



BARGE "CBC 1416"

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	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 00-7/8	00-7/8	- 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	00-1/4	- 00-1/4	00-1/4	- 00-1/4	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: 176'-06"

October 1, 2019

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

<http://www.pmacorp.net>



BARGE "CBC 1416"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	8,720	0	20,351	0	31,799	0	43,287	0	54,890	0	66,493	0	78,072	0	89,654	0	101,261
1/4	60	1/4	8,962	1/4	20,593	1/4	32,033	1/4	43,528	1/4	55,131	1/4	66,734	1/4	78,313	1/4	89,896	1/4	101,503
1/2	80	1/2	9,205	1/2	20,836	1/2	32,268	1/2	43,770	1/2	55,373	1/2	66,976	1/2	78,553	1/2	90,138	1/2	101,745
3/4	100	3/4	9,447	3/4	21,078	3/4	32,502	3/4	44,012	3/4	55,615	3/4	67,218	3/4	78,793	3/4	90,379	3/4	101,987
1	120	1	9,689	1	21,320	1	32,737	1	44,254	1	55,856	1	67,459	1	79,034	1	90,621	1	102,229
1/4	181	1/4	9,931	1/4	21,562	1/4	32,971	1/4	44,495	1/4	56,098	1/4	67,701	1/4	79,274	1/4	90,863	1/4	102,470
1/2	241	1/2	10,174	1/2	21,805	1/2	33,206	1/2	44,737	1/2	56,340	1/2	67,943	1/2	79,515	1/2	91,105	1/2	102,712
3/4	302	3/4	10,416	3/4	22,047	3/4	33,440	3/4	44,979	3/4	56,582	3/4	68,185	3/4	79,755	3/4	91,347	3/4	102,954
2	362	2	10,658	2	22,289	2	33,675	2	45,220	2	56,823	2	68,426	2	79,995	2	91,588	2	103,196
1/4	463	1/4	10,901	1/4	22,532	1/4	33,909	1/4	45,462	1/4	57,065	1/4	68,668	1/4	80,236	1/4	91,830	1/4	103,438
1/2	564	1/2	11,143	1/2	22,774	1/2	34,144	1/2	45,704	1/2	57,307	1/2	68,910	1/2	80,476	1/2	92,072	1/2	103,680
3/4	665	3/4	11,385	3/4	23,016	3/4	34,379	3/4	45,946	3/4	57,549	3/4	69,152	3/4	80,716	3/4	92,314	3/4	103,921
3	766	3	11,628	3	23,259	3	34,613	3	46,187	3	57,790	3	69,393	3	80,957	3	92,556	3	104,163
1/4	908	1/4	11,870	1/4	23,501	1/4	34,848	1/4	46,429	1/4	58,032	1/4	69,635	1/4	81,197	1/4	92,798	1/4	104,405
1/2	1,049	1/2	12,112	1/2	23,743	1/2	35,082	1/2	46,671	1/2	58,274	1/2	69,877	1/2	81,438	1/2	93,039	1/2	104,647
3/4	1,190	3/4	12,355	3/4	23,986	3/4	35,317	3/4	46,913	3/4	58,516	3/4	70,118	3/4	81,678	3/4	93,281	3/4	104,889
4	1,332	4	12,597	4	24,228	4	35,551	4	47,154	4	58,757	4	70,360	4	81,918	4	93,523	4	105,131
1/4	1,513	1/4	12,839	1/4	24,470	1/4	35,793	1/4	47,396	1/4	58,999	1/4	70,602	1/4	82,159	1/4	93,765	1/4	105,372
1/2	1,695	1/2	13,082	1/2	24,713	1/2	36,035	1/2	47,638	1/2	59,241	1/2	70,844	1/2	82,400	1/2	94,007	1/2	105,614
3/4	1,877	3/4	13,324	3/4	24,955	3/4	36,276	3/4	47,879	3/4	59,482	3/4	71,085	3/4	82,642	3/4	94,249	3/4	105,856
5	2,058	5	13,566	5	25,197	5	36,518	5	48,121	5	59,724	5	71,327	5	82,883	5	94,490	5	106,098
1/4	2,280	1/4	13,808	1/4	25,439	1/4	36,760	1/4	48,363	1/4	59,966	1/4	71,569	1/4	83,124	1/4	94,732	1/4	106,340
1/2	2,501	1/2	14,051	1/2	25,682	1/2	37,002	1/2	48,605	1/2	60,208	1/2	71,811	1/2	83,366	1/2	94,974	1/2	106,581
3/4	2,723	3/4	14,293	3/4	25,924	3/4	37,243	3/4	48,846	3/4	60,449	3/4	72,052	3/4	83,608	3/4	95,216	3/4	106,823
6	2,944	6	14,535	6	26,166	6	37,485	6	49,088	6	60,691	6	72,294	6	83,850	6	95,458	6	107,065
1/4	3,182	1/4	14,778	1/4	26,401	1/4	37,727	1/4	49,330	1/4	60,933	1/4	72,535	1/4	84,092	1/4	95,699	1/4	107,307
1/2	3,419	1/2	15,020	1/2	26,636	1/2	37,969	1/2	49,572	1/2	61,175	1/2	72,776	1/2	84,334	1/2	95,941	1/2	107,549
3/4	3,657	3/4	15,262	3/4	26,871	3/4	38,210	3/4	49,813	3/4	61,416	3/4	73,017	3/4	84,575	3/4	96,183	3/4	107,791
7	3,894	7	15,505	7	27,106	7	38,452	7	50,055	7	61,658	7	73,259	7	84,817	7	96,425	7	108,032
1/4	4,134	1/4	15,747	1/4	27,341	1/4	38,694	1/4	50,297	1/4	61,900	1/4	73,500	1/4	85,059	1/4	96,667	1/4	108,274
1/2	4,373	1/2	15,989	1/2	27,576	1/2	38,935	1/2	50,538	1/2	62,141	1/2	73,741	1/2	85,301	1/2	96,909	1/2	108,516
3/4	4,613	3/4	16,232	3/4	27,811	3/4	39,177	3/4	50,780	3/4	62,383	3/4	73,982	3/4	85,543	3/4	97,150	3/4	108,758
8	4,853	8	16,474	8	28,046	8	39,419	8	51,022	8	62,625	8	74,223	8	85,785	8	97,392	8	109,000
1/4	5,093	1/4	16,716	1/4	28,280	1/4	39,661	1/4	51,264	1/4	62,867	1/4	74,464	1/4	86,026	1/4	97,634	1/4	109,242
1/2	5,334	1/2	16,959	1/2	28,515	1/2	39,902	1/2	51,505	1/2	63,108	1/2	74,705	1/2	86,268	1/2	97,876	1/2	109,483
3/4	5,575	3/4	17,201	3/4	28,749	3/4	40,144	3/4	51,747	3/4	63,350	3/4	74,947	3/4	86,510	3/4	98,118	3/4	109,725
9	5,816	9	17,443	9	28,984	9	40,386	9	51,989	9	63,592	9	75,188	9	86,752	9	98,359	9	109,967
1/4	6,057	1/4	17,685	1/4	29,219	1/4	40,628	1/4	52,231	1/4	63,834	1/4	75,428	1/4	86,994	1/4	98,601	1/4	110,209
1/2	6,299	1/2	17,928	1/2	29,453	1/2	40,869	1/2	52,472	1/2	64,075	1/2	75,668	1/2	87,236	1/2	98,843	1/2	110,451
3/4	6,541	3/4	18,170	3/4	29,688	3/4	41,111	3/4	52,714	3/4	64,317	3/4	75,909	3/4	87,477	3/4	99,085	3/4	110,692
10	6,782	10	18,412	10	29,922	10	41,353	10	52,956	10	64,559	10	76,149	10	87,719	10	99,327	10	110,934
1/4	7,024	1/4	18,655	1/4	30,157	1/4	41,594	1/4	53,197	1/4	64,800	1/4	76,390	1/4	87,961	1/4	99,569	1/4	111,176
1/2	7,267	1/2	18,897	1/2	30,391	1/2	41,836	1/2	53,439	1/2	65,042	1/2	76,630	1/2	88,203	1/2	99,810	1/2	111,418
3/4	7,509	3/4	19,139	3/4	30,626	3/4	42,078	3/4	53,681	3/4	65,284	3/4	76,870	3/4	88,445	3/4	100,052	3/4	111,660
11	7,751	11	19,382	11	30,860	11	42,320	11	53,923	11	65,526	11	77,111	11	88,687	11	100,294	11	111,902
1/4	7,993	1/4	19,624	1/4	31,095	1/4	42,561	1/4	54,164	1/4	65,767	1/4	77,351	1/4	88,928	1/4	100,536	1/4	112,143
1/2	8,235	1/2	19,866	1/2	31,329	1/2	42,803	1/2	54,406	1/2	66,009	1/2	77,592	1/2	89,170	1/2	100,778	1/2	112,385
3/4	8,478	3/4	20,109	3/4	31,564	3/4	43,045	3/4	54,648	3/4	66,251	3/4	77,832	3/4	89,412	3/4	101,020	3/4	112,627

