



BARGE "CBC 1701"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<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"

April 30, 2019

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

<http://www.pmacorp.net>



BARGE "CBC 1701"

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	15,727	0	34,562	0	53,238	0	71,957	0	90,763	0	109,568	0	128,351	0	147,162	0	165,973
1/4	88	1/4	16,119	1/4	34,954	1/4	53,624	1/4	72,349	1/4	91,155	1/4	109,960	1/4	128,743	1/4	147,554	1/4	166,365
1/2	137	1/2	16,512	1/2	35,346	1/2	54,010	1/2	72,741	1/2	91,546	1/2	110,351	1/2	129,135	1/2	147,946	1/2	166,757
3/4	186	3/4	16,904	3/4	35,738	3/4	54,396	3/4	73,132	3/4	91,938	3/4	110,742	3/4	129,527	3/4	148,338	3/4	167,149
1	235	1	17,297	1	36,130	1	54,782	1	73,524	1	92,330	1	111,133	1	129,918	1	148,730	1	167,541
1/4	383	1/4	17,689	1/4	36,522	1/4	55,169	1/4	73,916	1/4	92,722	1/4	111,525	1/4	130,310	1/4	149,122	1/4	167,932
1/2	530	1/2	18,081	1/2	36,914	1/2	55,555	1/2	74,308	1/2	93,113	1/2	111,916	1/2	130,702	1/2	149,514	1/2	168,324
3/4	677	3/4	18,474	3/4	37,306	3/4	55,941	3/4	74,700	3/4	93,505	3/4	112,307	3/4	131,094	3/4	149,906	3/4	168,715
2	824	2	18,866	2	37,698	2	56,327	2	75,091	2	93,897	2	112,698	2	131,486	2	150,297	2	169,107
1/4	1,069	1/4	19,259	1/4	38,090	1/4	56,714	1/4	75,483	1/4	94,289	1/4	113,089	1/4	131,878	1/4	150,689	1/4	169,498
1/2	1,315	1/2	19,651	1/2	38,482	1/2	57,100	1/2	75,875	1/2	94,681	1/2	113,480	1/2	132,270	1/2	151,081	1/2	169,889
3/4	1,560	3/4	20,044	3/4	38,874	3/4	57,487	3/4	76,267	3/4	95,072	3/4	113,872	3/4	132,662	3/4	151,473	3/4	170,281
3	1,805	3	20,436	3	39,266	3	57,874	3	76,659	3	95,464	3	114,263	3	133,054	3	151,865	3	170,672
1/4	2,149	1/4	20,829	1/4	39,658	1/4	58,260	1/4	77,050	1/4	95,856	1/4	114,654	1/4	133,446	1/4	152,257	1/4	171,064
1/2	2,492	1/2	21,221	1/2	40,050	1/2	58,647	1/2	77,442	1/2	96,248	1/2	115,045	1/2	133,837	1/2	152,649	1/2	171,455
3/4	2,835	3/4	21,614	3/4	40,442	3/4	59,033	3/4	77,834	3/4	96,639	3/4	115,436	3/4	134,229	3/4	153,041	3/4	171,846
4	3,179	4	22,006	4	40,834	4	59,420	4	78,226	4	97,031	4	115,827	4	134,621	4	153,433	4	172,238
1/4	3,569	1/4	22,398	1/4	41,226	1/4	59,812	1/4	78,617	1/4	97,423	1/4	116,219	1/4	135,013	1/4	153,825	1/4	172,629
1/2	3,960	1/2	22,791	1/2	41,618	1/2	60,204	1/2	79,009	1/2	97,815	1/2	116,610	1/2	135,405	1/2	154,217	1/2	173,021
3/4	4,350	3/4	23,183	3/4	42,010	3/4	60,595	3/4	79,401	3/4	98,207	3/4	117,001	3/4	135,797	3/4	154,608	3/4	173,412
5	4,741	5	23,576	5	42,402	5	60,987	5	79,793	5	98,598	5	117,392	5	136,189	5	155,000	5	173,804
1/4	5,133	1/4	23,968	1/4	42,794	1/4	61,379	1/4	80,185	1/4	98,990	1/4	117,783	1/4	136,581	1/4	155,392	1/4	174,195
1/2	5,525	1/2	24,361	1/2	43,185	1/2	61,771	1/2	80,576	1/2	99,382	1/2	118,174	1/2	136,973	1/2	155,784	1/2	174,586
3/4	5,916	3/4	24,753	3/4	43,577	3/4	62,163	3/4	80,968	3/4	99,774	3/4	118,566	3/4	137,365	3/4	156,176	3/4	174,978
6	6,308	6	25,146	6	43,969	6	62,554	6	81,360	6	100,166	6	118,957	6	137,757	6	156,568	6	175,369
1/4	6,701	1/4	25,538	1/4	44,356	1/4	62,946	1/4	81,752	1/4	100,557	1/4	119,348	1/4	138,148	1/4	156,960	1/4	175,761
1/2	7,093	1/2	25,930	1/2	44,742	1/2	63,338	1/2	82,143	1/2	100,949	1/2	119,739	1/2	138,540	1/2	157,352	1/2	176,152
3/4	7,485	3/4	26,323	3/4	45,128	3/4	63,730	3/4	82,535	3/4	101,341	3/4	120,130	3/4	138,932	3/4	157,744	3/4	176,543
7	7,878	7	26,715	7	45,514	7	64,121	7	82,927	7	101,733	7	120,521	7	139,324	7	158,136	7	176,935
1/4	8,270	1/4	27,108	1/4	45,900	1/4	64,513	1/4	83,319	1/4	102,124	1/4	120,913	1/4	139,716	1/4	158,527	1/4	177,279
1/2	8,663	1/2	27,500	1/2	46,286	1/2	64,905	1/2	83,711	1/2	102,516	1/2	121,304	1/2	140,108	1/2	158,919	1/2	177,622
3/4	9,055	3/4	27,893	3/4	46,673	3/4	65,297	3/4	84,102	3/4	102,908	3/4	121,695	3/4	140,500	3/4	159,311	3/4	177,966
8	9,448	8	28,285	8	47,059	8	65,689	8	84,494	8	103,300	8	122,086	8	140,892	8	159,703	8	178,310
1/4	9,840	1/4	28,678	1/4	47,445	1/4	66,080	1/4	84,886	1/4	103,692	1/4	122,477	1/4	141,284	1/4	160,095	1/4	178,654
1/2	10,233	1/2	29,070	1/2	47,831	1/2	66,472	1/2	85,278	1/2	104,083	1/2	122,868	1/2	141,676	1/2	160,487	1/2	178,998
3/4	10,625	3/4	29,462	3/4	48,217	3/4	66,864	3/4	85,670	3/4	104,475	3/4	123,260	3/4	142,067	3/4	160,879	3/4	179,341
9	11,017	9	29,855	9	48,604	9	67,256	9	86,061	9	104,867	9	123,651	9	142,459	9	161,271	9	179,685
1/4	11,410	1/4	30,247	1/4	48,990	1/4	67,647	1/4	86,453	1/4	105,259	1/4	124,042	1/4	142,851	1/4	161,663	1/4	180,029
1/2	11,802	1/2	30,640	1/2	49,376	1/2	68,039	1/2	86,845	1/2	105,651	1/2	124,433	1/2	143,243	1/2	162,055	1/2	180,373
3/4	12,195	3/4	31,032	3/4	49,762	3/4	68,431	3/4	87,237	3/4	106,042	3/4	124,824	3/4	143,635	3/4	162,447	3/4	180,717
10	12,587	10	31,425	10	50,148	10	68,823	10	87,628	10	106,434	10	125,216	10	144,027	10	162,838	10	181,061
1/4	12,980	1/4	31,817	1/4	50,534	1/4	69,215	1/4	88,020	1/4	106,826	1/4	125,607	1/4	144,419	1/4	163,230	1/4	181,404
1/2	13,372	1/2	32,210	1/2	50,921	1/2	69,606	1/2	88,412	1/2	107,218	1/2	125,999	1/2	144,811	1/2	163,622	1/2	181,748
3/4	13,765	3/4	32,602	3/4	51,307	3/4	69,998	3/4	88,804	3/4	107,609	3/4	126,391	3/4	145,203	3/4	164,014	3/4	182,092
11	14,157	11	32,995	11	51,693	11	70,390	11	89,196	11	108,001	11	126,783	11	145,595	11	164,406	11	182,436
1/4	14,549	1/4	33,386	1/4	52,079	1/4	70,782	1/4	89,587	1/4	108,393	1/4	127,175	1/4	145,987	1/4	164,798	1/4	182,780
1/2	14,942	1/2	33,778	1/2	52,465	1/2	71,174	1/2	89,979	1/2	108,785	1/2	127,567	1/2	146,378	1/2	165,190	1/2	183,123
3/4	15,334	3/4	34,170	3/4	52,852	3/4	71,565	3/4	90,371	3/4	109,177	3/4	127,959	3/4	146,770	3/4	165,582	3/4	183,467

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.

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 Pearland, Texas 77588
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BARGE "CBC 1701"

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	183,811	0	200,278	0	216,737	0	230,154	0		0		0		0		0		0	
1/4	184,155	1/4	200,621	1/4	217,080	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	184,499	1/2	200,964	1/2	217,423	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	184,843	3/4	201,307	3/4	217,766	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	185,186	1	201,649	1	218,109	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	185,530	1/4	201,992	1/4	218,452	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	185,874	1/2	202,335	1/2	218,795	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	186,218	3/4	202,678	3/4	219,138	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	186,562	2	203,021	2	219,480	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	186,905	1/4	203,364	1/4	219,823	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	187,247	1/2	203,707	1/2	220,166	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	187,590	3/4	204,050	3/4	220,509	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	187,933	3	204,393	3	220,852	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	188,276	1/4	204,736	1/4	221,195	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	188,619	1/2	205,078	1/2	221,538	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	188,962	3/4	205,421	3/4	221,881	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	189,305	4	205,764	4	222,224	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	189,648	1/4	206,107	1/4	222,567	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	189,991	1/2	206,450	1/2	222,909	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	190,334	3/4	206,793	3/4	223,252	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	190,677	5	207,136	5	223,595	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	191,019	1/4	207,479	1/4	223,938	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	191,362	1/2	207,822	1/2	224,281	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	191,705	3/4	208,165	3/4	224,624	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	192,048	6	208,508	6	224,966	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	192,391	1/4	208,850	1/4	225,297	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	192,734	1/2	209,193	1/2	225,629	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	193,077	3/4	209,536	3/4	225,960	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	193,420	7	209,879	7	226,291	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	193,763	1/4	210,222	1/4	226,615	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	194,106	1/2	210,565	1/2	226,939	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	194,448	3/4	210,908	3/4	227,263	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	194,791	8	211,251	8	227,587	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	195,134	1/4	211,594	1/4	227,845	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	195,477	1/2	211,937	1/2	228,104	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	195,820	3/4	212,279	3/4	228,362	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	196,163	9	212,622	9	228,621	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	196,506	1/4	212,965	1/4	228,814	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	196,849	1/2	213,308	1/2	229,007	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	197,192	3/4	213,651	3/4	229,200	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	197,535	10	213,994	10	229,394	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	197,878	1/4	214,337	1/4	229,521	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	198,220	1/2	214,680	1/2	229,649	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	198,563	3/4	215,023	3/4	229,777	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	198,906	11	215,366	11	229,904	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	199,249	1/4	215,709	1/4	229,967	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	199,592	1/2	216,051	1/2	230,029	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	199,935	3/4	216,394	3/4	230,091	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: 04/29/2019 SW - JS
CALCULATED: 04/30/2019 CL
PRINTED: 05/01/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

