



BARGE "CBC 1709"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS - 00-5/8"
 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'-03"

April 15, 2020

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1709"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 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	39	0	15,729	0	34,567	0	53,245	0	71,967	0	90,775	0	109,584	0	128,369	0	147,183	0	165,997
1/4	88	1/4	16,121	1/4	34,959	1/4	53,631	1/4	72,359	1/4	91,167	1/4	109,975	1/4	128,761	1/4	147,575	1/4	166,389
1/2	137	1/2	16,514	1/2	35,351	1/2	54,018	1/2	72,751	1/2	91,559	1/2	110,366	1/2	129,153	1/2	147,967	1/2	166,780
3/4	186	3/4	16,906	3/4	35,743	3/4	54,404	3/4	73,143	3/4	91,951	3/4	110,758	3/4	129,545	3/4	148,359	3/4	167,172
1	236	1	17,299	1	36,135	1	54,790	1	73,534	1	92,343	1	111,149	1	129,936	1	148,751	1	167,564
1/4	383	1/4	17,692	1/4	36,527	1/4	55,176	1/4	73,926	1/4	92,735	1/4	111,540	1/4	130,328	1/4	149,143	1/4	167,956
1/2	530	1/2	18,084	1/2	36,919	1/2	55,562	1/2	74,318	1/2	93,126	1/2	111,931	1/2	130,720	1/2	149,534	1/2	168,347
3/4	677	3/4	18,477	3/4	37,311	3/4	55,949	3/4	74,710	3/4	93,518	3/4	112,323	3/4	131,112	3/4	149,926	3/4	168,739
2	824	2	18,869	2	37,703	2	56,335	2	75,102	2	93,910	2	112,714	2	131,504	2	150,318	2	169,130
1/4	1,070	1/4	19,262	1/4	38,095	1/4	56,722	1/4	75,494	1/4	94,302	1/4	113,105	1/4	131,896	1/4	150,710	1/4	169,522
1/2	1,315	1/2	19,654	1/2	38,487	1/2	57,108	1/2	75,886	1/2	94,694	1/2	113,496	1/2	132,288	1/2	151,102	1/2	169,913
3/4	1,560	3/4	20,047	3/4	38,879	3/4	57,495	3/4	76,277	3/4	95,086	3/4	113,887	3/4	132,680	3/4	151,494	3/4	170,305
3	1,806	3	20,439	3	39,271	3	57,882	3	76,669	3	95,477	3	114,279	3	133,072	3	151,886	3	170,696
1/4	2,149	1/4	20,832	1/4	39,663	1/4	58,268	1/4	77,061	1/4	95,869	1/4	114,670	1/4	133,464	1/4	152,278	1/4	171,087
1/2	2,492	1/2	21,224	1/2	40,055	1/2	58,655	1/2	77,453	1/2	96,261	1/2	115,061	1/2	133,856	1/2	152,670	1/2	171,479
3/4	2,836	3/4	21,617	3/4	40,447	3/4	59,042	3/4	77,845	3/4	96,653	3/4	115,452	3/4	134,248	3/4	153,062	3/4	171,870
4	3,179	4	22,009	4	40,839	4	59,428	4	78,237	4	97,045	4	115,844	4	134,640	4	153,454	4	172,262
1/4	3,570	1/4	22,402	1/4	41,231	1/4	59,820	1/4	78,628	1/4	97,437	1/4	116,235	1/4	135,032	1/4	153,846	1/4	172,653
1/2	3,960	1/2	22,794	1/2	41,623	1/2	60,212	1/2	79,020	1/2	97,828	1/2	116,626	1/2	135,424	1/2	154,238	1/2	173,045
3/4	4,351	3/4	23,187	3/4	42,015	3/4	60,604	3/4	79,412	3/4	98,220	3/4	117,017	3/4	135,816	3/4	154,630	3/4	173,436
5	4,741	5	23,579	5	42,407	5	60,996	5	79,804	5	98,612	5	117,408	5	136,208	5	155,022	5	173,828
1/4	5,133	1/4	23,972	1/4	42,799	1/4	61,387	1/4	80,196	1/4	99,004	1/4	117,800	1/4	136,600	1/4	155,414	1/4	174,219
1/2	5,525	1/2	24,364	1/2	43,191	1/2	61,779	1/2	80,588	1/2	99,396	1/2	118,191	1/2	136,992	1/2	155,806	1/2	174,611
3/4	5,917	3/4	24,757	3/4	43,584	3/4	62,171	3/4	80,979	3/4	99,788	3/4	118,582	3/4	137,384	3/4	156,198	3/4	175,002
6	6,309	6	25,149	6	43,976	6	62,563	6	81,371	6	100,179	6	118,973	6	137,776	6	156,590	6	175,394
1/4	6,702	1/4	25,542	1/4	44,362	1/4	62,955	1/4	81,763	1/4	100,571	1/4	119,365	1/4	138,168	1/4	156,982	1/4	175,785
1/2	7,094	1/2	25,934	1/2	44,748	1/2	63,347	1/2	82,155	1/2	100,963	1/2	119,756	1/2	138,560	1/2	157,374	1/2	176,176
3/4	7,486	3/4	26,327	3/4	45,134	3/4	63,739	3/4	82,547	3/4	101,355	3/4	120,147	3/4	138,952	3/4	157,766	3/4	176,568
7	7,879	7	26,719	7	45,520	7	64,130	7	82,939	7	101,747	7	120,538	7	139,344	7	158,158	7	176,959
1/4	8,271	1/4	27,112	1/4	45,907	1/4	64,522	1/4	83,330	1/4	102,139	1/4	120,929	1/4	139,735	1/4	158,550	1/4	177,303
1/2	8,664	1/2	27,504	1/2	46,293	1/2	64,914	1/2	83,722	1/2	102,531	1/2	121,321	1/2	140,127	1/2	158,941	1/2	177,647
3/4	9,056	3/4	27,897	3/4	46,679	3/4	65,306	3/4	84,114	3/4	102,922	3/4	121,712	3/4	140,519	3/4	159,333	3/4	177,991
8	9,449	8	28,289	8	47,065	8	65,698	8	84,506	8	103,314	8	122,103	8	140,911	8	159,725	8	178,335
1/4	9,841	1/4	28,682	1/4	47,452	1/4	66,090	1/4	84,898	1/4	103,706	1/4	122,494	1/4	141,303	1/4	160,117	1/4	178,679
1/2	10,234	1/2	29,074	1/2	47,838	1/2	66,481	1/2	85,290	1/2	104,098	1/2	122,886	1/2	141,695	1/2	160,509	1/2	179,023
3/4	10,626	3/4	29,467	3/4	48,224	3/4	66,873	3/4	85,681	3/4	104,490	3/4	123,277	3/4	142,087	3/4	160,901	3/4	179,366
9	11,019	9	29,859	9	48,610	9	67,265	9	86,073	9	104,882	9	123,668	9	142,479	9	161,293	9	179,710
1/4	11,411	1/4	30,252	1/4	48,997	1/4	67,657	1/4	86,465	1/4	105,273	1/4	124,059	1/4	142,871	1/4	161,685	1/4	180,054
1/2	11,804	1/2	30,644	1/2	49,383	1/2	68,049	1/2	86,857	1/2	105,665	1/2	124,450	1/2	143,263	1/2	162,077	1/2	180,398
3/4	12,196	3/4	31,037	3/4	49,769	3/4	68,441	3/4	87,249	3/4	106,057	3/4	124,842	3/4	143,655	3/4	162,469	3/4	180,742
10	12,589	10	31,429	10	50,155	10	68,832	10	87,641	10	106,449	10	125,233	10	144,047	10	162,861	10	181,086
1/4	12,981	1/4	31,822	1/4	50,541	1/4	69,224	1/4	88,033	1/4	106,841	1/4	125,625	1/4	144,439	1/4	163,253	1/4	181,430
1/2	13,374	1/2	32,214	1/2	50,928	1/2	69,616	1/2	88,424	1/2	107,233	1/2	126,017	1/2	144,831	1/2	163,645	1/2	181,774
3/4	13,766	3/4	32,607	3/4	51,314	3/4	70,008	3/4	88,816	3/4	107,624	3/4	126,409	3/4	145,223	3/4	164,037	3/4	182,117
11	14,159	11	32,999	11	51,700	11	70,400	11	89,208	11	108,016	11	126,801	11	145,615	11	164,429	11	182,461
1/4	14,551	1/4	33,391	1/4	52,086	1/4	70,792	1/4	89,600	1/4	108,408	1/4	127,193	1/4	146,007	1/4	164,821	1/4	182,805
1/2	14,944	1/2	33,783	1/2	52,473	1/2	71,183	1/2	89,992	1/2	108,800	1/2	127,585	1/2	146,399	1/2	165,213	1/2	183,149
3/4	15,336	3/4	34,175	3/4	52,859	3/4	71,575	3/4	90,384	3/4	109,192	3/4	127,977	3/4	146,791	3/4	165,605	3/4	183,493

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
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BARGE "CBC 1709"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 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	183,837	0	200,306	0	216,767	0	230,186	0		0		0		0		0		0	
1/4	184,181	1/4	200,649	1/4	217,110	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	184,524	1/2	200,992	1/2	217,453	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	184,868	3/4	201,335	3/4	217,796	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	185,212	1	201,678	1	218,139	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	185,556	1/4	202,020	1/4	218,482	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	185,900	1/2	202,363	1/2	218,825	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	186,244	3/4	202,706	3/4	219,168	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	186,588	2	203,049	2	219,511	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	186,931	1/4	203,392	1/4	219,854	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	187,274	1/2	203,735	1/2	220,197	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	187,617	3/4	204,078	3/4	220,540	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	187,959	3	204,421	3	220,883	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	188,302	1/4	204,764	1/4	221,226	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	188,645	1/2	205,107	1/2	221,569	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	188,988	3/4	205,450	3/4	221,912	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	189,331	4	205,793	4	222,255	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	189,674	1/4	206,136	1/4	222,598	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	190,017	1/2	206,479	1/2	222,941	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	190,360	3/4	206,822	3/4	223,283	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	190,703	5	207,165	5	223,626	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	191,046	1/4	207,508	1/4	223,969	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	191,389	1/2	207,851	1/2	224,312	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	191,732	3/4	208,194	3/4	224,655	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	192,075	6	208,537	6	224,998	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	192,418	1/4	208,880	1/4	225,329	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	192,761	1/2	209,222	1/2	225,660	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	193,104	3/4	209,565	3/4	225,991	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	193,447	7	209,908	7	226,322	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	193,790	1/4	210,251	1/4	226,646	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	194,133	1/2	210,594	1/2	226,970	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	194,476	3/4	210,937	3/4	227,294	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	194,818	8	211,280	8	227,618	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	195,161	1/4	211,623	1/4	227,877	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	195,504	1/2	211,966	1/2	228,136	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	195,847	3/4	212,309	3/4	228,394	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	196,190	9	212,652	9	228,653	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	196,533	1/4	212,995	1/4	228,846	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	196,876	1/2	213,338	1/2	229,039	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	197,219	3/4	213,681	3/4	229,232	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	197,562	10	214,024	10	229,425	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	197,905	1/4	214,367	1/4	229,553	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	198,248	1/2	214,710	1/2	229,681	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	198,591	3/4	215,053	3/4	229,809	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	198,934	11	215,396	11	229,936	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	199,277	1/4	215,739	1/4	229,999	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	199,620	1/2	216,081	1/2	230,061	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	199,963	3/4	216,424	3/4	230,123	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/15/2020 JS
CALCULATED: 04/16/2020 CL
PRINTED: 04/17/2020 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 4/2020