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'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
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BARGE "CBC 1416"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	112,869	0	122,422	0	130,557	0	138,692	0	146,827	0		0		0		0		0	
1/4	113,110	1/4	122,591	1/4	130,726	1/4	138,861	1/4	146,996	1/4		1/4		1/4		1/4		1/4	
1/2	113,351	1/2	122,761	1/2	130,896	1/2	139,031	1/2	147,166	1/2		1/2		1/2		1/2		1/2	
3/4	113,593	3/4	122,930	3/4	131,065	3/4	139,200	3/4	147,335	3/4		3/4		3/4		3/4		3/4	
1	113,834	1	123,100	1	131,235	1	139,370	1	147,505	1		1		1		1		1	
1/4	114,075	1/4	123,269	1/4	131,404	1/4	139,539	1/4	147,674	1/4		1/4		1/4		1/4		1/4	
1/2	114,316	1/2	123,439	1/2	131,574	1/2	139,709	1/2	147,844	1/2		1/2		1/2		1/2		1/2	
3/4	114,558	3/4	123,608	3/4	131,743	3/4	139,878	3/4	148,013	3/4		3/4		3/4		3/4		3/4	
2	114,799	2	123,777	2	131,913	2	140,048	2	148,183	2		2		2		2		2	
1/4	115,040	1/4	123,947	1/4	132,082	1/4	140,217	1/4	148,352	1/4		1/4		1/4		1/4		1/4	
1/2	115,281	1/2	124,116	1/2	132,251	1/2	140,387	1/2	148,522	1/2		1/2		1/2		1/2		1/2	
3/4	115,523	3/4	124,286	3/4	132,421	3/4	140,556	3/4	148,691	3/4		3/4		3/4		3/4		3/4	
3	115,764	3	124,455	3	132,590	3	140,725	3	148,860	3		3		3		3		3	
1/4	116,005	1/4	124,625	1/4	132,760	1/4	140,895	1/4	149,033	1/4		1/4		1/4		1/4		1/4	
1/2	116,247	1/2	124,794	1/2	132,929	1/2	141,064	1/2	149,305	1/2		1/2		1/2		1/2		1/2	
3/4	116,488	3/4	124,964	3/4	133,099	3/4	141,234	3/4	149,527	3/4		3/4		3/4		3/4		3/4	
4	116,729	4	125,133	4	133,268	4	141,403	4	149,749	4		4		4		4		4	
1/4	116,970	1/4	125,303	1/4	133,438	1/4	141,573	1/4	149,931	1/4		1/4		1/4		1/4		1/4	
1/2	117,212	1/2	125,472	1/2	133,607	1/2	141,742	1/2	150,112	1/2		1/2		1/2		1/2		1/2	
3/4	117,453	3/4	125,642	3/4	133,777	3/4	141,912	3/4	150,294	3/4		3/4		3/4		3/4		3/4	
5	117,694	5	125,811	5	133,946	5	142,081	5	150,476	5		5		5		5		5	
1/4	117,863	1/4	125,981	1/4	134,116	1/4	142,251	1/4	150,617	1/4		1/4		1/4		1/4		1/4	
1/2	118,031	1/2	126,150	1/2	134,285	1/2	142,420	1/2	150,759	1/2		1/2		1/2		1/2		1/2	
3/4	118,199	3/4	126,320	3/4	134,455	3/4	142,590	3/4	150,900	3/4		3/4		3/4		3/4		3/4	
6	118,368	6	126,489	6	134,624	6	142,759	6	151,041	6		6		6		6		6	
1/4	118,537	1/4	126,659	1/4	134,794	1/4	142,929	1/4	151,142	1/4		1/4		1/4		1/4		1/4	
1/2	118,706	1/2	126,828	1/2	134,963	1/2	143,098	1/2	151,243	1/2		1/2		1/2		1/2		1/2	
3/4	118,875	3/4	126,998	3/4	135,133	3/4	143,268	3/4	151,344	3/4		3/4		3/4		3/4		3/4	
7	119,043	7	127,167	7	135,302	7	143,437	7	151,445	7		7		7		7		7	
1/4	119,212	1/4	127,337	1/4	135,472	1/4	143,607	1/4	151,506	1/4		1/4		1/4		1/4		1/4	
1/2	119,381	1/2	127,506	1/2	135,641	1/2	143,776	1/2	151,566	1/2		1/2		1/2		1/2		1/2	
3/4	119,550	3/4	127,676	3/4	135,811	3/4	143,946	3/4	151,627	3/4		3/4		3/4		3/4		3/4	
8	119,719	8	127,845	8	135,980	8	144,115	8	151,688	8		8		8		8		8	
1/4	119,888	1/4	128,014	1/4	136,150	1/4	144,285	1/4	151,708	1/4		1/4		1/4		1/4		1/4	
1/2	120,057	1/2	128,184	1/2	136,319	1/2	144,454	1/2	151,728	1/2		1/2		1/2		1/2		1/2	
3/4	120,226	3/4	128,353	3/4	136,488	3/4	144,623	3/4		3/4		3/4		3/4		3/4		3/4	
9	120,395	9	128,523	9	136,658	9	144,793	9		9		9		9		9		9	
1/4	120,564	1/4	128,692	1/4	136,827	1/4	144,962	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120,733	1/2	128,862	1/2	136,997	1/2	145,132	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,901	3/4	129,031	3/4	137,166	3/4	145,301	3/4		3/4		3/4		3/4		3/4		3/4	
10	121,070	10	129,201	10	137,336	10	145,471	10		10		10		10		10		10	
1/4	121,239	1/4	129,370	1/4	137,505	1/4	145,640	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,408	1/2	129,540	1/2	137,675	1/2	145,810	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	121,577	3/4	129,709	3/4	137,844	3/4	145,979	3/4		3/4		3/4		3/4		3/4		3/4	
11	121,746	11	129,879	11	138,014	11	146,149	11		11		11		11		11		11	
1/4	121,915	1/4	130,048	1/4	138,183	1/4	146,318	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	122,084	1/2	130,218	1/2	138,353	1/2	146,488	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	122,253	3/4	130,387	3/4	138,522	3/4	146,657	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/01/2019 JS
CALCULATED: 10/01/2019 CL
PRINTED: 10/01/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1416"

2 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	10,068	0	23,506	0	36,780	0	50,055	0	63,492	0	76,930	0	90,368	0	103,805	0	117,243
1/4	63	1/4	10,348	1/4	23,786	1/4	37,052	1/4	50,335	1/4	63,772	1/4	77,210	1/4	90,648	1/4	104,085	1/4	117,523
1/2	86	1/2	10,628	1/2	24,065	1/2	37,323	1/2	50,615	1/2	64,052	1/2	77,490	1/2	90,928	1/2	104,365	1/2	117,803
3/4	109	3/4	10,908	3/4	24,345	3/4	37,595	3/4	50,895	3/4	64,332	3/4	77,770	3/4	91,208	3/4	104,645	3/4	118,083
1	133	1	11,188	1	24,625	1	37,867	1	51,174	1	64,612	1	78,050	1	91,488	1	104,925	1	118,363
1/4	203	1/4	11,468	1/4	24,905	1/4	38,139	1/4	51,454	1/4	64,892	1/4	78,330	1/4	91,767	1/4	105,205	1/4	118,643
1/2	273	1/2	11,748	1/2	25,185	1/2	38,410	1/2	51,734	1/2	65,172	1/2	78,610	1/2	92,047	1/2	105,485	1/2	118,923
3/4	343	3/4	12,028	3/4	25,465	3/4	38,682	3/4	52,014	3/4	65,452	3/4	78,890	3/4	92,327	3/4	105,765	3/4	119,203
2	413	2	12,308	2	25,745	2	38,954	2	52,294	2	65,732	2	79,170	2	92,607	2	106,045	2	119,483
1/4	529	1/4	12,588	1/4	26,025	1/4	39,226	1/4	52,574	1/4	66,012	1/4	79,450	1/4	92,887	1/4	106,325	1/4	119,763
1/2	646	1/2	12,868	1/2	26,305	1/2	39,497	1/2	52,854	1/2	66,292	1/2	79,730	1/2	93,167	1/2	106,605	1/2	120,043
3/4	763	3/4	13,148	3/4	26,585	3/4	39,769	3/4	53,134	3/4	66,572	3/4	80,010	3/4	93,447	3/4	106,885	3/4	120,323
3	879	3	13,428	3	26,865	3	40,041	3	53,414	3	66,852	3	80,289	3	93,727	3	107,165	3	120,602
1/4	1,042	1/4	13,708	1/4	27,145	1/4	40,312	1/4	53,694	1/4	67,132	1/4	80,569	1/4	94,007	1/4	107,445	1/4	120,882
1/2	1,206	1/2	13,988	1/2	27,425	1/2	40,584	1/2	53,974	1/2	67,412	1/2	80,849	1/2	94,287	1/2	107,725	1/2	121,162
3/4	1,369	3/4	14,267	3/4	27,705	3/4	40,856	3/4	54,254	3/4	67,692	3/4	81,129	3/4	94,567	3/4	108,005	3/4	121,442
4	1,532	4	14,547	4	27,985	4	41,128	4	54,534	4	67,972	4	81,409	4	94,847	4	108,285	4	121,722
1/4	1,742	1/4	14,827	1/4	28,265	1/4	41,400	1/4	54,814	1/4	68,252	1/4	81,689	1/4	95,127	1/4	108,565	1/4	122,002
1/2	1,952	1/2	15,107	1/2	28,545	1/2	41,672	1/2	55,094	1/2	68,531	1/2	81,969	1/2	95,407	1/2	108,845	1/2	122,282
3/4	2,162	3/4	15,387	3/4	28,824	3/4	41,944	3/4	55,374	3/4	68,811	3/4	82,249	3/4	95,687	3/4	109,124	3/4	122,562
5	2,372	5	15,667	5	29,104	5	42,216	5	55,654	5	69,091	5	82,529	5	95,967	5	109,404	5	122,842
1/4	2,628	1/4	15,947	1/4	29,384	1/4	42,496	1/4	55,934	1/4	69,371	1/4	82,809	1/4	96,247	1/4	109,684	1/4	123,122
1/2	2,884	1/2	16,227	1/2	29,664	1/2	42,776	1/2	56,214	1/2	69,651	1/2	83,089	1/2	96,527	1/2	109,964	1/2	123,402
3/4	3,140	3/4	16,507	3/4	29,944	3/4	43,056	3/4	56,494	3/4	69,931	3/4	83,369	3/4	96,807	3/4	110,244	3/4	123,682
6	3,396	6	16,787	6	30,224	6	43,336	6	56,774	6	70,211	6	83,649	6	97,087	6	110,524	6	123,962
1/4	3,670	1/4	17,067	1/4	30,504	1/4	43,616	1/4	57,053	1/4	70,491	1/4	83,929	1/4	97,367	1/4	110,804	1/4	124,242
1/2	3,944	1/2	17,347	1/2	30,784	1/2	43,896	1/2	57,333	1/2	70,771	1/2	84,209	1/2	97,646	1/2	111,084	1/2	124,522
3/4	4,219	3/4	17,627	3/4	31,064	3/4	44,176	3/4	57,613	3/4	71,051	3/4	84,489	3/4	97,926	3/4	111,364	3/4	124,802
7	4,493	7	17,907	7	31,344	7	44,456	7	57,893	7	71,331	7	84,769	7	98,206	7	111,644	7	125,082
1/4	4,770	1/4	18,187	1/4	31,616	1/4	44,736	1/4	58,173	1/4	71,611	1/4	85,049	1/4	98,486	1/4	111,924	1/4	125,362
1/2	5,047	1/2	18,467	1/2	31,888	1/2	45,016	1/2	58,453	1/2	71,891	1/2	85,329	1/2	98,766	1/2	112,204	1/2	125,642
3/4	5,324	3/4	18,747	3/4	32,160	3/4	45,296	3/4	58,733	3/4	72,171	3/4	85,609	3/4	99,046	3/4	112,484	3/4	125,922
8	5,600	8	19,026	8	32,432	8	45,575	8	59,013	8	72,451	8	85,888	8	99,326	8	112,764	8	126,202
1/4	5,879	1/4	19,306	1/4	32,704	1/4	45,855	1/4	59,293	1/4	72,731	1/4	86,168	1/4	99,606	1/4	113,044	1/4	126,481
1/2	6,157	1/2	19,586	1/2	32,976	1/2	46,135	1/2	59,573	1/2	73,011	1/2	86,448	1/2	99,886	1/2	113,324	1/2	126,761
3/4	6,435	3/4	19,866	3/4	33,247	3/4	46,415	3/4	59,853	3/4	73,291	3/4	86,728	3/4	100,166	3/4	113,604	3/4	127,041
9	6,713	9	20,146	9	33,519	9	46,695	9	60,133	9	73,571	9	87,008	9	100,446	9	113,884	9	127,321
1/4	6,992	1/4	20,426	1/4	33,791	1/4	46,975	1/4	60,413	1/4	73,851	1/4	87,288	1/4	100,726	1/4	114,164	1/4	127,601
1/2	7,272	1/2	20,706	1/2	34,063	1/2	47,255	1/2	60,693	1/2	74,131	1/2	87,568	1/2	101,006	1/2	114,444	1/2	127,881
3/4	7,551	3/4	20,986	3/4	34,334	3/4	47,535	3/4	60,973	3/4	74,410	3/4	87,848	3/4	101,286	3/4	114,724	3/4	128,161
10	7,830	10	21,266	10	34,606	10	47,815	10	61,253	10	74,690	10	88,128	10	101,566	10	115,003	10	128,441
1/4	8,110	1/4	21,546	1/4	34,878	1/4	48,095	1/4	61,533	1/4	74,970	1/4	88,408	1/4	101,846	1/4	115,283	1/4	128,721
1/2	8,389	1/2	21,826	1/2	35,150	1/2	48,375	1/2	61,813	1/2	75,250	1/2	88,688	1/2	102,126	1/2	115,563	1/2	129,001
3/4	8,669	3/4	22,106	3/4	35,421	3/4	48,655	3/4	62,093	3/4	75,530	3/4	88,968	3/4	102,406	3/4	115,843	3/4	129,281
11	8,949	11	22,386	11	35,693	11	48,935	11	62,373	11	75,810	11	89,248	11	102,686	11	116,123	11	129,561
1/4	9,229	1/4	22,666	1/4	35,965	1/4	49,215	1/4	62,653	1/4	76,090	1/4	89,528	1/4	102,966	1/4	116,403	1/4	129,841
1/2	9,508	1/2	22,946	1/2	36,237	1/2	49,495	1/2	62,932	1/2	76,370	1/2	89,808	1/2	103,245	1/2	116,683	1/2	130,121
3/4	9,788	3/4	23,226	3/4	36,508	3/4	49,775	3/4	63,212	3/4	76,650	3/4	90,088	3/4	103,525	3/4	116,963	3/4	130,401

