



BARGE "CBC 1421"

INNAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 181'-09"

January 30, 2020

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

<http://www.pmacorp.net>



BARGE "CBC 1421"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	8,698	0	20,299	0	31,717	0	43,175	0	54,749	0	66,322	0	77,872	0	89,424	0	101,001
1/4	59	1/4	8,939	1/4	20,540	1/4	31,951	1/4	43,417	1/4	54,990	1/4	66,563	1/4	78,112	1/4	89,665	1/4	101,243
1/2	80	1/2	9,181	1/2	20,782	1/2	32,185	1/2	43,658	1/2	55,231	1/2	66,804	1/2	78,351	1/2	89,906	1/2	101,484
3/4	100	3/4	9,423	3/4	21,024	3/4	32,419	3/4	43,899	3/4	55,472	3/4	67,045	3/4	78,591	3/4	90,147	3/4	101,725
1	120	1	9,664	1	21,265	1	32,653	1	44,140	1	55,713	1	67,286	1	78,831	1	90,388	1	101,966
1/4	180	1/4	9,906	1/4	21,507	1/4	32,887	1/4	44,381	1/4	55,954	1/4	67,527	1/4	79,071	1/4	90,630	1/4	102,207
1/2	241	1/2	10,148	1/2	21,749	1/2	33,121	1/2	44,622	1/2	56,195	1/2	67,768	1/2	79,310	1/2	90,871	1/2	102,449
3/4	301	3/4	10,389	3/4	21,990	3/4	33,355	3/4	44,863	3/4	56,436	3/4	68,010	3/4	79,550	3/4	91,112	3/4	102,690
2	362	2	10,631	2	22,232	2	33,588	2	45,104	2	56,678	2	68,251	2	79,790	2	91,353	2	102,931
1/4	462	1/4	10,873	1/4	22,474	1/4	33,822	1/4	45,345	1/4	56,919	1/4	68,492	1/4	80,030	1/4	91,594	1/4	103,172
1/2	563	1/2	11,114	1/2	22,716	1/2	34,056	1/2	45,587	1/2	57,160	1/2	68,733	1/2	80,269	1/2	91,836	1/2	103,413
3/4	664	3/4	11,356	3/4	22,957	3/4	34,290	3/4	45,828	3/4	57,401	3/4	68,974	3/4	80,509	3/4	92,077	3/4	103,655
3	764	3	11,598	3	23,199	3	34,524	3	46,069	3	57,642	3	69,215	3	80,749	3	92,318	3	103,896
1/4	905	1/4	11,839	1/4	23,441	1/4	34,758	1/4	46,310	1/4	57,883	1/4	69,456	1/4	80,989	1/4	92,559	1/4	104,137
1/2	1,046	1/2	12,081	1/2	23,682	1/2	34,992	1/2	46,551	1/2	58,124	1/2	69,697	1/2	81,228	1/2	92,801	1/2	104,378
3/4	1,187	3/4	12,323	3/4	23,924	3/4	35,226	3/4	46,792	3/4	58,365	3/4	69,938	3/4	81,468	3/4	93,042	3/4	104,619
4	1,328	4	12,565	4	24,166	4	35,460	4	47,033	4	58,606	4	70,180	4	81,708	4	93,283	4	104,861
1/4	1,509	1/4	12,806	1/4	24,407	1/4	35,701	1/4	47,274	1/4	58,847	1/4	70,421	1/4	81,948	1/4	93,524	1/4	105,102
1/2	1,691	1/2	13,048	1/2	24,649	1/2	35,942	1/2	47,515	1/2	59,089	1/2	70,662	1/2	82,189	1/2	93,765	1/2	105,343
3/4	1,872	3/4	13,290	3/4	24,891	3/4	36,183	3/4	47,757	3/4	59,330	3/4	70,903	3/4	82,429	3/4	94,007	3/4	105,584
5	2,053	5	13,531	5	25,132	5	36,424	5	47,998	5	59,571	5	71,144	5	82,670	5	94,248	5	105,825
1/4	2,274	1/4	13,773	1/4	25,374	1/4	36,666	1/4	48,239	1/4	59,812	1/4	71,385	1/4	82,911	1/4	94,489	1/4	106,067
1/2	2,495	1/2	14,015	1/2	25,616	1/2	36,907	1/2	48,480	1/2	60,053	1/2	71,626	1/2	83,152	1/2	94,730	1/2	106,308
3/4	2,716	3/4	14,256	3/4	25,858	3/4	37,148	3/4	48,721	3/4	60,294	3/4	71,867	3/4	83,393	3/4	94,971	3/4	106,549
6	2,937	6	14,498	6	26,099	6	37,389	6	48,962	6	60,535	6	72,108	6	83,635	6	95,213	6	106,790
1/4	3,173	1/4	14,740	1/4	26,334	1/4	37,630	1/4	49,203	1/4	60,776	1/4	72,349	1/4	83,876	1/4	95,454	1/4	107,031
1/2	3,410	1/2	14,981	1/2	26,568	1/2	37,871	1/2	49,444	1/2	61,017	1/2	72,589	1/2	84,117	1/2	95,695	1/2	107,273
3/4	3,647	3/4	15,223	3/4	26,802	3/4	38,112	3/4	49,685	3/4	61,259	3/4	72,830	3/4	84,358	3/4	95,936	3/4	107,514
7	3,884	7	15,465	7	27,037	7	38,353	7	49,926	7	61,500	7	73,071	7	84,599	7	96,177	7	107,755
1/4	4,123	1/4	15,707	1/4	27,271	1/4	38,594	1/4	50,168	1/4	61,741	1/4	73,311	1/4	84,841	1/4	96,419	1/4	107,996
1/2	4,362	1/2	15,948	1/2	27,505	1/2	38,835	1/2	50,409	1/2	61,982	1/2	73,552	1/2	85,082	1/2	96,660	1/2	108,237
3/4	4,601	3/4	16,190	3/4	27,739	3/4	39,077	3/4	50,650	3/4	62,223	3/4	73,792	3/4	85,323	3/4	96,901	3/4	108,479
8	4,840	8	16,432	8	27,974	8	39,318	8	50,891	8	62,464	8	74,033	8	85,564	8	97,142	8	108,720
1/4	5,080	1/4	16,673	1/4	28,208	1/4	39,559	1/4	51,132	1/4	62,705	1/4	74,273	1/4	85,806	1/4	97,383	1/4	108,961
1/2	5,320	1/2	16,915	1/2	28,442	1/2	39,800	1/2	51,373	1/2	62,946	1/2	74,514	1/2	86,047	1/2	97,625	1/2	109,202
3/4	5,561	3/4	17,157	3/4	28,676	3/4	40,041	3/4	51,614	3/4	63,187	3/4	74,754	3/4	86,288	3/4	97,866	3/4	109,443
9	5,801	9	17,398	9	28,910	9	40,282	9	51,855	9	63,429	9	74,995	9	86,529	9	98,107	9	109,685
1/4	6,042	1/4	17,640	1/4	29,144	1/4	40,523	1/4	52,096	1/4	63,670	1/4	75,234	1/4	86,770	1/4	98,348	1/4	109,926
1/2	6,283	1/2	17,882	1/2	29,377	1/2	40,764	1/2	52,338	1/2	63,911	1/2	75,474	1/2	87,012	1/2	98,589	1/2	110,167
3/4	6,524	3/4	18,123	3/4	29,611	3/4	41,005	3/4	52,579	3/4	64,152	3/4	75,714	3/4	87,253	3/4	98,831	3/4	110,408
10	6,765	10	18,365	10	29,845	10	41,247	10	52,820	10	64,393	10	75,954	10	87,494	10	99,072	10	110,649
1/4	7,006	1/4	18,607	1/4	30,079	1/4	41,488	1/4	53,061	1/4	64,634	1/4	76,193	1/4	87,735	1/4	99,313	1/4	110,891
1/2	7,248	1/2	18,848	1/2	30,313	1/2	41,729	1/2	53,302	1/2	64,875	1/2	76,433	1/2	87,976	1/2	99,554	1/2	111,132
3/4	7,489	3/4	19,090	3/4	30,547	3/4	41,970	3/4	53,543	3/4	65,116	3/4	76,673	3/4	88,218	3/4	99,795	3/4	111,373
11	7,731	11	19,332	11	30,781	11	42,211	11	53,784	11	65,357	11	76,913	11	88,459	11	100,037	11	111,614
1/4	7,973	1/4	19,574	1/4	31,015	1/4	42,452	1/4	54,025	1/4	65,599	1/4	77,153	1/4	88,700	1/4	100,278	1/4	111,855
1/2	8,214	1/2	19,815	1/2	31,249	1/2	42,693	1/2	54,266	1/2	65,840	1/2	77,392	1/2	88,941	1/2	100,519	1/2	112,097
3/4	8,456	3/4	20,057	3/4	31,483	3/4	42,934	3/4	54,508	3/4	66,081	3/4	77,632	3/4	89,182	3/4	100,760	3/4	112,338

