



BARGE "CBC 1411"

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: 178'-06"

May 10, 2019

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1411"

1 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	39	0	8,710	0	20,328	0	31,763	0	43,238	0	54,828	0	66,418	0	77,985	0	89,553	0	101,148
1/4	60	1/4	8,952	1/4	20,570	1/4	31,997	1/4	43,479	1/4	55,069	1/4	66,659	1/4	78,225	1/4	89,795	1/4	101,389
1/2	80	1/2	9,194	1/2	20,812	1/2	32,231	1/2	43,721	1/2	55,311	1/2	66,901	1/2	78,465	1/2	90,036	1/2	101,631
3/4	100	3/4	9,436	3/4	21,054	3/4	32,466	3/4	43,962	3/4	55,552	3/4	67,142	3/4	78,705	3/4	90,278	3/4	101,872
1	120	1	9,678	1	21,296	1	32,700	1	44,204	1	55,794	1	67,384	1	78,945	1	90,519	1	102,114
1/4	181	1/4	9,920	1/4	21,538	1/4	32,934	1/4	44,445	1/4	56,035	1/4	67,625	1/4	79,185	1/4	90,761	1/4	102,355
1/2	241	1/2	10,162	1/2	21,780	1/2	33,169	1/2	44,687	1/2	56,277	1/2	67,867	1/2	79,425	1/2	91,002	1/2	102,597
3/4	302	3/4	10,404	3/4	22,022	3/4	33,403	3/4	44,928	3/4	56,518	3/4	68,108	3/4	79,665	3/4	91,244	3/4	102,838
2	362	2	10,646	2	22,264	2	33,637	2	45,170	2	56,760	2	68,350	2	79,905	2	91,486	2	103,080
1/4	463	1/4	10,888	1/4	22,506	1/4	33,871	1/4	45,411	1/4	57,001	1/4	68,591	1/4	80,146	1/4	91,727	1/4	103,322
1/2	564	1/2	11,131	1/2	22,748	1/2	34,106	1/2	45,653	1/2	57,242	1/2	68,832	1/2	80,386	1/2	91,969	1/2	103,563
3/4	665	3/4	11,373	3/4	22,990	3/4	34,340	3/4	45,894	3/4	57,484	3/4	69,074	3/4	80,626	3/4	92,210	3/4	103,805
3	765	3	11,615	3	23,233	3	34,574	3	46,135	3	57,725	3	69,315	3	80,866	3	92,452	3	104,046
1/4	907	1/4	11,857	1/4	23,475	1/4	34,808	1/4	46,377	1/4	57,967	1/4	69,557	1/4	81,106	1/4	92,693	1/4	104,288
1/2	1,048	1/2	12,099	1/2	23,717	1/2	35,043	1/2	46,618	1/2	58,208	1/2	69,798	1/2	81,346	1/2	92,935	1/2	104,529
3/4	1,189	3/4	12,341	3/4	23,959	3/4	35,277	3/4	46,860	3/4	58,450	3/4	70,040	3/4	81,586	3/4	93,176	3/4	104,771
4	1,330	4	12,583	4	24,201	4	35,511	4	47,101	4	58,691	4	70,281	4	81,826	4	93,418	4	105,012
1/4	1,512	1/4	12,825	1/4	24,443	1/4	35,753	1/4	47,343	1/4	58,933	1/4	70,523	1/4	82,067	1/4	93,660	1/4	105,254
1/2	1,693	1/2	13,067	1/2	24,685	1/2	35,994	1/2	47,584	1/2	59,174	1/2	70,764	1/2	82,308	1/2	93,901	1/2	105,496
3/4	1,875	3/4	13,309	3/4	24,927	3/4	36,236	3/4	47,826	3/4	59,416	3/4	71,006	3/4	82,549	3/4	94,143	3/4	105,737
5	2,056	5	13,551	5	25,169	5	36,477	5	48,067	5	59,657	5	71,247	5	82,790	5	94,384	5	105,979
1/4	2,277	1/4	13,793	1/4	25,411	1/4	36,719	1/4	48,309	1/4	59,899	1/4	71,488	1/4	83,031	1/4	94,626	1/4	106,220
1/2	2,498	1/2	14,035	1/2	25,653	1/2	36,960	1/2	48,550	1/2	60,140	1/2	71,730	1/2	83,273	1/2	94,867	1/2	106,462
3/4	2,720	3/4	14,277	3/4	25,895	3/4	37,202	3/4	48,791	3/4	60,381	3/4	71,971	3/4	83,514	3/4	95,109	3/4	106,703
6	2,941	6	14,519	6	26,137	6	37,443	6	49,033	6	60,623	6	72,213	6	83,756	6	95,350	6	106,945
1/4	3,178	1/4	14,761	1/4	26,372	1/4	37,684	1/4	49,274	1/4	60,864	1/4	72,454	1/4	83,997	1/4	95,592	1/4	107,186
1/2	3,415	1/2	15,003	1/2	26,606	1/2	37,926	1/2	49,516	1/2	61,106	1/2	72,695	1/2	84,239	1/2	95,833	1/2	107,428
3/4	3,653	3/4	15,245	3/4	26,841	3/4	38,167	3/4	49,757	3/4	61,347	3/4	72,935	3/4	84,480	3/4	96,075	3/4	107,669
7	3,890	7	15,487	7	27,076	7	38,409	7	49,999	7	61,589	7	73,176	7	84,722	7	96,317	7	107,911
1/4	4,129	1/4	15,729	1/4	27,310	1/4	38,650	1/4	50,240	1/4	61,830	1/4	73,417	1/4	84,964	1/4	96,558	1/4	108,153
1/2	4,368	1/2	15,971	1/2	27,545	1/2	38,892	1/2	50,482	1/2	62,072	1/2	73,658	1/2	85,205	1/2	96,800	1/2	108,394
3/4	4,608	3/4	16,213	3/4	27,780	3/4	39,133	3/4	50,723	3/4	62,313	3/4	73,899	3/4	85,447	3/4	97,041	3/4	108,636
8	4,847	8	16,455	8	28,014	8	39,375	8	50,965	8	62,555	8	74,140	8	85,688	8	97,283	8	108,877
1/4	5,088	1/4	16,697	1/4	28,249	1/4	39,616	1/4	51,206	1/4	62,796	1/4	74,381	1/4	85,930	1/4	97,524	1/4	109,119
1/2	5,328	1/2	16,939	1/2	28,483	1/2	39,858	1/2	51,448	1/2	63,037	1/2	74,622	1/2	86,171	1/2	97,766	1/2	109,360
3/4	5,569	3/4	17,182	3/4	28,717	3/4	40,099	3/4	51,689	3/4	63,279	3/4	74,862	3/4	86,413	3/4	98,007	3/4	109,602
9	5,809	9	17,424	9	28,951	9	40,340	9	51,930	9	63,520	9	75,103	9	86,654	9	98,249	9	109,843
1/4	6,051	1/4	17,666	1/4	29,186	1/4	40,582	1/4	52,172	1/4	63,762	1/4	75,343	1/4	86,896	1/4	98,491	1/4	110,085
1/2	6,292	1/2	17,908	1/2	29,420	1/2	40,823	1/2	52,413	1/2	64,003	1/2	75,583	1/2	87,138	1/2	98,732	1/2	110,327
3/4	6,533	3/4	18,150	3/4	29,654	3/4	41,065	3/4	52,655	3/4	64,245	3/4	75,824	3/4	87,379	3/4	98,974	3/4	110,568
10	6,775	10	18,392	10	29,889	10	41,306	10	52,896	10	64,486	10	76,064	10	87,621	10	99,215	10	110,810
1/4	7,017	1/4	18,634	1/4	30,123	1/4	41,548	1/4	53,138	1/4	64,728	1/4	76,304	1/4	87,862	1/4	99,457	1/4	111,051
1/2	7,258	1/2	18,876	1/2	30,357	1/2	41,789	1/2	53,379	1/2	64,969	1/2	76,544	1/2	88,104	1/2	99,698	1/2	111,293
3/4	7,500	3/4	19,118	3/4	30,591	3/4	42,031	3/4	53,621	3/4	65,211	3/4	76,784	3/4	88,345	3/4	99,940	3/4	111,534
11	7,742	11	19,360	11	30,826	11	42,272	11	53,862	11	65,452	11	77,024	11	88,587	11	100,181	11	111,776
1/4	7,984	1/4	19,602	1/4	31,060	1/4	42,514	1/4	54,104	1/4	65,694	1/4	77,264	1/4	88,828	1/4	100,423	1/4	112,017
1/2	8,226	1/2	19,844	1/2	31,294	1/2	42,755	1/2	54,345	1/2	65,935	1/2	77,504	1/2	89,070	1/2	100,665	1/2	112,259
3/4	8,468	3/4	20,086	3/4	31,529	3/4	42,997	3/4	54,586	3/4	66,176	3/4	77,744	3/4	89,312	3/4	100,906	3/4	112,501

