



BARGE "CBC 1703"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS - 00-5/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 3/8"

LENGTH BETWEEN DRAFT MARKS: 162'-09"

July 23, 2019

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1703"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 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	15,703	0	34,510	0	53,157	0	71,847	0	90,624	0	109,401	0	128,155	0	146,938	0	165,720
1/4	88	1/4	16,095	1/4	34,901	1/4	53,542	1/4	72,239	1/4	91,016	1/4	109,792	1/4	128,546	1/4	147,329	1/4	166,112
1/2	137	1/2	16,487	1/2	35,292	1/2	53,928	1/2	72,630	1/2	91,407	1/2	110,183	1/2	128,938	1/2	147,720	1/2	166,503
3/4	186	3/4	16,878	3/4	35,684	3/4	54,313	3/4	73,021	3/4	91,798	3/4	110,573	3/4	129,329	3/4	148,112	3/4	166,894
1	235	1	17,270	1	36,075	1	54,699	1	73,412	1	92,189	1	110,964	1	129,720	1	148,503	1	167,286
1/4	382	1/4	17,662	1/4	36,466	1/4	55,084	1/4	73,803	1/4	92,580	1/4	111,355	1/4	130,112	1/4	148,894	1/4	167,676
1/2	529	1/2	18,054	1/2	36,858	1/2	55,470	1/2	74,195	1/2	92,971	1/2	111,745	1/2	130,503	1/2	149,286	1/2	168,067
3/4	676	3/4	18,446	3/4	37,249	3/4	55,856	3/4	74,586	3/4	93,363	3/4	112,136	3/4	130,894	3/4	149,677	3/4	168,458
2	823	2	18,838	2	37,641	2	56,241	2	74,977	2	93,754	2	112,526	2	131,286	2	150,068	2	168,849
1/4	1,068	1/4	19,229	1/4	38,032	1/4	56,627	1/4	75,368	1/4	94,145	1/4	112,917	1/4	131,677	1/4	150,460	1/4	169,240
1/2	1,313	1/2	19,621	1/2	38,423	1/2	57,013	1/2	75,759	1/2	94,536	1/2	113,307	1/2	132,068	1/2	150,851	1/2	169,630
3/4	1,558	3/4	20,013	3/4	38,815	3/4	57,399	3/4	76,150	3/4	94,927	3/4	113,698	3/4	132,459	3/4	151,242	3/4	170,021
3	1,803	3	20,405	3	39,206	3	57,785	3	76,542	3	95,319	3	114,089	3	132,851	3	151,634	3	170,412
1/4	2,145	1/4	20,797	1/4	39,597	1/4	58,171	1/4	76,933	1/4	95,710	1/4	114,479	1/4	133,242	1/4	152,025	1/4	170,803
1/2	2,488	1/2	21,189	1/2	39,989	1/2	58,557	1/2	77,324	1/2	96,101	1/2	114,870	1/2	133,633	1/2	152,416	1/2	171,194
3/4	2,831	3/4	21,581	3/4	40,380	3/4	58,943	3/4	77,715	3/4	96,492	3/4	115,260	3/4	134,025	3/4	152,807	3/4	171,584
4	3,174	4	21,972	4	40,771	4	59,329	4	78,106	4	96,883	4	115,651	4	134,416	4	153,199	4	171,975
1/4	3,564	1/4	22,364	1/4	41,163	1/4	59,721	1/4	78,498	1/4	97,275	1/4	116,041	1/4	134,807	1/4	153,590	1/4	172,366
1/2	3,954	1/2	22,756	1/2	41,554	1/2	60,112	1/2	78,889	1/2	97,666	1/2	116,432	1/2	135,199	1/2	153,981	1/2	172,757
3/4	4,344	3/4	23,148	3/4	41,946	3/4	60,503	3/4	79,280	3/4	98,057	3/4	116,823	3/4	135,590	3/4	154,373	3/4	173,148
5	4,733	5	23,540	5	42,337	5	60,894	5	79,671	5	98,448	5	117,213	5	135,981	5	154,764	5	173,539
1/4	5,125	1/4	23,932	1/4	42,728	1/4	61,285	1/4	80,062	1/4	98,839	1/4	117,604	1/4	136,373	1/4	155,155	1/4	173,929
1/2	5,516	1/2	24,324	1/2	43,120	1/2	61,677	1/2	80,454	1/2	99,230	1/2	117,994	1/2	136,764	1/2	155,547	1/2	174,320
3/4	5,907	3/4	24,715	3/4	43,511	3/4	62,068	3/4	80,845	3/4	99,622	3/4	118,385	3/4	137,155	3/4	155,938	3/4	174,711
6	6,299	6	25,107	6	43,902	6	62,459	6	81,236	6	100,013	6	118,775	6	137,546	6	156,329	6	175,102
1/4	6,690	1/4	25,499	1/4	44,288	1/4	62,850	1/4	81,627	1/4	100,404	1/4	119,166	1/4	137,938	1/4	156,721	1/4	175,493
1/2	7,082	1/2	25,891	1/2	44,674	1/2	63,241	1/2	82,018	1/2	100,795	1/2	119,557	1/2	138,329	1/2	157,112	1/2	175,883
3/4	7,474	3/4	26,283	3/4	45,059	3/4	63,632	3/4	82,409	3/4	101,186	3/4	119,947	3/4	138,720	3/4	157,503	3/4	176,274
7	7,866	7	26,675	7	45,445	7	64,024	7	82,801	7	101,578	7	120,338	7	139,112	7	157,894	7	176,665
1/4	8,258	1/4	27,066	1/4	45,830	1/4	64,415	1/4	83,192	1/4	101,969	1/4	120,728	1/4	139,503	1/4	158,286	1/4	177,008
1/2	8,650	1/2	27,458	1/2	46,216	1/2	64,806	1/2	83,583	1/2	102,360	1/2	121,119	1/2	139,894	1/2	158,677	1/2	177,352
3/4	9,041	3/4	27,850	3/4	46,601	3/4	65,197	3/4	83,974	3/4	102,751	3/4	121,509	3/4	140,286	3/4	159,068	3/4	177,695
8	9,433	8	28,242	8	46,987	8	65,588	8	84,365	8	103,142	8	121,900	8	140,677	8	159,460	8	178,038
1/4	9,825	1/4	28,634	1/4	47,373	1/4	65,980	1/4	84,757	1/4	103,534	1/4	122,291	1/4	141,068	1/4	159,851	1/4	178,381
1/2	10,217	1/2	29,026	1/2	47,758	1/2	66,371	1/2	85,148	1/2	103,925	1/2	122,681	1/2	141,460	1/2	160,242	1/2	178,725
3/4	10,609	3/4	29,418	3/4	48,144	3/4	66,762	3/4	85,539	3/4	104,316	3/4	123,072	3/4	141,851	3/4	160,634	3/4	179,068
9	11,001	9	29,809	9	48,529	9	67,153	9	85,930	9	104,707	9	123,462	9	142,242	9	161,025	9	179,411
1/4	11,392	1/4	30,201	1/4	48,915	1/4	67,544	1/4	86,321	1/4	105,098	1/4	123,853	1/4	142,633	1/4	161,416	1/4	179,755
1/2	11,784	1/2	30,593	1/2	49,301	1/2	67,936	1/2	86,712	1/2	105,489	1/2	124,243	1/2	143,025	1/2	161,808	1/2	180,098
3/4	12,176	3/4	30,985	3/4	49,686	3/4	68,327	3/4	87,104	3/4	105,881	3/4	124,634	3/4	143,416	3/4	162,199	3/4	180,441
10	12,568	10	31,377	10	50,072	10	68,718	10	87,495	10	106,272	10	125,025	10	143,807	10	162,590	10	180,785
1/4	12,960	1/4	31,769	1/4	50,457	1/4	69,109	1/4	87,886	1/4	106,663	1/4	125,416	1/4	144,199	1/4	162,981	1/4	181,128
1/2	13,352	1/2	32,161	1/2	50,843	1/2	69,500	1/2	88,277	1/2	107,054	1/2	125,807	1/2	144,590	1/2	163,373	1/2	181,471
3/4	13,744	3/4	32,552	3/4	51,229	3/4	69,891	3/4	88,668	3/4	107,445	3/4	126,199	3/4	144,981	3/4	163,764	3/4	181,814
11	14,135	11	32,944	11	51,614	11	70,283	11	89,060	11	107,837	11	126,590	11	145,373	11	164,155	11	182,158
1/4	14,527	1/4	33,336	1/4	52,000	1/4	70,674	1/4	89,451	1/4	108,228	1/4	126,981	1/4	145,764	1/4	164,547	1/4	182,501
1/2	14,919	1/2	33,727	1/2	52,385	1/2	71,065	1/2	89,842	1/2	108,619	1/2	127,372	1/2	146,155	1/2	164,938	1/2	182,844
3/4	15,311	3/4	34,118	3/4	52,771	3/4	71,456	3/4	90,233	3/4	109,010	3/4	127,764	3/4	146,547	3/4	165,329	3/4	183,188

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 1'-03" OFF CENTERLINE AND 22'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 1703"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 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	183,531	0	199,973	0	216,407	0	229,803	0		0		0		0		0		0	
1/4	183,874	1/4	200,315	1/4	216,749	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	184,217	1/2	200,657	1/2	217,092	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	184,561	3/4	201,000	3/4	217,434	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	184,904	1	201,342	1	217,776	1		1	1	1	1	1	1	1	1	1	1	1	1
1/4	185,247	1/4	201,684	1/4	218,119	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	185,591	1/2	202,027	1/2	218,461	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	185,934	3/4	202,369	3/4	218,803	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	186,277	2	202,712	2	219,146	2		2	2	2	2	2	2	2	2	2	2	2	2
1/4	186,620	1/4	203,054	1/4	219,488	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	186,962	1/2	203,396	1/2	219,831	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	187,304	3/4	203,739	3/4	220,173	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	187,647	3	204,081	3	220,515	3		3	3	3	3	3	3	3	3	3	3	3	3
1/4	187,989	1/4	204,423	1/4	220,858	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	188,332	1/2	204,766	1/2	221,200	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	188,674	3/4	205,108	3/4	221,543	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	189,016	4	205,451	4	221,885	4		4	4	4	4	4	4	4	4	4	4	4	4
1/4	189,359	1/4	205,793	1/4	222,227	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	189,701	1/2	206,135	1/2	222,570	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	190,043	3/4	206,478	3/4	222,912	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	190,386	5	206,820	5	223,254	5		5	5	5	5	5	5	5	5	5	5	5	5
1/4	190,728	1/4	207,163	1/4	223,597	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	191,071	1/2	207,505	1/2	223,939	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	191,413	3/4	207,847	3/4	224,281	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	191,755	6	208,190	6	224,623	6		6	6	6	6	6	6	6	6	6	6	6	6
1/4	192,098	1/4	208,532	1/4	224,954	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	192,440	1/2	208,874	1/2	225,285	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	192,783	3/4	209,217	3/4	225,615	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	193,125	7	209,559	7	225,946	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	193,467	1/4	209,902	1/4	226,269	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	193,810	1/2	210,244	1/2	226,593	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	194,152	3/4	210,586	3/4	226,916	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	194,494	8	210,929	8	227,240	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	194,837	1/4	211,271	1/4	227,498	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	195,179	1/2	211,613	1/2	227,756	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	195,522	3/4	211,956	3/4	228,014	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	195,864	9	212,298	9	228,272	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	196,206	1/4	212,641	1/4	228,465	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	196,549	1/2	212,983	1/2	228,658	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	196,891	3/4	213,325	3/4	228,851	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	197,233	10	213,668	10	229,044	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	197,576	1/4	214,010	1/4	229,171	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	197,918	1/2	214,353	1/2	229,299	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	198,261	3/4	214,695	3/4	229,426	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	198,603	11	215,037	11	229,554	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	198,945	1/4	215,380	1/4	229,616	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	199,288	1/2	215,722	1/2	229,678	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	199,630	3/4	216,064	3/4	229,741	3/4		3/4	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: 07/23/2019 SW - JS
CALCULATED: 07/24/2019 CL
PRINTED: 07/27/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019





BARGE "CBC 1703"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-07"

