	1/2	46,006	1/2	56,732	1/2	67,458	1/2	78,184	1/2	88,909	1/2	99,633
3/4	3,375	3/4	14,078	3/4	24,802	3/4	35,503	3/4	46,229	3/4	56,955	3/4	67,681	3/4	78,407	3/4	89,132	3/4	99,856
7	3,594	7	14,301	7	25,025	7	35,727	7	46,453	7	57,179	7	67,905	7	78,631	7	89,356	7	100,080
1/4	3,815	1/4	14,524	1/4	25,248	1/4	35,950	1/4	46,676	1/4	57,402	1/4	68,128	1/4	78,854	1/4	89,579	1/4	100,303
1/2	4,036	1/2	14,748	1/2	25,471	1/2	36,174	1/2	46,900	1/2	57,626	1/2	68,352	1/2	79,078	1/2	89,803	1/2	100,527
3/4	4,257	3/4	14,971	3/4	25,694	3/4	36,397	3/4	47,123	3/4	57,849	3/4	68,575	3/4	79,301	3/4	90,026	3/4	100,750
8	4,478	8	15,195	8	25,918	8	36,621	8	47,347	8	58,073	8	68,799	8	79,525	8	90,249	8	100,974
1/4	4,700	1/4	15,418	1/4	26,140	1/4	36,844	1/4	47,570	1/4	58,296	1/4	69,022	1/4	79,748	1/4	90,473	1/4	101,197
1/2	4,922	1/2	15,642	1/2	26,363	1/2	37,067	1/2	47,793	1/2	58,519	1/2	69,246	1/2	79,972	1/2	90,696	1/2	101,420
3/4	5,144	3/4	15,865	3/4	26,586	3/4	37,291	3/4	48,017	3/4	58,743	3/4	69,469	3/4	80,195	3/4	90,920	3/4	101,644
9	5,366	9	16,089	9	26,808	9	37,514	9	48,240	9	58,966	9	69,692	9	80,418	9	91,143	9	101,867
1/4	5,589	1/4	16,312	1/4	27,031	1/4	37,738	1/4	48,464	1/4	59,190	1/4	69,916	1/4	80,642	1/4	91,366	1/4	102,091
1/2	5,812	1/2	16,535	1/2	27,254	1/2	37,961	1/2	48,687	1/2	59,413	1/2	70,139	1/2	80,865	1/2	91,590	1/2	102,314
3/4	6,035	3/4	16,759	3/4	27,477	3/4	38,185	3/4	48,911	3/4	59,637	3/4	70,363	3/4	81,089	3/4	91,813	3/4	102,538
10	6,258	10	16,982	10	27,699	10	38,408	10	49,134	10	59,860	10	70,586	10	81,312	10	92,037	10	102,761
1/4	6,481	1/4	17,206	1/4	27,922	1/4	38,632	1/4	49,358	1/4	60,084	1/4	70,810	1/4	81,536	1/4	92,260	1/4	102,984
1/2	6,704	1/2	17,429	1/2	28,145	1/2	38,855	1/2	49,581	1/2	60,307	1/2	71,033	1/2	81,759	1/2	92,484	1/2	103,208
3/4	6,927	3/4	17,653	3/4	28,368	3/4	39,079	3/4	49,805	3/4	60,531	3/4	71,257	3/4	81,983	3/4	92,707	3/4	103,431
11	7,151	11	17,876	11	28,590	11	39,302	11	50,028	11	60,754	11	71,480	11	82,206	11	92,930	11	103,655
1/4	7,374	1/4	18,100	1/4	28,813	1/4	39,526	1/4	50,252	1/4	60,978	1/4	71,704	1/4	82,430	1/4	93,154	1/4	103,878
1/2	7,598	1/2	18,323	1/2	29,036	1/2	39,749	1/2	50,475	1/2	61,201	1/2	71,927	1/2	82,653	1/2	93,377	1/2	104,101
3/4	7,821	3/4	18,547	3/4	29,259	3/4	39,972	3/4	50,698	3/4	61,424	3/4	72,150	3/4	82,876	3/4	93,601	3/4	104,325

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'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "CBC 1338"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	104,548	0	115,273	0	125,997	0	136,662	0	147,295	0		0		0		0		0	
1/4	104,772	1/4	115,496	1/4	126,219	1/4	136,884	1/4	147,515	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	104,995	1/2	115,719	1/2	126,441	1/2	137,107	1/2	147,735	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,219	3/4	115,943	3/4	126,663	3/4	137,329	3/4	147,955	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	105,442	1	116,166	1	126,886	1	137,551	1	148,175	1	1	1	1	1	1	1	1	1	1
1/4	105,665	1/4	116,390	1/4	127,108	1/4	137,773	1/4	148,395	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,889	1/2	116,613	1/2	127,330	1/2	137,995	1/2	148,616	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,112	3/4	116,836	3/4	127,552	3/4	138,217	3/4	148,836	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	106,336	2	117,060	2	127,774	2	138,440	2	149,056	2	2	2	2	2	2	2	2	2	2
1/4	106,559	1/4	117,283	1/4	127,996	1/4	138,662	1/4	149,257	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,783	1/2	117,507	1/2	128,219	1/2	138,884	1/2	149,459	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,006	3/4	117,730	3/4	128,441	3/4	139,106	3/4	149,660	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	107,229	3	117,954	3	128,663	3	139,328	3	149,862	3	3	3	3	3	3	3	3	3	3
1/4	107,453	1/4	118,177	1/4	128,885	1/4	139,551	1/4	150,026	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	107,676	1/2	118,400	1/2	129,107	1/2	139,773	1/2	150,190	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,900	3/4	118,624	3/4	129,330	3/4	139,995	3/4	150,355	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	108,123	4	118,847	4	129,552	4	140,217	4	150,519	4	4	4	4	4	4	4	4	4	4
1/4	108,346	1/4	119,071	1/4	129,774	1/4	140,439	1/4	150,646	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	108,570	1/2	119,294	1/2	129,996	1/2	140,662	1/2	150,773	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,793	3/4	119,518	3/4	130,218	3/4	140,884	3/4	150,900	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	109,017	5	119,741	5	130,441	5	141,106	5	151,027	5	5	5	5	5	5	5	5	5	5
1/4	109,240	1/4	119,964	1/4	130,663	1/4	141,328	1/4	151,117	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,464	1/2	120,188	1/2	130,885	1/2	141,550	1/2	151,207	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,687	3/4	120,411	3/4	131,107	3/4	141,773	3/4	151,297	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	109,910	6	120,635	6	131,329	6	141,995	6	151,386	6	6	6	6	6	6	6	6	6	6
1/4	110,134	1/4	120,858	1/4	131,552	1/4	142,217	1/4	151,439	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,357	1/2	121,081	1/2	131,774	1/2	142,439	1/2	151,491	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,581	3/4	121,305	3/4	131,996	3/4	142,661	3/4	151,544	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	110,804	7	121,528	7	132,218	7	142,884	7	151,596	7	7	7	7	7	7	7	7	7	7
1/4	111,028	1/4	121,752	1/4	132,440	1/4	143,106	1/4	151,612	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,251	1/2	121,975	1/2	132,663	1/2	143,328	1/2	151,627	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,474	3/4	122,199	3/4	132,885	3/4	143,550	3/4	151,642	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	111,698	8	122,422	8	133,107	8	143,772	8	151,658	8	8	8	8	8	8	8	8	8	8
1/4	111,921	1/4	122,645	1/4	133,329	1/4	143,993	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,145	1/2	122,869	1/2	133,551	1/2	144,213	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,368	3/4	123,092	3/4	133,774	3/4	144,433	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	112,591	9	123,316	9	133,996	9	144,653	9		9	9	9	9	9	9	9	9	9	9
1/4	112,815	1/4	123,539	1/4	134,218	1/4	144,873	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,038	1/2	123,763	1/2	134,440	1/2	145,093	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,262	3/4	123,986	3/4	134,662	3/4	145,313	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	113,485	10	124,209	10	134,885	10	145,534	10		10	10	10	10	10	10	10	10	10	10
1/4	113,709	1/4	124,433	1/4	135,107	1/4	145,754	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,932	1/2	124,656	1/2	135,329	1/2	145,974	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,155	3/4	124,880	3/4	135,551	3/4	146,194	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	114,379	11	125,103	11	135,773	11	146,414	11		11	11	11	11	11	11	11	11	11	11
1/4	114,602	1/4	125,326	1/4	135,996	1/4	146,634	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,826	1/2	125,550	1/2	136,218	1/2	146,854	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	115,049	3/4	125,773	3/4	136,440	3/4	147,075	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/30/2011 CL - SW  
CALCULATED: 09/30/2011 CL  
PRINTED: 09/30/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2011

