



BARGE "CBC 1414"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>										
1 CENTER	00-3/8	- 00-3/8	00-3/4	- 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"

July 23, 2019

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1414"

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	8,702	0	20,310	0	31,735	0	43,200	0	54,780	0	66,359	0	77,916	0	89,474	0	101,059
1/4	60	1/4	8,944	1/4	20,552	1/4	31,969	1/4	43,441	1/4	55,021	1/4	66,601	1/4	78,156	1/4	89,716	1/4	101,300
1/2	80	1/2	9,186	1/2	20,794	1/2	32,203	1/2	43,682	1/2	55,262	1/2	66,842	1/2	78,396	1/2	89,957	1/2	101,541
3/4	100	3/4	9,428	3/4	21,036	3/4	32,437	3/4	43,924	3/4	55,503	3/4	67,083	3/4	78,636	3/4	90,198	3/4	101,783
1	120	1	9,670	1	21,277	1	32,671	1	44,165	1	55,745	1	67,324	1	78,876	1	90,440	1	102,024
1/4	180	1/4	9,912	1/4	21,519	1/4	32,905	1/4	44,406	1/4	55,986	1/4	67,566	1/4	79,116	1/4	90,681	1/4	102,265
1/2	241	1/2	10,153	1/2	21,761	1/2	33,139	1/2	44,647	1/2	56,227	1/2	67,807	1/2	79,355	1/2	90,922	1/2	102,507
3/4	301	3/4	10,395	3/4	22,003	3/4	33,373	3/4	44,889	3/4	56,468	3/4	68,048	3/4	79,595	3/4	91,164	3/4	102,748
2	362	2	10,637	2	22,245	2	33,608	2	45,130	2	56,710	2	68,289	2	79,835	2	91,405	2	102,989
1/4	463	1/4	10,879	1/4	22,487	1/4	33,842	1/4	45,371	1/4	56,951	1/4	68,531	1/4	80,075	1/4	91,647	1/4	103,231
1/2	563	1/2	11,121	1/2	22,728	1/2	34,076	1/2	45,612	1/2	57,192	1/2	68,772	1/2	80,315	1/2	91,888	1/2	103,472
3/4	664	3/4	11,363	3/4	22,970	3/4	34,310	3/4	45,854	3/4	57,433	3/4	69,013	3/4	80,555	3/4	92,129	3/4	103,713
3	765	3	11,604	3	23,212	3	34,544	3	46,095	3	57,675	3	69,254	3	80,795	3	92,371	3	103,955
1/4	906	1/4	11,846	1/4	23,454	1/4	34,778	1/4	46,336	1/4	57,916	1/4	69,496	1/4	81,035	1/4	92,612	1/4	104,196
1/2	1,047	1/2	12,088	1/2	23,696	1/2	35,012	1/2	46,577	1/2	58,157	1/2	69,737	1/2	81,275	1/2	92,853	1/2	104,437
3/4	1,188	3/4	12,330	3/4	23,938	3/4	35,246	3/4	46,819	3/4	58,398	3/4	69,978	3/4	81,514	3/4	93,095	3/4	104,679
4	1,329	4	12,572	4	24,179	4	35,480	4	47,060	4	58,640	4	70,219	4	81,754	4	93,336	4	104,920
1/4	1,510	1/4	12,814	1/4	24,421	1/4	35,721	1/4	47,301	1/4	58,881	1/4	70,461	1/4	81,995	1/4	93,577	1/4	105,161
1/2	1,692	1/2	13,055	1/2	24,663	1/2	35,963	1/2	47,542	1/2	59,122	1/2	70,702	1/2	82,236	1/2	93,819	1/2	105,403
3/4	1,873	3/4	13,297	3/4	24,905	3/4	36,204	3/4	47,784	3/4	59,363	3/4	70,943	3/4	82,476	3/4	94,060	3/4	105,644
5	2,054	5	13,539	5	25,147	5	36,445	5	48,025	5	59,605	5	71,184	5	82,717	5	94,301	5	105,885
1/4	2,275	1/4	13,781	1/4	25,389	1/4	36,686	1/4	48,266	1/4	59,846	1/4	71,426	1/4	82,958	1/4	94,543	1/4	106,127
1/2	2,496	1/2	14,023	1/2	25,630	1/2	36,928	1/2	48,507	1/2	60,087	1/2	71,667	1/2	83,199	1/2	94,784	1/2	106,368
3/4	2,717	3/4	14,264	3/4	25,872	3/4	37,169	3/4	48,749	3/4	60,328	3/4	71,908	3/4	83,441	3/4	95,025	3/4	106,609
6	2,938	6	14,506	6	26,114	6	37,410	6	48,990	6	60,570	6	72,149	6	83,682	6	95,267	6	106,851
1/4	3,175	1/4	14,748	1/4	26,348	1/4	37,651	1/4	49,231	1/4	60,811	1/4	72,390	1/4	83,923	1/4	95,508	1/4	107,092
1/2	3,412	1/2	14,990	1/2	26,583	1/2	37,893	1/2	49,472	1/2	61,052	1/2	72,631	1/2	84,165	1/2	95,749	1/2	107,334
3/4	3,649	3/4	15,232	3/4	26,817	3/4	38,134	3/4	49,714	3/4	61,293	3/4	72,871	3/4	84,406	3/4	95,991	3/4	107,575
7	3,886	7	15,474	7	27,052	7	38,375	7	49,955	7	61,535	7	73,112	7	84,648	7	96,232	7	107,816
1/4	4,125	1/4	15,715	1/4	27,286	1/4	38,616	1/4	50,196	1/4	61,776	1/4	73,353	1/4	84,889	1/4	96,473	1/4	108,058
1/2	4,365	1/2	15,957	1/2	27,521	1/2	38,858	1/2	50,437	1/2	62,017	1/2	73,593	1/2	85,130	1/2	96,715	1/2	108,299
3/4	4,604	3/4	16,199	3/4	27,755	3/4	39,099	3/4	50,679	3/4	62,258	3/4	73,834	3/4	85,372	3/4	96,956	3/4	108,540
8	4,843	8	16,441	8	27,990	8	39,340	8	50,920	8	62,500	8	74,075	8	85,613	8	97,197	8	108,782
1/4	5,083	1/4	16,683	1/4	28,224	1/4	39,581	1/4	51,161	1/4	62,741	1/4	74,315	1/4	85,854	1/4	97,439	1/4	109,023
1/2	5,324	1/2	16,925	1/2	28,458	1/2	39,823	1/2	51,402	1/2	62,982	1/2	74,556	1/2	86,096	1/2	97,680	1/2	109,264
3/4	5,564	3/4	17,166	3/4	28,692	3/4	40,064	3/4	51,644	3/4	63,223	3/4	74,797	3/4	86,337	3/4	97,921	3/4	109,506
9	5,804	9	17,408	9	28,926	9	40,305	9	51,885	9	63,465	9	75,037	9	86,578	9	98,163	9	109,747
1/4	6,045	1/4	17,650	1/4	29,160	1/4	40,546	1/4	52,126	1/4	63,706	1/4	75,277	1/4	86,820	1/4	98,404	1/4	109,988
1/2	6,287	1/2	17,892	1/2	29,394	1/2	40,788	1/2	52,367	1/2	63,947	1/2	75,517	1/2	87,061	1/2	98,645	1/2	110,230
3/4	6,528	3/4	18,134	3/4	29,628	3/4	41,029	3/4	52,609	3/4	64,188	3/4	75,757	3/4	87,302	3/4	98,887	3/4	110,471
10	6,769	10	18,376	10	29,862	10	41,270	10	52,850	10	64,430	10	75,997	10	87,544	10	99,128	10	110,712
1/4	7,010	1/4	18,617	1/4	30,096	1/4	41,511	1/4	53,091	1/4	64,671	1/4	76,237	1/4	87,785	1/4	99,369	1/4	110,954
1/2	7,252	1/2	18,859	1/2	30,330	1/2	41,752	1/2	53,332	1/2	64,912	1/2	76,477	1/2	88,026	1/2	99,611	1/2	111,195
3/4	7,494	3/4	19,101	3/4	30,565	3/4	41,994	3/4	53,573	3/4	65,153	3/4	76,717	3/4	88,268	3/4	99,852	3/4	111,436
11	7,735	11	19,343	11	30,799	11	42,235	11	53,815	11	65,395	11	76,956	11	88,509	11	100,093	11	111,678
1/4	7,977	1/4	19,585	1/4	31,033	1/4	42,476	1/4	54,056	1/4	65,636	1/4	77,196	1/4	88,750	1/4	100,335	1/4	111,919
1/2	8,219	1/2	19,827	1/2	31,267	1/2	42,717	1/2	54,297	1/2	65,877	1/2	77,436	1/2	88,992	1/2	100,576	1/2	112,160
3/4	8,461	3/4	20,068	3/4	31,501	3/4	42,959	3/4	54,538	3/4	66,118	3/4	77,676	3/4	89,233	3/4	100,817	3/4	112,402

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
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1414"