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

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BARGE "CBC 1411"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	112,742	0	122,284	0	130,410	0	138,536	0	146,662	0		0		0		0		0	
1/4	112,983	1/4	122,453	1/4	130,579	1/4	138,705	1/4	146,831	1/4		1/4		1/4		1/4		1/4	
1/2	113,224	1/2	122,623	1/2	130,749	1/2	138,874	1/2	147,000	1/2		1/2		1/2		1/2		1/2	
3/4	113,465	3/4	122,792	3/4	130,918	3/4	139,044	3/4	147,170	3/4		3/4		3/4		3/4		3/4	
1	113,706	1	122,961	1	131,087	1	139,213	1	147,339	1		1		1		1		1	
1/4	113,947	1/4	123,131	1/4	131,256	1/4	139,382	1/4	147,508	1/4		1/4		1/4		1/4		1/4	
1/2	114,188	1/2	123,300	1/2	131,426	1/2	139,552	1/2	147,678	1/2		1/2		1/2		1/2		1/2	
3/4	114,429	3/4	123,469	3/4	131,595	3/4	139,721	3/4	147,847	3/4		3/4		3/4		3/4		3/4	
2	114,670	2	123,638	2	131,764	2	139,890	2	148,016	2		2		2		2		2	
1/4	114,911	1/4	123,808	1/4	131,934	1/4	140,060	1/4	148,185	1/4		1/4		1/4		1/4		1/4	
1/2	115,152	1/2	123,977	1/2	132,103	1/2	140,229	1/2	148,355	1/2		1/2		1/2		1/2		1/2	
3/4	115,393	3/4	124,146	3/4	132,272	3/4	140,398	3/4	148,524	3/4		3/4		3/4		3/4		3/4	
3	115,634	3	124,316	3	132,441	3	140,567	3	148,693	3		3		3		3		3	
1/4	115,875	1/4	124,485	1/4	132,611	1/4	140,737	1/4	148,915	1/4		1/4		1/4		1/4		1/4	
1/2	116,116	1/2	124,654	1/2	132,780	1/2	140,906	1/2	149,137	1/2		1/2		1/2		1/2		1/2	
3/4	116,357	3/4	124,823	3/4	132,949	3/4	141,075	3/4	149,359	3/4		3/4		3/4		3/4		3/4	
4	116,598	4	124,993	4	133,119	4	141,245	4	149,581	4		4		4		4		4	
1/4	116,839	1/4	125,162	1/4	133,288	1/4	141,414	1/4	149,762	1/4		1/4		1/4		1/4		1/4	
1/2	117,080	1/2	125,331	1/2	133,457	1/2	141,583	1/2	149,944	1/2		1/2		1/2		1/2		1/2	
3/4	117,321	3/4	125,501	3/4	133,627	3/4	141,752	3/4	150,125	3/4		3/4		3/4		3/4		3/4	
5	117,562	5	125,670	5	133,796	5	141,922	5	150,307	5		5		5		5		5	
1/4	117,730	1/4	125,839	1/4	133,965	1/4	142,091	1/4	150,448	1/4		1/4		1/4		1/4		1/4	
1/2	117,898	1/2	126,009	1/2	134,134	1/2	142,260	1/2	150,589	1/2		1/2		1/2		1/2		1/2	
3/4	118,067	3/4	126,178	3/4	134,304	3/4	142,430	3/4	150,731	3/4		3/4		3/4		3/4		3/4	
6	118,235	6	126,347	6	134,473	6	142,599	6	150,872	6		6		6		6		6	
1/4	118,404	1/4	126,516	1/4	134,642	1/4	142,768	1/4	150,973	1/4		1/4		1/4		1/4		1/4	
1/2	118,572	1/2	126,686	1/2	134,812	1/2	142,937	1/2	151,073	1/2		1/2		1/2		1/2		1/2	
3/4	118,741	3/4	126,855	3/4	134,981	3/4	143,107	3/4	151,174	3/4		3/4		3/4		3/4		3/4	
7	118,910	7	127,024	7	135,150	7	143,276	7	151,275	7		7		7		7		7	
1/4	119,078	1/4	127,194	1/4	135,319	1/4	143,445	1/4	151,336	1/4		1/4		1/4		1/4		1/4	
1/2	119,247	1/2	127,363	1/2	135,489	1/2	143,615	1/2	151,396	1/2		1/2		1/2		1/2		1/2	
3/4	119,416	3/4	127,532	3/4	135,658	3/4	143,784	3/4	151,457	3/4		3/4		3/4		3/4		3/4	
8	119,585	8	127,701	8	135,827	8	143,953	8	151,517	8		8		8		8		8	
1/4	119,753	1/4	127,871	1/4	135,997	1/4	144,122	1/4	151,537	1/4		1/4		1/4		1/4		1/4	
1/2	119,922	1/2	128,040	1/2	136,166	1/2	144,292	1/2	151,558	1/2		1/2		1/2		1/2		1/2	
3/4	120,091	3/4	128,209	3/4	136,335	3/4	144,461	3/4		3/4		3/4		3/4		3/4		3/4	
9	120,259	9	128,379	9	136,504	9	144,630	9		9		9		9		9		9	
1/4	120,428	1/4	128,548	1/4	136,674	1/4	144,800	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120,597	1/2	128,717	1/2	136,843	1/2	144,969	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,766	3/4	128,886	3/4	137,012	3/4	145,138	3/4		3/4		3/4		3/4		3/4		3/4	
10	120,934	10	129,056	10	137,182	10	145,307	10		10		10		10		10		10	
1/4	121,103	1/4	129,225	1/4	137,351	1/4	145,477	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,272	1/2	129,394	1/2	137,520	1/2	145,646	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	121,441	3/4	129,564	3/4	137,689	3/4	145,815	3/4		3/4		3/4		3/4		3/4		3/4	
11	121,609	11	129,733	11	137,859	11	145,985	11		11		11		11		11		11	
1/4	121,778	1/4	129,902	1/4	138,028	1/4	146,154	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,947	1/2	130,071	1/2	138,197	1/2	146,323	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	122,115	3/4	130,241	3/4	138,367	3/4	146,493	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/10/2019 SW - JS
CALCULATED: 05/11/2019 CL
PRINTED: 05/12/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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<http://www.dmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019



BARGE "CBC 1411"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

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	36,788	0	50,066	0	63,507	0	76,948	0	90,388	0	103,829	0	117,270
1/4	63	1/4	10,351	1/4	23,791	1/4	37,060	1/4	50,346	1/4	63,787	1/4	77,228	1/4	90,668	1/4	104,109	1/4	117,550
1/2	86	1/2	10,631	1/2	24,071	1/2	37,332	1/2	50,626	1/2	64,067	1/2	77,508	1/2	90,949	1/2	104,389	1/2	117,830
3/4	109	3/4	10,911	3/4	24,351	3/4	37,604	3/4	50,906	3/4	64,347	3/4	77,788	3/4	91,229	3/4	104,669	3/4	118,110
1	133	1	11,191	1	24,631	1	37,876	1	51,186	1	64,627	1	78,068	1	91,509	1	104,949	1	118,390
1/4	203	1/4	11,471	1/4	24,911	1/4	38,147	1/4	51,466	1/4	64,907	1/4	78,348	1/4	91,789	1/4	105,229	1/4	118,670
1/2	273	1/2	11,751	1/2	25,191	1/2	38,419	1/2	51,746	1/2	65,187	1/2	78,628	1/2	92,069	1/2	105,509	1/2	118,950
3/4	343	3/4	12,031	3/4	25,471	3/4	38,691	3/4	52,026	3/4	65,467	3/4	78,908	3/4	92,349	3/4	105,789	3/4	119,230
2	413	2	12,311	2	25,751	2	38,963	2	52,306	2	65,747	2	79,188	2	92,629	2	106,069	2	119,510
1/4	529	1/4	12,591	1/4	26,031	1/4	39,235	1/4	52,586	1/4	66,027	1/4	79,468	1/4	92,909	1/4	106,349	1/4	119,790
1/2	646	1/2	12,871	1/2	26,311	1/2	39,506	1/2	52,866	1/2	66,307	1/2	79,748	1/2	93,189	1/2	106,629	1/2	120,070
3/4	763	3/4	13,151	3/4	26,591	3/4	39,778	3/4	53,146	3/4	66,587	3/4	80,028	3/4	93,469	3/4	106,909	3/4	120,350
3	879	3	13,431	3	26,871	3	40,050	3	53,426	3	66,867	3	80,308	3	93,749	3	107,189	3	120,630
1/4	1,043	1/4	13,711	1/4	27,151	1/4	40,322	1/4	53,706	1/4	67,147	1/4	80,588	1/4	94,029	1/4	107,469	1/4	120,910
1/2	1,206	1/2	13,991	1/2	27,431	1/2	40,594	1/2	53,986	1/2	67,427	1/2	80,868	1/2	94,309	1/2	107,749	1/2	121,190
3/4	1,369	3/4	14,271	3/4	27,711	3/4	40,865	3/4	54,266	3/4	67,707	3/4	81,148	3/4	94,589	3/4	108,029	3/4	121,470
4	1,533	4	14,551	4	27,991	4	41,137	4	54,546	4	67,987	4	81,428	4	94,869	4	108,309	4	121,750
1/4	1,743	1/4	14,831	1/4	28,271	1/4	41,409	1/4	54,826	1/4	68,267	1/4	81,708	1/4	95,149	1/4	108,590	1/4	122,030
1/2	1,953	1/2	15,111	1/2	28,551	1/2	41,681	1/2	55,106	1/2	68,547	1/2	81,988	1/2	95,429	1/2	108,870	1/2	122,310
3/4	2,163	3/4	15,391	3/4	28,831	3/4	41,954	3/4	55,386	3/4	68,827	3/4	82,268	3/4	95,709	3/4	109,150	3/4	122,590
5	2,373	5	15,671	5	29,111	5	42,226	5	55,667	5	69,107	5	82,548	5	95,989	5	109,430	5	122,870
1/4	2,629	1/4	15,951	1/4	29,391	1/4	42,506	1/4	55,947	1/4	69,387	1/4	82,828	1/4	96,269	1/4	109,710	1/4	123,150
1/2	2,885	1/2	16,231	1/2	29,671	1/2	42,786	1/2	56,227	1/2	69,667	1/2	83,108	1/2	96,549	1/2	109,990	1/2	123,430
3/4	3,140	3/4	16,511	3/4	29,951	3/4	43,066	3/4	56,507	3/4	69,947	3/4	83,388	3/4	96,829	3/4	110,270	3/4	123,710
6	3,396	6	16,791	6	30,231	6	43,346	6	56,787	6	70,227	6	83,668	6	97,109	6	110,550	6	123,990
1/4	3,671	1/4	17,071	1/4	30,511	1/4	43,626	1/4	57,067	1/4	70,507	1/4	83,948	1/4	97,389	1/4	110,830	1/4	124,270
1/2	3,945	1/2	17,351	1/2	30,791	1/2	43,906	1/2	57,347	1/2	70,787	1/2	84,228	1/2	97,669	1/2	111,110	1/2	124,550
3/4	4,220	3/4	17,631	3/4	31,071	3/4	44,186	3/4	57,627	3/4	71,067	3/4	84,508	3/4	97,949	3/4	111,390	3/4	124,830
7	4,494	7	17,911	7	31,351	7	44,466	7	57,907	7	71,347	7	84,788	7	98,229	7	111,670	7	125,110
1/4	4,771	1/4	18,191	1/4	31,623	1/4	44,746	1/4	58,187	1/4	71,627	1/4	85,068	1/4	98,509	1/4	111,950	1/4	125,390
1/2	5,048	1/2	18,471	1/2	31,895	1/2	45,026	1/2	58,467	1/2	71,907	1/2	85,348	1/2	98,789	1/2	112,230	1/2	125,670
3/4	5,325	3/4	18,751	3/4	32,168	3/4	45,306	3/4	58,747	3/4	72,187	3/4	85,628	3/4	99,069	3/4	112,510	3/4	125,950
8	5,602	8	19,031	8	32,440	8	45,586	8	59,027	8	72,467	8	85,908	8	99,349	8	112,790	8	126,231
1/4	5,880	1/4	19,311	1/4	32,712	1/4	45,866	1/4	59,307	1/4	72,747	1/4	86,188	1/4	99,629	1/4	113,070	1/4	126,511
1/2	6,158	1/2	19,591	1/2	32,983	1/2	46,146	1/2	59,587	1/2	73,027	1/2	86,468	1/2	99,909	1/2	113,350	1/2	126,791
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	86,748	3/4	100,189	3/4	113,630	3/4	127,071
9	6,715	9	20,151	9	33,527	9	46,706	9	60,147	9	73,588	9	87,028	9	100,469	9	113,910	9	127,351
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	87,308	1/4	100,749	1/4	114,190	1/4	127,631
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	87,588	1/2	101,029	1/2	114,470	1/2	127,911
3/4	7,552	3/4	20,991	3/4	34,342	3/4	47,546	3/4	60,987	3/4	74,428	3/4	87,868	3/4	101,309	3/4	114,750	3/4	128,191
10	7,832	10	21,271	10	34,614	10	47,826	10	61,267	10	74,708	10	88,148	10	101,589	10	115,030	10	128,471
1/4	8,111	1/4	21,551	1/4	34,886	1/4	48,106	1/4	61,547	1/4	74,988	1/4	88,428	1/4	101,869	1/4	115,310	1/4	128,751
1/2	8,391	1/2	21,831	1/2	35,158	1/2	48,386	1/2	61,827	1/2	75,268	1/2	88,708	1/2	102,149	1/2	115,590	1/2	129,031
3/4	8,671	3/4	22,111	3/4	35,429	3/4	48,666	3/4	62,107	3/4	75,548	3/4	88,988	3/4	102,429	3/4	115,870	3/4	129,311
11	8,951	11	22,391	11	35,701	11	48,946	11	62,387	11	75,828	11	89,268	11	102,709	11	116,150	11	129,591
1/4	9,231	1/4	22,671	1/4	35,973	1/4	49,226	1/4	62,667	1/4	76,108	1/4	89,548	1/4	102,989	1/4	116,430	1/4	129,871
1/2	9,511	1/2	22,951	1/2	36,245	1/2	49,506	1/2	62,947	1/2	76,388	1/2	89,828	1/2	103,269	1/2	116,710	1/2	130,151
3/4	9,791	3/4	23,231	3/4	36,517	3/4	49,786	3/4	63,227	3/4	76,668	3/4	90,108	3/4	103,549	3/4	116,990	3/4	130,431