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



# BARGE "CBC 1338"

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

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

LENGTH BETWEEN DRAFT MARKS: 161'-03"

September 30, 2011

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

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# BARGE "CBC 1338"

## 1 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.	
0	0	0	147,263	0	139,782	0	130,359	0	120,921	0	111,465	0	100,899	0	90,135	0	79,370		
1/4	1/4	1/4	147,247	1/4	139,585	1/4	130,163	1/4	120,724	1/4	111,268	1/4	100,675	1/4	89,911	1/4	79,146		
1/2	1/2	1/2	147,231	1/2	139,389	1/2	129,968	1/2	120,527	1/2	111,071	1/2	100,450	1/2	89,686	1/2	78,922		
3/4	3/4	3/4	147,215	3/4	139,192	3/4	129,772	3/4	120,330	3/4	110,874	3/4	100,226	3/4	89,462	3/4	78,698		
1	1	1	147,161	1	138,995	1	129,576	1	120,133	1	110,678	1	100,002	1	89,238	1	78,473		
1/4	1/4	1/4	147,108	1/4	138,799	1/4	129,380	1/4	119,936	1/4	110,481	1/4	99,778	1/4	89,014	1/4	78,249		
1/2	1/2	1/2	147,054	1/2	138,602	1/2	129,184	1/2	119,738	1/2	110,284	1/2	99,553	1/2	88,789	1/2	78,025		
3/4	3/4	3/4	147,001	3/4	138,406	3/4	128,988	3/4	119,541	3/4	110,087	3/4	99,329	3/4	88,565	3/4	77,800		
2	2	2	146,910	2	138,209	2	128,792	2	119,344	2	109,863	2	99,105	2	88,341	2	77,576		
1/4	1/4	1/4	146,819	1/4	138,013	1/4	128,595	1/4	119,147	1/4	109,639	1/4	98,881	1/4	88,117	1/4	77,352		
1/2	1/2	1/2	146,728	1/2	137,816	1/2	128,399	1/2	118,950	1/2	109,415	1/2	98,656	1/2	87,892	1/2	77,128		
3/4	3/4	3/4	146,637	3/4	137,620	3/4	128,202	3/4	118,753	3/4	109,191	3/4	98,432	3/4	87,668	3/4	76,903		
3	3	3	146,508	3	137,423	3	128,006	3	118,556	3	108,967	3	98,208	3	87,444	3	76,680		
1/4	1/4	1/4	146,380	1/4	137,226	1/4	127,809	1/4	118,359	1/4	108,743	1/4	97,984	1/4	87,220	1/4	76,456		
1/2	1/2	1/2	146,251	1/2	137,030	1/2	127,612	1/2	118,162	1/2	108,519	1/2	97,759	1/2	86,995	1/2	76,233		
3/4	3/4	3/4	146,123	3/4	136,833	3/4	127,416	3/4	117,965	3/4	108,295	3/4	97,535	3/4	86,771	3/4	76,009		
4	4	4	145,957	4	136,637	4	127,219	4	117,768	4	108,071	4	97,311	4	86,547	4	75,786		
1/4	1/4	1/4	145,791	1/4	136,440	1/4	127,023	1/4	117,571	1/4	107,847	1/4	97,087	1/4	86,323	1/4	75,564		
1/2	1/2	1/2	145,625	1/2	136,244	1/2	126,826	1/2	117,374	1/2	107,623	1/2	96,862	1/2	86,098	1/2	75,341		
3/4	3/4	3/4	145,459	3/4	136,047	3/4	126,630	3/4	117,176	3/4	107,399	3/4	96,638	3/4	85,874	3/4	75,118		
5	5	5	145,256	5	135,851	5	126,433	5	116,979	5	107,175	5	96,414	5	85,650	5	74,895		
1/4	1/4	1/4	145,052	1/4	135,654	1/4	126,237	1/4	116,782	1/4	106,951	1/4	96,190	1/4	85,426	1/4	74,672		
1/2	1/2	1/2	144,849	1/2	135,458	1/2	126,040	1/2	116,585	1/2	106,727	1/2	95,965	1/2	85,201	1/2	74,449		
3/4	3/4	3/4	144,646	3/4	135,261	3/4	125,844	3/4	116,388	3/4	106,503	3/4	95,741	3/4	84,977	3/4	74,227		
6	6	6	144,451	6	135,064	6	125,647	6	116,191	6	106,279	6	95,517	6	84,753	6	74,004		
1/4	1/4	1/4	144,257	1/4	134,868	1/4	125,450	1/4	115,994	1/4	106,055	1/4	95,293	1/4	84,529	1/4	73,781		
1/2	1/2	1/2	144,062	1/2	134,671	1/2	125,254	1/2	115,797	1/2	105,831	1/2	95,068	1/2	84,304	1/2	73,558		
3/4	3/4	3/4	143,868	3/4	134,475	3/4	125,057	3/4	115,600	3/4	105,607	3/4	94,844	3/4	84,080	3/4	73,335		
7	7	7	143,673	7	134,278	7	124,861	7	115,403	7	105,383	7	94,620	7	83,856	7	73,112		
1/4	1/4	1/4	143,479	1/4	134,082	1/4	124,664	1/4	115,206	1/4	105,159	1/4	94,396	1/4	83,632	1/4	72,890		
1/2	1/2	1/2	143,284	1/2	133,885	1/2	124,468	1/2	115,009	1/2	104,935	1/2	94,171	1/2	83,407	1/2	72,667		
3/4	3/4	3/4	143,090	3/4	133,689	3/4	124,271	3/4	114,812	3/4	104,711	3/4	93,947	3/4	83,183	3/4	72,444		
8	8	8	142,895	8	133,493	8	124,074	8	114,615	8	104,487	8	93,723	8	82,959	8	72,221		
1/4	1/4	1/4	142,701	1/4	133,297	1/4	123,877	1/4	114,418	1/4	104,263	1/4	93,499	1/4	82,735	1/4	71,998		
1/2	1/2	1/2	142,506	1/2	133,101	1/2	123,680	1/2	114,221	1/2	104,038	1/2	93,274	1/2	82,510	1/2	71,775		
3/4	3/4	3/4	142,312	3/4	132,905	3/4	123,483	3/4	114,024	3/4	103,814	3/4	93,050	3/4	82,286	3/4	71,553		
9	9	9	142,117	9	132,709	9	123,286	9	113,827	9	103,590	9	92,826	9	82,062	9	71,330		
1/4	1/4	1/4	141,923	1/4	132,514	1/4	123,089	1/4	113,630	1/4	103,366	1/4	92,602	1/4	81,838	1/4	71,107		
1/2	1/2	1/2	141,728	1/2	132,318	1/2	122,892	1/2	113,434	1/2	103,141	1/2	92,377	1/2	81,613	1/2	70,884		
3/4	3/4	3/4	141,534	3/4	132,122	3/4	122,695	3/4	113,237	3/4	102,917	3/4	92,153	3/4	81,389	3/4	70,661		
10	10	10	141,339	10	131,926	10	122,497	10	113,040	10	102,693	10	91,929	10	81,165	10	70,438		
1/4	1/4	1/4	141,145	1/4	131,730	1/4	122,300	1/4	112,843	1/4	102,469	1/4	91,705	1/4	80,940	1/4	70,216		
1/2	1/2	1/2	140,951	1/2	131,534	1/2	122,103	1/2	112,646	1/2	102,244	1/2	91,480	1/2	80,716	1/2	69,993		
3/4	3/4	3/4	140,756	3/4	131,338	3/4	121,906	3/4	112,449	3/4	102,020	3/4	91,256	3/4	80,492	3/4	69,770		
11	11	11	140,562	11	131,143	11	121,709	11	112,252	11	101,796	11	91,032	11	80,268	11	69,546		
1/4	1/4	1/4	140,367	1/4	130,947	1/4	121,512	1/4	112,056	1/4	101,572	1/4	90,808	1/4	80,043	1/4	69,323		
1/2	1/2	1/2	140,173	1/2	130,751	1/2	121,315	1/2	111,859	1/2	101,347	1/2	90,583	1/2	79,819	1/2	69,099		
3/4	3/4	3/4	147,279	3/4	139,978	3/4	130,555	3/4	121,118	3/4	111,662	3/4	101,123	3/4	79,595	3/4	68,876		