BARGE "CBC 1709"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 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	752	0	11,002	0	21,531	0	32,028	0	42,555	0	53,085	0	63,614	0	74,144	0	84,674	0	95,203
1/4	889	1/4	11,221	1/4	21,750	1/4	32,247	1/4	42,774	1/4	53,304	1/4	63,834	1/4	74,364	1/4	84,893	1/4	95,422
1/2	1,026	1/2	11,440	1/2	21,970	1/2	32,465	1/2	42,994	1/2	53,523	1/2	64,053	1/2	74,583	1/2	85,113	1/2	95,641
3/4	1,218	3/4	11,660	3/4	22,189	3/4	32,684	3/4	43,213	3/4	53,743	3/4	64,273	3/4	74,803	3/4	85,332	3/4	95,861
1	1,410	1	11,879	1	22,408	1	32,903	1	43,432	1	53,962	1	64,492	1	75,022	1	85,551	1	96,080
1/4	1,602	1/4	12,098	1/4	22,628	1/4	33,122	1/4	43,652	1/4	54,181	1/4	64,711	1/4	75,241	1/4	85,771	1/4	96,299
1/2	1,794	1/2	12,318	1/2	22,847	1/2	33,341	1/2	43,871	1/2	54,401	1/2	64,931	1/2	75,460	1/2	85,990	1/2	96,518
3/4	2,012	3/4	12,537	3/4	23,066	3/4	33,561	3/4	44,090	3/4	54,620	3/4	65,150	3/4	75,680	3/4	86,210	3/4	96,738
2	2,231	2	12,756	2	23,286	2	33,780	2	44,310	2	54,840	2	65,369	2	75,899	2	86,429	2	96,957
1/4	2,449	1/4	12,976	1/4	23,505	1/4	33,999	1/4	44,529	1/4	55,059	1/4	65,589	1/4	76,119	1/4	86,648	1/4	97,176
1/2	2,667	1/2	13,195	1/2	23,725	1/2	34,219	1/2	44,749	1/2	55,278	1/2	65,808	1/2	76,338	1/2	86,868	1/2	97,395
3/4	2,886	3/4	13,415	3/4	23,944	3/4	34,438	3/4	44,968	3/4	55,498	3/4	66,027	3/4	76,557	3/4	87,087	3/4	97,615
3	3,105	3	13,634	3	24,163	3	34,657	3	45,187	3	55,717	3	66,247	3	76,777	3	87,306	3	97,834
1/4	3,324	1/4	13,853	1/4	24,383	1/4	34,877	1/4	45,407	1/4	55,936	1/4	66,466	1/4	76,996	1/4	87,526	1/4	98,053
1/2	3,543	1/2	14,073	1/2	24,602	1/2	35,096	1/2	45,626	1/2	56,156	1/2	66,686	1/2	77,215	1/2	87,745	1/2	98,272
3/4	3,763	3/4	14,292	3/4	24,820	3/4	35,316	3/4	45,845	3/4	56,375	3/4	66,905	3/4	77,435	3/4	87,965	3/4	98,492
4	3,982	4	14,511	4	25,039	4	35,535	4	46,065	4	56,595	4	67,124	4	77,654	4	88,184	4	98,711
1/4	4,201	1/4	14,731	1/4	25,257	1/4	35,754	1/4	46,284	1/4	56,814	1/4	67,344	1/4	77,874	1/4	88,403	1/4	98,930
1/2	4,421	1/2	14,950	1/2	25,475	1/2	35,974	1/2	46,503	1/2	57,033	1/2	67,563	1/2	78,093	1/2	88,623	1/2	99,150
3/4	4,640	3/4	15,169	3/4	25,694	3/4	36,193	3/4	46,723	3/4	57,253	3/4	67,782	3/4	78,312	3/4	88,842	3/4	99,369
5	4,859	5	15,389	5	25,912	5	36,412	5	46,942	5	57,472	5	68,002	5	78,532	5	89,061	5	99,588
1/4	5,079	1/4	15,608	1/4	26,131	1/4	36,632	1/4	47,162	1/4	57,691	1/4	68,221	1/4	78,751	1/4	89,281	1/4	99,807
1/2	5,298	1/2	15,828	1/2	26,349	1/2	36,851	1/2	47,381	1/2	57,911	1/2	68,441	1/2	78,970	1/2	89,500	1/2	100,027
3/4	5,518	3/4	16,047	3/4	26,567	3/4	37,071	3/4	47,600	3/4	58,130	3/4	68,660	3/4	79,190	3/4	89,720	3/4	100,246
6	5,737	6	16,266	6	26,786	6	37,290	6	47,820	6	58,350	6	68,879	6	79,409	6	89,939	6	100,465
1/4	5,956	1/4	16,486	1/4	27,004	1/4	37,509	1/4	48,039	1/4	58,569	1/4	69,099	1/4	79,628	1/4	90,158	1/4	100,684
1/2	6,176	1/2	16,705	1/2	27,222	1/2	37,729	1/2	48,258	1/2	58,788	1/2	69,318	1/2	79,848	1/2	90,378	1/2	100,904
3/4	6,395	3/4	16,924	3/4	27,441	3/4	37,948	3/4	48,478	3/4	59,008	3/4	69,537	3/4	80,067	3/4	90,597	3/4	101,123
7	6,614	7	17,144	7	27,659	7	38,167	7	48,697	7	59,227	7	69,757	7	80,287	7	90,816	7	101,342
1/4	6,834	1/4	17,363	1/4	27,877	1/4	38,387	1/4	48,917	1/4	59,446	1/4	69,976	1/4	80,506	1/4	91,036	1/4	101,561
1/2	7,053	1/2	17,582	1/2	28,096	1/2	38,606	1/2	49,136	1/2	59,666	1/2	70,196	1/2	80,725	1/2	91,255	1/2	101,781
3/4	7,272	3/4	17,802	3/4	28,314	3/4	38,826	3/4	49,355	3/4	59,885	3/4	70,415	3/4	80,945	3/4	91,474	3/4	102,000
8	7,492	8	18,021	8	28,533	8	39,045	8	49,575	8	60,104	8	70,634	8	81,164	8	91,694	8	102,219
1/4	7,711	1/4	18,241	1/4	28,751	1/4	39,264	1/4	49,794	1/4	60,324	1/4	70,854	1/4	81,383	1/4	91,913	1/4	102,439
1/2	7,931	1/2	18,460	1/2	28,969	1/2	39,484	1/2	50,013	1/2	60,543	1/2	71,073	1/2	81,603	1/2	92,133	1/2	102,658
3/4	8,150	3/4	18,679	3/4	29,188	3/4	39,703	3/4	50,233	3/4	60,763	3/4	71,292	3/4	81,822	3/4	92,352	3/4	102,877
9	8,369	9	18,899	9	29,406	9	39,922	9	50,452	9	60,982	9	71,512	9	82,042	9	92,571	9	103,096
1/4	8,589	1/4	19,118	1/4	29,624	1/4	40,142	1/4	50,672	1/4	61,201	1/4	71,731	1/4	82,261	1/4	92,791	1/4	103,316
1/2	8,808	1/2	19,337	1/2	29,843	1/2	40,361	1/2	50,891	1/2	61,421	1/2	71,950	1/2	82,480	1/2	93,010	1/2	103,535
3/4	9,027	3/4	19,557	3/4	30,061	3/4	40,580	3/4	51,110	3/4	61,640	3/4	72,170	3/4	82,700	3/4	93,229	3/4	103,754
10	9,247	10	19,776	10	30,279	10	40,800	10	51,330	10	61,859	10	72,389	10	82,919	10	93,449	10	103,973
1/4	9,466	1/4	19,995	1/4	30,498	1/4	41,019	1/4	51,549	1/4	62,079	1/4	72,609	1/4	83,138	1/4	93,668	1/4	104,193
1/2	9,685	1/2	20,215	1/2	30,716	1/2	41,239	1/2	51,768	1/2	62,298	1/2	72,828	1/2	83,358	1/2	93,887	1/2	104,412
3/4	9,905	3/4	20,434	3/4	30,935	3/4	41,458	3/4	51,988	3/4	62,518	3/4	73,047	3/4	83,577	3/4	94,106	3/4	104,631
11	10,124	11	20,653	11	31,153	11	41,677	11	52,207	11	62,737	11	73,267	11	83,797	11	94,326	11	104,850
1/4	10,343	1/4	20,873	1/4	31,371	1/4	41,897	1/4	52,427	1/4	62,956	1/4	73,486	1/4	84,016	1/4	94,545	1/4	105,070
1/2	10,563	1/2	21,092	1/2	31,590	1/2	42,116	1/2	52,646	1/2	63,176	1/2	73,705	1/2	84,235	1/2	94,764	1/2	105,289
3/4	10,782	3/4	21,312	3/4	31,809	3/4	42,335	3/4	52,865	3/4	63,395	3/4	73,925	3/4	84,455	3/4	94,983	3/4	105,508

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



BARGE "CBC 1709"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 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	105,728	0	116,236	0	126,732	0		0		0		0		0		0		0	
1/4	105,947	1/4	116,455	1/4	126,951	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	106,166	1/2	116,674	1/2	127,169	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	106,385	3/4	116,892	3/4	127,388	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	106,605	1	117,111	1	127,607	1		1		1		1		1		1		1	
1/4	106,824	1/4	117,330	1/4	127,825	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	107,043	1/2	117,548	1/2	128,044	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	107,262	3/4	117,767	3/4	128,263	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	107,482	2	117,986	2	128,481	2		2		2		2		2		2		2	
1/4	107,701	1/4	118,204	1/4	128,700	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	107,920	1/2	118,423	1/2	128,919	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	108,139	3/4	118,642	3/4	129,137	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	108,359	3	118,860	3	129,356	3		3		3		3		3		3		3	
1/4	108,578	1/4	119,079	1/4	129,574	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	108,797	1/2	119,298	1/2	129,793	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	109,017	3/4	119,516	3/4	130,005	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	109,236	4	119,735	4	130,217	4		4		4		4		4		4		4	
1/4	109,455	1/4	119,954	1/4	130,429	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	109,674	1/2	120,172	1/2	130,641	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	109,894	3/4	120,391	3/4	130,822	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	110,113	5	120,610	5	131,002	5		5		5		5		5		5		5	
1/4	110,332	1/4	120,828	1/4	131,182	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	110,551	1/2	121,047	1/2	131,363	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	110,770	3/4	121,266	3/4	131,506	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	110,989	6	121,484	6	131,650	6		6		6		6		6		6		6	
1/4	111,207	1/4	121,703	1/4	131,794	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,426	1/2	121,922	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	111,645	3/4	122,140	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	111,863	7	122,359	7		7		7		7		7		7		7		7	
1/4	112,082	1/4	122,578	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,301	1/2	122,796	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,519	3/4	123,015	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	112,738	8	123,233	8		8		8		8		8		8		8		8	
1/4	112,957	1/4	123,452	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,175	1/2	123,671	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,394	3/4	123,889	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	113,613	9	124,108	9		9		9		9		9		9		9		9	
1/4	113,831	1/4	124,327	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,050	1/2	124,545	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,269	3/4	124,764	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	114,487	10	124,983	10		10		10		10		10		10		10		10	
1/4	114,706	1/4	125,201	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,925	1/2	125,420	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,143	3/4	125,639	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	115,362	11	125,857	11		11		11		11		11		11		11		11	
1/4	115,581	1/4	126,076	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	115,799	1/2	126,295	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	116,018	3/4	126,513	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: 04/15/2020 JS
CALCULATED: 04/16/2020 CL
PRINTED: 04/17/2020 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 4/2020



BARGE "CBC 1709"