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



BARGE "CBC 1701"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 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	752	0	10,995	0	21,518	0	32,008	0	42,529	0	53,053	0	63,576	0	74,100	0	84,623	0	95,146
1/4	889	1/4	11,214	1/4	21,737	1/4	32,227	1/4	42,749	1/4	53,272	1/4	63,796	1/4	74,319	1/4	84,843	1/4	95,365
1/2	1,026	1/2	11,433	1/2	21,957	1/2	32,446	1/2	42,968	1/2	53,491	1/2	64,015	1/2	74,538	1/2	85,062	1/2	95,584
3/4	1,218	3/4	11,653	3/4	22,176	3/4	32,665	3/4	43,187	3/4	53,711	3/4	64,234	3/4	74,757	3/4	85,281	3/4	95,803
1	1,409	1	11,872	1	22,395	1	32,884	1	43,406	1	53,930	1	64,453	1	74,977	1	85,500	1	96,022
1/4	1,601	1/4	12,091	1/4	22,614	1/4	33,102	1/4	43,626	1/4	54,149	1/4	64,673	1/4	75,196	1/4	85,720	1/4	96,241
1/2	1,793	1/2	12,310	1/2	22,833	1/2	33,321	1/2	43,845	1/2	54,368	1/2	64,892	1/2	75,415	1/2	85,939	1/2	96,461
3/4	2,011	3/4	12,530	3/4	23,053	3/4	33,541	3/4	44,064	3/4	54,588	3/4	65,111	3/4	75,634	3/4	86,158	3/4	96,680
2	2,229	2	12,749	2	23,272	2	33,760	2	44,283	2	54,807	2	65,330	2	75,854	2	86,377	2	96,899
1/4	2,447	1/4	12,968	1/4	23,491	1/4	33,979	1/4	44,503	1/4	55,026	1/4	65,549	1/4	76,073	1/4	86,596	1/4	97,118
1/2	2,666	1/2	13,187	1/2	23,710	1/2	34,198	1/2	44,722	1/2	55,245	1/2	65,769	1/2	76,292	1/2	86,816	1/2	97,337
3/4	2,885	3/4	13,407	3/4	23,930	3/4	34,417	3/4	44,941	3/4	55,464	3/4	65,988	3/4	76,511	3/4	87,035	3/4	97,556
3	3,103	3	13,626	3	24,149	3	34,637	3	45,160	3	55,684	3	66,207	3	76,731	3	87,254	3	97,775
1/4	3,322	1/4	13,845	1/4	24,368	1/4	34,856	1/4	45,379	1/4	55,903	1/4	66,426	1/4	76,950	1/4	87,473	1/4	97,995
1/2	3,541	1/2	14,064	1/2	24,587	1/2	35,075	1/2	45,599	1/2	56,122	1/2	66,646	1/2	77,169	1/2	87,693	1/2	98,214
3/4	3,761	3/4	14,283	3/4	24,805	3/4	35,294	3/4	45,818	3/4	56,341	3/4	66,865	3/4	77,388	3/4	87,912	3/4	98,433
4	3,980	4	14,503	4	25,024	4	35,514	4	46,037	4	56,561	4	67,084	4	77,608	4	88,131	4	98,652
1/4	4,199	1/4	14,722	1/4	25,242	1/4	35,733	1/4	46,256	1/4	56,780	1/4	67,303	1/4	77,827	1/4	88,350	1/4	98,871
1/2	4,418	1/2	14,941	1/2	25,460	1/2	35,952	1/2	46,476	1/2	56,999	1/2	67,523	1/2	78,046	1/2	88,570	1/2	99,090
3/4	4,637	3/4	15,160	3/4	25,678	3/4	36,171	3/4	46,695	3/4	57,218	3/4	67,742	3/4	78,265	3/4	88,789	3/4	99,309
5	4,857	5	15,380	5	25,897	5	36,391	5	46,914	5	57,438	5	67,961	5	78,485	5	89,008	5	99,528
1/4	5,076	1/4	15,599	1/4	26,115	1/4	36,610	1/4	47,133	1/4	57,657	1/4	68,180	1/4	78,704	1/4	89,227	1/4	99,748
1/2	5,295	1/2	15,818	1/2	26,333	1/2	36,829	1/2	47,353	1/2	57,876	1/2	68,400	1/2	78,923	1/2	89,447	1/2	99,967
3/4	5,514	3/4	16,037	3/4	26,551	3/4	37,048	3/4	47,572	3/4	58,095	3/4	68,619	3/4	79,142	3/4	89,666	3/4	100,186
6	5,733	6	16,257	6	26,770	6	37,268	6	47,791	6	58,315	6	68,838	6	79,362	6	89,885	6	100,405
1/4	5,953	1/4	16,476	1/4	26,988	1/4	37,487	1/4	48,010	1/4	58,534	1/4	69,057	1/4	79,581	1/4	90,104	1/4	100,624
1/2	6,172	1/2	16,695	1/2	27,206	1/2	37,706	1/2	48,230	1/2	58,753	1/2	69,277	1/2	79,800	1/2	90,324	1/2	100,843
3/4	6,391	3/4	16,914	3/4	27,424	3/4	37,925	3/4	48,449	3/4	58,972	3/4	69,496	3/4	80,019	3/4	90,543	3/4	101,062
7	6,610	7	17,133	7	27,643	7	38,145	7	48,668	7	59,192	7	69,715	7	80,239	7	90,762	7	101,282
1/4	6,830	1/4	17,353	1/4	27,861	1/4	38,364	1/4	48,887	1/4	59,411	1/4	69,934	1/4	80,458	1/4	90,981	1/4	101,501
1/2	7,049	1/2	17,572	1/2	28,079	1/2	38,583	1/2	49,107	1/2	59,630	1/2	70,154	1/2	80,677	1/2	91,200	1/2	101,720
3/4	7,268	3/4	17,791	3/4	28,297	3/4	38,802	3/4	49,326	3/4	59,849	3/4	70,373	3/4	80,896	3/4	91,420	3/4	101,939
8	7,487	8	18,010	8	28,515	8	39,022	8	49,545	8	60,068	8	70,592	8	81,115	8	91,639	8	102,158
1/4	7,707	1/4	18,230	1/4	28,734	1/4	39,241	1/4	49,764	1/4	60,288	1/4	70,811	1/4	81,335	1/4	91,858	1/4	102,377
1/2	7,926	1/2	18,449	1/2	28,952	1/2	39,460	1/2	49,983	1/2	60,507	1/2	71,030	1/2	81,554	1/2	92,077	1/2	102,596
3/4	8,145	3/4	18,668	3/4	29,170	3/4	39,679	3/4	50,203	3/4	60,726	3/4	71,250	3/4	81,773	3/4	92,297	3/4	102,815
9	8,364	9	18,887	9	29,388	9	39,898	9	50,422	9	60,945	9	71,469	9	81,992	9	92,516	9	103,035
1/4	8,583	1/4	19,107	1/4	29,607	1/4	40,118	1/4	50,641	1/4	61,165	1/4	71,688	1/4	82,212	1/4	92,735	1/4	103,254
1/2	8,803	1/2	19,326	1/2	29,825	1/2	40,337	1/2	50,860	1/2	61,384	1/2	71,907	1/2	82,431	1/2	92,954	1/2	103,473
3/4	9,022	3/4	19,545	3/4	30,043	3/4	40,556	3/4	51,080	3/4	61,603	3/4	72,127	3/4	82,650	3/4	93,174	3/4	103,692
10	9,241	10	19,764	10	30,261	10	40,775	10	51,299	10	61,822	10	72,346	10	82,869	10	93,393	10	103,911
1/4	9,460	1/4	19,983	1/4	30,480	1/4	40,995	1/4	51,518	1/4	62,042	1/4	72,565	1/4	83,089	1/4	93,612	1/4	104,130
1/2	9,680	1/2	20,203	1/2	30,698	1/2	41,214	1/2	51,737	1/2	62,261	1/2	72,784	1/2	83,308	1/2	93,831	1/2	104,349
3/4	9,899	3/4	20,422	3/4	30,916	3/4	41,433	3/4	51,957	3/4	62,480	3/4	73,004	3/4	83,527	3/4	94,050	3/4	104,569
11	10,118	11	20,641	11	31,134	11	41,652	11	52,176	11	62,699	11	73,223	11	83,746	11	94,269	11	104,788
1/4	10,337	1/4	20,860	1/4	31,353	1/4	41,872	1/4	52,395	1/4	62,919	1/4	73,442	1/4	83,966	1/4	94,488	1/4	105,007
1/2	10,557	1/2	21,080	1/2	31,571	1/2	42,091	1/2	52,614	1/2	63,138	1/2	73,661	1/2	84,185	1/2	94,707	1/2	105,226
3/4	10,776	3/4	21,299	3/4	31,790	3/4	42,310	3/4	52,834	3/4	63,357	3/4	73,881	3/4	84,404	3/4	94,927	3/4	105,445

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

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "CBC 1701"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	105,883	1/4	116,385	1/4	126,875	1/4		1/4		1/4		1/4		1/4		1/4		1/4			
1/2	106,103	1/2	116,604	1/2	127,093	1/2		1/2		1/2		1/2		1/2		1/2		1/2			
3/4	106,322	3/4	116,822	3/4	127,312	3/4		3/4		3/4		3/4		3/4		3/4		3/4			
1	106,541	1	117,041	1	127,530	1															
1/4	106,760	1/4	117,260	1/4	127,749	1/4		1/4		1/4		1/4		1/4		1/4		1/4			
1/2	106,979	1/2	117,478	1/2	127,967	1/2		1/2		1/2		1/2		1/2		1/2		1/2			
3/4	107,198	3/4	117,697	3/4	128,186	3/4		3/4		3/4		3/4		3/4		3/4		3/4			
2	107,417	2	117,915	2	128,404	2															
1/4	107,636	1/4	118,134	1/4	128,623	1/4		1/4		1/4		1/4		1/4		1/4		1/4			
1/2	107,856	1/2	118,352	1/2	128,841	1/2		1/2		1/2		1/2		1/2		1/2		1/2			
3/4	108,075	3/4	118,571	3/4	129,060	3/4		3/4		3/4		3/4		3/4		3/4		3/4			
3	108,294	3	118,789	3	129,278	3															
1/4	108,513	1/4	119,008	1/4	129,497	1/4		1/4		1/4		1/4		1/4		1/4		1/4			
1/2	108,732	1/2	119,226	1/2	129,715	1/2		1/2		1/2		1/2		1/2		1/2		1/2			
3/4	108,951	3/4	119,445	3/4	129,927	3/4		3/4		3/4		3/4		3/4		3/4		3/4			
4	109,170	4	119,663	4	130,139	4															
1/4	109,390	1/4	119,882	1/4	130,351	1/4		1/4		1/4		1/4		1/4		1/4		1/4			
1/2	109,609	1/2	120,100	1/2	130,563	1/2		1/2		1/2		1/2		1/2		1/2		1/2			
3/4	109,828	3/4	120,319	3/4	130,743	3/4		3/4		3/4		3/4		3/4		3/4		3/4			
5	110,047	5	120,537	5	130,923	5															
1/4	110,266	1/4	120,756	1/4	131,104	1/4		1/4		1/4		1/4		1/4		1/4		1/4			
1/2	110,485	1/2	120,974	1/2	131,284	1/2		1/2		1/2		1/2		1/2		1/2		1/2			
3/4	110,704	3/4	121,193	3/4	131,428	3/4		3/4		3/4		3/4		3/4		3/4		3/4			
6	110,922	6	121,412	6	131,571	6															
1/4	111,141	1/4	121,630	1/4	131,715	1/4		1/4		1/4		1/4		1/4		1/4		1/4			
1/2	111,359	1/2	121,849	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2			
3/4	111,578	3/4	122,067	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4			
7	111,796	7	122,286	7		7															
1/4	112,015	1/4	122,504	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4			
1/2	112,233	1/2	122,723	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2			
3/4	112,452	3/4	122,941	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4			
8	112,670	8	123,160	8		8															
1/4	112,889	1/4	123,378	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4			
1/2	113,108	1/2	123,597	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2			
3/4	113,326	3/4	123,815	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4			
9	113,545	9	124,034	9		9															
1/4	113,763	1/4	124,252	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4			
1/2	113,982	1/2	124,471	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2			
3/4	114,200	3/4	124,689	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4			
10	114,419	10	124,908	10		10															
1/4	114,637	1/4	125,126	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4			
1/2	114,856	1/2	125,345	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2			
3/4	115,074	3/4	125,563	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4			
11	115,293	11	125,782	11		11															
1/4	115,511	1/4	126,001	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4			
1/2	115,730	1/2	126,219	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2			
3/4	115,948	3/4	126,438	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