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 1411"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

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	130,711	0	144,152	0	157,592	0	171,033	0	184,474	0		0		0		0		0	
1/4	130,991	1/4	144,432	1/4	157,872	1/4	171,313	1/4	184,754	1/4		1/4		1/4		1/4		1/4	
1/2	131,271	1/2	144,712	1/2	158,152	1/2	171,593	1/2	185,034	1/2		1/2		1/2		1/2		1/2	
3/4	131,551	3/4	144,992	3/4	158,432	3/4	171,873	3/4	185,314	3/4		3/4		3/4		3/4		3/4	
1	131,831	1	145,272	1	158,712	1	172,153	1	185,594	1		1		1		1		1	
1/4	132,111	1/4	145,552	1/4	158,992	1/4	172,433	1/4	185,874	1/4		1/4		1/4		1/4		1/4	
1/2	132,391	1/2	145,832	1/2	159,272	1/2	172,713	1/2	186,154	1/2		1/2		1/2		1/2		1/2	
3/4	132,671	3/4	146,112	3/4	159,552	3/4	172,993	3/4	186,434	3/4		3/4		3/4		3/4		3/4	
2	132,951	2	146,392	2	159,832	2	173,273	2	186,714	2		2		2		2		2	
1/4	133,231	1/4	146,672	1/4	160,112	1/4	173,553	1/4	186,994	1/4		1/4		1/4		1/4		1/4	
1/2	133,511	1/2	146,952	1/2	160,392	1/2	173,833	1/2	187,274	1/2		1/2		1/2		1/2		1/2	
3/4	133,791	3/4	147,232	3/4	160,672	3/4	174,113	3/4	187,554	3/4		3/4		3/4		3/4		3/4	
3	134,071	3	147,512	3	160,952	3	174,393	3	187,834	3		3		3		3		3	
1/4	134,351	1/4	147,792	1/4	161,232	1/4	174,673	1/4	188,091	1/4		1/4		1/4		1/4		1/4	
1/2	134,631	1/2	148,072	1/2	161,513	1/2	174,953	1/2	188,347	1/2		1/2		1/2		1/2		1/2	
3/4	134,911	3/4	148,352	3/4	161,793	3/4	175,233	3/4	188,604	3/4		3/4		3/4		3/4		3/4	
4	135,191	4	148,632	4	162,073	4	175,513	4	188,861	4		4		4		4		4	
1/4	135,471	1/4	148,912	1/4	162,353	1/4	175,793	1/4	189,071	1/4		1/4		1/4		1/4		1/4	
1/2	135,751	1/2	149,192	1/2	162,633	1/2	176,073	1/2	189,281	1/2		1/2		1/2		1/2		1/2	
3/4	136,031	3/4	149,472	3/4	162,913	3/4	176,353	3/4	189,491	3/4		3/4		3/4		3/4		3/4	
5	136,311	5	149,752	5	163,193	5	176,633	5	189,701	5		5		5		5		5	
1/4	136,591	1/4	150,032	1/4	163,473	1/4	176,913	1/4	189,864	1/4		1/4		1/4		1/4		1/4	
1/2	136,871	1/2	150,312	1/2	163,753	1/2	177,193	1/2	190,027	1/2		1/2		1/2		1/2		1/2	
3/4	137,151	3/4	150,592	3/4	164,033	3/4	177,473	3/4	190,191	3/4		3/4		3/4		3/4		3/4	
6	137,431	6	150,872	6	164,313	6	177,753	6	190,354	6		6		6		6		6	
1/4	137,711	1/4	151,152	1/4	164,593	1/4	178,033	1/4	190,471	1/4		1/4		1/4		1/4		1/4	
1/2	137,991	1/2	151,432	1/2	164,873	1/2	178,313	1/2	190,587	1/2		1/2		1/2		1/2		1/2	
3/4	138,271	3/4	151,712	3/4	165,153	3/4	178,593	3/4	190,704	3/4		3/4		3/4		3/4		3/4	
7	138,551	7	151,992	7	165,433	7	178,873	7	190,821	7		7		7		7		7	
1/4	138,831	1/4	152,272	1/4	165,713	1/4	179,154	1/4	190,891	1/4		1/4		1/4		1/4		1/4	
1/2	139,111	1/2	152,552	1/2	165,993	1/2	179,434	1/2	190,961	1/2		1/2		1/2		1/2		1/2	
3/4	139,391	3/4	152,832	3/4	166,273	3/4	179,714	3/4	191,031	3/4		3/4		3/4		3/4		3/4	
8	139,671	8	153,112	8	166,553	8	179,994	8	191,101	8		8		8		8		8	
1/4	139,951	1/4	153,392	1/4	166,833	1/4	180,274	1/4	191,124	1/4		1/4		1/4		1/4		1/4	
1/2	140,231	1/2	153,672	1/2	167,113	1/2	180,554	1/2	191,147	1/2		1/2		1/2		1/2		1/2	
3/4	140,511	3/4	153,952	3/4	167,393	3/4	180,834	3/4		3/4		3/4		3/4		3/4		3/4	
9	140,791	9	154,232	9	167,673	9	181,114	9		9		9		9		9		9	
1/4	141,071	1/4	154,512	1/4	167,953	1/4	181,394	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	141,351	1/2	154,792	1/2	168,233	1/2	181,674	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	141,631	3/4	155,072	3/4	168,513	3/4	181,954	3/4		3/4		3/4		3/4		3/4		3/4	
10	141,911	10	155,352	10	168,793	10	182,234	10		10		10		10		10		10	
1/4	142,191	1/4	155,632	1/4	169,073	1/4	182,514	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	142,471	1/2	155,912	1/2	169,353	1/2	182,794	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	142,751	3/4	156,192	3/4	169,633	3/4	183,074	3/4		3/4		3/4		3/4		3/4		3/4	
11	143,031	11	156,472	11	169,913	11	183,354	11		11		11		11		11		11	
1/4	143,311	1/4	156,752	1/4	170,193	1/4	183,634	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	143,591	1/2	157,032	1/2	170,473	1/2	183,914	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	143,872	3/4	157,312	3/4	170,753	3/4	184,194	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/10/2019 SW - JS
 CALCULATED: 05/11/2019 CL
 PRINTED: 05/12/2019 SW

PRECISION MEASUREMENT
 & ANALYSIS, INC.