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	752	0	10,998	0	21,523	0	31,762	0	42,240	0	52,766	0	63,292	0	73,818	0	84,344	0	94,869
1/4	889	1/4	11,217	1/4	21,742	1/4	31,973	1/4	42,460	1/4	52,986	1/4	63,511	1/4	74,037	1/4	84,563	1/4	95,088
1/2	1,026	1/2	11,436	1/2	21,962	1/2	32,185	1/2	42,679	1/2	53,205	1/2	63,731	1/2	74,257	1/2	84,783	1/2	95,307
3/4	1,218	3/4	11,655	3/4	22,181	3/4	32,396	3/4	42,898	3/4	53,424	3/4	63,950	3/4	74,476	3/4	85,002	3/4	95,526
1	1,410	1	11,875	1	22,400	1	32,607	1	43,118	1	53,643	1	64,169	1	74,695	1	85,221	1	95,746
1/4	1,602	1/4	12,094	1/4	22,619	1/4	32,819	1/4	43,337	1/4	53,863	1/4	64,389	1/4	74,915	1/4	85,441	1/4	95,965
1/2	1,793	1/2	12,313	1/2	22,839	1/2	33,030	1/2	43,556	1/2	54,082	1/2	64,608	1/2	75,134	1/2	85,660	1/2	96,184
3/4	2,012	3/4	12,533	3/4	23,058	3/4	33,249	3/4	43,775	3/4	54,301	3/4	64,827	3/4	75,353	3/4	85,879	3/4	96,403
2	2,230	2	12,752	2	23,277	2	33,469	2	43,995	2	54,521	2	65,047	2	75,572	2	86,098	2	96,622
1/4	2,448	1/4	12,971	1/4	23,497	1/4	33,688	1/4	44,214	1/4	54,740	1/4	65,266	1/4	75,792	1/4	86,318	1/4	96,842
1/2	2,666	1/2	13,190	1/2	23,716	1/2	33,907	1/2	44,433	1/2	54,959	1/2	65,485	1/2	76,011	1/2	86,537	1/2	97,061
3/4	2,885	3/4	13,410	3/4	23,935	3/4	34,127	3/4	44,653	3/4	55,178	3/4	65,704	3/4	76,230	3/4	86,756	3/4	97,280
3	3,104	3	13,629	3	24,154	3	34,346	3	44,872	3	55,398	3	65,924	3	76,450	3	86,976	3	97,499
1/4	3,323	1/4	13,848	1/4	24,374	1/4	34,565	1/4	45,091	1/4	55,617	1/4	66,143	1/4	76,669	1/4	87,195	1/4	97,718
1/2	3,542	1/2	14,067	1/2	24,593	1/2	34,784	1/2	45,310	1/2	55,836	1/2	66,362	1/2	76,888	1/2	87,414	1/2	97,938
3/4	3,761	3/4	14,287	3/4	24,804	3/4	35,004	3/4	45,530	3/4	56,056	3/4	66,582	3/4	77,107	3/4	87,633	3/4	98,157
4	3,981	4	14,506	4	25,015	4	35,223	4	45,749	4	56,275	4	66,801	4	77,327	4	87,853	4	98,376
1/4	4,200	1/4	14,725	1/4	25,225	1/4	35,442	1/4	45,968	1/4	56,494	1/4	67,020	1/4	77,546	1/4	88,072	1/4	98,595
1/2	4,419	1/2	14,945	1/2	25,436	1/2	35,662	1/2	46,188	1/2	56,713	1/2	67,239	1/2	77,765	1/2	88,291	1/2	98,814
3/4	4,638	3/4	15,164	3/4	25,647	3/4	35,881	3/4	46,407	3/4	56,933	3/4	67,459	3/4	77,985	3/4	88,511	3/4	99,033
5	4,858	5	15,383	5	25,858	5	36,100	5	46,626	5	57,152	5	67,678	5	78,204	5	88,730	5	99,253
1/4	5,077	1/4	15,602	1/4	26,069	1/4	36,320	1/4	46,845	1/4	57,371	1/4	67,897	1/4	78,423	1/4	88,949	1/4	99,472
1/2	5,296	1/2	15,822	1/2	26,279	1/2	36,539	1/2	47,065	1/2	57,591	1/2	68,117	1/2	78,643	1/2	89,168	1/2	99,691
3/4	5,516	3/4	16,041	3/4	26,490	3/4	36,758	3/4	47,284	3/4	57,810	3/4	68,336	3/4	78,862	3/4	89,388	3/4	99,910
6	5,735	6	16,260	6	26,701	6	36,977	6	47,503	6	58,029	6	68,555	6	79,081	6	89,607	6	100,129
1/4	5,954	1/4	16,480	1/4	26,912	1/4	37,197	1/4	47,723	1/4	58,249	1/4	68,774	1/4	79,300	1/4	89,826	1/4	100,349
1/2	6,173	1/2	16,699	1/2	27,123	1/2	37,416	1/2	47,942	1/2	58,468	1/2	68,994	1/2	79,520	1/2	90,046	1/2	100,568
3/4	6,393	3/4	16,918	3/4	27,334	3/4	37,635	3/4	48,161	3/4	58,687	3/4	69,213	3/4	79,739	3/4	90,265	3/4	100,787
7	6,612	7	17,137	7	27,544	7	37,855	7	48,380	7	58,906	7	69,432	7	79,958	7	90,484	7	101,006
1/4	6,831	1/4	17,357	1/4	27,755	1/4	38,074	1/4	48,600	1/4	59,126	1/4	69,652	1/4	80,178	1/4	90,703	1/4	101,225
1/2	7,050	1/2	17,576	1/2	27,966	1/2	38,293	1/2	48,819	1/2	59,345	1/2	69,871	1/2	80,397	1/2	90,923	1/2	101,445
3/4	7,270	3/4	17,795	3/4	28,177	3/4	38,512	3/4	49,038	3/4	59,564	3/4	70,090	3/4	80,616	3/4	91,142	3/4	101,664
8	7,489	8	18,015	8	28,388	8	38,732	8	49,258	8	59,784	8	70,309	8	80,835	8	91,361	8	101,883
1/4	7,708	1/4	18,234	1/4	28,598	1/4	38,951	1/4	49,477	1/4	60,003	1/4	70,529	1/4	81,055	1/4	91,581	1/4	102,102
1/2	7,928	1/2	18,453	1/2	28,809	1/2	39,170	1/2	49,696	1/2	60,222	1/2	70,748	1/2	81,274	1/2	91,800	1/2	102,321
3/4	8,147	3/4	18,672	3/4	29,020	3/4	39,390	3/4	49,916	3/4	60,441	3/4	70,967	3/4	81,493	3/4	92,019	3/4	102,540
9	8,366	9	18,892	9	29,231	9	39,609	9	50,135	9	60,661	9	71,187	9	81,713	9	92,238	9	102,760
1/4	8,585	1/4	19,111	1/4	29,442	1/4	39,828	1/4	50,354	1/4	60,880	1/4	71,406	1/4	81,932	1/4	92,458	1/4	102,979
1/2	8,805	1/2	19,330	1/2	29,652	1/2	40,047	1/2	50,573	1/2	61,099	1/2	71,625	1/2	82,151	1/2	92,677	1/2	103,198
3/4	9,024	3/4	19,550	3/4	29,863	3/4	40,267	3/4	50,793	3/4	61,319	3/4	71,845	3/4	82,370	3/4	92,896	3/4	103,417
10	9,243	10	19,769	10	30,074	10	40,486	10	51,012	10	61,538	10	72,064	10	82,590	10	93,115	10	103,636
1/4	9,463	1/4	19,988	1/4	30,285	1/4	40,705	1/4	51,231	1/4	61,757	1/4	72,283	1/4	82,809	1/4	93,335	1/4	103,856
1/2	9,682	1/2	20,207	1/2	30,496	1/2	40,925	1/2	51,451	1/2	61,976	1/2	72,502	1/2	83,028	1/2	93,554	1/2	104,075
3/4	9,901	3/4	20,427	3/4	30,707	3/4	41,144	3/4	51,670	3/4	62,196	3/4	72,722	3/4	83,248	3/4	93,773	3/4	104,294
11	10,120	11	20,646	11	30,917	11	41,363	11	51,889	11	62,415	11	72,941	11	83,467	11	93,992	11	104,513
1/4	10,340	1/4	20,865	1/4	31,128	1/4	41,582	1/4	52,108	1/4	62,634	1/4	73,160	1/4	83,686	1/4	94,211	1/4	104,732
1/2	10,559	1/2	21,084	1/2	31,339	1/2	41,802	1/2	52,328	1/2	62,854	1/2	73,380	1/2	83,905	1/2	94,431	1/2	104,952
3/4	10,778	3/4	21,304	3/4	31,550	3/4	42,021	3/4	52,547	3/4	63,073	3/4	73,599	3/4	84,125	3/4	94,650	3/4	105,171

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 1709"

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	105,390	0	115,895	0	126,387	0		0		0		0		0		0		0	
1/4	105,609	1/4	116,114	1/4	126,605	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	105,828	1/2	116,332	1/2	126,824	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	106,047	3/4	116,551	3/4	127,042	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	106,267	1	116,769	1	127,261	1		1		1		1		1		1		1	
1/4	106,486	1/4	116,988	1/4	127,479	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	106,705	1/2	117,206	1/2	127,698	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	106,924	3/4	117,425	3/4	127,917	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	107,143	2	117,644	2	128,135	2		2		2		2		2		2		2	
1/4	107,363	1/4	117,862	1/4	128,354	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	107,582	1/2	118,081	1/2	128,572	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	107,801	3/4	118,299	3/4	128,791	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	108,020	3	118,518	3	129,009	3		3		3		3		3		3		3	
1/4	108,239	1/4	118,736	1/4	129,228	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	108,458	1/2	118,955	1/2	129,446	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	108,678	3/4	119,174	3/4	129,658	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	108,897	4	119,392	4	129,870	4		4		4		4		4		4		4	
1/4	109,116	1/4	119,611	1/4	130,082	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	109,335	1/2	119,829	1/2	130,294	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	109,554	3/4	120,048	3/4	130,475	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	109,774	5	120,266	5	130,655	5		5		5		5		5		5		5	
1/4	109,993	1/4	120,485	1/4	130,835	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	110,212	1/2	120,704	1/2	131,016	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	110,431	3/4	120,922	3/4	131,159	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	110,649	6	121,141	6	131,303	6		6		6		6		6		6		6	
1/4	110,868	1/4	121,359	1/4	131,447	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,086	1/2	121,578	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	111,305	3/4	121,796	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	111,523	7	122,015	7		7		7		7		7		7		7		7	
1/4	111,742	1/4	122,234	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,961	1/2	122,452	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,179	3/4	122,671	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	112,398	8	122,889	8		8		8		8		8		8		8		8	
1/4	112,616	1/4	123,108	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,835	1/2	123,327	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,053	3/4	123,545	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	113,272	9	123,764	9		9		9		9		9		9		9		9	
1/4	113,491	1/4	123,982	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,709	1/2	124,201	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,928	3/4	124,419	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	114,146	10	124,638	10		10		10		10		10		10		10		10	
1/4	114,365	1/4	124,857	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,583	1/2	125,075	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,802	3/4	125,294	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	115,021	11	125,512	11		11		11		11		11		11		11		11	
1/4	115,239	1/4	125,731	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	115,458	1/2	125,949	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,676	3/4	126,168	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: 04/15/2020 JS
CALCULATED: 04/16/2020 CL
PRINTED: 04/17/2020 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 4/2020



BARGE "CBC 1709"