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 26'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 1338"

## 1 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	68,652	0	57,895	0	47,135	0	36,374	0	25,805	0	15,059	0	4,282	0		0		0	
1/4	68,428	1/4	57,671	1/4	46,911	1/4	36,150	1/4	25,586	1/4	14,834	1/4	4,059	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,205	1/2	57,447	1/2	46,687	1/2	35,926	1/2	25,368	1/2	14,609	1/2	3,837	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,981	3/4	57,223	3/4	46,462	3/4	35,702	3/4	25,149	3/4	14,384	3/4	3,615	3/4	3/4	3/4	3/4	3/4	3/4
1	67,758	1	56,999	1	46,238	1	35,478	1	24,930	1	14,160	1	3,395	1	1	1	1	1	1
1/4	67,534	1/4	56,775	1/4	46,014	1/4	35,253	1/4	24,711	1/4	13,935	1/4	3,174	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,310	1/2	56,550	1/2	45,790	1/2	35,029	1/2	24,493	1/2	13,710	1/2	2,954	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,087	3/4	56,326	3/4	45,566	3/4	34,805	3/4	24,274	3/4	13,485	3/4	2,734	3/4	3/4	3/4	3/4	3/4	3/4
2	66,863	2	56,102	2	45,341	2	34,581	2	24,049	2	13,261	2	2,528	2	2	2	2	2	2
1/4	66,638	1/4	55,878	1/4	45,117	1/4	34,357	1/4	23,824	1/4	13,036	1/4	2,323	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,414	1/2	55,654	1/2	44,893	1/2	34,132	1/2	23,600	1/2	12,811	1/2	2,117	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,190	3/4	55,430	3/4	44,669	3/4	33,908	3/4	23,375	3/4	12,586	3/4	1,912	3/4	3/4	3/4	3/4	3/4	3/4
3	65,966	3	55,205	3	44,445	3	33,684	3	23,150	3	12,362	3	1,743	3	3	3	3	3	3
1/4	65,742	1/4	54,981	1/4	44,221	1/4	33,460	1/4	22,925	1/4	12,137	1/4	1,575	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,518	1/2	54,757	1/2	43,996	1/2	33,236	1/2	22,700	1/2	11,912	1/2	1,406	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,293	3/4	54,533	3/4	43,772	3/4	33,012	3/4	22,476	3/4	11,687	3/4	1,238	3/4	3/4	3/4	3/4	3/4	3/4
4	65,069	4	54,309	4	43,548	4	32,793	4	22,251	4	11,462	4	1,107	4	4	4	4	4	4
1/4	64,845	1/4	54,084	1/4	43,324	1/4	32,575	1/4	22,026	1/4	11,238	1/4	976	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,621	1/2	53,860	1/2	43,100	1/2	32,356	1/2	21,801	1/2	11,013	1/2	845	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,397	3/4	53,636	3/4	42,875	3/4	32,138	3/4	21,577	3/4	10,788	3/4	714	3/4	3/4	3/4	3/4	3/4	3/4
5	64,173	5	53,412	5	42,651	5	31,920	5	21,352	5	10,563	5	620	5	5	5	5	5	5
1/4	63,948	1/4	53,188	1/4	42,427	1/4	31,701	1/4	21,127	1/4	10,339	1/4	526	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,724	1/2	52,964	1/2	42,203	1/2	31,483	1/2	20,902	1/2	10,114	1/2	433	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,500	3/4	52,739	3/4	41,979	3/4	31,265	3/4	20,678	3/4	9,889	3/4	339	3/4	3/4	3/4	3/4	3/4	3/4
6	63,276	6	52,515	6	41,755	6	31,046	6	20,453	6	9,664	6	283	6	6	6	6	6	6
1/4	63,052	1/4	52,291	1/4	41,530	1/4	30,828	1/4	20,228	1/4	9,440	1/4	227	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,827	1/2	52,067	1/2	41,306	1/2	30,610	1/2	20,003	1/2	9,215	1/2	170	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,603	3/4	51,843	3/4	41,082	3/4	30,391	3/4	19,779	3/4	8,990	3/4	114	3/4	3/4	3/4	3/4	3/4	3/4
7	62,379	7	51,618	7	40,858	7	30,173	7	19,554	7	8,765	7	96	7	7	7	7	7	7
1/4	62,155	1/4	51,394	1/4	40,634	1/4	29,954	1/4	19,329	1/4	8,541	1/4	77	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,931	1/2	51,170	1/2	40,410	1/2	29,736	1/2	19,104	1/2	8,316	1/2	58	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,707	3/4	50,946	3/4	40,185	3/4	29,518	3/4	18,880	3/4	8,091	3/4	39	3/4	3/4	3/4	3/4	3/4	3/4
8	61,482	8	50,722	8	39,961	8	29,299	8	18,655	8	7,866	8		8	8	8	8	8	8
1/4	61,258	1/4	50,498	1/4	39,737	1/4	29,081	1/4	18,430	1/4	7,642	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,034	1/2	50,273	1/2	39,513	1/2	28,863	1/2	18,205	1/2	7,417	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,810	3/4	50,049	3/4	39,289	3/4	28,644	3/4	17,981	3/4	7,192	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	60,586	9	49,825	9	39,064	9	28,426	9	17,756	9	6,968	9		9	9	9	9	9	9
1/4	60,361	1/4	49,601	1/4	38,840	1/4	28,208	1/4	17,531	1/4	6,743	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,137	1/2	49,377	1/2	38,616	1/2	27,989	1/2	17,306	1/2	6,518	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,913	3/4	49,153	3/4	38,392	3/4	27,771	3/4	17,081	3/4	6,294	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	59,689	10	48,928	10	38,168	10	27,552	10	16,857	10	6,070	10		10	10	10	10	10	10
1/4	59,465	1/4	48,704	1/4	37,944	1/4	27,334	1/4	16,632	1/4	5,846	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,241	1/2	48,480	1/2	37,719	1/2	27,116	1/2	16,407	1/2	5,621	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,016	3/4	48,256	3/4	37,495	3/4	26,897	3/4	16,182	3/4	5,397	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	58,792	11	48,032	11	37,271	11	26,679	11	15,958	11	5,174	11		11	11	11	11	11	11
1/4	58,568	1/4	47,807	1/4	37,047	1/4	26,461	1/4	15,733	1/4	4,951	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,344	1/2	47,583	1/2	36,823	1/2	26,242	1/2	15,508	1/2	4,727	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,120	3/4	47,359	3/4	36,598	3/4	26,024	3/4	15,283	3/4	4,504	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/30/2011 CL - SW  
CALCULATED: 09/30/2011 CL  
PRINTED: 09/30/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2011