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	112,643	0	122,177	0	130,295	0	138,414	0	146,533	0		0		0		0		0	
1/4	112,884	1/4	122,346	1/4	130,465	1/4	138,583	1/4	146,702	1/4		1/4		1/4		1/4		1/4	
1/2	113,125	1/2	122,515	1/2	130,634	1/2	138,752	1/2	146,871	1/2		1/2		1/2		1/2		1/2	
3/4	113,365	3/4	122,684	3/4	130,803	3/4	138,922	3/4	147,040	3/4		3/4		3/4		3/4		3/4	
1	113,606	1	122,853	1	130,972	1	139,091	1	147,209	1		1		1		1		1	
1/4	113,847	1/4	123,022	1/4	131,141	1/4	139,260	1/4	147,379	1/4		1/4		1/4		1/4		1/4	
1/2	114,088	1/2	123,191	1/2	131,310	1/2	139,429	1/2	147,548	1/2		1/2		1/2		1/2		1/2	
3/4	114,328	3/4	123,361	3/4	131,479	3/4	139,598	3/4	147,717	3/4		3/4		3/4		3/4		3/4	
2	114,569	2	123,530	2	131,649	2	139,767	2	147,886	2		2		2		2		2	
1/4	114,810	1/4	123,699	1/4	131,818	1/4	139,936	1/4	148,055	1/4		1/4		1/4		1/4		1/4	
1/2	115,051	1/2	123,868	1/2	131,987	1/2	140,106	1/2	148,224	1/2		1/2		1/2		1/2		1/2	
3/4	115,292	3/4	124,037	3/4	132,156	3/4	140,275	3/4	148,393	3/4		3/4		3/4		3/4		3/4	
3	115,532	3	124,206	3	132,325	3	140,444	3	148,563	3		3		3		3		3	
1/4	115,773	1/4	124,375	1/4	132,494	1/4	140,613	1/4	148,732	1/4		1/4		1/4		1/4		1/4	
1/2	116,014	1/2	124,545	1/2	132,663	1/2	140,782	1/2	149,006	1/2		1/2		1/2		1/2		1/2	
3/4	116,255	3/4	124,714	3/4	132,832	3/4	140,951	3/4	149,228	3/4		3/4		3/4		3/4		3/4	
4	116,495	4	124,883	4	133,002	4	141,120	4	149,449	4		4		4		4		4	
1/4	116,736	1/4	125,052	1/4	133,171	1/4	141,290	1/4	149,631	1/4		1/4		1/4		1/4		1/4	
1/2	116,977	1/2	125,221	1/2	133,340	1/2	141,459	1/2	149,812	1/2		1/2		1/2		1/2		1/2	
3/4	117,218	3/4	125,390	3/4	133,509	3/4	141,628	3/4	149,993	3/4		3/4		3/4		3/4		3/4	
5	117,459	5	125,559	5	133,678	5	141,797	5	150,175	5		5		5		5		5	
1/4	117,627	1/4	125,729	1/4	133,847	1/4	141,966	1/4	150,316	1/4		1/4		1/4		1/4		1/4	
1/2	117,795	1/2	125,898	1/2	134,016	1/2	142,135	1/2	150,457	1/2		1/2		1/2		1/2		1/2	
3/4	117,963	3/4	126,067	3/4	134,186	3/4	142,304	3/4	150,598	3/4		3/4		3/4		3/4		3/4	
6	118,131	6	126,236	6	134,355	6	142,474	6	150,739	6		6		6		6		6	
1/4	118,299	1/4	126,405	1/4	134,524	1/4	142,643	1/4	150,840	1/4		1/4		1/4		1/4		1/4	
1/2	118,468	1/2	126,574	1/2	134,693	1/2	142,812	1/2	150,941	1/2		1/2		1/2		1/2		1/2	
3/4	118,637	3/4	126,743	3/4	134,862	3/4	142,981	3/4	151,041	3/4		3/4		3/4		3/4		3/4	
7	118,805	7	126,913	7	135,031	7	143,150	7	151,142	7		7		7		7		7	
1/4	118,974	1/4	127,082	1/4	135,200	1/4	143,319	1/4	151,203	1/4		1/4		1/4		1/4		1/4	
1/2	119,142	1/2	127,251	1/2	135,370	1/2	143,488	1/2	151,263	1/2		1/2		1/2		1/2		1/2	
3/4	119,311	3/4	127,420	3/4	135,539	3/4	143,657	3/4	151,324	3/4		3/4		3/4		3/4		3/4	
8	119,479	8	127,589	8	135,708	8	143,827	8	151,384	8		8		8		8		8	
1/4	119,648	1/4	127,758	1/4	135,877	1/4	143,996	1/4	151,404	1/4		1/4		1/4		1/4		1/4	
1/2	119,817	1/2	127,927	1/2	136,046	1/2	144,165	1/2	151,424	1/2		1/2		1/2		1/2		1/2	
3/4	119,985	3/4	128,097	3/4	136,215	3/4	144,334	3/4		3/4		3/4		3/4		3/4		3/4	
9	120,154	9	128,266	9	136,384	9	144,503	9		9		9		9		9		9	
1/4	120,322	1/4	128,435	1/4	136,554	1/4	144,672	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120,491	1/2	128,604	1/2	136,723	1/2	144,841	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,659	3/4	128,773	3/4	136,892	3/4	145,011	3/4		3/4		3/4		3/4		3/4		3/4	
10	120,828	10	128,942	10	137,061	10	145,180	10		10		10		10		10		10	
1/4	120,997	1/4	129,111	1/4	137,230	1/4	145,349	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,165	1/2	129,281	1/2	137,399	1/2	145,518	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	121,334	3/4	129,450	3/4	137,568	3/4	145,687	3/4		3/4		3/4		3/4		3/4		3/4	
11	121,502	11	129,619	11	137,738	11	145,856	11		11		11		11		11		11	
1/4	121,671	1/4	129,788	1/4	137,907	1/4	146,025	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,839	1/2	129,957	1/2	138,076	1/2	146,195	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	122,008	3/4	130,126	3/4	138,245	3/4	146,364	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "CBC 1414"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	10,071	0	23,511	0	36,789	0	50,067	0	63,508	0	76,948	0	90,389	0	103,830	0	117,271
1/4	63	1/4	10,351	1/4	23,791	1/4	37,061	1/4	50,347	1/4	63,788	1/4	77,228	1/4	90,669	1/4	104,110	1/4	117,551
1/2	86	1/2	10,631	1/2	24,071	1/2	37,332	1/2	50,627	1/2	64,068	1/2	77,508	1/2	90,949	1/2	104,390	1/2	117,831
3/4	109	3/4	10,911	3/4	24,351	3/4	37,604	3/4	50,907	3/4	64,348	3/4	77,789	3/4	91,229	3/4	104,670	3/4	118,111
1	133	1	11,191	1	24,631	1	37,876	1	51,187	1	64,628	1	78,069	1	91,509	1	104,950	1	118,391
1/4	203	1/4	11,471	1/4	24,911	1/4	38,148	1/4	51,467	1/4	64,908	1/4	78,349	1/4	91,789	1/4	105,230	1/4	118,671
1/2	273	1/2	11,751	1/2	25,191	1/2	38,420	1/2	51,747	1/2	65,188	1/2	78,629	1/2	92,069	1/2	105,510	1/2	118,951
3/4	343	3/4	12,031	3/4	25,471	3/4	38,691	3/4	52,027	3/4	65,468	3/4	78,909	3/4	92,349	3/4	105,790	3/4	119,231
2	413	2	12,311	2	25,751	2	38,963	2	52,307	2	65,748	2	79,189	2	92,629	2	106,070	2	119,511
1/4	529	1/4	12,591	1/4	26,031	1/4	39,235	1/4	52,587	1/4	66,028	1/4	79,469	1/4	92,910	1/4	106,350	1/4	119,791
1/2	646	1/2	12,871	1/2	26,311	1/2	39,507	1/2	52,867	1/2	66,308	1/2	79,749	1/2	93,190	1/2	106,630	1/2	120,071
3/4	763	3/4	13,151	3/4	26,591	3/4	39,779	3/4	53,147	3/4	66,588	3/4	80,029	3/4	93,470	3/4	106,910	3/4	120,351
3	879	3	13,431	3	26,871	3	40,050	3	53,427	3	66,868	3	80,309	3	93,750	3	107,190	3	120,631
1/4	1,043	1/4	13,711	1/4	27,151	1/4	40,322	1/4	53,707	1/4	67,148	1/4	80,589	1/4	94,030	1/4	107,470	1/4	120,911
1/2	1,206	1/2	13,991	1/2	27,431	1/2	40,594	1/2	53,987	1/2	67,428	1/2	80,869	1/2	94,310	1/2	107,750	1/2	121,191
3/4	1,369	3/4	14,271	3/4	27,711	3/4	40,866	3/4	54,267	3/4	67,708	3/4	81,149	3/4	94,590	3/4	108,031	3/4	121,471
4	1,533	4	14,551	4	27,991	4	41,138	4	54,547	4	67,988	4	81,429	4	94,870	4	108,311	4	121,751
1/4	1,743	1/4	14,831	1/4	28,271	1/4	41,410	1/4	54,827	1/4	68,268	1/4	81,709	1/4	95,150	1/4	108,591	1/4	122,031
1/2	1,953	1/2	15,111	1/2	28,551	1/2	41,682	1/2	55,107	1/2	68,548	1/2	81,989	1/2	95,430	1/2	108,871	1/2	122,311
3/4	2,163	3/4	15,391	3/4	28,831	3/4	41,954	3/4	55,387	3/4	68,828	3/4	82,269	3/4	95,710	3/4	109,151	3/4	122,591
5	2,373	5	15,671	5	29,111	5	42,226	5	55,667	5	69,108	5	82,549	5	95,990	5	109,431	5	122,872
1/4	2,629	1/4	15,951	1/4	29,391	1/4	42,506	1/4	55,947	1/4	69,388	1/4	82,829	1/4	96,270	1/4	109,711	1/4	123,152
1/2	2,885	1/2	16,231	1/2	29,671	1/2	42,786	1/2	56,227	1/2	69,668	1/2	83,109	1/2	96,550	1/2	109,991	1/2	123,432
3/4	3,141	3/4	16,511	3/4	29,951	3/4	43,066	3/4	56,507	3/4	69,948	3/4	83,389	3/4	96,830	3/4	110,271	3/4	123,712
6	3,396	6	16,791	6	30,231	6	43,346	6	56,787	6	70,228	6	83,669	6	97,110	6	110,551	6	123,992
1/4	3,671	1/4	17,071	1/4	30,511	1/4	43,626	1/4	57,067	1/4	70,508	1/4	83,949	1/4	97,390	1/4	110,831	1/4	124,272
1/2	3,945	1/2	17,351	1/2	30,791	1/2	43,906	1/2	57,347	1/2	70,788	1/2	84,229	1/2	97,670	1/2	111,111	1/2	124,552
3/4	4,220	3/4	17,631	3/4	31,071	3/4	44,186	3/4	57,627	3/4	71,068	3/4	84,509	3/4	97,950	3/4	111,391	3/4	124,832
7	4,494	7	17,911	7	31,351	7	44,466	7	57,907	7	71,348	7	84,789	7	98,230	7	111,671	7	125,112
1/4	4,771	1/4	18,191	1/4	31,624	1/4	44,746	1/4	58,187	1/4	71,628	1/4	85,069	1/4	98,510	1/4	111,951	1/4	125,392
1/2	5,048	1/2	18,471	1/2	31,896	1/2	45,026	1/2	58,467	1/2	71,908	1/2	85,349	1/2	98,790	1/2	112,231	1/2	125,672
3/4	5,325	3/4	18,751	3/4	32,168	3/4	45,306	3/4	58,747	3/4	72,188	3/4	85,629	3/4	99,070	3/4	112,511	3/4	125,952
8	5,602	8	19,031	8	32,440	8	45,586	8	59,027	8	72,468	8	85,909	8	99,350	8	112,791	8	126,232
1/4	5,880	1/4	19,311	1/4	32,712	1/4	45,866	1/4	59,307	1/4	72,748	1/4	86,189	1/4	99,630	1/4	113,071	1/4	126,512
1/2	6,158	1/2	19,591	1/2	32,984	1/2	46,146	1/2	59,587	1/2	73,028	1/2	86,469	1/2	99,910	1/2	113,351	1/2	126,792
3/4	6,437	3/4	19,871	3/4	33,255	3/4	46,426	3/4	59,867	3/4	73,308	3/4	86,749	3/4	100,190	3/4	113,631	3/4	127,072
9	6,715	9	20,151	9	33,527	9	46,706	9	60,147	9	73,588	9	87,029	9	100,470	9	113,911	9	127,352
1/4	6,994	1/4	20,431	1/4	33,799	1/4	46,986	1/4	60,427	1/4	73,868	1/4	87,309	1/4	100,750	1/4	114,191	1/4	127,632
1/2	7,273	1/2	20,711	1/2	34,071	1/2	47,266	1/2	60,707	1/2	74,148	1/2	87,589	1/2	101,030	1/2	114,471	1/2	127,912
3/4	7,553	3/4	20,991	3/4	34,343	3/4	47,547	3/4	60,987	3/4	74,428	3/4	87,869	3/4	101,310	3/4	114,751	3/4	128,192
10	7,832	10	21,271	10	34,614	10	47,827	10	61,267	10	74,708	10	88,149	10	101,590	10	115,031	10	128,472
1/4	8,112	1/4	21,551	1/4	34,886	1/4	48,107	1/4	61,547	1/4	74,988	1/4	88,429	1/4	101,870	1/4	115,311	1/4	128,752
1/2	8,391	1/2	21,831	1/2	35,158	1/2	48,387	1/2	61,827	1/2	75,268	1/2	88,709	1/2	102,150	1/2	115,591	1/2	129,032
3/4	8,671	3/4	22,111	3/4	35,430	3/4	48,667	3/4	62,107	3/4	75,548	3/4	88,989	3/4	102,430	3/4	115,871	3/4	129,312
11	8,951	11	22,391	11	35,702	11	48,947	11	62,387	11	75,828	11	89,269	11	102,710	11	116,151	11	129,592
1/4	9,231	1/4	22,671	1/4	35,973	1/4	49,227	1/4	62,668	1/4	76,108	1/4	89,549	1/4	102,990	1/4	116,431	1/4	129,872
1/2	9,511	1/2	22,951	1/2	36,245	1/2	49,507	1/2	62,948	1/2	76,388	1/2	89,829	1/2	103,270	1/2	116,711	1/2	130,152
3/4	9,791	3/4	23,231	3/4	36,517	3/4	49,787	3/4	63,228	3/4	76,668	3/4	90,109	3/4	103,550	3/4	116,991	3/4	130,432