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CANCELS AND SUPERCEDES
 ALL PRIOR TO 05/2019



BARGE "CBC 1411"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 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	8,985	0	20,972	0	32,943	0	44,919	0	56,905	0	68,892	0	80,878	0	92,865	0	104,852
1/4	60	1/4	9,235	1/4	21,221	1/4	33,192	1/4	45,168	1/4	57,155	1/4	69,141	1/4	81,128	1/4	93,115	1/4	105,101
1/2	81	1/2	9,485	1/2	21,471	1/2	33,441	1/2	45,418	1/2	57,405	1/2	69,391	1/2	81,378	1/2	93,364	1/2	105,351
3/4	102	3/4	9,734	3/4	21,721	3/4	33,690	3/4	45,668	3/4	57,654	3/4	69,641	3/4	81,627	3/4	93,614	3/4	105,601
1	123	1	9,984	1	21,970	1	33,939	1	45,917	1	57,904	1	69,891	1	81,877	1	93,864	1	105,850
1/4	185	1/4	10,234	1/4	22,220	1/4	34,188	1/4	46,167	1/4	58,154	1/4	70,140	1/4	82,127	1/4	94,114	1/4	106,100
1/2	248	1/2	10,484	1/2	22,470	1/2	34,437	1/2	46,417	1/2	58,403	1/2	70,390	1/2	82,377	1/2	94,363	1/2	106,350
3/4	310	3/4	10,733	3/4	22,719	3/4	34,686	3/4	46,667	3/4	58,653	3/4	70,640	3/4	82,626	3/4	94,613	3/4	106,600
2	372	2	10,983	2	22,969	2	34,935	2	46,916	2	58,903	2	70,889	2	82,876	2	94,863	2	106,849
1/4	476	1/4	11,233	1/4	23,219	1/4	35,184	1/4	47,166	1/4	59,153	1/4	71,139	1/4	83,126	1/4	95,112	1/4	107,099
1/2	580	1/2	11,482	1/2	23,469	1/2	35,433	1/2	47,416	1/2	59,402	1/2	71,389	1/2	83,376	1/2	95,362	1/2	107,349
3/4	684	3/4	11,732	3/4	23,718	3/4	35,682	3/4	47,665	3/4	59,652	3/4	71,639	3/4	83,625	3/4	95,612	3/4	107,598
3	789	3	11,982	3	23,968	3	35,931	3	47,915	3	59,902	3	71,888	3	83,875	3	95,862	3	107,848
1/4	934	1/4	12,232	1/4	24,218	1/4	36,180	1/4	48,165	1/4	60,152	1/4	72,138	1/4	84,125	1/4	96,111	1/4	108,098
1/2	1,080	1/2	12,481	1/2	24,467	1/2	36,429	1/2	48,415	1/2	60,401	1/2	72,388	1/2	84,374	1/2	96,361	1/2	108,348
3/4	1,225	3/4	12,731	3/4	24,717	3/4	36,678	3/4	48,664	3/4	60,651	3/4	72,638	3/4	84,624	3/4	96,611	3/4	108,597
4	1,371	4	12,981	4	24,967	4	36,927	4	48,914	4	60,901	4	72,887	4	84,874	4	96,860	4	108,847
1/4	1,558	1/4	13,230	1/4	25,217	1/4	37,177	1/4	49,164	1/4	61,150	1/4	73,137	1/4	85,124	1/4	97,110	1/4	109,097
1/2	1,746	1/2	13,480	1/2	25,466	1/2	37,427	1/2	49,414	1/2	61,400	1/2	73,387	1/2	85,373	1/2	97,360	1/2	109,347
3/4	1,933	3/4	13,730	3/4	25,716	3/4	37,677	3/4	49,663	3/4	61,650	3/4	73,636	3/4	85,623	3/4	97,610	3/4	109,596
5	2,120	5	13,980	5	25,966	5	37,926	5	49,913	5	61,900	5	73,886	5	85,873	5	97,859	5	109,846
1/4	2,349	1/4	14,229	1/4	26,215	1/4	38,176	1/4	50,163	1/4	62,149	1/4	74,136	1/4	86,122	1/4	98,109	1/4	110,096
1/2	2,577	1/2	14,479	1/2	26,465	1/2	38,426	1/2	50,412	1/2	62,399	1/2	74,386	1/2	86,372	1/2	98,359	1/2	110,345
3/4	2,805	3/4	14,729	3/4	26,715	3/4	38,676	3/4	50,662	3/4	62,649	3/4	74,635	3/4	86,622	3/4	98,609	3/4	110,595
6	3,033	6	14,978	6	26,965	6	38,925	6	50,912	6	62,898	6	74,885	6	86,872	6	98,858	6	110,845
1/4	3,278	1/4	15,228	1/4	27,214	1/4	39,175	1/4	51,162	1/4	63,148	1/4	75,135	1/4	87,121	1/4	99,108	1/4	111,095
1/2	3,523	1/2	15,478	1/2	27,463	1/2	39,425	1/2	51,411	1/2	63,398	1/2	75,384	1/2	87,371	1/2	99,358	1/2	111,344
3/4	3,767	3/4	15,728	3/4	27,713	3/4	39,674	3/4	51,661	3/4	63,648	3/4	75,634	3/4	87,621	3/4	99,607	3/4	111,594
7	4,012	7	15,977	7	27,962	7	39,924	7	51,911	7	63,897	7	75,884	7	87,871	7	99,857	7	111,844
1/4	4,259	1/4	16,227	1/4	28,211	1/4	40,174	1/4	52,160	1/4	64,147	1/4	76,134	1/4	88,120	1/4	100,107	1/4	112,093
1/2	4,506	1/2	16,477	1/2	28,461	1/2	40,424	1/2	52,410	1/2	64,397	1/2	76,383	1/2	88,370	1/2	100,357	1/2	112,343
3/4	4,753	3/4	16,726	3/4	28,710	3/4	40,673	3/4	52,660	3/4	64,646	3/4	76,633	3/4	88,620	3/4	100,606	3/4	112,593
8	5,000	8	16,976	8	28,959	8	40,923	8	52,910	8	64,896	8	76,883	8	88,869	8	100,856	8	112,843
1/4	5,248	1/4	17,226	1/4	29,208	1/4	41,173	1/4	53,159	1/4	65,146	1/4	77,133	1/4	89,119	1/4	101,106	1/4	113,092
1/2	5,496	1/2	17,476	1/2	29,457	1/2	41,422	1/2	53,409	1/2	65,396	1/2	77,382	1/2	89,369	1/2	101,355	1/2	113,342
3/4	5,744	3/4	17,725	3/4	29,706	3/4	41,672	3/4	53,659	3/4	65,645	3/4	77,632	3/4	89,619	3/4	101,605	3/4	113,592
9	5,993	9	17,975	9	29,955	9	41,922	9	53,908	9	65,895	9	77,882	9	89,868	9	101,855	9	113,841
1/4	6,242	1/4	18,225	1/4	30,204	1/4	42,172	1/4	54,158	1/4	66,145	1/4	78,131	1/4	90,118	1/4	102,105	1/4	114,091
1/2	6,491	1/2	18,474	1/2	30,453	1/2	42,421	1/2	54,408	1/2	66,395	1/2	78,381	1/2	90,368	1/2	102,354	1/2	114,341
3/4	6,740	3/4	18,724	3/4	30,702	3/4	42,671	3/4	54,658	3/4	66,644	3/4	78,631	3/4	90,617	3/4	102,604	3/4	114,591
10	6,989	10	18,974	10	30,951	10	42,921	10	54,907	10	66,894	10	78,881	10	90,867	10	102,854	10	114,840
1/4	7,238	1/4	19,224	1/4	31,200	1/4	43,170	1/4	55,157	1/4	67,144	1/4	79,130	1/4	91,117	1/4	103,103	1/4	115,090
1/2	7,488	1/2	19,473	1/2	31,449	1/2	43,420	1/2	55,407	1/2	67,393	1/2	79,380	1/2	91,367	1/2	103,353	1/2	115,340
3/4	7,737	3/4	19,723	3/4	31,698	3/4	43,670	3/4	55,657	3/4	67,643	3/4	79,630	3/4	91,616	3/4	103,603	3/4	115,590
11	7,987	11	19,973	11	31,947	11	43,920	11	55,906	11	67,893	11	79,879	11	91,866	11	103,853	11	115,839
1/4	8,236	1/4	20,222	1/4	32,196	1/4	44,169	1/4	56,156	1/4	68,143	1/4	80,129	1/4	92,116	1/4	104,102	1/4	116,089
1/2	8,486	1/2	20,472	1/2	32,445	1/2	44,419	1/2	56,406	1/2	68,392	1/2	80,379	1/2	92,365	1/2	104,352	1/2	116,339
3/4	8,736	3/4	20,722	3/4	32,694	3/4	44,669	3/4	56,655	3/4	68,642	3/4	80,629	3/4	92,615	3/4	104,602	3/4	116,588