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	750	0	10,970	0	21,468	0	31,934	0	42,431	0	52,930	0	63,429	0	73,928	0	84,427	0	94,925
1/4	887	1/4	11,188	1/4	21,687	1/4	32,153	1/4	42,650	1/4	53,149	1/4	63,648	1/4	74,147	1/4	84,646	1/4	95,144
1/2	1,023	1/2	11,407	1/2	21,906	1/2	32,371	1/2	42,868	1/2	53,367	1/2	63,867	1/2	74,366	1/2	84,865	1/2	95,363
3/4	1,215	3/4	11,626	3/4	22,124	3/4	32,589	3/4	43,087	3/4	53,586	3/4	64,085	3/4	74,584	3/4	85,084	3/4	95,581
1	1,406	1	11,844	1	22,343	1	32,808	1	43,306	1	53,805	1	64,304	1	74,803	1	85,302	1	95,800
1/4	1,597	1/4	12,063	1/4	22,562	1/4	33,026	1/4	43,525	1/4	54,024	1/4	64,523	1/4	75,022	1/4	85,521	1/4	96,019
1/2	1,789	1/2	12,282	1/2	22,781	1/2	33,244	1/2	43,743	1/2	54,242	1/2	64,742	1/2	75,241	1/2	85,740	1/2	96,237
3/4	2,006	3/4	12,501	3/4	22,999	3/4	33,463	3/4	43,962	3/4	54,461	3/4	64,960	3/4	75,459	3/4	85,959	3/4	96,456
2	2,224	2	12,719	2	23,218	2	33,682	2	44,181	2	54,680	2	65,179	2	75,678	2	86,177	2	96,674
1/4	2,442	1/4	12,938	1/4	23,437	1/4	33,900	1/4	44,399	1/4	54,899	1/4	65,398	1/4	75,897	1/4	86,396	1/4	96,893
1/2	2,659	1/2	13,157	1/2	23,655	1/2	34,119	1/2	44,618	1/2	55,117	1/2	65,616	1/2	76,116	1/2	86,615	1/2	97,112
3/4	2,878	3/4	13,375	3/4	23,874	3/4	34,338	3/4	44,837	3/4	55,336	3/4	65,835	3/4	76,334	3/4	86,833	3/4	97,330
3	3,096	3	13,594	3	24,093	3	34,557	3	45,056	3	55,555	3	66,054	3	76,553	3	87,052	3	97,549
1/4	3,315	1/4	13,813	1/4	24,312	1/4	34,775	1/4	45,274	1/4	55,774	1/4	66,273	1/4	76,772	1/4	87,271	1/4	97,768
1/2	3,533	1/2	14,032	1/2	24,530	1/2	34,994	1/2	45,493	1/2	55,992	1/2	66,491	1/2	76,991	1/2	87,490	1/2	97,986
3/4	3,752	3/4	14,250	3/4	24,748	3/4	35,213	3/4	45,712	3/4	56,211	3/4	66,710	3/4	77,209	3/4	87,708	3/4	98,205
4	3,970	4	14,469	4	24,966	4	35,431	4	45,931	4	56,430	4	66,929	4	77,428	4	87,927	4	98,424
1/4	4,189	1/4	14,688	1/4	25,184	1/4	35,650	1/4	46,149	1/4	56,648	1/4	67,148	1/4	77,647	1/4	88,146	1/4	98,642
1/2	4,408	1/2	14,907	1/2	25,401	1/2	35,869	1/2	46,368	1/2	56,867	1/2	67,366	1/2	77,865	1/2	88,365	1/2	98,861
3/4	4,627	3/4	15,125	3/4	25,619	3/4	36,088	3/4	46,587	3/4	57,086	3/4	67,585	3/4	78,084	3/4	88,583	3/4	99,079
5	4,845	5	15,344	5	25,837	5	36,306	5	46,806	5	57,305	5	67,804	5	78,303	5	88,802	5	99,298
1/4	5,064	1/4	15,563	1/4	26,054	1/4	36,525	1/4	47,024	1/4	57,523	1/4	68,023	1/4	78,522	1/4	89,021	1/4	99,517
1/2	5,283	1/2	15,781	1/2	26,272	1/2	36,744	1/2	47,243	1/2	57,742	1/2	68,241	1/2	78,740	1/2	89,239	1/2	99,735
3/4	5,501	3/4	16,000	3/4	26,490	3/4	36,963	3/4	47,462	3/4	57,961	3/4	68,460	3/4	78,959	3/4	89,458	3/4	99,954
6	5,720	6	16,219	6	26,708	6	37,181	6	47,680	6	58,180	6	68,679	6	79,178	6	89,677	6	100,173
1/4	5,939	1/4	16,438	1/4	26,925	1/4	37,400	1/4	47,899	1/4	58,398	1/4	68,897	1/4	79,397	1/4	89,896	1/4	100,391
1/2	6,158	1/2	16,656	1/2	27,143	1/2	37,619	1/2	48,118	1/2	58,617	1/2	69,116	1/2	79,615	1/2	90,114	1/2	100,610
3/4	6,376	3/4	16,875	3/4	27,361	3/4	37,838	3/4	48,337	3/4	58,836	3/4	69,335	3/4	79,834	3/4	90,333	3/4	100,828
7	6,595	7	17,094	7	27,579	7	38,056	7	48,555	7	59,054	7	69,554	7	80,053	7	90,552	7	101,047
1/4	6,814	1/4	17,312	1/4	27,796	1/4	38,275	1/4	48,774	1/4	59,273	1/4	69,772	1/4	80,271	1/4	90,771	1/4	101,266
1/2	7,033	1/2	17,531	1/2	28,014	1/2	38,494	1/2	48,993	1/2	59,492	1/2	69,991	1/2	80,490	1/2	90,989	1/2	101,484
3/4	7,251	3/4	17,750	3/4	28,232	3/4	38,712	3/4	49,212	3/4	59,711	3/4	70,210	3/4	80,709	3/4	91,208	3/4	101,703
8	7,470	8	17,969	8	28,449	8	38,931	8	49,430	8	59,929	8	70,429	8	80,928	8	91,427	8	101,922
1/4	7,689	1/4	18,187	1/4	28,667	1/4	39,150	1/4	49,649	1/4	60,148	1/4	70,647	1/4	81,146	1/4	91,646	1/4	102,140
1/2	7,907	1/2	18,406	1/2	28,885	1/2	39,369	1/2	49,868	1/2	60,367	1/2	70,866	1/2	81,365	1/2	91,864	1/2	102,359
3/4	8,126	3/4	18,625	3/4	29,103	3/4	39,587	3/4	50,086	3/4	60,586	3/4	71,085	3/4	81,584	3/4	92,083	3/4	102,577
9	8,345	9	18,844	9	29,320	9	39,806	9	50,305	9	60,804	9	71,303	9	81,803	9	92,302	9	102,796
1/4	8,564	1/4	19,062	1/4	29,538	1/4	40,025	1/4	50,524	1/4	61,023	1/4	71,522	1/4	82,021	1/4	92,520	1/4	103,015
1/2	8,782	1/2	19,281	1/2	29,756	1/2	40,244	1/2	50,743	1/2	61,242	1/2	71,741	1/2	82,240	1/2	92,739	1/2	103,233
3/4	9,001	3/4	19,500	3/4	29,974	3/4	40,462	3/4	50,961	3/4	61,461	3/4	71,960	3/4	82,459	3/4	92,958	3/4	103,452
10	9,220	10	19,718	10	30,191	10	40,681	10	51,180	10	61,679	10	72,178	10	82,678	10	93,176	10	103,671
1/4	9,438	1/4	19,937	1/4	30,409	1/4	40,900	1/4	51,399	1/4	61,898	1/4	72,397	1/4	82,896	1/4	93,395	1/4	103,889
1/2	9,657	1/2	20,156	1/2	30,627	1/2	41,118	1/2	51,618	1/2	62,117	1/2	72,616	1/2	83,115	1/2	93,614	1/2	104,108
3/4	9,876	3/4	20,375	3/4	30,844	3/4	41,337	3/4	51,836	3/4	62,335	3/4	72,835	3/4	83,334	3/4	93,832	3/4	104,326
11	10,095	11	20,593	11	31,062	11	41,556	11	52,055	11	62,554	11	73,053	11	83,552	11	94,051	11	104,545
1/4	10,313	1/4	20,812	1/4	31,280	1/4	41,775	1/4	52,274	1/4	62,773	1/4	73,272	1/4	83,771	1/4	94,270	1/4	104,764
1/2	10,532	1/2	21,031	1/2	31,498	1/2	41,993	1/2	52,493	1/2	62,992	1/2	73,491	1/2	83,990	1/2	94,488	1/2	104,982
3/4	10,751	3/4	21,249	3/4	31,716	3/4	42,212	3/4	52,711	3/4	63,210	3/4	73,710	3/4	84,209	3/4	94,707	3/4	105,201

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 14'-09" OFF CENTERLINE AND 29'-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 1703"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GUAGE HEIGHT 14'-07"

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	105,420	0	115,898	0	126,363	0		0		0		0		0		0		0	
1/4	105,638	1/4	116,116	1/4	126,581	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	105,857	1/2	116,334	1/2	126,799	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	106,075	3/4	116,552	3/4	127,017	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	106,294	1	116,770	1	127,235	1		1		1		1		1		1		1	
1/4	106,513	1/4	116,988	1/4	127,453	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	106,731	1/2	117,206	1/2	127,671	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	106,950	3/4	117,424	3/4	127,889	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	107,169	2	117,642	2	128,107	2		2		2		2		2		2		2	
1/4	107,387	1/4	117,860	1/4	128,325	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	107,606	1/2	118,078	1/2	128,543	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	107,825	3/4	118,296	3/4	128,761	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	108,043	3	118,514	3	128,979	3		3		3		3		3		3		3	
1/4	108,262	1/4	118,732	1/4	129,197	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	108,480	1/2	118,950	1/2	129,415	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	108,699	3/4	119,168	3/4	129,626	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	108,918	4	119,386	4	129,838	4		4		4		4		4		4		4	
1/4	109,136	1/4	119,604	1/4	130,049	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	109,355	1/2	119,822	1/2	130,261	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	109,574	3/4	120,040	3/4	130,441	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	109,792	5	120,258	5	130,620	5		5		5		5		5		5		5	
1/4	110,011	1/4	120,476	1/4	130,800	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	110,229	1/2	120,694	1/2	130,980	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	110,447	3/4	120,912	3/4	131,123	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	110,665	6	121,130	6	131,267	6		6		6		6		6		6		6	
1/4	110,883	1/4	121,348	1/4	131,410	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,102	1/2	121,566	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	111,320	3/4	121,784	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	111,538	7	122,002	7		7		7		7		7		7		7		7	
1/4	111,756	1/4	122,221	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,974	1/2	122,439	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,192	3/4	122,657	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	112,410	8	122,875	8		8		8		8		8		8		8		8	
1/4	112,628	1/4	123,093	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,846	1/2	123,311	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,064	3/4	123,529	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	113,282	9	123,747	9		9		9		9		9		9		9		9	
1/4	113,500	1/4	123,965	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,718	1/2	124,183	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,936	3/4	124,401	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	114,154	10	124,619	10		10		10		10		10		10		10		10	
1/4	114,372	1/4	124,837	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,590	1/2	125,055	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,808	3/4	125,273	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	115,026	11	125,491	11		11		11		11		11		11		11		11	
1/4	115,244	1/4	125,709	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	115,462	1/2	125,927	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,680	3/4	126,145	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: 07/23/2019 SW - JS
CALCULATED: 07/24/2019 CL
PRINTED: 07/27/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "CBC 1703"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-07"