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



# BARGE "CBC 1338"

## 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	170,503	0	161,391	0	149,381	0	137,347	0	125,270	0	113,193	0	101,115	0	89,037
1/4	1/4	1/4	1/4	1/4	170,486	1/4	161,141	1/4	149,131	1/4	137,096	1/4	125,018	1/4	112,941	1/4	100,864	1/4	88,786
1/2	1/2	1/2	1/2	1/2	170,469	1/2	160,891	1/2	148,881	1/2	136,844	1/2	124,767	1/2	112,689	1/2	100,612	1/2	88,534
3/4	3/4	3/4	3/4	3/4	170,452	3/4	160,641	3/4	148,630	3/4	136,592	3/4	124,515	3/4	112,438	3/4	100,360	3/4	88,282
1		1		1	170,393	1	160,390	1	148,380	1	136,341	1	124,263	1	112,186	1	100,109	1	88,031
1/4	1/4	1/4	1/4	1/4	170,334	1/4	160,140	1/4	148,130	1/4	136,089	1/4	124,012	1/4	111,935	1/4	99,857	1/4	87,779
1/2	1/2	1/2	1/2	1/2	170,274	1/2	159,890	1/2	147,880	1/2	135,837	1/2	123,760	1/2	111,683	1/2	99,606	1/2	87,527
3/4	3/4	3/4	3/4	3/4	170,215	3/4	159,640	3/4	147,630	3/4	135,586	3/4	123,509	3/4	111,431	3/4	99,354	3/4	87,276
2		2		2	170,114	2	159,390	2	147,379	2	135,334	2	123,257	2	111,180	2	99,102	2	87,024
1/4	1/4	1/4	1/4	1/4	170,013	1/4	159,139	1/4	147,129	1/4	135,083	1/4	123,005	1/4	110,928	1/4	98,851	1/4	86,772
1/2	1/2	1/2	1/2	1/2	169,912	1/2	158,889	1/2	146,879	1/2	134,831	1/2	122,754	1/2	110,676	1/2	98,599	1/2	86,521
3/4	3/4	3/4	3/4	3/4	169,811	3/4	158,639	3/4	146,629	3/4	134,579	3/4	122,502	3/4	110,425	3/4	98,348	3/4	86,269
3		3		3	169,668	3	158,389	3	146,379	3	134,328	3	122,251	3	110,173	3	98,096	3	86,017
1/4	1/4	1/4	1/4	1/4	169,525	1/4	158,138	1/4	146,128	1/4	134,076	1/4	121,999	1/4	109,922	1/4	97,844	1/4	85,766
1/2	1/2	1/2	1/2	1/2	169,382	1/2	157,888	1/2	145,878	1/2	133,825	1/2	121,747	1/2	109,670	1/2	97,593	1/2	85,514
3/4	3/4	3/4	3/4	3/4	169,239	3/4	157,638	3/4	145,628	3/4	133,573	3/4	121,496	3/4	109,418	3/4	97,341	3/4	85,262
4		4		4	169,054	4	157,388	4	145,378	4	133,321	4	121,244	4	109,167	4	97,090	4	85,011
1/4	1/4	1/4	1/4	1/4	168,869	1/4	157,138	1/4	145,127	1/4	133,070	1/4	120,992	1/4	108,915	1/4	96,838	1/4	84,759
1/2	1/2	1/2	1/2	1/2	168,684	1/2	156,887	1/2	144,877	1/2	132,818	1/2	120,741	1/2	108,664	1/2	96,586	1/2	84,508
3/4	3/4	3/4	3/4	3/4	168,499	3/4	156,637	3/4	144,627	3/4	132,567	3/4	120,489	3/4	108,412	3/4	96,335	3/4	84,256
5		5		5	168,272	5	156,387	5	144,377	5	132,315	5	120,238	5	108,160	5	96,083	5	84,004
1/4	1/4	1/4	1/4	1/4	168,045	1/4	156,137	1/4	144,127	1/4	132,063	1/4	119,986	1/4	107,909	1/4	95,831	1/4	83,753
1/2	1/2	1/2	1/2	1/2	167,818	1/2	155,887	1/2	143,876	1/2	131,812	1/2	119,734	1/2	107,657	1/2	95,580	1/2	83,501
3/4	3/4	3/4	3/4	3/4	167,591	3/4	155,636	3/4	143,626	3/4	131,560	3/4	119,483	3/4	107,406	3/4	95,328	3/4	83,249
6		6		6	167,343	6	155,386	6	143,376	6	131,309	6	119,231	6	107,154	6	95,077	6	82,998
1/4	1/4	1/4	1/4	1/4	167,095	1/4	155,136	1/4	143,126	1/4	131,057	1/4	118,980	1/4	106,902	1/4	94,825	1/4	82,746
1/2	1/2	1/2	1/2	1/2	166,847	1/2	154,886	1/2	142,876	1/2	130,805	1/2	118,728	1/2	106,651	1/2	94,573	1/2	82,494
3/4	3/4	3/4	3/4	3/4	166,599	3/4	154,635	3/4	142,625	3/4	130,554	3/4	118,476	3/4	106,399	3/4	94,322	3/4	82,243
7		7		7	166,351	7	154,385	7	142,375	7	130,302	7	118,225	7	106,148	7	94,070	7	81,991
1/4	1/4	1/4	1/4	1/4	166,104	1/4	154,135	1/4	142,125	1/4	130,050	1/4	117,973	1/4	105,896	1/4	93,819	1/4	81,739
1/2	1/2	1/2	1/2	1/2	165,856	1/2	153,885	1/2	141,875	1/2	129,799	1/2	117,722	1/2	105,644	1/2	93,567	1/2	81,488
3/4	3/4	3/4	3/4	3/4	165,608	3/4	153,635	3/4	141,625	3/4	129,547	3/4	117,470	3/4	105,393	3/4	93,315	3/4	81,236
8		8		8	165,360	8	153,384	8	141,373	8	129,296	8	117,218	8	105,141	8	93,064	8	80,984
1/4	1/4	1/4	1/4	1/4	165,112	1/4	153,134	1/4	141,121	1/4	129,044	1/4	116,967	1/4	104,889	1/4	92,812	1/4	80,733
1/2	1/2	1/2	1/2	1/2	164,864	1/2	152,884	1/2	140,870	1/2	128,792	1/2	116,715	1/2	104,638	1/2	92,560	1/2	80,481
3/4	3/4	3/4	3/4	3/4	164,616	3/4	152,634	3/4	140,618	3/4	128,541	3/4	116,464	3/4	104,386	3/4	92,309	3/4	80,229
9		9		9	164,368	9	152,384	9	140,366	9	128,289	9	116,212	9	104,135	9	92,057	9	79,978
1/4	1/4	1/4	1/4	1/4	164,120	1/4	152,133	1/4	140,115	1/4	128,038	1/4	115,960	1/4	103,883	1/4	91,805	1/4	79,726
1/2	1/2	1/2	1/2	1/2	163,872	1/2	151,883	1/2	139,863	1/2	127,786	1/2	115,709	1/2	103,631	1/2	91,554	1/2	79,474
3/4	3/4	3/4	3/4	3/4	163,625	3/4	151,633	3/4	139,612	3/4	127,534	3/4	115,457	3/4	103,380	3/4	91,302	3/4	79,223
10		10		10	163,377	10	151,383	10	139,360	10	127,283	10	115,205	10	103,128	10	91,051	10	78,971
1/4	1/4	1/4	1/4	1/4	163,129	1/4	151,133	1/4	139,108	1/4	127,031	1/4	114,954	1/4	102,877	1/4	90,799	1/4	78,719
1/2	1/2	1/2	1/2	1/2	162,881	1/2	150,882	1/2	138,857	1/2	126,780	1/2	114,702	1/2	102,625	1/2	90,547	1/2	78,468
3/4	3/4	3/4	3/4	3/4	162,633	3/4	150,632	3/4	138,605	3/4	126,528	3/4	114,451	3/4	102,373	3/4	90,296	3/4	78,216
11		11		11	162,385	11	150,382	11	138,354	11	126,276	11	114,199	11	102,122	11	90,044	11	77,965
1/4	1/4	1/4	1/4	1/4	162,137	1/4	150,132	1/4	138,102	1/4	126,025	1/4	113,947	1/4	101,870	1/4	89,792	1/4	77,713
1/2	1/2	1/2	1/2	1/2	161,889	1/2	149,881	1/2	137,850	1/2	125,773	1/2	113,696	1/2	101,619	1/2	89,541	1/2	77,461
3/4	3/4	3/4	3/4	3/4	170,521	3/4	161,641	3/4	149,631	3/4	137,599	3/4	125,521	3/4	113,444	3/4	101,367	3/4	77,210