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	15,568	0	34,215	0	52,842	0	71,480	0	90,127	0	108,774	0	127,421	0	146,067	0	164,713
1/4	88	1/4	15,956	1/4	34,603	1/4	53,230	1/4	71,868	1/4	90,515	1/4	109,162	1/4	127,810	1/4	146,456	1/4	165,102
1/2	136	1/2	16,345	1/2	34,991	1/2	53,617	1/2	72,257	1/2	90,904	1/2	109,551	1/2	128,198	1/2	146,844	1/2	165,490
3/4	185	3/4	16,733	3/4	35,380	3/4	54,005	3/4	72,645	3/4	91,292	3/4	109,939	3/4	128,586	3/4	147,233	3/4	165,878
1	233	1	17,122	1	35,768	1	54,393	1	73,034	1	91,681	1	110,328	1	128,975	1	147,621	1	166,267
1/4	379	1/4	17,510	1/4	36,157	1/4	54,780	1/4	73,422	1/4	92,069	1/4	110,716	1/4	129,363	1/4	148,010	1/4	166,655
1/2	525	1/2	17,899	1/2	36,545	1/2	55,168	1/2	73,811	1/2	92,458	1/2	111,105	1/2	129,752	1/2	148,398	1/2	167,043
3/4	670	3/4	18,287	3/4	36,934	3/4	55,556	3/4	74,199	3/4	92,846	3/4	111,493	3/4	130,140	3/4	148,787	3/4	167,431
2	816	2	18,676	2	37,322	2	55,944	2	74,588	2	93,235	2	111,882	2	130,529	2	149,175	2	167,820
1/4	1,059	1/4	19,064	1/4	37,711	1/4	56,332	1/4	74,976	1/4	93,623	1/4	112,270	1/4	130,917	1/4	149,563	1/4	168,208
1/2	1,302	1/2	19,453	1/2	38,099	1/2	56,720	1/2	75,364	1/2	94,012	1/2	112,659	1/2	131,306	1/2	149,952	1/2	168,596
3/4	1,545	3/4	19,841	3/4	38,488	3/4	57,108	3/4	75,753	3/4	94,400	3/4	113,047	3/4	131,694	3/4	150,340	3/4	168,985
3	1,787	3	20,229	3	38,876	3	57,496	3	76,141	3	94,789	3	113,436	3	132,083	3	150,729	3	169,373
1/4	2,127	1/4	20,618	1/4	39,265	1/4	57,884	1/4	76,530	1/4	95,177	1/4	113,824	1/4	132,471	1/4	151,117	1/4	169,761
1/2	2,467	1/2	21,006	1/2	39,653	1/2	58,272	1/2	76,918	1/2	95,566	1/2	114,213	1/2	132,860	1/2	151,506	1/2	170,149
3/4	2,807	3/4	21,395	3/4	40,042	3/4	58,660	3/4	77,307	3/4	95,954	3/4	114,601	3/4	133,248	3/4	151,894	3/4	170,538
4	3,147	4	21,783	4	40,430	4	59,048	4	77,695	4	96,343	4	114,990	4	133,636	4	152,283	4	170,926
1/4	3,533	1/4	22,172	1/4	40,819	1/4	59,437	1/4	78,084	1/4	96,731	1/4	115,378	1/4	134,025	1/4	152,671	1/4	171,314
1/2	3,920	1/2	22,560	1/2	41,207	1/2	59,825	1/2	78,472	1/2	97,119	1/2	115,767	1/2	134,413	1/2	153,060	1/2	171,703
3/4	4,306	3/4	22,949	3/4	41,596	3/4	60,214	3/4	78,861	3/4	97,508	3/4	116,155	3/4	134,802	3/4	153,448	3/4	172,091
5	4,693	5	23,337	5	41,984	5	60,602	5	79,249	5	97,896	5	116,544	5	135,190	5	153,837	5	172,479
1/4	5,081	1/4	23,726	1/4	42,372	1/4	60,991	1/4	79,638	1/4	98,285	1/4	116,932	1/4	135,579	1/4	154,225	1/4	172,867
1/2	5,469	1/2	24,114	1/2	42,761	1/2	61,379	1/2	80,026	1/2	98,673	1/2	117,321	1/2	135,967	1/2	154,613	1/2	173,256
3/4	5,857	3/4	24,503	3/4	43,149	3/4	61,768	3/4	80,415	3/4	99,062	3/4	117,709	3/4	136,356	3/4	155,002	3/4	173,644
6	6,245	6	24,891	6	43,538	6	62,156	6	80,803	6	99,450	6	118,098	6	136,744	6	155,390	6	174,032
1/4	6,633	1/4	25,280	1/4	43,926	1/4	62,545	1/4	81,192	1/4	99,839	1/4	118,486	1/4	137,133	1/4	155,779	1/4	174,420
1/2	7,022	1/2	25,668	1/2	44,313	1/2	62,933	1/2	81,580	1/2	100,227	1/2	118,874	1/2	137,521	1/2	156,167	1/2	174,809
3/4	7,410	3/4	26,057	3/4	44,701	3/4	63,322	3/4	81,969	3/4	100,616	3/4	119,263	3/4	137,910	3/4	156,556	3/4	175,197
7	7,798	7	26,445	7	45,089	7	63,710	7	82,357	7	101,004	7	119,651	7	138,298	7	156,944	7	175,585
1/4	8,187	1/4	26,834	1/4	45,476	1/4	64,098	1/4	82,746	1/4	101,393	1/4	120,040	1/4	138,686	1/4	157,333	1/4	175,974
1/2	8,575	1/2	27,222	1/2	45,864	1/2	64,487	1/2	83,134	1/2	101,781	1/2	120,428	1/2	139,075	1/2	157,721	1/2	176,362
3/4	8,964	3/4	27,610	3/4	46,252	3/4	64,875	3/4	83,523	3/4	102,170	3/4	120,817	3/4	139,463	3/4	158,110	3/4	176,750
8	9,352	8	27,999	8	46,639	8	65,264	8	83,911	8	102,558	8	121,205	8	139,852	8	158,498	8	177,138
1/4	9,741	1/4	28,387	1/4	47,027	1/4	65,652	1/4	84,300	1/4	102,947	1/4	121,594	1/4	140,240	1/4	158,887	1/4	177,527
1/2	10,129	1/2	28,776	1/2	47,415	1/2	66,041	1/2	84,688	1/2	103,335	1/2	121,982	1/2	140,629	1/2	159,275	1/2	177,915
3/4	10,518	3/4	29,164	3/4	47,802	3/4	66,429	3/4	85,077	3/4	103,724	3/4	122,371	3/4	141,017	3/4	159,663	3/4	178,303
9	10,906	9	29,553	9	48,190	9	66,818	9	85,465	9	104,112	9	122,759	9	141,406	9	160,052	9	178,692
1/4	11,295	1/4	29,941	1/4	48,578	1/4	67,206	1/4	85,854	1/4	104,501	1/4	123,148	1/4	141,794	1/4	160,440	1/4	179,080
1/2	11,683	1/2	30,330	1/2	48,965	1/2	67,595	1/2	86,242	1/2	104,889	1/2	123,536	1/2	142,183	1/2	160,829	1/2	179,468
3/4	12,072	3/4	30,718	3/4	49,353	3/4	67,983	3/4	86,630	3/4	105,278	3/4	123,925	3/4	142,571	3/4	161,217	3/4	179,856
10	12,460	10	31,107	10	49,741	10	68,372	10	87,019	10	105,666	10	124,313	10	142,960	10	161,606	10	180,245
1/4	12,849	1/4	31,495	1/4	50,128	1/4	68,760	1/4	87,407	1/4	106,055	1/4	124,702	1/4	143,348	1/4	161,994	1/4	180,633
1/2	13,237	1/2	31,884	1/2	50,516	1/2	69,149	1/2	87,796	1/2	106,443	1/2	125,090	1/2	143,737	1/2	162,383	1/2	181,021
3/4	13,625	3/4	32,272	3/4	50,904	3/4	69,537	3/4	88,184	3/4	106,832	3/4	125,479	3/4	144,125	3/4	162,771	3/4	181,410
11	14,014	11	32,661	11	51,291	11	69,926	11	88,573	11	107,220	11	125,867	11	144,513	11	163,160	11	181,798
1/4	14,402	1/4	33,049	1/4	51,679	1/4	70,314	1/4	88,961	1/4	107,609	1/4	126,256	1/4	144,902	1/4	163,548	1/4	182,186
1/2	14,791	1/2	33,438	1/2	52,067	1/2	70,703	1/2	89,350	1/2	107,997	1/2	126,644	1/2	145,290	1/2	163,937	1/2	182,574
3/4	15,179	3/4	33,826	3/4	52,454	3/4	71,091	3/4	89,738	3/4	108,385	3/4	127,033	3/4	145,679	3/4	164,325	3/4	182,963

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 01'-03" OFF CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "CBC 1709"

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	183,351	0	201,980	0	220,592	0	235,284	0		0		0		0		0		0	
1/4	183,739	1/4	202,368	1/4	220,980	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	184,128	1/2	202,755	1/2	221,367	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	184,516	3/4	203,143	3/4	221,755	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	203,531	1	222,143	1		1	1	1	1	1	1	1	1	1	1	1	1
1/4	185,292	1/4	203,919	1/4	222,531	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	185,681	1/2	204,306	1/2	222,918	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	186,069	3/4	204,694	3/4	223,306	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	186,457	2	205,082	2	223,694	2		2	2	2	2	2	2	2	2	2	2	2	2
1/4	186,845	1/4	205,470	1/4	224,082	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	187,234	1/2	205,857	1/2	224,469	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	187,622	3/4	206,245	3/4	224,857	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	188,010	3	206,633	3	225,245	3		3	3	3	3	3	3	3	3	3	3	3	3
1/4	188,399	1/4	207,021	1/4	225,633	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	188,787	1/2	207,408	1/2	226,020	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	189,175	3/4	207,796	3/4	226,408	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	189,563	4	208,184	4	226,796	4		4	4	4	4	4	4	4	4	4	4	4	4
1/4	189,952	1/4	208,572	1/4	227,184	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	190,340	1/2	208,959	1/2	227,571	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	190,728	3/4	209,347	3/4	227,959	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	191,117	5	209,735	5	228,347	5		5	5	5	5	5	5	5	5	5	5	5	5
1/4	191,505	1/4	210,123	1/4	228,734	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	191,893	1/2	210,510	1/2	229,122	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	192,281	3/4	210,898	3/4	229,510	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	192,670	6	211,286	6	229,897	6		6	6	6	6	6	6	6	6	6	6	6	6
1/4	193,058	1/4	211,674	1/4	230,276	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	193,446	1/2	212,061	1/2	230,656	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	193,835	3/4	212,449	3/4	231,035	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	194,223	7	212,837	7	231,414	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	194,611	1/4	213,225	1/4	231,737	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	194,999	1/2	213,612	1/2	232,060	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	195,388	3/4	214,000	3/4	232,383	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	195,776	8	214,388	8	232,706	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	196,164	1/4	214,776	1/4	232,964	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	196,551	1/2	215,163	1/2	233,222	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	196,939	3/4	215,551	3/4	233,481	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	197,327	9	215,939	9	233,739	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	197,715	1/4	216,327	1/4	233,932	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	198,102	1/2	216,714	1/2	234,126	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	198,490	3/4	217,102	3/4	234,319	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	198,878	10	217,490	10	234,513	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	199,266	1/4	217,878	1/4	234,642	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	199,653	1/2	218,265	1/2	234,770	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	200,041	3/4	218,653	3/4	234,899	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	200,429	11	219,041	11	235,028	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	200,817	1/4	219,429	1/4	235,092	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	201,204	1/2	219,816	1/2	235,156	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	201,592	3/4	220,204	3/4	235,220	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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/15/2020 JS
CALCULATED: 04/16/2020 CL
PRINTED: 04/17/2020 SW