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	749	0	10,951	0	21,432	0	31,628	0	42,062	0	52,543	0	63,025	0	73,506	0	83,988	0	94,468
1/4	885	1/4	11,169	1/4	21,650	1/4	31,838	1/4	42,280	1/4	52,762	1/4	63,243	1/4	73,725	1/4	84,206	1/4	94,687
1/2	1,022	1/2	11,388	1/2	21,869	1/2	32,049	1/2	42,499	1/2	52,980	1/2	63,462	1/2	73,943	1/2	84,425	1/2	94,905
3/4	1,213	3/4	11,606	3/4	22,087	3/4	32,259	3/4	42,717	3/4	53,199	3/4	63,680	3/4	74,161	3/4	84,643	3/4	95,123
1	1,404	1	11,825	1	22,306	1	32,470	1	42,935	1	53,417	1	63,898	1	74,380	1	84,861	1	95,341
1/4	1,595	1/4	12,043	1/4	22,524	1/4	32,680	1/4	43,154	1/4	53,635	1/4	64,117	1/4	74,598	1/4	85,080	1/4	95,560
1/2	1,786	1/2	12,261	1/2	22,742	1/2	32,891	1/2	43,372	1/2	53,854	1/2	64,335	1/2	74,817	1/2	85,298	1/2	95,778
3/4	2,003	3/4	12,480	3/4	22,961	3/4	33,109	3/4	43,590	3/4	54,072	3/4	64,553	3/4	75,035	3/4	85,516	3/4	95,996
2	2,220	2	12,698	2	23,179	2	33,327	2	43,809	2	54,290	2	64,772	2	75,253	2	85,735	2	96,214
1/4	2,438	1/4	12,916	1/4	23,397	1/4	33,546	1/4	44,027	1/4	54,509	1/4	64,990	1/4	75,472	1/4	85,953	1/4	96,433
1/2	2,655	1/2	13,135	1/2	23,616	1/2	33,764	1/2	44,246	1/2	54,727	1/2	65,209	1/2	75,690	1/2	86,171	1/2	96,651
3/4	2,873	3/4	13,353	3/4	23,834	3/4	33,982	3/4	44,464	3/4	54,945	3/4	65,427	3/4	75,908	3/4	86,390	3/4	96,869
3	3,091	3	13,571	3	24,052	3	34,201	3	44,682	3	55,164	3	65,645	3	76,127	3	86,608	3	97,087
1/4	3,309	1/4	13,790	1/4	24,271	1/4	34,419	1/4	44,901	1/4	55,382	1/4	65,864	1/4	76,345	1/4	86,827	1/4	97,306
1/2	3,527	1/2	14,008	1/2	24,489	1/2	34,638	1/2	45,119	1/2	55,601	1/2	66,082	1/2	76,563	1/2	87,045	1/2	97,524
3/4	3,746	3/4	14,226	3/4	24,699	3/4	34,856	3/4	45,337	3/4	55,819	3/4	66,300	3/4	76,782	3/4	87,263	3/4	97,742
4	3,964	4	14,445	4	24,909	4	35,074	4	45,556	4	56,037	4	66,519	4	77,000	4	87,482	4	97,960
1/4	4,182	1/4	14,663	1/4	25,119	1/4	35,293	1/4	45,774	1/4	56,256	1/4	66,737	1/4	77,219	1/4	87,700	1/4	98,179
1/2	4,400	1/2	14,881	1/2	25,329	1/2	35,511	1/2	45,992	1/2	56,474	1/2	66,955	1/2	77,437	1/2	87,918	1/2	98,397
3/4	4,619	3/4	15,100	3/4	25,539	3/4	35,729	3/4	46,211	3/4	56,692	3/4	67,174	3/4	77,655	3/4	88,137	3/4	98,615
5	4,837	5	15,318	5	25,749	5	35,948	5	46,429	5	56,911	5	67,392	5	77,874	5	88,355	5	98,833
1/4	5,056	1/4	15,537	1/4	25,959	1/4	36,166	1/4	46,648	1/4	57,129	1/4	67,611	1/4	78,092	1/4	88,573	1/4	99,052
1/2	5,274	1/2	15,755	1/2	26,168	1/2	36,384	1/2	46,866	1/2	57,347	1/2	67,829	1/2	78,310	1/2	88,792	1/2	99,270
3/4	5,492	3/4	15,973	3/4	26,378	3/4	36,603	3/4	47,084	3/4	57,566	3/4	68,047	3/4	78,529	3/4	89,010	3/4	99,488
6	5,711	6	16,192	6	26,588	6	36,821	6	47,303	6	57,784	6	68,266	6	78,747	6	89,229	6	99,706
1/4	5,929	1/4	16,410	1/4	26,798	1/4	37,040	1/4	47,521	1/4	58,003	1/4	68,484	1/4	78,965	1/4	89,447	1/4	99,925
1/2	6,147	1/2	16,628	1/2	27,008	1/2	37,258	1/2	47,739	1/2	58,221	1/2	68,702	1/2	79,184	1/2	89,665	1/2	100,143
3/4	6,366	3/4	16,847	3/4	27,218	3/4	37,476	3/4	47,958	3/4	58,439	3/4	68,921	3/4	79,402	3/4	89,884	3/4	100,361
7	6,584	7	17,065	7	27,428	7	37,695	7	48,176	7	58,658	7	69,139	7	79,621	7	90,102	7	100,580
1/4	6,802	1/4	17,283	1/4	27,638	1/4	37,913	1/4	48,394	1/4	58,876	1/4	69,357	1/4	79,839	1/4	90,320	1/4	100,798
1/2	7,021	1/2	17,502	1/2	27,848	1/2	38,131	1/2	48,613	1/2	59,094	1/2	69,576	1/2	80,057	1/2	90,539	1/2	101,016
3/4	7,239	3/4	17,720	3/4	28,058	3/4	38,350	3/4	48,831	3/4	59,313	3/4	69,794	3/4	80,276	3/4	90,757	3/4	101,234
8	7,457	8	17,938	8	28,268	8	38,568	8	49,050	8	59,531	8	70,013	8	80,494	8	90,975	8	101,453
1/4	7,676	1/4	18,157	1/4	28,478	1/4	38,786	1/4	49,268	1/4	59,749	1/4	70,231	1/4	80,712	1/4	91,194	1/4	101,671
1/2	7,894	1/2	18,375	1/2	28,688	1/2	39,005	1/2	49,486	1/2	59,968	1/2	70,449	1/2	80,931	1/2	91,412	1/2	101,889
3/4	8,112	3/4	18,594	3/4	28,897	3/4	39,223	3/4	49,705	3/4	60,186	3/4	70,668	3/4	81,149	3/4	91,631	3/4	102,107
9	8,331	9	18,812	9	29,107	9	39,442	9	49,923	9	60,405	9	70,886	9	81,367	9	91,849	9	102,326
1/4	8,549	1/4	19,030	1/4	29,317	1/4	39,660	1/4	50,141	1/4	60,623	1/4	71,104	1/4	81,586	1/4	92,067	1/4	102,544
1/2	8,768	1/2	19,249	1/2	29,527	1/2	39,878	1/2	50,360	1/2	60,841	1/2	71,323	1/2	81,804	1/2	92,286	1/2	102,762
3/4	8,986	3/4	19,467	3/4	29,737	3/4	40,097	3/4	50,578	3/4	61,060	3/4	71,541	3/4	82,023	3/4	92,504	3/4	102,980
10	9,204	10	19,685	10	29,947	10	40,315	10	50,797	10	61,278	10	71,759	10	82,241	10	92,722	10	103,199
1/4	9,423	1/4	19,904	1/4	30,157	1/4	40,533	1/4	51,015	1/4	61,496	1/4	71,978	1/4	82,459	1/4	92,940	1/4	103,417
1/2	9,641	1/2	20,122	1/2	30,367	1/2	40,752	1/2	51,233	1/2	61,715	1/2	72,196	1/2	82,678	1/2	93,159	1/2	103,635
3/4	9,859	3/4	20,340	3/4	30,577	3/4	40,970	3/4	51,452	3/4	61,933	3/4	72,415	3/4	82,896	3/4	93,377	3/4	103,853
11	10,078	11	20,559	11	30,787	11	41,188	11	51,670	11	62,151	11	72,633	11	83,114	11	93,595	11	104,072
1/4	10,296	1/4	20,777	1/4	30,997	1/4	41,407	1/4	51,888	1/4	62,370	1/4	72,851	1/4	83,333	1/4	93,813	1/4	104,290
1/2	10,514	1/2	20,995	1/2	31,207	1/2	41,625	1/2	52,107	1/2	62,588	1/2	73,070	1/2	83,551	1/2	94,032	1/2	104,508
3/4	10,733	3/4	21,214	3/4	31,417	3/4	41,844	3/4	52,325	3/4	62,807	3/4	73,288	3/4	83,769	3/4	94,250	3/4	104,726

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 14'-09" OFF CENTERLINE AND 29'-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 1703"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GUAGE HEIGHT 14'-07"