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
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1411"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 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	116,838	0	128,825	0	140,811	0	152,798	0	164,785	0		0		0		0		0	
1/4	117,088	1/4	129,074	1/4	141,061	1/4	153,048	1/4	165,034	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	117,338	1/2	129,324	1/2	141,311	1/2	153,297	1/2	165,284	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	117,587	3/4	129,574	3/4	141,560	3/4	153,547	3/4	165,534	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	117,837	1	129,824	1	141,810	1	153,797	1	165,783	1	1	1	1	1	1	1	1	1	1
1/4	118,087	1/4	130,073	1/4	142,060	1/4	154,047	1/4	166,033	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,336	1/2	130,323	1/2	142,310	1/2	154,296	1/2	166,283	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	118,586	3/4	130,573	3/4	142,559	3/4	154,546	3/4	166,533	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	118,836	2	130,822	2	142,809	2	154,796	2	166,782	2	2	2	2	2	2	2	2	2	2
1/4	119,086	1/4	131,072	1/4	143,059	1/4	155,045	1/4	167,032	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,335	1/2	131,322	1/2	143,309	1/2	155,295	1/2	167,282	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,585	3/4	131,572	3/4	143,558	3/4	155,545	3/4	167,531	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	119,835	3	131,821	3	143,808	3	155,795	3	167,781	3	3	3	3	3	3	3	3	3	3
1/4	120,084	1/4	132,071	1/4	144,058	1/4	156,044	1/4	168,010	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	120,334	1/2	132,321	1/2	144,307	1/2	156,294	1/2	168,239	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	120,584	3/4	132,571	3/4	144,557	3/4	156,544	3/4	168,468	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	120,834	4	132,820	4	144,807	4	156,793	4	168,697	4	4	4	4	4	4	4	4	4	4
1/4	121,083	1/4	133,070	1/4	145,057	1/4	157,043	1/4	168,884	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	121,333	1/2	133,320	1/2	145,306	1/2	157,293	1/2	169,071	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	121,583	3/4	133,569	3/4	145,556	3/4	157,543	3/4	169,259	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	121,833	5	133,819	5	145,806	5	157,792	5	169,446	5	5	5	5	5	5	5	5	5	5
1/4	122,082	1/4	134,069	1/4	146,055	1/4	158,042	1/4	169,592	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	122,332	1/2	134,319	1/2	146,305	1/2	158,292	1/2	169,737	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	122,582	3/4	134,568	3/4	146,555	3/4	158,541	3/4	169,883	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	122,831	6	134,818	6	146,805	6	158,791	6	170,029	6	6	6	6	6	6	6	6	6	6
1/4	123,081	1/4	135,068	1/4	147,054	1/4	159,041	1/4	170,133	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	123,331	1/2	135,317	1/2	147,304	1/2	159,291	1/2	170,237	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	123,581	3/4	135,567	3/4	147,554	3/4	159,540	3/4	170,341	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	123,830	7	135,817	7	147,804	7	159,790	7	170,445	7	7	7	7	7	7	7	7	7	7
1/4	124,080	1/4	136,067	1/4	148,053	1/4	160,040	1/4	170,507	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	124,330	1/2	136,316	1/2	148,303	1/2	160,290	1/2	170,570	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	124,579	3/4	136,566	3/4	148,553	3/4	160,539	3/4	170,632	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	124,829	8	136,816	8	148,802	8	160,789	8	170,695	8	8	8	8	8	8	8	8	8	8
1/4	125,079	1/4	137,066	1/4	149,052	1/4	161,039	1/4	170,715	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	125,329	1/2	137,315	1/2	149,302	1/2	161,288	1/2	170,736	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	125,578	3/4	137,565	3/4	149,552	3/4	161,538	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	125,828	9	137,815	9	149,801	9	161,788	9		9	9	9	9	9	9	9	9	9	9
1/4	126,078	1/4	138,064	1/4	150,051	1/4	162,038	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	126,328	1/2	138,314	1/2	150,301	1/2	162,287	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	126,577	3/4	138,564	3/4	150,550	3/4	162,537	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	126,827	10	138,814	10	150,800	10	162,787	10		10	10	10	10	10	10	10	10	10	10
1/4	127,077	1/4	139,063	1/4	151,050	1/4	163,036	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	127,326	1/2	139,313	1/2	151,300	1/2	163,286	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	127,576	3/4	139,563	3/4	151,549	3/4	163,536	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	127,826	11	139,812	11	151,799	11	163,786	11		11	11	11	11	11	11	11	11	11	11
1/4	128,076	1/4	140,062	1/4	152,049	1/4	164,035	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	128,325	1/2	140,312	1/2	152,298	1/2	164,285	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	128,575	3/4	140,562	3/4	152,548	3/4	164,535	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/10/2019 SW - JS
CALCULATED: 05/11/2019 CL
PRINTED: 05/12/2019 SW

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019



BARGE "CBC 1411"

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: 178'-06"

May 10, 2019

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588

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BARGE "CBC 1411"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	151,558	1/4	144,292	1/4	136,166	1/4	128,040	1/4	119,923	1/4	109,361	1/4	97,766	1/4	86,172
		1/2		1/2	151,538	1/2	144,123	1/2	135,997	1/2	127,871	1/2	119,754	1/2	109,119	1/2	97,525	1/2	85,930
		3/4		3/4	151,518	3/4	143,954	3/4	135,828	3/4	127,702	3/4	119,585	3/4	108,878	3/4	97,283	3/4	85,689
1	1	1	1	1	151,457	1	143,784	1	135,658	1	127,533	1	119,416	1	108,636	1	97,042	1	85,447
		1/4		1/4	151,397	1/4	143,615	1/4	135,489	1/4	127,363	1/4	119,248	1/4	108,395	1/4	96,800	1/4	85,206
		1/2		1/2	151,336	1/2	143,446	1/2	135,320	1/2	127,194	1/2	119,079	1/2	108,153	1/2	96,559	1/2	84,964
		3/4		3/4	151,276	3/4	143,277	3/4	135,151	3/4	127,025	3/4	118,910	3/4	107,912	3/4	96,317	3/4	84,722
2	2	2	2	2	151,175	2	143,107	2	134,981	2	126,855	2	118,741	2	107,670	2	96,076	2	84,481
		1/4		1/4	151,074	1/4	142,938	1/4	134,812	1/4	126,686	1/4	118,573	1/4	107,428	1/4	95,834	1/4	84,239
		1/2		1/2	150,973	1/2	142,769	1/2	134,643	1/2	126,517	1/2	118,404	1/2	107,187	1/2	95,592	1/2	83,998
		3/4		3/4	150,872	3/4	142,599	3/4	134,473	3/4	126,348	3/4	118,235	3/4	106,945	3/4	95,351	3/4	83,756
3	3	3	3	3	150,731	3	142,430	3	134,304	3	126,178	3	118,067	3	106,704	3	95,109	3	83,515
		1/4		1/4	150,590	1/4	142,261	1/4	134,135	1/4	126,009	1/4	117,899	1/4	106,462	1/4	94,868	1/4	83,273
		1/2		1/2	150,449	1/2	142,091	1/2	133,966	1/2	125,840	1/2	117,731	1/2	106,221	1/2	94,626	1/2	83,032
		3/4		3/4	150,307	3/4	141,922	3/4	133,796	3/4	125,670	3/4	117,562	3/4	105,979	3/4	94,385	3/4	82,790
4	4	4	4	4	150,126	4	141,753	4	133,627	4	125,501	4	117,321	4	105,738	4	94,143	4	82,549
		1/4		1/4	149,944	1/4	141,584	1/4	133,458	1/4	125,332	1/4	117,080	1/4	105,496	1/4	93,902	1/4	82,308
		1/2		1/2	149,763	1/2	141,414	1/2	133,288	1/2	125,163	1/2	116,839	1/2	105,254	1/2	93,660	1/2	82,068
		3/4		3/4	149,581	3/4	141,245	3/4	133,119	3/4	124,993	3/4	116,598	3/4	105,013	3/4	93,418	3/4	81,827
5	5	5	5	5	149,359	5	141,076	5	132,950	5	124,824	5	116,357	5	104,771	5	93,177	5	81,587
		1/4		1/4	149,138	1/4	140,906	1/4	132,781	1/4	124,655	1/4	116,116	1/4	104,530	1/4	92,935	1/4	81,347
		1/2		1/2	148,916	1/2	140,737	1/2	132,611	1/2	124,485	1/2	115,875	1/2	104,288	1/2	92,694	1/2	81,106
		3/4		3/4	148,694	3/4	140,568	3/4	132,442	3/4	124,316	3/4	115,634	3/4	104,047	3/4	92,452	3/4	80,866
6	6	6	6	6	148,524	6	140,399	6	132,273	6	124,147	6	115,393	6	103,805	6	92,211	6	80,626
		1/4		1/4	148,355	1/4	140,229	1/4	132,103	1/4	123,978	1/4	115,152	1/4	103,564	1/4	91,969	1/4	80,386
		1/2		1/2	148,186	1/2	140,060	1/2	131,934	1/2	123,808	1/2	114,911	1/2	103,322	1/2	91,728	1/2	80,146
		3/4		3/4	148,017	3/4	139,891	3/4	131,765	3/4	123,639	3/4	114,670	3/4	103,081	3/4	91,486	3/4	79,906
7	7	7	7	7	147,847	7	139,721	7	131,596	7	123,470	7	114,429	7	102,839	7	91,245	7	79,666
		1/4		1/4	147,678	1/4	139,552	1/4	131,426	1/4	123,300	1/4	114,189	1/4	102,597	1/4	91,003	1/4	79,426
		1/2		1/2	147,509	1/2	139,383	1/2	131,257	1/2	123,131	1/2	113,948	1/2	102,356	1/2	90,761	1/2	79,186
		3/4		3/4	147,339	3/4	139,214	3/4	131,088	3/4	122,962	3/4	113,707	3/4	102,114	3/4	90,520	3/4	78,946
8	8	8	8	8	147,170	8	139,044	8	130,918	8	122,792	8	113,466	8	101,873	8	90,278	8	78,705
		1/4		1/4	147,001	1/4	138,875	1/4	130,749	1/4	122,623	1/4	113,225	1/4	101,631	1/4	90,037	1/4	78,465
		1/2		1/2	146,832	1/2	138,706	1/2	130,580	1/2	122,454	1/2	112,984	1/2	101,390	1/2	89,795	1/2	78,225
		3/4		3/4	146,662	3/4	138,536	3/4	130,411	3/4	122,285	3/4	112,743	3/4	101,148	3/4	89,554	3/4	77,985
9	9	9	9	9	146,493	9	138,367	9	130,241	9	122,116	9	112,501	9	100,907	9	89,312	9	77,745
		1/4		1/4	146,324	1/4	138,198	1/4	130,072	1/4	121,947	1/4	112,259	1/4	100,665	1/4	89,071	1/4	77,505
		1/2		1/2	146,154	1/2	138,029	1/2	129,903	1/2	121,778	1/2	112,018	1/2	100,423	1/2	88,829	1/2	77,265
		3/4		3/4	145,985	3/4	137,859	3/4	129,733	3/4	121,610	3/4	111,776	3/4	100,182	3/4	88,587	3/4	77,025
10	10	10	10	10	145,816	10	137,690	10	129,564	10	121,441	10	111,535	10	99,940	10	88,346	10	76,785
		1/4		1/4	145,647	1/4	137,521	1/4	129,395	1/4	121,272	1/4	111,293	1/4	99,699	1/4	88,104	1/4	76,544
		1/2		1/2	145,477	1/2	137,351	1/2	129,225	1/2	121,104	1/2	111,052	1/2	99,457	1/2	87,863	1/2	76,304
		3/4		3/4	145,308	3/4	137,182	3/4	129,056	3/4	120,935	3/4	110,810	3/4	99,216	3/4	87,621	3/4	76,064
11	11	11	11	11	145,139	11	137,013	11	128,887	11	120,766	11	110,569	11	98,974	11	87,380	11	75,824
		1/4		1/4	144,969	1/4	136,844	1/4	128,718	1/4	120,597	1/4	110,327	1/4	98,733	1/4	87,138	1/4	75,584
		1/2		1/2	144,800	1/2	136,674	1/2	128,548	1/2	120,429	1/2	110,085	1/2	98,491	1/2	86,897	1/2	75,344
		3/4		3/4	144,631	3/4	136,505	3/4	128,379	3/4	120,260	3/4	109,844	3/4	98,250	3/4	86,655	3/4	75,104