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'-00" FORWARD OF AFT BULKHEAD

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



BARGE "CBC 1416"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	130,961	1/4	144,398	1/4	157,836	1/4	171,274	1/4	184,711	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	131,241	1/2	144,678	1/2	158,116	1/2	171,554	1/2	184,991	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	131,521	3/4	144,958	3/4	158,396	3/4	171,834	3/4	185,271	3/4		3/4		3/4		3/4		3/4		3/4	
1	131,801	1	145,238	1	158,676	1	172,114	1	185,551	1		1		1		1		1		1	
1/4	132,081	1/4	145,518	1/4	158,956	1/4	172,394	1/4	185,831	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	132,360	1/2	145,798	1/2	159,236	1/2	172,673	1/2	186,111	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	132,640	3/4	146,078	3/4	159,516	3/4	172,953	3/4	186,391	3/4		3/4		3/4		3/4		3/4		3/4	
2	132,920	2	146,358	2	159,796	2	173,233	2	186,671	2		2		2		2		2		2	
1/4	133,200	1/4	146,638	1/4	160,076	1/4	173,513	1/4	186,951	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	133,480	1/2	146,918	1/2	160,356	1/2	173,793	1/2	187,231	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	133,760	3/4	147,198	3/4	160,636	3/4	174,073	3/4	187,511	3/4		3/4		3/4		3/4		3/4		3/4	
3	134,040	3	147,478	3	160,916	3	174,353	3	187,791	3		3		3		3		3		3	
1/4	134,320	1/4	147,758	1/4	161,195	1/4	174,633	1/4	188,071	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	134,600	1/2	148,038	1/2	161,475	1/2	174,913	1/2	188,304	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	134,880	3/4	148,318	3/4	161,755	3/4	175,193	3/4	188,561	3/4		3/4		3/4		3/4		3/4		3/4	
4	135,160	4	148,598	4	162,035	4	175,473	4	188,817	4		4		4		4		4		4	
1/4	135,440	1/4	148,878	1/4	162,315	1/4	175,753	1/4	189,027	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	135,720	1/2	149,158	1/2	162,595	1/2	176,033	1/2	189,237	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	136,000	3/4	149,438	3/4	162,875	3/4	176,313	3/4	189,447	3/4		3/4		3/4		3/4		3/4		3/4	
5	136,280	5	149,717	5	163,155	5	176,593	5	189,657	5		5		5		5		5		5	
1/4	136,560	1/4	149,997	1/4	163,435	1/4	176,873	1/4	189,820	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	136,840	1/2	150,277	1/2	163,715	1/2	177,153	1/2	189,984	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	137,120	3/4	150,557	3/4	163,995	3/4	177,433	3/4	190,147	3/4		3/4		3/4		3/4		3/4		3/4	
6	137,400	6	150,837	6	164,275	6	177,713	6	190,310	6		6		6		6		6		6	
1/4	137,680	1/4	151,117	1/4	164,555	1/4	177,993	1/4	190,427	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	137,959	1/2	151,397	1/2	164,835	1/2	178,273	1/2	190,544	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	138,239	3/4	151,677	3/4	165,115	3/4	178,552	3/4	190,660	3/4		3/4		3/4		3/4		3/4		3/4	
7	138,519	7	151,957	7	165,395	7	178,832	7	190,777	7		7		7		7		7		7	
1/4	138,799	1/4	152,237	1/4	165,675	1/4	179,112	1/4	190,847	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	139,079	1/2	152,517	1/2	165,955	1/2	179,392	1/2	190,917	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	139,359	3/4	152,797	3/4	166,235	3/4	179,672	3/4	190,987	3/4		3/4		3/4		3/4		3/4		3/4	
8	139,639	8	153,077	8	166,515	8	179,952	8	191,057	8		8		8		8		8		8	
1/4	139,919	1/4	153,357	1/4	166,795	1/4	180,232	1/4	191,080	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	140,199	1/2	153,637	1/2	167,074	1/2	180,512	1/2	191,104	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	140,479	3/4	153,917	3/4	167,354	3/4	180,792	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	140,759	9	154,197	9	167,634	9	181,072	9		9		9		9		9		9		9	
1/4	141,039	1/4	154,477	1/4	167,914	1/4	181,352	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	141,319	1/2	154,757	1/2	168,194	1/2	181,632	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	141,599	3/4	155,037	3/4	168,474	3/4	181,912	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	141,879	10	155,316	10	168,754	10	182,192	10		10		10		10		10		10		10	
1/4	142,159	1/4	155,596	1/4	169,034	1/4	182,472	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	142,439	1/2	155,876	1/2	169,314	1/2	182,752	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	142,719	3/4	156,156	3/4	169,594	3/4	183,032	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	142,999	11	156,436	11	169,874	11	183,312	11		11		11		11		11		11		11	
1/4	143,279	1/4	156,716	1/4	170,154	1/4	183,592	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	143,559	1/2	156,996	1/2	170,434	1/2	183,872	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	143,838	3/4	157,276	3/4	170,714	3/4	184,152	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/01/2019 JS
CALCULATED: 10/01/2019 CL
PRINTED: 10/01/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

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



BARGE "CBC 1416"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	40	0	8,997	0	20,999	0	32,986	0	44,977	0	56,979	0	68,981	0	80,983	0	92,986	0	104,988
1/4	60	1/4	9,247	1/4	21,249	1/4	33,236	1/4	45,227	1/4	57,229	1/4	69,231	1/4	81,233	1/4	93,236	1/4	105,238
1/2	81	1/2	9,497	1/2	21,499	1/2	33,485	1/2	45,477	1/2	57,479	1/2	69,481	1/2	81,484	1/2	93,486	1/2	105,488
3/4	102	3/4	9,747	3/4	21,749	3/4	33,734	3/4	45,727	3/4	57,729	3/4	69,731	3/4	81,734	3/4	93,736	3/4	105,738
1	123	1	9,997	1	21,999	1	33,984	1	45,977	1	57,979	1	69,981	1	81,984	1	93,986	1	105,988
1/4	185	1/4	10,247	1/4	22,249	1/4	34,233	1/4	46,227	1/4	58,229	1/4	70,231	1/4	82,234	1/4	94,236	1/4	106,238
1/2	248	1/2	10,497	1/2	22,499	1/2	34,482	1/2	46,477	1/2	58,479	1/2	70,482	1/2	82,484	1/2	94,486	1/2	106,488
3/4	310	3/4	10,747	3/4	22,749	3/4	34,732	3/4	46,727	3/4	58,729	3/4	70,732	3/4	82,734	3/4	94,736	3/4	106,738
2	373	2	10,997	2	22,999	2	34,981	2	46,977	2	58,979	2	70,982	2	82,984	2	94,986	2	106,988
1/4	477	1/4	11,247	1/4	23,249	1/4	35,230	1/4	47,227	1/4	59,229	1/4	71,232	1/4	83,234	1/4	95,236	1/4	107,238
1/2	581	1/2	11,497	1/2	23,499	1/2	35,480	1/2	47,477	1/2	59,480	1/2	71,482	1/2	83,484	1/2	95,486	1/2	107,488
3/4	685	3/4	11,747	3/4	23,749	3/4	35,729	3/4	47,727	3/4	59,730	3/4	71,732	3/4	83,734	3/4	95,736	3/4	107,738
3	790	3	11,997	3	23,999	3	35,978	3	47,977	3	59,980	3	71,982	3	83,984	3	95,986	3	107,988
1/4	935	1/4	12,248	1/4	24,249	1/4	36,227	1/4	48,227	1/4	60,230	1/4	72,232	1/4	84,234	1/4	96,236	1/4	108,238
1/2	1,081	1/2	12,498	1/2	24,499	1/2	36,477	1/2	48,478	1/2	60,480	1/2	72,482	1/2	84,484	1/2	96,486	1/2	108,488
3/4	1,227	3/4	12,748	3/4	24,749	3/4	36,726	3/4	48,728	3/4	60,730	3/4	72,732	3/4	84,734	3/4	96,736	3/4	108,738
4	1,373	4	12,998	4	24,999	4	36,975	4	48,978	4	60,980	4	72,982	4	84,984	4	96,986	4	108,988
1/4	1,560	1/4	13,248	1/4	25,249	1/4	37,225	1/4	49,228	1/4	61,230	1/4	73,232	1/4	85,234	1/4	97,236	1/4	109,239
1/2	1,748	1/2	13,498	1/2	25,499	1/2	37,476	1/2	49,478	1/2	61,480	1/2	73,482	1/2	85,484	1/2	97,486	1/2	109,489
3/4	1,936	3/4	13,748	3/4	25,749	3/4	37,726	3/4	49,728	3/4	61,730	3/4	73,732	3/4	85,734	3/4	97,736	3/4	109,739
5	2,123	5	13,998	5	25,999	5	37,976	5	49,978	5	61,980	5	73,982	5	85,984	5	97,987	5	109,989
1/4	2,352	1/4	14,248	1/4	26,250	1/4	38,226	1/4	50,228	1/4	62,230	1/4	74,232	1/4	86,234	1/4	98,237	1/4	110,239
1/2	2,580	1/2	14,498	1/2	26,500	1/2	38,476	1/2	50,478	1/2	62,480	1/2	74,482	1/2	86,484	1/2	98,487	1/2	110,489
3/4	2,809	3/4	14,748	3/4	26,750	3/4	38,726	3/4	50,728	3/4	62,730	3/4	74,732	3/4	86,734	3/4	98,737	3/4	110,739
6	3,037	6	14,998	6	27,000	6	38,976	6	50,978	6	62,980	6	74,982	6	86,985	6	98,987	6	110,989
1/4	3,282	1/4	15,248	1/4	27,249	1/4	39,226	1/4	51,228	1/4	63,230	1/4	75,232	1/4	87,235	1/4	99,237	1/4	111,239
1/2	3,527	1/2	15,498	1/2	27,499	1/2	39,476	1/2	51,478	1/2	63,480	1/2	75,482	1/2	87,485	1/2	99,487	1/2	111,489
3/4	3,772	3/4	15,748	3/4	27,749	3/4	39,726	3/4	51,728	3/4	63,730	3/4	75,732	3/4	87,735	3/4	99,737	3/4	111,739
7	4,017	7	15,998	7	27,998	7	39,976	7	51,978	7	63,980	7	75,983	7	87,985	7	99,987	7	111,989
1/4	4,265	1/4	16,248	1/4	28,248	1/4	40,226	1/4	52,228	1/4	64,230	1/4	76,233	1/4	88,235	1/4	100,237	1/4	112,239
1/2	4,512	1/2	16,498	1/2	28,498	1/2	40,476	1/2	52,478	1/2	64,480	1/2	76,483	1/2	88,485	1/2	100,487	1/2	112,489
3/4	4,759	3/4	16,748	3/4	28,747	3/4	40,726	3/4	52,728	3/4	64,730	3/4	76,733	3/4	88,735	3/4	100,737	3/4	112,739
8	5,006	8	16,998	8	28,997	8	40,976	8	52,978	8	64,981	8	76,983	8	88,985	8	100,987	8	112,989
1/4	5,255	1/4	17,248	1/4	29,246	1/4	41,226	1/4	53,228	1/4	65,231	1/4	77,233	1/4	89,235	1/4	101,237	1/4	113,239
1/2	5,503	1/2	17,498	1/2	29,496	1/2	41,476	1/2	53,478	1/2	65,481	1/2	77,483	1/2	89,485	1/2	101,487	1/2	113,489
3/4	5,752	3/4	17,748	3/4	29,745	3/4	41,726	3/4	53,728	3/4	65,731	3/4	77,733	3/4	89,735	3/4	101,737	3/4	113,739
9	6,000	9	17,998	9	29,994	9	41,976	9	53,979	9	65,981	9	77,983	9	89,985	9	101,987	9	113,989
1/4	6,250	1/4	18,248	1/4	30,244	1/4	42,226	1/4	54,229	1/4	66,231	1/4	78,233	1/4	90,235	1/4	102,237	1/4	114,239
1/2	6,499	1/2	18,498	1/2	30,493	1/2	42,476	1/2	54,479	1/2	66,481	1/2	78,483	1/2	90,485	1/2	102,487	1/2	114,489
3/4	6,748	3/4	18,748	3/4	30,742	3/4	42,726	3/4	54,729	3/4	66,731	3/4	78,733	3/4	90,735	3/4	102,737	3/4	114,740
10	6,998	10	18,998	10	30,992	10	42,977	10	54,979	10	66,981	10	78,983	10	90,985	10	102,987	10	114,990
1/4	7,248	1/4	19,249	1/4	31,241	1/4	43,227	1/4	55,229	1/4	67,231	1/4	79,233	1/4	91,235	1/4	103,237	1/4	115,240
1/2	7,497	1/2	19,499	1/2	31,490	1/2	43,477	1/2	55,479	1/2	67,481	1/2	79,483	1/2	91,485	1/2	103,488	1/2	115,490
3/4	7,747	3/4	19,749	3/4	31,740	3/4	43,727	3/4	55,729	3/4	67,731	3/4	79,733	3/4	91,735	3/4	103,738	3/4	115,740
11	7,997	11	19,999	11	31,989	11	43,977	11	55,979	11	67,981	11	79,983	11	91,985	11	103,988	11	115,990
1/4	8,247	1/4	20,249	1/4	32,238	1/4	44,227	1/4	56,229	1/4	68,231	1/4	80,233	1/4	92,235	1/4	104,238	1/4	116,240
1/2	8,497	1/2	20,499	1/2	32,488	1/2	44,477	1/2	56,479	1/2	68,481	1/2	80,483	1/2	92,486	1/2	104,488	1/2	116,490
3/4	8,747	3/4	20,749	3/4	32,737	3/4	44,727	3/4	56,729	3/4	68,731	3/4	80,733	3/4	92,736	3/4	104,738	3/4	116,740