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	104,945	0	115,405	0	125,853	0		0		0		0		0		0		0	
1/4	105,163	1/4	115,623	1/4	126,070	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	105,381	1/2	115,841	1/2	126,288	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	105,600	3/4	116,058	3/4	126,506	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	105,818	1	116,276	1	126,723	1		1		1		1		1		1		1	
1/4	106,036	1/4	116,494	1/4	126,941	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	106,254	1/2	116,711	1/2	127,159	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	106,473	3/4	116,929	3/4	127,376	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	106,691	2	117,147	2	127,594	2		2		2		2		2		2		2	
1/4	106,909	1/4	117,364	1/4	127,812	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	107,127	1/2	117,582	1/2	128,029	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	107,346	3/4	117,800	3/4	128,247	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	107,564	3	118,017	3	128,464	3		3		3		3		3		3		3	
1/4	107,782	1/4	118,235	1/4	128,682	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	108,000	1/2	118,453	1/2	128,900	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	108,219	3/4	118,670	3/4	129,111	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	108,437	4	118,888	4	129,322	4		4		4		4		4		4		4	
1/4	108,655	1/4	119,106	1/4	129,533	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	108,873	1/2	119,323	1/2	129,744	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	109,092	3/4	119,541	3/4	129,924	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	109,310	5	119,758	5	130,103	5		5		5		5		5		5		5	
1/4	109,528	1/4	119,976	1/4	130,283	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	109,746	1/2	120,194	1/2	130,462	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	109,964	3/4	120,411	3/4	130,605	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	110,182	6	120,629	6	130,748	6		6		6		6		6		6		6	
1/4	110,399	1/4	120,847	1/4	130,892	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	110,617	1/2	121,064	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	110,835	3/4	121,282	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	111,052	7	121,500	7		7		7		7		7		7		7		7	
1/4	111,270	1/4	121,717	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,488	1/2	121,935	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	111,705	3/4	122,153	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	111,923	8	122,370	8		8		8		8		8		8		8		8	
1/4	112,141	1/4	122,588	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,358	1/2	122,806	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,576	3/4	123,023	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	112,794	9	123,241	9		9		9		9		9		9		9		9	
1/4	113,011	1/4	123,459	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,229	1/2	123,676	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,447	3/4	123,894	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	113,664	10	124,112	10		10		10		10		10		10		10		10	
1/4	113,882	1/4	124,329	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,100	1/2	124,547	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,317	3/4	124,765	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	114,535	11	124,982	11		11		11		11		11		11		11		11	
1/4	114,752	1/4	125,200	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,970	1/2	125,417	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,188	3/4	125,635	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: 07/23/2019 SW - JS
CALCULATED: 07/24/2019 CL
PRINTED: 07/27/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "CBC 1703"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 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	15,559	0	34,195	0	52,811	0	71,438	0	90,075	0	108,711	0	127,347	0	145,983	0	164,618
1/4	88	1/4	15,947	1/4	34,583	1/4	53,199	1/4	71,826	1/4	90,463	1/4	109,099	1/4	127,735	1/4	146,371	1/4	165,006
1/2	136	1/2	16,335	1/2	34,971	1/2	53,586	1/2	72,215	1/2	90,851	1/2	109,487	1/2	128,124	1/2	146,759	1/2	165,394
3/4	185	3/4	16,724	3/4	35,359	3/4	53,974	3/4	72,603	3/4	91,239	3/4	109,876	3/4	128,512	3/4	147,147	3/4	165,782
1	233	1	17,112	1	35,748	1	54,361	1	72,991	1	91,628	1	110,264	1	128,900	1	147,535	1	166,170
1/4	379	1/4	17,500	1/4	36,136	1/4	54,749	1/4	73,379	1/4	92,016	1/4	110,652	1/4	129,288	1/4	147,924	1/4	166,558
1/2	524	1/2	17,888	1/2	36,524	1/2	55,136	1/2	73,768	1/2	92,404	1/2	111,040	1/2	129,677	1/2	148,312	1/2	166,946
3/4	670	3/4	18,277	3/4	36,912	3/4	55,524	3/4	74,156	3/4	92,792	3/4	111,429	3/4	130,065	3/4	148,700	3/4	167,334
2	816	2	18,665	2	37,301	2	55,911	2	74,544	2	93,181	2	111,817	2	130,453	2	149,088	2	167,722
1/4	1,058	1/4	19,053	1/4	37,689	1/4	56,299	1/4	74,932	1/4	93,569	1/4	112,205	1/4	130,841	1/4	149,477	1/4	168,110
1/2	1,301	1/2	19,441	1/2	38,077	1/2	56,687	1/2	75,321	1/2	93,957	1/2	112,593	1/2	131,230	1/2	149,865	1/2	168,498
3/4	1,544	3/4	19,830	3/4	38,465	3/4	57,075	3/4	75,709	3/4	94,345	3/4	112,982	3/4	131,618	3/4	150,253	3/4	168,886
3	1,786	3	20,218	3	38,854	3	57,463	3	76,097	3	94,734	3	113,370	3	132,006	3	150,641	3	169,275
1/4	2,126	1/4	20,606	1/4	39,242	1/4	57,850	1/4	76,486	1/4	95,122	1/4	113,758	1/4	132,394	1/4	151,030	1/4	169,663
1/2	2,466	1/2	20,994	1/2	39,630	1/2	58,238	1/2	76,874	1/2	95,510	1/2	114,146	1/2	132,782	1/2	151,418	1/2	170,051
3/4	2,805	3/4	21,382	3/4	40,018	3/4	58,626	3/4	77,262	3/4	95,898	3/4	114,535	3/4	133,171	3/4	151,806	3/4	170,439
4	3,145	4	21,771	4	40,407	4	59,014	4	77,650	4	96,287	4	114,923	4	133,559	4	152,194	4	170,827
1/4	3,531	1/4	22,159	1/4	40,795	1/4	59,402	1/4	78,039	1/4	96,675	1/4	115,311	1/4	133,947	1/4	152,583	1/4	171,215
1/2	3,918	1/2	22,547	1/2	41,183	1/2	59,790	1/2	78,427	1/2	97,063	1/2	115,699	1/2	134,335	1/2	152,971	1/2	171,603
3/4	4,304	3/4	22,935	3/4	41,571	3/4	60,179	3/4	78,815	3/4	97,451	3/4	116,088	3/4	134,724	3/4	153,359	3/4	171,991
5	4,690	5	23,324	5	41,960	5	60,567	5	79,203	5	97,840	5	116,476	5	135,112	5	153,747	5	172,379
1/4	5,078	1/4	23,712	1/4	42,348	1/4	60,955	1/4	79,592	1/4	98,228	1/4	116,864	1/4	135,500	1/4	154,135	1/4	172,767
1/2	5,466	1/2	24,100	1/2	42,736	1/2	61,344	1/2	79,980	1/2	98,616	1/2	117,252	1/2	135,888	1/2	154,524	1/2	173,155
3/4	5,853	3/4	24,488	3/4	43,124	3/4	61,732	3/4	80,368	3/4	99,004	3/4	117,641	3/4	136,277	3/4	154,912	3/4	173,543
6	6,241	6	24,877	6	43,513	6	62,120	6	80,756	6	99,393	6	118,029	6	136,665	6	155,300	6	173,931
1/4	6,629	1/4	25,265	1/4	43,900	1/4	62,508	1/4	81,145	1/4	99,781	1/4	118,417	1/4	137,053	1/4	155,688	1/4	174,319
1/2	7,017	1/2	25,653	1/2	44,288	1/2	62,897	1/2	81,533	1/2	100,169	1/2	118,806	1/2	137,441	1/2	156,077	1/2	174,707
3/4	7,406	3/4	26,041	3/4	44,675	3/4	63,285	3/4	81,921	3/4	100,557	3/4	119,194	3/4	137,830	3/4	156,465	3/4	175,095
7	7,794	7	26,430	7	45,062	7	63,673	7	82,309	7	100,946	7	119,582	7	138,218	7	156,853	7	175,483
1/4	8,182	1/4	26,818	1/4	45,450	1/4	64,061	1/4	82,698	1/4	101,334	1/4	119,970	1/4	138,606	1/4	157,241	1/4	175,871
1/2	8,570	1/2	27,206	1/2	45,837	1/2	64,450	1/2	83,086	1/2	101,722	1/2	120,359	1/2	138,994	1/2	157,630	1/2	176,260
3/4	8,959	3/4	27,594	3/4	46,225	3/4	64,838	3/4	83,474	3/4	102,110	3/4	120,747	3/4	139,382	3/4	158,018	3/4	176,648
8	9,347	8	27,983	8	46,612	8	65,226	8	83,862	8	102,499	8	121,135	8	139,771	8	158,406	8	177,036
1/4	9,735	1/4	28,371	1/4	47,000	1/4	65,614	1/4	84,251	1/4	102,887	1/4	121,523	1/4	140,159	1/4	158,794	1/4	177,424
1/2	10,123	1/2	28,759	1/2	47,387	1/2	66,003	1/2	84,639	1/2	103,275	1/2	121,912	1/2	140,547	1/2	159,183	1/2	177,812
3/4	10,512	3/4	29,147	3/4	47,775	3/4	66,391	3/4	85,027	3/4	103,663	3/4	122,300	3/4	140,935	3/4	159,571	3/4	178,200
9	10,900	9	29,536	9	48,162	9	66,779	9	85,415	9	104,052	9	122,688	9	141,324	9	159,959	9	178,588
1/4	11,288	1/4	29,924	1/4	48,549	1/4	67,167	1/4	85,804	1/4	104,440	1/4	123,076	1/4	141,712	1/4	160,347	1/4	178,976
1/2	11,676	1/2	30,312	1/2	48,937	1/2	67,556	1/2	86,192	1/2	104,828	1/2	123,465	1/2	142,100	1/2	160,736	1/2	179,364
3/4	12,065	3/4	30,700	3/4	49,324	3/4	67,944	3/4	86,580	3/4	105,217	3/4	123,853	3/4	142,488	3/4	161,124	3/4	179,752
10	12,453	10	31,089	10	49,712	10	68,332	10	86,968	10	105,605	10	124,241	10	142,877	10	161,512	10	180,140
1/4	12,841	1/4	31,477	1/4	50,099	1/4	68,720	1/4	87,357	1/4	105,993	1/4	124,629	1/4	143,265	1/4	161,900	1/4	180,528
1/2	13,229	1/2	31,865	1/2	50,487	1/2	69,109	1/2	87,745	1/2	106,381	1/2	125,018	1/2	143,653	1/2	162,288	1/2	180,916
3/4	13,618	3/4	32,253	3/4	50,874	3/4	69,497	3/4	88,133	3/4	106,770	3/4	125,406	3/4	144,041	3/4	162,677	3/4	181,304
11	14,006	11	32,642	11	51,262	11	69,885	11	88,521	11	107,158	11	125,794	11	144,430	11	163,065	11	181,692
1/4	14,394	1/4	33,030	1/4	51,649	1/4	70,273	1/4	88,910	1/4	107,546	1/4	126,182	1/4	144,818	1/4	163,453	1/4	182,080
1/2	14,782	1/2	33,418	1/2	52,037	1/2	70,662	1/2	89,298	1/2	107,934	1/2	126,571	1/2	145,206	1/2	163,841	1/2	182,468
3/4	15,171	3/4	33,806	3/4	52,424	3/4	71,050	3/4	89,686	3/4	108,323	3/4	126,959	3/4	145,594	3/4	164,230	3/4	182,856

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 01'-03" OFF CENTERLINE AND 29'-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 1703"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 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	183,245	0	201,863	0	220,464	0	235,148	0		0		0		0		0		0	
1/4	183,633	1/4	202,250	1/4	220,851	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	184,021	1/2	202,638	1/2	221,239	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	184,409	3/4	203,025	3/4	221,626	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	184,797	1	203,413	1	222,014	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	185,185	1/4	203,800	1/4	222,401	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	185,573	1/2	204,188	1/2	222,789	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	185,961	3/4	204,575	3/4	223,176	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	186,349	2	204,963	2	223,564	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	186,737	1/4	205,350	1/4	223,952	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	187,125	1/2	205,738	1/2	224,339	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	187,513	3/4	206,125	3/4	224,727	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	187,901	3	206,513	3	225,114	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	188,289	1/4	206,900	1/4	225,502	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	188,677	1/2	207,288	1/2	225,889	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	189,065	3/4	207,676	3/4	226,277	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	189,453	4	208,063	4	226,664	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	189,841	1/4	208,451	1/4	227,052	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	190,230	1/2	208,838	1/2	227,439	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	190,618	3/4	209,226	3/4	227,827	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	191,006	5	209,613	5	228,214	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	191,394	1/4	210,001	1/4	228,602	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	191,782	1/2	210,388	1/2	228,989	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	192,170	3/4	210,776	3/4	229,376	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	192,558	6	211,163	6	229,764	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	192,946	1/4	211,551	1/4	230,143	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	193,334	1/2	211,938	1/2	230,522	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	193,722	3/4	212,326	3/4	230,901	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	194,110	7	212,713	7	231,280	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	194,498	1/4	213,101	1/4	231,602	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	194,886	1/2	213,488	1/2	231,925	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	195,274	3/4	213,876	3/4	232,248	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	195,662	8	214,263	8	232,571	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	196,050	1/4	214,651	1/4	232,829	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	196,437	1/2	215,038	1/2	233,087	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	196,825	3/4	215,426	3/4	233,345	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	197,212	9	215,814	9	233,603	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	197,600	1/4	216,201	1/4	233,797	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	197,987	1/2	216,589	1/2	233,990	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	198,375	3/4	216,976	3/4	234,183	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	198,763	10	217,364	10	234,377	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	199,150	1/4	217,751	1/4	234,506	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	199,538	1/2	218,139	1/2	234,634	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	199,925	3/4	218,526	3/4	234,763	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	200,313	11	218,914	11	234,892	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	200,700	1/4	219,301	1/4	234,956	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	201,088	1/2	219,689	1/2	235,020	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	201,475	3/4	220,076	3/4	235,084	3/4		3/4	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: 07/23/2019 SW - JS
CALCULATED: 07/24/2019 CL
PRINTED: 07/27/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "CBC 1703"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS - 00-5/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 5/8"