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD

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



BARGE "CBC 1421"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	112,579	0	122,107	0	130,221	0	138,336	0	146,450	0		0		0		0		0	
1/4	112,820	1/4	122,276	1/4	130,390	1/4	138,505	1/4	146,619	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,060	1/2	122,445	1/2	130,560	1/2	138,674	1/2	146,788	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,301	3/4	122,614	3/4	130,729	3/4	138,843	3/4	146,957	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	113,542	1	122,783	1	130,898	1	139,012	1	147,126	1		1	1	1	1	1	1	1	1
1/4	113,782	1/4	122,953	1/4	131,067	1/4	139,181	1/4	147,295	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,023	1/2	123,122	1/2	131,236	1/2	139,350	1/2	147,464	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,264	3/4	123,291	3/4	131,405	3/4	139,519	3/4	147,633	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	114,504	2	123,460	2	131,574	2	139,688	2	147,802	2		2	2	2	2	2	2	2	2
1/4	114,745	1/4	123,629	1/4	131,743	1/4	139,857	1/4	147,971	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,985	1/2	123,798	1/2	131,912	1/2	140,026	1/2	148,140	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	115,226	3/4	123,967	3/4	132,081	3/4	140,195	3/4	148,309	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	115,467	3	124,136	3	132,250	3	140,364	3	148,478	3		3	3	3	3	3	3	3	3
1/4	115,707	1/4	124,305	1/4	132,419	1/4	140,533	1/4	148,700	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	115,948	1/2	124,474	1/2	132,588	1/2	140,702	1/2	148,921	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	116,189	3/4	124,643	3/4	132,757	3/4	140,871	3/4	149,143	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	116,429	4	124,812	4	132,926	4	141,040	4	149,364	4		4	4	4	4	4	4	4	4
1/4	116,670	1/4	124,981	1/4	133,095	1/4	141,209	1/4	149,546	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	116,911	1/2	125,150	1/2	133,264	1/2	141,378	1/2	149,727	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	117,151	3/4	125,319	3/4	133,433	3/4	141,547	3/4	149,908	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	117,392	5	125,488	5	133,602	5	141,716	5	150,090	5		5	5	5	5	5	5	5	5
1/4	117,560	1/4	125,657	1/4	133,771	1/4	141,886	1/4	150,231	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	117,728	1/2	125,826	1/2	133,940	1/2	142,055	1/2	150,372	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	117,896	3/4	125,995	3/4	134,109	3/4	142,224	3/4	150,513	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	118,064	6	126,164	6	134,279	6	142,393	6	150,654	6		6	6	6	6	6	6	6	6
1/4	118,232	1/4	126,333	1/4	134,448	1/4	142,562	1/4	150,754	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,401	1/2	126,502	1/2	134,617	1/2	142,731	1/2	150,855	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	118,569	3/4	126,672	3/4	134,786	3/4	142,900	3/4	150,956	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	118,738	7	126,841	7	134,955	7	143,069	7	151,056	7		7	7	7	7	7	7	7	7
1/4	118,906	1/4	127,010	1/4	135,124	1/4	143,238	1/4	151,117	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,075	1/2	127,179	1/2	135,293	1/2	143,407	1/2	151,177	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,243	3/4	127,348	3/4	135,462	3/4	143,576	3/4	151,238	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	119,412	8	127,517	8	135,631	8	143,745	8	151,298	8		8	8	8	8	8	8	8	8
1/4	119,580	1/4	127,686	1/4	135,800	1/4	143,914	1/4	151,318	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,749	1/2	127,855	1/2	135,969	1/2	144,083	1/2	151,338	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,917	3/4	128,024	3/4	136,138	3/4	144,252	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	120,086	9	128,193	9	136,307	9	144,421	9		9		9	9	9	9	9	9	9	9
1/4	120,254	1/4	128,362	1/4	136,476	1/4	144,590	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	120,423	1/2	128,531	1/2	136,645	1/2	144,759	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	120,591	3/4	128,700	3/4	136,814	3/4	144,928	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	120,759	10	128,869	10	136,983	10	145,097	10		10		10	10	10	10	10	10	10	10
1/4	120,928	1/4	129,038	1/4	137,152	1/4	145,266	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	121,096	1/2	129,207	1/2	137,321	1/2	145,435	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	121,265	3/4	129,376	3/4	137,490	3/4	145,605	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	121,433	11	129,545	11	137,659	11	145,774	11		11		11	11	11	11	11	11	11	11
1/4	121,602	1/4	129,714	1/4	137,828	1/4	145,943	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	121,770	1/2	129,883	1/2	137,998	1/2	146,112	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	121,939	3/4	130,052	3/4	138,167	3/4	146,281	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: 01/30/2020 JS
CALCULATED: 01/30/2020 CL
PRINTED: 01/30/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

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



BARGE "CBC 1421"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	10,061	0	23,487	0	36,752	0	50,016	0	63,443	0	76,871	0	90,298	0	103,725	0	117,152
1/4	63	1/4	10,340	1/4	23,767	1/4	37,023	1/4	50,296	1/4	63,723	1/4	77,150	1/4	90,578	1/4	104,005	1/4	117,432
1/2	86	1/2	10,620	1/2	24,047	1/2	37,295	1/2	50,575	1/2	64,003	1/2	77,430	1/2	90,857	1/2	104,285	1/2	117,712
3/4	109	3/4	10,900	3/4	24,327	3/4	37,566	3/4	50,855	3/4	64,283	3/4	77,710	3/4	91,137	3/4	104,564	3/4	117,992
1	133	1	11,179	1	24,606	1	37,838	1	51,135	1	64,562	1	77,990	1	91,417	1	104,844	1	118,271
1/4	202	1/4	11,459	1/4	24,886	1/4	38,109	1/4	51,415	1/4	64,842	1/4	78,269	1/4	91,697	1/4	105,124	1/4	118,551
1/2	272	1/2	11,739	1/2	25,166	1/2	38,381	1/2	51,694	1/2	65,122	1/2	78,549	1/2	91,976	1/2	105,404	1/2	118,831
3/4	342	3/4	12,019	3/4	25,445	3/4	38,652	3/4	51,974	3/4	65,401	3/4	78,829	3/4	92,256	3/4	105,683	3/4	119,111
2	412	2	12,298	2	25,725	2	38,924	2	52,254	2	65,681	2	79,108	2	92,536	2	105,963	2	119,390
1/4	529	1/4	12,578	1/4	26,005	1/4	39,195	1/4	52,534	1/4	65,961	1/4	79,388	1/4	92,816	1/4	106,243	1/4	119,670
1/2	645	1/2	12,858	1/2	26,285	1/2	39,467	1/2	52,813	1/2	66,241	1/2	79,668	1/2	93,095	1/2	106,523	1/2	119,950
3/4	762	3/4	13,138	3/4	26,564	3/4	39,738	3/4	53,093	3/4	66,520	3/4	79,948	3/4	93,375	3/4	106,802	3/4	120,230
3	878	3	13,417	3	26,844	3	40,010	3	53,373	3	66,800	3	80,227	3	93,655	3	107,082	3	120,509
1/4	1,042	1/4	13,697	1/4	27,124	1/4	40,281	1/4	53,653	1/4	67,080	1/4	80,507	1/4	93,934	1/4	107,362	1/4	120,789
1/2	1,205	1/2	13,977	1/2	27,404	1/2	40,553	1/2	53,932	1/2	67,360	1/2	80,787	1/2	94,214	1/2	107,641	1/2	121,069
3/4	1,368	3/4	14,256	3/4	27,683	3/4	40,824	3/4	54,212	3/4	67,639	3/4	81,067	3/4	94,494	3/4	107,921	3/4	121,349
4	1,531	4	14,536	4	27,963	4	41,096	4	54,492	4	67,919	4	81,346	4	94,774	4	108,201	4	121,628
1/4	1,741	1/4	14,816	1/4	28,243	1/4	41,368	1/4	54,772	1/4	68,199	1/4	81,626	1/4	95,053	1/4	108,481	1/4	121,908
1/2	1,951	1/2	15,096	1/2	28,522	1/2	41,640	1/2	55,051	1/2	68,479	1/2	81,906	1/2	95,333	1/2	108,760	1/2	122,188
3/4	2,161	3/4	15,375	3/4	28,802	3/4	41,912	3/4	55,331	3/4	68,758	3/4	82,186	3/4	95,613	3/4	109,040	3/4	122,467
5	2,370	5	15,655	5	29,082	5	42,183	5	55,611	5	69,038	5	82,465	5	95,893	5	109,320	5	122,747
1/4	2,626	1/4	15,935	1/4	29,362	1/4	42,463	1/4	55,890	1/4	69,318	1/4	82,745	1/4	96,172	1/4	109,600	1/4	123,027
1/2	2,882	1/2	16,215	1/2	29,641	1/2	42,743	1/2	56,170	1/2	69,597	1/2	83,025	1/2	96,452	1/2	109,879	1/2	123,307
3/4	3,137	3/4	16,494	3/4	29,921	3/4	43,023	3/4	56,450	3/4	69,877	3/4	83,305	3/4	96,732	3/4	110,159	3/4	123,586
6	3,393	6	16,774	6	30,201	6	43,302	6	56,730	6	70,157	6	83,584	6	97,012	6	110,439	6	123,866
1/4	3,667	1/4	17,054	1/4	30,481	1/4	43,582	1/4	57,009	1/4	70,437	1/4	83,864	1/4	97,291	1/4	110,719	1/4	124,146
1/2	3,941	1/2	17,333	1/2	30,760	1/2	43,862	1/2	57,289	1/2	70,716	1/2	84,144	1/2	97,571	1/2	110,998	1/2	124,426
3/4	4,215	3/4	17,613	3/4	31,040	3/4	44,142	3/4	57,569	3/4	70,996	3/4	84,423	3/4	97,851	3/4	111,278	3/4	124,705
7	4,490	7	17,893	7	31,320	7	44,421	7	57,849	7	71,276	7	84,703	7	98,130	7	111,558	7	124,985
1/4	4,766	1/4	18,173	1/4	31,592	1/4	44,701	1/4	58,128	1/4	71,556	1/4	84,983	1/4	98,410	1/4	111,838	1/4	125,265
1/2	5,043	1/2	18,452	1/2	31,863	1/2	44,981	1/2	58,408	1/2	71,835	1/2	85,263	1/2	98,690	1/2	112,117	1/2	125,545
3/4	5,319	3/4	18,732	3/4	32,135	3/4	45,261	3/4	58,688	3/4	72,115	3/4	85,542	3/4	98,970	3/4	112,397	3/4	125,824
8	5,596	8	19,012	8	32,407	8	45,540	8	58,968	8	72,395	8	85,822	8	99,249	8	112,677	8	126,104
1/4	5,874	1/4	19,292	1/4	32,679	1/4	45,820	1/4	59,247	1/4	72,675	1/4	86,102	1/4	99,529	1/4	112,956	1/4	126,384
1/2	6,152	1/2	19,571	1/2	32,950	1/2	46,100	1/2	59,527	1/2	72,954	1/2	86,382	1/2	99,809	1/2	113,236	1/2	126,663
3/4	6,430	3/4	19,851	3/4	33,222	3/4	46,379	3/4	59,807	3/4	73,234	3/4	86,661	3/4	100,089	3/4	113,516	3/4	126,943
9	6,708	9	20,131	9	33,493	9	46,659	9	60,086	9	73,514	9	86,941	9	100,368	9	113,796	9	127,223
1/4	6,987	1/4	20,410	1/4	33,765	1/4	46,939	1/4	60,366	1/4	73,794	1/4	87,221	1/4	100,648	1/4	114,075	1/4	127,503
1/2	7,266	1/2	20,690	1/2	34,036	1/2	47,219	1/2	60,646	1/2	74,073	1/2	87,501	1/2	100,928	1/2	114,355	1/2	127,782
3/4	7,545	3/4	20,970	3/4	34,308	3/4	47,498	3/4	60,926	3/4	74,353	3/4	87,780	3/4	101,208	3/4	114,635	3/4	128,062
10	7,824	10	21,250	10	34,579	10	47,778	10	61,205	10	74,633	10	88,060	10	101,487	10	114,915	10	128,342
1/4	8,103	1/4	21,529	1/4	34,851	1/4	48,058	1/4	61,485	1/4	74,912	1/4	88,340	1/4	101,767	1/4	115,194	1/4	128,622
1/2	8,383	1/2	21,809	1/2	35,122	1/2	48,338	1/2	61,765	1/2	75,192	1/2	88,619	1/2	102,047	1/2	115,474	1/2	128,901
3/4	8,662	3/4	22,089	3/4	35,394	3/4	48,617	3/4	62,045	3/4	75,472	3/4	88,899	3/4	102,327	3/4	115,754	3/4	129,181
11	8,942	11	22,369	11	35,665	11	48,897	11	62,324	11	75,752	11	89,179	11	102,606	11	116,034	11	129,461
1/4	9,221	1/4	22,648	1/4	35,937	1/4	49,177	1/4	62,604	1/4	76,031	1/4	89,459	1/4	102,886	1/4	116,313	1/4	129,741
1/2	9,501	1/2	22,928	1/2	36,209	1/2	49,457	1/2	62,884	1/2	76,311	1/2	89,738	1/2	103,166	1/2	116,593	1/2	130,020
3/4	9,781	3/4	23,208	3/4	36,480	3/4	49,736	3/4	63,164	3/4	76,591	3/4	90,018	3/4	103,445	3/4	116,873	3/4	130,300