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'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
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 Pearland, Texas 77588
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BARGE "CBC 1416"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	117,240	1/4	129,242	1/4	141,244	1/4	153,247	1/4	165,249	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	117,490	1/2	129,492	1/2	141,494	1/2	153,497	1/2	165,499	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	117,740	3/4	129,742	3/4	141,744	3/4	153,747	3/4	165,749	3/4		3/4		3/4		3/4		3/4		3/4	
1	117,990	1	129,992	1	141,994	1	153,997	1	165,999	1	1	1	1	1	1	1	1	1	1	1	1
1/4	118,240	1/4	130,242	1/4	142,245	1/4	154,247	1/4	166,249	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	118,490	1/2	130,492	1/2	142,495	1/2	154,497	1/2	166,499	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	118,740	3/4	130,742	3/4	142,745	3/4	154,747	3/4	166,749	3/4		3/4		3/4		3/4		3/4		3/4	
2	118,990	2	130,992	2	142,995	2	154,997	2	166,999	2	2	2	2	2	2	2	2	2	2	2	2
1/4	119,240	1/4	131,243	1/4	143,245	1/4	155,247	1/4	167,249	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	119,490	1/2	131,493	1/2	143,495	1/2	155,497	1/2	167,499	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	119,740	3/4	131,743	3/4	143,745	3/4	155,747	3/4	167,749	3/4		3/4		3/4		3/4		3/4		3/4	
3	119,990	3	131,993	3	143,995	3	155,997	3	167,999	3	3	3	3	3	3	3	3	3	3	3	3
1/4	120,241	1/4	132,243	1/4	144,245	1/4	156,247	1/4	168,228	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120,491	1/2	132,493	1/2	144,495	1/2	156,497	1/2	168,458	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,741	3/4	132,743	3/4	144,745	3/4	156,747	3/4	168,687	3/4		3/4		3/4		3/4		3/4		3/4	
4	120,991	4	132,993	4	144,995	4	156,997	4	168,916	4	4	4	4	4	4	4	4	4	4	4	4
1/4	121,241	1/4	133,243	1/4	145,245	1/4	157,247	1/4	169,104	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,491	1/2	133,493	1/2	145,495	1/2	157,497	1/2	169,291	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	121,741	3/4	133,743	3/4	145,745	3/4	157,747	3/4	169,479	3/4		3/4		3/4		3/4		3/4		3/4	
5	121,991	5	133,993	5	145,995	5	157,997	5	169,666	5	5	5	5	5	5	5	5	5	5	5	5
1/4	122,241	1/4	134,243	1/4	146,245	1/4	158,247	1/4	169,812	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	122,491	1/2	134,493	1/2	146,495	1/2	158,497	1/2	169,958	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	122,741	3/4	134,743	3/4	146,745	3/4	158,748	3/4	170,104	3/4		3/4		3/4		3/4		3/4		3/4	
6	122,991	6	134,993	6	146,995	6	158,998	6	170,250	6	6	6	6	6	6	6	6	6	6	6	6
1/4	123,241	1/4	135,243	1/4	147,245	1/4	159,248	1/4	170,354	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	123,491	1/2	135,493	1/2	147,495	1/2	159,498	1/2	170,458	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	123,741	3/4	135,743	3/4	147,746	3/4	159,748	3/4	170,562	3/4		3/4		3/4		3/4		3/4		3/4	
7	123,991	7	135,993	7	147,996	7	159,998	7	170,666	7	7	7	7	7	7	7	7	7	7	7	7
1/4	124,241	1/4	136,243	1/4	148,246	1/4	160,248	1/4	170,729	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	124,491	1/2	136,493	1/2	148,496	1/2	160,498	1/2	170,791	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	124,741	3/4	136,744	3/4	148,746	3/4	160,748	3/4	170,854	3/4		3/4		3/4		3/4		3/4		3/4	
8	124,991	8	136,994	8	148,996	8	160,998	8	170,916	8	8	8	8	8	8	8	8	8	8	8	8
1/4	125,241	1/4	137,244	1/4	149,246	1/4	161,248	1/4	170,937	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	125,491	1/2	137,494	1/2	149,496	1/2	161,498	1/2	170,958	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	125,742	3/4	137,744	3/4	149,746	3/4	161,748	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	125,992	9	137,994	9	149,996	9	161,998	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	126,242	1/4	138,244	1/4	150,246	1/4	162,248	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,492	1/2	138,494	1/2	150,496	1/2	162,498	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,742	3/4	138,744	3/4	150,746	3/4	162,748	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	126,992	10	138,994	10	150,996	10	162,998	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	127,242	1/4	139,244	1/4	151,246	1/4	163,248	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,492	1/2	139,494	1/2	151,496	1/2	163,498	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,742	3/4	139,744	3/4	151,746	3/4	163,748	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	127,992	11	139,994	11	151,996	11	163,998	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	128,242	1/4	140,244	1/4	152,246	1/4	164,249	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,492	1/2	140,494	1/2	152,496	1/2	164,499	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,742	3/4	140,744	3/4	152,746	3/4	164,749	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/01/2019 JS
CALCULATED: 10/01/2019 CL
PRINTED: 10/01/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1416"

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	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8	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	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 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: 176'-06"