July 23, 2019

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1703"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 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	0	0	0	217,434	0	201,000	0	184,561	0	166,894	0	148,112	0	129,329	0	110,573	0
1/4	1/4	1/4	1/4	1/4	1/4	217,092	1/4	200,657	1/4	184,218	1/4	166,503	1/4	147,721	1/4	128,938	1/4	110,183	1/4
1/2	1/2	1/2	1/2	1/2	1/2	216,749	1/2	200,315	1/2	183,874	1/2	166,112	1/2	147,329	1/2	128,547	1/2	109,792	1/2
3/4	3/4	3/4	3/4	229,803	3/4	216,407	3/4	199,973	3/4	183,531	3/4	165,721	3/4	146,938	3/4	128,155	3/4	109,401	3/4
1	1	1	1	229,741	1	216,065	1	199,630	1	183,188	1	165,329	1	146,547	1	127,764	1	109,010	1
1/4	1/4	1/4	1/4	229,679	1/4	215,722	1/4	199,288	1/4	182,844	1/4	164,938	1/4	146,155	1/4	127,373	1/4	108,619	1/4
1/2	1/2	1/2	1/2	229,616	1/2	215,380	1/2	198,945	1/2	182,501	1/2	164,547	1/2	145,764	1/2	126,981	1/2	108,228	1/2
3/4	3/4	3/4	3/4	229,554	3/4	215,037	3/4	198,603	3/4	182,158	3/4	164,155	3/4	145,373	3/4	126,590	3/4	107,837	3/4
2	2	2	2	229,427	2	214,695	2	198,261	2	181,815	2	163,764	2	144,981	2	126,199	2	107,445	2
1/4	1/4	1/4	1/4	229,299	1/4	214,353	1/4	197,918	1/4	181,471	1/4	163,373	1/4	144,590	1/4	125,807	1/4	107,054	1/4
1/2	1/2	1/2	1/2	229,171	1/2	214,010	1/2	197,576	1/2	181,128	1/2	162,982	1/2	144,199	1/2	125,416	1/2	106,663	1/2
3/4	3/4	3/4	3/4	229,044	3/4	213,668	3/4	197,234	3/4	180,785	3/4	162,590	3/4	143,808	3/4	125,025	3/4	106,272	3/4
3	3	3	3	228,851	3	213,325	3	196,891	3	180,441	3	162,199	3	143,416	3	124,634	3	105,881	3
1/4	1/4	1/4	1/4	228,658	1/4	212,983	1/4	196,549	1/4	180,098	1/4	161,808	1/4	143,025	1/4	124,244	1/4	105,490	1/4
1/2	1/2	1/2	1/2	228,465	1/2	212,641	1/2	196,206	1/2	179,755	1/2	161,416	1/2	142,634	1/2	123,853	1/2	105,098	1/2
3/4	3/4	3/4	3/4	228,273	3/4	212,298	3/4	195,864	3/4	179,411	3/4	161,025	3/4	142,242	3/4	123,462	3/4	104,707	3/4
4	4	4	4	228,014	4	211,956	4	195,522	4	179,068	4	160,634	4	141,851	4	123,072	4	104,316	4
1/4	1/4	1/4	1/4	227,756	1/4	211,614	1/4	195,179	1/4	178,725	1/4	160,242	1/4	141,460	1/4	122,681	1/4	103,925	1/4
1/2	1/2	1/2	1/2	227,498	1/2	211,271	1/2	194,837	1/2	178,382	1/2	159,851	1/2	141,068	1/2	122,291	1/2	103,534	1/2
3/4	3/4	3/4	3/4	227,240	3/4	210,929	3/4	194,495	3/4	178,038	3/4	159,460	3/4	140,677	3/4	121,900	3/4	103,142	3/4
5	5	5	5	226,916	5	210,586	5	194,152	5	177,695	5	159,068	5	140,286	5	121,509	5	102,751	5
1/4	1/4	1/4	1/4	226,593	1/4	210,244	1/4	193,810	1/4	177,352	1/4	158,677	1/4	139,894	1/4	121,119	1/4	102,360	1/4
1/2	1/2	1/2	1/2	226,270	1/2	209,902	1/2	193,467	1/2	177,008	1/2	158,286	1/2	139,503	1/2	120,728	1/2	101,969	1/2
3/4	3/4	3/4	3/4	225,946	3/4	209,559	3/4	193,125	3/4	176,665	3/4	157,895	3/4	139,112	3/4	120,338	3/4	101,578	3/4
6	6	6	6	225,615	6	209,217	6	192,783	6	176,274	6	157,503	6	138,721	6	119,947	6	101,186	6
1/4	1/4	1/4	1/4	225,285	1/4	208,875	1/4	192,440	1/4	175,884	1/4	157,112	1/4	138,329	1/4	119,557	1/4	100,795	1/4
1/2	1/2	1/2	1/2	224,954	1/2	208,532	1/2	192,098	1/2	175,493	1/2	156,721	1/2	137,938	1/2	119,166	1/2	100,404	1/2
3/4	3/4	3/4	3/4	224,623	3/4	208,190	3/4	191,755	3/4	175,102	3/4	156,329	3/4	137,547	3/4	118,775	3/4	100,013	3/4
7	7	7	7	224,281	7	207,847	7	191,413	7	174,711	7	155,938	7	137,155	7	118,385	7	99,622	7
1/4	1/4	1/4	1/4	223,939	1/4	207,505	1/4	191,071	1/4	174,320	1/4	155,547	1/4	136,764	1/4	117,994	1/4	99,231	1/4
1/2	1/2	1/2	1/2	223,597	1/2	207,163	1/2	190,728	1/2	173,929	1/2	155,155	1/2	136,373	1/2	117,604	1/2	98,839	1/2
3/4	3/4	3/4	3/4	223,255	3/4	206,820	3/4	190,386	3/4	173,539	3/4	154,764	3/4	135,981	3/4	117,213	3/4	98,448	3/4
8	8	8	8	222,912	8	206,478	8	190,044	8	173,148	8	154,373	8	135,590	8	116,823	8	98,057	8
1/4	1/4	1/4	1/4	222,570	1/4	206,135	1/4	189,701	1/4	172,757	1/4	153,981	1/4	135,199	1/4	116,432	1/4	97,666	1/4
1/2	1/2	1/2	1/2	222,227	1/2	205,793	1/2	189,359	1/2	172,366	1/2	153,590	1/2	134,807	1/2	116,042	1/2	97,275	1/2
3/4	3/4	3/4	3/4	221,885	3/4	205,451	3/4	189,016	3/4	171,975	3/4	153,199	3/4	134,416	3/4	115,651	3/4	96,883	3/4
9	9	9	9	221,543	9	205,108	9	188,674	9	171,585	9	152,808	9	134,025	9	115,260	9	96,492	9
1/4	1/4	1/4	1/4	221,200	1/4	204,766	1/4	188,332	1/4	171,194	1/4	152,416	1/4	133,634	1/4	114,870	1/4	96,101	1/4
1/2	1/2	1/2	1/2	220,858	1/2	204,424	1/2	187,989	1/2	170,803	1/2	152,025	1/2	133,242	1/2	114,479	1/2	95,710	1/2
3/4	3/4	3/4	3/4	220,515	3/4	204,081	3/4	187,647	3/4	170,412	3/4	151,634	3/4	132,851	3/4	114,089	3/4	95,319	3/4
10	10	10	10	220,173	10	203,739	10	187,305	10	170,021	10	151,242	10	132,460	10	113,698	10	94,928	10
1/4	1/4	1/4	1/4	219,831	1/4	203,396	1/4	186,962	1/4	169,631	1/4	150,851	1/4	132,068	1/4	113,308	1/4	94,536	1/4
1/2	1/2	1/2	1/2	219,488	1/2	203,054	1/2	186,620	1/2	169,240	1/2	150,460	1/2	131,677	1/2	112,917	1/2	94,145	1/2
3/4	3/4	3/4	3/4	219,146	3/4	202,712	3/4	186,277	3/4	168,849	3/4	150,068	3/4	131,286	3/4	112,526	3/4	93,754	3/4
11	11	11	11	218,804	11	202,369	11	185,934	11	168,458	11	149,677	11	130,894	11	112,136	11	93,363	11
1/4	1/4	1/4	1/4	218,461	1/4	202,027	1/4	185,591	1/4	168,067	1/4	149,286	1/4	130,503	1/4	111,745	1/4	92,972	1/4
1/2	1/2	1/2	1/2	218,119	1/2	201,685	1/2	185,247	1/2	167,677	1/2	148,894	1/2	130,112	1/2	111,355	1/2	92,580	1/2
3/4	3/4	3/4	3/4	217,776	3/4	201,342	3/4	184,904	3/4	167,286	3/4	148,503	3/4	129,720	3/4	110,964	3/4	92,189	3/4

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 1'-03" OFF CENTERLINE AND 22'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 1703"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 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	91,798	0	73,021	0	54,313	0	35,684	0	16,878	0	186	0		0		0		0	
1/4	91,407	1/4	72,630	1/4	53,928	1/4	35,293	1/4	16,487	1/4	137	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,016	1/2	72,239	1/2	53,542	1/2	34,901	1/2	16,095	1/2	88	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,624	3/4	71,848	3/4	53,157	3/4	34,510	3/4	15,703	3/4	39	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	90,233	1	71,456	1	52,771	1	34,118	1	15,311	1		1	1	1	1	1	1	1	1
1/4	89,842	1/4	71,065	1/4	52,385	1/4	33,727	1/4	14,919	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,451	1/2	70,674	1/2	52,000	1/2	33,336	1/2	14,527	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,060	3/4	70,283	3/4	51,614	3/4	32,944	3/4	14,136	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	88,669	2	69,892	2	51,229	2	32,552	2	13,744	2		2	2	2	2	2	2	2	2
1/4	88,277	1/4	69,500	1/4	50,843	1/4	32,161	1/4	13,352	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,886	1/2	69,109	1/2	50,457	1/2	31,769	1/2	12,960	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,495	3/4	68,718	3/4	50,072	3/4	31,377	3/4	12,568	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	87,104	3	68,327	3	49,686	3	30,985	3	12,176	3		3	3	3	3	3	3	3	3
1/4	86,713	1/4	67,936	1/4	49,301	1/4	30,593	1/4	11,784	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,321	1/2	67,544	1/2	48,915	1/2	30,201	1/2	11,393	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,930	3/4	67,153	3/4	48,530	3/4	29,810	3/4	11,001	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	85,539	4	66,762	4	48,144	4	29,418	4	10,609	4		4	4	4	4	4	4	4	4
1/4	85,148	1/4	66,371	1/4	47,758	1/4	29,026	1/4	10,217	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,757	1/2	65,980	1/2	47,373	1/2	28,634	1/2	9,825	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,365	3/4	65,589	3/4	46,987	3/4	28,242	3/4	9,433	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	83,974	5	65,197	5	46,602	5	27,850	5	9,041	5		5	5	5	5	5	5	5	5
1/4	83,583	1/4	64,806	1/4	46,216	1/4	27,458	1/4	8,650	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,192	1/2	64,415	1/2	45,830	1/2	27,067	1/2	8,258	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,801	3/4	64,024	3/4	45,445	3/4	26,675	3/4	7,866	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	82,410	6	63,633	6	45,059	6	26,283	6	7,474	6		6	6	6	6	6	6	6	6
1/4	82,018	1/4	63,241	1/4	44,674	1/4	25,891	1/4	7,082	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,627	1/2	62,850	1/2	44,288	1/2	25,499	1/2	6,691	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,236	3/4	62,459	3/4	43,902	3/4	25,107	3/4	6,299	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	80,845	7	62,068	7	43,511	7	24,715	7	5,907	7		7	7	7	7	7	7	7	7
1/4	80,454	1/4	61,677	1/4	43,120	1/4	24,324	1/4	5,516	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,062	1/2	61,285	1/2	42,728	1/2	23,932	1/2	5,125	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,671	3/4	60,894	3/4	42,337	3/4	23,540	3/4	4,734	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	79,280	8	60,503	8	41,946	8	23,148	8	4,344	8		8	8	8	8	8	8	8	8
1/4	78,889	1/4	60,112	1/4	41,554	1/4	22,756	1/4	3,954	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,498	1/2	59,721	1/2	41,163	1/2	22,364	1/2	3,564	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,106	3/4	59,330	3/4	40,772	3/4	21,973	3/4	3,174	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	77,715	9	58,944	9	40,380	9	21,581	9	2,831	9		9	9	9	9	9	9	9	9
1/4	77,324	1/4	58,557	1/4	39,989	1/4	21,189	1/4	2,488	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,933	1/2	58,171	1/2	39,597	1/2	20,797	1/2	2,145	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,542	3/4	57,785	3/4	39,206	3/4	20,405	3/4	1,803	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	76,151	10	57,399	10	38,815	10	20,013	10	1,558	10		10	10	10	10	10	10	10	10
1/4	75,759	1/4	57,013	1/4	38,423	1/4	19,621	1/4	1,313	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,368	1/2	56,627	1/2	38,032	1/2	19,230	1/2	1,068	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,977	3/4	56,241	3/4	37,641	3/4	18,838	3/4	823	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	74,586	11	55,856	11	37,249	11	18,446	11	676	11		11	11	11	11	11	11	11	11
1/4	74,195	1/4	55,470	1/4	36,858	1/4	18,054	1/4	529	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,803	1/2	55,085	1/2	36,467	1/2	17,662	1/2	382	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,412	3/4	54,699	3/4	36,075	3/4	17,270	3/4	235	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: 07/23/2019 SW - JS
CALCULATED: 07/24/2019 CL
PRINTED: 07/27/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "CBC 1703"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-07"