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CBC 1414"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	130,712	0	144,153	0	157,594	0	171,035	0	184,476	0		0		0		0		0	
1/4	130,992	1/4	144,433	1/4	157,874	1/4	171,315	1/4	184,756	1/4		1/4		1/4		1/4		1/4	
1/2	131,272	1/2	144,713	1/2	158,154	1/2	171,595	1/2	185,036	1/2		1/2		1/2		1/2		1/2	
3/4	131,552	3/4	144,993	3/4	158,434	3/4	171,875	3/4	185,316	3/4		3/4		3/4		3/4		3/4	
1	131,832	1	145,273	1	158,714	1	172,155	1	185,596	1		1		1		1		1	
1/4	132,112	1/4	145,553	1/4	158,994	1/4	172,435	1/4	185,876	1/4		1/4		1/4		1/4		1/4	
1/2	132,392	1/2	145,833	1/2	159,274	1/2	172,715	1/2	186,156	1/2		1/2		1/2		1/2		1/2	
3/4	132,672	3/4	146,113	3/4	159,554	3/4	172,995	3/4	186,436	3/4		3/4		3/4		3/4		3/4	
2	132,952	2	146,393	2	159,834	2	173,275	2	186,716	2		2		2		2		2	
1/4	133,232	1/4	146,673	1/4	160,114	1/4	173,555	1/4	186,996	1/4		1/4		1/4		1/4		1/4	
1/2	133,512	1/2	146,953	1/2	160,394	1/2	173,835	1/2	187,276	1/2		1/2		1/2		1/2		1/2	
3/4	133,792	3/4	147,233	3/4	160,674	3/4	174,115	3/4	187,556	3/4		3/4		3/4		3/4		3/4	
3	134,072	3	147,513	3	160,954	3	174,395	3	187,836	3		3		3		3		3	
1/4	134,352	1/4	147,793	1/4	161,234	1/4	174,675	1/4	188,092	1/4		1/4		1/4		1/4		1/4	
1/2	134,632	1/2	148,073	1/2	161,514	1/2	174,955	1/2	188,349	1/2		1/2		1/2		1/2		1/2	
3/4	134,912	3/4	148,353	3/4	161,794	3/4	175,235	3/4	188,606	3/4		3/4		3/4		3/4		3/4	
4	135,192	4	148,633	4	162,074	4	175,515	4	188,863	4		4		4		4		4	
1/4	135,472	1/4	148,913	1/4	162,354	1/4	175,795	1/4	189,073	1/4		1/4		1/4		1/4		1/4	
1/2	135,752	1/2	149,193	1/2	162,634	1/2	176,075	1/2	189,283	1/2		1/2		1/2		1/2		1/2	
3/4	136,032	3/4	149,473	3/4	162,914	3/4	176,355	3/4	189,493	3/4		3/4		3/4		3/4		3/4	
5	136,312	5	149,753	5	163,194	5	176,635	5	189,703	5		5		5		5		5	
1/4	136,592	1/4	150,033	1/4	163,474	1/4	176,915	1/4	189,866	1/4		1/4		1/4		1/4		1/4	
1/2	136,872	1/2	150,313	1/2	163,754	1/2	177,195	1/2	190,029	1/2		1/2		1/2		1/2		1/2	
3/4	137,152	3/4	150,593	3/4	164,034	3/4	177,475	3/4	190,193	3/4		3/4		3/4		3/4		3/4	
6	137,432	6	150,873	6	164,314	6	177,755	6	190,356	6		6		6		6		6	
1/4	137,712	1/4	151,153	1/4	164,594	1/4	178,035	1/4	190,473	1/4		1/4		1/4		1/4		1/4	
1/2	137,993	1/2	151,433	1/2	164,874	1/2	178,315	1/2	190,589	1/2		1/2		1/2		1/2		1/2	
3/4	138,273	3/4	151,713	3/4	165,154	3/4	178,595	3/4	190,706	3/4		3/4		3/4		3/4		3/4	
7	138,553	7	151,993	7	165,434	7	178,875	7	190,823	7		7		7		7		7	
1/4	138,833	1/4	152,273	1/4	165,714	1/4	179,155	1/4	190,893	1/4		1/4		1/4		1/4		1/4	
1/2	139,113	1/2	152,553	1/2	165,994	1/2	179,435	1/2	190,963	1/2		1/2		1/2		1/2		1/2	
3/4	139,393	3/4	152,833	3/4	166,274	3/4	179,715	3/4	191,033	3/4		3/4		3/4		3/4		3/4	
8	139,673	8	153,114	8	166,554	8	179,995	8	191,103	8		8		8		8		8	
1/4	139,953	1/4	153,394	1/4	166,834	1/4	180,275	1/4	191,126	1/4		1/4		1/4		1/4		1/4	
1/2	140,233	1/2	153,674	1/2	167,114	1/2	180,555	1/2	191,149	1/2		1/2		1/2		1/2		1/2	
3/4	140,513	3/4	153,954	3/4	167,394	3/4	180,835	3/4		3/4		3/4		3/4		3/4		3/4	
9	140,793	9	154,234	9	167,674	9	181,115	9		9		9		9		9		9	
1/4	141,073	1/4	154,514	1/4	167,954	1/4	181,395	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	141,353	1/2	154,794	1/2	168,235	1/2	181,675	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	141,633	3/4	155,074	3/4	168,515	3/4	181,955	3/4		3/4		3/4		3/4		3/4		3/4	
10	141,913	10	155,354	10	168,795	10	182,235	10		10		10		10		10		10	
1/4	142,193	1/4	155,634	1/4	169,075	1/4	182,515	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	142,473	1/2	155,914	1/2	169,355	1/2	182,795	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	142,753	3/4	156,194	3/4	169,635	3/4	183,076	3/4		3/4		3/4		3/4		3/4		3/4	
11	143,033	11	156,474	11	169,915	11	183,356	11		11		11		11		11		11	
1/4	143,313	1/4	156,754	1/4	170,195	1/4	183,636	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	143,593	1/2	157,034	1/2	170,475	1/2	183,916	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	143,873	3/4	157,314	3/4	170,755	3/4	184,196	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "CBC 1414"

3 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	8,979	0	20,957	0	32,921	0	44,887	0	56,866	0	68,844	0	80,822	0	92,800	0	104,779
1/4	60	1/4	9,229	1/4	21,206	1/4	33,169	1/4	45,137	1/4	57,115	1/4	69,093	1/4	81,072	1/4	93,050	1/4	105,028
1/2	81	1/2	9,478	1/2	21,456	1/2	33,418	1/2	45,386	1/2	57,365	1/2	69,343	1/2	81,321	1/2	93,300	1/2	105,278
3/4	102	3/4	9,728	3/4	21,706	3/4	33,667	3/4	45,636	3/4	57,614	3/4	69,593	3/4	81,571	3/4	93,549	3/4	105,527
1	123	1	9,977	1	21,955	1	33,916	1	45,886	1	57,864	1	69,842	1	81,820	1	93,799	1	105,777
1/4	185	1/4	10,227	1/4	22,205	1/4	34,165	1/4	46,135	1/4	58,113	1/4	70,092	1/4	82,070	1/4	94,048	1/4	106,026
1/2	247	1/2	10,476	1/2	22,454	1/2	34,414	1/2	46,385	1/2	58,363	1/2	70,341	1/2	82,319	1/2	94,298	1/2	106,276
3/4	310	3/4	10,726	3/4	22,704	3/4	34,662	3/4	46,634	3/4	58,612	3/4	70,591	3/4	82,569	3/4	94,547	3/4	106,526
2	372	2	10,975	2	22,953	2	34,911	2	46,884	2	58,862	2	70,840	2	82,819	2	94,797	2	106,775
1/4	476	1/4	11,225	1/4	23,203	1/4	35,160	1/4	47,133	1/4	59,112	1/4	71,090	1/4	83,068	1/4	95,046	1/4	107,025
1/2	580	1/2	11,474	1/2	23,452	1/2	35,409	1/2	47,383	1/2	59,361	1/2	71,339	1/2	83,318	1/2	95,296	1/2	107,274
3/4	684	3/4	11,724	3/4	23,702	3/4	35,658	3/4	47,632	3/4	59,611	3/4	71,589	3/4	83,567	3/4	95,545	3/4	107,524
3	788	3	11,974	3	23,951	3	35,907	3	47,882	3	59,860	3	71,838	3	83,817	3	95,795	3	107,773
1/4	934	1/4	12,223	1/4	24,201	1/4	36,155	1/4	48,131	1/4	60,110	1/4	72,088	1/4	84,066	1/4	96,045	1/4	108,023
1/2	1,079	1/2	12,473	1/2	24,450	1/2	36,404	1/2	48,381	1/2	60,359	1/2	72,338	1/2	84,316	1/2	96,294	1/2	108,272
3/4	1,225	3/4	12,722	3/4	24,700	3/4	36,653	3/4	48,631	3/4	60,609	3/4	72,587	3/4	84,565	3/4	96,544	3/4	108,522
4	1,370	4	12,972	4	24,950	4	36,902	4	48,880	4	60,858	4	72,837	4	84,815	4	96,793	4	108,771
1/4	1,557	1/4	13,221	1/4	25,199	1/4	37,151	1/4	49,130	1/4	61,108	1/4	73,086	1/4	85,064	1/4	97,043	1/4	109,021
1/2	1,744	1/2	13,471	1/2	25,449	1/2	37,401	1/2	49,379	1/2	61,357	1/2	73,336	1/2	85,314	1/2	97,292	1/2	109,271
3/4	1,932	3/4	13,720	3/4	25,698	3/4	37,650	3/4	49,629	3/4	61,607	3/4	73,585	3/4	85,564	3/4	97,542	3/4	109,520
5	2,119	5	13,970	5	25,948	5	37,900	5	49,878	5	61,857	5	73,835	5	85,813	5	97,791	5	109,770
1/4	2,347	1/4	14,219	1/4	26,197	1/4	38,150	1/4	50,128	1/4	62,106	1/4	74,084	1/4	86,063	1/4	98,041	1/4	110,019
1/2	2,575	1/2	14,469	1/2	26,447	1/2	38,399	1/2	50,377	1/2	62,356	1/2	74,334	1/2	86,312	1/2	98,290	1/2	110,269
3/4	2,803	3/4	14,718	3/4	26,696	3/4	38,649	3/4	50,627	3/4	62,605	3/4	74,583	3/4	86,562	3/4	98,540	3/4	110,518
6	3,031	6	14,968	6	26,946	6	38,898	6	50,876	6	62,855	6	74,833	6	86,811	6	98,790	6	110,768
1/4	3,276	1/4	15,218	1/4	27,195	1/4	39,148	1/4	51,126	1/4	63,104	1/4	75,083	1/4	87,061	1/4	99,039	1/4	111,017
1/2	3,520	1/2	15,467	1/2	27,444	1/2	39,397	1/2	51,376	1/2	63,354	1/2	75,332	1/2	87,310	1/2	99,289	1/2	111,267
3/4	3,765	3/4	15,717	3/4	27,693	3/4	39,647	3/4	51,625	3/4	63,603	3/4	75,582	3/4	87,560	3/4	99,538	3/4	111,517
7	4,009	7	15,966	7	27,943	7	39,896	7	51,875	7	63,853	7	75,831	7	87,809	7	99,788	7	111,766
1/4	4,256	1/4	16,216	1/4	28,192	1/4	40,146	1/4	52,124	1/4	64,102	1/4	76,081	1/4	88,059	1/4	100,037	1/4	112,016
1/2	4,503	1/2	16,465	1/2	28,441	1/2	40,395	1/2	52,374	1/2	64,352	1/2	76,330	1/2	88,309	1/2	100,287	1/2	112,265
3/4	4,750	3/4	16,715	3/4	28,690	3/4	40,645	3/4	52,623	3/4	64,602	3/4	76,580	3/4	88,558	3/4	100,536	3/4	112,515
8	4,996	8	16,964	8	28,939	8	40,895	8	52,873	8	64,851	8	76,829	8	88,808	8	100,786	8	112,764
1/4	5,244	1/4	17,214	1/4	29,188	1/4	41,144	1/4	53,122	1/4	65,101	1/4	77,079	1/4	89,057	1/4	101,036	1/4	113,014
1/2	5,492	1/2	17,463	1/2	29,437	1/2	41,394	1/2	53,372	1/2	65,350	1/2	77,329	1/2	89,307	1/2	101,285	1/2	113,263
3/4	5,740	3/4	17,713	3/4	29,686	3/4	41,643	3/4	53,622	3/4	65,600	3/4	77,578	3/4	89,556	3/4	101,535	3/4	113,513
9	5,988	9	17,962	9	29,935	9	41,893	9	53,871	9	65,849	9	77,828	9	89,806	9	101,784	9	113,762
1/4	6,237	1/4	18,212	1/4	30,183	1/4	42,142	1/4	54,121	1/4	66,099	1/4	78,077	1/4	90,055	1/4	102,034	1/4	114,012
1/2	6,486	1/2	18,462	1/2	30,432	1/2	42,392	1/2	54,370	1/2	66,348	1/2	78,327	1/2	90,305	1/2	102,283	1/2	114,262
3/4	6,735	3/4	18,711	3/4	30,681	3/4	42,641	3/4	54,620	3/4	66,598	3/4	78,576	3/4	90,555	3/4	102,533	3/4	114,511
10	6,984	10	18,961	10	30,930	10	42,891	10	54,869	10	66,848	10	78,826	10	90,804	10	102,782	10	114,761
1/4	7,233	1/4	19,210	1/4	31,179	1/4	43,141	1/4	55,119	1/4	67,097	1/4	79,075	1/4	91,054	1/4	103,032	1/4	115,010
1/2	7,482	1/2	19,460	1/2	31,428	1/2	43,390	1/2	55,368	1/2	67,347	1/2	79,325	1/2	91,303	1/2	103,281	1/2	115,260
3/4	7,732	3/4	19,709	3/4	31,676	3/4	43,640	3/4	55,618	3/4	67,596	3/4	79,574	3/4	91,553	3/4	103,531	3/4	115,509
11	7,981	11	19,959	11	31,925	11	43,889	11	55,867	11	67,846	11	79,824	11	91,802	11	103,781	11	115,759
1/4	8,231	1/4	20,208	1/4	32,174	1/4	44,139	1/4	56,117	1/4	68,095	1/4	80,074	1/4	92,052	1/4	104,030	1/4	116,008
1/2	8,480	1/2	20,458	1/2	32,423	1/2	44,388	1/2	56,367	1/2	68,345	1/2	80,323	1/2	92,301	1/2	104,280	1/2	116,258
3/4	8,730	3/4	20,707	3/4	32,672	3/4	44,638	3/4	56,616	3/4	68,594	3/4	80,573	3/4	92,551	3/4	104,529	3/4	116,507