October 1, 2019

**PRECISION MEASUREMENT
 & ANALYSIS, INC.**
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 Pearland, Texas 77588

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BARGE "CBC 1416"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	151,728	0	144,454	0	136,319	0	128,184	0	120,057	0	111,930	0	103,803	0	95,676	0	87,549
1/4	1/4	1/4	151,708	1/4	144,285	1/4	136,150	1/4	128,014	1/4	119,888	1/4	111,762	1/4	103,636	1/4	95,510	1/4	87,383
1/2	1/2	1/2	151,688	1/2	144,115	1/2	135,980	1/2	127,845	1/2	119,719	1/2	111,596	1/2	103,510	1/2	95,384	1/2	87,258
3/4	3/4	3/4	151,627	3/4	143,946	3/4	135,811	3/4	127,676	3/4	119,550	3/4	111,473	3/4	103,378	3/4	95,259	3/4	87,135
1	1	1	151,566	1	143,776	1	135,641	1	127,506	1	119,381	1	111,348	1	103,253	1	95,140	1	87,000
1/4	1/4	1/4	151,506	1/4	143,607	1/4	135,472	1/4	127,337	1/4	119,212	1/4	111,224	1/4	103,128	1/4	95,021	1/4	86,867
1/2	1/2	1/2	151,445	1/2	143,437	1/2	135,302	1/2	127,167	1/2	119,043	1/2	111,101	1/2	103,002	1/2	94,902	1/2	86,733
3/4	3/4	3/4	151,344	3/4	143,268	3/4	135,133	3/4	126,998	3/4	118,875	3/4	110,978	3/4	102,883	3/4	94,785	3/4	86,599
2	2	2	151,243	2	143,098	2	134,963	2	126,828	2	118,706	2	110,853	2	102,759	2	94,666	2	86,466
1/4	1/4	1/4	151,142	1/4	142,929	1/4	134,794	1/4	126,659	1/4	118,537	1/4	110,728	1/4	102,636	1/4	94,543	1/4	86,332
1/2	1/2	1/2	151,041	1/2	142,759	1/2	134,624	1/2	126,489	1/2	118,368	1/2	110,603	1/2	102,510	1/2	94,420	1/2	86,200
3/4	3/4	3/4	150,900	3/4	142,590	3/4	134,455	3/4	126,320	3/4	118,199	3/4	110,478	3/4	102,387	3/4	94,297	3/4	86,066
3	3	3	150,759	3	142,420	3	134,285	3	126,150	3	118,031	3	110,353	3	102,264	3	94,174	3	85,932
1/4	1/4	1/4	150,617	1/4	142,251	1/4	134,116	1/4	125,981	1/4	118,863	1/4	110,228	1/4	102,142	1/4	94,051	1/4	85,798
1/2	1/2	1/2	150,476	1/2	142,081	1/2	133,946	1/2	125,811	1/2	117,694	1/2	110,103	1/2	102,019	1/2	93,928	1/2	85,664
3/4	3/4	3/4	150,294	3/4	141,912	3/4	133,777	3/4	125,642	3/4	117,453	3/4	110,000	3/4	101,896	3/4	93,805	3/4	85,530
4	4	4	150,112	4	141,742	4	133,607	4	125,472	4	117,212	4	109,875	4	101,771	4	93,682	4	85,396
1/4	1/4	1/4	149,931	1/4	141,573	1/4	133,438	1/4	125,303	1/4	117,070	1/4	109,750	1/4	101,648	1/4	93,559	1/4	85,262
1/2	1/2	1/2	149,749	1/2	141,403	1/2	133,268	1/2	125,133	1/2	116,729	1/2	109,625	1/2	101,525	1/2	93,436	1/2	85,128
3/4	3/4	3/4	149,527	3/4	141,234	3/4	133,099	3/4	124,964	3/4	116,488	3/4	109,500	3/4	101,402	3/4	93,313	3/4	84,994
5	5	5	149,305	5	141,064	5	132,929	5	124,794	5	116,247	5	109,375	5	101,278	5	93,190	5	84,860
1/4	1/4	1/4	149,083	1/4	140,895	1/4	132,760	1/4	124,625	1/4	116,005	1/4	109,250	1/4	101,154	1/4	93,067	1/4	84,726
1/2	1/2	1/2	148,860	1/2	140,725	1/2	132,590	1/2	124,455	1/2	115,764	1/2	109,125	1/2	101,030	1/2	92,944	1/2	84,592
3/4	3/4	3/4	148,691	3/4	140,556	3/4	132,421	3/4	124,286	3/4	115,523	3/4	109,000	3/4	100,906	3/4	92,821	3/4	84,458
6	6	6	148,522	6	140,387	6	132,251	6	124,116	6	115,281	6	108,875	6	100,781	6	92,700	6	84,324
1/4	1/4	1/4	148,352	1/4	140,217	1/4	132,082	1/4	123,947	1/4	115,040	1/4	108,750	1/4	100,657	1/4	92,577	1/4	84,190
1/2	1/2	1/2	148,183	1/2	140,048	1/2	131,913	1/2	123,777	1/2	114,799	1/2	108,625	1/2	100,533	1/2	92,454	1/2	84,056
3/4	3/4	3/4	148,013	3/4	139,878	3/4	131,743	3/4	123,608	3/4	114,558	3/4	108,500	3/4	100,409	3/4	92,331	3/4	83,922
7	7	7	147,844	7	139,709	7	131,574	7	123,439	7	114,316	7	108,375	7	100,284	7	92,208	7	83,788
1/4	1/4	1/4	147,674	1/4	139,539	1/4	131,404	1/4	123,269	1/4	114,075	1/4	108,250	1/4	100,160	1/4	92,085	1/4	83,654
1/2	1/2	1/2	147,505	1/2	139,370	1/2	131,235	1/2	123,100	1/2	113,834	1/2	108,125	1/2	100,036	1/2	91,962	1/2	83,520
3/4	3/4	3/4	147,335	3/4	139,200	3/4	131,065	3/4	122,930	3/4	113,593	3/4	108,000	3/4	100,000	3/4	91,839	3/4	83,386
8	8	8	147,166	8	139,031	8	130,896	8	122,761	8	113,351	8	107,875	8	99,875	8	91,716	8	83,252
1/4	1/4	1/4	146,996	1/4	138,861	1/4	130,726	1/4	122,591	1/4	113,110	1/4	107,750	1/4	99,750	1/4	91,593	1/4	83,118
1/2	1/2	1/2	146,827	1/2	138,692	1/2	130,557	1/2	122,422	1/2	112,869	1/2	107,625	1/2	99,625	1/2	91,470	1/2	82,984
3/4	3/4	3/4	146,657	3/4	138,522	3/4	130,387	3/4	122,253	3/4	112,627	3/4	107,500	3/4	99,500	3/4	91,347	3/4	82,850
9	9	9	146,488	9	138,353	9	130,218	9	122,084	9	112,385	9	107,375	9	99,375	9	91,224	9	82,716
1/4	1/4	1/4	146,318	1/4	138,183	1/4	130,048	1/4	121,915	1/4	112,143	1/4	107,250	1/4	99,250	1/4	91,101	1/4	82,582
1/2	1/2	1/2	146,149	1/2	138,014	1/2	129,879	1/2	121,746	1/2	111,902	1/2	107,125	1/2	99,125	1/2	90,978	1/2	82,448
3/4	3/4	3/4	145,979	3/4	137,844	3/4	129,709	3/4	121,577	3/4	111,660	3/4	107,000	3/4	99,000	3/4	90,855	3/4	82,314
10	10	10	145,810	10	137,675	10	129,540	10	121,408	10	111,418	10	106,875	10	98,875	10	90,732	10	82,180
1/4	1/4	1/4	145,640	1/4	137,505	1/4	129,370	1/4	121,239	1/4	111,176	1/4	106,750	1/4	98,750	1/4	90,609	1/4	82,046
1/2	1/2	1/2	145,471	1/2	137,336	1/2	129,201	1/2	121,070	1/2	110,934	1/2	106,625	1/2	98,625	1/2	90,486	1/2	81,912
3/4	3/4	3/4	145,301	3/4	137,166	3/4	129,031	3/4	120,901	3/4	110,692	3/4	106,500	3/4	98,500	3/4	90,363	3/4	81,778
11	11	11	145,132	11	136,997	11	128,862	11	120,733	11	110,451	11	106,375	11	98,375	11	90,240	11	81,644
1/4	1/4	1/4	144,962	1/4	136,827	1/4	128,692	1/4	120,564	1/4	110,209	1/4	106,250	1/4	98,250	1/4	90,117	1/4	81,510
1/2	1/2	1/2	144,793	1/2	136,658	1/2	128,523	1/2	120,395	1/2	109,967	1/2	106,125	1/2	98,125	1/2	89,994	1/2	81,376
3/4	3/4	3/4	144,623	3/4	136,488	3/4	128,353	3/4	120,226	3/4	109,725	3/4	106,000	3/4	98,000	3/4	89,871	3/4	81,242

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'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CBC 1416"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	74,705	0	63,108	0	51,505	0	39,902	0	28,515	0	16,959	0	5,334	0		0		0	
1/4	74,464	1/4	62,867	1/4	51,264	1/4	39,661	1/4	28,280	1/4	16,716	1/4	5,093	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,223	1/2	62,625	1/2	51,022	1/2	39,419	1/2	28,046	1/2	16,474	1/2	4,853	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,982	3/4	62,383	3/4	50,780	3/4	39,177	3/4	27,811	3/4	16,232	3/4	4,613	3/4	3/4	3/4	3/4	3/4	3/4
1	73,741	1	62,141	1	50,538	1	38,935	1	27,576	1	15,989	1	4,373	1	1	1	1	1	1
1/4	73,500	1/4	61,900	1/4	50,297	1/4	38,694	1/4	27,341	1/4	15,747	1/4	4,134	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,259	1/2	61,658	1/2	50,055	1/2	38,452	1/2	27,106	1/2	15,505	1/2	3,894	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,017	3/4	61,416	3/4	49,813	3/4	38,210	3/4	26,871	3/4	15,262	3/4	3,657	3/4	3/4	3/4	3/4	3/4	3/4
2	72,776	2	61,175	2	49,572	2	37,969	2	26,636	2	15,020	2	3,419	2	2	2	2	2	2
1/4	72,535	1/4	60,933	1/4	49,330	1/4	37,727	1/4	26,401	1/4	14,778	1/4	3,182	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,294	1/2	60,691	1/2	49,088	1/2	37,485	1/2	26,166	1/2	14,535	1/2	2,944	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,052	3/4	60,449	3/4	48,846	3/4	37,243	3/4	25,924	3/4	14,293	3/4	2,723	3/4	3/4	3/4	3/4	3/4	3/4
3	71,811	3	60,208	3	48,605	3	37,002	3	25,682	3	14,051	3	2,501	3	3	3	3	3	3
1/4	71,569	1/4	59,966	1/4	48,363	1/4	36,760	1/4	25,439	1/4	13,808	1/4	2,280	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,327	1/2	59,724	1/2	48,121	1/2	36,518	1/2	25,197	1/2	13,566	1/2	2,058	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,085	3/4	59,482	3/4	47,879	3/4	36,276	3/4	24,955	3/4	13,324	3/4	1,877	3/4	3/4	3/4	3/4	3/4	3/4
4	70,844	4	59,241	4	47,638	4	36,035	4	24,713	4	13,082	4	1,695	4	4	4	4	4	4
1/4	70,602	1/4	58,999	1/4	47,396	1/4	35,793	1/4	24,470	1/4	12,839	1/4	1,513	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,360	1/2	58,757	1/2	47,154	1/2	35,551	1/2	24,228	1/2	12,597	1/2	1,332	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,118	3/4	58,516	3/4	46,913	3/4	35,317	3/4	23,986	3/4	12,355	3/4	1,190	3/4	3/4	3/4	3/4	3/4	3/4
5	69,877	5	58,274	5	46,671	5	35,082	5	23,743	5	12,112	5	1,049	5	5	5	5	5	5
1/4	69,635	1/4	58,032	1/4	46,429	1/4	34,848	1/4	23,501	1/4	11,870	1/4	908	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,393	1/2	57,790	1/2	46,187	1/2	34,613	1/2	23,259	1/2	11,628	1/2	766	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,152	3/4	57,549	3/4	45,946	3/4	34,379	3/4	23,016	3/4	11,385	3/4	665	3/4	3/4	3/4	3/4	3/4	3/4
6	68,910	6	57,307	6	45,704	6	34,144	6	22,774	6	11,143	6	564	6	6	6	6	6	6
1/4	68,668	1/4	57,065	1/4	45,462	1/4	33,909	1/4	22,532	1/4	10,901	1/4	463	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,426	1/2	56,823	1/2	45,220	1/2	33,675	1/2	22,289	1/2	10,658	1/2	362	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,185	3/4	56,582	3/4	44,979	3/4	33,440	3/4	22,047	3/4	10,416	3/4	302	3/4	3/4	3/4	3/4	3/4	3/4
7	67,943	7	56,340	7	44,737	7	33,206	7	21,805	7	10,174	7	241	7	7	7	7	7	7
1/4	67,701	1/4	56,098	1/4	44,495	1/4	32,971	1/4	21,562	1/4	9,931	1/4	181	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,459	1/2	55,856	1/2	44,254	1/2	32,737	1/2	21,320	1/2	9,689	1/2	120	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,218	3/4	55,615	3/4	44,012	3/4	32,502	3/4	21,078	3/4	9,447	3/4	100	3/4	3/4	3/4	3/4	3/4	3/4
8	66,976	8	55,373	8	43,770	8	32,268	8	20,836	8	9,205	8	80	8	8	8	8	8	8
1/4	66,734	1/4	55,131	1/4	43,528	1/4	32,033	1/4	20,593	1/4	8,962	1/4	60	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,493	1/2	54,890	1/2	43,287	1/2	31,799	1/2	20,351	1/2	8,720	1/2	39	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,251	3/4	54,648	3/4	43,045	3/4	31,564	3/4	20,109	3/4	8,478	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	66,009	9	54,406	9	42,803	9	31,329	9	19,866	9	8,235	9		9	9	9	9	9	9
1/4	65,767	1/4	54,164	1/4	42,561	1/4	31,095	1/4	19,624	1/4	7,993	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,526	1/2	53,923	1/2	42,320	1/2	30,860	1/2	19,382	1/2	7,751	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,284	3/4	53,681	3/4	42,078	3/4	30,626	3/4	19,139	3/4	7,509	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	65,042	10	53,439	10	41,836	10	30,391	10	18,897	10	7,267	10		10	10	10	10	10	10
1/4	64,800	1/4	53,197	1/4	41,594	1/4	30,157	1/4	18,655	1/4	7,024	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,559	1/2	52,956	1/2	41,353	1/2	29,922	1/2	18,412	1/2	6,782	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,317	3/4	52,714	3/4	41,111	3/4	29,688	3/4	18,170	3/4	6,541	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	64,075	11	52,472	11	40,869	11	29,453	11	17,928	11	6,299	11		11	11	11	11	11	11
1/4	63,834	1/4	52,231	1/4	40,628	1/4	29,219	1/4	17,685	1/4	6,057	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,592	1/2	51,989	1/2	40,386	1/2	28,984	1/2	17,443	1/2	5,816	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,350	3/4	51,747	3/4	40,144	3/4	28,749	3/4	17,201	3/4	5,575	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/01/2019 JS
CALCULATED: 10/01/2019 CL
PRINTED: 10/01/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