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD

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



BARGE "CBC 1421"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	130,580	0	144,007	0	157,434	0	170,862	0	184,289	0		0		0		0		0	
1/4	130,860	1/4	144,287	1/4	157,714	1/4	171,141	1/4	184,569	1/4		1/4		1/4		1/4		1/4	
1/2	131,139	1/2	144,567	1/2	157,994	1/2	171,421	1/2	184,848	1/2		1/2		1/2		1/2		1/2	
3/4	131,419	3/4	144,846	3/4	158,274	3/4	171,701	3/4	185,128	3/4		3/4		3/4		3/4		3/4	
1	131,699	1	145,126	1	158,553	1	171,981	1	185,408	1		1		1		1		1	
1/4	131,978	1/4	145,406	1/4	158,833	1/4	172,260	1/4	185,688	1/4		1/4		1/4		1/4		1/4	
1/2	132,258	1/2	145,685	1/2	159,113	1/2	172,540	1/2	185,967	1/2		1/2		1/2		1/2		1/2	
3/4	132,538	3/4	145,965	3/4	159,393	3/4	172,820	3/4	186,247	3/4		3/4		3/4		3/4		3/4	
2	132,818	2	146,245	2	159,672	2	173,100	2	186,527	2		2		2		2		2	
1/4	133,097	1/4	146,525	1/4	159,952	1/4	173,379	1/4	186,807	1/4		1/4		1/4		1/4		1/4	
1/2	133,377	1/2	146,804	1/2	160,232	1/2	173,659	1/2	187,086	1/2		1/2		1/2		1/2		1/2	
3/4	133,657	3/4	147,084	3/4	160,511	3/4	173,939	3/4	187,366	3/4		3/4		3/4		3/4		3/4	
3	133,937	3	147,364	3	160,791	3	174,218	3	187,646	3		3		3		3		3	
1/4	134,216	1/4	147,644	1/4	161,071	1/4	174,498	1/4	187,902	1/4		1/4		1/4		1/4		1/4	
1/2	134,496	1/2	147,923	1/2	161,351	1/2	174,778	1/2	188,159	1/2		1/2		1/2		1/2		1/2	
3/4	134,776	3/4	148,203	3/4	161,630	3/4	175,058	3/4	188,415	3/4		3/4		3/4		3/4		3/4	
4	135,056	4	148,483	4	161,910	4	175,337	4	188,671	4		4		4		4		4	
1/4	135,335	1/4	148,763	1/4	162,190	1/4	175,617	1/4	188,881	1/4		1/4		1/4		1/4		1/4	
1/2	135,615	1/2	149,042	1/2	162,470	1/2	175,897	1/2	189,091	1/2		1/2		1/2		1/2		1/2	
3/4	135,895	3/4	149,322	3/4	162,749	3/4	176,177	3/4	189,301	3/4		3/4		3/4		3/4		3/4	
5	136,174	5	149,602	5	163,029	5	176,456	5	189,511	5		5		5		5		5	
1/4	136,454	1/4	149,882	1/4	163,309	1/4	176,736	1/4	189,674	1/4		1/4		1/4		1/4		1/4	
1/2	136,734	1/2	150,161	1/2	163,589	1/2	177,016	1/2	189,837	1/2		1/2		1/2		1/2		1/2	
3/4	137,014	3/4	150,441	3/4	163,868	3/4	177,296	3/4	190,000	3/4		3/4		3/4		3/4		3/4	
6	137,293	6	150,721	6	164,148	6	177,575	6	190,163	6		6		6		6		6	
1/4	137,573	1/4	151,000	1/4	164,428	1/4	177,855	1/4	190,280	1/4		1/4		1/4		1/4		1/4	
1/2	137,853	1/2	151,280	1/2	164,707	1/2	178,135	1/2	190,396	1/2		1/2		1/2		1/2		1/2	
3/4	138,133	3/4	151,560	3/4	164,987	3/4	178,415	3/4	190,513	3/4		3/4		3/4		3/4		3/4	
7	138,412	7	151,840	7	165,267	7	178,694	7	190,630	7		7		7		7		7	
1/4	138,692	1/4	152,119	1/4	165,547	1/4	178,974	1/4	190,700	1/4		1/4		1/4		1/4		1/4	
1/2	138,972	1/2	152,399	1/2	165,826	1/2	179,254	1/2	190,769	1/2		1/2		1/2		1/2		1/2	
3/4	139,252	3/4	152,679	3/4	166,106	3/4	179,533	3/4	190,839	3/4		3/4		3/4		3/4		3/4	
8	139,531	8	152,959	8	166,386	8	179,813	8	190,909	8		8		8		8		8	
1/4	139,811	1/4	153,238	1/4	166,666	1/4	180,093	1/4	190,933	1/4		1/4		1/4		1/4		1/4	
1/2	140,091	1/2	153,518	1/2	166,945	1/2	180,373	1/2	190,956	1/2		1/2		1/2		1/2		1/2	
3/4	140,371	3/4	153,798	3/4	167,225	3/4	180,652	3/4		3/4		3/4		3/4		3/4		3/4	
9	140,650	9	154,078	9	167,505	9	180,932	9		9		9		9		9		9	
1/4	140,930	1/4	154,357	1/4	167,785	1/4	181,212	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	141,210	1/2	154,637	1/2	168,064	1/2	181,492	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	141,489	3/4	154,917	3/4	168,344	3/4	181,771	3/4		3/4		3/4		3/4		3/4		3/4	
10	141,769	10	155,196	10	168,624	10	182,051	10		10		10		10		10		10	
1/4	142,049	1/4	155,476	1/4	168,904	1/4	182,331	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	142,329	1/2	155,756	1/2	169,183	1/2	182,611	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	142,608	3/4	156,036	3/4	169,463	3/4	182,890	3/4		3/4		3/4		3/4		3/4		3/4	
11	142,888	11	156,315	11	169,743	11	183,170	11		11		11		11		11		11	
1/4	143,168	1/4	156,595	1/4	170,022	1/4	183,450	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	143,448	1/2	156,875	1/2	170,302	1/2	183,729	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	143,727	3/4	157,155	3/4	170,582	3/4	184,009	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/30/2020 JS
CALCULATED: 01/30/2020 CL
PRINTED: 01/30/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

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



BARGE "CBC 1421"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	40	0	9,013	0	21,037	0	33,046	0	45,059	0	57,083	0	69,107	0	81,131	0	93,155	0	105,179
1/4	60	1/4	9,264	1/4	21,288	1/4	33,296	1/4	45,309	1/4	57,333	1/4	69,358	1/4	81,382	1/4	93,406	1/4	105,430
1/2	81	1/2	9,514	1/2	21,538	1/2	33,546	1/2	45,560	1/2	57,584	1/2	69,608	1/2	81,632	1/2	93,656	1/2	105,680
3/4	102	3/4	9,765	3/4	21,789	3/4	33,796	3/4	45,810	3/4	57,834	3/4	69,859	3/4	81,883	3/4	93,907	3/4	105,931
1	123	1	10,015	1	22,039	1	34,046	1	46,061	1	58,085	1	70,109	1	82,133	1	94,157	1	106,181
1/4	186	1/4	10,266	1/4	22,290	1/4	34,295	1/4	46,311	1/4	58,336	1/4	70,360	1/4	82,384	1/4	94,408	1/4	106,432
1/2	248	1/2	10,516	1/2	22,540	1/2	34,545	1/2	46,562	1/2	58,586	1/2	70,610	1/2	82,634	1/2	94,658	1/2	106,682
3/4	311	3/4	10,767	3/4	22,791	3/4	34,795	3/4	46,812	3/4	58,837	3/4	70,861	3/4	82,885	3/4	94,909	3/4	106,933
2	374	2	11,017	2	23,041	2	35,045	2	47,063	2	59,087	2	71,111	2	83,135	2	95,159	2	107,183
1/4	478	1/4	11,268	1/4	23,291	1/4	35,294	1/4	47,313	1/4	59,338	1/4	71,362	1/4	83,386	1/4	95,410	1/4	107,434
1/2	582	1/2	11,518	1/2	23,542	1/2	35,544	1/2	47,564	1/2	59,588	1/2	71,612	1/2	83,636	1/2	95,660	1/2	107,684
3/4	687	3/4	11,769	3/4	23,792	3/4	35,794	3/4	47,814	3/4	59,839	3/4	71,863	3/4	83,887	3/4	95,911	3/4	107,935
3	791	3	12,019	3	24,043	3	36,044	3	48,065	3	60,089	3	72,113	3	84,137	3	96,161	3	108,185
1/4	937	1/4	12,270	1/4	24,293	1/4	36,294	1/4	48,315	1/4	60,340	1/4	72,364	1/4	84,388	1/4	96,412	1/4	108,436
1/2	1,083	1/2	12,520	1/2	24,544	1/2	36,543	1/2	48,566	1/2	60,590	1/2	72,614	1/2	84,638	1/2	96,662	1/2	108,686
3/4	1,229	3/4	12,771	3/4	24,794	3/4	36,793	3/4	48,816	3/4	60,841	3/4	72,865	3/4	84,889	3/4	96,913	3/4	108,937
4	1,375	4	13,021	4	25,045	4	37,043	4	49,067	4	61,091	4	73,115	4	85,139	4	97,163	4	109,187
1/4	1,563	1/4	13,272	1/4	25,295	1/4	37,293	1/4	49,317	1/4	61,342	1/4	73,366	1/4	85,390	1/4	97,414	1/4	109,438
1/2	1,751	1/2	13,522	1/2	25,546	1/2	37,544	1/2	49,568	1/2	61,592	1/2	73,616	1/2	85,640	1/2	97,664	1/2	109,688
3/4	1,939	3/4	13,773	3/4	25,796	3/4	37,794	3/4	49,818	3/4	61,843	3/4	73,867	3/4	85,891	3/4	97,915	3/4	109,939
5	2,127	5	14,023	5	26,047	5	38,045	5	50,069	5	62,093	5	74,117	5	86,141	5	98,165	5	110,189
1/4	2,356	1/4	14,274	1/4	26,297	1/4	38,295	1/4	50,319	1/4	62,344	1/4	74,368	1/4	86,392	1/4	98,416	1/4	110,440
1/2	2,585	1/2	14,524	1/2	26,548	1/2	38,546	1/2	50,570	1/2	62,594	1/2	74,618	1/2	86,642	1/2	98,666	1/2	110,690
3/4	2,814	3/4	14,775	3/4	26,798	3/4	38,796	3/4	50,820	3/4	62,845	3/4	74,869	3/4	86,893	3/4	98,917	3/4	110,941
6	3,043	6	15,025	6	27,049	6	39,047	6	51,071	6	63,095	6	75,119	6	87,143	6	99,167	6	111,191
1/4	3,288	1/4	15,276	1/4	27,299	1/4	39,297	1/4	51,321	1/4	63,346	1/4	75,370	1/4	87,394	1/4	99,418	1/4	111,442
1/2	3,534	1/2	15,526	1/2	27,549	1/2	39,548	1/2	51,572	1/2	63,596	1/2	75,620	1/2	87,644	1/2	99,668	1/2	111,692
3/4	3,779	3/4	15,777	3/4	27,799	3/4	39,798	3/4	51,822	3/4	63,847	3/4	75,871	3/4	87,895	3/4	99,919	3/4	111,943
7	4,025	7	16,027	7	28,049	7	40,049	7	52,073	7	64,097	7	76,121	7	88,145	7	100,169	7	112,193
1/4	4,272	1/4	16,278	1/4	28,300	1/4	40,299	1/4	52,323	1/4	64,348	1/4	76,372	1/4	88,396	1/4	100,420	1/4	112,444
1/2	4,520	1/2	16,528	1/2	28,550	1/2	40,550	1/2	52,574	1/2	64,598	1/2	76,622	1/2	88,646	1/2	100,670	1/2	112,694
3/4	4,768	3/4	16,779	3/4	28,800	3/4	40,800	3/4	52,824	3/4	64,849	3/4	76,873	3/4	88,897	3/4	100,921	3/4	112,945
8	5,015	8	17,029	8	29,050	8	41,051	8	53,075	8	65,099	8	77,123	8	89,147	8	101,171	8	113,195
1/4	5,264	1/4	17,280	1/4	29,300	1/4	41,301	1/4	53,325	1/4	65,350	1/4	77,374	1/4	89,398	1/4	101,422	1/4	113,446
1/2	5,513	1/2	17,530	1/2	29,550	1/2	41,552	1/2	53,576	1/2	65,600	1/2	77,624	1/2	89,648	1/2	101,672	1/2	113,696
3/4	5,762	3/4	17,781	3/4	29,799	3/4	41,802	3/4	53,826	3/4	65,851	3/4	77,875	3/4	89,899	3/4	101,923	3/4	113,947
9	6,011	9	18,031	9	30,049	9	42,053	9	54,077	9	66,101	9	78,125	9	90,149	9	102,173	9	114,197
1/4	6,261	1/4	18,282	1/4	30,299	1/4	42,303	1/4	54,327	1/4	66,352	1/4	78,376	1/4	90,400	1/4	102,424	1/4	114,448
1/2	6,511	1/2	18,532	1/2	30,549	1/2	42,554	1/2	54,578	1/2	66,602	1/2	78,626	1/2	90,650	1/2	102,674	1/2	114,698
3/4	6,761	3/4	18,783	3/4	30,798	3/4	42,804	3/4	54,828	3/4	66,853	3/4	78,877	3/4	90,901	3/4	102,925	3/4	114,949
10	7,010	10	19,033	10	31,048	10	43,055	10	55,079	10	67,103	10	79,127	10	91,151	10	103,175	10	115,199
1/4	7,261	1/4	19,284	1/4	31,298	1/4	43,305	1/4	55,329	1/4	67,354	1/4	79,378	1/4	91,402	1/4	103,426	1/4	115,450
1/2	7,511	1/2	19,534	1/2	31,548	1/2	43,556	1/2	55,580	1/2	67,604	1/2	79,628	1/2	91,652	1/2	103,676	1/2	115,700
3/4	7,761	3/4	19,785	3/4	31,798	3/4	43,806	3/4	55,830	3/4	67,855	3/4	79,879	3/4	91,903	3/4	103,927	3/4	115,951
11	8,012	11	20,035	11	32,047	11	44,057	11	56,081	11	68,105	11	80,129	11	92,153	11	104,177	11	116,201
1/4	8,262	1/4	20,286	1/4	32,297	1/4	44,307	1/4	56,331	1/4	68,356	1/4	80,380	1/4	92,404	1/4	104,428	1/4	116,452
1/2	8,512	1/2	20,536	1/2	32,547	1/2	44,558	1/2	56,582	1/2	68,606	1/2	80,630	1/2	92,654	1/2	104,678	1/2	116,702
3/4	8,763	3/4	20,787	3/4	32,797	3/4	44,808	3/4	56,832	3/4	68,857	3/4	80,881	3/4	92,905	3/4	104,929	3/4	116,953