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



BARGE "CBC 1701"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-07 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	751	0	10,986	0	21,501	0	31,729	0	42,196	0	52,711	0	63,226	0	73,741	0	84,256	0	94,770
1/4	888	1/4	11,205	1/4	21,720	1/4	31,940	1/4	42,415	1/4	52,930	1/4	63,445	1/4	73,960	1/4	84,475	1/4	94,989
1/2	1,025	1/2	11,424	1/2	21,939	1/2	32,151	1/2	42,634	1/2	53,149	1/2	63,664	1/2	74,179	1/2	84,694	1/2	95,208
3/4	1,217	3/4	11,643	3/4	22,158	3/4	32,362	3/4	42,854	3/4	53,369	3/4	63,883	3/4	74,398	3/4	84,913	3/4	95,427
1	1,408	1	11,862	1	22,377	1	32,573	1	43,073	1	53,588	1	64,103	1	74,617	1	85,132	1	95,646
1/4	1,600	1/4	12,081	1/4	22,596	1/4	32,785	1/4	43,292	1/4	53,807	1/4	64,322	1/4	74,837	1/4	85,352	1/4	95,865
1/2	1,792	1/2	12,300	1/2	22,815	1/2	32,996	1/2	43,511	1/2	54,026	1/2	64,541	1/2	75,056	1/2	85,571	1/2	96,084
3/4	2,010	3/4	12,519	3/4	23,034	3/4	33,215	3/4	43,730	3/4	54,245	3/4	64,760	3/4	75,275	3/4	85,790	3/4	96,303
2	2,228	2	12,739	2	23,253	2	33,434	2	43,949	2	54,464	2	64,979	2	75,494	2	86,009	2	96,522
1/4	2,446	1/4	12,958	1/4	23,472	1/4	33,653	1/4	44,168	1/4	54,683	1/4	65,198	1/4	75,713	1/4	86,228	1/4	96,741
1/2	2,663	1/2	13,177	1/2	23,691	1/2	33,872	1/2	44,387	1/2	54,902	1/2	65,417	1/2	75,932	1/2	86,447	1/2	96,960
3/4	2,882	3/4	13,396	3/4	23,910	3/4	34,091	3/4	44,606	3/4	55,121	3/4	65,636	3/4	76,151	3/4	86,666	3/4	97,179
3	3,101	3	13,615	3	24,129	3	34,310	3	44,825	3	55,340	3	65,855	3	76,370	3	86,885	3	97,398
1/4	3,320	1/4	13,834	1/4	24,348	1/4	34,529	1/4	45,044	1/4	55,559	1/4	66,074	1/4	76,589	1/4	87,104	1/4	97,617
1/2	3,538	1/2	14,053	1/2	24,567	1/2	34,748	1/2	45,263	1/2	55,778	1/2	66,293	1/2	76,808	1/2	87,323	1/2	97,836
3/4	3,757	3/4	14,272	3/4	24,786	3/4	34,967	3/4	45,482	3/4	55,997	3/4	66,512	3/4	77,027	3/4	87,542	3/4	98,055
4	3,976	4	14,491	4	24,989	4	35,186	4	45,701	4	56,216	4	66,731	4	77,246	4	87,761	4	98,273
1/4	4,196	1/4	14,710	1/4	25,199	1/4	35,405	1/4	45,920	1/4	56,435	1/4	66,950	1/4	77,465	1/4	87,980	1/4	98,492
1/2	4,415	1/2	14,929	1/2	25,410	1/2	35,625	1/2	46,139	1/2	56,654	1/2	67,169	1/2	77,684	1/2	88,199	1/2	98,711
3/4	4,634	3/4	15,148	3/4	25,620	3/4	35,844	3/4	46,359	3/4	56,873	3/4	67,388	3/4	77,903	3/4	88,418	3/4	98,930
5	4,853	5	15,367	5	25,831	5	36,063	5	46,578	5	57,093	5	67,608	5	78,122	5	88,637	5	99,149
1/4	5,072	1/4	15,586	1/4	26,042	1/4	36,282	1/4	46,797	1/4	57,312	1/4	67,827	1/4	78,342	1/4	88,857	1/4	99,368
1/2	5,291	1/2	15,805	1/2	26,252	1/2	36,501	1/2	47,016	1/2	57,531	1/2	68,046	1/2	78,561	1/2	89,076	1/2	99,587
3/4	5,510	3/4	16,024	3/4	26,463	3/4	36,720	3/4	47,235	3/4	57,750	3/4	68,265	3/4	78,780	3/4	89,295	3/4	99,806
6	5,729	6	16,243	6	26,673	6	36,939	6	47,454	6	57,969	6	68,484	6	78,999	6	89,514	6	100,025
1/4	5,948	1/4	16,462	1/4	26,884	1/4	37,158	1/4	47,673	1/4	58,188	1/4	68,703	1/4	79,218	1/4	89,733	1/4	100,244
1/2	6,167	1/2	16,681	1/2	27,094	1/2	37,377	1/2	47,892	1/2	58,407	1/2	68,922	1/2	79,437	1/2	89,952	1/2	100,463
3/4	6,386	3/4	16,901	3/4	27,305	3/4	37,596	3/4	48,111	3/4	58,626	3/4	69,141	3/4	79,656	3/4	90,171	3/4	100,682
7	6,605	7	17,120	7	27,516	7	37,815	7	48,330	7	58,845	7	69,360	7	79,875	7	90,390	7	100,901
1/4	6,824	1/4	17,339	1/4	27,726	1/4	38,034	1/4	48,549	1/4	59,064	1/4	69,579	1/4	80,094	1/4	90,609	1/4	101,120
1/2	7,043	1/2	17,558	1/2	27,937	1/2	38,253	1/2	48,768	1/2	59,283	1/2	69,798	1/2	80,313	1/2	90,828	1/2	101,339
3/4	7,262	3/4	17,777	3/4	28,147	3/4	38,472	3/4	48,987	3/4	59,502	3/4	70,017	3/4	80,532	3/4	91,047	3/4	101,558
8	7,481	8	17,996	8	28,358	8	38,691	8	49,206	8	59,721	8	70,236	8	80,751	8	91,266	8	101,777
1/4	7,700	1/4	18,215	1/4	28,569	1/4	38,910	1/4	49,425	1/4	59,940	1/4	70,455	1/4	80,970	1/4	91,485	1/4	101,996
1/2	7,919	1/2	18,434	1/2	28,779	1/2	39,129	1/2	49,644	1/2	60,159	1/2	70,674	1/2	81,189	1/2	91,704	1/2	102,215
3/4	8,138	3/4	18,653	3/4	28,990	3/4	39,349	3/4	49,864	3/4	60,378	3/4	70,893	3/4	81,408	3/4	91,923	3/4	102,434
9	8,357	9	18,872	9	29,200	9	39,568	9	50,083	9	60,598	9	71,113	9	81,627	9	92,142	9	102,653
1/4	8,577	1/4	19,091	1/4	29,411	1/4	39,787	1/4	50,302	1/4	60,817	1/4	71,332	1/4	81,847	1/4	92,361	1/4	102,872
1/2	8,796	1/2	19,310	1/2	29,622	1/2	40,006	1/2	50,521	1/2	61,036	1/2	71,551	1/2	82,066	1/2	92,581	1/2	103,091
3/4	9,015	3/4	19,529	3/4	29,832	3/4	40,225	3/4	50,740	3/4	61,255	3/4	71,770	3/4	82,285	3/4	92,800	3/4	103,309
10	9,234	10	19,748	10	30,043	10	40,444	10	50,959	10	61,474	10	71,989	10	82,504	10	93,018	10	103,528
1/4	9,453	1/4	19,967	1/4	30,253	1/4	40,663	1/4	51,178	1/4	61,693	1/4	72,208	1/4	82,723	1/4	93,237	1/4	103,747
1/2	9,672	1/2	20,186	1/2	30,464	1/2	40,882	1/2	51,397	1/2	61,912	1/2	72,427	1/2	82,942	1/2	93,456	1/2	103,966
3/4	9,891	3/4	20,405	3/4	30,675	3/4	41,101	3/4	51,616	3/4	62,131	3/4	72,646	3/4	83,161	3/4	93,675	3/4	104,185
11	10,110	11	20,624	11	30,885	11	41,320	11	51,835	11	62,350	11	72,865	11	83,380	11	93,894	11	104,404
1/4	10,329	1/4	20,843	1/4	31,096	1/4	41,539	1/4	52,054	1/4	62,569	1/4	73,084	1/4	83,599	1/4	94,113	1/4	104,623
1/2	10,548	1/2	21,063	1/2	31,306	1/2	41,758	1/2	52,273	1/2	62,788	1/2	73,303	1/2	83,818	1/2	94,332	1/2	104,842
3/4	10,767	3/4	21,282	3/4	31,518	3/4	41,977	3/4	52,492	3/4	63,007	3/4	73,522	3/4	84,037	3/4	94,551	3/4	105,061

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
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BARGE "CBC 1701"

**2 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-07 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	105,280	0	115,774	0	126,255	0		0		0		0		0		0		0	
1/4	105,499	1/4	115,993	1/4	126,473	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	105,718	1/2	116,211	1/2	126,692	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	105,937	3/4	116,429	3/4	126,910	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	106,156	1	116,648	1	127,128	1		1		1		1		1		1		1	
1/4	106,375	1/4	116,866	1/4	127,347	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	106,594	1/2	117,084	1/2	127,565	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	106,813	3/4	117,303	3/4	127,783	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	107,032	2	117,521	2	128,002	2		2		2		2		2		2		2	
1/4	107,251	1/4	117,739	1/4	128,220	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	107,470	1/2	117,958	1/2	128,438	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	107,689	3/4	118,176	3/4	128,657	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	107,908	3	118,394	3	128,875	3		3		3		3		3		3		3	
1/4	108,127	1/4	118,613	1/4	129,093	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	108,346	1/2	118,831	1/2	129,312	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	108,564	3/4	119,049	3/4	129,523	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	108,783	4	119,268	4	129,735	4		4		4		4		4		4		4	
1/4	109,002	1/4	119,486	1/4	129,947	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	109,221	1/2	119,705	1/2	130,159	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	109,440	3/4	119,923	3/4	130,339	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	109,659	5	120,141	5	130,519	5		5		5		5		5		5		5	
1/4	109,878	1/4	120,360	1/4	130,699	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	110,097	1/2	120,578	1/2	130,879	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	110,316	3/4	120,796	3/4	131,023	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	110,534	6	121,015	6	131,166	6		6		6		6		6		6		6	
1/4	110,752	1/4	121,233	1/4	131,310	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	110,971	1/2	121,451	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	111,189	3/4	121,670	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	111,407	7	121,888	7		7		7		7		7		7		7		7	
1/4	111,626	1/4	122,106	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,844	1/2	122,325	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,062	3/4	122,543	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	112,281	8	122,761	8		8		8		8		8		8		8		8	
1/4	112,499	1/4	122,980	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,717	1/2	123,198	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,936	3/4	123,416	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	113,154	9	123,635	9		9		9		9		9		9		9		9	
1/4	113,372	1/4	123,853	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,591	1/2	124,071	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,809	3/4	124,290	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	114,027	10	124,508	10		10		10		10		10		10		10		10	
1/4	114,246	1/4	124,727	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,464	1/2	124,945	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,683	3/4	125,163	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	114,901	11	125,382	11		11		11		11		11		11		11		11	
1/4	115,119	1/4	125,600	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	115,338	1/2	125,818	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,556	3/4	126,037	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: 04/29/2019 SW - JS
CALCULATED: 04/30/2019 CL
PRINTED: 05/01/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

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



BARGE "CBC 1701"