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 4/2020



BARGE "CBC 1709"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS 00-5/8"
 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'-03"

April 15, 2020

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1709"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 1/4"

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	217,111	0	200,649	0	184,181	0	166,389	0	147,575	0	128,761	0	109,975		
1/4	1/4	1/4	1/4	1/4	1/4	230,186	1/4	216,768	1/4	200,306	1/4	183,837	1/4	165,997	1/4	147,183	1/4	128,369	1/4	109,584
1/2	1/2	1/2	1/2	1/2	1/2	230,124	1/2	216,425	1/2	199,963	1/2	183,493	1/2	165,605	1/2	146,791	1/2	127,977	1/2	109,192
3/4	3/4	3/4	3/4	3/4	3/4	230,061	3/4	216,082	3/4	199,620	3/4	183,149	3/4	165,213	3/4	146,399	3/4	127,585	3/4	108,800
1	1	1	1	1	1	229,999	1	215,739	1	199,277	1	182,805	1	164,821	1	146,007	1	127,193	1	108,408
1/4	1/4	1/4	1/4	1/4	1/4	229,937	1/4	215,396	1/4	198,934	1/4	182,461	1/4	164,429	1/4	145,615	1/4	126,801	1/4	108,016
1/2	1/2	1/2	1/2	1/2	1/2	229,809	1/2	215,053	1/2	198,591	1/2	182,118	1/2	164,037	1/2	145,223	1/2	126,409	1/2	107,625
3/4	3/4	3/4	3/4	3/4	3/4	229,681	3/4	214,710	3/4	198,248	3/4	181,774	3/4	163,645	3/4	144,831	3/4	126,017	3/4	107,233
2	2	2	2	2	2	229,553	2	214,367	2	197,905	2	181,430	2	163,253	2	144,439	2	125,625	2	106,841
1/4	1/4	1/4	1/4	1/4	1/4	229,426	1/4	214,024	1/4	197,562	1/4	181,086	1/4	162,861	1/4	144,047	1/4	125,233	1/4	106,449
1/2	1/2	1/2	1/2	1/2	1/2	229,233	1/2	213,681	1/2	197,219	1/2	180,742	1/2	162,469	1/2	143,655	1/2	124,842	1/2	106,057
3/4	3/4	3/4	3/4	3/4	3/4	229,039	3/4	213,338	3/4	196,876	3/4	180,398	3/4	162,077	3/4	143,263	3/4	124,451	3/4	105,665
3	3	3	3	3	3	228,846	3	212,995	3	196,533	3	180,054	3	161,685	3	142,871	3	124,059	3	105,274
1/4	1/4	1/4	1/4	1/4	1/4	228,653	1/4	212,652	1/4	196,190	1/4	179,711	1/4	161,293	1/4	142,479	1/4	123,668	1/4	104,882
1/2	1/2	1/2	1/2	1/2	1/2	228,394	1/2	212,309	1/2	195,848	1/2	179,367	1/2	160,901	1/2	142,087	1/2	123,277	1/2	104,490
3/4	3/4	3/4	3/4	3/4	3/4	228,136	3/4	211,966	3/4	195,505	3/4	179,023	3/4	160,509	3/4	141,695	3/4	122,886	3/4	104,098
4	4	4	4	4	4	227,877	4	211,623	4	195,162	4	178,679	4	160,118	4	141,303	4	122,494	4	103,706
1/4	1/4	1/4	1/4	1/4	1/4	227,619	1/4	211,280	1/4	194,819	1/4	178,335	1/4	159,726	1/4	140,912	1/4	122,103	1/4	103,314
1/2	1/2	1/2	1/2	1/2	1/2	227,295	1/2	210,937	1/2	194,476	1/2	177,991	1/2	159,334	1/2	140,520	1/2	121,712	1/2	102,923
3/4	3/4	3/4	3/4	3/4	3/4	226,971	3/4	210,594	3/4	194,133	3/4	177,647	3/4	158,942	3/4	140,128	3/4	121,321	3/4	102,531
5	5	5	5	5	5	226,647	5	210,251	5	193,790	5	177,303	5	158,550	5	139,736	5	120,930	5	102,139
1/4	1/4	1/4	1/4	1/4	1/4	226,323	1/4	209,909	1/4	193,447	1/4	176,960	1/4	158,158	1/4	139,344	1/4	120,538	1/4	101,747
1/2	1/2	1/2	1/2	1/2	1/2	225,991	1/2	209,566	1/2	193,104	1/2	176,568	1/2	157,766	1/2	138,952	1/2	120,147	1/2	101,355
3/4	3/4	3/4	3/4	3/4	3/4	225,660	3/4	209,223	3/4	192,761	3/4	176,177	3/4	157,374	3/4	138,560	3/4	119,756	3/4	100,963
6	6	6	6	6	6	225,329	6	208,880	6	192,418	6	175,785	6	156,982	6	138,168	6	119,365	6	100,572
1/4	1/4	1/4	1/4	1/4	1/4	224,998	1/4	208,537	1/4	192,075	1/4	175,394	1/4	156,590	1/4	137,776	1/4	118,973	1/4	100,180
1/2	1/2	1/2	1/2	1/2	1/2	224,655	1/2	208,194	1/2	191,732	1/2	175,002	1/2	156,198	1/2	137,384	1/2	118,582	1/2	99,788
3/4	3/4	3/4	3/4	3/4	3/4	224,312	3/4	207,851	3/4	191,389	3/4	174,611	3/4	155,806	3/4	136,992	3/4	118,191	3/4	99,396
7	7	7	7	7	7	223,969	7	207,508	7	191,046	7	174,219	7	155,414	7	136,600	7	117,800	7	99,004
1/4	1/4	1/4	1/4	1/4	1/4	223,627	1/4	207,165	1/4	190,703	1/4	173,828	1/4	155,022	1/4	136,208	1/4	117,409	1/4	98,612
1/2	1/2	1/2	1/2	1/2	1/2	223,284	1/2	206,822	1/2	190,360	1/2	173,436	1/2	154,630	1/2	135,816	1/2	117,017	1/2	98,220
3/4	3/4	3/4	3/4	3/4	3/4	222,941	3/4	206,479	3/4	190,017	3/4	173,045	3/4	154,238	3/4	135,424	3/4	116,626	3/4	97,829
8	8	8	8	8	8	222,598	8	206,136	8	189,674	8	172,654	8	153,846	8	135,032	8	116,235	8	97,437
1/4	1/4	1/4	1/4	1/4	1/4	222,255	1/4	205,793	1/4	189,331	1/4	172,262	1/4	153,454	1/4	134,640	1/4	115,844	1/4	97,045
1/2	1/2	1/2	1/2	1/2	1/2	221,912	1/2	205,450	1/2	188,988	1/2	171,871	1/2	153,062	1/2	134,248	1/2	115,452	1/2	96,653
3/4	3/4	3/4	3/4	3/4	3/4	221,569	3/4	205,107	3/4	188,646	3/4	171,479	3/4	152,670	3/4	133,856	3/4	115,061	3/4	96,261
9	9	9	9	9	9	221,226	9	204,764	9	188,303	9	171,088	9	152,278	9	133,464	9	114,670	9	95,869
1/4	1/4	1/4	1/4	1/4	1/4	220,883	1/4	204,421	1/4	187,960	1/4	170,696	1/4	151,886	1/4	133,072	1/4	114,279	1/4	95,478
1/2	1/2	1/2	1/2	1/2	1/2	220,540	1/2	204,078	1/2	187,617	1/2	170,305	1/2	151,494	1/2	132,680	1/2	113,888	1/2	95,086
3/4	3/4	3/4	3/4	3/4	3/4	220,197	3/4	203,735	3/4	187,274	3/4	169,913	3/4	151,102	3/4	132,288	3/4	113,496	3/4	94,694
10	10	10	10	10	10	219,854	10	203,392	10	186,931	10	169,522	10	150,711	10	131,896	10	113,105	10	94,302
1/4	1/4	1/4	1/4	1/4	1/4	219,511	1/4	203,050	1/4	186,588	1/4	169,130	1/4	150,319	1/4	131,505	1/4	112,714	1/4	93,910
1/2	1/2	1/2	1/2	1/2	1/2	219,168	1/2	202,707	1/2	186,244	1/2	168,739	1/2	149,927	1/2	131,113	1/2	112,323	1/2	93,518
3/4	3/4	3/4	3/4	3/4	3/4	218,825	3/4	202,364	3/4	185,900	3/4	168,347	3/4	149,535	3/4	130,721	3/4	111,932	3/4	93,127
11	11	11	11	11	11	218,482	11	202,021	11	185,556	11	167,956	11	149,143	11	130,329	11	111,540	11	92,735
1/4	1/4	1/4	1/4	1/4	1/4	218,139	1/4	201,678	1/4	185,212	1/4	167,565	1/4	148,751	1/4	129,937	1/4	111,149	1/4	92,343
1/2	1/2	1/2	1/2	1/2	1/2	217,796	1/2	201,335	1/2	184,869	1/2	167,173	1/2	148,359	1/2	129,545	1/2	110,758	1/2	91,951
3/4	3/4	3/4	3/4	3/4	3/4	217,453	3/4	200,992	3/4	184,525	3/4	166,781	3/4	147,967	3/4	129,153	3/4	110,366	3/4	91,559

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.

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 1709"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 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	91,167	0	72,359	0	53,632	0	34,959	0	16,122	0	89	0		0		0		0	
1/4	90,776	1/4	71,967	1/4	53,245	1/4	34,567	1/4	15,729	1/4	39	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,384	1/2	71,575	1/2	52,859	1/2	34,175	1/2	15,337	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,992	3/4	71,184	3/4	52,473	3/4	33,783	3/4	14,944	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	89,600	1	70,792	1	52,087	1	33,391	1	14,552	1		1		1		1		1	
1/4	89,208	1/4	70,400	1/4	51,700	1/4	32,999	1/4	14,159	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,816	1/2	70,008	1/2	51,314	1/2	32,607	1/2	13,767	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,425	3/4	69,616	3/4	50,928	3/4	32,214	3/4	13,374	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	88,033	2	69,224	2	50,542	2	31,822	2	12,982	2		2		2		2		2	
1/4	87,641	1/4	68,833	1/4	50,155	1/4	31,429	1/4	12,589	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,249	1/2	68,441	1/2	49,769	1/2	31,037	1/2	12,197	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,857	3/4	68,049	3/4	49,383	3/4	30,644	3/4	11,804	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	86,465	3	67,657	3	48,997	3	30,252	3	11,412	3		3		3		3		3	
1/4	86,073	1/4	67,265	1/4	48,610	1/4	29,859	1/4	11,019	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,682	1/2	66,873	1/2	48,224	1/2	29,467	1/2	10,627	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,290	3/4	66,482	3/4	47,838	3/4	29,074	3/4	10,234	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	84,898	4	66,090	4	47,452	4	28,682	4	9,842	4		4		4		4		4	
1/4	84,506	1/4	65,698	1/4	47,066	1/4	28,289	1/4	9,449	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,114	1/2	65,306	1/2	46,679	1/2	27,897	1/2	9,057	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,722	3/4	64,914	3/4	46,293	3/4	27,504	3/4	8,664	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	83,331	5	64,522	5	45,907	5	27,112	5	8,272	5		5		5		5		5	
1/4	82,939	1/4	64,131	1/4	45,521	1/4	26,719	1/4	7,879	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,547	1/2	63,739	1/2	45,134	1/2	26,327	1/2	7,487	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,155	3/4	63,347	3/4	44,748	3/4	25,934	3/4	7,094	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	81,763	6	62,955	6	44,362	6	25,542	6	6,702	6		6		6		6		6	
1/4	81,371	1/4	62,563	1/4	43,976	1/4	25,149	1/4	6,309	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,980	1/2	62,171	1/2	43,584	1/2	24,757	1/2	5,917	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,588	3/4	61,779	3/4	43,192	3/4	24,364	3/4	5,525	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	80,196	7	61,388	7	42,800	7	23,972	7	5,134	7		7		7		7		7	
1/4	79,804	1/4	60,996	1/4	42,408	1/4	23,579	1/4	4,742	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,412	1/2	60,604	1/2	42,016	1/2	23,187	1/2	4,351	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,020	3/4	60,212	3/4	41,624	3/4	22,794	3/4	3,960	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	78,629	8	59,820	8	41,232	8	22,402	8	3,570	8		8		8		8		8	
1/4	78,237	1/4	59,428	1/4	40,840	1/4	22,009	1/4	3,179	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,845	1/2	59,042	1/2	40,448	1/2	21,617	1/2	2,836	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,453	3/4	58,655	3/4	40,056	3/4	21,224	3/4	2,492	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	77,061	9	58,268	9	39,664	9	20,832	9	2,149	9		9		9		9		9	
1/4	76,669	1/4	57,882	1/4	39,272	1/4	20,439	1/4	1,806	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,278	1/2	57,495	1/2	38,880	1/2	20,047	1/2	1,560	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,886	3/4	57,108	3/4	38,488	3/4	19,654	3/4	1,315	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	75,494	10	56,722	10	38,095	10	19,262	10	1,070	10		10		10		10		10	
1/4	75,102	1/4	56,335	1/4	37,703	1/4	18,869	1/4	824	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,710	1/2	55,949	1/2	37,311	1/2	18,477	1/2	677	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,318	3/4	55,563	3/4	36,919	3/4	18,084	3/4	530	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	73,926	11	55,176	11	36,527	11	17,692	11	383	11		11		11		11		11	
1/4	73,535	1/4	54,790	1/4	36,135	1/4	17,299	1/4	236	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,143	1/2	54,404	1/2	35,743	1/2	16,907	1/2	187	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,751	3/4	54,018	3/4	35,351	3/4	16,514	3/4	138	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: 04/15/2020 JS
CALCULATED: 04/16/2020 CL
PRINTED: 04/17/2020 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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<http://www.dmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 4/2020