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



BARGE "CBC 1421"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	117,203	0	129,227	0	141,251	0	153,275	0	165,300	0		0		0		0		0	
1/4	117,454	1/4	129,478	1/4	141,502	1/4	153,526	1/4	165,550	1/4		1/4		1/4		1/4		1/4	
1/2	117,704	1/2	129,728	1/2	141,752	1/2	153,776	1/2	165,801	1/2		1/2		1/2		1/2		1/2	
3/4	117,955	3/4	129,979	3/4	142,003	3/4	154,027	3/4	166,051	3/4		3/4		3/4		3/4		3/4	
1	118,205	1	130,229	1	142,253	1	154,277	1	166,302	1		1		1		1		1	
1/4	118,456	1/4	130,480	1/4	142,504	1/4	154,528	1/4	166,552	1/4		1/4		1/4		1/4		1/4	
1/2	118,706	1/2	130,730	1/2	142,754	1/2	154,779	1/2	166,803	1/2		1/2		1/2		1/2		1/2	
3/4	118,957	3/4	130,981	3/4	143,005	3/4	155,029	3/4	167,053	3/4		3/4		3/4		3/4		3/4	
2	119,207	2	131,231	2	143,255	2	155,280	2	167,304	2		2		2		2		2	
1/4	119,458	1/4	131,482	1/4	143,506	1/4	155,530	1/4	167,554	1/4		1/4		1/4		1/4		1/4	
1/2	119,708	1/2	131,732	1/2	143,756	1/2	155,781	1/2	167,805	1/2		1/2		1/2		1/2		1/2	
3/4	119,959	3/4	131,983	3/4	144,007	3/4	156,031	3/4	168,055	3/4		3/4		3/4		3/4		3/4	
3	120,209	3	132,233	3	144,257	3	156,282	3	168,306	3		3		3		3		3	
1/4	120,460	1/4	132,484	1/4	144,508	1/4	156,532	1/4	168,535	1/4		1/4		1/4		1/4		1/4	
1/2	120,710	1/2	132,734	1/2	144,758	1/2	156,783	1/2	168,765	1/2		1/2		1/2		1/2		1/2	
3/4	120,961	3/4	132,985	3/4	145,009	3/4	157,033	3/4	168,994	3/4		3/4		3/4		3/4		3/4	
4	121,211	4	133,235	4	145,259	4	157,284	4	169,224	4		4		4		4		4	
1/4	121,462	1/4	133,486	1/4	145,510	1/4	157,534	1/4	169,412	1/4		1/4		1/4		1/4		1/4	
1/2	121,712	1/2	133,736	1/2	145,760	1/2	157,785	1/2	169,600	1/2		1/2		1/2		1/2		1/2	
3/4	121,963	3/4	133,987	3/4	146,011	3/4	158,035	3/4	169,788	3/4		3/4		3/4		3/4		3/4	
5	122,213	5	134,237	5	146,261	5	158,286	5	169,976	5		5		5		5		5	
1/4	122,464	1/4	134,488	1/4	146,512	1/4	158,536	1/4	170,122	1/4		1/4		1/4		1/4		1/4	
1/2	122,714	1/2	134,738	1/2	146,762	1/2	158,787	1/2	170,268	1/2		1/2		1/2		1/2		1/2	
3/4	122,965	3/4	134,989	3/4	147,013	3/4	159,037	3/4	170,414	3/4		3/4		3/4		3/4		3/4	
6	123,215	6	135,239	6	147,263	6	159,288	6	170,560	6		6		6		6		6	
1/4	123,466	1/4	135,490	1/4	147,514	1/4	159,538	1/4	170,664	1/4		1/4		1/4		1/4		1/4	
1/2	123,716	1/2	135,740	1/2	147,764	1/2	159,789	1/2	170,769	1/2		1/2		1/2		1/2		1/2	
3/4	123,967	3/4	135,991	3/4	148,015	3/4	160,039	3/4	170,873	3/4		3/4		3/4		3/4		3/4	
7	124,217	7	136,241	7	148,265	7	160,290	7	170,978	7		7		7		7		7	
1/4	124,468	1/4	136,492	1/4	148,516	1/4	160,540	1/4	171,040	1/4		1/4		1/4		1/4		1/4	
1/2	124,718	1/2	136,742	1/2	148,766	1/2	160,791	1/2	171,103	1/2		1/2		1/2		1/2		1/2	
3/4	124,969	3/4	136,993	3/4	149,017	3/4	161,041	3/4	171,165	3/4		3/4		3/4		3/4		3/4	
8	125,219	8	137,243	8	149,267	8	161,292	8	171,228	8		8		8		8		8	
1/4	125,470	1/4	137,494	1/4	149,518	1/4	161,542	1/4	171,249	1/4		1/4		1/4		1/4		1/4	
1/2	125,720	1/2	137,744	1/2	149,768	1/2	161,793	1/2	171,270	1/2		1/2		1/2		1/2		1/2	
3/4	125,971	3/4	137,995	3/4	150,019	3/4	162,043	3/4		3/4		3/4		3/4		3/4		3/4	
9	126,221	9	138,245	9	150,269	9	162,294	9		9		9		9		9		9	
1/4	126,472	1/4	138,496	1/4	150,520	1/4	162,544	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,722	1/2	138,746	1/2	150,770	1/2	162,795	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,973	3/4	138,997	3/4	151,021	3/4	163,045	3/4		3/4		3/4		3/4		3/4		3/4	
10	127,223	10	139,247	10	151,271	10	163,296	10		10		10		10		10		10	
1/4	127,474	1/4	139,498	1/4	151,522	1/4	163,546	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,724	1/2	139,748	1/2	151,772	1/2	163,797	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,975	3/4	139,999	3/4	152,023	3/4	164,047	3/4		3/4		3/4		3/4		3/4		3/4	
11	128,225	11	140,249	11	152,273	11	164,298	11		11		11		11		11		11	
1/4	128,476	1/4	140,500	1/4	152,524	1/4	164,548	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,726	1/2	140,750	1/2	152,774	1/2	164,799	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,977	3/4	141,001	3/4	153,025	3/4	165,049	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/30/2020 JS
CALCULATED: 01/30/2020 CL
PRINTED: 01/30/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

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



BARGE "CBC 1421"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 181'-09"