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

<http://www.pmacorp.net>



# BARGE "CBC 1338"

## 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	76,958	0	64,879	0	52,799	0	40,720	0	28,913	0	16,855	0	4,789	0		0		0	
1/4	76,706	1/4	64,627	1/4	52,548	1/4	40,468	1/4	28,669	1/4	16,604	1/4	4,540	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,455	1/2	64,375	1/2	52,296	1/2	40,217	1/2	28,424	1/2	16,352	1/2	4,292	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,203	3/4	64,124	3/4	52,044	3/4	39,965	3/4	28,179	3/4	16,101	3/4	4,043	3/4	3/4	3/4	3/4	3/4	3/4
1	75,951	1	63,872	1	51,793	1	39,713	1	27,928	1	15,849	1	3,796	1	1	1	1	1	1
1/4	75,700	1/4	63,620	1/4	51,541	1/4	39,462	1/4	27,676	1/4	15,597	1/4	3,550	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,448	1/2	63,369	1/2	51,289	1/2	39,210	1/2	27,425	1/2	15,346	1/2	3,303	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,196	3/4	63,117	3/4	51,038	3/4	38,958	3/4	27,173	3/4	15,094	3/4	3,056	3/4	3/4	3/4	3/4	3/4	3/4
2	74,945	2	62,865	2	50,786	2	38,707	2	26,921	2	14,842	2	2,826	2	2	2	2	2	2
1/4	74,693	1/4	62,614	1/4	50,534	1/4	38,455	1/4	26,670	1/4	14,591	1/4	2,596	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,441	1/2	62,362	1/2	50,283	1/2	38,203	1/2	26,418	1/2	14,339	1/2	2,366	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,190	3/4	62,110	3/4	50,031	3/4	37,952	3/4	26,166	3/4	14,087	3/4	2,136	3/4	3/4	3/4	3/4	3/4	3/4
3	73,938	3	61,859	3	49,779	3	37,707	3	25,915	3	13,836	3	1,948	3	3	3	3	3	3
1/4	73,686	1/4	61,607	1/4	49,528	1/4	37,462	1/4	25,663	1/4	13,584	1/4	1,759	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,435	1/2	61,355	1/2	49,276	1/2	37,218	1/2	25,411	1/2	13,332	1/2	1,570	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,183	3/4	61,104	3/4	49,024	3/4	36,973	3/4	25,160	3/4	13,081	3/4	1,381	3/4	3/4	3/4	3/4	3/4	3/4
4	72,931	4	60,852	4	48,773	4	36,729	4	24,908	4	12,829	4	1,235	4	4	4	4	4	4
1/4	72,680	1/4	60,600	1/4	48,521	1/4	36,485	1/4	24,656	1/4	12,577	1/4	1,088	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,428	1/2	60,349	1/2	48,269	1/2	36,241	1/2	24,405	1/2	12,326	1/2	941	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,177	3/4	60,097	3/4	48,018	3/4	35,996	3/4	24,153	3/4	12,074	3/4	794	3/4	3/4	3/4	3/4	3/4	3/4
5	71,925	5	59,845	5	47,766	5	35,752	5	23,901	5	11,823	5	689	5	5	5	5	5	5
1/4	71,673	1/4	59,594	1/4	47,514	1/4	35,508	1/4	23,650	1/4	11,571	1/4	584	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,422	1/2	59,342	1/2	47,263	1/2	35,264	1/2	23,398	1/2	11,319	1/2	480	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,170	3/4	59,091	3/4	47,011	3/4	35,019	3/4	23,147	3/4	11,068	3/4	375	3/4	3/4	3/4	3/4	3/4	3/4
6	70,918	6	58,839	6	46,760	6	34,775	6	22,895	6	10,816	6	312	6	6	6	6	6	6
1/4	70,667	1/4	58,587	1/4	46,508	1/4	34,531	1/4	22,643	1/4	10,564	1/4	249	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,415	1/2	58,336	1/2	46,256	1/2	34,287	1/2	22,392	1/2	10,313	1/2	186	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,163	3/4	58,084	3/4	46,005	3/4	34,042	3/4	22,140	3/4	10,061	3/4	123	3/4	3/4	3/4	3/4	3/4	3/4
7	69,912	7	57,832	7	45,753	7	33,798	7	21,888	7	9,809	7	102	7	7	7	7	7	7
1/4	69,660	1/4	57,581	1/4	45,501	1/4	33,554	1/4	21,637	1/4	9,558	1/4	81	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,408	1/2	57,329	1/2	45,250	1/2	33,310	1/2	21,385	1/2	9,306	1/2	60	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,157	3/4	57,077	3/4	44,998	3/4	33,066	3/4	21,133	3/4	9,054	3/4	39	3/4	3/4	3/4	3/4	3/4	3/4
8	68,905	8	56,826	8	44,746	8	32,821	8	20,882	8	8,803	8		8	8	8	8	8	8
1/4	68,653	1/4	56,574	1/4	44,495	1/4	32,577	1/4	20,630	1/4	8,551	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,402	1/2	56,322	1/2	44,243	1/2	32,333	1/2	20,378	1/2	8,300	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,150	3/4	56,071	3/4	43,991	3/4	32,089	3/4	20,127	3/4	8,048	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	67,898	9	55,819	9	43,740	9	31,844	9	19,875	9	7,797	9		9	9	9	9	9	9
1/4	67,647	1/4	55,567	1/4	43,488	1/4	31,600	1/4	19,624	1/4	7,545	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,395	1/2	55,316	1/2	43,236	1/2	31,356	1/2	19,372	1/2	7,294	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,143	3/4	55,064	3/4	42,985	3/4	31,112	3/4	19,120	3/4	7,042	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	66,892	10	54,812	10	42,733	10	30,867	10	18,869	10	6,791	10		10	10	10	10	10	10
1/4	66,640	1/4	54,561	1/4	42,481	1/4	30,623	1/4	18,617	1/4	6,540	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,388	1/2	54,309	1/2	42,230	1/2	30,379	1/2	18,365	1/2	6,290	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,137	3/4	54,057	3/4	41,978	3/4	30,135	3/4	18,114	3/4	6,039	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	65,885	11	53,806	11	41,726	11	29,890	11	17,862	11	5,788	11		11	11	11	11	11	11
1/4	65,634	1/4	53,554	1/4	41,475	1/4	29,646	1/4	17,610	1/4	5,538	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,382	1/2	53,303	1/2	41,223	1/2	29,402	1/2	17,359	1/2	5,288	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,130	3/4	53,051	3/4	40,971	3/4	29,158	3/4	17,107	3/4	5,038	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/30/2011 CL - SW  
CALCULATED: 09/30/2011 CL  
PRINTED: 09/30/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2011