3 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	15,608	0	34,304	0	52,980	0	71,666	0	90,361	0	109,057	0	127,753	0	146,448	0	165,142
1/4	88	1/4	15,998	1/4	34,693	1/4	53,368	1/4	72,055	1/4	90,751	1/4	109,447	1/4	128,142	1/4	146,837	1/4	165,532
1/2	137	1/2	16,387	1/2	35,083	1/2	53,757	1/2	72,445	1/2	91,140	1/2	109,836	1/2	128,532	1/2	147,227	1/2	165,921
3/4	185	3/4	16,777	3/4	35,472	3/4	54,146	3/4	72,834	3/4	91,530	3/4	110,226	3/4	128,921	3/4	147,616	3/4	166,310
1	234	1	17,166	1	35,862	1	54,534	1	73,224	1	91,919	1	110,615	1	129,311	1	148,005	1	166,699
1/4	380	1/4	17,556	1/4	36,251	1/4	54,923	1/4	73,613	1/4	92,309	1/4	111,005	1/4	129,700	1/4	148,395	1/4	167,089
1/2	526	1/2	17,945	1/2	36,641	1/2	55,312	1/2	74,003	1/2	92,698	1/2	111,394	1/2	130,090	1/2	148,784	1/2	167,478
3/4	672	3/4	18,335	3/4	37,030	3/4	55,700	3/4	74,392	3/4	93,088	3/4	111,784	3/4	130,479	3/4	149,174	3/4	167,867
2	818	2	18,724	2	37,419	2	56,089	2	74,782	2	93,477	2	112,173	2	130,869	2	149,563	2	168,257
1/4	1,062	1/4	19,114	1/4	37,809	1/4	56,478	1/4	75,171	1/4	93,867	1/4	112,563	1/4	131,258	1/4	149,953	1/4	168,646
1/2	1,305	1/2	19,503	1/2	38,198	1/2	56,867	1/2	75,561	1/2	94,256	1/2	112,952	1/2	131,648	1/2	150,342	1/2	169,035
3/4	1,549	3/4	19,893	3/4	38,588	3/4	57,256	3/4	75,950	3/4	94,646	3/4	113,342	3/4	132,037	3/4	150,732	3/4	169,425
3	1,792	3	20,282	3	38,977	3	57,646	3	76,340	3	95,035	3	113,731	3	132,427	3	151,121	3	169,814
1/4	2,133	1/4	20,672	1/4	39,367	1/4	58,035	1/4	76,729	1/4	95,425	1/4	114,121	1/4	132,816	1/4	151,511	1/4	170,203
1/2	2,473	1/2	21,061	1/2	39,756	1/2	58,424	1/2	77,119	1/2	95,814	1/2	114,510	1/2	133,205	1/2	151,900	1/2	170,592
3/4	2,814	3/4	21,451	3/4	40,146	3/4	58,813	3/4	77,508	3/4	96,204	3/4	114,900	3/4	133,595	3/4	152,290	3/4	170,982
4	3,155	4	21,840	4	40,535	4	59,202	4	77,898	4	96,593	4	115,289	4	133,984	4	152,679	4	171,371
1/4	3,542	1/4	22,230	1/4	40,925	1/4	59,591	1/4	78,287	1/4	96,983	1/4	115,679	1/4	134,374	1/4	153,069	1/4	171,760
1/2	3,930	1/2	22,619	1/2	41,314	1/2	59,981	1/2	78,677	1/2	97,372	1/2	116,068	1/2	134,763	1/2	153,458	1/2	172,150
3/4	4,318	3/4	23,009	3/4	41,704	3/4	60,370	3/4	79,066	3/4	97,762	3/4	116,458	3/4	135,153	3/4	153,848	3/4	172,539
5	4,705	5	23,398	5	42,093	5	60,760	5	79,456	5	98,151	5	116,847	5	135,542	5	154,237	5	172,928
1/4	5,094	1/4	23,788	1/4	42,483	1/4	61,149	1/4	79,845	1/4	98,541	1/4	117,237	1/4	135,932	1/4	154,627	1/4	173,317
1/2	5,483	1/2	24,177	1/2	42,872	1/2	61,539	1/2	80,235	1/2	98,930	1/2	117,626	1/2	136,321	1/2	155,016	1/2	173,707
3/4	5,872	3/4	24,566	3/4	43,262	3/4	61,928	3/4	80,624	3/4	99,320	3/4	118,016	3/4	136,711	3/4	155,405	3/4	174,096
6	6,261	6	24,956	6	43,651	6	62,318	6	81,014	6	99,709	6	118,405	6	137,100	6	155,795	6	174,485
1/4	6,650	1/4	25,345	1/4	44,040	1/4	62,707	1/4	81,403	1/4	100,099	1/4	118,795	1/4	137,490	1/4	156,184	1/4	174,875
1/2	7,040	1/2	25,735	1/2	44,429	1/2	63,097	1/2	81,793	1/2	100,488	1/2	119,184	1/2	137,879	1/2	156,574	1/2	175,264
3/4	7,429	3/4	26,124	3/4	44,817	3/4	63,486	3/4	82,182	3/4	100,878	3/4	119,573	3/4	138,269	3/4	156,963	3/4	175,653
7	7,819	7	26,514	7	45,206	7	63,876	7	82,572	7	101,267	7	119,963	7	138,658	7	157,353	7	176,042
1/4	8,208	1/4	26,903	1/4	45,595	1/4	64,265	1/4	82,961	1/4	101,657	1/4	120,352	1/4	139,048	1/4	157,742	1/4	176,432
1/2	8,598	1/2	27,293	1/2	45,983	1/2	64,655	1/2	83,351	1/2	102,046	1/2	120,742	1/2	139,437	1/2	158,132	1/2	176,821
3/4	8,987	3/4	27,682	3/4	46,372	3/4	65,044	3/4	83,740	3/4	102,436	3/4	121,131	3/4	139,827	3/4	158,521	3/4	177,210
8	9,377	8	28,072	8	46,761	8	65,434	8	84,130	8	102,825	8	121,521	8	140,216	8	158,911	8	177,600
1/4	9,766	1/4	28,461	1/4	47,149	1/4	65,823	1/4	84,519	1/4	103,215	1/4	121,910	1/4	140,605	1/4	159,300	1/4	177,989
1/2	10,156	1/2	28,851	1/2	47,538	1/2	66,213	1/2	84,909	1/2	103,604	1/2	122,300	1/2	140,995	1/2	159,690	1/2	178,378
3/4	10,545	3/4	29,240	3/4	47,927	3/4	66,602	3/4	85,298	3/4	103,994	3/4	122,689	3/4	141,384	3/4	160,079	3/4	178,768
9	10,935	9	29,630	9	48,315	9	66,992	9	85,688	9	104,383	9	123,079	9	141,774	9	160,469	9	179,157
1/4	11,324	1/4	30,019	1/4	48,704	1/4	67,381	1/4	86,077	1/4	104,773	1/4	123,468	1/4	142,163	1/4	160,858	1/4	179,546
1/2	11,714	1/2	30,409	1/2	49,093	1/2	67,771	1/2	86,467	1/2	105,162	1/2	123,858	1/2	142,553	1/2	161,248	1/2	179,935
3/4	12,103	3/4	30,798	3/4	49,482	3/4	68,160	3/4	86,856	3/4	105,552	3/4	124,247	3/4	142,942	3/4	161,637	3/4	180,325
10	12,492	10	31,188	10	49,870	10	68,550	10	87,246	10	105,941	10	124,637	10	143,332	10	162,027	10	180,714
1/4	12,882	1/4	31,577	1/4	50,259	1/4	68,939	1/4	87,635	1/4	106,331	1/4	125,026	1/4	143,721	1/4	162,416	1/4	181,103
1/2	13,271	1/2	31,967	1/2	50,648	1/2	69,329	1/2	88,025	1/2	106,720	1/2	125,416	1/2	144,111	1/2	162,805	1/2	181,493
3/4	13,661	3/4	32,356	3/4	51,036	3/4	69,718	3/4	88,414	3/4	107,110	3/4	125,805	3/4	144,500	3/4	163,194	3/4	181,882
11	14,050	11	32,746	11	51,425	11	70,108	11	88,803	11	107,499	11	126,195	11	144,890	11	163,584	11	182,271
1/4	14,440	1/4	33,135	1/4	51,814	1/4	70,497	1/4	89,193	1/4	107,889	1/4	126,584	1/4	145,279	1/4	163,974	1/4	182,660
1/2	14,829	1/2	33,525	1/2	52,202	1/2	70,887	1/2	89,582	1/2	108,278	1/2	126,974	1/2	145,669	1/2	164,363	1/2	183,050
3/4	15,219	3/4	33,914	3/4	52,591	3/4	71,276	3/4	89,972	3/4	108,668	3/4	127,363	3/4	146,058	3/4	164,753	3/4	183,439

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 30'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
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BARGE "CBC 1701"

3 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	183,828	0	202,506	0	221,166	0	235,897	0		0		0		0		0		0	
1/4	184,218	1/4	202,895	1/4	221,555	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	184,607	1/2	203,283	1/2	221,944	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	184,996	3/4	203,672	3/4	222,332	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	185,385	1	204,061	1	222,721	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	185,775	1/4	204,450	1/4	223,110	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	186,164	1/2	204,838	1/2	223,499	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	186,553	3/4	205,227	3/4	223,887	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	186,943	2	205,616	2	224,276	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	187,332	1/4	206,005	1/4	224,665	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	187,721	1/2	206,393	1/2	225,054	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	188,111	3/4	206,782	3/4	225,443	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	188,500	3	207,171	3	225,831	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	188,889	1/4	207,560	1/4	226,220	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	189,278	1/2	207,948	1/2	226,609	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	189,668	3/4	208,337	3/4	226,998	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	190,057	4	208,726	4	227,386	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	190,446	1/4	209,115	1/4	227,775	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	190,836	1/2	209,503	1/2	228,164	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	191,225	3/4	209,892	3/4	228,553	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	191,614	5	210,281	5	228,941	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	192,003	1/4	210,670	1/4	229,330	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	192,393	1/2	211,058	1/2	229,719	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	192,782	3/4	211,447	3/4	230,107	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	193,171	6	211,836	6	230,496	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	193,561	1/4	212,225	1/4	230,886	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	193,950	1/2	212,614	1/2	231,275	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	194,339	3/4	213,002	3/4	231,664	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	194,728	7	213,391	7	232,053	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	195,118	1/4	213,780	1/4	232,442	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	195,507	1/2	214,169	1/2	232,831	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	195,896	3/4	214,557	3/4	233,220	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	196,286	8	214,946	8	233,609	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	196,674	1/4	215,335	1/4	233,998	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	197,063	1/2	215,724	1/2	234,387	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	197,452	3/4	216,112	3/4	234,776	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	197,841	9	216,501	9	235,165	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	198,229	1/4	216,890	1/4	235,554	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	198,618	1/2	217,279	1/2	235,943	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	199,007	3/4	217,667	3/4	236,332	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	199,396	10	218,056	10	236,721	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	199,784	1/4	218,445	1/4	237,110	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	200,173	1/2	218,834	1/2	237,499	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	200,562	3/4	219,222	3/4	237,888	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	200,951	11	219,611	11	238,277	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	201,340	1/4	220,000	1/4	238,666	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	201,728	1/2	220,389	1/2	239,055	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	202,117	3/4	220,777	3/4	239,444	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: 04/29/2019 SW - JS
CALCULATED: 04/30/2019 CL
PRINTED: 05/01/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1701"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<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"

LENGTH BETWEEN DRAFT MARKS: 162'-09"

April 30, 2019

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

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BARGE "CBC 1701"