January 30, 2020

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

<http://www.pmacorp.net>



BARGE "CBC 1421"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	0	151,318	0	143,914	0	135,800	0	127,686	0	119,580	0	108,961	0	97,383	0	85,806
1/4	1/4	1/4	1/4	1/4	151,298	1/4	143,745	1/4	135,631	1/4	127,517	1/4	119,412	1/4	108,720	1/4	97,142	1/4	85,564
1/2	1/2	1/2	1/2	1/2	151,238	1/2	143,576	1/2	135,462	1/2	127,348	1/2	119,243	1/2	108,479	1/2	96,901	1/2	85,323
3/4	3/4	3/4	3/4	3/4	151,177	3/4	143,407	3/4	135,293	3/4	127,179	3/4	119,075	3/4	108,237	3/4	96,660	3/4	85,082
1	1	1	1	1	151,117	1	143,238	1	135,124	1	127,010	1	118,906	1	107,996	1	96,419	1	84,841
1/4	1/4	1/4	1/4	1/4	151,056	1/4	143,069	1/4	134,955	1/4	126,841	1/4	118,738	1/4	107,755	1/4	96,177	1/4	84,599
1/2	1/2	1/2	1/2	1/2	150,956	1/2	142,900	1/2	134,786	1/2	126,672	1/2	118,569	1/2	107,514	1/2	95,936	1/2	84,358
3/4	3/4	3/4	3/4	3/4	150,855	3/4	142,731	3/4	134,617	3/4	126,502	3/4	118,401	3/4	107,273	3/4	95,695	3/4	84,117
2	2	2	2	2	150,754	2	142,562	2	134,448	2	126,333	2	118,232	2	107,031	2	95,454	2	83,876
1/4	1/4	1/4	1/4	1/4	150,654	1/4	142,393	1/4	134,279	1/4	126,164	1/4	118,064	1/4	106,790	1/4	95,213	1/4	83,635
1/2	1/2	1/2	1/2	1/2	150,513	1/2	142,224	1/2	134,109	1/2	125,995	1/2	117,896	1/2	106,549	1/2	94,971	1/2	83,393
3/4	3/4	3/4	3/4	3/4	150,372	3/4	142,055	3/4	133,940	3/4	125,826	3/4	117,728	3/4	106,308	3/4	94,730	3/4	83,152
3	3	3	3	3	150,231	3	141,886	3	133,771	3	125,657	3	117,560	3	106,067	3	94,489	3	82,911
1/4	1/4	1/4	1/4	1/4	150,090	1/4	141,716	1/4	133,602	1/4	125,488	1/4	117,392	1/4	105,825	1/4	94,248	1/4	82,670
1/2	1/2	1/2	1/2	1/2	149,908	1/2	141,547	1/2	133,433	1/2	125,319	1/2	117,151	1/2	105,584	1/2	94,007	1/2	82,429
3/4	3/4	3/4	3/4	3/4	149,727	3/4	141,378	3/4	133,264	3/4	125,150	3/4	116,911	3/4	105,343	3/4	93,765	3/4	82,189
4	4	4	4	4	149,546	4	141,209	4	133,095	4	124,981	4	116,707	4	105,102	4	93,524	4	81,948
1/4	1/4	1/4	1/4	1/4	149,364	1/4	141,040	1/4	132,926	1/4	124,812	1/4	116,429	1/4	104,861	1/4	93,283	1/4	81,708
1/2	1/2	1/2	1/2	1/2	149,143	1/2	140,871	1/2	132,757	1/2	124,643	1/2	116,189	1/2	104,619	1/2	93,042	1/2	81,468
3/4	3/4	3/4	3/4	3/4	148,921	3/4	140,702	3/4	132,588	3/4	124,474	3/4	115,948	3/4	104,378	3/4	92,801	3/4	81,228
5	5	5	5	5	148,700	5	140,533	5	132,419	5	124,305	5	115,707	5	104,137	5	92,559	5	80,989
1/4	1/4	1/4	1/4	1/4	148,478	1/4	140,364	1/4	132,250	1/4	124,136	1/4	115,467	1/4	103,896	1/4	92,318	1/4	80,749
1/2	1/2	1/2	1/2	1/2	148,309	1/2	140,195	1/2	132,081	1/2	123,967	1/2	115,226	1/2	103,655	1/2	92,077	1/2	80,509
3/4	3/4	3/4	3/4	3/4	148,140	3/4	140,026	3/4	131,912	3/4	123,798	3/4	114,985	3/4	103,413	3/4	91,836	3/4	80,269
6	6	6	6	6	147,971	6	139,857	6	131,743	6	123,629	6	114,745	6	103,172	6	91,594	6	80,030
1/4	1/4	1/4	1/4	1/4	147,802	1/4	139,688	1/4	131,574	1/4	123,460	1/4	114,504	1/4	102,931	1/4	91,353	1/4	79,790
1/2	1/2	1/2	1/2	1/2	147,633	1/2	139,519	1/2	131,405	1/2	123,291	1/2	114,264	1/2	102,690	1/2	91,112	1/2	79,550
3/4	3/4	3/4	3/4	3/4	147,464	3/4	139,350	3/4	131,236	3/4	123,122	3/4	114,023	3/4	102,449	3/4	90,871	3/4	79,310
7	7	7	7	7	147,295	7	139,181	7	131,067	7	122,953	7	113,782	7	102,207	7	90,630	7	79,071
1/4	1/4	1/4	1/4	1/4	147,126	1/4	139,012	1/4	130,898	1/4	122,783	1/4	113,542	1/4	101,966	1/4	90,388	1/4	78,831
1/2	1/2	1/2	1/2	1/2	146,957	1/2	138,843	1/2	130,729	1/2	122,614	1/2	113,301	1/2	101,725	1/2	90,147	1/2	78,591
3/4	3/4	3/4	3/4	3/4	146,788	3/4	138,674	3/4	130,560	3/4	122,445	3/4	113,060	3/4	101,484	3/4	89,906	3/4	78,351
8	8	8	8	8	146,619	8	138,505	8	130,390	8	122,276	8	112,820	8	101,243	8	89,665	8	78,112
1/4	1/4	1/4	1/4	1/4	146,450	1/4	138,336	1/4	130,221	1/4	122,107	1/4	112,579	1/4	101,001	1/4	89,424	1/4	77,872
1/2	1/2	1/2	1/2	1/2	146,281	1/2	138,167	1/2	130,052	1/2	121,939	1/2	112,338	1/2	100,760	1/2	89,182	1/2	77,632
3/4	3/4	3/4	3/4	3/4	146,112	3/4	137,998	3/4	129,883	3/4	121,770	3/4	112,097	3/4	100,519	3/4	88,941	3/4	77,392
9	9	9	9	9	145,943	9	137,828	9	129,714	9	121,602	9	111,855	9	100,278	9	88,700	9	77,153
1/4	1/4	1/4	1/4	1/4	145,774	1/4	137,659	1/4	129,545	1/4	121,433	1/4	111,614	1/4	100,037	1/4	88,459	1/4	76,913
1/2	1/2	1/2	1/2	1/2	145,605	1/2	137,490	1/2	129,376	1/2	121,265	1/2	111,373	1/2	99,795	1/2	88,218	1/2	76,673
3/4	3/4	3/4	3/4	3/4	145,435	3/4	137,321	3/4	129,207	3/4	121,096	3/4	111,132	3/4	99,554	3/4	87,976	3/4	76,433
10	10	10	10	10	145,266	10	137,152	10	129,038	10	120,928	10	110,891	10	99,313	10	87,735	10	76,193
1/4	1/4	1/4	1/4	1/4	145,097	1/4	136,983	1/4	128,869	1/4	120,759	1/4	110,649	1/4	99,072	1/4	87,494	1/4	75,954
1/2	1/2	1/2	1/2	1/2	144,928	1/2	136,814	1/2	128,700	1/2	120,591	1/2	110,408	1/2	98,831	1/2	87,253	1/2	75,714
3/4	3/4	3/4	3/4	3/4	144,759	3/4	136,645	3/4	128,531	3/4	120,423	3/4	110,167	3/4	98,589	3/4	87,012	3/4	75,474
11	11	11	11	11	144,590	11	136,476	11	128,362	11	120,254	11	109,926	11	98,348	11	86,770	11	75,234
1/4	1/4	1/4	1/4	1/4	144,421	1/4	136,307	1/4	128,193	1/4	120,086	1/4	109,685	1/4	98,107	1/4	86,529	1/4	74,995
1/2	1/2	1/2	1/2	1/2	144,252	1/2	136,138	1/2	128,024	1/2	119,917	1/2	109,443	1/2	97,866	1/2	86,288	1/2	74,754
3/4	3/4	3/4	3/4	3/4	151,338	3/4	144,083	3/4	135,969	3/4	127,855	3/4	119,749	3/4	109,202	3/4	97,625	3/4	74,514

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD

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



BARGE "CBC 1421"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	74,273	0	62,705	0	51,132	0	39,559	0	28,208	0	16,673	0	5,080	0		0		0	
1/4	74,033	1/4	62,464	1/4	50,891	1/4	39,318	1/4	27,974	1/4	16,432	1/4	4,840	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,792	1/2	62,223	1/2	50,650	1/2	39,077	1/2	27,739	1/2	16,190	1/2	4,601	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,552	3/4	61,982	3/4	50,409	3/4	38,835	3/4	27,505	3/4	15,948	3/4	4,362	3/4	3/4	3/4	3/4	3/4	3/4
1	73,311	1	61,741	1	50,168	1	38,594	1	27,271	1	15,707	1	4,123	1	1	1	1	1	1
1/4	73,071	1/4	61,500	1/4	49,926	1/4	38,353	1/4	27,037	1/4	15,465	1/4	3,884	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,830	1/2	61,259	1/2	49,685	1/2	38,112	1/2	26,802	1/2	15,223	1/2	3,647	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,589	3/4	61,017	3/4	49,444	3/4	37,871	3/4	26,568	3/4	14,981	3/4	3,410	3/4	3/4	3/4	3/4	3/4	3/4
2	72,349	2	60,776	2	49,203	2	37,630	2	26,334	2	14,740	2	3,173	2	2	2	2	2	2
1/4	72,108	1/4	60,535	1/4	48,962	1/4	37,389	1/4	26,099	1/4	14,498	1/4	2,937	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,867	1/2	60,294	1/2	48,721	1/2	37,148	1/2	25,858	1/2	14,256	1/2	2,716	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,626	3/4	60,053	3/4	48,480	3/4	36,907	3/4	25,616	3/4	14,015	3/4	2,495	3/4	3/4	3/4	3/4	3/4	3/4
3	71,385	3	59,812	3	48,239	3	36,666	3	25,374	3	13,773	3	2,274	3	3	3	3	3	3
1/4	71,144	1/4	59,571	1/4	47,998	1/4	36,424	1/4	25,132	1/4	13,531	1/4	2,053	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,903	1/2	59,330	1/2	47,757	1/2	36,183	1/2	24,891	1/2	13,290	1/2	1,872	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,662	3/4	59,089	3/4	47,515	3/4	35,942	3/4	24,649	3/4	13,048	3/4	1,691	3/4	3/4	3/4	3/4	3/4	3/4
4	70,421	4	58,847	4	47,274	4	35,701	4	24,407	4	12,806	4	1,509	4	4	4	4	4	4
1/4	70,180	1/4	58,606	1/4	47,033	1/4	35,460	1/4	24,166	1/4	12,565	1/4	1,328	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,938	1/2	58,365	1/2	46,792	1/2	35,226	1/2	23,924	1/2	12,323	1/2	1,187	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,697	3/4	58,124	3/4	46,551	3/4	34,992	3/4	23,682	3/4	12,081	3/4	1,046	3/4	3/4	3/4	3/4	3/4	3/4
5	69,456	5	57,883	5	46,310	5	34,758	5	23,441	5	11,839	5	905	5	5	5	5	5	5
1/4	69,215	1/4	57,642	1/4	46,069	1/4	34,524	1/4	23,199	1/4	11,598	1/4	764	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,974	1/2	57,401	1/2	45,828	1/2	34,290	1/2	22,957	1/2	11,356	1/2	664	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,733	3/4	57,160	3/4	45,587	3/4	34,056	3/4	22,716	3/4	11,114	3/4	563	3/4	3/4	3/4	3/4	3/4	3/4
6	68,492	6	56,919	6	45,345	6	33,822	6	22,474	6	10,873	6	462	6	6	6	6	6	6
1/4	68,251	1/4	56,678	1/4	45,104	1/4	33,588	1/4	22,232	1/4	10,631	1/4	362	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,010	1/2	56,436	1/2	44,863	1/2	33,355	1/2	21,990	1/2	10,389	1/2	301	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,768	3/4	56,195	3/4	44,622	3/4	33,121	3/4	21,749	3/4	10,148	3/4	241	3/4	3/4	3/4	3/4	3/4	3/4
7	67,527	7	55,954	7	44,381	7	32,887	7	21,507	7	9,906	7	180	7	7	7	7	7	7
1/4	67,286	1/4	55,713	1/4	44,140	1/4	32,653	1/4	21,265	1/4	9,664	1/4	120	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,045	1/2	55,472	1/2	43,899	1/2	32,419	1/2	21,024	1/2	9,423	1/2	100	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,804	3/4	55,231	3/4	43,658	3/4	32,185	3/4	20,782	3/4	9,181	3/4	80	3/4	3/4	3/4	3/4	3/4	3/4
8	66,563	8	54,990	8	43,417	8	31,951	8	20,540	8	8,939	8	59	8	8	8	8	8	8
1/4	66,322	1/4	54,749	1/4	43,175	1/4	31,717	1/4	20,299	1/4	8,698	1/4	39	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,081	1/2	54,508	1/2	42,934	1/2	31,483	1/2	20,057	1/2	8,456	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,840	3/4	54,266	3/4	42,693	3/4	31,249	3/4	19,815	3/4	8,214	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	65,599	9	54,025	9	42,452	9	31,015	9	19,574	9	7,973	9		9	9	9	9	9	9
1/4	65,357	1/4	53,784	1/4	42,211	1/4	30,781	1/4	19,332	1/4	7,731	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,116	1/2	53,543	1/2	41,970	1/2	30,547	1/2	19,090	1/2	7,489	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,875	3/4	53,302	3/4	41,729	3/4	30,313	3/4	18,848	3/4	7,248	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	64,634	10	53,061	10	41,488	10	30,079	10	18,607	10	7,006	10		10	10	10	10	10	10
1/4	64,393	1/4	52,820	1/4	41,247	1/4	29,845	1/4	18,365	1/4	6,765	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,152	1/2	52,579	1/2	41,005	1/2	29,611	1/2	18,123	1/2	6,524	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,911	3/4	52,338	3/4	40,764	3/4	29,377	3/4	17,882	3/4	6,283	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	63,670	11	52,096	11	40,523	11	29,144	11	17,640	11	6,042	11		11	11	11	11	11	11
1/4	63,429	1/4	51,855	1/4	40,282	1/4	28,910	1/4	17,398	1/4	5,801	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,187	1/2	51,614	1/2	40,041	1/2	28,676	1/2	17,157	1/2	5,561	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,946	3/4	51,373	3/4	39,800	3/4	28,442	3/4	16,915	3/4	5,320	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/30/2020 JS
CALCULATED: 01/30/2020 CL
PRINTED: 01/30/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