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



# BARGE "CBC 1338"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	151,658	0	143,772	0	133,107	0	122,422	0	111,698	0	100,974	0	90,249	0	79,525
1/4	1/4	1/4	1/4	1/4	151,642	1/4	143,550	1/4	132,885	1/4	122,199	1/4	111,474	1/4	100,750	1/4	90,026	1/4	79,301
1/2	1/2	1/2	1/2	1/2	151,627	1/2	143,328	1/2	132,663	1/2	121,975	1/2	111,251	1/2	100,527	1/2	89,803	1/2	79,078
3/4	3/4	3/4	3/4	3/4	151,612	3/4	143,106	3/4	132,440	3/4	121,752	3/4	111,028	3/4	100,303	3/4	89,579	3/4	78,854
1		1		1	151,596	1	142,884	1	132,218	1	121,528	1	110,804	1	100,080	1	89,356	1	78,631
1/4	1/4	1/4	1/4	1/4	151,544	1/4	142,661	1/4	131,996	1/4	121,305	1/4	110,581	1/4	99,856	1/4	89,132	1/4	78,407
1/2	1/2	1/2	1/2	1/2	151,491	1/2	142,439	1/2	131,774	1/2	121,081	1/2	110,357	1/2	99,633	1/2	88,909	1/2	78,184
3/4	3/4	3/4	3/4	3/4	151,439	3/4	142,217	3/4	131,552	3/4	120,858	3/4	110,134	3/4	99,410	3/4	88,685	3/4	77,960
2		2		2	151,386	2	141,995	2	131,329	2	120,635	2	109,910	2	99,186	2	88,462	2	77,737
1/4	1/4	1/4	1/4	1/4	151,297	1/4	141,773	1/4	131,107	1/4	120,411	1/4	109,687	1/4	98,963	1/4	88,239	1/4	77,513
1/2	1/2	1/2	1/2	1/2	151,207	1/2	141,550	1/2	130,885	1/2	120,188	1/2	109,464	1/2	98,739	1/2	88,015	1/2	77,290
3/4	3/4	3/4	3/4	3/4	151,117	3/4	141,328	3/4	130,663	3/4	119,964	3/4	109,240	3/4	98,516	3/4	87,792	3/4	77,067
3		3		3	151,027	3	141,106	3	130,441	3	119,741	3	109,017	3	98,293	3	87,568	3	76,843
1/4	1/4	1/4	1/4	1/4	150,900	1/4	140,884	1/4	130,218	1/4	119,518	1/4	108,793	1/4	98,069	1/4	87,345	1/4	76,620
1/2	1/2	1/2	1/2	1/2	150,773	1/2	140,662	1/2	129,996	1/2	119,294	1/2	108,570	1/2	97,846	1/2	87,122	1/2	76,396
3/4	3/4	3/4	3/4	3/4	150,646	3/4	140,439	3/4	129,774	3/4	119,071	3/4	108,346	3/4	97,622	3/4	86,898	3/4	76,173
4		4		4	150,519	4	140,217	4	129,552	4	118,847	4	108,123	4	97,399	4	86,675	4	75,949
1/4	1/4	1/4	1/4	1/4	150,355	1/4	139,995	1/4	129,330	1/4	118,624	1/4	107,900	1/4	97,175	1/4	86,451	1/4	75,726
1/2	1/2	1/2	1/2	1/2	150,190	1/2	139,773	1/2	129,107	1/2	118,400	1/2	107,676	1/2	96,952	1/2	86,228	1/2	75,502
3/4	3/4	3/4	3/4	3/4	150,026	3/4	139,551	3/4	128,885	3/4	118,177	3/4	107,453	3/4	96,729	3/4	86,004	3/4	75,279
5		5		5	149,862	5	139,328	5	128,663	5	117,954	5	107,229	5	96,505	5	85,781	5	75,055
1/4	1/4	1/4	1/4	1/4	149,660	1/4	139,106	1/4	128,441	1/4	117,730	1/4	107,006	1/4	96,282	1/4	85,558	1/4	74,832
1/2	1/2	1/2	1/2	1/2	149,459	1/2	138,884	1/2	128,219	1/2	117,507	1/2	106,783	1/2	96,058	1/2	85,334	1/2	74,609
3/4	3/4	3/4	3/4	3/4	149,257	3/4	138,662	3/4	127,996	3/4	117,283	3/4	106,559	3/4	95,835	3/4	85,111	3/4	74,385