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



BARGE "CBC 1416"

2 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	191,080	0	180,232	0	166,795	0	153,357	0	139,919	0	126,481	0	113,044	0	99,606
1/4	1/4	1/4	1/4	1/4	191,057	1/4	179,952	1/4	166,515	1/4	153,077	1/4	139,639	1/4	126,202	1/4	112,764	1/4	99,326
1/2	1/2	1/2	1/2	1/2	190,987	1/2	179,672	1/2	166,235	1/2	152,797	1/2	139,359	1/2	125,922	1/2	112,484	1/2	99,046
3/4	3/4	3/4	3/4	3/4	190,917	3/4	179,392	3/4	165,955	3/4	152,517	3/4	139,079	3/4	125,642	3/4	112,204	3/4	98,766
1	1	1	1	1	190,847	1	179,112	1	165,675	1	152,237	1	138,799	1	125,362	1	111,924	1	98,486
1/4	1/4	1/4	1/4	1/4	190,777	1/4	178,832	1/4	165,395	1/4	151,957	1/4	138,519	1/4	125,082	1/4	111,644	1/4	98,206
1/2	1/2	1/2	1/2	1/2	190,660	1/2	178,552	1/2	165,115	1/2	151,677	1/2	138,239	1/2	124,802	1/2	111,364	1/2	97,926
3/4	3/4	3/4	3/4	3/4	190,544	3/4	178,273	3/4	164,835	3/4	151,397	3/4	137,959	3/4	124,522	3/4	111,084	3/4	97,646
2	2	2	2	2	190,427	2	177,993	2	164,555	2	151,117	2	137,680	2	124,242	2	110,804	2	97,367
1/4	1/4	1/4	1/4	1/4	190,310	1/4	177,713	1/4	164,275	1/4	150,837	1/4	137,400	1/4	123,962	1/4	110,524	1/4	97,087
1/2	1/2	1/2	1/2	1/2	190,147	1/2	177,433	1/2	163,995	1/2	150,557	1/2	137,120	1/2	123,682	1/2	110,244	1/2	96,807
3/4	3/4	3/4	3/4	3/4	189,984	3/4	177,153	3/4	163,715	3/4	150,277	3/4	136,840	3/4	123,402	3/4	109,964	3/4	96,527
3	3	3	3	3	189,820	3	176,873	3	163,435	3	149,997	3	136,560	3	123,122	3	109,684	3	96,247
1/4	1/4	1/4	1/4	1/4	189,657	1/4	176,593	1/4	163,155	1/4	149,717	1/4	136,280	1/4	122,842	1/4	109,404	1/4	95,967
1/2	1/2	1/2	1/2	1/2	189,447	1/2	176,313	1/2	162,875	1/2	149,438	1/2	136,000	1/2	122,562	1/2	109,124	1/2	95,687
3/4	3/4	3/4	3/4	3/4	189,237	3/4	176,033	3/4	162,595	3/4	149,158	3/4	135,720	3/4	122,282	3/4	108,845	3/4	95,407
4	4	4	4	4	189,027	4	175,753	4	162,315	4	148,878	4	135,440	4	122,002	4	108,565	4	95,127
1/4	1/4	1/4	1/4	1/4	188,817	1/4	175,473	1/4	162,035	1/4	148,598	1/4	135,160	1/4	121,722	1/4	108,285	1/4	94,847
1/2	1/2	1/2	1/2	1/2	188,561	1/2	175,193	1/2	161,755	1/2	148,318	1/2	134,880	1/2	121,442	1/2	108,005	1/2	94,567
3/4	3/4	3/4	3/4	3/4	188,304	3/4	174,913	3/4	161,475	3/4	148,038	3/4	134,600	3/4	121,162	3/4	107,725	3/4	94,287
5	5	5	5	5	188,047	5	174,633	5	161,195	5	147,758	5	134,320	5	120,882	5	107,445	5	94,007
1/4	1/4	1/4	1/4	1/4	187,791	1/4	174,353	1/4	160,916	1/4	147,478	1/4	134,040	1/4	120,602	1/4	107,165	1/4	93,727
1/2	1/2	1/2	1/2	1/2	187,511	1/2	174,073	1/2	160,636	1/2	147,198	1/2	133,760	1/2	120,323	1/2	106,885	1/2	93,447
3/4	3/4	3/4	3/4	3/4	187,231	3/4	173,793	3/4	160,356	3/4	146,918	3/4	133,480	3/4	120,043	3/4	106,605	3/4	93,167
6	6	6	6	6	186,951	6	173,513	6	160,076	6	146,638	6	133,200	6	119,763	6	106,325	6	92,887
1/4	1/4	1/4	1/4	1/4	186,671	1/4	173,233	1/4	159,796	1/4	146,358	1/4	132,920	1/4	119,483	1/4	106,045	1/4	92,607
1/2	1/2	1/2	1/2	1/2	186,391	1/2	172,953	1/2	159,516	1/2	146,078	1/2	132,640	1/2	119,203	1/2	105,765	1/2	92,327
3/4	3/4	3/4	3/4	3/4	186,111	3/4	172,673	3/4	159,236	3/4	145,798	3/4	132,360	3/4	118,923	3/4	105,485	3/4	92,047
7	7	7	7	7	185,831	7	172,394	7	158,956	7	145,518	7	132,081	7	118,643	7	105,205	7	91,767
1/4	1/4	1/4	1/4	1/4	185,551	1/4	172,114	1/4	158,676	1/4	145,238	1/4	131,801	1/4	118,363	1/4	104,925	1/4	91,488
1/2	1/2	1/2	1/2	1/2	185,271	1/2	171,834	1/2	158,396	1/2	144,958	1/2	131,521	1/2	118,083	1/2	104,645	1/2	91,208
3/4	3/4	3/4	3/4	3/4	184,991	3/4	171,554	3/4	158,116	3/4	144,678	3/4	131,241	3/4	117,803	3/4	104,365	3/4	90,928
8	8	8	8	8	184,711	8	171,274	8	157,836	8	144,398	8	130,961	8	117,523	8	104,085	8	90,648
1/4	1/4	1/4	1/4	1/4	184,431	1/4	170,994	1/4	157,556	1/4	144,118	1/4	130,681	1/4	117,243	1/4	103,805	1/4	90,368
1/2	1/2	1/2	1/2	1/2	184,152	1/2	170,714	1/2	157,276	1/2	143,838	1/2	130,401	1/2	116,963	1/2	103,525	1/2	90,088
3/4	3/4	3/4	3/4	3/4	183,872	3/4	170,434	3/4	156,996	3/4	143,559	3/4	130,121	3/4	116,683	3/4	103,245	3/4	89,808
9	9	9	9	9	183,592	9	170,154	9	156,716	9	143,279	9	129,841	9	116,403	9	102,966	9	89,528
1/4	1/4	1/4	1/4	1/4	183,312	1/4	169,874	1/4	156,436	1/4	142,999	1/4	129,561	1/4	116,123	1/4	102,686	1/4	89,248
1/2	1/2	1/2	1/2	1/2	183,032	1/2	169,594	1/2	156,156	1/2	142,719	1/2	129,281	1/2	115,843	1/2	102,406	1/2	88,968
3/4	3/4	3/4	3/4	3/4	182,752	3/4	169,314	3/4	155,876	3/4	142,439	3/4	129,001	3/4	115,563	3/4	102,126	3/4	88,688
10	10	10	10	10	182,472	10	169,034	10	155,596	10	142,159	10	128,721	10	115,283	10	101,846	10	88,408
1/4	1/4	1/4	1/4	1/4	182,192	1/4	168,754	1/4	155,316	1/4	141,879	1/4	128,441	1/4	115,003	1/4	101,566	1/4	88,128
1/2	1/2	1/2	1/2	1/2	181,912	1/2	168,474	1/2	155,037	1/2	141,599	1/2	128,161	1/2	114,724	1/2	101,286	1/2	87,848
3/4	3/4	3/4	3/4	3/4	181,632	3/4	168,194	3/4	154,757	3/4	141,319	3/4	127,881	3/4	114,444	3/4	101,006	3/4	87,568
11	11	11	11	11	181,352	11	167,914	11	154,477	11	141,039	11	127,601	11	114,164	11	100,726	11	87,288
1/4	1/4	1/4	1/4	1/4	181,072	1/4	167,634	1/4	154,197	1/4	140,759	1/4	127,321	1/4	113,884	1/4	100,446	1/4	87,008
1/2	1/2	1/2	1/2	1/2	180,792	1/2	167,354	1/2	153,917	1/2	140,479	1/2	127,041	1/2	113,604	1/2	100,166	1/2	86,728
3/4	3/4	3/4	3/4	3/4	191,104	3/4	180,512	3/4	167,074	3/4	153,637	3/4	140,199	3/4	126,761	3/4	113,324	3/4	86,448

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'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
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BARGE "CBC 1416"