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



BARGE "CBC 1421"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	190,769	0	179,254	0	165,826	0	152,399	0	138,972	0	125,545	0	112,117	0	98,690		
1/4	1/4	1/4	190,700	1/4	178,974	1/4	165,547	1/4	152,119	1/4	138,692	1/4	125,265	1/4	111,838	1/4	98,410		
1/2	1/2	1/2	190,630	1/2	178,694	1/2	165,267	1/2	151,840	1/2	138,412	1/2	124,985	1/2	111,558	1/2	98,130		
3/4	3/4	3/4	190,513	3/4	178,415	3/4	164,987	3/4	151,560	3/4	138,133	3/4	124,705	3/4	111,278	3/4	97,851		
1	1	1	190,396	1	178,135	1	164,707	1	151,280	1	137,853	1	124,426	1	110,998	1	97,571		
1/4	1/4	1/4	190,280	1/4	177,855	1/4	164,428	1/4	151,000	1/4	137,573	1/4	124,146	1/4	110,719	1/4	97,291		
1/2	1/2	1/2	190,163	1/2	177,575	1/2	164,148	1/2	150,721	1/2	137,293	1/2	123,866	1/2	110,439	1/2	97,012		
3/4	3/4	3/4	190,000	3/4	177,296	3/4	163,868	3/4	150,441	3/4	137,014	3/4	123,586	3/4	110,159	3/4	96,732		
2	2	2	189,837	2	177,016	2	163,589	2	150,161	2	136,734	2	123,307	2	109,879	2	96,452		
1/4	1/4	1/4	189,674	1/4	176,736	1/4	163,309	1/4	149,882	1/4	136,454	1/4	123,027	1/4	109,600	1/4	96,172		
1/2	1/2	1/2	189,511	1/2	176,456	1/2	163,029	1/2	149,602	1/2	136,174	1/2	122,747	1/2	109,320	1/2	95,893		
3/4	3/4	3/4	189,301	3/4	176,177	3/4	162,749	3/4	149,322	3/4	135,895	3/4	122,467	3/4	109,040	3/4	95,613		
3	3	3	189,091	3	175,897	3	162,470	3	149,042	3	135,615	3	122,188	3	108,760	3	95,333		
1/4	1/4	1/4	188,881	1/4	175,617	1/4	162,190	1/4	148,763	1/4	135,335	1/4	121,908	1/4	108,481	1/4	95,053		
1/2	1/2	1/2	188,671	1/2	175,337	1/2	161,910	1/2	148,483	1/2	135,056	1/2	121,628	1/2	108,201	1/2	94,774		
3/4	3/4	3/4	188,415	3/4	175,058	3/4	161,630	3/4	148,203	3/4	134,776	3/4	121,349	3/4	107,921	3/4	94,494		
4	4	4	188,159	4	174,778	4	161,351	4	147,923	4	134,496	4	121,069	4	107,641	4	94,214		
1/4	1/4	1/4	187,902	1/4	174,498	1/4	161,071	1/4	147,644	1/4	134,216	1/4	120,789	1/4	107,362	1/4	93,934		
1/2	1/2	1/2	187,646	1/2	174,218	1/2	160,791	1/2	147,364	1/2	133,937	1/2	120,509	1/2	107,082	1/2	93,655		
3/4	3/4	3/4	187,366	3/4	173,939	3/4	160,511	3/4	147,084	3/4	133,657	3/4	120,230	3/4	106,802	3/4	93,375		
5	5	5	187,086	5	173,659	5	160,232	5	146,804	5	133,377	5	119,950	5	106,523	5	93,095		
1/4	1/4	1/4	186,807	1/4	173,379	1/4	159,952	1/4	146,525	1/4	133,097	1/4	119,670	1/4	106,243	1/4	92,816		
1/2	1/2	1/2	186,527	1/2	173,100	1/2	159,672	1/2	146,245	1/2	132,818	1/2	119,390	1/2	105,963	1/2	92,536		
3/4	3/4	3/4	186,247	3/4	172,820	3/4	159,393	3/4	145,965	3/4	132,538	3/4	119,111	3/4	105,683	3/4	92,256		
6	6	6	185,967	6	172,540	6	159,113	6	145,685	6	132,258	6	118,831	6	105,404	6	91,976		
1/4	1/4	1/4	185,688	1/4	172,260	1/4	158,833	1/4	145,406	1/4	131,978	1/4	118,551	1/4	105,124	1/4	91,697		
1/2	1/2	1/2	185,408	1/2	171,981	1/2	158,553	1/2	145,126	1/2	131,699	1/2	118,271	1/2	104,844	1/2	91,417		
3/4	3/4	3/4	185,128	3/4	171,701	3/4	158,274	3/4	144,846	3/4	131,419	3/4	117,992	3/4	104,564	3/4	91,137		
7	7	7	184,848	7	171,421	7	157,994	7	144,567	7	131,139	7	117,712	7	104,285	7	90,857		
1/4	1/4	1/4	184,569	1/4	171,141	1/4	157,714	1/4	144,287	1/4	130,860	1/4	117,432	1/4	104,005	1/4	90,578		
1/2	1/2	1/2	184,289	1/2	170,862	1/2	157,434	1/2	144,007	1/2	130,580	1/2	117,152	1/2	103,725	1/2	90,298		
3/4	3/4	3/4	184,009	3/4	170,582	3/4	157,155	3/4	143,727	3/4	130,300	3/4	116,873	3/4	103,445	3/4	90,018		
8	8	8	183,729	8	170,302	8	156,875	8	143,448	8	130,020	8	116,593	8	103,166	8	89,738		
1/4	1/4	1/4	183,450	1/4	170,022	1/4	156,595	1/4	143,168	1/4	129,741	1/4	116,313	1/4	102,886	1/4	89,459		
1/2	1/2	1/2	183,170	1/2	169,743	1/2	156,315	1/2	142,888	1/2	129,461	1/2	116,034	1/2	102,606	1/2	89,179		
3/4	3/4	3/4	182,890	3/4	169,463	3/4	156,036	3/4	142,608	3/4	129,181	3/4	115,754	3/4	102,327	3/4	88,899		
9	9	9	182,611	9	169,183	9	155,756	9	142,329	9	128,901	9	115,474	9	102,047	9	88,619		
1/4	1/4	1/4	182,331	1/4	168,904	1/4	155,476	1/4	142,049	1/4	128,622	1/4	115,194	1/4	101,767	1/4	88,340		
1/2	1/2	1/2	182,051	1/2	168,624	1/2	155,196	1/2	141,769	1/2	128,342	1/2	114,915	1/2	101,487	1/2	88,060		
3/4	3/4	3/4	181,771	3/4	168,344	3/4	154,917	3/4	141,489	3/4	128,062	3/4	114,635	3/4	101,208	3/4	87,780		
10	10	10	181,492	10	168,064	10	154,637	10	141,210	10	127,782	10	114,355	10	100,928	10	87,501		
1/4	1/4	1/4	181,212	1/4	167,785	1/4	154,357	1/4	140,930	1/4	127,503	1/4	114,075	1/4	100,648	1/4	87,221		
1/2	1/2	1/2	180,932	1/2	167,505	1/2	154,078	1/2	140,650	1/2	127,223	1/2	113,796	1/2	100,368	1/2	86,941		
3/4	3/4	3/4	180,652	3/4	167,225	3/4	153,798	3/4	140,371	3/4	126,943	3/4	113,516	3/4	100,089	3/4	86,661		
11	11	11	190,956	11	180,373	11	166,945	11	153,518	11	140,091	11	126,663	11	113,236	11	99,809	11	86,382
1/4	1/4	1/4	190,933	1/4	180,093	1/4	166,666	1/4	153,238	1/4	139,811	1/4	126,384	1/4	112,956	1/4	99,529	1/4	86,102
1/2	1/2	1/2	190,909	1/2	179,813	1/2	166,386	1/2	152,959	1/2	139,531	1/2	126,104	1/2	112,677	1/2	99,249	1/2	85,822
3/4	3/4	3/4	190,839	3/4	179,533	3/4	166,106	3/4	152,679	3/4	139,252	3/4	125,824	3/4	112,397	3/4	98,970	3/4	85,542