1 CENTER ULLAGE 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		0		0		0	217,766	0	201,307	0	184,843	0	167,149	0	148,338	0	129,527	0	110,742
1/4		1/4		1/4		1/4	217,423	1/4	200,964	1/4	184,499	1/4	166,757	1/4	147,946	1/4	129,135	1/4	110,351
1/2		1/2		1/2		1/2	217,080	1/2	200,621	1/2	184,155	1/2	166,365	1/2	147,554	1/2	128,743	1/2	109,960
3/4		3/4		3/4	230,154	3/4	216,737	3/4	200,278	3/4	183,811	3/4	165,973	3/4	147,162	3/4	128,351	3/4	109,568
1		1		1	230,091	1	216,394	1	199,935	1	183,467	1	165,582	1	146,770	1	127,959	1	109,177
1/4		1/4		1/4	230,029	1/4	216,051	1/4	199,592	1/4	183,123	1/4	165,190	1/4	146,378	1/4	127,567	1/4	108,785
1/2		1/2		1/2	229,967	1/2	215,709	1/2	199,249	1/2	182,780	1/2	164,798	1/2	145,987	1/2	127,175	1/2	108,393
3/4		3/4		3/4	229,904	3/4	215,366	3/4	198,906	3/4	182,436	3/4	164,406	3/4	145,595	3/4	126,783	3/4	108,001
2		2		2	229,777	2	215,023	2	198,563	2	182,092	2	164,014	2	145,203	2	126,391	2	107,609
1/4		1/4		1/4	229,649	1/4	214,680	1/4	198,220	1/4	181,748	1/4	163,622	1/4	144,811	1/4	125,999	1/4	107,218
1/2		1/2		1/2	229,521	1/2	214,337	1/2	197,878	1/2	181,404	1/2	163,230	1/2	144,419	1/2	125,607	1/2	106,826
3/4		3/4		3/4	229,394	3/4	213,994	3/4	197,535	3/4	181,061	3/4	162,838	3/4	144,027	3/4	125,216	3/4	106,434
3		3		3	229,200	3	213,651	3	197,192	3	180,717	3	162,447	3	143,635	3	124,824	3	106,042
1/4		1/4		1/4	229,007	1/4	213,308	1/4	196,849	1/4	180,373	1/4	162,055	1/4	143,243	1/4	124,433	1/4	105,651
1/2		1/2		1/2	228,814	1/2	212,965	1/2	196,506	1/2	180,029	1/2	161,663	1/2	142,851	1/2	124,042	1/2	105,259
3/4		3/4		3/4	228,621	3/4	212,622	3/4	196,163	3/4	179,685	3/4	161,271	3/4	142,459	3/4	123,651	3/4	104,867
4		4		4	228,362	4	212,279	4	195,820	4	179,341	4	160,879	4	142,067	4	123,260	4	104,475
1/4		1/4		1/4	228,104	1/4	211,937	1/4	195,477	1/4	178,998	1/4	160,487	1/4	141,676	1/4	122,868	1/4	104,083
1/2		1/2		1/2	227,845	1/2	211,594	1/2	195,134	1/2	178,654	1/2	160,095	1/2	141,284	1/2	122,477	1/2	103,692
3/4		3/4		3/4	227,587	3/4	211,251	3/4	194,791	3/4	178,310	3/4	159,703	3/4	140,892	3/4	122,086	3/4	103,300
5		5		5	227,263	5	210,908	5	194,448	5	177,966	5	159,311	5	140,500	5	121,695	5	102,908
1/4		1/4		1/4	226,939	1/4	210,565	1/4	194,106	1/4	177,622	1/4	158,919	1/4	140,108	1/4	121,304	1/4	102,516
1/2		1/2		1/2	226,615	1/2	210,222	1/2	193,763	1/2	177,279	1/2	158,527	1/2	139,716	1/2	120,913	1/2	102,124
3/4		3/4		3/4	226,291	3/4	209,879	3/4	193,420	3/4	176,935	3/4	158,136	3/4	139,324	3/4	120,521	3/4	101,733
6		6		6	225,960	6	209,536	6	193,077	6	176,543	6	157,744	6	138,932	6	120,130	6	101,341
1/4		1/4		1/4	225,629	1/4	209,193	1/4	192,734	1/4	176,152	1/4	157,352	1/4	138,540	1/4	119,739	1/4	100,949
1/2		1/2		1/2	225,297	1/2	208,850	1/2	192,391	1/2	175,761	1/2	156,960	1/2	138,148	1/2	119,348	1/2	100,557
3/4		3/4		3/4	224,966	3/4	208,508	3/4	192,048	3/4	175,369	3/4	156,568	3/4	137,757	3/4	118,957	3/4	100,166
7		7		7	224,624	7	208,165	7	191,705	7	174,978	7	156,176	7	137,365	7	118,566	7	99,774
1/4		1/4		1/4	224,281	1/4	207,822	1/4	191,362	1/4	174,586	1/4	155,784	1/4	136,973	1/4	118,174	1/4	99,382
1/2		1/2		1/2	223,938	1/2	207,479	1/2	191,019	1/2	174,195	1/2	155,392	1/2	136,581	1/2	117,783	1/2	98,990
3/4		3/4		3/4	223,595	3/4	207,136	3/4	190,677	3/4	173,804	3/4	155,000	3/4	136,189	3/4	117,392	3/4	98,598
8		8		8	223,252	8	206,793	8	190,334	8	173,412	8	154,608	8	135,797	8	117,001	8	98,207
1/4		1/4		1/4	222,909	1/4	206,450	1/4	189,991	1/4	173,021	1/4	154,217	1/4	135,405	1/4	116,610	1/4	97,815
1/2		1/2		1/2	222,567	1/2	206,107	1/2	189,648	1/2	172,629	1/2	153,825	1/2	135,013	1/2	116,219	1/2	97,423
3/4		3/4		3/4	222,224	3/4	205,764	3/4	189,305	3/4	172,238	3/4	153,433	3/4	134,621	3/4	115,827	3/4	97,031
9		9		9	221,881	9	205,421	9	188,962	9	171,846	9	153,041	9	134,229	9	115,436	9	96,639
1/4		1/4		1/4	221,538	1/4	205,078	1/4	188,619	1/4	171,455	1/4	152,649	1/4	133,837	1/4	115,045	1/4	96,248
1/2		1/2		1/2	221,195	1/2	204,736	1/2	188,276	1/2	171,064	1/2	152,257	1/2	133,446	1/2	114,654	1/2	95,856
3/4		3/4		3/4	220,852	3/4	204,393	3/4	187,933	3/4	170,672	3/4	151,865	3/4	133,054	3/4	114,263	3/4	95,464
10		10		10	220,509	10	204,050	10	187,590	10	170,281	10	151,473	10	132,662	10	113,872	10	95,072
1/4		1/4		1/4	220,166	1/4	203,707	1/4	187,247	1/4	169,889	1/4	151,081	1/4	132,270	1/4	113,480	1/4	94,681
1/2		1/2		1/2	219,823	1/2	203,364	1/2	186,905	1/2	169,498	1/2	150,689	1/2	131,878	1/2	113,089	1/2	94,289
3/4		3/4		3/4	219,480	3/4	203,021	3/4	186,562	3/4	169,107	3/4	150,297	3/4	131,486	3/4	112,698	3/4	93,897
11		11		11	219,138	11	202,678	11	186,218	11	168,715	11	149,906	11	131,094	11	112,307	11	93,505
1/4		1/4		1/4	218,795	1/4	202,335	1/4	185,874	1/4	168,324	1/4	149,514	1/4	130,702	1/4	111,916	1/4	93,113
1/2		1/2		1/2	218,452	1/2	201,992	1/2	185,530	1/2	167,932	1/2	149,122	1/2	130,310	1/2	111,525	1/2	92,722
3/4		3/4		3/4	218,109	3/4	201,649	3/4	185,186	3/4	167,541	3/4	148,730	3/4	129,918	3/4	111,133	3/4	92,330

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
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BARGE "CBC 1701"

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	91,938	0	73,132	0	54,396	0	35,738	0	16,904	0	186	0		0		0		0	
1/4	91,546	1/4	72,741	1/4	54,010	1/4	35,346	1/4	16,512	1/4	137	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,155	1/2	72,349	1/2	53,624	1/2	34,954	1/2	16,119	1/2	88	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,763	3/4	71,957	3/4	53,238	3/4	34,562	3/4	15,727	3/4	39	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	90,371	1	71,565	1	52,852	1	34,170	1	15,334	1		1	1	1	1	1	1	1	1
1/4	89,979	1/4	71,174	1/4	52,465	1/4	33,778	1/4	14,942	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,587	1/2	70,782	1/2	52,079	1/2	33,386	1/2	14,549	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,196	3/4	70,390	3/4	51,693	3/4	32,995	3/4	14,157	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	88,804	2	69,998	2	51,307	2	32,602	2	13,765	2		2	2	2	2	2	2	2	2
1/4	88,412	1/4	69,606	1/4	50,921	1/4	32,210	1/4	13,372	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,020	1/2	69,215	1/2	50,534	1/2	31,817	1/2	12,980	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,628	3/4	68,823	3/4	50,148	3/4	31,425	3/4	12,587	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	87,237	3	68,431	3	49,762	3	31,032	3	12,195	3		3	3	3	3	3	3	3	3
1/4	86,845	1/4	68,039	1/4	49,376	1/4	30,640	1/4	11,802	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,453	1/2	67,647	1/2	48,990	1/2	30,247	1/2	11,410	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,061	3/4	67,256	3/4	48,604	3/4	29,855	3/4	11,017	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	85,670	4	66,864	4	48,217	4	29,462	4	10,625	4		4	4	4	4	4	4	4	4
1/4	85,278	1/4	66,472	1/4	47,831	1/4	29,070	1/4	10,233	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,886	1/2	66,080	1/2	47,445	1/2	28,678	1/2	9,840	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,494	3/4	65,689	3/4	47,059	3/4	28,285	3/4	9,448	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	84,102	5	65,297	5	46,673	5	27,893	5	9,055	5		5	5	5	5	5	5	5	5
1/4	83,711	1/4	64,905	1/4	46,286	1/4	27,500	1/4	8,663	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,319	1/2	64,513	1/2	45,900	1/2	27,108	1/2	8,270	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,927	3/4	64,121	3/4	45,514	3/4	26,715	3/4	7,878	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	82,535	6	63,730	6	45,128	6	26,323	6	7,485	6		6	6	6	6	6	6	6	6
1/4	82,143	1/4	63,338	1/4	44,742	1/4	25,930	1/4	7,093	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,752	1/2	62,946	1/2	44,356	1/2	25,538	1/2	6,701	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,360	3/4	62,554	3/4	43,969	3/4	25,146	3/4	6,308	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	80,968	7	62,163	7	43,577	7	24,753	7	5,916	7		7	7	7	7	7	7	7	7
1/4	80,576	1/4	61,771	1/4	43,185	1/4	24,361	1/4	5,525	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,185	1/2	61,379	1/2	42,794	1/2	23,968	1/2	5,133	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,793	3/4	60,987	3/4	42,402	3/4	23,576	3/4	4,741	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	79,401	8	60,595	8	42,010	8	23,183	8	4,350	8		8	8	8	8	8	8	8	8
1/4	79,009	1/4	60,204	1/4	41,618	1/4	22,791	1/4	3,960	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,617	1/2	59,812	1/2	41,226	1/2	22,398	1/2	3,569	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,226	3/4	59,420	3/4	40,834	3/4	22,006	3/4	3,179	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	77,834	9	59,033	9	40,442	9	21,614	9	2,835	9		9	9	9	9	9	9	9	9
1/4	77,442	1/4	58,647	1/4	40,050	1/4	21,221	1/4	2,492	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,050	1/2	58,260	1/2	39,658	1/2	20,829	1/2	2,149	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,659	3/4	57,874	3/4	39,266	3/4	20,436	3/4	1,805	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	76,267	10	57,487	10	38,874	10	20,044	10	1,560	10		10	10	10	10	10	10	10	10
1/4	75,875	1/4	57,100	1/4	38,482	1/4	19,651	1/4	1,315	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,483	1/2	56,714	1/2	38,090	1/2	19,259	1/2	1,069	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,091	3/4	56,327	3/4	37,698	3/4	18,866	3/4	824	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	74,700	11	55,941	11	37,306	11	18,474	11	677	11		11	11	11	11	11	11	11	11
1/4	74,308	1/4	55,555	1/4	36,914	1/4	18,081	1/4	530	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,916	1/2	55,169	1/2	36,522	1/2	17,689	1/2	383	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,524	3/4	54,782	3/4	36,130	3/4	17,297	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: 04/29/2019 SW - JS
CALCULATED: 04/30/2019 CL
PRINTED: 05/01/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1701"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	122,067	0	111,578	0	101,062	0	90,543	0	80,019	0	69,496	0	58,972		
1/4		1/4		1/4	121,849	1/4	111,359	1/4	100,843	1/4	90,324	1/4	79,800	1/4	69,277	1/4	58,753		
1/2		1/2		1/2	131,715	1/2	121,630	1/2	111,141	1/2	100,624	1/2	90,104	1/2	79,581	1/2	69,057	1/2	58,534
3/4		3/4		3/4	131,571	3/4	121,412	3/4	110,922	3/4	100,405	3/4	89,885	3/4	79,362	3/4	68,838	3/4	58,315
1	1	1	1	131,428	1	121,193	1	110,704	1	100,186	1	89,666	1	79,142	1	68,619	1	58,095	
1/4		1/4		1/4	131,284	1/4	120,974	1/4	110,485	1/4	99,967	1/4	89,447	1/4	78,923	1/4	68,400	1/4	57,876
1/2		1/2		1/2	131,104	1/2	120,756	1/2	110,266	1/2	99,748	1/2	89,227	1/2	78,704	1/2	68,180	1/2	57,657
3/4		3/4		3/4	130,923	3/4	120,537	3/4	110,047	3/4	99,528	3/4	89,008	3/4	78,485	3/4	67,961	3/4	57,438
2	2	2	2	130,743	2	120,319	2	109,828	2	99,309	2	88,789	2	78,265	2	67,742	2	57,218	
1/4		1/4		1/4	130,563	1/4	120,100	1/4	109,609	1/4	99,090	1/4	88,570	1/4	78,046	1/4	67,523	1/4	56,999
1/2		1/2		1/2	130,351	1/2	119,882	1/2	109,390	1/2	98,871	1/2	88,350	1/2	77,827	1/2	67,303	1/2	56,780
3/4		3/4		3/4	130,139	3/4	119,663	3/4	109,170	3/4	98,652	3/4	88,131	3/4	77,608	3/4	67,084	3/4	56,561
3	3	3	3	129,927	3	119,445	3	108,951	3	98,433	3	87,912	3	77,388	3	66,865	3	56,341	
1/4		1/4		1/4	129,715	1/4	119,226	1/4	108,732	1/4	98,214	1/4	87,693	1/4	77,169	1/4	66,646	1/4	56,122
1/2		1/2		1/2	129,497	1/2	119,008	1/2	108,513	1/2	97,995	1/2	87,473	1/2	76,950	1/2	66,426	1/2	55,903
3/4		3/4		3/4	129,278	3/4	118,789	3/4	108,294	3/4	97,775	3/4	87,254	3/4	76,731	3/4	66,207	3/4	55,684
4	4	4	4	129,060	4	118,571	4	108,075	4	97,556	4	87,035	4	76,511	4	65,988	4	55,464	
1/4		1/4		1/4	128,841	1/4	118,352	1/4	107,856	1/4	97,337	1/4	86,816	1/4	76,292	1/4	65,769	1/4	55,245
1/2		1/2		1/2	128,623	1/2	118,134	1/2	107,636	1/2	97,118	1/2	86,596	1/2	76,073	1/2	65,549	1/2	55,026
3/4		3/4		3/4	128,404	3/4	117,915	3/4	107,417	3/4	96,899	3/4	86,377	3/4	75,854	3/4	65,330	3/4	54,807
5	5	5	5	128,186	5	117,697	5	107,198	5	96,680	5	86,158	5	75,634	5	65,111	5	54,588	
1/4		1/4		1/4	127,967	1/4	117,478	1/4	106,979	1/4	96,461	1/4	85,939	1/4	75,415	1/4	64,892	1/4	54,368
1/2		1/2		1/2	127,749	1/2	117,260	1/2	106,760	1/2	96,242	1/2	85,720	1/2	75,196	1/2	64,673	1/2	54,149
3/4		3/4		3/4	127,530	3/4	117,041	3/4	106,541	3/4	96,022	3/4	85,500	3/4	74,977	3/4	64,453	3/4	53,930
6	6	6	6	127,312	6	116,822	6	106,322	6	95,803	6	85,281	6	74,758	6	64,234	6	53,711	
1/4		1/4		1/4	127,093	1/4	116,604	1/4	106,103	1/4	95,584	1/4	85,062	1/4	74,538	1/4	64,015	1/4	53,491
1/2		1/2		1/2	126,875	1/2	116,385	1/2	105,883	1/2	95,365	1/2	84,843	1/2	74,319	1/2	63,796	1/2	53,272
3/4		3/4		3/4	126,656	3/4	116,167	3/4	105,664	3/4	95,146	3/4	84,623	3/4	74,100	3/4	63,576	3/4	53,053
7	7	7	7	126,438	7	115,948	7	105,445	7	94,927	7	84,404	7	73,881	7	63,357	7	52,834	
1/4		1/4		1/4	126,219	1/4	115,730	1/4	105,226	1/4	94,707	1/4	84,185	1/4	73,661	1/4	63,138	1/4	52,614
1/2		1/2		1/2	126,001	1/2	115,511	1/2	105,007	1/2	94,488	1/2	83,966	1/2	73,442	1/2	62,919	1/2	52,395
3/4		3/4		3/4	125,782	3/4	115,293	3/4	104,788	3/4	94,269	3/4	83,746	3/4	73,223	3/4	62,699	3/4	52,176
8	8	8	8	125,563	8	115,074	8	104,569	8	94,050	8	83,527	8	73,004	8	62,480	8	51,957	
1/4		1/4		1/4	125,345	1/4	114,856	1/4	104,349	1/4	93,831	1/4	83,308	1/4	72,784	1/4	62,261	1/4	51,737
1/2		1/2		1/2	125,126	1/2	114,637	1/2	104,130	1/2	93,612	1/2	83,089	1/2	72,565	1/2	62,042	1/2	51,518
3/4		3/4		3/4	124,908	3/4	114,419	3/4	103,911	3/4	93,393	3/4	82,869	3/4	72,346	3/4	61,822	3/4	51,299
9	9	9	9	124,689	9	114,200	9	103,692	9	93,174	9	82,650	9	72,127	9	61,603	9	51,080	
1/4		1/4		1/4	124,471	1/4	113,982	1/4	103,473	1/4	92,954	1/4	82,431	1/4	71,907	1/4	61,384	1/4	50,860
1/2		1/2		1/2	124,252	1/2	113,763	1/2	103,254	1/2	92,735	1/2	82,212	1/2	71,688	1/2	61,165	1/2	50,641
3/4		3/4		3/4	124,034	3/4	113,545	3/4	103,035	3/4	92,516	3/4	81,992	3/4	71,469	3/4	60,945	3/4	50,422
10	10	10	10	123,815	10	113,326	10	102,815	10	92,297	10	81,773	10	71,250	10	60,726	10	50,203	
1/4		1/4		1/4	123,597	1/4	113,108	1/4	102,596	1/4	92,077	1/4	81,554	1/4	71,030	1/4	60,507	1/4	49,983
1/2		1/2		1/2	123,378	1/2	112,889	1/2	102,377	1/2	91,858	1/2	81,335	1/2	70,811	1/2	60,288	1/2	49,764
3/4		3/4		3/4	123,160	3/4	112,670	3/4	102,158	3/4	91,639	3/4	81,115	3/4	70,592	3/4	60,068	3/4	49,545
11	11	11	11	122,941	11	112,452	11	101,939	11	91,420	11	80,896	11	70,373	11	59,849	11	49,326	
1/4		1/4		1/4	122,723	1/4	112,233	1/4	101,720	1/4	91,200	1/4	80,677	1/4	70,154	1/4	59,630	1/4	49,107
1/2		1/2		1/2	122,504	1/2	112,015	1/2	101,501	1/2	90,981	1/2	80,458	1/2	69,934	1/2	59,411	1/2	48,887
3/4		3/4		3/4	122,286	3/4	111,796	3/4	101,282	3/4	90,762	3/4	80,239	3/4	69,715	3/4	59,192	3/4	48,668