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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P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1414"

3 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	116,757	0	128,735	0	140,714	0	152,692	0	164,670	0		0		0		0		0	
1/4	117,007	1/4	128,985	1/4	140,963	1/4	152,941	1/4	164,920	1/4		1/4		1/4		1/4		1/4	
1/2	117,256	1/2	129,234	1/2	141,213	1/2	153,191	1/2	165,169	1/2		1/2		1/2		1/2		1/2	
3/4	117,506	3/4	129,484	3/4	141,462	3/4	153,440	3/4	165,419	3/4		3/4		3/4		3/4		3/4	
1	117,755	1	129,733	1	141,712	1	153,690	1	165,668	1		1		1		1		1	
1/4	118,005	1/4	129,983	1/4	141,961	1/4	153,940	1/4	165,918	1/4		1/4		1/4		1/4		1/4	
1/2	118,254	1/2	130,233	1/2	142,211	1/2	154,189	1/2	166,167	1/2		1/2		1/2		1/2		1/2	
3/4	118,504	3/4	130,482	3/4	142,460	3/4	154,439	3/4	166,417	3/4		3/4		3/4		3/4		3/4	
2	118,753	2	130,732	2	142,710	2	154,688	2	166,666	2		2		2		2		2	
1/4	119,003	1/4	130,981	1/4	142,959	1/4	154,938	1/4	166,916	1/4		1/4		1/4		1/4		1/4	
1/2	119,252	1/2	131,231	1/2	143,209	1/2	155,187	1/2	167,166	1/2		1/2		1/2		1/2		1/2	
3/4	119,502	3/4	131,480	3/4	143,459	3/4	155,437	3/4	167,415	3/4		3/4		3/4		3/4		3/4	
3	119,752	3	131,730	3	143,708	3	155,686	3	167,665	3		3		3		3		3	
1/4	120,001	1/4	131,979	1/4	143,958	1/4	155,936	1/4	167,893	1/4		1/4		1/4		1/4		1/4	
1/2	120,251	1/2	132,229	1/2	144,207	1/2	156,185	1/2	168,122	1/2		1/2		1/2		1/2		1/2	
3/4	120,500	3/4	132,478	3/4	144,457	3/4	156,435	3/4	168,351	3/4		3/4		3/4		3/4		3/4	
4	120,750	4	132,728	4	144,706	4	156,685	4	168,580	4		4		4		4		4	
1/4	120,999	1/4	132,978	1/4	144,956	1/4	156,934	1/4	168,767	1/4		1/4		1/4		1/4		1/4	
1/2	121,249	1/2	133,227	1/2	145,205	1/2	157,184	1/2	168,954	1/2		1/2		1/2		1/2		1/2	
3/4	121,498	3/4	133,477	3/4	145,455	3/4	157,433	3/4	169,141	3/4		3/4		3/4		3/4		3/4	
5	121,748	5	133,726	5	145,704	5	157,683	5	169,328	5		5		5		5		5	
1/4	121,997	1/4	133,976	1/4	145,954	1/4	157,932	1/4	169,474	1/4		1/4		1/4		1/4		1/4	
1/2	122,247	1/2	134,225	1/2	146,204	1/2	158,182	1/2	169,619	1/2		1/2		1/2		1/2		1/2	
3/4	122,497	3/4	134,475	3/4	146,453	3/4	158,431	3/4	169,765	3/4		3/4		3/4		3/4		3/4	
6	122,746	6	134,724	6	146,703	6	158,681	6	169,911	6		6		6		6		6	
1/4	122,996	1/4	134,974	1/4	146,952	1/4	158,931	1/4	170,015	1/4		1/4		1/4		1/4		1/4	
1/2	123,245	1/2	135,224	1/2	147,202	1/2	159,180	1/2	170,119	1/2		1/2		1/2		1/2		1/2	
3/4	123,495	3/4	135,473	3/4	147,451	3/4	159,430	3/4	170,222	3/4		3/4		3/4		3/4		3/4	
7	123,744	7	135,723	7	147,701	7	159,679	7	170,326	7		7		7		7		7	
1/4	123,994	1/4	135,972	1/4	147,950	1/4	159,929	1/4	170,389	1/4		1/4		1/4		1/4		1/4	
1/2	124,243	1/2	136,222	1/2	148,200	1/2	160,178	1/2	170,451	1/2		1/2		1/2		1/2		1/2	
3/4	124,493	3/4	136,471	3/4	148,450	3/4	160,428	3/4	170,514	3/4		3/4		3/4		3/4		3/4	
8	124,743	8	136,721	8	148,699	8	160,677	8	170,576	8		8		8		8		8	
1/4	124,992	1/4	136,970	1/4	148,949	1/4	160,927	1/4	170,597	1/4		1/4		1/4		1/4		1/4	
1/2	125,242	1/2	137,220	1/2	149,198	1/2	161,176	1/2	170,618	1/2		1/2		1/2		1/2		1/2	
3/4	125,491	3/4	137,469	3/4	149,448	3/4	161,426	3/4		3/4		3/4		3/4		3/4		3/4	
9	125,741	9	137,719	9	149,697	9	161,676	9		9		9		9		9		9	
1/4	125,990	1/4	137,969	1/4	149,947	1/4	161,925	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,240	1/2	138,218	1/2	150,196	1/2	162,175	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,489	3/4	138,468	3/4	150,446	3/4	162,424	3/4		3/4		3/4		3/4		3/4		3/4	
10	126,739	10	138,717	10	150,695	10	162,674	10		10		10		10		10		10	
1/4	126,988	1/4	138,967	1/4	150,945	1/4	162,923	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,238	1/2	139,216	1/2	151,195	1/2	163,173	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,488	3/4	139,466	3/4	151,444	3/4	163,422	3/4		3/4		3/4		3/4		3/4		3/4	
11	127,737	11	139,715	11	151,694	11	163,672	11		11		11		11		11		11	
1/4	127,987	1/4	139,965	1/4	151,943	1/4	163,921	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,236	1/2	140,214	1/2	152,193	1/2	164,171	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,486	3/4	140,464	3/4	152,442	3/4	164,421	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "CBC 1414"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>										
1 CENTER	- 00-3/8	00-3/8	- 00-3/4	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"