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD

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



BARGE "CBC 1421"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	85,263	0	71,835	0	58,408	0	44,981	0	31,863	0	18,452	0	5,043	0		0		0	
1/4	84,983	1/4	71,556	1/4	58,128	1/4	44,701	1/4	31,592	1/4	18,173	1/4	4,766	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,703	1/2	71,276	1/2	57,849	1/2	44,421	1/2	31,320	1/2	17,893	1/2	4,490	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,423	3/4	70,996	3/4	57,569	3/4	44,142	3/4	31,040	3/4	17,613	3/4	4,215	3/4	3/4	3/4	3/4	3/4	3/4
1	84,144	1	70,716	1	57,289	1	43,862	1	30,760	1	17,333	1	3,941	1	1	1	1	1	1
1/4	83,864	1/4	70,437	1/4	57,009	1/4	43,582	1/4	30,481	1/4	17,054	1/4	3,667	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,584	1/2	70,157	1/2	56,730	1/2	43,302	1/2	30,201	1/2	16,774	1/2	3,393	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,305	3/4	69,877	3/4	56,450	3/4	43,023	3/4	29,921	3/4	16,494	3/4	3,137	3/4	3/4	3/4	3/4	3/4	3/4
2	83,025	2	69,597	2	56,170	2	42,743	2	29,641	2	16,215	2	2,882	2	2	2	2	2	2
1/4	82,745	1/4	69,318	1/4	55,890	1/4	42,463	1/4	29,362	1/4	15,935	1/4	2,626	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,465	1/2	69,038	1/2	55,611	1/2	42,183	1/2	29,082	1/2	15,655	1/2	2,370	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,186	3/4	68,758	3/4	55,331	3/4	41,912	3/4	28,802	3/4	15,375	3/4	2,161	3/4	3/4	3/4	3/4	3/4	3/4
3	81,906	3	68,479	3	55,051	3	41,640	3	28,522	3	15,096	3	1,951	3	3	3	3	3	3
1/4	81,626	1/4	68,199	1/4	54,772	1/4	41,368	1/4	28,243	1/4	14,816	1/4	1,741	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,346	1/2	67,919	1/2	54,492	1/2	41,096	1/2	27,963	1/2	14,536	1/2	1,531	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,067	3/4	67,639	3/4	54,212	3/4	40,824	3/4	27,683	3/4	14,256	3/4	1,368	3/4	3/4	3/4	3/4	3/4	3/4
4	80,787	4	67,360	4	53,932	4	40,553	4	27,404	4	13,977	4	1,205	4	4	4	4	4	4
1/4	80,507	1/4	67,080	1/4	53,653	1/4	40,281	1/4	27,124	1/4	13,697	1/4	1,042	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,227	1/2	66,800	1/2	53,373	1/2	40,010	1/2	26,844	1/2	13,417	1/2	878	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,948	3/4	66,520	3/4	53,093	3/4	39,738	3/4	26,564	3/4	13,138	3/4	762	3/4	3/4	3/4	3/4	3/4	3/4
5	79,668	5	66,241	5	52,813	5	39,467	5	26,285	5	12,858	5	645	5	5	5	5	5	5
1/4	79,388	1/4	65,961	1/4	52,534	1/4	39,195	1/4	26,005	1/4	12,578	1/4	529	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,108	1/2	65,681	1/2	52,254	1/2	38,924	1/2	25,725	1/2	12,298	1/2	412	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,829	3/4	65,401	3/4	51,974	3/4	38,652	3/4	25,445	3/4	12,019	3/4	342	3/4	3/4	3/4	3/4	3/4	3/4
6	78,549	6	65,122	6	51,694	6	38,381	6	25,166	6	11,739	6	272	6	6	6	6	6	6
1/4	78,269	1/4	64,842	1/4	51,415	1/4	38,109	1/4	24,886	1/4	11,459	1/4	202	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,990	1/2	64,562	1/2	51,135	1/2	37,838	1/2	24,606	1/2	11,179	1/2	133	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,710	3/4	64,283	3/4	50,855	3/4	37,566	3/4	24,327	3/4	10,900	3/4	109	3/4	3/4	3/4	3/4	3/4	3/4
7	77,430	7	64,003	7	50,575	7	37,295	7	24,047	7	10,620	7	86	7	7	7	7	7	7
1/4	77,150	1/4	63,723	1/4	50,296	1/4	37,023	1/4	23,767	1/4	10,340	1/4	63	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,871	1/2	63,443	1/2	50,016	1/2	36,752	1/2	23,487	1/2	10,061	1/2	39	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,591	3/4	63,164	3/4	49,736	3/4	36,480	3/4	23,208	3/4	9,781	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	76,311	8	62,884	8	49,457	8	36,209	8	22,928	8	9,501	8		8	8	8	8	8	8
1/4	76,031	1/4	62,604	1/4	49,177	1/4	35,937	1/4	22,648	1/4	9,221	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,752	1/2	62,324	1/2	48,897	1/2	35,665	1/2	22,369	1/2	8,942	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,472	3/4	62,045	3/4	48,617	3/4	35,394	3/4	22,089	3/4	8,662	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	75,192	9	61,765	9	48,338	9	35,122	9	21,809	9	8,383	9		9	9	9	9	9	9
1/4	74,912	1/4	61,485	1/4	48,058	1/4	34,851	1/4	21,529	1/4	8,103	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,633	1/2	61,205	1/2	47,778	1/2	34,579	1/2	21,250	1/2	7,824	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,353	3/4	60,926	3/4	47,498	3/4	34,308	3/4	20,970	3/4	7,545	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	74,073	10	60,646	10	47,219	10	34,036	10	20,690	10	7,266	10		10	10	10	10	10	10
1/4	73,794	1/4	60,366	1/4	46,939	1/4	33,765	1/4	20,410	1/4	6,987	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,514	1/2	60,086	1/2	46,659	1/2	33,493	1/2	20,131	1/2	6,708	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,234	3/4	59,807	3/4	46,379	3/4	33,222	3/4	19,851	3/4	6,430	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	72,954	11	59,527	11	46,100	11	32,950	11	19,571	11	6,152	11		11	11	11	11	11	11
1/4	72,675	1/4	59,247	1/4	45,820	1/4	32,679	1/4	19,292	1/4	5,874	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,395	1/2	58,968	1/2	45,540	1/2	32,407	1/2	19,012	1/2	5,596	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,115	3/4	58,688	3/4	45,261	3/4	32,135	3/4	18,732	3/4	5,319	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/30/2020 JS
CALCULATED: 01/30/2020 CL
PRINTED: 01/30/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

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



BARGE "CBC 1421"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	171,228	0	161,292	0	149,267	0	137,243	0	125,219	0	113,195	0	101,171	0	89,147	0	89,147
1/4	1/4	1/4	171,165	1/4	161,041	1/4	149,017	1/4	136,993	1/4	124,969	1/4	112,945	1/4	100,921	1/4	88,897	1/4	88,897
1/2	1/2	1/2	171,103	1/2	160,791	1/2	148,766	1/2	136,742	1/2	124,718	1/2	112,694	1/2	100,670	1/2	88,646	1/2	88,646
3/4	3/4	3/4	171,040	3/4	160,540	3/4	148,516	3/4	136,492	3/4	124,468	3/4	112,444	3/4	100,420	3/4	88,396	3/4	88,396
1	1	1	170,978	1	160,290	1	148,265	1	136,241	1	124,217	1	112,193	1	100,169	1	88,145	1	88,145
1/4	1/4	1/4	170,873	1/4	160,039	1/4	148,015	1/4	135,991	1/4	123,967	1/4	111,943	1/4	99,919	1/4	87,895	1/4	87,895
1/2	1/2	1/2	170,769	1/2	159,789	1/2	147,764	1/2	135,740	1/2	123,716	1/2	111,692	1/2	99,668	1/2	87,644	1/2	87,644
3/4	3/4	3/4	170,664	3/4	159,538	3/4	147,514	3/4	135,490	3/4	123,466	3/4	111,442	3/4	99,418	3/4	87,394	3/4	87,394
2	2	2	170,560	2	159,288	2	147,263	2	135,239	2	123,215	2	111,191	2	99,167	2	87,143	2	87,143
1/4	1/4	1/4	170,414	1/4	159,037	1/4	147,013	1/4	134,989	1/4	122,965	1/4	110,941	1/4	98,917	1/4	86,893	1/4	86,893
1/2	1/2	1/2	170,268	1/2	158,787	1/2	146,762	1/2	134,738	1/2	122,714	1/2	110,690	1/2	98,666	1/2	86,642	1/2	86,642
3/4	3/4	3/4	170,122	3/4	158,536	3/4	146,512	3/4	134,488	3/4	122,464	3/4	110,440	3/4	98,416	3/4	86,392	3/4	86,392
3	3	3	169,976	3	158,286	3	146,261	3	134,237	3	122,213	3	110,189	3	98,165	3	86,141	3	86,141
1/4	1/4	1/4	169,788	1/4	158,035	1/4	146,011	1/4	133,987	1/4	121,963	1/4	109,939	1/4	97,915	1/4	85,891	1/4	85,891
1/2	1/2	1/2	169,600	1/2	157,785	1/2	145,760	1/2	133,736	1/2	121,712	1/2	109,688	1/2	97,664	1/2	85,640	1/2	85,640
3/4	3/4	3/4	169,412	3/4	157,534	3/4	145,510	3/4	133,486	3/4	121,462	3/4	109,438	3/4	97,414	3/4	85,390	3/4	85,390
4	4	4	169,224	4	157,284	4	145,259	4	133,235	4	121,211	4	109,187	4	97,163	4	85,139	4	85,139
1/4	1/4	1/4	168,994	1/4	157,033	1/4	145,009	1/4	132,985	1/4	120,961	1/4	108,937	1/4	96,913	1/4	84,889	1/4	84,889
1/2	1/2	1/2	168,765	1/2	156,783	1/2	144,758	1/2	132,734	1/2	120,710	1/2	108,686	1/2	96,662	1/2	84,638	1/2	84,638
3/4	3/4	3/4	168,535	3/4	156,532	3/4	144,508	3/4	132,484	3/4	120,460	3/4	108,436	3/4	96,412	3/4	84,388	3/4	84,388
5	5	5	168,306	5	156,282	5	144,257	5	132,233	5	120,209	5	108,185	5	96,161	5	84,137	5	84,137
1/4	1/4	1/4	168,055	1/4	156,031	1/4	144,007	1/4	131,983	1/4	119,959	1/4	107,935	1/4	95,911	1/4	83,887	1/4	83,887
1/2	1/2	1/2	167,805	1/2	155,781	1/2	143,756	1/2	131,732	1/2	119,708	1/2	107,684	1/2	95,660	1/2	83,636	1/2	83,636
3/4	3/4	3/4	167,554	3/4	155,530	3/4	143,506	3/4	131,482	3/4	119,458	3/4	107,434	3/4	95,410	3/4	83,386	3/4	83,386
6	6	6	167,304	6	155,280	6	143,255	6	131,231	6	119,207	6	107,183	6	95,159	6	83,135	6	83,135
1/4	1/4	1/4	167,053	1/4	155,029	1/4	143,005	1/4	130,981	1/4	118,957	1/4	106,933	1/4	94,909	1/4	82,885	1/4	82,885
1/2	1/2	1/2	166,803	1/2	154,779	1/2	142,754	1/2	130,730	1/2	118,706	1/2	106,682	1/2	94,658	1/2	82,634	1/2	82,634
3/4	3/4	3/4	166,552	3/4	154,528	3/4	142,504	3/4	130,480	3/4	118,456	3/4	106,432	3/4	94,408	3/4	82,384	3/4	82,384
7	7	7	166,302	7	154,277	7	142,253	7	130,229	7	118,205	7	106,181	7	94,157	7	82,133	7	82,133
1/4	1/4	1/4	166,051	1/4	154,027	1/4	142,003	1/4	129,979	1/4	117,955	1/4	105,931	1/4	93,907	1/4	81,883	1/4	81,883
1/2	1/2	1/2	165,801	1/2	153,776	1/2	141,752	1/2	129,728	1/2	117,704	1/2	105,680	1/2	93,656	1/2	81,632	1/2	81,632
3/4	3/4	3/4	165,550	3/4	153,526	3/4	141,502	3/4	129,478	3/4	117,454	3/4	105,430	3/4	93,406	3/4	81,382	3/4	81,382
8	8	8	165,300	8	153,275	8	141,251	8	129,227	8	117,203	8	105,179	8	93,155	8	81,131	8	81,131
1/4	1/4	1/4	165,049	1/4	153,025	1/4	141,001	1/4	128,977	1/4	116,953	1/4	104,929	1/4	92,905	1/4	80,881	1/4	80,881
1/2	1/2	1/2	164,799	1/2	152,774	1/2	140,750	1/2	128,726	1/2	116,702	1/2	104,678	1/2	92,654	1/2	80,630	1/2	80,630
3/4	3/4	3/4	164,548	3/4	152,524	3/4	140,500	3/4	128,476	3/4	116,452	3/4	104,428	3/4	92,404	3/4	80,380	3/4	80,380
9	9	9	164,298	9	152,273	9	140,249	9	128,225	9	116,201	9	104,177	9	92,153	9	80,129	9	80,129
1/4	1/4	1/4	164,047	1/4	152,023	1/4	139,999	1/4	127,975	1/4	115,951	1/4	103,927	1/4	91,903	1/4	79,879	1/4	79,879
1/2	1/2	1/2	163,797	1/2	151,772	1/2	139,748	1/2	127,724	1/2	115,700	1/2	103,676	1/2	91,652	1/2	79,628	1/2	79,628
3/4	3/4	3/4	163,546	3/4	151,522	3/4	139,498	3/4	127,474	3/4	115,450	3/4	103,426	3/4	91,402	3/4	79,378	3/4	79,378
10	10	10	163,296	10	151,271	10	139,247	10	127,223	10	115,199	10	103,175	10	91,151	10	79,127	10	79,127
1/4	1/4	1/4	163,045	1/4	151,021	1/4	138,997	1/4	126,973	1/4	114,949	1/4	102,925	1/4	90,901	1/4	78,877	1/4	78,877
1/2	1/2	1/2	162,795	1/2	150,770	1/2	138,746	1/2	126,722	1/2	114,698	1/2	102,674	1/2	90,650	1/2	78,626	1/2	78,626
3/4	3/4	3/4	162,544	3/4	150,520	3/4	138,496	3/4	126,472	3/4	114,448	3/4	102,424	3/4	90,400	3/4	78,376	3/4	78,376
11	11	11	162,294	11	150,269	11	138,245	11	126,221	11	114,197	11	102,173	11	90,149	11	78,125	11	78,125
1/4	1/4	1/4	162,043	1/4	150,019	1/4	137,995	1/4	125,971	1/4	113,947	1/4	101,923	1/4	89,899	1/4	77,875	1/4	77,875
1/2	1/2	1/2	171,270	1/2	161,793	1/2	149,768	1/2	137,744	1/2	125,720	1/2	113,696	1/2	101,672	1/2	89,648	1/2	89,648
3/4	3/4	3/4	171,249	3/4	161,542	3/4	149,518	3/4	137,494	3/4	125,470	3/4	113,446	3/4	101,422	3/4	89,398	3/4	89,398