BARGE "CBC 1709"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		121,921	0	111,426	0	100,904	0	90,378	0	79,848	0	69,318	0	58,788	
1/4	1/4	1/4	1/4	131,794	1/4	121,703	1/4	111,207	1/4	100,684	1/4	90,158	1/4	79,628	1/4	69,099	1/4	58,569	
1/2	1/2	1/2	1/2	131,650	1/2	121,484	1/2	110,989	1/2	100,465	1/2	89,939	1/2	79,409	1/2	68,879	1/2	58,349	
3/4	3/4	3/4	3/4	131,506	3/4	121,266	3/4	110,770	3/4	100,246	3/4	89,719	3/4	79,190	3/4	68,660	3/4	58,130	
1	1	1	1	131,363	1	121,047	1	110,551	1	100,027	1	89,500	1	78,970	1	68,441	1	57,911	
1/4	1/4	1/4	1/4	131,182	1/4	120,828	1/4	110,332	1/4	99,807	1/4	89,281	1/4	78,751	1/4	68,221	1/4	57,691	
1/2	1/2	1/2	1/2	131,002	1/2	120,610	1/2	110,113	1/2	99,588	1/2	89,061	1/2	78,532	1/2	68,002	1/2	57,472	
3/4	3/4	3/4	3/4	130,821	3/4	120,391	3/4	109,894	3/4	99,369	3/4	88,842	3/4	78,312	3/4	67,782	3/4	57,253	
2	2	2	2	130,641	2	120,172	2	109,674	2	99,149	2	88,623	2	78,093	2	67,563	2	57,033	
1/4	1/4	1/4	1/4	130,429	1/4	119,954	1/4	109,455	1/4	98,930	1/4	88,403	1/4	77,873	1/4	67,344	1/4	56,814	
1/2	1/2	1/2	1/2	130,217	1/2	119,735	1/2	109,236	1/2	98,711	1/2	88,184	1/2	77,654	1/2	67,124	1/2	56,594	
3/4	3/4	3/4	3/4	130,005	3/4	119,516	3/4	109,016	3/4	98,492	3/4	87,965	3/4	77,435	3/4	66,905	3/4	56,375	
3	3	3	3	129,793	3	119,298	3	108,797	3	98,272	3	87,745	3	77,215	3	66,686	3	56,156	
1/4	1/4	1/4	1/4	129,574	1/4	119,079	1/4	108,578	1/4	98,053	1/4	87,526	1/4	76,996	1/4	66,466	1/4	55,936	
1/2	1/2	1/2	1/2	129,356	1/2	118,860	1/2	108,359	1/2	97,834	1/2	87,306	1/2	76,777	1/2	66,247	1/2	55,717	
3/4	3/4	3/4	3/4	129,137	3/4	118,642	3/4	108,139	3/4	97,615	3/4	87,087	3/4	76,557	3/4	66,027	3/4	55,498	
4	4	4	4	128,918	4	118,423	4	107,920	4	97,395	4	86,868	4	76,338	4	65,808	4	55,278	
1/4	1/4	1/4	1/4	128,700	1/4	118,204	1/4	107,701	1/4	97,176	1/4	86,648	1/4	76,118	1/4	65,589	1/4	55,059	
1/2	1/2	1/2	1/2	128,481	1/2	117,986	1/2	107,482	1/2	96,957	1/2	86,429	1/2	75,899	1/2	65,369	1/2	54,840	
3/4	3/4	3/4	3/4	128,263	3/4	117,767	3/4	107,262	3/4	96,738	3/4	86,210	3/4	75,680	3/4	65,150	3/4	54,620	
5	5	5	5	128,044	5	117,548	5	107,043	5	96,518	5	85,990	5	75,460	5	64,931	5	54,401	
1/4	1/4	1/4	1/4	127,825	1/4	117,330	1/4	106,824	1/4	96,299	1/4	85,771	1/4	75,241	1/4	64,711	1/4	54,181	
1/2	1/2	1/2	1/2	127,607	1/2	117,111	1/2	106,605	1/2	96,080	1/2	85,551	1/2	75,022	1/2	64,492	1/2	53,962	
3/4	3/4	3/4	3/4	127,388	3/4	116,892	3/4	106,385	3/4	95,860	3/4	85,332	3/4	74,802	3/4	64,272	3/4	53,743	
6	6	6	6	127,169	6	116,674	6	106,166	6	95,641	6	85,113	6	74,583	6	64,053	6	53,523	
1/4	1/4	1/4	1/4	126,951	1/4	116,455	1/4	105,947	1/4	95,422	1/4	84,893	1/4	74,364	1/4	63,834	1/4	53,304	
1/2	1/2	1/2	1/2	126,732	1/2	116,236	1/2	105,727	1/2	95,203	1/2	84,674	1/2	74,144	1/2	63,614	1/2	53,085	
3/4	3/4	3/4	3/4	126,513	3/4	116,018	3/4	105,508	3/4	94,983	3/4	84,455	3/4	73,925	3/4	63,395	3/4	52,865	
7	7	7	7	126,295	7	115,799	7	105,289	7	94,764	7	84,235	7	73,705	7	63,176	7	52,646	
1/4	1/4	1/4	1/4	126,076	1/4	115,580	1/4	105,070	1/4	94,545	1/4	84,016	1/4	73,486	1/4	62,956	1/4	52,426	
1/2	1/2	1/2	1/2	125,857	1/2	115,362	1/2	104,850	1/2	94,326	1/2	83,796	1/2	73,267	1/2	62,737	1/2	52,207	
3/4	3/4	3/4	3/4	125,639	3/4	115,143	3/4	104,631	3/4	94,106	3/4	83,577	3/4	73,047	3/4	62,518	3/4	51,988	
8	8	8	8	125,420	8	114,924	8	104,412	8	93,887	8	83,358	8	72,828	8	62,298	8	51,768	
1/4	1/4	1/4	1/4	125,201	1/4	114,706	1/4	104,193	1/4	93,668	1/4	83,138	1/4	72,609	1/4	62,079	1/4	51,549	
1/2	1/2	1/2	1/2	124,983	1/2	114,487	1/2	103,973	1/2	93,449	1/2	82,919	1/2	72,389	1/2	61,859	1/2	51,330	
3/4	3/4	3/4	3/4	124,764	3/4	114,269	3/4	103,754	3/4	93,229	3/4	82,700	3/4	72,170	3/4	61,640	3/4	51,110	
9	9	9	9	124,545	9	114,050	9	103,535	9	93,010	9	82,480	9	71,950	9	61,421	9	50,891	
1/4	1/4	1/4	1/4	124,327	1/4	113,831	1/4	103,316	1/4	92,791	1/4	82,261	1/4	71,731	1/4	61,201	1/4	50,671	
1/2	1/2	1/2	1/2	124,108	1/2	113,613	1/2	103,096	1/2	92,571	1/2	82,041	1/2	71,512	1/2	60,982	1/2	50,452	
3/4	3/4	3/4	3/4	123,889	3/4	113,394	3/4	102,877	3/4	92,352	3/4	81,822	3/4	71,292	3/4	60,763	3/4	50,233	
10	10	10	10	123,671	10	113,175	10	102,658	10	92,133	10	81,603	10	71,073	10	60,543	10	50,013	
1/4	1/4	1/4	1/4	123,452	1/4	112,957	1/4	102,438	1/4	91,913	1/4	81,383	1/4	70,854	1/4	60,324	1/4	49,794	
1/2	1/2	1/2	1/2	123,233	1/2	112,738	1/2	102,219	1/2	91,694	1/2	81,164	1/2	70,634	1/2	60,104	1/2	49,575	
3/4	3/4	3/4	3/4	123,015	3/4	112,519	3/4	102,000	3/4	91,474	3/4	80,945	3/4	70,415	3/4	59,885	3/4	49,355	
11	11	11	11	122,796	11	112,301	11	101,781	11	91,255	11	80,725	11	70,195	11	59,666	11	49,136	
1/4	1/4	1/4	1/4	122,577	1/4	112,082	1/4	101,561	1/4	91,036	1/4	80,506	1/4	69,976	1/4	59,446	1/4	48,917	
1/2	1/2	1/2	1/2	122,359	1/2	111,863	1/2	101,342	1/2	90,816	1/2	80,287	1/2	69,757	1/2	59,227	1/2	48,697	
3/4	3/4	3/4	3/4	122,140	3/4	111,645	3/4	101,123	3/4	90,597	3/4	80,067	3/4	69,537	3/4	59,008	3/4	48,478	

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.