July 23, 2019

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

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 Pearland, Texas 77588

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BARGE "CBC 1414"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	151,404	0	143,996	0	135,877	0	127,758	0	119,648	0	109,023	0	97,438	0	85,854
1/4	1/4	1/4	1/4	1/4	151,384	1/4	143,826	1/4	135,708	1/4	127,589	1/4	119,479	1/4	108,781	1/4	97,197	1/4	85,613
1/2	1/2	1/2	1/2	1/2	151,323	1/2	143,657	1/2	135,538	1/2	127,420	1/2	119,311	1/2	108,540	1/2	96,956	1/2	85,371
3/4	3/4	3/4	3/4	3/4	151,263	3/4	143,488	3/4	135,369	3/4	127,251	3/4	119,142	3/4	108,299	3/4	96,714	3/4	85,130
1	1	1	1	1	151,202	1	143,319	1	135,200	1	127,081	1	118,973	1	108,057	1	96,473	1	84,889
1/4	1/4	1/4	1/4	1/4	151,142	1/4	143,150	1/4	135,031	1/4	126,912	1/4	118,805	1/4	107,816	1/4	96,232	1/4	84,647
1/2	1/2	1/2	1/2	1/2	151,041	1/2	142,981	1/2	134,862	1/2	126,743	1/2	118,636	1/2	107,575	1/2	95,990	1/2	84,406
3/4	3/4	3/4	3/4	3/4	150,940	3/4	142,812	3/4	134,693	3/4	126,574	3/4	118,468	3/4	107,333	3/4	95,749	3/4	84,165
2	2	2	2	2	150,840	2	142,642	2	134,524	2	126,405	2	118,299	2	107,092	2	95,508	2	83,923
1/4	1/4	1/4	1/4	1/4	150,739	1/4	142,473	1/4	134,354	1/4	126,236	1/4	118,131	1/4	106,851	1/4	95,266	1/4	83,682
1/2	1/2	1/2	1/2	1/2	150,598	1/2	142,304	1/2	134,185	1/2	126,067	1/2	117,963	1/2	106,609	1/2	95,025	1/2	83,441
3/4	3/4	3/4	3/4	3/4	150,457	3/4	142,135	3/4	134,016	3/4	125,897	3/4	117,794	3/4	106,368	3/4	94,784	3/4	83,199
3	3	3	3	3	150,316	3	141,966	3	133,847	3	125,728	3	117,626	3	106,127	3	94,542	3	82,958
1/4	1/4	1/4	1/4	1/4	150,175	1/4	141,797	1/4	133,678	1/4	125,559	1/4	117,458	1/4	105,885	1/4	94,301	1/4	82,716
1/2	1/2	1/2	1/2	1/2	149,993	1/2	141,628	1/2	133,509	1/2	125,390	1/2	117,217	1/2	105,644	1/2	94,060	1/2	82,476
3/4	3/4	3/4	3/4	3/4	149,812	3/4	141,458	3/4	133,340	3/4	125,221	3/4	116,977	3/4	105,403	3/4	93,818	3/4	82,235
4	4	4	4	4	149,630	4	141,289	4	133,171	4	125,052	4	116,736	4	105,161	4	93,577	4	81,995
1/4	1/4	1/4	1/4	1/4	149,449	1/4	141,120	1/4	133,001	1/4	124,883	1/4	116,495	1/4	104,920	1/4	93,336	1/4	81,754
1/2	1/2	1/2	1/2	1/2	149,227	1/2	140,951	1/2	132,832	1/2	124,713	1/2	116,254	1/2	104,679	1/2	93,094	1/2	81,514
3/4	3/4	3/4	3/4	3/4	149,006	3/4	140,782	3/4	132,663	3/4	124,544	3/4	116,014	3/4	104,437	3/4	92,853	3/4	81,274
5	5	5	5	5	148,784	5	140,613	5	132,494	5	124,375	5	115,773	5	104,196	5	92,612	5	81,034
1/4	1/4	1/4	1/4	1/4	148,562	1/4	140,444	1/4	132,325	1/4	124,206	1/4	115,532	1/4	103,954	1/4	92,370	1/4	80,795
1/2	1/2	1/2	1/2	1/2	148,393	1/2	140,274	1/2	132,156	1/2	124,037	1/2	115,291	1/2	103,713	1/2	92,129	1/2	80,555
3/4	3/4	3/4	3/4	3/4	148,224	3/4	140,105	3/4	131,987	3/4	123,868	3/4	115,050	3/4	103,472	3/4	91,888	3/4	80,315
6	6	6	6	6	148,055	6	139,936	6	131,817	6	123,699	6	114,810	6	103,230	6	91,646	6	80,075
1/4	1/4	1/4	1/4	1/4	147,886	1/4	139,767	1/4	131,648	1/4	123,529	1/4	114,569	1/4	102,989	1/4	91,405	1/4	79,835
1/2	1/2	1/2	1/2	1/2	147,717	1/2	139,598	1/2	131,479	1/2	123,360	1/2	114,328	1/2	102,748	1/2	91,164	1/2	79,595
3/4	3/4	3/4	3/4	3/4	147,547	3/4	139,429	3/4	131,310	3/4	123,191	3/4	114,087	3/4	102,506	3/4	90,922	3/4	79,355
7	7	7	7	7	147,378	7	139,260	7	131,141	7	123,022	7	113,847	7	102,265	7	90,681	7	79,115
1/4	1/4	1/4	1/4	1/4	147,209	1/4	139,090	1/4	130,972	1/4	122,853	1/4	113,606	1/4	102,024	1/4	90,440	1/4	78,875
1/2	1/2	1/2	1/2	1/2	147,040	1/2	138,921	1/2	130,803	1/2	122,684	1/2	113,365	1/2	101,782	1/2	90,198	1/2	78,635
3/4	3/4	3/4	3/4	3/4	146,871	3/4	138,752	3/4	130,633	3/4	122,515	3/4	113,124	3/4	101,541	3/4	89,957	3/4	78,395
8	8	8	8	8	146,702	8	138,583	8	130,464	8	122,346	8	112,883	8	101,300	8	89,716	8	78,156
1/4	1/4	1/4	1/4	1/4	146,533	1/4	138,414	1/4	130,295	1/4	122,176	1/4	112,643	1/4	101,058	1/4	89,474	1/4	77,916
1/2	1/2	1/2	1/2	1/2	146,363	1/2	138,245	1/2	130,126	1/2	122,008	1/2	112,401	1/2	100,817	1/2	89,233	1/2	77,676
3/4	3/4	3/4	3/4	3/4	146,194	3/4	138,076	3/4	129,957	3/4	121,839	3/4	112,160	3/4	100,576	3/4	88,991	3/4	77,436
9	9	9	9	9	146,025	9	137,906	9	129,788	9	121,671	9	111,919	9	100,334	9	88,750	9	77,196
1/4	1/4	1/4	1/4	1/4	145,856	1/4	137,737	1/4	129,619	1/4	121,502	1/4	111,677	1/4	100,093	1/4	88,509	1/4	76,956
1/2	1/2	1/2	1/2	1/2	145,687	1/2	137,568	1/2	129,449	1/2	121,333	1/2	111,436	1/2	99,852	1/2	88,267	1/2	76,716
3/4	3/4	3/4	3/4	3/4	145,518	3/4	137,399	3/4	129,280	3/4	121,165	3/4	111,195	3/4	99,610	3/4	88,026	3/4	76,476
10	10	10	10	10	145,349	10	137,230	10	129,111	10	120,996	10	110,953	10	99,369	10	87,785	10	76,236
1/4	1/4	1/4	1/4	1/4	145,179	1/4	137,061	1/4	128,942	1/4	120,828	1/4	110,712	1/4	99,128	1/4	87,543	1/4	75,997
1/2	1/2	1/2	1/2	1/2	145,010	1/2	136,892	1/2	128,773	1/2	120,659	1/2	110,471	1/2	98,886	1/2	87,302	1/2	75,757
3/4	3/4	3/4	3/4	3/4	144,841	3/4	136,722	3/4	128,604	3/4	120,491	3/4	110,229	3/4	98,645	3/4	87,061	3/4	75,517
11	11	11	11	11	144,672	11	136,553	11	128,435	11	120,322	11	109,988	11	98,404	11	86,819	11	75,277
1/4	1/4	1/4	1/4	1/4	144,503	1/4	136,384	1/4	128,265	1/4	120,153	1/4	109,747	1/4	98,162	1/4	86,578	1/4	75,037
1/2	1/2	1/2	1/2	1/2	144,334	1/2	136,215	1/2	128,096	1/2	119,985	1/2	109,505	1/2	97,921	1/2	86,337	1/2	74,796
3/4	3/4	3/4	3/4	3/4	151,424	3/4	144,165	3/4	136,046	3/4	127,927	3/4	119,816	3/4	109,264	3/4	97,680	3/4	86,095

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CBC 1414"