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 1701"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 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	48,449	0	37,925	0	27,424	0	16,914	0	6,391	0		0		0		0		0	
1/4	48,230	1/4	37,706	1/4	27,206	1/4	16,695	1/4	6,172	1/4		1/4		1/4		1/4		1/4	
1/2	48,010	1/2	37,487	1/2	26,988	1/2	16,476	1/2	5,953	1/2		1/2		1/2		1/2		1/2	
3/4	47,791	3/4	37,268	3/4	26,770	3/4	16,257	3/4	5,733	3/4		3/4		3/4		3/4		3/4	
1	47,572	1	37,048	1	26,551	1	16,037	1	5,514	1		1		1		1		1	
1/4	47,353	1/4	36,829	1/4	26,333	1/4	15,818	1/4	5,295	1/4		1/4		1/4		1/4		1/4	
1/2	47,133	1/2	36,610	1/2	26,115	1/2	15,599	1/2	5,076	1/2		1/2		1/2		1/2		1/2	
3/4	46,914	3/4	36,391	3/4	25,897	3/4	15,380	3/4	4,857	3/4		3/4		3/4		3/4		3/4	
2	46,695	2	36,171	2	25,678	2	15,160	2	4,637	2		2		2		2		2	
1/4	46,476	1/4	35,952	1/4	25,460	1/4	14,941	1/4	4,418	1/4		1/4		1/4		1/4		1/4	
1/2	46,256	1/2	35,733	1/2	25,242	1/2	14,722	1/2	4,199	1/2		1/2		1/2		1/2		1/2	
3/4	46,037	3/4	35,514	3/4	25,024	3/4	14,503	3/4	3,980	3/4		3/4		3/4		3/4		3/4	
3	45,818	3	35,294	3	24,805	3	14,283	3	3,761	3		3		3		3		3	
1/4	45,599	1/4	35,075	1/4	24,587	1/4	14,064	1/4	3,541	1/4		1/4		1/4		1/4		1/4	
1/2	45,379	1/2	34,856	1/2	24,368	1/2	13,845	1/2	3,322	1/2		1/2		1/2		1/2		1/2	
3/4	45,160	3/4	34,637	3/4	24,149	3/4	13,626	3/4	3,103	3/4		3/4		3/4		3/4		3/4	
4	44,941	4	34,417	4	23,930	4	13,407	4	2,885	4		4		4		4		4	
1/4	44,722	1/4	34,198	1/4	23,710	1/4	13,187	1/4	2,666	1/4		1/4		1/4		1/4		1/4	
1/2	44,503	1/2	33,979	1/2	23,491	1/2	12,968	1/2	2,447	1/2		1/2		1/2		1/2		1/2	
3/4	44,283	3/4	33,760	3/4	23,272	3/4	12,749	3/4	2,229	3/4		3/4		3/4		3/4		3/4	
5	44,064	5	33,541	5	23,053	5	12,530	5	2,011	5		5		5		5		5	
1/4	43,845	1/4	33,321	1/4	22,833	1/4	12,310	1/4	1,793	1/4		1/4		1/4		1/4		1/4	
1/2	43,626	1/2	33,102	1/2	22,614	1/2	12,091	1/2	1,601	1/2		1/2		1/2		1/2		1/2	
3/4	43,406	3/4	32,884	3/4	22,395	3/4	11,872	3/4	1,409	3/4		3/4		3/4		3/4		3/4	
6	43,187	6	32,665	6	22,176	6	11,653	6	1,218	6		6		6		6		6	
1/4	42,968	1/4	32,446	1/4	21,957	1/4	11,433	1/4	1,026	1/4		1/4		1/4		1/4		1/4	
1/2	42,749	1/2	32,227	1/2	21,737	1/2	11,214	1/2	889	1/2		1/2		1/2		1/2		1/2	
3/4	42,529	3/4	32,008	3/4	21,518	3/4	10,995	3/4	752	3/4		3/4		3/4		3/4		3/4	
7	42,310	7	31,790	7	21,299	7	10,776	7		7		7		7		7		7	
1/4	42,091	1/4	31,571	1/4	21,080	1/4	10,557	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	41,872	1/2	31,353	1/2	20,860	1/2	10,337	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	41,652	3/4	31,134	3/4	20,641	3/4	10,118	3/4		3/4		3/4		3/4		3/4		3/4	
8	41,433	8	30,916	8	20,422	8	9,899	8		8		8		8		8		8	
1/4	41,214	1/4	30,698	1/4	20,203	1/4	9,680	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	40,995	1/2	30,480	1/2	19,983	1/2	9,460	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	40,775	3/4	30,261	3/4	19,764	3/4	9,241	3/4		3/4		3/4		3/4		3/4		3/4	
9	40,556	9	30,043	9	19,545	9	9,022	9		9		9		9		9		9	
1/4	40,337	1/4	29,825	1/4	19,326	1/4	8,803	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	40,118	1/2	29,607	1/2	19,107	1/2	8,583	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	39,898	3/4	29,388	3/4	18,887	3/4	8,364	3/4		3/4		3/4		3/4		3/4		3/4	
10	39,679	10	29,170	10	18,668	10	8,145	10		10		10		10		10		10	
1/4	39,460	1/4	28,952	1/4	18,449	1/4	7,926	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	39,241	1/2	28,734	1/2	18,230	1/2	7,707	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	39,022	3/4	28,515	3/4	18,010	3/4	7,487	3/4		3/4		3/4		3/4		3/4		3/4	
11	38,802	11	28,297	11	17,791	11	7,268	11		11		11		11		11		11	
1/4	38,583	1/4	28,079	1/4	17,572	1/4	7,049	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	38,364	1/2	27,861	1/2	17,353	1/2	6,830	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	38,145	3/4	27,643	3/4	17,133	3/4	6,610	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/29/2019 SW - JS
CALCULATED: 04/30/2019 CL
PRINTED: 05/01/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1701"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-07 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	122,106	0	111,626	0	101,120	0	90,609	0	80,094	0	69,579	0	59,064
1/4		1/4		1/4		1/4	121,888	1/4	111,407	1/4	100,901	1/4	90,390	1/4	79,875	1/4	69,360	1/4	58,845
1/2		1/2		1/2		1/2	121,670	1/2	111,189	1/2	100,682	1/2	90,171	1/2	79,656	1/2	69,141	1/2	58,626
3/4		3/4		3/4		3/4	121,451	3/4	110,971	3/4	100,463	3/4	89,952	3/4	79,437	3/4	68,922	3/4	58,407
1		1		1	131,310	1	121,233	1	110,752	1	100,244	1	89,733	1	79,218	1	68,703	1	58,188
1/4		1/4		1/4	131,166	1/4	121,015	1/4	110,534	1/4	100,025	1/4	89,514	1/4	78,999	1/4	68,484	1/4	57,969
1/2		1/2		1/2	131,023	1/2	120,796	1/2	110,316	1/2	99,806	1/2	89,295	1/2	78,780	1/2	68,265	1/2	57,750
3/4		3/4		3/4	130,879	3/4	120,578	3/4	110,097	3/4	99,587	3/4	89,076	3/4	78,561	3/4	68,046	3/4	57,531
2		2		2	130,699	2	120,360	2	109,878	2	99,368	2	88,857	2	78,342	2	67,827	2	57,312
1/4		1/4		1/4	130,519	1/4	120,141	1/4	109,659	1/4	99,149	1/4	88,637	1/4	78,122	1/4	67,608	1/4	57,093
1/2		1/2		1/2	130,339	1/2	119,923	1/2	109,440	1/2	98,930	1/2	88,418	1/2	77,903	1/2	67,388	1/2	56,873
3/4		3/4		3/4	130,159	3/4	119,705	3/4	109,221	3/4	98,711	3/4	88,199	3/4	77,684	3/4	67,169	3/4	56,654
3		3		3	129,947	3	119,486	3	109,002	3	98,492	3	87,980	3	77,465	3	66,950	3	56,435
1/4		1/4		1/4	129,735	1/4	119,268	1/4	108,783	1/4	98,273	1/4	87,761	1/4	77,246	1/4	66,731	1/4	56,216
1/2		1/2		1/2	129,523	1/2	119,049	1/2	108,564	1/2	98,055	1/2	87,542	1/2	77,027	1/2	66,512	1/2	55,997
3/4		3/4		3/4	129,312	3/4	118,831	3/4	108,346	3/4	97,836	3/4	87,323	3/4	76,808	3/4	66,293	3/4	55,778
4		4		4	129,093	4	118,613	4	108,127	4	97,617	4	87,104	4	76,589	4	66,074	4	55,559
1/4		1/4		1/4	128,875	1/4	118,394	1/4	107,908	1/4	97,398	1/4	86,885	1/4	76,370	1/4	65,855	1/4	55,340
1/2		1/2		1/2	128,657	1/2	118,176	1/2	107,689	1/2	97,179	1/2	86,666	1/2	76,151	1/2	65,636	1/2	55,121
3/4		3/4		3/4	128,438	3/4	117,958	3/4	107,470	3/4	96,960	3/4	86,447	3/4	75,932	3/4	65,417	3/4	54,902
5		5		5	128,220	5	117,739	5	107,251	5	96,741	5	86,228	5	75,713	5	65,198	5	54,683
1/4		1/4		1/4	128,002	1/4	117,521	1/4	107,032	1/4	96,522	1/4	86,009	1/4	75,494	1/4	64,979	1/4	54,464
1/2		1/2		1/2	127,783	1/2	117,303	1/2	106,813	1/2	96,303	1/2	85,790	1/2	75,275	1/2	64,760	1/2	54,245
3/4		3/4		3/4	127,565	3/4	117,084	3/4	106,594	3/4	96,084	3/4	85,571	3/4	75,056	3/4	64,541	3/4	54,026
6		6		6	127,347	6	116,866	6	106,375	6	95,865	6	85,352	6	74,837	6	64,322	6	53,807
1/4		1/4		1/4	127,128	1/4	116,648	1/4	106,156	1/4	95,646	1/4	85,132	1/4	74,617	1/4	64,103	1/4	53,588
1/2		1/2		1/2	126,910	1/2	116,429	1/2	105,937	1/2	95,427	1/2	84,913	1/2	74,398	1/2	63,883	1/2	53,369
3/4		3/4		3/4	126,692	3/4	116,211	3/4	105,718	3/4	95,208	3/4	84,694	3/4	74,179	3/4	63,664	3/4	53,149
7		7		7	126,473	7	115,993	7	105,499	7	94,989	7	84,475	7	73,960	7	63,445	7	52,930
1/4		1/4		1/4	126,255	1/4	115,774	1/4	105,280	1/4	94,770	1/4	84,256	1/4	73,741	1/4	63,226	1/4	52,711
1/2		1/2		1/2	126,037	1/2	115,556	1/2	105,061	1/2	94,551	1/2	84,037	1/2	73,522	1/2	63,007	1/2	52,492
3/4		3/4		3/4	125,818	3/4	115,338	3/4	104,842	3/4	94,332	3/4	83,818	3/4	73,303	3/4	62,788	3/4	52,273
8		8		8	125,600	8	115,119	8	104,623	8	94,113	8	83,599	8	73,084	8	62,569	8	52,054
1/4		1/4		1/4	125,382	1/4	114,901	1/4	104,404	1/4	93,894	1/4	83,380	1/4	72,865	1/4	62,350	1/4	51,835
1/2		1/2		1/2	125,163	1/2	114,683	1/2	104,185	1/2	93,675	1/2	83,161	1/2	72,646	1/2	62,131	1/2	51,616
3/4		3/4		3/4	124,945	3/4	114,464	3/4	103,966	3/4	93,456	3/4	82,942	3/4	72,427	3/4	61,912	3/4	51,397
9		9		9	124,727	9	114,246	9	103,747	9	93,237	9	82,723	9	72,208	9	61,693	9	51,178
1/4		1/4		1/4	124,508	1/4	114,027	1/4	103,528	1/4	93,018	1/4	82,504	1/4	71,989	1/4	61,474	1/4	50,959
1/2		1/2		1/2	124,290	1/2	113,809	1/2	103,309	1/2	92,800	1/2	82,285	1/2	71,770	1/2	61,255	1/2	50,740
3/4		3/4		3/4	124,071	3/4	113,591	3/4	103,091	3/4	92,581	3/4	82,066	3/4	71,551	3/4	61,036	3/4	50,521
10		10		10	123,853	10	113,372	10	102,872	10	92,361	10	81,847	10	71,332	10	60,817	10	50,302
1/4		1/4		1/4	123,635	1/4	113,154	1/4	102,653	1/4	92,142	1/4	81,627	1/4	71,113	1/4	60,598	1/4	50,083
1/2		1/2		1/2	123,416	1/2	112,936	1/2	102,434	1/2	91,923	1/2	81,408	1/2	70,893	1/2	60,378	1/2	49,864
3/4		3/4		3/4	123,198	3/4	112,717	3/4	102,215	3/4	91,704	3/4	81,189	3/4	70,674	3/4	60,159	3/4	49,644
11		11		11	122,980	11	112,499	11	101,996	11	91,485	11	80,970	11	70,455	11	59,940	11	49,425
1/4		1/4		1/4	122,761	1/4	112,281	1/4	101,777	1/4	91,266	1/4	80,751	1/4	70,236	1/4	59,721	1/4	49,206
1/2		1/2		1/2	122,543	1/2	112,062	1/2	101,558	1/2	91,047	1/2	80,532	1/2	70,017	1/2	59,502	1/2	48,987
3/4		3/4		3/4	122,325	3/4	111,844	3/4	101,339	3/4	90,828	3/4	80,313	3/4	69,798	3/4	59,283	3/4	48,768