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 1709"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 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	48,258	0	37,729	0	27,222	0	16,705	0	6,176	0		0		0		0		0	
1/4	48,039	1/4	37,509	1/4	27,004	1/4	16,486	1/4	5,956	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,820	1/2	37,290	1/2	26,786	1/2	16,266	1/2	5,737	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,600	3/4	37,070	3/4	26,567	3/4	16,047	3/4	5,517	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	47,381	1	36,851	1	26,349	1	15,827	1	5,298	1		1	1	1	1	1	1	1	1
1/4	47,162	1/4	36,632	1/4	26,130	1/4	15,608	1/4	5,079	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,942	1/2	36,412	1/2	25,912	1/2	15,389	1/2	4,859	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,723	3/4	36,193	3/4	25,694	3/4	15,169	3/4	4,640	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	46,503	2	35,974	2	25,475	2	14,950	2	4,421	2		2	2	2	2	2	2	2	2
1/4	46,284	1/4	35,754	1/4	25,257	1/4	14,731	1/4	4,201	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,065	1/2	35,535	1/2	25,039	1/2	14,511	1/2	3,982	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,845	3/4	35,316	3/4	24,820	3/4	14,292	3/4	3,763	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	45,626	3	35,096	3	24,602	3	14,073	3	3,543	3		3	3	3	3	3	3	3	3
1/4	45,407	1/4	34,877	1/4	24,383	1/4	13,853	1/4	3,324	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,187	1/2	34,657	1/2	24,163	1/2	13,634	1/2	3,105	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,968	3/4	34,438	3/4	23,944	3/4	13,415	3/4	2,886	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	44,748	4	34,219	4	23,724	4	13,195	4	2,667	4		4	4	4	4	4	4	4	4
1/4	44,529	1/4	33,999	1/4	23,505	1/4	12,976	1/4	2,449	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,310	1/2	33,780	1/2	23,286	1/2	12,756	1/2	2,231	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,090	3/4	33,561	3/4	23,066	3/4	12,537	3/4	2,012	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	43,871	5	33,341	5	22,847	5	12,318	5	1,794	5		5	5	5	5	5	5	5	5
1/4	43,652	1/4	33,122	1/4	22,628	1/4	12,098	1/4	1,602	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,432	1/2	32,903	1/2	22,408	1/2	11,879	1/2	1,410	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,213	3/4	32,684	3/4	22,189	3/4	11,660	3/4	1,218	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	42,994	6	32,465	6	21,970	6	11,440	6	1,026	6		6	6	6	6	6	6	6	6
1/4	42,774	1/4	32,246	1/4	21,750	1/4	11,221	1/4	889	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,555	1/2	32,028	1/2	21,531	1/2	11,002	1/2	752	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,335	3/4	31,809	3/4	21,312	3/4	10,782	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	42,116	7	31,590	7	21,092	7	10,563	7		7		7	7	7	7	7	7	7	7
1/4	41,897	1/4	31,371	1/4	20,873	1/4	10,343	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,677	1/2	31,153	1/2	20,653	1/2	10,124	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,458	3/4	30,935	3/4	20,434	3/4	9,905	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	41,239	8	30,716	8	20,215	8	9,685	8		8		8	8	8	8	8	8	8	8
1/4	41,019	1/4	30,498	1/4	19,995	1/4	9,466	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	40,800	1/2	30,279	1/2	19,776	1/2	9,247	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,580	3/4	30,061	3/4	19,557	3/4	9,027	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	40,361	9	29,843	9	19,337	9	8,808	9		9		9	9	9	9	9	9	9	9
1/4	40,142	1/4	29,624	1/4	19,118	1/4	8,589	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	39,922	1/2	29,406	1/2	18,899	1/2	8,369	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	39,703	3/4	29,188	3/4	18,679	3/4	8,150	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	39,484	10	28,969	10	18,460	10	7,930	10		10		10	10	10	10	10	10	10	10
1/4	39,264	1/4	28,751	1/4	18,240	1/4	7,711	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	39,045	1/2	28,533	1/2	18,021	1/2	7,492	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	38,825	3/4	28,314	3/4	17,802	3/4	7,272	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	38,606	11	28,096	11	17,582	11	7,053	11		11		11	11	11	11	11	11	11	11
1/4	38,387	1/4	27,877	1/4	17,363	1/4	6,834	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	38,167	1/2	27,659	1/2	17,144	1/2	6,614	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	37,948	3/4	27,441	3/4	16,924	3/4	6,395	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: 04/15/2020 JS
CALCULATED: 04/16/2020 CL
PRINTED: 04/17/2020 SW

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 4/2020



BARGE "CBC 1709"

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	48,381	0	37,855	0	27,545	0	17,138	0	6,612	0		0		0		0		0	
1/4	48,161	1/4	37,635	1/4	27,334	1/4	16,918	1/4	6,393	1/4		1/4		1/4		1/4		1/4	
1/2	47,942	1/2	37,416	1/2	27,123	1/2	16,699	1/2	6,174	1/2		1/2		1/2		1/2		1/2	
3/4	47,723	3/4	37,197	3/4	26,912	3/4	16,480	3/4	5,954	3/4		3/4		3/4		3/4		3/4	
1	47,504	1	36,978	1	26,701	1	16,261	1	5,735	1		1		1		1		1	
1/4	47,284	1/4	36,758	1/4	26,491	1/4	16,041	1/4	5,516	1/4		1/4		1/4		1/4		1/4	
1/2	47,065	1/2	36,539	1/2	26,280	1/2	15,822	1/2	5,296	1/2		1/2		1/2		1/2		1/2	
3/4	46,846	3/4	36,320	3/4	26,069	3/4	15,603	3/4	5,077	3/4		3/4		3/4		3/4		3/4	
2	46,626	2	36,100	2	25,858	2	15,383	2	4,858	2		2		2		2		2	
1/4	46,407	1/4	35,881	1/4	25,647	1/4	15,164	1/4	4,639	1/4		1/4		1/4		1/4		1/4	
1/2	46,188	1/2	35,662	1/2	25,436	1/2	14,945	1/2	4,419	1/2		1/2		1/2		1/2		1/2	
3/4	45,968	3/4	35,443	3/4	25,226	3/4	14,726	3/4	4,200	3/4		3/4		3/4		3/4		3/4	
3	45,749	3	35,223	3	25,015	3	14,506	3	3,981	3		3		3		3		3	
1/4	45,530	1/4	35,004	1/4	24,804	1/4	14,287	1/4	3,762	1/4		1/4		1/4		1/4		1/4	
1/2	45,311	1/2	34,785	1/2	24,593	1/2	14,068	1/2	3,542	1/2		1/2		1/2		1/2		1/2	
3/4	45,091	3/4	34,565	3/4	24,374	3/4	13,848	3/4	3,323	3/4		3/4		3/4		3/4		3/4	
4	44,872	4	34,346	4	24,155	4	13,629	4	3,104	4		4		4		4		4	
1/4	44,653	1/4	34,127	1/4	23,935	1/4	13,410	1/4	2,885	1/4		1/4		1/4		1/4		1/4	
1/2	44,433	1/2	33,908	1/2	23,716	1/2	13,191	1/2	2,666	1/2		1/2		1/2		1/2		1/2	
3/4	44,214	3/4	33,688	3/4	23,497	3/4	12,971	3/4	2,448	3/4		3/4		3/4		3/4		3/4	
5	43,995	5	33,469	5	23,277	5	12,752	5	2,230	5		5		5		5		5	
1/4	43,776	1/4	33,250	1/4	23,058	1/4	12,533	1/4	2,012	1/4		1/4		1/4		1/4		1/4	
1/2	43,556	1/2	33,030	1/2	22,839	1/2	12,313	1/2	1,794	1/2		1/2		1/2		1/2		1/2	
3/4	43,337	3/4	32,819	3/4	22,620	3/4	12,094	3/4	1,602	3/4		3/4		3/4		3/4		3/4	
6	43,118	6	32,608	6	22,400	6	11,875	6	1,410	6		6		6		6		6	
1/4	42,898	1/4	32,396	1/4	22,181	1/4	11,656	1/4	1,218	1/4		1/4		1/4		1/4		1/4	
1/2	42,679	1/2	32,185	1/2	21,962	1/2	11,436	1/2	1,026	1/2		1/2		1/2		1/2		1/2	
3/4	42,460	3/4	31,973	3/4	21,743	3/4	11,217	3/4	889	3/4		3/4		3/4		3/4		3/4	
7	42,241	7	31,762	7	21,523	7	10,998	7	752	7		7		7		7		7	
1/4	42,021	1/4	31,551	1/4	21,304	1/4	10,778	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	41,802	1/2	31,339	1/2	21,085	1/2	10,559	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	41,583	3/4	31,128	3/4	20,865	3/4	10,340	3/4		3/4		3/4		3/4		3/4		3/4	
8	41,363	8	30,918	8	20,646	8	10,121	8		8		8		8		8		8	
1/4	41,144	1/4	30,707	1/4	20,427	1/4	9,901	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	40,925	1/2	30,496	1/2	20,208	1/2	9,682	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	40,706	3/4	30,285	3/4	19,988	3/4	9,463	3/4		3/4		3/4		3/4		3/4		3/4	
9	40,486	9	30,074	9	19,769	9	9,244	9		9		9		9		9		9	
1/4	40,267	1/4	29,864	1/4	19,550	1/4	9,024	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	40,048	1/2	29,653	1/2	19,330	1/2	8,805	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	39,828	3/4	29,442	3/4	19,111	3/4	8,586	3/4		3/4		3/4		3/4		3/4		3/4	
10	39,609	10	29,231	10	18,892	10	8,366	10		10		10		10		10		10	
1/4	39,390	1/4	29,020	1/4	18,673	1/4	8,147	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	39,170	1/2	28,809	1/2	18,453	1/2	7,928	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	38,951	3/4	28,599	3/4	18,234	3/4	7,709	3/4		3/4		3/4		3/4		3/4		3/4	
11	38,732	11	28,388	11	18,015	11	7,489	11		11		11		11		11		11	
1/4	38,513	1/4	28,177	1/4	17,795	1/4	7,270	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	38,293	1/2	27,966	1/2	17,576	1/2	7,051	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	38,074	3/4	27,755	3/4	17,357	3/4	6,831	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/15/2020 JS
CALCULATED: 04/16/2020 CL
PRINTED: 04/17/2020 SW

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CANCELS AND SUPERCEDES
ALL PRIOR TO 4/2020



BARGE "CBC 1709"