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	74,315	0	62,741	0	51,161	0	39,581	0	28,224	0	16,682	0	5,083	0		0		0	
1/4	74,074	1/4	62,499	1/4	50,920	1/4	39,340	1/4	27,989	1/4	16,441	1/4	4,843	1/4	1/4	1/4		1/4	
1/2	73,834	1/2	62,258	1/2	50,678	1/2	39,099	1/2	27,755	1/2	16,199	1/2	4,603	1/2	1/2	1/2		1/2	
3/4	73,593	3/4	62,017	3/4	50,437	3/4	38,857	3/4	27,521	3/4	15,957	3/4	4,364	3/4	3/4	3/4		3/4	
1	73,352	1	61,776	1	50,196	1	38,616	1	27,286	1	15,715	1	4,125	1	1	1		1	
1/4	73,112	1/4	61,534	1/4	49,955	1/4	38,375	1/4	27,052	1/4	15,473	1/4	3,886	1/4	1/4	1/4		1/4	
1/2	72,871	1/2	61,293	1/2	49,713	1/2	38,134	1/2	26,817	1/2	15,232	1/2	3,649	1/2	1/2	1/2		1/2	
3/4	72,630	3/4	61,052	3/4	49,472	3/4	37,892	3/4	26,583	3/4	14,990	3/4	3,412	3/4	3/4	3/4		3/4	
2	72,390	2	60,811	2	49,231	2	37,651	2	26,348	2	14,748	2	3,175	2	2	2		2	
1/4	72,149	1/4	60,569	1/4	48,990	1/4	37,410	1/4	26,114	1/4	14,506	1/4	2,938	1/4	1/4	1/4		1/4	
1/2	71,908	1/2	60,328	1/2	48,748	1/2	37,169	1/2	25,872	1/2	14,264	1/2	2,717	1/2	1/2	1/2		1/2	
3/4	71,667	3/4	60,087	3/4	48,507	3/4	36,927	3/4	25,630	3/4	14,022	3/4	2,496	3/4	3/4	3/4		3/4	
3	71,425	3	59,846	3	48,266	3	36,686	3	25,388	3	13,781	3	2,275	3	3	3		3	
1/4	71,184	1/4	59,604	1/4	48,025	1/4	36,445	1/4	25,146	1/4	13,539	1/4	2,054	1/4	1/4	1/4		1/4	
1/2	70,943	1/2	59,363	1/2	47,783	1/2	36,204	1/2	24,905	1/2	13,297	1/2	1,873	1/2	1/2	1/2		1/2	
3/4	70,702	3/4	59,122	3/4	47,542	3/4	35,962	3/4	24,663	3/4	13,055	3/4	1,691	3/4	3/4	3/4		3/4	
4	70,460	4	58,881	4	47,301	4	35,721	4	24,421	4	12,813	4	1,510	4	4	4		4	
1/4	70,219	1/4	58,639	1/4	47,060	1/4	35,480	1/4	24,179	1/4	12,571	1/4	1,329	1/4	1/4	1/4		1/4	
1/2	69,978	1/2	58,398	1/2	46,818	1/2	35,246	1/2	23,937	1/2	12,330	1/2	1,188	1/2	1/2	1/2		1/2	
3/4	69,737	3/4	58,157	3/4	46,577	3/4	35,012	3/4	23,695	3/4	12,088	3/4	1,047	3/4	3/4	3/4		3/4	
5	69,495	5	57,916	5	46,336	5	34,778	5	23,454	5	11,846	5	906	5	5	5		5	
1/4	69,254	1/4	57,674	1/4	46,095	1/4	34,544	1/4	23,212	1/4	11,604	1/4	765	1/4	1/4	1/4		1/4	
1/2	69,013	1/2	57,433	1/2	45,853	1/2	34,309	1/2	22,970	1/2	11,362	1/2	664	1/2	1/2	1/2		1/2	
3/4	68,772	3/4	57,192	3/4	45,612	3/4	34,075	3/4	22,728	3/4	11,120	3/4	563	3/4	3/4	3/4		3/4	
6	68,530	6	56,951	6	45,371	6	33,841	6	22,486	6	10,879	6	462	6	6	6		6	
1/4	68,289	1/4	56,709	1/4	45,130	1/4	33,607	1/4	22,244	1/4	10,637	1/4	361	1/4	1/4	1/4		1/4	
1/2	68,048	1/2	56,468	1/2	44,888	1/2	33,373	1/2	22,003	1/2	10,395	1/2	301	1/2	1/2	1/2		1/2	
3/4	67,807	3/4	56,227	3/4	44,647	3/4	33,139	3/4	21,761	3/4	10,153	3/4	241	3/4	3/4	3/4		3/4	
7	67,565	7	55,986	7	44,406	7	32,905	7	21,519	7	9,911	7	180	7	7	7		7	
1/4	67,324	1/4	55,744	1/4	44,165	1/4	32,671	1/4	21,277	1/4	9,669	1/4	120	1/4	1/4	1/4		1/4	
1/2	67,083	1/2	55,503	1/2	43,923	1/2	32,437	1/2	21,035	1/2	9,428	1/2	100	1/2	1/2	1/2		1/2	
3/4	66,842	3/4	55,262	3/4	43,682	3/4	32,203	3/4	20,794	3/4	9,186	3/4	79	3/4	3/4	3/4		3/4	
8	66,600	8	55,021	8	43,441	8	31,969	8	20,552	8	8,944	8	59	8	8	8		8	
1/4	66,359	1/4	54,779	1/4	43,200	1/4	31,735	1/4	20,310	1/4	8,702	1/4	39	1/4	1/4	1/4		1/4	
1/2	66,118	1/2	54,538	1/2	42,958	1/2	31,501	1/2	20,068	1/2	8,460	1/2		1/2	1/2	1/2		1/2	
3/4	65,877	3/4	54,297	3/4	42,717	3/4	31,266	3/4	19,826	3/4	8,219	3/4		3/4	3/4	3/4		3/4	
9	65,635	9	54,056	9	42,476	9	31,032	9	19,584	9	7,977	9		9	9	9		9	
1/4	65,394	1/4	53,814	1/4	42,235	1/4	30,798	1/4	19,343	1/4	7,735	1/4		1/4	1/4	1/4		1/4	
1/2	65,153	1/2	53,573	1/2	41,993	1/2	30,564	1/2	19,101	1/2	7,493	1/2		1/2	1/2	1/2		1/2	
3/4	64,912	3/4	53,332	3/4	41,752	3/4	30,330	3/4	18,859	3/4	7,252	3/4		3/4	3/4	3/4		3/4	
10	64,670	10	53,091	10	41,511	10	30,096	10	18,617	10	7,010	10		10	10	10		10	
1/4	64,429	1/4	52,849	1/4	41,270	1/4	29,862	1/4	18,375	1/4	6,769	1/4		1/4	1/4	1/4		1/4	
1/2	64,188	1/2	52,608	1/2	41,028	1/2	29,628	1/2	18,133	1/2	6,527	1/2		1/2	1/2	1/2		1/2	
3/4	63,947	3/4	52,367	3/4	40,787	3/4	29,394	3/4	17,892	3/4	6,286	3/4		3/4	3/4	3/4		3/4	
11	63,706	11	52,126	11	40,546	11	29,160	11	17,650	11	6,045	11		11	11	11		11	
1/4	63,464	1/4	51,885	1/4	40,305	1/4	28,926	1/4	17,408	1/4	5,804	1/4		1/4	1/4	1/4		1/4	
1/2	63,223	1/2	51,643	1/2	40,063	1/2	28,692	1/2	17,166	1/2	5,564	1/2		1/2	1/2	1/2		1/2	
3/4	62,982	3/4	51,402	3/4	39,822	3/4	28,458	3/4	16,924	3/4	5,323	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "CBC 1414"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4	190,962	1/4	179,435	1/4	165,994	1/4	152,553	1/4	139,112	1/4	125,671	1/4	112,230	1/4	98,790
1/2		1/2		1/2	190,892	1/2	179,155	1/2	165,714	1/2	152,273	1/2	138,832	1/2	125,391	1/2	111,950	1/2	98,510
3/4		3/4		3/4	190,822	3/4	178,875	3/4	165,434	3/4	151,993	3/4	138,552	3/4	125,111	3/4	111,670	3/4	98,230
1	1	1	1	1	190,706	1	178,595	1	165,154	1	151,713	1	138,272	1	124,831	1	111,390	1	97,950
1/4		1/4		1/4	190,589	1/4	178,315	1/4	164,874	1/4	151,433	1/4	137,992	1/4	124,551	1/4	111,110	1/4	97,669
1/2		1/2		1/2	190,472	1/2	178,035	1/2	164,594	1/2	151,153	1/2	137,712	1/2	124,271	1/2	110,830	1/2	97,389
3/4		3/4		3/4	190,356	3/4	177,755	3/4	164,314	3/4	150,873	3/4	137,432	3/4	123,991	3/4	110,550	3/4	97,109
2	2	2	2	2	190,192	2	177,475	2	164,034	2	150,593	2	137,152	2	123,711	2	110,270	2	96,829
1/4		1/4		1/4	190,029	1/4	177,195	1/4	163,754	1/4	150,313	1/4	136,872	1/4	123,431	1/4	109,990	1/4	96,549
1/2		1/2		1/2	189,866	1/2	176,915	1/2	163,474	1/2	150,033	1/2	136,592	1/2	123,151	1/2	109,710	1/2	96,269
3/4		3/4		3/4	189,702	3/4	176,635	3/4	163,194	3/4	149,753	3/4	136,312	3/4	122,871	3/4	109,430	3/4	95,989
3	3	3	3	3	189,492	3	176,355	3	162,914	3	149,473	3	136,032	3	122,591	3	109,150	3	95,709
1/4		1/4		1/4	189,282	1/4	176,075	1/4	162,634	1/4	149,193	1/4	135,752	1/4	122,311	1/4	108,870	1/4	95,429
1/2		1/2		1/2	189,072	1/2	175,795	1/2	162,354	1/2	148,913	1/2	135,472	1/2	122,031	1/2	108,590	1/2	95,149
3/4		3/4		3/4	188,862	3/4	175,515	3/4	162,074	3/4	148,633	3/4	135,192	3/4	121,751	3/4	108,310	3/4	94,869
4	4	4	4	4	188,606	4	175,235	4	161,794	4	148,353	4	134,912	4	121,471	4	108,030	4	94,589
1/4		1/4		1/4	188,349	1/4	174,955	1/4	161,514	1/4	148,073	1/4	134,632	1/4	121,191	1/4	107,750	1/4	94,309
1/2		1/2		1/2	188,092	1/2	174,675	1/2	161,234	1/2	147,793	1/2	134,352	1/2	120,911	1/2	107,470	1/2	94,029
3/4		3/4		3/4	187,835	3/4	174,395	3/4	160,954	3/4	147,513	3/4	134,072	3/4	120,631	3/4	107,190	3/4	93,749
5	5	5	5	5	187,555	5	174,115	5	160,674	5	147,233	5	133,792	5	120,351	5	106,910	5	93,469
1/4		1/4		1/4	187,275	1/4	173,835	1/4	160,394	1/4	146,953	1/4	133,512	1/4	120,071	1/4	106,630	1/4	93,189
1/2		1/2		1/2	186,995	1/2	173,555	1/2	160,114	1/2	146,673	1/2	133,232	1/2	119,791	1/2	106,350	1/2	92,909
3/4		3/4		3/4	186,715	3/4	173,275	3/4	159,834	3/4	146,393	3/4	132,952	3/4	119,511	3/4	106,070	3/4	92,629
6	6	6	6	6	186,435	6	172,995	6	159,554	6	146,113	6	132,672	6	119,231	6	105,790	6	92,349
1/4		1/4		1/4	186,155	1/4	172,714	1/4	159,274	1/4	145,833	1/4	132,392	1/4	118,951	1/4	105,510	1/4	92,069
1/2		1/2		1/2	185,875	1/2	172,434	1/2	158,994	1/2	145,553	1/2	132,112	1/2	118,671	1/2	105,230	1/2	91,789
3/4		3/4		3/4	185,595	3/4	172,154	3/4	158,714	3/4	145,273	3/4	131,832	3/4	118,391	3/4	104,950	3/4	91,509
7	7	7	7	7	185,315	7	171,874	7	158,434	7	144,993	7	131,552	7	118,111	7	104,670	7	91,229
1/4		1/4		1/4	185,035	1/4	171,594	1/4	158,154	1/4	144,713	1/4	131,272	1/4	117,831	1/4	104,390	1/4	90,949
1/2		1/2		1/2	184,755	1/2	171,314	1/2	157,873	1/2	144,433	1/2	130,992	1/2	117,551	1/2	104,110	1/2	90,669
3/4		3/4		3/4	184,475	3/4	171,034	3/4	157,593	3/4	144,153	3/4	130,712	3/4	117,271	3/4	103,830	3/4	90,389
8	8	8	8	8	184,195	8	170,754	8	157,313	8	143,873	8	130,432	8	116,991	8	103,550	8	90,109
1/4		1/4		1/4	183,915	1/4	170,474	1/4	157,033	1/4	143,593	1/4	130,152	1/4	116,711	1/4	103,270	1/4	89,829
1/2		1/2		1/2	183,635	1/2	170,194	1/2	156,753	1/2	143,313	1/2	129,872	1/2	116,431	1/2	102,990	1/2	89,549
3/4		3/4		3/4	183,355	3/4	169,914	3/4	156,473	3/4	143,033	3/4	129,592	3/4	116,151	3/4	102,710	3/4	89,269
9	9	9	9	9	183,075	9	169,634	9	156,193	9	142,752	9	129,312	9	115,871	9	102,430	9	88,989
1/4		1/4		1/4	182,795	1/4	169,354	1/4	155,913	1/4	142,472	1/4	129,032	1/4	115,591	1/4	102,150	1/4	88,709
1/2		1/2		1/2	182,515	1/2	169,074	1/2	155,633	1/2	142,192	1/2	128,752	1/2	115,311	1/2	101,870	1/2	88,429
3/4		3/4		3/4	182,235	3/4	168,794	3/4	155,353	3/4	141,912	3/4	128,472	3/4	115,031	3/4	101,590	3/4	88,149
10	10	10	10	10	181,955	10	168,514	10	155,073	10	141,632	10	128,192	10	114,751	10	101,310	10	87,869
1/4		1/4		1/4	181,675	1/4	168,234	1/4	154,793	1/4	141,352	1/4	127,912	1/4	114,471	1/4	101,030	1/4	87,589
1/2		1/2		1/2	181,395	1/2	167,954	1/2	154,513	1/2	141,072	1/2	127,631	1/2	114,191	1/2	100,750	1/2	87,309
3/4		3/4		3/4	181,115	3/4	167,674	3/4	154,233	3/4	140,792	3/4	127,351	3/4	113,911	3/4	100,470	3/4	87,029
11	11	11	11	11	180,835	11	167,394	11	153,953	11	140,512	11	127,071	11	113,631	11	100,190	11	86,749
1/4		1/4		1/4	191,149	1/4	180,555	1/4	167,114	1/4	153,673	1/4	140,232	1/4	113,351	1/4	99,910	1/4	86,469
1/2		1/2		1/2	191,126	1/2	180,275	1/2	166,834	1/2	153,393	1/2	139,952	1/2	113,071	1/2	99,630	1/2	86,189
3/4		3/4		3/4	191,102	3/4	179,995	3/4	166,554	3/4	153,113	3/4	139,672	3/4	112,791	3/4	99,350	3/4	85,909