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		0	122,002	0	111,537	0	101,047	0	90,552	0	80,053	0	69,553	0	59,054
1/4		1/4		1/4		1/4	121,784	1/4	111,319	1/4	100,828	1/4	90,333	1/4	79,834	1/4	69,335	1/4	58,836
1/2		1/2		1/2		1/2	121,566	1/2	111,101	1/2	100,610	1/2	90,114	1/2	79,615	1/2	69,116	1/2	58,617
3/4		3/4		3/4	131,410	3/4	121,348	3/4	110,883	3/4	100,391	3/4	89,895	3/4	79,396	3/4	68,897	3/4	58,398
1		1		1	131,267	1	121,130	1	110,665	1	100,172	1	89,677	1	79,178	1	68,678	1	58,179
1/4		1/4		1/4	131,123	1/4	120,912	1/4	110,447	1/4	99,954	1/4	89,458	1/4	78,959	1/4	68,460	1/4	57,961
1/2		1/2		1/2	130,980	1/2	120,694	1/2	110,229	1/2	99,735	1/2	89,239	1/2	78,740	1/2	68,241	1/2	57,742
3/4		3/4		3/4	130,800	3/4	120,476	3/4	110,011	3/4	99,516	3/4	89,021	3/4	78,521	3/4	68,022	3/4	57,523
2		2		2	130,620	2	120,258	2	109,792	2	99,298	2	88,802	2	78,303	2	67,804	2	57,304
1/4		1/4		1/4	130,440	1/4	120,040	1/4	109,573	1/4	99,079	1/4	88,583	1/4	78,084	1/4	67,585	1/4	57,086
1/2		1/2		1/2	130,260	1/2	119,822	1/2	109,355	1/2	98,861	1/2	88,364	1/2	77,865	1/2	67,366	1/2	56,867
3/4		3/4		3/4	130,049	3/4	119,604	3/4	109,136	3/4	98,642	3/4	88,146	3/4	77,646	3/4	67,147	3/4	56,648
3		3		3	129,838	3	119,386	3	108,917	3	98,423	3	87,927	3	77,428	3	66,929	3	56,430
1/4		1/4		1/4	129,626	1/4	119,168	1/4	108,699	1/4	98,205	1/4	87,708	1/4	77,209	1/4	66,710	1/4	56,211
1/2		1/2		1/2	129,415	1/2	118,950	1/2	108,480	1/2	97,986	1/2	87,489	1/2	76,990	1/2	66,491	1/2	55,992
3/4		3/4		3/4	129,197	3/4	118,732	3/4	108,262	3/4	97,767	3/4	87,271	3/4	76,772	3/4	66,272	3/4	55,773
4		4		4	128,979	4	118,514	4	108,043	4	97,549	4	87,052	4	76,553	4	66,054	4	55,555
1/4		1/4		1/4	128,761	1/4	118,296	1/4	107,824	1/4	97,330	1/4	86,833	1/4	76,334	1/4	65,835	1/4	55,336
1/2		1/2		1/2	128,543	1/2	118,078	1/2	107,606	1/2	97,112	1/2	86,614	1/2	76,115	1/2	65,616	1/2	55,117
3/4		3/4		3/4	128,325	3/4	117,860	3/4	107,387	3/4	96,893	3/4	86,396	3/4	75,897	3/4	65,398	3/4	54,898
5		5		5	128,107	5	117,642	5	107,168	5	96,674	5	86,177	5	75,678	5	65,179	5	54,680
1/4		1/4		1/4	127,889	1/4	117,424	1/4	106,950	1/4	96,456	1/4	85,958	1/4	75,459	1/4	64,960	1/4	54,461
1/2		1/2		1/2	127,671	1/2	117,206	1/2	106,731	1/2	96,237	1/2	85,740	1/2	75,240	1/2	64,741	1/2	54,242
3/4		3/4		3/4	127,453	3/4	116,988	3/4	106,513	3/4	96,018	3/4	85,521	3/4	75,022	3/4	64,523	3/4	54,023
6		6		6	127,235	6	116,770	6	106,294	6	95,800	6	85,302	6	74,803	6	64,304	6	53,805
1/4		1/4		1/4	127,017	1/4	116,552	1/4	106,075	1/4	95,581	1/4	85,083	1/4	74,584	1/4	64,085	1/4	53,586
1/2		1/2		1/2	126,799	1/2	116,334	1/2	105,857	1/2	95,363	1/2	84,865	1/2	74,366	1/2	63,866	1/2	53,367
3/4		3/4		3/4	126,581	3/4	116,116	3/4	105,638	3/4	95,144	3/4	84,646	3/4	74,147	3/4	63,648	3/4	53,149
7		7		7	126,363	7	115,898	7	105,419	7	94,925	7	84,427	7	73,928	7	63,429	7	52,930
1/4		1/4		1/4	126,145	1/4	115,680	1/4	105,201	1/4	94,707	1/4	84,208	1/4	73,709	1/4	63,210	1/4	52,711
1/2		1/2		1/2	125,927	1/2	115,462	1/2	104,982	1/2	94,488	1/2	83,990	1/2	73,491	1/2	62,991	1/2	52,492
3/4		3/4		3/4	125,709	3/4	115,244	3/4	104,764	3/4	94,269	3/4	83,771	3/4	73,272	3/4	62,773	3/4	52,274
8		8		8	125,491	8	115,026	8	104,545	8	94,051	8	83,552	8	73,053	8	62,554	8	52,055
1/4		1/4		1/4	125,273	1/4	114,808	1/4	104,326	1/4	93,832	1/4	83,334	1/4	72,834	1/4	62,335	1/4	51,836
1/2		1/2		1/2	125,055	1/2	114,590	1/2	104,108	1/2	93,614	1/2	83,115	1/2	72,616	1/2	62,117	1/2	51,617
3/4		3/4		3/4	124,837	3/4	114,372	3/4	103,889	3/4	93,395	3/4	82,896	3/4	72,397	3/4	61,898	3/4	51,399
9		9		9	124,619	9	114,154	9	103,670	9	93,176	9	82,677	9	72,178	9	61,679	9	51,180
1/4		1/4		1/4	124,400	1/4	113,936	1/4	103,452	1/4	92,958	1/4	82,459	1/4	71,959	1/4	61,460	1/4	50,961
1/2		1/2		1/2	124,182	1/2	113,718	1/2	103,233	1/2	92,739	1/2	82,240	1/2	71,741	1/2	61,242	1/2	50,742
3/4		3/4		3/4	123,964	3/4	113,500	3/4	103,015	3/4	92,520	3/4	82,021	3/4	71,522	3/4	61,023	3/4	50,524
10		10		10	123,746	10	113,281	10	102,796	10	92,302	10	81,802	10	71,303	10	60,804	10	50,305
1/4		1/4		1/4	123,528	1/4	113,063	1/4	102,577	1/4	92,083	1/4	81,584	1/4	71,085	1/4	60,585	1/4	50,086
1/2		1/2		1/2	123,310	1/2	112,845	1/2	102,359	1/2	91,864	1/2	81,365	1/2	70,866	1/2	60,367	1/2	49,868
3/4		3/4		3/4	123,092	3/4	112,627	3/4	102,140	3/4	91,645	3/4	81,146	3/4	70,647	3/4	60,148	3/4	49,649
11		11		11	122,874	11	112,409	11	101,921	11	91,427	11	80,927	11	70,428	11	59,929	11	49,430
1/4		1/4		1/4	122,656	1/4	112,191	1/4	101,703	1/4	91,208	1/4	80,709	1/4	70,210	1/4	59,710	1/4	49,211
1/2		1/2		1/2	122,438	1/2	111,973	1/2	101,484	1/2	90,989	1/2	80,490	1/2	69,991	1/2	59,492	1/2	48,993
3/4		3/4		3/4	122,220	3/4	111,755	3/4	101,265	3/4	90,770	3/4	80,271	3/4	69,772	3/4	59,273	3/4	48,774

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 14'-09" OFF CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 1703"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GUAGE HEIGHT 14'-07"

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	48,555	0	38,056	0	27,578	0	17,094	0	6,595	0		0		0		0		0	
1/4	48,336	1/4	37,837	1/4	27,361	1/4	16,875	1/4	6,376	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,118	1/2	37,619	1/2	27,143	1/2	16,656	1/2	6,157	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,899	3/4	37,400	3/4	26,925	3/4	16,437	3/4	5,939	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	47,680	1	37,181	1	26,707	1	16,219	1	5,720	1		1		1		1		1	
1/4	47,462	1/4	36,962	1/4	26,490	1/4	16,000	1/4	5,501	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,243	1/2	36,744	1/2	26,272	1/2	15,781	1/2	5,283	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,024	3/4	36,525	3/4	26,054	3/4	15,563	3/4	5,064	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	46,805	2	36,306	2	25,837	2	15,344	2	4,845	2		2		2		2		2	
1/4	46,587	1/4	36,087	1/4	25,619	1/4	15,125	1/4	4,626	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,368	1/2	35,869	1/2	25,401	1/2	14,906	1/2	4,408	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,149	3/4	35,650	3/4	25,183	3/4	14,688	3/4	4,189	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	45,930	3	35,431	3	24,966	3	14,469	3	3,970	3		3		3		3		3	
1/4	45,712	1/4	35,213	1/4	24,748	1/4	14,250	1/4	3,752	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,493	1/2	34,994	1/2	24,530	1/2	14,031	1/2	3,533	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,274	3/4	34,775	3/4	24,311	3/4	13,813	3/4	3,315	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	45,055	4	34,556	4	24,093	4	13,594	4	3,096	4		4		4		4		4	
1/4	44,837	1/4	34,338	1/4	23,874	1/4	13,375	1/4	2,878	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,618	1/2	34,119	1/2	23,655	1/2	13,157	1/2	2,659	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,399	3/4	33,900	3/4	23,437	3/4	12,938	3/4	2,442	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	44,181	5	33,681	5	23,218	5	12,719	5	2,224	5		5		5		5		5	
1/4	43,962	1/4	33,463	1/4	22,999	1/4	12,500	1/4	2,006	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,743	1/2	33,244	1/2	22,780	1/2	12,282	1/2	1,789	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,524	3/4	33,026	3/4	22,562	3/4	12,063	3/4	1,597	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	43,306	6	32,807	6	22,343	6	11,844	6	1,406	6		6		6		6		6	
1/4	43,087	1/4	32,589	1/4	22,124	1/4	11,626	1/4	1,215	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,868	1/2	32,371	1/2	21,905	1/2	11,407	1/2	1,023	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,649	3/4	32,152	3/4	21,687	3/4	11,188	3/4	887	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	42,431	7	31,934	7	21,468	7	10,969	7	750	7		7		7		7		7	
1/4	42,212	1/4	31,716	1/4	21,249	1/4	10,751	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,993	1/2	31,497	1/2	21,031	1/2	10,532	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,774	3/4	31,280	3/4	20,812	3/4	10,313	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	41,556	8	31,062	8	20,593	8	10,094	8		8		8		8		8		8	
1/4	41,337	1/4	30,844	1/4	20,374	1/4	9,876	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,118	1/2	30,627	1/2	20,156	1/2	9,657	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,900	3/4	30,409	3/4	19,937	3/4	9,438	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	40,681	9	30,191	9	19,718	9	9,220	9		9		9		9		9		9	
1/4	40,462	1/4	29,973	1/4	19,500	1/4	9,001	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	40,243	1/2	29,756	1/2	19,281	1/2	8,782	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,025	3/4	29,538	3/4	19,062	3/4	8,563	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	39,806	10	29,320	10	18,843	10	8,345	10		10		10		10		10		10	
1/4	39,587	1/4	29,102	1/4	18,625	1/4	8,126	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	39,368	1/2	28,885	1/2	18,406	1/2	7,907	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	39,150	3/4	28,667	3/4	18,187	3/4	7,688	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	38,931	11	28,449	11	17,968	11	7,470	11		11		11		11		11		11	
1/4	38,712	1/4	28,232	1/4	17,750	1/4	7,251	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	38,494	1/2	28,014	1/2	17,531	1/2	7,032	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	38,275	3/4	27,796	3/4	17,312	3/4	6,814	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: 07/23/2019 SW - JS
CALCULATED: 07/24/2019 CL
PRINTED: 07/27/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "CBC 1703"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-07"