3 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	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	221,755	0	203,143	0	184,516	0	165,878	0	147,233	0	128,586	0	109,939		
1/4	1/4	1/4	1/4	1/4	1/4	221,367	1/4	202,755	1/4	184,127	1/4	165,490	1/4	146,844	1/4	128,198	1/4	109,551		
1/2	1/2	1/2	1/2	1/2	1/2	220,980	1/2	202,368	1/2	183,739	1/2	165,102	1/2	146,456	1/2	127,810	1/2	109,162		
3/4	3/4	3/4	3/4	3/4	3/4	235,284	3/4	220,592	3/4	201,980	3/4	183,351	3/4	164,713	3/4	146,067	3/4	127,421	3/4	108,774
1	1	1	1	1	1	235,220	1	220,204	1	201,592	1	182,963	1	164,325	1	145,679	1	127,033	1	108,385
1/4	1/4	1/4	1/4	1/4	1/4	235,156	1/4	219,816	1/4	201,204	1/4	182,574	1/4	163,936	1/4	145,290	1/4	126,644	1/4	107,997
1/2	1/2	1/2	1/2	1/2	1/2	235,092	1/2	219,429	1/2	200,817	1/2	182,186	1/2	163,548	1/2	144,902	1/2	126,256	1/2	107,608
3/4	3/4	3/4	3/4	3/4	3/4	235,028	3/4	219,041	3/4	200,429	3/4	181,798	3/4	163,160	3/4	144,513	3/4	125,867	3/4	107,220
2	2	2	2	2	2	234,899	2	218,653	2	200,041	2	181,409	2	162,771	2	144,125	2	125,479	2	106,831
1/4	1/4	1/4	1/4	1/4	1/4	234,770	1/4	218,265	1/4	199,653	1/4	181,021	1/4	162,383	1/4	143,736	1/4	125,090	1/4	106,443
1/2	1/2	1/2	1/2	1/2	1/2	234,642	1/2	217,878	1/2	199,266	1/2	180,633	1/2	161,994	1/2	143,348	1/2	124,702	1/2	106,055
3/4	3/4	3/4	3/4	3/4	3/4	234,513	3/4	217,490	3/4	198,878	3/4	180,245	3/4	161,606	3/4	142,960	3/4	124,313	3/4	105,666
3	3	3	3	3	3	234,319	3	217,102	3	198,490	3	179,856	3	161,217	3	142,571	3	123,925	3	105,278
1/4	1/4	1/4	1/4	1/4	1/4	234,126	1/4	216,714	1/4	198,102	1/4	179,468	1/4	160,829	1/4	142,183	1/4	123,536	1/4	104,889
1/2	1/2	1/2	1/2	1/2	1/2	233,932	1/2	216,327	1/2	197,715	1/2	179,080	1/2	160,440	1/2	141,794	1/2	123,148	1/2	104,501
3/4	3/4	3/4	3/4	3/4	3/4	233,739	3/4	215,939	3/4	197,327	3/4	178,692	3/4	160,052	3/4	141,406	3/4	122,759	3/4	104,112
4	4	4	4	4	4	233,481	4	215,551	4	196,939	4	178,303	4	159,663	4	141,017	4	122,371	4	103,724
1/4	1/4	1/4	1/4	1/4	1/4	233,222	1/4	215,163	1/4	196,551	1/4	177,915	1/4	159,275	1/4	140,629	1/4	121,982	1/4	103,335
1/2	1/2	1/2	1/2	1/2	1/2	232,964	1/2	214,776	1/2	196,164	1/2	177,527	1/2	158,886	1/2	140,240	1/2	121,594	1/2	102,947
3/4	3/4	3/4	3/4	3/4	3/4	232,706	3/4	214,388	3/4	195,776	3/4	177,138	3/4	158,498	3/4	139,852	3/4	121,205	3/4	102,558
5	5	5	5	5	5	232,383	5	214,000	5	195,388	5	176,750	5	158,110	5	139,463	5	120,817	5	102,170
1/4	1/4	1/4	1/4	1/4	1/4	232,060	1/4	213,612	1/4	194,999	1/4	176,362	1/4	157,721	1/4	139,075	1/4	120,428	1/4	101,781
1/2	1/2	1/2	1/2	1/2	1/2	231,737	1/2	213,225	1/2	194,611	1/2	175,974	1/2	157,333	1/2	138,686	1/2	120,040	1/2	101,393
3/4	3/4	3/4	3/4	3/4	3/4	231,414	3/4	212,837	3/4	194,223	3/4	175,585	3/4	156,944	3/4	138,298	3/4	119,651	3/4	101,004
6	6	6	6	6	6	231,035	6	212,449	6	193,834	6	175,197	6	156,556	6	137,910	6	119,263	6	100,616
1/4	1/4	1/4	1/4	1/4	1/4	230,656	1/4	212,061	1/4	193,446	1/4	174,809	1/4	156,167	1/4	137,521	1/4	118,874	1/4	100,227
1/2	1/2	1/2	1/2	1/2	1/2	230,276	1/2	211,674	1/2	193,058	1/2	174,420	1/2	155,779	1/2	137,133	1/2	118,486	1/2	99,839
3/4	3/4	3/4	3/4	3/4	3/4	229,897	3/4	211,286	3/4	192,670	3/4	174,032	3/4	155,390	3/4	136,744	3/4	118,097	3/4	99,450
7	7	7	7	7	7	229,510	7	210,898	7	192,281	7	173,644	7	155,002	7	136,356	7	117,709	7	99,062
1/4	1/4	1/4	1/4	1/4	1/4	229,122	1/4	210,510	1/4	191,893	1/4	173,256	1/4	154,613	1/4	135,967	1/4	117,321	1/4	98,673
1/2	1/2	1/2	1/2	1/2	1/2	228,734	1/2	210,123	1/2	191,505	1/2	172,867	1/2	154,225	1/2	135,579	1/2	116,932	1/2	98,285
3/4	3/4	3/4	3/4	3/4	3/4	228,347	3/4	209,735	3/4	191,117	3/4	172,479	3/4	153,836	3/4	135,190	3/4	116,544	3/4	97,896
8	8	8	8	8	8	227,959	8	209,347	8	190,728	8	172,091	8	153,448	8	134,802	8	116,155	8	97,508
1/4	1/4	1/4	1/4	1/4	1/4	227,571	1/4	208,959	1/4	190,340	1/4	171,702	1/4	153,060	1/4	134,413	1/4	115,767	1/4	97,119
1/2	1/2	1/2	1/2	1/2	1/2	227,184	1/2	208,572	1/2	189,952	1/2	171,314	1/2	152,671	1/2	134,025	1/2	115,378	1/2	96,731
3/4	3/4	3/4	3/4	3/4	3/4	226,796	3/4	208,184	3/4	189,563	3/4	170,926	3/4	152,283	3/4	133,636	3/4	114,990	3/4	96,342
9	9	9	9	9	9	226,408	9	207,796	9	189,175	9	170,538	9	151,894	9	133,248	9	114,601	9	95,954
1/4	1/4	1/4	1/4	1/4	1/4	226,020	1/4	207,408	1/4	188,787	1/4	170,149	1/4	151,506	1/4	132,860	1/4	114,213	1/4	95,565
1/2	1/2	1/2	1/2	1/2	1/2	225,633	1/2	207,021	1/2	188,399	1/2	169,761	1/2	151,117	1/2	132,471	1/2	113,824	1/2	95,177
3/4	3/4	3/4	3/4	3/4	3/4	225,245	3/4	206,633	3/4	188,010	3/4	169,373	3/4	150,729	3/4	132,083	3/4	113,436	3/4	94,789
10	10	10	10	10	10	224,857	10	206,245	10	187,622	10	168,984	10	150,340	10	131,694	10	113,047	10	94,400
1/4	1/4	1/4	1/4	1/4	1/4	224,469	1/4	205,857	1/4	187,234	1/4	168,596	1/4	149,952	1/4	131,306	1/4	112,659	1/4	94,012
1/2	1/2	1/2	1/2	1/2	1/2	224,082	1/2	205,470	1/2	186,845	1/2	168,208	1/2	149,563	1/2	130,917	1/2	112,270	1/2	93,623
3/4	3/4	3/4	3/4	3/4	3/4	223,694	3/4	205,082	3/4	186,457	3/4	167,820	3/4	149,175	3/4	130,529	3/4	111,882	3/4	93,235
11	11	11	11	11	11	223,306	11	204,694	11	186,069	11	167,431	11	148,786	11	130,140	11	111,493	11	92,846
1/4	1/4	1/4	1/4	1/4	1/4	222,918	1/4	204,306	1/4	185,681	1/4	167,043	1/4	148,398	1/4	129,752	1/4	111,105	1/4	92,458
1/2	1/2	1/2	1/2	1/2	1/2	222,531	1/2	203,919	1/2	185,292	1/2	166,655	1/2	148,010	1/2	129,363	1/2	110,716	1/2	92,069
3/4	3/4	3/4	3/4	3/4	3/4	222,143	3/4	203,531	3/4	184,904	3/4	166,267	3/4	147,621	3/4	128,975	3/4	110,328	3/4	91,681

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.

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 1709"

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	91,292	0	72,645	0	54,005	0	35,380	0	16,733	0	185	0		0		0		0	
1/4	90,904	1/4	72,257	1/4	53,617	1/4	34,991	1/4	16,345	1/4	136	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,515	1/2	71,868	1/2	53,230	1/2	34,603	1/2	15,956	1/2	88	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,127	3/4	71,480	3/4	52,842	3/4	34,214	3/4	15,568	3/4	39	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	89,738	1	71,091	1	52,454	1	33,826	1	15,179	1		1		1		1		1	
1/4	89,350	1/4	70,703	1/4	52,067	1/4	33,438	1/4	14,791	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,961	1/2	70,314	1/2	51,679	1/2	33,049	1/2	14,402	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,573	3/4	69,926	3/4	51,291	3/4	32,661	3/4	14,014	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	88,184	2	69,537	2	50,904	2	32,272	2	13,625	2		2		2		2		2	
1/4	87,796	1/4	69,149	1/4	50,516	1/4	31,884	1/4	13,237	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,407	1/2	68,760	1/2	50,128	1/2	31,495	1/2	12,848	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,019	3/4	68,372	3/4	49,741	3/4	31,107	3/4	12,460	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	86,630	3	67,983	3	49,353	3	30,718	3	12,071	3		3		3		3		3	
1/4	86,242	1/4	67,595	1/4	48,965	1/4	30,330	1/4	11,683	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,853	1/2	67,206	1/2	48,578	1/2	29,941	1/2	11,295	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,465	3/4	66,818	3/4	48,190	3/4	29,553	3/4	10,906	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	85,076	4	66,429	4	47,802	4	29,164	4	10,518	4		4		4		4		4	
1/4	84,688	1/4	66,041	1/4	47,415	1/4	28,776	1/4	10,129	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,300	1/2	65,652	1/2	47,027	1/2	28,387	1/2	9,741	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,911	3/4	65,264	3/4	46,639	3/4	27,999	3/4	9,352	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	83,523	5	64,875	5	46,252	5	27,610	5	8,964	5		5		5		5		5	
1/4	83,134	1/4	64,487	1/4	45,864	1/4	27,222	1/4	8,575	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,746	1/2	64,098	1/2	45,476	1/2	26,833	1/2	8,187	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,357	3/4	63,710	3/4	45,089	3/4	26,445	3/4	7,798	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	81,969	6	63,321	6	44,701	6	26,057	6	7,410	6		6		6		6		6	
1/4	81,580	1/4	62,933	1/4	44,313	1/4	25,668	1/4	7,021	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,192	1/2	62,545	1/2	43,926	1/2	25,280	1/2	6,633	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,803	3/4	62,156	3/4	43,538	3/4	24,891	3/4	6,245	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	80,415	7	61,768	7	43,149	7	24,503	7	5,857	7		7		7		7		7	
1/4	80,026	1/4	61,379	1/4	42,761	1/4	24,114	1/4	5,469	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,638	1/2	60,991	1/2	42,372	1/2	23,726	1/2	5,081	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,249	3/4	60,602	3/4	41,984	3/4	23,337	3/4	4,693	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	78,861	8	60,214	8	41,595	8	22,949	8	4,306	8		8		8		8		8	
1/4	78,472	1/4	59,825	1/4	41,207	1/4	22,560	1/4	3,920	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,084	1/2	59,437	1/2	40,819	1/2	22,172	1/2	3,533	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,695	3/4	59,048	3/4	40,430	3/4	21,783	3/4	3,147	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	77,307	9	58,660	9	40,042	9	21,395	9	2,807	9		9		9		9		9	
1/4	76,918	1/4	58,272	1/4	39,653	1/4	21,006	1/4	2,467	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,530	1/2	57,884	1/2	39,265	1/2	20,618	1/2	2,127	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,141	3/4	57,496	3/4	38,876	3/4	20,229	3/4	1,787	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	75,753	10	57,108	10	38,488	10	19,841	10	1,544	10		10		10		10		10	
1/4	75,364	1/4	56,720	1/4	38,099	1/4	19,452	1/4	1,302	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,976	1/2	56,332	1/2	37,711	1/2	19,064	1/2	1,059	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,587	3/4	55,943	3/4	37,322	3/4	18,676	3/4	816	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	74,199	11	55,556	11	36,934	11	18,287	11	670	11		11		11		11		11	
1/4	73,810	1/4	55,168	1/4	36,545	1/4	17,899	1/4	525	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,422	1/2	54,780	1/2	36,157	1/2	17,510	1/2	379	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,034	3/4	54,393	3/4	35,768	3/4	17,122	3/4	233	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: 04/15/2020 JS
CALCULATED: 04/16/2020 CL
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PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 4/2020