2 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	86,168	0	72,731	0	59,293	0	45,855	0	32,704	0	19,306	0	5,879	0		0		0	
1/4	85,888	1/4	72,451	1/4	59,013	1/4	45,575	1/4	32,432	1/4	19,026	1/4	5,600	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,609	1/2	72,171	1/2	58,733	1/2	45,296	1/2	32,160	1/2	18,747	1/2	5,324	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,329	3/4	71,891	3/4	58,453	3/4	45,016	3/4	31,888	3/4	18,467	3/4	5,047	3/4	3/4	3/4	3/4	3/4	3/4
1	85,049	1	71,611	1	58,173	1	44,736	1	31,616	1	18,187	1	4,770	1	1	1	1	1	1
1/4	84,769	1/4	71,331	1/4	57,893	1/4	44,456	1/4	31,344	1/4	17,907	1/4	4,493	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,489	1/2	71,051	1/2	57,613	1/2	44,176	1/2	31,064	1/2	17,627	1/2	4,219	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,209	3/4	70,771	3/4	57,333	3/4	43,896	3/4	30,784	3/4	17,347	3/4	3,944	3/4	3/4	3/4	3/4	3/4	3/4
2	83,929	2	70,491	2	57,053	2	43,616	2	30,504	2	17,067	2	3,670	2	2	2	2	2	2
1/4	83,649	1/4	70,211	1/4	56,774	1/4	43,336	1/4	30,224	1/4	16,787	1/4	3,396	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,369	1/2	69,931	1/2	56,494	1/2	43,056	1/2	29,944	1/2	16,507	1/2	3,140	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,089	3/4	69,651	3/4	56,214	3/4	42,776	3/4	29,664	3/4	16,227	3/4	2,884	3/4	3/4	3/4	3/4	3/4	3/4
3	82,809	3	69,371	3	55,934	3	42,496	3	29,384	3	15,947	3	2,628	3	3	3	3	3	3
1/4	82,529	1/4	69,091	1/4	55,654	1/4	42,216	1/4	29,104	1/4	15,667	1/4	2,372	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,249	1/2	68,811	1/2	55,374	1/2	41,944	1/2	28,824	1/2	15,387	1/2	2,162	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,969	3/4	68,531	3/4	55,094	3/4	41,672	3/4	28,545	3/4	15,107	3/4	1,952	3/4	3/4	3/4	3/4	3/4	3/4
4	81,689	4	68,252	4	54,814	4	41,400	4	28,265	4	14,827	4	1,742	4	4	4	4	4	4
1/4	81,409	1/4	67,972	1/4	54,534	1/4	41,128	1/4	27,985	1/4	14,547	1/4	1,532	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,129	1/2	67,692	1/2	54,254	1/2	40,856	1/2	27,705	1/2	14,267	1/2	1,369	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,849	3/4	67,412	3/4	53,974	3/4	40,584	3/4	27,425	3/4	13,988	3/4	1,206	3/4	3/4	3/4	3/4	3/4	3/4
5	80,569	5	67,132	5	53,694	5	40,312	5	27,145	5	13,708	5	1,042	5	5	5	5	5	5
1/4	80,289	1/4	66,852	1/4	53,414	1/4	40,041	1/4	26,865	1/4	13,428	1/4	879	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,010	1/2	66,572	1/2	53,134	1/2	39,769	1/2	26,585	1/2	13,148	1/2	763	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,730	3/4	66,292	3/4	52,854	3/4	39,497	3/4	26,305	3/4	12,868	3/4	646	3/4	3/4	3/4	3/4	3/4	3/4
6	79,450	6	66,012	6	52,574	6	39,226	6	26,025	6	12,588	6	529	6	6	6	6	6	6
1/4	79,170	1/4	65,732	1/4	52,294	1/4	38,954	1/4	25,745	1/4	12,308	1/4	413	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,890	1/2	65,452	1/2	52,014	1/2	38,682	1/2	25,465	1/2	12,028	1/2	343	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,610	3/4	65,172	3/4	51,734	3/4	38,410	3/4	25,185	3/4	11,748	3/4	273	3/4	3/4	3/4	3/4	3/4	3/4
7	78,330	7	64,892	7	51,454	7	38,139	7	24,905	7	11,468	7	203	7	7	7	7	7	7
1/4	78,050	1/4	64,612	1/4	51,174	1/4	37,867	1/4	24,625	1/4	11,188	1/4	133	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,770	1/2	64,332	1/2	50,895	1/2	37,595	1/2	24,345	1/2	10,908	1/2	109	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,490	3/4	64,052	3/4	50,615	3/4	37,323	3/4	24,065	3/4	10,628	3/4	86	3/4	3/4	3/4	3/4	3/4	3/4
8	77,210	8	63,772	8	50,335	8	37,052	8	23,786	8	10,348	8	63	8	8	8	8	8	8
1/4	76,930	1/4	63,492	1/4	50,055	1/4	36,780	1/4	23,506	1/4	10,068	1/4	39	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,650	1/2	63,212	1/2	49,775	1/2	36,508	1/2	23,226	1/2	9,788	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,370	3/4	62,932	3/4	49,495	3/4	36,237	3/4	22,946	3/4	9,508	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	76,090	9	62,653	9	49,215	9	35,965	9	22,666	9	9,229	9		9	9	9	9	9	9
1/4	75,810	1/4	62,373	1/4	48,935	1/4	35,693	1/4	22,386	1/4	8,949	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,530	1/2	62,093	1/2	48,655	1/2	35,421	1/2	22,106	1/2	8,669	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,250	3/4	61,813	3/4	48,375	3/4	35,150	3/4	21,826	3/4	8,389	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	74,970	10	61,533	10	48,095	10	34,878	10	21,546	10	8,110	10		10	10	10	10	10	10
1/4	74,690	1/4	61,253	1/4	47,815	1/4	34,606	1/4	21,266	1/4	7,830	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,410	1/2	60,973	1/2	47,535	1/2	34,334	1/2	20,986	1/2	7,551	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,131	3/4	60,693	3/4	47,255	3/4	34,063	3/4	20,706	3/4	7,272	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	73,851	11	60,413	11	46,975	11	33,791	11	20,426	11	6,992	11		11	11	11	11	11	11
1/4	73,571	1/4	60,133	1/4	46,695	1/4	33,519	1/4	20,146	1/4	6,713	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,291	1/2	59,853	1/2	46,415	1/2	33,247	1/2	19,866	1/2	6,435	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,011	3/4	59,573	3/4	46,135	3/4	32,976	3/4	19,586	3/4	6,157	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/01/2019 JS
CALCULATED: 10/01/2019 CL
PRINTED: 10/01/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

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



BARGE "CBC 1416"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4		1/4		1/4	170,958	1/4	161,498	1/4	149,496	1/4	137,494	1/4	125,491	1/4	113,489	1/4	101,487	1/4	89,485
1/2		1/2		1/2	170,937	1/2	161,248	1/2	149,246	1/2	137,244	1/2	125,241	1/2	113,239	1/2	101,237	1/2	89,235
3/4		3/4		3/4	170,916	3/4	160,998	3/4	148,996	3/4	136,994	3/4	124,991	3/4	112,989	3/4	100,987	3/4	88,985
1	1	1	1	1	170,854	1	160,748	1	148,746	1	136,744	1	124,741	1	112,739	1	100,737	1	88,735
1/4		1/4		1/4	170,791	1/4	160,498	1/4	148,496	1/4	136,493	1/4	124,491	1/4	112,489	1/4	100,487	1/4	88,485
1/2		1/2		1/2	170,729	1/2	160,248	1/2	148,246	1/2	136,243	1/2	124,241	1/2	112,239	1/2	100,237	1/2	88,235
3/4		3/4		3/4	170,666	3/4	159,998	3/4	147,996	3/4	135,993	3/4	123,991	3/4	111,989	3/4	99,987	3/4	87,985
2	2	2	2	2	170,562	2	159,748	2	147,746	2	135,743	2	123,741	2	111,739	2	99,737	2	87,735
1/4		1/4		1/4	170,458	1/4	159,498	1/4	147,495	1/4	135,493	1/4	123,491	1/4	111,489	1/4	99,487	1/4	87,485
1/2		1/2		1/2	170,354	1/2	159,248	1/2	147,245	1/2	135,243	1/2	123,241	1/2	111,239	1/2	99,237	1/2	87,235
3/4		3/4		3/4	170,250	3/4	158,998	3/4	146,995	3/4	134,993	3/4	122,991	3/4	110,989	3/4	98,987	3/4	86,985
3	3	3	3	3	170,104	3	158,748	3	146,745	3	134,743	3	122,741	3	110,739	3	98,737	3	86,734
1/4		1/4		1/4	169,958	1/4	158,497	1/4	146,495	1/4	134,493	1/4	122,491	1/4	110,489	1/4	98,487	1/4	86,484
1/2		1/2		1/2	169,812	1/2	158,247	1/2	146,245	1/2	134,243	1/2	122,241	1/2	110,239	1/2	98,237	1/2	86,234
3/4		3/4		3/4	169,666	3/4	157,997	3/4	145,995	3/4	133,993	3/4	121,991	3/4	109,989	3/4	97,987	3/4	85,984
4	4	4	4	4	169,479	4	157,747	4	145,745	4	133,743	4	121,741	4	109,739	4	97,736	4	85,734
1/4		1/4		1/4	169,291	1/4	157,497	1/4	145,495	1/4	133,493	1/4	121,491	1/4	109,489	1/4	97,486	1/4	85,484
1/2		1/2		1/2	169,104	1/2	157,247	1/2	145,245	1/2	133,243	1/2	121,241	1/2	109,239	1/2	97,236	1/2	85,234
3/4		3/4		3/4	168,916	3/4	156,997	3/4	144,995	3/4	132,993	3/4	120,991	3/4	108,988	3/4	96,986	3/4	84,984
5	5	5	5	5	168,687	5	156,747	5	144,745	5	132,743	5	120,741	5	108,738	5	96,736	5	84,734
1/4		1/4		1/4	168,458	1/4	156,497	1/4	144,495	1/4	132,493	1/4	120,491	1/4	108,488	1/4	96,486	1/4	84,484
1/2		1/2		1/2	168,228	1/2	156,247	1/2	144,245	1/2	132,243	1/2	120,241	1/2	108,238	1/2	96,236	1/2	84,234
3/4		3/4		3/4	167,999	3/4	155,997	3/4	143,995	3/4	131,993	3/4	119,990	3/4	107,988	3/4	95,986	3/4	83,984
6	6	6	6	6	167,749	6	155,747	6	143,745	6	131,743	6	119,740	6	107,738	6	95,736	6	83,734
1/4		1/4		1/4	167,499	1/4	155,497	1/4	143,495	1/4	131,493	1/4	119,490	1/4	107,488	1/4	95,486	1/4	83,484
1/2		1/2		1/2	167,249	1/2	155,247	1/2	143,245	1/2	131,243	1/2	119,240	1/2	107,238	1/2	95,236	1/2	83,234
3/4		3/4		3/4	166,999	3/4	154,997	3/4	142,995	3/4	130,992	3/4	118,990	3/4	106,988	3/4	94,986	3/4	82,984
7	7	7	7	7	166,749	7	154,747	7	142,745	7	130,742	7	118,740	7	106,738	7	94,736	7	82,734
1/4		1/4		1/4	166,499	1/4	154,497	1/4	142,495	1/4	130,492	1/4	118,490	1/4	106,488	1/4	94,486	1/4	82,484
1/2		1/2		1/2	166,249	1/2	154,247	1/2	142,245	1/2	130,242	1/2	118,240	1/2	106,238	1/2	94,236	1/2	82,234
3/4		3/4		3/4	165,999	3/4	153,997	3/4	141,994	3/4	129,992	3/4	117,990	3/4	105,988	3/4	93,986	3/4	81,984
8	8	8	8	8	165,749	8	153,747	8	141,744	8	129,742	8	117,740	8	105,738	8	93,736	8	81,734
1/4		1/4		1/4	165,499	1/4	153,497	1/4	141,494	1/4	129,492	1/4	117,490	1/4	105,488	1/4	93,486	1/4	81,484
1/2		1/2		1/2	165,249	1/2	153,247	1/2	141,244	1/2	129,242	1/2	117,240	1/2	105,238	1/2	93,236	1/2	81,233
3/4		3/4		3/4	164,999	3/4	152,996	3/4	140,994	3/4	128,992	3/4	116,990	3/4	104,988	3/4	92,986	3/4	80,983
9	9	9	9	9	164,749	9	152,746	9	140,744	9	128,742	9	116,740	9	104,738	9	92,736	9	80,733
1/4		1/4		1/4	164,499	1/4	152,496	1/4	140,494	1/4	128,492	1/4	116,490	1/4	104,488	1/4	92,486	1/4	80,483
1/2		1/2		1/2	164,249	1/2	152,246	1/2	140,244	1/2	128,242	1/2	116,240	1/2	104,238	1/2	92,235	1/2	80,233
3/4		3/4		3/4	163,998	3/4	151,996	3/4	139,994	3/4	127,992	3/4	115,990	3/4	103,988	3/4	91,985	3/4	79,983
10	10	10	10	10	163,748	10	151,746	10	139,744	10	127,742	10	115,740	10	103,738	10	91,735	10	79,733
1/4		1/4		1/4	163,498	1/4	151,496	1/4	139,494	1/4	127,492	1/4	115,490	1/4	103,488	1/4	91,485	1/4	79,483
1/2		1/2		1/2	163,248	1/2	151,246	1/2	139,244	1/2	127,242	1/2	115,240	1/2	103,237	1/2	91,235	1/2	79,233
3/4		3/4		3/4	162,998	3/4	150,996	3/4	138,994	3/4	126,992	3/4	114,990	3/4	102,987	3/4	90,985	3/4	78,983
11	11	11	11	11	162,748	11	150,746	11	138,744	11	126,742	11	114,740	11	102,737	11	90,735	11	78,733
1/4		1/4		1/4	162,498	1/4	150,496	1/4	138,494	1/4	126,492	1/4	114,489	1/4	102,487	1/4	90,485	1/4	78,483
1/2		1/2		1/2	162,248	1/2	150,246	1/2	138,244	1/2	126,242	1/2	114,239	1/2	102,237	1/2	90,235	1/2	78,233
3/4		3/4		3/4	161,998	3/4	149,996	3/4	137,994	3/4	125,992	3/4	113,989	3/4	101,987	3/4	89,985	3/4	77,983