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		0	121,500	0	111,053	0	100,580	0	90,102	0	79,621	0	69,139	0	58,658		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	121,282	1/4	110,835	1/4	100,362	1/4	89,884	1/4	79,403	1/4	68,921	1/4	58,440		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	121,065	1/2	110,617	1/2	100,143	1/2	89,666	1/2	79,184	1/2	68,703	1/2	58,221		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	130,892	3/4	120,847	3/4	110,400	3/4	99,925	3/4	89,447	3/4	78,966	3/4	68,484	3/4	58,003
1		1		1		1	130,749	1	120,629	1	110,182	1	99,707	1	89,229	1	78,747	1	68,266	1	57,785
1/4	1/4	1/4	1/4	1/4	1/4	1/4	130,606	1/4	120,412	1/4	109,965	1/4	99,489	1/4	89,011	1/4	78,529	1/4	68,048	1/4	57,566
1/2	1/2	1/2	1/2	1/2	1/2	1/2	130,463	1/2	120,194	1/2	109,747	1/2	99,270	1/2	88,792	1/2	78,311	1/2	67,829	1/2	57,348
3/4	3/4	3/4	3/4	3/4	3/4	3/4	130,283	3/4	119,977	3/4	109,529	3/4	99,052	3/4	88,574	3/4	78,092	3/4	67,611	3/4	57,129
2		2		2		2	130,103	2	119,759	2	109,310	2	98,834	2	88,355	2	77,874	2	67,393	2	56,911
1/4	1/4	1/4	1/4	1/4	1/4	1/4	129,924	1/4	119,541	1/4	109,092	1/4	98,616	1/4	88,137	1/4	77,656	1/4	67,174	1/4	56,693
1/2	1/2	1/2	1/2	1/2	1/2	1/2	129,744	1/2	119,324	1/2	108,874	1/2	98,397	1/2	87,919	1/2	77,437	1/2	66,956	1/2	56,474
3/4	3/4	3/4	3/4	3/4	3/4	3/4	129,533	3/4	119,106	3/4	108,656	3/4	98,179	3/4	87,700	3/4	77,219	3/4	66,737	3/4	56,256
3		3		3		3	129,322	3	118,888	3	108,437	3	97,961	3	87,482	3	77,001	3	66,519	3	56,038
1/4	1/4	1/4	1/4	1/4	1/4	1/4	129,111	1/4	118,671	1/4	108,219	1/4	97,743	1/4	87,264	1/4	76,782	1/4	66,301	1/4	55,819
1/2	1/2	1/2	1/2	1/2	1/2	1/2	128,900	1/2	118,453	1/2	108,001	1/2	97,524	1/2	87,045	1/2	76,564	1/2	66,082	1/2	55,601
3/4	3/4	3/4	3/4	3/4	3/4	3/4	128,682	3/4	118,235	3/4	107,783	3/4	97,306	3/4	86,827	3/4	76,345	3/4	65,864	3/4	55,383
4		4		4		4	128,465	4	118,018	4	107,564	4	97,088	4	86,609	4	76,127	4	65,646	4	55,164
1/4	1/4	1/4	1/4	1/4	1/4	1/4	128,247	1/4	117,800	1/4	107,346	1/4	96,869	1/4	86,390	1/4	75,909	1/4	65,427	1/4	54,946
1/2	1/2	1/2	1/2	1/2	1/2	1/2	128,030	1/2	117,582	1/2	107,128	1/2	96,651	1/2	86,172	1/2	75,690	1/2	65,209	1/2	54,727
3/4	3/4	3/4	3/4	3/4	3/4	3/4	127,812	3/4	117,365	3/4	106,909	3/4	96,433	3/4	85,953	3/4	75,472	3/4	64,991	3/4	54,509
5		5		5		5	127,594	5	117,147	5	106,691	5	96,215	5	85,735	5	75,254	5	64,772	5	54,291
1/4	1/4	1/4	1/4	1/4	1/4	1/4	127,377	1/4	116,929	1/4	106,473	1/4	95,996	1/4	85,517	1/4	75,035	1/4	64,554	1/4	54,072
1/2	1/2	1/2	1/2	1/2	1/2	1/2	127,159	1/2	116,712	1/2	106,255	1/2	95,778	1/2	85,298	1/2	74,817	1/2	64,335	1/2	53,854
3/4	3/4	3/4	3/4	3/4	3/4	3/4	126,941	3/4	116,494	3/4	106,036	3/4	95,560	3/4	85,080	3/4	74,599	3/4	64,117	3/4	53,636
6		6		6		6	126,724	6	116,276	6	105,818	6	95,342	6	84,862	6	74,380	6	63,899	6	53,417
1/4	1/4	1/4	1/4	1/4	1/4	1/4	126,506	1/4	116,059	1/4	105,600	1/4	95,123	1/4	84,643	1/4	74,162	1/4	63,680	1/4	53,199
1/2	1/2	1/2	1/2	1/2	1/2	1/2	126,288	1/2	115,841	1/2	105,382	1/2	94,905	1/2	84,425	1/2	73,943	1/2	63,462	1/2	52,981
3/4	3/4	3/4	3/4	3/4	3/4	3/4	126,071	3/4	115,623	3/4	105,163	3/4	94,687	3/4	84,207	3/4	73,725	3/4	63,244	3/4	52,762
7		7		7		7	125,853	7	115,406	7	104,945	7	94,469	7	83,988	7	73,507	7	63,025	7	52,544
1/4	1/4	1/4	1/4	1/4	1/4	1/4	125,636	1/4	115,188	1/4	104,727	1/4	94,250	1/4	83,770	1/4	73,288	1/4	62,807	1/4	52,325
1/2	1/2	1/2	1/2	1/2	1/2	1/2	125,418	1/2	114,971	1/2	104,509	1/2	94,032	1/2	83,551	1/2	73,070	1/2	62,589	1/2	52,107
3/4	3/4	3/4	3/4	3/4	3/4	3/4	125,200	3/4	114,753	3/4	104,290	3/4	93,814	3/4	83,333	3/4	72,852	3/4	62,370	3/4	51,889
8		8		8		8	124,983	8	114,535	8	104,072	8	93,596	8	83,115	8	72,633	8	62,152	8	51,670
1/4	1/4	1/4	1/4	1/4	1/4	1/4	124,765	1/4	114,318	1/4	103,854	1/4	93,377	1/4	82,896	1/4	72,415	1/4	61,933	1/4	51,452
1/2	1/2	1/2	1/2	1/2	1/2	1/2	124,547	1/2	114,100	1/2	103,636	1/2	93,159	1/2	82,678	1/2	72,197	1/2	61,715	1/2	51,234
3/4	3/4	3/4	3/4	3/4	3/4	3/4	124,330	3/4	113,882	3/4	103,417	3/4	92,941	3/4	82,460	3/4	71,978	3/4	61,497	3/4	51,015
9		9		9		9	124,112	9	113,665	9	103,199	9	92,723	9	82,241	9	71,760	9	61,278	9	50,797
1/4	1/4	1/4	1/4	1/4	1/4	1/4	123,894	1/4	113,447	1/4	102,981	1/4	92,504	1/4	82,023	1/4	71,541	1/4	61,060	1/4	50,579
1/2	1/2	1/2	1/2	1/2	1/2	1/2	123,677	1/2	113,229	1/2	102,763	1/2	92,286	1/2	81,805	1/2	71,323	1/2	60,842	1/2	50,360
3/4	3/4	3/4	3/4	3/4	3/4	3/4	123,459	3/4	113,012	3/4	102,544	3/4	92,068	3/4	81,586	3/4	71,105	3/4	60,623	3/4	50,142
10		10		10		10	123,241	10	112,794	10	102,326	10	91,849	10	81,368	10	70,886	10	60,405	10	49,923
1/4	1/4	1/4	1/4	1/4	1/4	1/4	123,024	1/4	112,576	1/4	102,108	1/4	91,631	1/4	81,149	1/4	70,668	1/4	60,187	1/4	49,705
1/2	1/2	1/2	1/2	1/2	1/2	1/2	122,806	1/2	112,359	1/2	101,889	1/2	91,413	1/2	80,931	1/2	70,450	1/2	59,968	1/2	49,487
3/4	3/4	3/4	3/4	3/4	3/4	3/4	122,588	3/4	112,141	3/4	101,671	3/4	91,194	3/4	80,713	3/4	70,231	3/4	59,750	3/4	49,268
11		11		11		11	122,371	11	111,923	11	101,453	11	90,976	11	80,494	11	70,013	11	59,531	11	49,050
1/4	1/4	1/4	1/4	1/4	1/4	1/4	122,153	1/4	111,706	1/4	101,235	1/4	90,757	1/4	80,276	1/4	69,795	1/4	59,313	1/4	48,832
1/2	1/2	1/2	1/2	1/2	1/2	1/2	121,935	1/2	111,488	1/2	101,016	1/2	90,539	1/2	80,058	1/2	69,576	1/2	59,095	1/2	48,613
3/4	3/4	3/4	3/4	3/4	3/4	3/4	121,718	3/4	111,270	3/4	100,798	3/4	90,321	3/4	79,839	3/4	69,358	3/4	58,876	3/4	48,395

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 14'-09" OFF CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 1703"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-07"

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	48,177	0	37,695	0	27,428	0	17,065	0	6,584	0		0		0		0		0	
1/4	47,958	1/4	37,477	1/4	27,218	1/4	16,847	1/4	6,366	1/4		1/4		1/4		1/4		1/4	
1/2	47,740	1/2	37,258	1/2	27,009	1/2	16,629	1/2	6,148	1/2		1/2		1/2		1/2		1/2	
3/4	47,521	3/4	37,040	3/4	26,799	3/4	16,410	3/4	5,929	3/4		3/4		3/4		3/4		3/4	
1	47,303	1	36,822	1	26,589	1	16,192	1	5,711	1		1		1		1		1	
1/4	47,085	1/4	36,603	1/4	26,379	1/4	15,974	1/4	5,493	1/4		1/4		1/4		1/4		1/4	
1/2	46,866	1/2	36,385	1/2	26,169	1/2	15,755	1/2	5,274	1/2		1/2		1/2		1/2		1/2	
3/4	46,648	3/4	36,167	3/4	25,959	3/4	15,537	3/4	5,056	3/4		3/4		3/4		3/4		3/4	
2	46,430	2	35,948	2	25,749	2	15,319	2	4,838	2		2		2		2		2	
1/4	46,211	1/4	35,730	1/4	25,539	1/4	15,100	1/4	4,619	1/4		1/4		1/4		1/4		1/4	
1/2	45,993	1/2	35,511	1/2	25,329	1/2	14,882	1/2	4,401	1/2		1/2		1/2		1/2		1/2	
3/4	45,775	3/4	35,293	3/4	25,119	3/4	14,664	3/4	4,183	3/4		3/4		3/4		3/4		3/4	
3	45,556	3	35,075	3	24,909	3	14,445	3	3,964	3		3		3		3		3	
1/4	45,338	1/4	34,856	1/4	24,699	1/4	14,227	1/4	3,746	1/4		1/4		1/4		1/4		1/4	
1/2	45,119	1/2	34,638	1/2	24,489	1/2	14,008	1/2	3,528	1/2		1/2		1/2		1/2		1/2	
3/4	44,901	3/4	34,420	3/4	24,271	3/4	13,790	3/4	3,310	3/4		3/4		3/4		3/4		3/4	
4	44,683	4	34,201	4	24,053	4	13,572	4	3,091	4		4		4		4		4	
1/4	44,464	1/4	33,983	1/4	23,834	1/4	13,353	1/4	2,873	1/4		1/4		1/4		1/4		1/4	
1/2	44,246	1/2	33,765	1/2	23,616	1/2	13,135	1/2	2,655	1/2		1/2		1/2		1/2		1/2	
3/4	44,028	3/4	33,546	3/4	23,398	3/4	12,917	3/4	2,438	3/4		3/4		3/4		3/4		3/4	
5	43,809	5	33,328	5	23,179	5	12,698	5	2,221	5		5		5		5		5	
1/4	43,591	1/4	33,109	1/4	22,961	1/4	12,480	1/4	2,004	1/4		1/4		1/4		1/4		1/4	
1/2	43,373	1/2	32,891	1/2	22,743	1/2	12,262	1/2	1,786	1/2		1/2		1/2		1/2		1/2	
3/4	43,154	3/4	32,681	3/4	22,524	3/4	12,043	3/4	1,595	3/4		3/4		3/4		3/4		3/4	
6	42,936	6	32,470	6	22,306	6	11,825	6	1,404	6		6		6		6		6	
1/4	42,717	1/4	32,260	1/4	22,088	1/4	11,607	1/4	1,213	1/4		1/4		1/4		1/4		1/4	
1/2	42,499	1/2	32,049	1/2	21,869	1/2	11,388	1/2	1,022	1/2		1/2		1/2		1/2		1/2	
3/4	42,281	3/4	31,839	3/4	21,651	3/4	11,170	3/4	886	3/4		3/4		3/4		3/4		3/4	
7	42,062	7	31,628	7	21,433	7	10,951	7	749	7		7		7		7		7	
1/4	41,844	1/4	31,418	1/4	21,214	1/4	10,733	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	41,626	1/2	31,207	1/2	20,996	1/2	10,515	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	41,407	3/4	30,997	3/4	20,777	3/4	10,296	3/4		3/4		3/4		3/4		3/4		3/4	
8	41,189	8	30,787	8	20,559	8	10,078	8		8		8		8		8		8	
1/4	40,971	1/4	30,577	1/4	20,341	1/4	9,860	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	40,752	1/2	30,367	1/2	20,122	1/2	9,641	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	40,534	3/4	30,157	3/4	19,904	3/4	9,423	3/4		3/4		3/4		3/4		3/4		3/4	
9	40,315	9	29,947	9	19,686	9	9,205	9		9		9		9		9		9	
1/4	40,097	1/4	29,738	1/4	19,467	1/4	8,986	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	39,879	1/2	29,528	1/2	19,249	1/2	8,768	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	39,660	3/4	29,318	3/4	19,031	3/4	8,550	3/4		3/4		3/4		3/4		3/4		3/4	
10	39,442	10	29,108	10	18,812	10	8,331	10		10		10		10		10		10	
1/4	39,224	1/4	28,898	1/4	18,594	1/4	8,113	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	39,005	1/2	28,688	1/2	18,376	1/2	7,895	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	38,787	3/4	28,478	3/4	18,157	3/4	7,676	3/4		3/4		3/4		3/4		3/4		3/4	
11	38,569	11	28,268	11	17,939	11	7,458	11		11		11		11		11		11	
1/4	38,350	1/4	28,058	1/4	17,720	1/4	7,239	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	38,132	1/2	27,848	1/2	17,502	1/2	7,021	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	37,913	3/4	27,638	3/4	17,284	3/4	6,803	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/23/2019 SW - JS
CALCULATED: 07/24/2019 CL
PRINTED: 07/27/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019





BARGE "CBC 1703"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 1/2"