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



BARGE "CBC 1421"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	77,123	0	65,099	0	53,075	0	41,051	0	29,050	0	17,029	0	5,015	0		0		0	
1/4	76,873	1/4	64,849	1/4	52,824	1/4	40,800	1/4	28,800	1/4	16,779	1/4	4,768	1/4		1/4		1/4	
1/2	76,622	1/2	64,598	1/2	52,574	1/2	40,550	1/2	28,550	1/2	16,528	1/2	4,520	1/2		1/2		1/2	
3/4	76,372	3/4	64,348	3/4	52,323	3/4	40,299	3/4	28,300	3/4	16,278	3/4	4,272	3/4		3/4		3/4	
1	76,121	1	64,097	1	52,073	1	40,049	1	28,049	1	16,027	1	4,025	1		1		1	
1/4	75,871	1/4	63,847	1/4	51,822	1/4	39,798	1/4	27,799	1/4	15,777	1/4	3,779	1/4		1/4		1/4	
1/2	75,620	1/2	63,596	1/2	51,572	1/2	39,548	1/2	27,549	1/2	15,526	1/2	3,534	1/2		1/2		1/2	
3/4	75,370	3/4	63,346	3/4	51,321	3/4	39,297	3/4	27,299	3/4	15,276	3/4	3,288	3/4		3/4		3/4	
2	75,119	2	63,095	2	51,071	2	39,047	2	27,049	2	15,025	2	3,043	2		2		2	
1/4	74,869	1/4	62,845	1/4	50,820	1/4	38,796	1/4	26,798	1/4	14,775	1/4	2,814	1/4		1/4		1/4	
1/2	74,618	1/2	62,594	1/2	50,570	1/2	38,546	1/2	26,548	1/2	14,524	1/2	2,585	1/2		1/2		1/2	
3/4	74,368	3/4	62,344	3/4	50,319	3/4	38,295	3/4	26,297	3/4	14,274	3/4	2,356	3/4		3/4		3/4	
3	74,117	3	62,093	3	50,069	3	38,045	3	26,047	3	14,023	3	2,127	3		3		3	
1/4	73,867	1/4	61,843	1/4	49,818	1/4	37,794	1/4	25,796	1/4	13,773	1/4	1,939	1/4		1/4		1/4	
1/2	73,616	1/2	61,592	1/2	49,568	1/2	37,544	1/2	25,546	1/2	13,522	1/2	1,751	1/2		1/2		1/2	
3/4	73,366	3/4	61,342	3/4	49,317	3/4	37,293	3/4	25,295	3/4	13,272	3/4	1,563	3/4		3/4		3/4	
4	73,115	4	61,091	4	49,067	4	37,043	4	25,045	4	13,021	4	1,375	4		4		4	
1/4	72,865	1/4	60,841	1/4	48,816	1/4	36,793	1/4	24,794	1/4	12,771	1/4	1,229	1/4		1/4		1/4	
1/2	72,614	1/2	60,590	1/2	48,566	1/2	36,543	1/2	24,544	1/2	12,520	1/2	1,083	1/2		1/2		1/2	
3/4	72,364	3/4	60,340	3/4	48,315	3/4	36,294	3/4	24,293	3/4	12,270	3/4	937	3/4		3/4		3/4	
5	72,113	5	60,089	5	48,065	5	36,044	5	24,043	5	12,019	5	791	5		5		5	
1/4	71,863	1/4	59,839	1/4	47,814	1/4	35,794	1/4	23,792	1/4	11,769	1/4	687	1/4		1/4		1/4	
1/2	71,612	1/2	59,588	1/2	47,564	1/2	35,544	1/2	23,542	1/2	11,518	1/2	582	1/2		1/2		1/2	
3/4	71,362	3/4	59,338	3/4	47,313	3/4	35,294	3/4	23,291	3/4	11,268	3/4	478	3/4		3/4		3/4	
6	71,111	6	59,087	6	47,063	6	35,045	6	23,041	6	11,017	6	374	6		6		6	
1/4	70,861	1/4	58,837	1/4	46,812	1/4	34,795	1/4	22,791	1/4	10,767	1/4	311	1/4		1/4		1/4	
1/2	70,610	1/2	58,586	1/2	46,562	1/2	34,545	1/2	22,540	1/2	10,516	1/2	248	1/2		1/2		1/2	
3/4	70,360	3/4	58,336	3/4	46,311	3/4	34,295	3/4	22,290	3/4	10,266	3/4	186	3/4		3/4		3/4	
7	70,109	7	58,085	7	46,061	7	34,046	7	22,039	7	10,015	7	123	7		7		7	
1/4	69,859	1/4	57,834	1/4	45,810	1/4	33,796	1/4	21,789	1/4	9,765	1/4	102	1/4		1/4		1/4	
1/2	69,608	1/2	57,584	1/2	45,560	1/2	33,546	1/2	21,538	1/2	9,514	1/2	81	1/2		1/2		1/2	
3/4	69,358	3/4	57,333	3/4	45,309	3/4	33,296	3/4	21,288	3/4	9,264	3/4	60	3/4		3/4		3/4	
8	69,107	8	57,083	8	45,059	8	33,046	8	21,037	8	9,013	8	40	8		8		8	
1/4	68,857	1/4	56,832	1/4	44,808	1/4	32,797	1/4	20,787	1/4	8,763	1/4		1/4		1/4		1/4	
1/2	68,606	1/2	56,582	1/2	44,558	1/2	32,547	1/2	20,536	1/2	8,512	1/2		1/2		1/2		1/2	
3/4	68,356	3/4	56,331	3/4	44,307	3/4	32,297	3/4	20,286	3/4	8,262	3/4		3/4		3/4		3/4	
9	68,105	9	56,081	9	44,057	9	32,047	9	20,035	9	8,012	9		9		9		9	
1/4	67,855	1/4	55,830	1/4	43,806	1/4	31,798	1/4	19,785	1/4	7,761	1/4		1/4		1/4		1/4	
1/2	67,604	1/2	55,580	1/2	43,556	1/2	31,548	1/2	19,534	1/2	7,511	1/2		1/2		1/2		1/2	
3/4	67,354	3/4	55,329	3/4	43,305	3/4	31,298	3/4	19,284	3/4	7,261	3/4		3/4		3/4		3/4	
10	67,103	10	55,079	10	43,055	10	31,048	10	19,033	10	7,010	10		10		10		10	
1/4	66,853	1/4	54,828	1/4	42,804	1/4	30,798	1/4	18,783	1/4	6,761	1/4		1/4		1/4		1/4	
1/2	66,602	1/2	54,578	1/2	42,554	1/2	30,549	1/2	18,532	1/2	6,511	1/2		1/2		1/2		1/2	
3/4	66,352	3/4	54,327	3/4	42,303	3/4	30,299	3/4	18,282	3/4	6,261	3/4		3/4		3/4		3/4	
11	66,101	11	54,077	11	42,053	11	30,049	11	18,031	11	6,011	11		11		11		11	
1/4	65,851	1/4	53,826	1/4	41,802	1/4	29,799	1/4	17,781	1/4	5,762	1/4		1/4		1/4		1/4	
1/2	65,600	1/2	53,576	1/2	41,552	1/2	29,550	1/2	17,530	1/2	5,513	1/2		1/2		1/2		1/2	
3/4	65,350	3/4	53,325	3/4	41,301	3/4	29,300	3/4	17,280	3/4	5,264	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/30/2020 JS
CALCULATED: 01/30/2020 CL
PRINTED: 01/30/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

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