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'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CBC 1416"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	77,483	1/4	65,481	1/4	53,478	1/4	41,476	1/4	29,496	1/4	17,498	1/4	5,503	1/4		1/4		1/4		1/4	
1/2	77,233	1/2	65,231	1/2	53,228	1/2	41,226	1/2	29,246	1/2	17,248	1/2	5,255	1/2		1/2		1/2		1/2	
3/4	76,983	3/4	64,981	3/4	52,978	3/4	40,976	3/4	28,997	3/4	16,998	3/4	5,006	3/4		3/4		3/4		3/4	
1	76,733	1	64,730	1	52,728	1	40,726	1	28,747	1	16,748	1	4,759	1	1	1	1	1	1	1	1
1/4	76,483	1/4	64,480	1/4	52,478	1/4	40,476	1/4	28,498	1/4	16,498	1/4	4,512	1/4		1/4		1/4		1/4	
1/2	76,233	1/2	64,230	1/2	52,228	1/2	40,226	1/2	28,248	1/2	16,248	1/2	4,265	1/2		1/2		1/2		1/2	
3/4	75,983	3/4	63,980	3/4	51,978	3/4	39,976	3/4	27,998	3/4	15,998	3/4	4,017	3/4		3/4		3/4		3/4	
2	75,732	2	63,730	2	51,728	2	39,726	2	27,749	2	15,748	2	3,772	2	2	2	2	2	2	2	2
1/4	75,482	1/4	63,480	1/4	51,478	1/4	39,476	1/4	27,499	1/4	15,498	1/4	3,527	1/4		1/4		1/4		1/4	
1/2	75,232	1/2	63,230	1/2	51,228	1/2	39,226	1/2	27,249	1/2	15,248	1/2	3,282	1/2		1/2		1/2		1/2	
3/4	74,982	3/4	62,980	3/4	50,978	3/4	38,976	3/4	27,000	3/4	14,998	3/4	3,037	3/4		3/4		3/4		3/4	
3	74,732	3	62,730	3	50,728	3	38,726	3	26,750	3	14,748	3	2,809	3	3	3	3	3	3	3	3
1/4	74,482	1/4	62,480	1/4	50,478	1/4	38,476	1/4	26,500	1/4	14,498	1/4	2,580	1/4		1/4		1/4		1/4	
1/2	74,232	1/2	62,230	1/2	50,228	1/2	38,226	1/2	26,250	1/2	14,248	1/2	2,352	1/2		1/2		1/2		1/2	
3/4	73,982	3/4	61,980	3/4	49,978	3/4	37,976	3/4	25,999	3/4	13,998	3/4	2,123	3/4		3/4		3/4		3/4	
4	73,732	4	61,730	4	49,728	4	37,726	4	25,749	4	13,748	4	1,936	4	4	4	4	4	4	4	4
1/4	73,482	1/4	61,480	1/4	49,478	1/4	37,476	1/4	25,499	1/4	13,498	1/4	1,748	1/4		1/4		1/4		1/4	
1/2	73,232	1/2	61,230	1/2	49,228	1/2	37,226	1/2	25,249	1/2	13,248	1/2	1,560	1/2		1/2		1/2		1/2	
3/4	72,982	3/4	60,980	3/4	48,978	3/4	36,975	3/4	24,999	3/4	12,998	3/4	1,373	3/4		3/4		3/4		3/4	
5	72,732	5	60,730	5	48,728	5	36,726	5	24,749	5	12,748	5	1,227	5	5	5	5	5	5	5	5
1/4	72,482	1/4	60,480	1/4	48,478	1/4	36,477	1/4	24,499	1/4	12,498	1/4	1,081	1/4		1/4		1/4		1/4	
1/2	72,232	1/2	60,230	1/2	48,227	1/2	36,227	1/2	24,249	1/2	12,248	1/2	935	1/2		1/2		1/2		1/2	
3/4	71,982	3/4	59,980	3/4	47,977	3/4	35,978	3/4	23,999	3/4	11,997	3/4	790	3/4		3/4		3/4		3/4	
6	71,732	6	59,730	6	47,727	6	35,729	6	23,749	6	11,747	6	685	6	6	6	6	6	6	6	6
1/4	71,482	1/4	59,480	1/4	47,477	1/4	35,480	1/4	23,499	1/4	11,497	1/4	581	1/4		1/4		1/4		1/4	
1/2	71,232	1/2	59,229	1/2	47,227	1/2	35,230	1/2	23,249	1/2	11,247	1/2	477	1/2		1/2		1/2		1/2	
3/4	70,982	3/4	58,979	3/4	46,977	3/4	34,981	3/4	22,999	3/4	10,997	3/4	373	3/4		3/4		3/4		3/4	
7	70,732	7	58,729	7	46,727	7	34,732	7	22,749	7	10,747	7	310	7	7	7	7	7	7	7	7
1/4	70,482	1/4	58,479	1/4	46,477	1/4	34,482	1/4	22,499	1/4	10,497	1/4	248	1/4		1/4		1/4		1/4	
1/2	70,231	1/2	58,229	1/2	46,227	1/2	34,233	1/2	22,249	1/2	10,247	1/2	185	1/2		1/2		1/2		1/2	
3/4	69,981	3/4	57,979	3/4	45,977	3/4	33,984	3/4	21,999	3/4	9,997	3/4	123	3/4		3/4		3/4		3/4	
8	69,731	8	57,729	8	45,727	8	33,734	8	21,749	8	9,747	8	102	8	8	8	8	8	8	8	8
1/4	69,481	1/4	57,479	1/4	45,477	1/4	33,485	1/4	21,499	1/4	9,497	1/4	81	1/4		1/4		1/4		1/4	
1/2	69,231	1/2	57,229	1/2	45,227	1/2	33,236	1/2	21,249	1/2	9,247	1/2	60	1/2		1/2		1/2		1/2	
3/4	68,981	3/4	56,979	3/4	44,977	3/4	32,986	3/4	20,999	3/4	8,997	3/4	40	3/4		3/4		3/4		3/4	
9	68,731	9	56,729	9	44,727	9	32,737	9	20,749	9	8,747	9	---	9	9	9	9	9	9	9	9
1/4	68,481	1/4	56,479	1/4	44,477	1/4	32,488	1/4	20,499	1/4	8,497	1/4		1/4		1/4		1/4		1/4	
1/2	68,231	1/2	56,229	1/2	44,227	1/2	32,238	1/2	20,249	1/2	8,247	1/2		1/2		1/2		1/2		1/2	
3/4	67,981	3/4	55,979	3/4	43,977	3/4	31,989	3/4	19,999	3/4	7,997	3/4		3/4		3/4		3/4		3/4	
10	67,731	10	55,729	10	43,727	10	31,740	10	19,749	10	7,747	10	---	10	10	10	10	10	10	10	10
1/4	67,481	1/4	55,479	1/4	43,477	1/4	31,490	1/4	19,499	1/4	7,497	1/4		1/4		1/4		1/4		1/4	
1/2	67,231	1/2	55,229	1/2	43,227	1/2	31,241	1/2	19,249	1/2	7,248	1/2		1/2		1/2		1/2		1/2	
3/4	66,981	3/4	54,979	3/4	42,977	3/4	30,992	3/4	18,998	3/4	6,998	3/4		3/4		3/4		3/4		3/4	
11	66,731	11	54,729	11	42,726	11	30,742	11	18,748	11	6,748	11	---	11	11	11	11	11	11	11	11
1/4	66,481	1/4	54,479	1/4	42,476	1/4	30,493	1/4	18,498	1/4	6,499	1/4		1/4		1/4		1/4		1/4	
1/2	66,231	1/2	54,229	1/2	42,226	1/2	30,244	1/2	18,248	1/2	6,250	1/2		1/2		1/2		1/2		1/2	
3/4	65,981	3/4	53,979	3/4	41,976	3/4	29,994	3/4	17,998	3/4	6,000	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/01/2019 JS
CALCULATED: 10/01/2019 CL
PRINTED: 10/01/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT
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