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

<http://www.pmacorp.net>



BARGE "CBC 1414"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	85,629	0	72,188	0	58,747	0	45,306	0	32,168	0	18,751	0	5,324	0		0		0	
1/4	85,349	1/4	71,908	1/4	58,467	1/4	45,026	1/4	31,895	1/4	18,471	1/4	5,048	1/4	1/4		1/4		1/4
1/2	85,069	1/2	71,628	1/2	58,187	1/2	44,746	1/2	31,623	1/2	18,191	1/2	4,771	1/2	1/2		1/2		1/2
3/4	84,789	3/4	71,348	3/4	57,907	3/4	44,466	3/4	31,351	3/4	17,911	3/4	4,494	3/4	3/4		3/4		3/4
1	84,509	1	71,068	1	57,627	1	44,186	1	31,071	1	17,631	1	4,219	1	1		1		1
1/4	84,229	1/4	70,788	1/4	57,347	1/4	43,906	1/4	30,791	1/4	17,351	1/4	3,945	1/4	1/4		1/4		1/4
1/2	83,949	1/2	70,508	1/2	57,067	1/2	43,626	1/2	30,511	1/2	17,071	1/2	3,671	1/2	1/2		1/2		1/2
3/4	83,669	3/4	70,228	3/4	56,787	3/4	43,346	3/4	30,231	3/4	16,791	3/4	3,396	3/4	3/4		3/4		3/4
2	83,389	2	69,948	2	56,507	2	43,066	2	29,951	2	16,511	2	3,140	2	2		2		2
1/4	83,109	1/4	69,668	1/4	56,227	1/4	42,786	1/4	29,671	1/4	16,231	1/4	2,884	1/4	1/4		1/4		1/4
1/2	82,829	1/2	69,388	1/2	55,947	1/2	42,506	1/2	29,391	1/2	15,951	1/2	2,628	1/2	1/2		1/2		1/2
3/4	82,548	3/4	69,108	3/4	55,667	3/4	42,226	3/4	29,111	3/4	15,671	3/4	2,372	3/4	3/4		3/4		3/4
3	82,268	3	68,828	3	55,387	3	41,954	3	28,831	3	15,391	3	2,162	3	3		3		3
1/4	81,988	1/4	68,548	1/4	55,107	1/4	41,681	1/4	28,551	1/4	15,111	1/4	1,952	1/4	1/4		1/4		1/4
1/2	81,708	1/2	68,268	1/2	54,827	1/2	41,409	1/2	28,271	1/2	14,831	1/2	1,742	1/2	1/2		1/2		1/2
3/4	81,428	3/4	67,988	3/4	54,547	3/4	41,137	3/4	27,991	3/4	14,551	3/4	1,532	3/4	3/4		3/4		3/4
4	81,148	4	67,708	4	54,267	4	40,865	4	27,711	4	14,271	4	1,369	4	4		4		4
1/4	80,868	1/4	67,427	1/4	53,987	1/4	40,594	1/4	27,431	1/4	13,991	1/4	1,206	1/4	1/4		1/4		1/4
1/2	80,588	1/2	67,147	1/2	53,707	1/2	40,322	1/2	27,151	1/2	13,711	1/2	1,042	1/2	1/2		1/2		1/2
3/4	80,308	3/4	66,867	3/4	53,427	3/4	40,050	3/4	26,871	3/4	13,431	3/4	879	3/4	3/4		3/4		3/4
5	80,028	5	66,587	5	53,147	5	39,778	5	26,591	5	13,151	5	762	5	5		5		5
1/4	79,748	1/4	66,307	1/4	52,867	1/4	39,506	1/4	26,311	1/4	12,871	1/4	646	1/4	1/4		1/4		1/4
1/2	79,468	1/2	66,027	1/2	52,587	1/2	39,235	1/2	26,031	1/2	12,591	1/2	529	1/2	1/2		1/2		1/2
3/4	79,188	3/4	65,747	3/4	52,306	3/4	38,963	3/4	25,751	3/4	12,310	3/4	412	3/4	3/4		3/4		3/4
6	78,908	6	65,467	6	52,026	6	38,691	6	25,471	6	12,030	6	342	6	6		6		6
1/4	78,628	1/4	65,187	1/4	51,746	1/4	38,419	1/4	25,191	1/4	11,750	1/4	272	1/4	1/4		1/4		1/4
1/2	78,348	1/2	64,907	1/2	51,466	1/2	38,147	1/2	24,911	1/2	11,470	1/2	202	1/2	1/2		1/2		1/2
3/4	78,068	3/4	64,627	3/4	51,186	3/4	37,876	3/4	24,631	3/4	11,190	3/4	132	3/4	3/4		3/4		3/4
7	77,788	7	64,347	7	50,906	7	37,604	7	24,351	7	10,910	7	109	7	7		7		7
1/4	77,508	1/4	64,067	1/4	50,626	1/4	37,332	1/4	24,071	1/4	10,630	1/4	86	1/4	1/4		1/4		1/4
1/2	77,228	1/2	63,787	1/2	50,346	1/2	37,060	1/2	23,791	1/2	10,350	1/2	62	1/2	1/2		1/2		1/2
3/4	76,948	3/4	63,507	3/4	50,066	3/4	36,788	3/4	23,511	3/4	10,070	3/4	39	3/4	3/4		3/4		3/4
8	76,668	8	63,227	8	49,786	8	36,517	8	23,231	8	9,790	8		8	8		8		8
1/4	76,388	1/4	62,947	1/4	49,506	1/4	36,245	1/4	22,951	1/4	9,510	1/4		1/4	1/4		1/4		1/4
1/2	76,108	1/2	62,667	1/2	49,226	1/2	35,973	1/2	22,671	1/2	9,230	1/2		1/2	1/2		1/2		1/2
3/4	75,828	3/4	62,387	3/4	48,946	3/4	35,701	3/4	22,391	3/4	8,950	3/4		3/4	3/4		3/4		3/4
9	75,548	9	62,107	9	48,666	9	35,429	9	22,111	9	8,671	9		9	9		9		9
1/4	75,268	1/4	61,827	1/4	48,386	1/4	35,158	1/4	21,831	1/4	8,391	1/4		1/4	1/4		1/4		1/4
1/2	74,988	1/2	61,547	1/2	48,106	1/2	34,886	1/2	21,551	1/2	8,111	1/2		1/2	1/2		1/2		1/2
3/4	74,708	3/4	61,267	3/4	47,826	3/4	34,614	3/4	21,271	3/4	7,831	3/4		3/4	3/4		3/4		3/4
10	74,428	10	60,987	10	47,546	10	34,342	10	20,991	10	7,552	10		10	10		10		10
1/4	74,148	1/4	60,707	1/4	47,266	1/4	34,071	1/4	20,711	1/4	7,273	1/4		1/4	1/4		1/4		1/4
1/2	73,868	1/2	60,427	1/2	46,986	1/2	33,799	1/2	20,431	1/2	6,994	1/2		1/2	1/2		1/2		1/2
3/4	73,588	3/4	60,147	3/4	46,706	3/4	33,527	3/4	20,151	3/4	6,715	3/4		3/4	3/4		3/4		3/4
11	73,308	11	59,867	11	46,426	11	33,255	11	19,871	11	6,436	11		11	11		11		11
1/4	73,028	1/4	59,587	1/4	46,146	1/4	32,983	1/4	19,591	1/4	6,158	1/4		1/4	1/4		1/4		1/4
1/2	72,748	1/2	59,307	1/2	45,866	1/2	32,712	1/2	19,311	1/2	5,880	1/2		1/2	1/2		1/2		1/2
3/4	72,468	3/4	59,027	3/4	45,586	3/4	32,440	3/4	19,031	3/4	5,601	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019



BARGE "CBC 1414"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	170,618	0	161,177	0	149,199	0	137,220	0	125,242	0	113,264	0	101,285	0	89,307
1/4	1/4	1/4	1/4	1/4	170,597	1/4	160,927	1/4	148,949	1/4	136,971	1/4	124,992	1/4	113,014	1/4	101,036	1/4	89,058
1/2	1/2	1/2	1/2	1/2	170,576	1/2	160,678	1/2	148,699	1/2	136,721	1/2	124,743	1/2	112,765	1/2	100,786	1/2	88,808
3/4	3/4	3/4	3/4	3/4	170,514	3/4	160,428	3/4	148,450	3/4	136,472	3/4	124,493	3/4	112,515	3/4	100,537	3/4	88,559
1	1	1	1	1	170,452	1	160,179	1	148,200	1	136,222	1	124,244	1	112,266	1	100,287	1	88,309
1/4	1/4	1/4	1/4	1/4	170,389	1/4	159,929	1/4	147,951	1/4	135,973	1/4	123,994	1/4	112,016	1/4	100,038	1/4	88,059
1/2	1/2	1/2	1/2	1/2	170,327	1/2	159,680	1/2	147,701	1/2	135,723	1/2	123,745	1/2	111,766	1/2	99,788	1/2	87,810
3/4	3/4	3/4	3/4	3/4	170,223	3/4	159,430	3/4	147,452	3/4	135,473	3/4	123,495	3/4	111,517	3/4	99,539	3/4	87,560
2	2	2	2	2	170,119	2	159,180	2	147,202	2	135,224	2	123,246	2	111,267	2	99,289	2	87,311
1/4	1/4	1/4	1/4	1/4	170,015	1/4	158,931	1/4	146,953	1/4	134,974	1/4	122,996	1/4	111,018	1/4	99,040	1/4	87,061
1/2	1/2	1/2	1/2	1/2	169,911	1/2	158,681	1/2	146,703	1/2	134,725	1/2	122,747	1/2	110,768	1/2	98,790	1/2	86,812
3/4	3/4	3/4	3/4	3/4	169,765	3/4	158,432	3/4	146,454	3/4	134,475	3/4	122,497	3/4	110,519	3/4	98,540	3/4	86,562
3	3	3	3	3	169,620	3	158,182	3	146,204	3	134,226	3	122,247	3	110,269	3	98,291	3	86,313
1/4	1/4	1/4	1/4	1/4	169,474	1/4	157,933	1/4	145,954	1/4	133,976	1/4	121,998	1/4	110,020	1/4	98,041	1/4	86,063
1/2	1/2	1/2	1/2	1/2	169,329	1/2	157,683	1/2	145,705	1/2	133,727	1/2	121,748	1/2	109,770	1/2	97,792	1/2	85,814
3/4	3/4	3/4	3/4	3/4	169,142	3/4	157,434	3/4	145,455	3/4	133,477	3/4	121,499	3/4	109,521	3/4	97,542	3/4	85,564
4	4	4	4	4	168,954	4	157,184	4	145,206	4	133,228	4	121,249	4	109,271	4	97,293	4	85,314
1/4	1/4	1/4	1/4	1/4	168,767	1/4	156,935	1/4	144,956	1/4	132,978	1/4	121,000	1/4	109,021	1/4	97,043	1/4	85,065
1/2	1/2	1/2	1/2	1/2	168,580	1/2	156,685	1/2	144,707	1/2	132,728	1/2	120,750	1/2	108,772	1/2	96,794	1/2	84,815
3/4	3/4	3/4	3/4	3/4	168,351	3/4	156,435	3/4	144,457	3/4	132,479	3/4	120,501	3/4	108,522	3/4	96,544	3/4	84,566
5	5	5	5	5	168,123	5	156,186	5	144,208	5	132,229	5	120,251	5	108,273	5	96,295	5	84,316
1/4	1/4	1/4	1/4	1/4	167,894	1/4	155,936	1/4	143,958	1/4	131,980	1/4	120,002	1/4	108,023	1/4	96,045	1/4	84,067
1/2	1/2	1/2	1/2	1/2	167,665	1/2	155,687	1/2	143,709	1/2	131,730	1/2	119,752	1/2	107,774	1/2	95,795	1/2	83,817
3/4	3/4	3/4	3/4	3/4	167,416	3/4	155,437	3/4	143,459	3/4	131,481	3/4	119,502	3/4	107,524	3/4	95,546	3/4	83,568
6	6	6	6	6	167,166	6	155,188	6	143,209	6	131,231	6	119,253	6	107,275	6	95,296	6	83,318
1/4	1/4	1/4	1/4	1/4	166,916	1/4	154,938	1/4	142,960	1/4	130,982	1/4	119,003	1/4	107,025	1/4	95,047	1/4	83,068
1/2	1/2	1/2	1/2	1/2	166,667	1/2	154,689	1/2	142,710	1/2	130,732	1/2	118,754	1/2	106,775	1/2	94,797	1/2	82,819
3/4	3/4	3/4	3/4	3/4	166,417	3/4	154,439	3/4	142,461	3/4	130,482	3/4	118,504	3/4	106,526	3/4	94,548	3/4	82,569
7	7	7	7	7	166,168	7	154,189	7	142,211	7	130,233	7	118,255	7	106,276	7	94,298	7	82,320
1/4	1/4	1/4	1/4	1/4	165,918	1/4	153,940	1/4	141,962	1/4	129,983	1/4	118,005	1/4	106,027	1/4	94,049	1/4	82,070
1/2	1/2	1/2	1/2	1/2	165,669	1/2	153,690	1/2	141,712	1/2	129,734	1/2	117,756	1/2	105,777	1/2	93,799	1/2	81,821
3/4	3/4	3/4	3/4	3/4	165,419	3/4	153,441	3/4	141,463	3/4	129,484	3/4	117,506	3/4	105,528	3/4	93,549	3/4	81,571
8	8	8	8	8	165,170	8	153,191	8	141,213	8	129,235	8	117,256	8	105,278	8	93,300	8	81,322
1/4	1/4	1/4	1/4	1/4	164,920	1/4	152,942	1/4	140,963	1/4	128,985	1/4	117,007	1/4	105,029	1/4	93,050	1/4	81,072
1/2	1/2	1/2	1/2	1/2	164,670	1/2	152,692	1/2	140,714	1/2	128,736	1/2	116,757	1/2	104,779	1/2	92,801	1/2	80,823
3/4	3/4	3/4	3/4	3/4	164,421	3/4	152,443	3/4	140,464	3/4	128,486	3/4	116,508	3/4	104,530	3/4	92,551	3/4	80,573
9	9	9	9	9	164,171	9	152,193	9	140,215	9	128,237	9	116,258	9	104,280	9	92,302	9	80,323
1/4	1/4	1/4	1/4	1/4	163,922	1/4	151,944	1/4	139,965	1/4	127,987	1/4	116,009	1/4	104,030	1/4	92,052	1/4	80,074
1/2	1/2	1/2	1/2	1/2	163,672	1/2	151,694	1/2	139,716	1/2	127,737	1/2	115,759	1/2	103,781	1/2	91,803	1/2	79,824
3/4	3/4	3/4	3/4	3/4	163,423	3/4	151,444	3/4	139,466	3/4	127,488	3/4	115,510	3/4	103,531	3/4	91,553	3/4	79,575
10	10	10	10	10	163,173	10	151,195	10	139,217	10	127,238	10	115,260	10	103,282	10	91,304	10	79,325
1/4	1/4	1/4	1/4	1/4	162,924	1/4	150,945	1/4	138,967	1/4	126,989	1/4	115,011	1/4	103,032	1/4	91,054	1/4	79,076
1/2	1/2	1/2	1/2	1/2	162,674	1/2	150,696	1/2	138,718	1/2	126,739	1/2	114,761	1/2	102,783	1/2	90,804	1/2	78,826
3/4	3/4	3/4	3/4	3/4	162,425	3/4	150,446	3/4	138,468	3/4	126,490	3/4	114,511	3/4	102,533	3/4	90,555	3/4	78,577
11	11	11	11	11	162,175	11	150,197	11	138,218	11	126,240	11	114,262	11	102,284	11	90,305	11	78,327
1/4	1/4	1/4	1/4	1/4	161,925	1/4	149,947	1/4	137,969	1/4	125,991	1/4	114,012	1/4	102,034	1/4	90,056	1/4	78,078
1/2	1/2	1/2	1/2	1/2	161,676	1/2	149,698	1/2	137,719	1/2	125,741	1/2	113,763	1/2	101,785	1/2	89,806	1/2	77,828
3/4	3/4	3/4	3/4	3/4	161,426	3/4	149,448	3/4	137,470	3/4	125,492	3/4	113,513	3/4	101,535	3/4	89,557	3/4	77,578