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 1411"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 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	74,863	0	63,279	0	51,689	0	40,100	0	28,718	0	17,182	0	5,569	0		0		0	
1/4	74,622	1/4	63,038	1/4	51,448	1/4	39,858	1/4	28,483	1/4	16,940	1/4	5,329	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,381	1/2	62,797	1/2	51,207	1/2	39,617	1/2	28,249	1/2	16,698	1/2	5,088	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,140	3/4	62,555	3/4	50,965	3/4	39,375	3/4	28,015	3/4	16,456	3/4	4,848	3/4	3/4	3/4	3/4	3/4	3/4
1	73,899	1	62,314	1	50,724	1	39,134	1	27,780	1	16,214	1	4,608	1	1	1	1	1	1
1/4	73,659	1/4	62,072	1/4	50,482	1/4	38,892	1/4	27,545	1/4	15,972	1/4	4,369	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,418	1/2	61,831	1/2	50,241	1/2	38,651	1/2	27,311	1/2	15,730	1/2	4,130	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,177	3/4	61,589	3/4	49,999	3/4	38,409	3/4	27,076	3/4	15,488	3/4	3,890	3/4	3/4	3/4	3/4	3/4	3/4
2	72,936	2	61,348	2	49,758	2	38,168	2	26,841	2	15,246	2	3,653	2	2	2	2	2	2
1/4	72,695	1/4	61,106	1/4	49,516	1/4	37,926	1/4	26,607	1/4	15,004	1/4	3,416	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,454	1/2	60,865	1/2	49,275	1/2	37,685	1/2	26,372	1/2	14,762	1/2	3,179	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,213	3/4	60,623	3/4	49,033	3/4	37,443	3/4	26,137	3/4	14,520	3/4	2,941	3/4	3/4	3/4	3/4	3/4	3/4
3	71,972	3	60,382	3	48,792	3	37,202	3	25,895	3	14,278	3	2,720	3	3	3	3	3	3
1/4	71,730	1/4	60,140	1/4	48,551	1/4	36,961	1/4	25,653	1/4	14,035	1/4	2,499	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,489	1/2	59,899	1/2	48,309	1/2	36,719	1/2	25,411	1/2	13,793	1/2	2,278	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,248	3/4	59,658	3/4	48,068	3/4	36,478	3/4	25,169	3/4	13,551	3/4	2,057	3/4	3/4	3/4	3/4	3/4	3/4
4	71,006	4	59,416	4	47,826	4	36,236	4	24,927	4	13,309	4	1,875	4	4	4	4	4	4
1/4	70,765	1/4	59,175	1/4	47,585	1/4	35,995	1/4	24,685	1/4	13,067	1/4	1,694	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,523	1/2	58,933	1/2	47,343	1/2	35,753	1/2	24,443	1/2	12,825	1/2	1,512	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,282	3/4	58,692	3/4	47,102	3/4	35,512	3/4	24,201	3/4	12,583	3/4	1,331	3/4	3/4	3/4	3/4	3/4	3/4
5	70,040	5	58,450	5	46,860	5	35,278	5	23,959	5	12,341	5	1,189	5	5	5	5	5	5
1/4	69,799	1/4	58,209	1/4	46,619	1/4	35,043	1/4	23,717	1/4	12,099	1/4	1,048	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,557	1/2	57,967	1/2	46,377	1/2	34,809	1/2	23,475	1/2	11,857	1/2	907	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,316	3/4	57,726	3/4	46,136	3/4	34,575	3/4	23,233	3/4	11,615	3/4	766	3/4	3/4	3/4	3/4	3/4	3/4
6	69,074	6	57,484	6	45,894	6	34,340	6	22,991	6	11,373	6	665	6	6	6	6	6	6
1/4	68,833	1/4	57,243	1/4	45,653	1/4	34,106	1/4	22,749	1/4	11,131	1/4	564	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,591	1/2	57,002	1/2	45,412	1/2	33,872	1/2	22,507	1/2	10,889	1/2	463	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,350	3/4	56,760	3/4	45,170	3/4	33,638	3/4	22,265	3/4	10,647	3/4	363	3/4	3/4	3/4	3/4	3/4	3/4
7	68,109	7	56,519	7	44,929	7	33,403	7	22,023	7	10,405	7	302	7	7	7	7	7	7
1/4	67,867	1/4	56,277	1/4	44,687	1/4	33,169	1/4	21,781	1/4	10,163	1/4	242	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,626	1/2	56,036	1/2	44,446	1/2	32,935	1/2	21,539	1/2	9,921	1/2	181	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,384	3/4	55,794	3/4	44,204	3/4	32,700	3/4	21,297	3/4	9,679	3/4	121	3/4	3/4	3/4	3/4	3/4	3/4
8	67,143	8	55,553	8	43,963	8	32,466	8	21,055	8	9,437	8	100	8	8	8	8	8	8
1/4	66,901	1/4	55,311	1/4	43,721	1/4	32,232	1/4	20,813	1/4	9,195	1/4	80	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,660	1/2	55,070	1/2	43,480	1/2	31,998	1/2	20,571	1/2	8,953	1/2	60	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,418	3/4	54,828	3/4	43,238	3/4	31,763	3/4	20,329	3/4	8,711	3/4	39	3/4	3/4	3/4	3/4	3/4	3/4
9	66,177	9	54,587	9	42,997	9	31,529	9	20,086	9	8,469	9		9	9	9	9	9	9
1/4	65,935	1/4	54,346	1/4	42,756	1/4	31,295	1/4	19,844	1/4	8,227	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,694	1/2	54,104	1/2	42,514	1/2	31,060	1/2	19,602	1/2	7,985	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,453	3/4	53,863	3/4	42,273	3/4	30,826	3/4	19,360	3/4	7,743	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	65,211	10	53,621	10	42,031	10	30,592	10	19,118	10	7,501	10		10	10	10	10	10	10
1/4	64,970	1/4	53,380	1/4	41,790	1/4	30,358	1/4	18,876	1/4	7,259	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,728	1/2	53,138	1/2	41,548	1/2	30,123	1/2	18,634	1/2	7,017	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,487	3/4	52,897	3/4	41,307	3/4	29,889	3/4	18,392	3/4	6,775	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	64,245	11	52,655	11	41,065	11	29,655	11	18,150	11	6,534	11		11	11	11	11	11	11
1/4	64,004	1/4	52,414	1/4	40,824	1/4	29,421	1/4	17,908	1/4	6,293	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,762	1/2	52,172	1/2	40,582	1/2	29,186	1/2	17,666	1/2	6,051	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,521	3/4	51,931	3/4	40,341	3/4	28,952	3/4	17,424	3/4	5,810	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/10/2019 SW - JS
CALCULATED: 05/11/2019 CL
PRINTED: 05/12/2019 SW