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.
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 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBC 1701"

**2 STBD
ULLAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-07 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	48,549	0	38,034	0	27,726	0	17,339	0	6,824	0		0		0		0		0	
1/4	48,330	1/4	37,815	1/4	27,516	1/4	17,120	1/4	6,605	1/4		1/4		1/4		1/4		1/4	
1/2	48,111	1/2	37,596	1/2	27,305	1/2	16,901	1/2	6,386	1/2		1/2		1/2		1/2		1/2	
3/4	47,892	3/4	37,377	3/4	27,094	3/4	16,681	3/4	6,167	3/4		3/4		3/4		3/4		3/4	
1	47,673	1	37,158	1	26,884	1	16,462	1	5,948	1		1		1		1		1	
1/4	47,454	1/4	36,939	1/4	26,673	1/4	16,243	1/4	5,729	1/4		1/4		1/4		1/4		1/4	
1/2	47,235	1/2	36,720	1/2	26,463	1/2	16,024	1/2	5,510	1/2		1/2		1/2		1/2		1/2	
3/4	47,016	3/4	36,501	3/4	26,252	3/4	15,805	3/4	5,291	3/4		3/4		3/4		3/4		3/4	
2	46,797	2	36,282	2	26,042	2	15,586	2	5,072	2		2		2		2		2	
1/4	46,578	1/4	36,063	1/4	25,831	1/4	15,367	1/4	4,853	1/4		1/4		1/4		1/4		1/4	
1/2	46,359	1/2	35,844	1/2	25,620	1/2	15,148	1/2	4,634	1/2		1/2		1/2		1/2		1/2	
3/4	46,139	3/4	35,625	3/4	25,410	3/4	14,929	3/4	4,415	3/4		3/4		3/4		3/4		3/4	
3	45,920	3	35,405	3	25,199	3	14,710	3	4,196	3		3		3		3		3	
1/4	45,701	1/4	35,186	1/4	24,989	1/4	14,491	1/4	3,976	1/4		1/4		1/4		1/4		1/4	
1/2	45,482	1/2	34,967	1/2	24,778	1/2	14,272	1/2	3,757	1/2		1/2		1/2		1/2		1/2	
3/4	45,263	3/4	34,748	3/4	24,567	3/4	14,053	3/4	3,538	3/4		3/4		3/4		3/4		3/4	
4	45,044	4	34,529	4	24,348	4	13,834	4	3,320	4		4		4		4		4	
1/4	44,825	1/4	34,310	1/4	24,129	1/4	13,615	1/4	3,101	1/4		1/4		1/4		1/4		1/4	
1/2	44,606	1/2	34,091	1/2	23,910	1/2	13,396	1/2	2,882	1/2		1/2		1/2		1/2		1/2	
3/4	44,387	3/4	33,872	3/4	23,691	3/4	13,177	3/4	2,663	3/4		3/4		3/4		3/4		3/4	
5	44,168	5	33,653	5	23,472	5	12,958	5	2,446	5		5		5		5		5	
1/4	43,949	1/4	33,434	1/4	23,253	1/4	12,739	1/4	2,228	1/4		1/4		1/4		1/4		1/4	
1/2	43,730	1/2	33,215	1/2	23,034	1/2	12,519	1/2	2,010	1/2		1/2		1/2		1/2		1/2	
3/4	43,511	3/4	32,996	3/4	22,815	3/4	12,300	3/4	1,792	3/4		3/4		3/4		3/4		3/4	
6	43,292	6	32,785	6	22,596	6	12,081	6	1,600	6		6		6		6		6	
1/4	43,073	1/4	32,573	1/4	22,377	1/4	11,862	1/4	1,408	1/4		1/4		1/4		1/4		1/4	
1/2	42,854	1/2	32,362	1/2	22,158	1/2	11,643	1/2	1,217	1/2		1/2		1/2		1/2		1/2	
3/4	42,634	3/4	32,151	3/4	21,939	3/4	11,424	3/4	1,025	3/4		3/4		3/4		3/4		3/4	
7	42,415	7	31,940	7	21,720	7	11,205	7	888	7		7		7		7		7	
1/4	42,196	1/4	31,729	1/4	21,501	1/4	10,986	1/4	751	1/4		1/4		1/4		1/4		1/4	
1/2	41,977	1/2	31,518	1/2	21,282	1/2	10,767	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	41,758	3/4	31,306	3/4	21,063	3/4	10,548	3/4		3/4		3/4		3/4		3/4		3/4	
8	41,539	8	31,096	8	20,843	8	10,329	8		8		8		8		8		8	
1/4	41,320	1/4	30,885	1/4	20,624	1/4	10,110	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	41,101	1/2	30,675	1/2	20,405	1/2	9,891	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	40,882	3/4	30,464	3/4	20,186	3/4	9,672	3/4		3/4		3/4		3/4		3/4		3/4	
9	40,663	9	30,253	9	19,967	9	9,453	9		9		9		9		9		9	
1/4	40,444	1/4	30,043	1/4	19,748	1/4	9,234	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	40,225	1/2	29,832	1/2	19,529	1/2	9,015	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	40,006	3/4	29,622	3/4	19,310	3/4	8,796	3/4		3/4		3/4		3/4		3/4		3/4	
10	39,787	10	29,411	10	19,091	10	8,577	10		10		10		10		10		10	
1/4	39,568	1/4	29,200	1/4	18,872	1/4	8,357	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	39,349	1/2	28,990	1/2	18,653	1/2	8,138	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	39,129	3/4	28,779	3/4	18,434	3/4	7,919	3/4		3/4		3/4		3/4		3/4		3/4	
11	38,910	11	28,569	11	18,215	11	7,700	11		11		11		11		11		11	
1/4	38,691	1/4	28,358	1/4	17,996	1/4	7,481	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	38,472	1/2	28,147	1/2	17,777	1/2	7,262	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	38,253	3/4	27,937	3/4	17,558	3/4	7,043	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/29/2019 SW - JS
CALCULATED: 04/30/2019 CL
PRINTED: 05/01/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 1701"