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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	221,239	0	202,638	0	184,021	0	165,394	0	146,759	0	128,124	0	109,488	
1/4	1/4	1/4	1/4	1/4	1/4	220,852	1/4	202,251	1/4	183,633	1/4	165,006	1/4	146,371	1/4	127,736	1/4	109,100	
1/2	1/2	1/2	1/2	235,148	1/2	220,464	1/2	201,863	1/2	183,245	1/2	164,618	1/2	145,983	1/2	127,348	1/2	108,711	
3/4	3/4	3/4	3/4	235,084	3/4	220,077	3/4	201,476	3/4	182,857	3/4	164,230	3/4	145,595	3/4	126,959	3/4	108,323	
1	1	1	1	235,020	1	219,689	1	201,088	1	182,469	1	163,842	1	145,207	1	126,571	1	107,935	
1/4	1/4	1/4	1/4	234,956	1/4	219,302	1/4	200,701	1/4	182,081	1/4	163,454	1/4	144,818	1/4	126,183	1/4	107,547	
1/2	1/2	1/2	1/2	234,892	1/2	218,914	1/2	200,313	1/2	181,693	1/2	163,065	1/2	144,430	1/2	125,795	1/2	107,158	
3/4	3/4	3/4	3/4	234,763	3/4	218,527	3/4	199,926	3/4	181,305	3/4	162,677	3/4	144,042	3/4	125,406	3/4	106,770	
2	2	2	2	234,635	2	218,139	2	199,538	2	180,917	2	162,289	2	143,654	2	125,018	2	106,382	
1/4	1/4	1/4	1/4	234,506	1/4	217,752	1/4	199,151	1/4	180,529	1/4	161,901	1/4	143,265	1/4	124,630	1/4	105,994	
1/2	1/2	1/2	1/2	234,377	1/2	217,364	1/2	198,763	1/2	180,141	1/2	161,512	1/2	142,877	1/2	124,242	1/2	105,605	
3/4	3/4	3/4	3/4	234,184	3/4	216,977	3/4	198,375	3/4	179,753	3/4	161,124	3/4	142,489	3/4	123,853	3/4	105,217	
3	3	3	3	233,991	3	216,589	3	197,988	3	179,364	3	160,736	3	142,101	3	123,465	3	104,829	
1/4	1/4	1/4	1/4	233,797	1/4	216,202	1/4	197,600	1/4	178,976	1/4	160,348	1/4	141,712	1/4	123,077	1/4	104,440	
1/2	1/2	1/2	1/2	233,604	1/2	215,814	1/2	197,213	1/2	178,588	1/2	159,960	1/2	141,324	1/2	122,689	1/2	104,052	
3/4	3/4	3/4	3/4	233,346	3/4	215,427	3/4	196,825	3/4	178,200	3/4	159,571	3/4	140,936	3/4	122,300	3/4	103,664	
4	4	4	4	233,088	4	215,039	4	196,438	4	177,812	4	159,183	4	140,548	4	121,912	4	103,276	
1/4	1/4	1/4	1/4	232,829	1/4	214,651	1/4	196,050	1/4	177,424	1/4	158,795	1/4	140,159	1/4	121,524	1/4	102,887	
1/2	1/2	1/2	1/2	232,571	1/2	214,264	1/2	195,663	1/2	177,036	1/2	158,407	1/2	139,771	1/2	121,136	1/2	102,499	
3/4	3/4	3/4	3/4	232,249	3/4	213,876	3/4	195,275	3/4	176,648	3/4	158,018	3/4	139,383	3/4	120,747	3/4	102,111	
5	5	5	5	231,926	5	213,489	5	194,887	5	176,260	5	157,630	5	138,995	5	120,359	5	101,723	
1/4	1/4	1/4	1/4	231,603	1/4	213,101	1/4	194,499	1/4	175,872	1/4	157,242	1/4	138,607	1/4	119,971	1/4	101,334	
1/2	1/2	1/2	1/2	231,280	1/2	212,714	1/2	194,111	1/2	175,484	1/2	156,854	1/2	138,218	1/2	119,583	1/2	100,946	
3/4	3/4	3/4	3/4	230,901	3/4	212,326	3/4	193,723	3/4	175,096	3/4	156,465	3/4	137,830	3/4	119,194	3/4	100,558	
6	6	6	6	230,522	6	211,939	6	193,334	6	174,708	6	156,077	6	137,442	6	118,806	6	100,170	
1/4	1/4	1/4	1/4	230,143	1/4	211,551	1/4	192,946	1/4	174,320	1/4	155,689	1/4	137,054	1/4	118,418	1/4	99,781	
1/2	1/2	1/2	1/2	229,764	1/2	211,164	1/2	192,558	1/2	173,932	1/2	155,301	1/2	136,665	1/2	118,029	1/2	99,393	
3/4	3/4	3/4	3/4	229,377	3/4	210,776	3/4	192,170	3/4	173,544	3/4	154,912	3/4	136,277	3/4	117,641	3/4	99,005	
7	7	7	7	228,990	7	210,389	7	191,782	7	173,156	7	154,524	7	135,889	7	117,253	7	98,617	
1/4	1/4	1/4	1/4	228,602	1/4	210,001	1/4	191,394	1/4	172,768	1/4	154,136	1/4	135,501	1/4	116,865	1/4	98,228	
1/2	1/2	1/2	1/2	228,215	1/2	209,614	1/2	191,006	1/2	172,379	1/2	153,748	1/2	135,112	1/2	116,476	1/2	97,840	
3/4	3/4	3/4	3/4	227,827	3/4	209,226	3/4	190,618	3/4	171,991	3/4	153,360	3/4	134,724	3/4	116,088	3/4	97,452	
8	8	8	8	227,440	8	208,839	8	190,230	8	171,603	8	152,971	8	134,336	8	115,700	8	97,064	
1/4	1/4	1/4	1/4	227,052	1/4	208,451	1/4	189,842	1/4	171,215	1/4	152,583	1/4	133,948	1/4	115,312	1/4	96,675	
1/2	1/2	1/2	1/2	226,665	1/2	208,064	1/2	189,454	1/2	170,827	1/2	152,195	1/2	133,559	1/2	114,923	1/2	96,287	
3/4	3/4	3/4	3/4	226,277	3/4	207,676	3/4	189,066	3/4	170,439	3/4	151,807	3/4	133,171	3/4	114,535	3/4	95,899	
9	9	9	9	225,890	9	207,289	9	188,678	9	170,051	9	151,418	9	132,783	9	114,147	9	95,511	
1/4	1/4	1/4	1/4	225,502	1/4	206,901	1/4	188,290	1/4	169,663	1/4	151,030	1/4	132,395	1/4	113,759	1/4	95,122	
1/2	1/2	1/2	1/2	225,115	1/2	206,513	1/2	187,902	1/2	169,275	1/2	150,642	1/2	132,006	1/2	113,370	1/2	94,734	
3/4	3/4	3/4	3/4	224,727	3/4	206,126	3/4	187,514	3/4	168,887	3/4	150,254	3/4	131,618	3/4	112,982	3/4	94,346	
10	10	10	10	224,340	10	205,738	10	187,126	10	168,499	10	149,865	10	131,230	10	112,594	10	93,958	
1/4	1/4	1/4	1/4	223,952	1/4	205,351	1/4	186,738	1/4	168,111	1/4	149,477	1/4	130,842	1/4	112,206	1/4	93,569	
1/2	1/2	1/2	1/2	223,565	1/2	204,963	1/2	186,349	1/2	167,723	1/2	149,089	1/2	130,454	1/2	111,817	1/2	93,181	
3/4	3/4	3/4	3/4	223,177	3/4	204,576	3/4	185,961	3/4	167,335	3/4	148,701	3/4	130,065	3/4	111,429	3/4	92,793	
11	11	11	11	222,789	11	204,188	11	185,573	11	166,947	11	148,312	11	129,677	11	111,041	11	92,405	
1/4	1/4	1/4	1/4	222,402	1/4	203,801	1/4	185,185	1/4	166,559	1/4	147,924	1/4	129,289	1/4	110,653	1/4	92,016	
1/2	1/2	1/2	1/2	222,014	1/2	203,413	1/2	184,797	1/2	166,171	1/2	147,536	1/2	128,901	1/2	110,264	1/2	91,628	
3/4	3/4	3/4	3/4	221,627	3/4	203,026	3/4	184,409	3/4	165,783	3/4	147,148	3/4	128,512	3/4	109,876	3/4	91,240	

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 01'-03" OFF CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 1703"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 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	90,852	0	72,215	0	53,587	0	34,972	0	16,336	0	137	0		0		0		0	
1/4	90,463	1/4	71,827	1/4	53,199	1/4	34,583	1/4	15,948	1/4	88	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,075	1/2	71,439	1/2	52,812	1/2	34,195	1/2	15,559	1/2	39	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,687	3/4	71,050	3/4	52,424	3/4	33,807	3/4	15,171	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	89,298	1	70,662	1	52,037	1	33,419	1	14,783	1		1		1		1		1	
1/4	88,910	1/4	70,274	1/4	51,650	1/4	33,030	1/4	14,395	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,522	1/2	69,886	1/2	51,262	1/2	32,642	1/2	14,006	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,134	3/4	69,497	3/4	50,875	3/4	32,254	3/4	13,618	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	87,745	2	69,109	2	50,487	2	31,866	2	13,230	2		2		2		2		2	
1/4	87,357	1/4	68,721	1/4	50,100	1/4	31,477	1/4	12,842	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,969	1/2	68,333	1/2	49,712	1/2	31,089	1/2	12,453	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,581	3/4	67,944	3/4	49,325	3/4	30,701	3/4	12,065	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	86,192	3	67,556	3	48,937	3	30,313	3	11,677	3		3		3		3		3	
1/4	85,804	1/4	67,168	1/4	48,550	1/4	29,924	1/4	11,289	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,416	1/2	66,780	1/2	48,163	1/2	29,536	1/2	10,900	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,028	3/4	66,391	3/4	47,775	3/4	29,148	3/4	10,512	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	84,639	4	66,003	4	47,388	4	28,760	4	10,124	4		4		4		4		4	
1/4	84,251	1/4	65,615	1/4	47,000	1/4	28,371	1/4	9,736	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,863	1/2	65,227	1/2	46,613	1/2	27,983	1/2	9,347	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,475	3/4	64,838	3/4	46,225	3/4	27,595	3/4	8,959	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	83,086	5	64,450	5	45,838	5	27,207	5	8,571	5		5		5		5		5	
1/4	82,698	1/4	64,062	1/4	45,450	1/4	26,818	1/4	8,183	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,310	1/2	63,674	1/2	45,063	1/2	26,430	1/2	7,794	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,922	3/4	63,285	3/4	44,675	3/4	26,042	3/4	7,406	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	81,533	6	62,897	6	44,288	6	25,654	6	7,018	6		6		6		6		6	
1/4	81,145	1/4	62,509	1/4	43,901	1/4	25,265	1/4	6,630	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,757	1/2	62,121	1/2	43,513	1/2	24,877	1/2	6,242	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,369	3/4	61,732	3/4	43,125	3/4	24,489	3/4	5,854	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	79,980	7	61,344	7	42,737	7	24,101	7	5,466	7		7		7		7		7	
1/4	79,592	1/4	60,956	1/4	42,348	1/4	23,712	1/4	5,079	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,204	1/2	60,567	1/2	41,960	1/2	23,324	1/2	4,691	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,816	3/4	60,179	3/4	41,572	3/4	22,936	3/4	4,304	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	78,427	8	59,791	8	41,184	8	22,548	8	3,918	8		8		8		8		8	
1/4	78,039	1/4	59,403	1/4	40,795	1/4	22,159	1/4	3,532	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,651	1/2	59,014	1/2	40,407	1/2	21,771	1/2	3,145	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,263	3/4	58,627	3/4	40,019	3/4	21,383	3/4	2,806	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	76,874	9	58,239	9	39,631	9	20,995	9	2,466	9		9		9		9		9	
1/4	76,486	1/4	57,851	1/4	39,242	1/4	20,606	1/4	2,126	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,098	1/2	57,463	1/2	38,854	1/2	20,218	1/2	1,787	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,709	3/4	57,075	3/4	38,466	3/4	19,830	3/4	1,544	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	75,321	10	56,687	10	38,078	10	19,442	10	1,301	10		10		10		10		10	
1/4	74,933	1/4	56,299	1/4	37,689	1/4	19,054	1/4	1,059	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,545	1/2	55,912	1/2	37,301	1/2	18,665	1/2	816	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,156	3/4	55,524	3/4	36,913	3/4	18,277	3/4	671	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	73,768	11	55,137	11	36,525	11	17,889	11	525	11		11		11		11		11	
1/4	73,380	1/4	54,749	1/4	36,136	1/4	17,501	1/4	379	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,992	1/2	54,362	1/2	35,748	1/2	17,112	1/2	234	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,603	3/4	53,974	3/4	35,360	3/4	16,724	3/4	185	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: 07/23/2019 SW - JS
CALCULATED: 07/24/2019 CL
PRINTED: 07/27/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