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019



BARGE "CBC 1411"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

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
							181,113		167,672		154,232		140,791		127,350		113,909		100,469
1/4	1/4	1/4	1/4	1/4	1/4	1/4	180,833	1/4	167,392	1/4	153,952	1/4	140,511	1/4	127,070	1/4	113,629	1/4	100,189
1/2	1/2	1/2	1/2	1/2	191,147	1/2	180,553	1/2	167,112	1/2	153,672	1/2	140,231	1/2	126,790	1/2	113,349	1/2	99,909
3/4	3/4	3/4	3/4	3/4	191,124	3/4	180,273	3/4	166,832	3/4	153,392	3/4	139,951	3/4	126,510	3/4	113,069	3/4	99,629
1	1	1	1	1	191,100	1	179,993	1	166,552	1	153,112	1	139,671	1	126,230	1	112,789	1	99,348
1/4	1/4	1/4	1/4	1/4	191,030	1/4	179,713	1/4	166,272	1/4	152,832	1/4	139,391	1/4	125,950	1/4	112,509	1/4	99,068
1/2	1/2	1/2	1/2	1/2	190,960	1/2	179,433	1/2	165,992	1/2	152,552	1/2	139,111	1/2	125,670	1/2	112,229	1/2	98,788
3/4	3/4	3/4	3/4	3/4	190,890	3/4	179,153	3/4	165,712	3/4	152,271	3/4	138,831	3/4	125,390	3/4	111,949	3/4	98,508
2	2	2	2	2	190,820	2	178,873	2	165,432	2	151,991	2	138,551	2	125,110	2	111,669	2	98,228
1/4	1/4	1/4	1/4	1/4	190,704	1/4	178,593	1/4	165,152	1/4	151,711	1/4	138,271	1/4	124,830	1/4	111,389	1/4	97,948
1/2	1/2	1/2	1/2	1/2	190,587	1/2	178,313	1/2	164,872	1/2	151,431	1/2	137,991	1/2	124,550	1/2	111,109	1/2	97,668
3/4	3/4	3/4	3/4	3/4	190,470	3/4	178,033	3/4	164,592	3/4	151,151	3/4	137,711	3/4	124,270	3/4	110,829	3/4	97,388
3	3	3	3	3	190,354	3	177,753	3	164,312	3	150,871	3	137,431	3	123,990	3	110,549	3	97,108
1/4	1/4	1/4	1/4	1/4	190,190	1/4	177,473	1/4	164,032	1/4	150,591	1/4	137,151	1/4	123,710	1/4	110,269	1/4	96,828
1/2	1/2	1/2	1/2	1/2	190,027	1/2	177,193	1/2	163,752	1/2	150,311	1/2	136,871	1/2	123,430	1/2	109,989	1/2	96,548
3/4	3/4	3/4	3/4	3/4	189,864	3/4	176,913	3/4	163,472	3/4	150,031	3/4	136,591	3/4	123,150	3/4	109,709	3/4	96,268
4	4	4	4	4	189,700	4	176,633	4	163,192	4	149,751	4	136,311	4	122,870	4	109,429	4	95,988
1/4	1/4	1/4	1/4	1/4	189,490	1/4	176,353	1/4	162,912	1/4	149,471	1/4	136,031	1/4	122,590	1/4	109,149	1/4	95,708
1/2	1/2	1/2	1/2	1/2	189,280	1/2	176,073	1/2	162,632	1/2	149,191	1/2	135,751	1/2	122,310	1/2	108,869	1/2	95,428
3/4	3/4	3/4	3/4	3/4	189,070	3/4	175,793	3/4	162,352	3/4	148,911	3/4	135,471	3/4	122,030	3/4	108,589	3/4	95,148
5	5	5	5	5	188,860	5	175,513	5	162,072	5	148,631	5	135,191	5	121,750	5	108,309	5	94,868
1/4	1/4	1/4	1/4	1/4	188,604	1/4	175,233	1/4	161,792	1/4	148,351	1/4	134,911	1/4	121,470	1/4	108,029	1/4	94,588
1/2	1/2	1/2	1/2	1/2	188,347	1/2	174,953	1/2	161,512	1/2	148,071	1/2	134,630	1/2	121,190	1/2	107,749	1/2	94,308
3/4	3/4	3/4	3/4	3/4	188,090	3/4	174,673	3/4	161,232	3/4	147,791	3/4	134,350	3/4	120,910	3/4	107,469	3/4	94,028
6	6	6	6	6	187,834	6	174,393	6	160,952	6	147,511	6	134,070	6	120,630	6	107,189	6	93,748
1/4	1/4	1/4	1/4	1/4	187,554	1/4	174,113	1/4	160,672	1/4	147,231	1/4	133,790	1/4	120,350	1/4	106,909	1/4	93,468
1/2	1/2	1/2	1/2	1/2	187,273	1/2	173,833	1/2	160,392	1/2	146,951	1/2	133,510	1/2	120,070	1/2	106,629	1/2	93,188
3/4	3/4	3/4	3/4	3/4	186,993	3/4	173,553	3/4	160,112	3/4	146,671	3/4	133,230	3/4	119,790	3/4	106,349	3/4	92,908
7	7	7	7	7	186,713	7	173,273	7	159,832	7	146,391	7	132,950	7	119,510	7	106,069	7	92,628
1/4	1/4	1/4	1/4	1/4	186,433	1/4	172,993	1/4	159,552	1/4	146,111	1/4	132,670	1/4	119,230	1/4	105,789	1/4	92,348
1/2	1/2	1/2	1/2	1/2	186,153	1/2	172,713	1/2	159,272	1/2	145,831	1/2	132,390	1/2	118,950	1/2	105,509	1/2	92,068
3/4	3/4	3/4	3/4	3/4	185,873	3/4	172,433	3/4	158,992	3/4	145,551	3/4	132,110	3/4	118,670	3/4	105,229	3/4	91,788
8	8	8	8	8	185,593	8	172,153	8	158,712	8	145,271	8	131,830	8	118,390	8	104,949	8	91,508
1/4	1/4	1/4	1/4	1/4	185,313	1/4	171,873	1/4	158,432	1/4	144,991	1/4	131,550	1/4	118,110	1/4	104,669	1/4	91,228
1/2	1/2	1/2	1/2	1/2	185,033	1/2	171,593	1/2	158,152	1/2	144,711	1/2	131,270	1/2	117,830	1/2	104,389	1/2	90,948
3/4	3/4	3/4	3/4	3/4	184,753	3/4	171,313	3/4	157,872	3/4	144,431	3/4	130,990	3/4	117,550	3/4	104,109	3/4	90,668
9	9	9	9	9	184,473	9	171,033	9	157,592	9	144,151	9	130,710	9	117,270	9	103,829	9	90,388
1/4	1/4	1/4	1/4	1/4	184,193	1/4	170,753	1/4	157,312	1/4	143,871	1/4	130,430	1/4	116,989	1/4	103,549	1/4	90,108
1/2	1/2	1/2	1/2	1/2	183,913	1/2	170,473	1/2	157,032	1/2	143,591	1/2	130,150	1/2	116,709	1/2	103,269	1/2	89,828
3/4	3/4	3/4	3/4	3/4	183,633	3/4	170,193	3/4	156,752	3/4	143,311	3/4	129,870	3/4	116,429	3/4	102,989	3/4	89,548
10	10	10	10	10	183,353	10	169,913	10	156,472	10	143,031	10	129,590	10	116,149	10	102,709	10	89,268
1/4	1/4	1/4	1/4	1/4	183,073	1/4	169,632	1/4	156,192	1/4	142,751	1/4	129,310	1/4	115,869	1/4	102,429	1/4	88,988
1/2	1/2	1/2	1/2	1/2	182,793	1/2	169,352	1/2	155,912	1/2	142,471	1/2	129,030	1/2	115,589	1/2	102,149	1/2	88,708
3/4	3/4	3/4	3/4	3/4	182,513	3/4	169,072	3/4	155,632	3/4	142,191	3/4	128,750	3/4	115,309	3/4	101,869	3/4	88,428
11	11	11	11	11	182,233	11	168,792	11	155,352	11	141,911	11	128,470	11	115,029	11	101,589	11	88,148
1/4	1/4	1/4	1/4	1/4	181,953	1/4	168,512	1/4	155,072	1/4	141,631	1/4	128,190	1/4	114,749	1/4	101,309	1/4	87,868
1/2	1/2	1/2	1/2	1/2	181,673	1/2	168,232	1/2	154,792	1/2	141,351	1/2	127,910	1/2	114,469	1/2	101,029	1/2	87,588
3/4	3/4	3/4	3/4	3/4	181,393	3/4	167,952	3/4	154,512	3/4	141,071	3/4	127,630	3/4	114,189	3/4	100,749	3/4	87,308

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.

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 1411"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

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	87,028	0	73,587	0	60,146	0	46,706	0	33,526	0	20,150	0	6,714	0		0		0	
1/4	86,748	1/4	73,307	1/4	59,866	1/4	46,425	1/4	33,255	1/4	19,870	1/4	6,436	1/4	1/4		1/4		1/4
1/2	86,468	1/2	73,027	1/2	59,586	1/2	46,145	1/2	32,983	1/2	19,590	1/2	6,158	1/2	1/2		1/2		1/2
3/4	86,188	3/4	72,747	3/4	59,306	3/4	45,865	3/4	32,711	3/4	19,310	3/4	5,879	3/4	3/4		3/4		3/4
1	85,908	1	72,467	1	59,026	1	45,585	1	32,439	1	19,030	1	5,601	1	1		1		1
1/4	85,628	1/4	72,187	1/4	58,746	1/4	45,305	1/4	32,167	1/4	18,750	1/4	5,324	1/4	1/4		1/4		1/4
1/2	85,348	1/2	71,907	1/2	58,466	1/2	45,025	1/2	31,895	1/2	18,470	1/2	5,047	1/2	1/2		1/2		1/2
3/4	85,068	3/4	71,627	3/4	58,186	3/4	44,745	3/4	31,623	3/4	18,190	3/4	4,771	3/4	3/4		3/4		3/4
2	84,788	2	71,347	2	57,906	2	44,465	2	31,351	2	17,910	2	4,494	2	2		2		2
1/4	84,508	1/4	71,067	1/4	57,626	1/4	44,185	1/4	31,071	1/4	17,630	1/4	4,219	1/4	1/4		1/4		1/4
1/2	84,228	1/2	70,787	1/2	57,346	1/2	43,905	1/2	30,791	1/2	17,350	1/2	3,945	1/2	1/2		1/2		1/2
3/4	83,948	3/4	70,507	3/4	57,066	3/4	43,625	3/4	30,511	3/4	17,070	3/4	3,670	3/4	3/4		3/4		3/4
3	83,668	3	70,227	3	56,786	3	43,345	3	30,231	3	16,790	3	3,396	3	3		3		3
1/4	83,388	1/4	69,947	1/4	56,506	1/4	43,065	1/4	29,951	1/4	16,510	1/4	3,140	1/4	1/4		1/4		1/4
1/2	83,108	1/2	69,667	1/2	56,226	1/2	42,785	1/2	29,671	1/2	16,230	1/2	2,884	1/2	1/2		1/2		1/2
3/4	82,828	3/4	69,387	3/4	55,946	3/4	42,505	3/4	29,391	3/4	15,950	3/4	2,628	3/4	3/4		3/4		3/4
4	82,548	4	69,107	4	55,666	4	42,225	4	29,111	4	15,670	4	2,372	4	4		4		4
1/4	82,268	1/4	68,827	1/4	55,386	1/4	41,953	1/4	28,831	1/4	15,390	1/4	2,162	1/4	1/4		1/4		1/4
1/2	81,988	1/2	68,547	1/2	55,106	1/2	41,681	1/2	28,551	1/2	15,110	1/2	1,952	1/2	1/2		1/2		1/2
3/4	81,707	3/4	68,267	3/4	54,826	3/4	41,409	3/4	28,271	3/4	14,830	3/4	1,742	3/4	3/4		3/4		3/4
5	81,427	5	67,987	5	54,546	5	41,137	5	27,991	5	14,550	5	1,532	5	5		5		5
1/4	81,147	1/4	67,707	1/4	54,266	1/4	40,865	1/4	27,711	1/4	14,270	1/4	1,369	1/4	1/4		1/4		1/4
1/2	80,867	1/2	67,427	1/2	53,986	1/2	40,593	1/2	27,431	1/2	13,990	1/2	1,206	1/2	1/2		1/2		1/2
3/4	80,587	3/4	67,147	3/4	53,706	3/4	40,321	3/4	27,151	3/4	13,710	3/4	1,042	3/4	3/4		3/4		3/4
6	80,307	6	66,867	6	53,426	6	40,049	6	26,871	6	13,430	6	879	6	6		6		6
1/4	80,027	1/4	66,587	1/4	53,146	1/4	39,778	1/4	26,591	1/4	13,150	1/4	762	1/4	1/4		1/4		1/4
1/2	79,747	1/2	66,307	1/2	52,866	1/2	39,506	1/2	26,311	1/2	12,870	1/2	646	1/2	1/2		1/2		1/2
3/4	79,467	3/4	66,027	3/4	52,586	3/4	39,234	3/4	26,031	3/4	12,590	3/4	529	3/4	3/4		3/4		3/4
7	79,187	7	65,747	7	52,306	7	38,962	7	25,751	7	12,310	7	412	7	7		7		7
1/4	78,907	1/4	65,467	1/4	52,026	1/4	38,690	1/4	25,471	1/4	12,030	1/4	342	1/4	1/4		1/4		1/4
1/2	78,627	1/2	65,187	1/2	51,746	1/2	38,419	1/2	25,191	1/2	11,750	1/2	272	1/2	1/2		1/2		1/2
3/4	78,347	3/4	64,907	3/4	51,466	3/4	38,147	3/4	24,911	3/4	11,470	3/4	202	3/4	3/4		3/4		3/4
8	78,067	8	64,627	8	51,186	8	37,875	8	24,631	8	11,190	8	132	8	8		8		8
1/4	77,787	1/4	64,347	1/4	50,906	1/4	37,603	1/4	24,350	1/4	10,910	1/4	109	1/4	1/4		1/4		1/4
1/2	77,507	1/2	64,066	1/2	50,626	1/2	37,332	1/2	24,070	1/2	10,630	1/2	86	1/2	1/2		1/2		1/2
3/4	77,227	3/4	63,786	3/4	50,346	3/4	37,060	3/4	23,790	3/4	10,350	3/4	62	3/4	3/4		3/4		3/4
9	76,947	9	63,506	9	50,066	9	36,788	9	23,510	9	10,070	9	39	9	9		9		9
1/4	76,667	1/4	63,226	1/4	49,786	1/4	36,516	1/4	23,230	1/4	9,790	1/4		1/4	1/4		1/4		1/4
1/2	76,387	1/2	62,946	1/2	49,506	1/2	36,244	1/2	22,950	1/2	9,510	1/2		1/2	1/2		1/2		1/2
3/4	76,107	3/4	62,666	3/4	49,226	3/4	35,973	3/4	22,670	3/4	9,230	3/4		3/4	3/4		3/4		3/4
10	75,827	10	62,386	10	48,946	10	35,701	10	22,390	10	8,950	10		10	10		10		10
1/4	75,547	1/4	62,106	1/4	48,666	1/4	35,429	1/4	22,110	1/4	8,670	1/4		1/4	1/4		1/4		1/4
1/2	75,267	1/2	61,826	1/2	48,386	1/2	35,157	1/2	21,830	1/2	8,391	1/2		1/2	1/2		1/2		1/2
3/4	74,987	3/4	61,546	3/4	48,106	3/4	34,885	3/4	21,550	3/4	8,111	3/4		3/4	3/4		3/4		3/4
11	74,707	11	61,266	11	47,826	11	34,614	11	21,270	11	7,831	11		11	11		11		11
1/4	74,427	1/4	60,986	1/4	47,546	1/4	34,342	1/4	20,990	1/4	7,552	1/4		1/4	1/4		1/4		1/4
1/2	74,147	1/2	60,706	1/2	47,266	1/2	34,070	1/2	20,710	1/2	7,273	1/2		1/2	1/2		1/2		1/2
3/4	73,867	3/4	60,426	3/4	46,986	3/4	33,798	3/4	20,430	3/4	6,994	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/10/2019 SW - JS
CALCULATED: 05/11/2019 CL
PRINTED: 05/12/2019 SW