6		6		6	149,056	6	138,440	6	127,774	6	117,060	6	106,336	6	95,611	6	84,887	6	74,162
1/4	1/4	1/4	1/4	1/4	148,836	1/4	138,217	1/4	127,552	1/4	116,836	1/4	106,112	1/4	95,388	1/4	84,664	1/4	73,938
1/2	1/2	1/2	1/2	1/2	148,616	1/2	137,995	1/2	127,330	1/2	116,613	1/2	105,889	1/2	95,165	1/2	84,440	1/2	73,715
3/4	3/4	3/4	3/4	3/4	148,395	3/4	137,773	3/4	127,108	3/4	116,390	3/4	105,665	3/4	94,941	3/4	84,217	3/4	73,491
7		7		7	148,175	7	137,551	7	126,886	7	116,166	7	105,442	7	94,718	7	83,994	7	73,268
1/4	1/4	1/4	1/4	1/4	147,955	1/4	137,329	1/4	126,663	1/4	115,943	1/4	105,219	1/4	94,494	1/4	83,770	1/4	73,044
1/2	1/2	1/2	1/2	1/2	147,735	1/2	137,107	1/2	126,441	1/2	115,719	1/2	104,995	1/2	94,271	1/2	83,547	1/2	72,821
3/4	3/4	3/4	3/4	3/4	147,515	3/4	136,884	3/4	126,219	3/4	115,496	3/4	104,772	3/4	94,048	3/4	83,323	3/4	72,597
8		8		8	147,295	8	136,662	8	125,997	8	115,273	8	104,548	8	93,824	8	83,100	8	72,374
1/4	1/4	1/4	1/4	1/4	147,075	1/4	136,440	1/4	125,773	1/4	115,049	1/4	104,325	1/4	93,601	1/4	82,876	1/4	72,150
1/2	1/2	1/2	1/2	1/2	146,854	1/2	136,218	1/2	125,550	1/2	114,826	1/2	104,101	1/2	93,377	1/2	82,653	1/2	71,927
3/4	3/4	3/4	3/4	3/4	146,634	3/4	135,996	3/4	125,326	3/4	114,602	3/4	103,878	3/4	93,154	3/4	82,430	3/4	71,704
9		9		9	146,414	9	135,773	9	125,103	9	114,379	9	103,655	9	92,930	9	82,206	9	71,480
1/4	1/4	1/4	1/4	1/4	146,194	1/4	135,551	1/4	124,880	1/4	114,155	1/4	103,431	1/4	92,707	1/4	81,983	1/4	71,257
1/2	1/2	1/2	1/2	1/2	145,974	1/2	135,329	1/2	124,656	1/2	113,932	1/2	103,208	1/2	92,484	1/2	81,759	1/2	71,033
3/4	3/4	3/4	3/4	3/4	145,754	3/4	135,107	3/4	124,433	3/4	113,709	3/4	102,984	3/4	92,260	3/4	81,536	3/4	70,810
10		10		10	145,534	10	134,885	10	124,209	10	113,485	10	102,761	10	92,037	10	81,312	10	70,586
1/4	1/4	1/4	1/4	1/4	145,313	1/4	134,662	1/4	123,986	1/4	113,262	1/4	102,538	1/4	91,813	1/4	81,089	1/4	70,363
1/2	1/2	1/2	1/2	1/2	145,093	1/2	134,440	1/2	123,763	1/2	113,038	1/2	102,314	1/2	91,590	1/2	80,865	1/2	70,139
3/4	3/4	3/4	3/4	3/4	144,873	3/4	134,218	3/4	123,539	3/4	112,815	3/4	102,091	3/4	91,366	3/4	80,642	3/4	69,916
11		11		11	144,653	11	133,996	11	123,316	11	112,591	11	101,867	11	91,143	11	80,418	11	69,692
1/4	1/4	1/4	1/4	1/4	144,433	1/4	133,774	1/4	123,092	1/4	112,368	1/4	101,644	1/4	90,920	1/4	80,195	1/4	69,469
1/2	1/2	1/2	1/2	1/2	144,213	1/2	133,551	1/2	122,869	1/2	112,145	1/2	101,420	1/2	90,696	1/2	79,972	1/2	69,246
3/4	3/4	3/4	3/4	3/4	143,993	3/4	133,329	3/4	122,645	3/4	111,921	3/4	101,197	3/4	90,473	3/4	79,748	3/4	69,022

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'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 1338"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