3 CENTER ULLAGE 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	0	0	0	0	222,332	0	203,672	0	184,996	0	166,310	0	147,616	0	128,921	0	110,226		
1/4	1/4	1/4	1/4	1/4	221,944	1/4	203,283	1/4	184,607	1/4	165,921	1/4	147,227	1/4	128,532	1/4	109,836		
1/2	1/2	1/2	1/2	1/2	221,555	1/2	202,895	1/2	184,218	1/2	165,532	1/2	146,837	1/2	128,142	1/2	109,447		
3/4	3/4	3/4	3/4	3/4	235,897	3/4	221,166	3/4	202,506	3/4	183,828	3/4	165,142	3/4	146,448	3/4	127,753	3/4	109,057
1	1	1	1	1	235,832	1	220,777	1	202,117	1	183,439	1	164,753	1	146,058	1	127,363	1	108,668
1/4	1/4	1/4	1/4	1/4	235,768	1/4	220,389	1/4	201,728	1/4	183,050	1/4	164,363	1/4	145,669	1/4	126,974	1/4	108,278
1/2	1/2	1/2	1/2	1/2	235,704	1/2	220,000	1/2	201,340	1/2	182,660	1/2	163,974	1/2	145,279	1/2	126,584	1/2	107,889
3/4	3/4	3/4	3/4	3/4	235,640	3/4	219,611	3/4	200,951	3/4	182,271	3/4	163,584	3/4	144,890	3/4	126,195	3/4	107,499
2	2	2	2	2	235,511	2	219,222	2	200,562	2	181,882	2	163,195	2	144,500	2	125,805	2	107,110
1/4	1/4	1/4	1/4	1/4	235,382	1/4	218,834	1/4	200,173	1/4	181,493	1/4	162,805	1/4	144,111	1/4	125,416	1/4	106,720
1/2	1/2	1/2	1/2	1/2	235,253	1/2	218,445	1/2	199,784	1/2	181,103	1/2	162,416	1/2	143,721	1/2	125,026	1/2	106,331
3/4	3/4	3/4	3/4	3/4	235,124	3/4	218,056	3/4	199,396	3/4	180,714	3/4	162,027	3/4	143,332	3/4	124,637	3/4	105,941
3	3	3	3	3	234,930	3	217,667	3	199,007	3	180,325	3	161,637	3	142,942	3	124,247	3	105,552
1/4	1/4	1/4	1/4	1/4	234,736	1/4	217,279	1/4	198,618	1/4	179,935	1/4	161,248	1/4	142,553	1/4	123,858	1/4	105,162
1/2	1/2	1/2	1/2	1/2	234,542	1/2	216,890	1/2	198,229	1/2	179,546	1/2	160,858	1/2	142,163	1/2	123,468	1/2	104,773
3/4	3/4	3/4	3/4	3/4	234,348	3/4	216,501	3/4	197,841	3/4	179,157	3/4	160,469	3/4	141,774	3/4	123,079	3/4	104,383
4	4	4	4	4	234,089	4	216,112	4	197,452	4	178,768	4	160,079	4	141,384	4	122,689	4	103,994
1/4	1/4	1/4	1/4	1/4	233,830	1/4	215,724	1/4	197,063	1/4	178,378	1/4	159,690	1/4	140,995	1/4	122,300	1/4	103,604
1/2	1/2	1/2	1/2	1/2	233,571	1/2	215,335	1/2	196,674	1/2	177,989	1/2	159,300	1/2	140,605	1/2	121,910	1/2	103,215
3/4	3/4	3/4	3/4	3/4	233,312	3/4	214,946	3/4	196,286	3/4	177,600	3/4	158,911	3/4	140,216	3/4	121,521	3/4	102,825
5	5	5	5	5	232,988	5	214,557	5	195,896	5	177,210	5	158,521	5	139,827	5	121,131	5	102,436
1/4	1/4	1/4	1/4	1/4	232,664	1/4	214,169	1/4	195,507	1/4	176,821	1/4	158,132	1/4	139,437	1/4	120,742	1/4	102,046
1/2	1/2	1/2	1/2	1/2	232,340	1/2	213,780	1/2	195,118	1/2	176,432	1/2	157,742	1/2	139,048	1/2	120,352	1/2	101,657
3/4	3/4	3/4	3/4	3/4	232,016	3/4	213,391	3/4	194,728	3/4	176,042	3/4	157,353	3/4	138,658	3/4	119,963	3/4	101,267
6	6	6	6	6	231,636	6	213,002	6	194,339	6	175,653	6	156,963	6	138,269	6	119,573	6	100,878
1/4	1/4	1/4	1/4	1/4	231,256	1/4	212,614	1/4	193,950	1/4	175,264	1/4	156,574	1/4	137,879	1/4	119,184	1/4	100,488
1/2	1/2	1/2	1/2	1/2	230,876	1/2	212,225	1/2	193,561	1/2	174,875	1/2	156,184	1/2	137,490	1/2	118,795	1/2	100,099
3/4	3/4	3/4	3/4	3/4	230,496	3/4	211,836	3/4	193,171	3/4	174,485	3/4	155,795	3/4	137,100	3/4	118,405	3/4	99,709
7	7	7	7	7	230,107	7	211,447	7	192,782	7	174,096	7	155,405	7	136,711	7	118,016	7	99,320
1/4	1/4	1/4	1/4	1/4	229,719	1/4	211,058	1/4	192,393	1/4	173,707	1/4	155,016	1/4	136,321	1/4	117,626	1/4	98,930
1/2	1/2	1/2	1/2	1/2	229,330	1/2	210,670	1/2	192,003	1/2	173,317	1/2	154,627	1/2	135,932	1/2	117,237	1/2	98,541
3/4	3/4	3/4	3/4	3/4	228,941	3/4	210,281	3/4	191,614	3/4	172,928	3/4	154,237	3/4	135,542	3/4	116,847	3/4	98,151
8	8	8	8	8	228,553	8	209,892	8	191,225	8	172,539	8	153,848	8	135,153	8	116,458	8	97,762
1/4	1/4	1/4	1/4	1/4	228,164	1/4	209,503	1/4	190,836	1/4	172,150	1/4	153,458	1/4	134,763	1/4	116,068	1/4	97,372
1/2	1/2	1/2	1/2	1/2	227,775	1/2	209,115	1/2	190,446	1/2	171,760	1/2	153,069	1/2	134,374	1/2	115,679	1/2	96,983
3/4	3/4	3/4	3/4	3/4	227,386	3/4	208,726	3/4	190,057	3/4	171,371	3/4	152,679	3/4	133,984	3/4	115,289	3/4	96,593
9	9	9	9	9	226,998	9	208,337	9	189,668	9	170,982	9	152,290	9	133,595	9	114,900	9	96,204
1/4	1/4	1/4	1/4	1/4	226,609	1/4	207,948	1/4	189,278	1/4	170,592	1/4	151,900	1/4	133,205	1/4	114,510	1/4	95,814
1/2	1/2	1/2	1/2	1/2	226,220	1/2	207,560	1/2	188,889	1/2	170,203	1/2	151,511	1/2	132,816	1/2	114,121	1/2	95,425
3/4	3/4	3/4	3/4	3/4	225,831	3/4	207,171	3/4	188,500	3/4	169,814	3/4	151,121	3/4	132,427	3/4	113,731	3/4	95,035
10	10	10	10	10	225,443	10	206,782	10	188,111	10	169,425	10	150,732	10	132,037	10	113,342	10	94,646
1/4	1/4	1/4	1/4	1/4	225,054	1/4	206,393	1/4	187,721	1/4	169,035	1/4	150,342	1/4	131,648	1/4	112,952	1/4	94,256
1/2	1/2	1/2	1/2	1/2	224,665	1/2	206,005	1/2	187,332	1/2	168,646	1/2	149,953	1/2	131,258	1/2	112,563	1/2	93,867
3/4	3/4	3/4	3/4	3/4	224,276	3/4	205,616	3/4	186,943	3/4	168,257	3/4	149,563	3/4	130,869	3/4	112,173	3/4	93,477
11	11	11	11	11	223,887	11	205,227	11	186,553	11	167,867	11	149,174	11	130,479	11	111,784	11	93,088
1/4	1/4	1/4	1/4	1/4	223,499	1/4	204,838	1/4	186,164	1/4	167,478	1/4	148,784	1/4	130,090	1/4	111,394	1/4	92,698
1/2	1/2	1/2	1/2	1/2	223,110	1/2	204,450	1/2	185,775	1/2	167,089	1/2	148,395	1/2	129,700	1/2	111,005	1/2	92,309
3/4	3/4	3/4	3/4	3/4	222,721	3/4	204,061	3/4	185,385	3/4	166,699	3/4	148,005	3/4	129,311	3/4	110,615	3/4	91,919

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 30'-00" FORWARD OF AFT BULKHEAD

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



BARGE "CBC 1701"

3 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	91,530	0	72,834	0	54,146	0	35,472	0	16,777	0	185	0		0		0		0	
1/4	91,140	1/4	72,445	1/4	53,757	1/4	35,083	1/4	16,387	1/4	137	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,751	1/2	72,055	1/2	53,368	1/2	34,693	1/2	15,998	1/2	88	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,361	3/4	71,666	3/4	52,980	3/4	34,304	3/4	15,608	3/4	39	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	89,972	1	71,276	1	52,591	1	33,914	1	15,219	1		1	1	1	1	1	1	1	1
1/4	89,582	1/4	70,887	1/4	52,202	1/4	33,525	1/4	14,829	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,193	1/2	70,497	1/2	51,814	1/2	33,135	1/2	14,440	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,803	3/4	70,108	3/4	51,425	3/4	32,746	3/4	14,050	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	88,414	2	69,718	2	51,036	2	32,356	2	13,661	2		2	2	2	2	2	2	2	2
1/4	88,025	1/4	69,329	1/4	50,648	1/4	31,967	1/4	13,271	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,635	1/2	68,939	1/2	50,259	1/2	31,577	1/2	12,882	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,246	3/4	68,550	3/4	49,870	3/4	31,188	3/4	12,492	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	86,856	3	68,160	3	49,482	3	30,798	3	12,103	3		3	3	3	3	3	3	3	3
1/4	86,467	1/4	67,771	1/4	49,093	1/4	30,409	1/4	11,714	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,077	1/2	67,381	1/2	48,704	1/2	30,019	1/2	11,324	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,688	3/4	66,992	3/4	48,315	3/4	29,630	3/4	10,935	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	85,298	4	66,602	4	47,927	4	29,240	4	10,545	4		4	4	4	4	4	4	4	4
1/4	84,909	1/4	66,213	1/4	47,538	1/4	28,851	1/4	10,156	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,519	1/2	65,823	1/2	47,149	1/2	28,461	1/2	9,766	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,130	3/4	65,434	3/4	46,761	3/4	28,072	3/4	9,377	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	83,740	5	65,044	5	46,372	5	27,682	5	8,987	5		5	5	5	5	5	5	5	5
1/4	83,351	1/4	64,655	1/4	45,983	1/4	27,293	1/4	8,598	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,961	1/2	64,265	1/2	45,595	1/2	26,903	1/2	8,208	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,572	3/4	63,876	3/4	45,206	3/4	26,514	3/4	7,819	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	82,182	6	63,486	6	44,817	6	26,124	6	7,429	6		6	6	6	6	6	6	6	6
1/4	81,793	1/4	63,097	1/4	44,429	1/4	25,735	1/4	7,040	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,403	1/2	62,707	1/2	44,040	1/2	25,345	1/2	6,650	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,014	3/4	62,318	3/4	43,651	3/4	24,956	3/4	6,261	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	80,624	7	61,928	7	43,262	7	24,566	7	5,872	7		7	7	7	7	7	7	7	7
1/4	80,235	1/4	61,539	1/4	42,872	1/4	24,177	1/4	5,483	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,845	1/2	61,149	1/2	42,483	1/2	23,788	1/2	5,094	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,456	3/4	60,760	3/4	42,093	3/4	23,398	3/4	4,705	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	79,066	8	60,370	8	41,704	8	23,009	8	4,318	8		8	8	8	8	8	8	8	8
1/4	78,677	1/4	59,981	1/4	41,314	1/4	22,619	1/4	3,930	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,287	1/2	59,591	1/2	40,925	1/2	22,230	1/2	3,542	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,898	3/4	59,202	3/4	40,535	3/4	21,840	3/4	3,155	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	77,508	9	58,813	9	40,146	9	21,451	9	2,814	9		9	9	9	9	9	9	9	9
1/4	77,119	1/4	58,424	1/4	39,756	1/4	21,061	1/4	2,473	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,729	1/2	58,035	1/2	39,367	1/2	20,672	1/2	2,133	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,340	3/4	57,646	3/4	38,977	3/4	20,282	3/4	1,792	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	75,950	10	57,256	10	38,588	10	19,893	10	1,549	10		10	10	10	10	10	10	10	10
1/4	75,561	1/4	56,867	1/4	38,198	1/4	19,503	1/4	1,305	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,171	1/2	56,478	1/2	37,809	1/2	19,114	1/2	1,062	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,782	3/4	56,089	3/4	37,419	3/4	18,724	3/4	818	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	74,392	11	55,700	11	37,030	11	18,335	11	672	11		11	11	11	11	11	11	11	11
1/4	74,003	1/4	55,312	1/4	36,641	1/4	17,945	1/4	526	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,613	1/2	54,923	1/2	36,251	1/2	17,556	1/2	380	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,224	3/4	54,534	3/4	35,862	3/4	17,166	3/4	234	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: 04/29/2019 SW - JS
CALCULATED: 04/30/2019 CL
PRINTED: 05/01/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

PRECISION MEASUREMENT
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