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CBC 1414"

3 CENTER ULLAGE 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	77,329	0	65,351	0	53,372	0	41,394	0	29,437	0	17,464	0	5,493	0		0		0	
1/4	77,079	1/4	65,101	1/4	53,123	1/4	41,145	1/4	29,189	1/4	17,214	1/4	5,245	1/4	1/4	1/4		1/4	
1/2	76,830	1/2	64,852	1/2	52,873	1/2	40,895	1/2	28,940	1/2	16,965	1/2	4,997	1/2	1/2	1/2		1/2	
3/4	76,580	3/4	64,602	3/4	52,624	3/4	40,645	3/4	28,691	3/4	16,715	3/4	4,750	3/4	3/4	3/4		3/4	
1	76,331	1	64,352	1	52,374	1	40,396	1	28,441	1	16,466	1	4,503	1	1	1		1	
1/4	76,081	1/4	64,103	1/4	52,125	1/4	40,146	1/4	28,192	1/4	16,216	1/4	4,257	1/4	1/4	1/4		1/4	
1/2	75,832	1/2	63,853	1/2	51,875	1/2	39,897	1/2	27,943	1/2	15,967	1/2	4,010	1/2	1/2	1/2		1/2	
3/4	75,582	3/4	63,604	3/4	51,626	3/4	39,647	3/4	27,694	3/4	15,717	3/4	3,765	3/4	3/4	3/4		3/4	
2	75,333	2	63,354	2	51,376	2	39,398	2	27,445	2	15,468	2	3,521	2	2	2		2	
1/4	75,083	1/4	63,105	1/4	51,126	1/4	39,148	1/4	27,195	1/4	15,218	1/4	3,276	1/4	1/4	1/4		1/4	
1/2	74,833	1/2	62,855	1/2	50,877	1/2	38,899	1/2	26,946	1/2	14,968	1/2	3,032	1/2	1/2	1/2		1/2	
3/4	74,584	3/4	62,606	3/4	50,627	3/4	38,649	3/4	26,697	3/4	14,719	3/4	2,803	3/4	3/4	3/4		3/4	
3	74,334	3	62,356	3	50,378	3	38,400	3	26,447	3	14,469	3	2,575	3	3	3		3	
1/4	74,085	1/4	62,107	1/4	50,128	1/4	38,150	1/4	26,198	1/4	14,220	1/4	2,347	1/4	1/4	1/4		1/4	
1/2	73,835	1/2	61,857	1/2	49,879	1/2	37,900	1/2	25,948	1/2	13,970	1/2	2,119	1/2	1/2	1/2		1/2	
3/4	73,586	3/4	61,607	3/4	49,629	3/4	37,651	3/4	25,699	3/4	13,721	3/4	1,932	3/4	3/4	3/4		3/4	
4	73,336	4	61,358	4	49,380	4	37,401	4	25,449	4	13,471	4	1,745	4	4	4		4	
1/4	73,087	1/4	61,108	1/4	49,130	1/4	37,152	1/4	25,199	1/4	13,222	1/4	1,558	1/4	1/4	1/4		1/4	
1/2	72,837	1/2	60,859	1/2	48,880	1/2	36,902	1/2	24,950	1/2	12,972	1/2	1,371	1/2	1/2	1/2		1/2	
3/4	72,587	3/4	60,609	3/4	48,631	3/4	36,653	3/4	24,700	3/4	12,723	3/4	1,225	3/4	3/4	3/4		3/4	
5	72,338	5	60,360	5	48,381	5	36,405	5	24,451	5	12,473	5	1,079	5	5	5		5	
1/4	72,088	1/4	60,110	1/4	48,132	1/4	36,156	1/4	24,201	1/4	12,224	1/4	934	1/4	1/4	1/4		1/4	
1/2	71,839	1/2	59,861	1/2	47,882	1/2	35,907	1/2	23,952	1/2	11,974	1/2	788	1/2	1/2	1/2		1/2	
3/4	71,589	3/4	59,611	3/4	47,633	3/4	35,658	3/4	23,702	3/4	11,724	3/4	684	3/4	3/4	3/4		3/4	
6	71,340	6	59,361	6	47,383	6	35,409	6	23,453	6	11,475	6	580	6	6	6		6	
1/4	71,090	1/4	59,112	1/4	47,134	1/4	35,160	1/4	23,203	1/4	11,225	1/4	476	1/4	1/4	1/4		1/4	
1/2	70,841	1/2	58,862	1/2	46,884	1/2	34,912	1/2	22,954	1/2	10,976	1/2	372	1/2	1/2	1/2		1/2	
3/4	70,591	3/4	58,613	3/4	46,635	3/4	34,663	3/4	22,704	3/4	10,726	3/4	310	3/4	3/4	3/4		3/4	
7	70,342	7	58,363	7	46,385	7	34,414	7	22,455	7	10,477	7	248	7	7	7		7	
1/4	70,092	1/4	58,114	1/4	46,135	1/4	34,165	1/4	22,205	1/4	10,227	1/4	185	1/4	1/4	1/4		1/4	
1/2	69,842	1/2	57,864	1/2	45,886	1/2	33,916	1/2	21,955	1/2	9,978	1/2	123	1/2	1/2	1/2		1/2	
3/4	69,593	3/4	57,615	3/4	45,636	3/4	33,667	3/4	21,706	3/4	9,728	3/4	102	3/4	3/4	3/4		3/4	
8	69,343	8	57,365	8	45,387	8	33,419	8	21,456	8	9,479	8	81	8	8	8		8	
1/4	69,094	1/4	57,116	1/4	45,137	1/4	33,170	1/4	21,207	1/4	9,229	1/4	61	1/4	1/4	1/4		1/4	
1/2	68,844	1/2	56,866	1/2	44,888	1/2	32,921	1/2	20,957	1/2	8,980	1/2	39	1/2	1/2	1/2		1/2	
3/4	68,595	3/4	56,616	3/4	44,638	3/4	32,672	3/4	20,708	3/4	8,730	3/4		3/4	3/4	3/4		3/4	
9	68,345	9	56,367	9	44,389	9	32,423	9	20,458	9	8,480	9		9	9	9		9	
1/4	68,096	1/4	56,117	1/4	44,139	1/4	32,174	1/4	20,209	1/4	8,231	1/4		1/4	1/4	1/4		1/4	
1/2	67,846	1/2	55,868	1/2	43,890	1/2	31,926	1/2	19,959	1/2	7,981	1/2		1/2	1/2	1/2		1/2	
3/4	67,597	3/4	55,618	3/4	43,640	3/4	31,677	3/4	19,710	3/4	7,732	3/4		3/4	3/4	3/4		3/4	
10	67,347	10	55,369	10	43,390	10	31,428	10	19,460	10	7,483	10		10	10	10		10	
1/4	67,097	1/4	55,119	1/4	43,141	1/4	31,179	1/4	19,211	1/4	7,233	1/4		1/4	1/4	1/4		1/4	
1/2	66,848	1/2	54,870	1/2	42,891	1/2	30,930	1/2	18,961	1/2	6,984	1/2		1/2	1/2	1/2		1/2	
3/4	66,598	3/4	54,620	3/4	42,642	3/4	30,682	3/4	18,712	3/4	6,735	3/4		3/4	3/4	3/4		3/4	
11	66,349	11	54,371	11	42,392	11	30,433	11	18,462	11	6,487	11		11	11	11		11	
1/4	66,099	1/4	54,121	1/4	42,143	1/4	30,184	1/4	18,212	1/4	6,238	1/4		1/4	1/4	1/4		1/4	
1/2	65,850	1/2	53,871	1/2	41,893	1/2	29,935	1/2	17,963	1/2	5,989	1/2		1/2	1/2	1/2		1/2	
3/4	65,600	3/4	53,622	3/4	41,644	3/4	29,686	3/4	17,713	3/4	5,741	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019