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	68,799	0	58,073	0	47,347	0	36,621	0	25,918	0	15,195	0	4,478	0		0		0	
1/4	68,575	1/4	57,849	1/4	47,123	1/4	36,397	1/4	25,694	1/4	14,971	1/4	4,257	1/4	1/4		1/4		1/4
1/2	68,352	1/2	57,626	1/2	46,900	1/2	36,174	1/2	25,471	1/2	14,748	1/2	4,036	1/2	1/2		1/2		1/2
3/4	68,128	3/4	57,402	3/4	46,676	3/4	35,950	3/4	25,248	3/4	14,524	3/4	3,815	3/4	3/4		3/4		3/4
1	67,905	1	57,179	1	46,453	1	35,727	1	25,025	1	14,301	1	3,594	1	1		1		1
1/4	67,681	1/4	56,955	1/4	46,229	1/4	35,503	1/4	24,802	1/4	14,078	1/4	3,375	1/4	1/4		1/4		1/4
1/2	67,458	1/2	56,732	1/2	46,006	1/2	35,280	1/2	24,579	1/2	13,854	1/2	3,156	1/2	1/2		1/2		1/2
3/4	67,234	3/4	56,508	3/4	45,782	3/4	35,056	3/4	24,356	3/4	13,631	3/4	2,937	3/4	3/4		3/4		3/4
2	67,011	2	56,285	2	45,559	2	34,833	2	24,133	2	13,407	2	2,718	2	2		2		2
1/4	66,787	1/4	56,061	1/4	45,335	1/4	34,609	1/4	23,909	1/4	13,184	1/4	2,514	1/4	1/4		1/4		1/4
1/2	66,564	1/2	55,838	1/2	45,112	1/2	34,386	1/2	23,686	1/2	12,960	1/2	2,310	1/2	1/2		1/2		1/2
3/4	66,341	3/4	55,615	3/4	44,889	3/4	34,163	3/4	23,462	3/4	12,737	3/4	2,106	3/4	3/4		3/4		3/4
3	66,117	3	55,391	3	44,665	3	33,939	3	23,239	3	12,513	3	1,901	3	3		3		3
1/4	65,894	1/4	55,168	1/4	44,442	1/4	33,716	1/4	23,016	1/4	12,290	1/4	1,734	1/4	1/4		1/4		1/4
1/2	65,670	1/2	54,944	1/2	44,218	1/2	33,492	1/2	22,792	1/2	12,066	1/2	1,566	1/2	1/2		1/2		1/2
3/4	65,447	3/4	54,721	3/4	43,995	3/4	33,269	3/4	22,569	3/4	11,843	3/4	1,399	3/4	3/4		3/4		3/4
4	65,223	4	54,497	4	43,771	4	33,045	4	22,345	4	11,620	4	1,231	4	4		4		4
1/4	65,000	1/4	54,274	1/4	43,548	1/4	32,822	1/4	22,122	1/4	11,396	1/4	1,101	1/4	1/4		1/4		1/4
1/2	64,776	1/2	54,050	1/2	43,324	1/2	32,600	1/2	21,898	1/2	11,173	1/2	970	1/2	1/2		1/2		1/2
3/4	64,553	3/4	53,827	3/4	43,101	3/4	32,377	3/4	21,675	3/4	10,949	3/4	840	3/4	3/4		3/4		3/4
5	64,329	5	53,603	5	42,877	5	32,154	5	21,451	5	10,726	5	710	5	5		5		5
1/4	64,106	1/4	53,380	1/4	42,654	1/4	31,932	1/4	21,228	1/4	10,502	1/4	617	1/4	1/4		1/4		1/4
1/2	63,882	1/2	53,156	1/2	42,430	1/2	31,709	1/2	21,004	1/2	10,279	1/2	523	1/2	1/2		1/2		1/2
3/4	63,659	3/4	52,933	3/4	42,207	3/4	31,486	3/4	20,781	3/4	10,055	3/4	430	3/4	3/4		3/4		3/4
6	63,436	6	52,710	6	41,984	6	31,263	6	20,558	6	9,832	6	337	6	6		6		6
1/4	63,212	1/4	52,486	1/4	41,760	1/4	31,041	1/4	20,334	1/4	9,609	1/4	281	1/4	1/4		1/4		1/4
1/2	62,989	1/2	52,263	1/2	41,537	1/2	30,818	1/2	20,111	1/2	9,385	1/2	226	1/2	1/2		1/2		1/2
3/4	62,765	3/4	52,039	3/4	41,313	3/4	30,595	3/4	19,887	3/4	9,162	3/4	170	3/4	3/4		3/4		3/4
7	62,542	7	51,816	7	41,090	7	30,372	7	19,664	7	8,938	7	114	7	7		7		7
1/4	62,318	1/4	51,592	1/4	40,866	1/4	30,150	1/4	19,440	1/4	8,715	1/4	95	1/4	1/4		1/4		1/4
1/2	62,095	1/2	51,369	1/2	40,643	1/2	29,927	1/2	19,217	1/2	8,491	1/2	77	1/2	1/2		1/2		1/2
3/4	61,871	3/4	51,145	3/4	40,419	3/4	29,704	3/4	18,993	3/4	8,268	3/4	58	3/4	3/4		3/4		3/4
8	61,648	8	50,922	8	40,196	8	29,481	8	18,770	8	8,044	8	39	8	8		8		8
1/4	61,424	1/4	50,698	1/4	39,972	1/4	29,259	1/4	18,547	1/4	7,821	1/4		1/4	1/4		1/4		1/4
1/2	61,201	1/2	50,475	1/2	39,749	1/2	29,036	1/2	18,323	1/2	7,598	1/2		1/2	1/2		1/2		1/2
3/4	60,978	3/4	50,252	3/4	39,526	3/4	28,813	3/4	18,100	3/4	7,374	3/4		3/4	3/4		3/4		3/4
9	60,754	9	50,028	9	39,302	9	28,590	9	17,876	9	7,151	9		9	9		9		9
1/4	60,531	1/4	49,805	1/4	39,079	1/4	28,368	1/4	17,653	1/4	6,927	1/4		1/4	1/4		1/4		1/4
1/2	60,307	1/2	49,581	1/2	38,855	1/2	28,145	1/2	17,429	1/2	6,704	1/2		1/2	1/2		1/2		1/2
3/4	60,084	3/4	49,358	3/4	38,632	3/4	27,922	3/4	17,206	3/4	6,481	3/4		3/4	3/4		3/4		3/4
10	59,860	10	49,134	10	38,408	10	27,699	10	16,982	10	6,258	10		10	10		10		10
1/4	59,637	1/4	48,911	1/4	38,185	1/4	27,477	1/4	16,759	1/4	6,035	1/4		1/4	1/4		1/4		1/4
1/2	59,413	1/2	48,687	1/2	37,961	1/2	27,254	1/2	16,535	1/2	5,812	1/2		1/2	1/2		1/2		1/2
3/4	59,190	3/4	48,464	3/4	37,738	3/4	27,031	3/4	16,312	3/4	5,589	3/4		3/4	3/4		3/4		3/4
11	58,966	11	48,240	11	37,514	11	26,808	11	16,089	11	5,366	11		11	11		11		11
1/4	58,743	1/4	48,017	1/4	37,291	1/4	26,586	1/4	15,865	1/4	5,144	1/4		1/4	1/4		1/4		1/4
1/2	58,519	1/2	47,793	1/2	37,067	1/2	26,363	1/2	15,642	1/2	4,922	1/2		1/2	1/2		1/2		1/2
3/4	58,296	3/4	47,570	3/4	36,844	3/4	26,140	3/4	15,418	3/4	4,700	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/30/2011 CL - SW  
CALCULATED: 09/30/2011 CL  
PRINTED: 09/30/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2011

PRECISION MEASUREMENT  
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