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019



BARGE "CBC 1411"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 1/4"

0 FT.			1 FT.			2 FT.			3 FT.			4 FT.			5 FT.			6 FT.			7 FT.			8 FT.			9 FT.		
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	162,037	0	150,051	0	138,064	0	126,078	0	114,091	0	102,104	0	90,118											
1/4	1/4	1/4	1/4	1/4	1/4	161,788	1/4	149,801	1/4	137,815	1/4	125,828	1/4	113,841	1/4	101,855	1/4	89,868											
1/2	1/2	1/2	1/2	1/2	1/2	161,538	1/2	149,551	1/2	137,565	1/2	125,578	1/2	113,592	1/2	101,605	1/2	89,618											
3/4	3/4	3/4	3/4	3/4	3/4	170,736	3/4	161,288	3/4	149,302	3/4	137,315	3/4	125,328	3/4	113,342	3/4	101,355	3/4	89,369									
1	1	1	1	1	1	170,715	1	161,039	1	149,052	1	137,065	1	125,079	1	113,092	1	101,106	1	89,119									
1/4	1/4	1/4	1/4	1/4	1/4	170,694	1/4	160,789	1/4	148,802	1/4	136,816	1/4	124,829	1/4	112,842	1/4	100,856	1/4	88,869									
1/2	1/2	1/2	1/2	1/2	1/2	170,632	1/2	160,539	1/2	148,553	1/2	136,566	1/2	124,579	1/2	112,593	1/2	100,606	1/2	88,620									
3/4	3/4	3/4	3/4	3/4	3/4	170,570	3/4	160,289	3/4	148,303	3/4	136,316	3/4	124,330	3/4	112,343	3/4	100,356	3/4	88,370									
2	2	2	2	2	2	170,507	2	160,040	2	148,053	2	136,066	2	124,080	2	112,093	2	100,107	2	88,120									
1/4	1/4	1/4	1/4	1/4	1/4	170,445	1/4	159,790	1/4	147,803	1/4	135,817	1/4	123,830	1/4	111,844	1/4	99,857	1/4	87,870									
1/2	1/2	1/2	1/2	1/2	1/2	170,341	1/2	159,540	1/2	147,554	1/2	135,567	1/2	123,580	1/2	111,594	1/2	99,607	1/2	87,621									
3/4	3/4	3/4	3/4	3/4	3/4	170,237	3/4	159,291	3/4	147,304	3/4	135,317	3/4	123,331	3/4	111,344	3/4	99,358	3/4	87,371									
3	3	3	3	3	3	170,133	3	159,041	3	147,054	3	135,068	3	123,081	3	111,094	3	99,108	3	87,121									
1/4	1/4	1/4	1/4	1/4	1/4	170,028	1/4	158,791	1/4	146,804	1/4	134,818	1/4	122,831	1/4	110,845	1/4	98,858	1/4	86,871									
1/2	1/2	1/2	1/2	1/2	1/2	169,883	1/2	158,541	1/2	146,555	1/2	134,568	1/2	122,582	1/2	110,595	1/2	98,608	1/2	86,622									
3/4	3/4	3/4	3/4	3/4	3/4	169,737	3/4	158,292	3/4	146,305	3/4	134,318	3/4	122,332	3/4	110,345	3/4	98,359	3/4	86,372									
4	4	4	4	4	4	169,591	4	158,042	4	146,055	4	134,069	4	122,082	4	110,096	4	98,109	4	86,122									
1/4	1/4	1/4	1/4	1/4	1/4	169,446	1/4	157,792	1/4	145,806	1/4	133,819	1/4	121,832	1/4	109,846	1/4	97,859	1/4	85,873									
1/2	1/2	1/2	1/2	1/2	1/2	169,258	1/2	157,542	1/2	145,556	1/2	133,569	1/2	121,583	1/2	109,596	1/2	97,609	1/2	85,623									
3/4	3/4	3/4	3/4	3/4	3/4	169,071	3/4	157,293	3/4	145,306	3/4	133,320	3/4	121,333	3/4	109,346	3/4	97,360	3/4	85,373									
5	5	5	5	5	5	168,884	5	157,043	5	145,056	5	133,070	5	121,083	5	109,097	5	97,110	5	85,123									
1/4	1/4	1/4	1/4	1/4	1/4	168,697	1/4	156,793	1/4	144,807	1/4	132,820	1/4	120,834	1/4	108,847	1/4	96,860	1/4	84,874									
1/2	1/2	1/2	1/2	1/2	1/2	168,468	1/2	156,544	1/2	144,557	1/2	132,570	1/2	120,584	1/2	108,597	1/2	96,611	1/2	84,624									
3/4	3/4	3/4	3/4	3/4	3/4	168,239	3/4	156,294	3/4	144,307	3/4	132,321	3/4	120,334	3/4	108,347	3/4	96,361	3/4	84,374									
6	6	6	6	6	6	168,010	6	156,044	6	144,058	6	132,071	6	120,084	6	108,098	6	96,111	6	84,125									
1/4	1/4	1/4	1/4	1/4	1/4	167,781	1/4	155,794	1/4	143,808	1/4	131,821	1/4	119,835	1/4	107,848	1/4	95,861	1/4	83,875									
1/2	1/2	1/2	1/2	1/2	1/2	167,531	1/2	155,545	1/2	143,558	1/2	131,571	1/2	119,585	1/2	107,598	1/2	95,612	1/2	83,625									
3/4	3/4	3/4	3/4	3/4	3/4	167,282	3/4	155,295	3/4	143,308	3/4	131,322	3/4	119,335	3/4	107,349	3/4	95,362	3/4	83,375									
7	7	7	7	7	7	167,032	7	155,045	7	143,059	7	131,072	7	119,085	7	107,099	7	95,112	7	83,126									
1/4	1/4	1/4	1/4	1/4	1/4	166,782	1/4	154,796	1/4	142,809	1/4	130,822	1/4	118,836	1/4	106,849	1/4	94,863	1/4	82,876									
1/2	1/2	1/2	1/2	1/2	1/2	166,532	1/2	154,546	1/2	142,559	1/2	130,573	1/2	118,586	1/2	106,599	1/2	94,613	1/2	82,626									
3/4	3/4	3/4	3/4	3/4	3/4	166,283	3/4	154,296	3/4	142,309	3/4	130,323	3/4	118,336	3/4	106,350	3/4	94,363	3/4	82,377									
8	8	8	8	8	8	166,033	8	154,046	8	142,060	8	130,073	8	118,087	8	106,100	8	94,113	8	82,127									
1/4	1/4	1/4	1/4	1/4	1/4	165,783	1/4	153,797	1/4	141,810	1/4	129,823	1/4	117,837	1/4	105,850	1/4	93,864	1/4	81,877									
1/2	1/2	1/2	1/2	1/2	1/2	165,534	1/2	153,547	1/2	141,560	1/2	129,574	1/2	117,587	1/2	105,601	1/2	93,614	1/2	81,627									
3/4	3/4	3/4	3/4	3/4	3/4	165,284	3/4	153,297	3/4	141,311	3/4	129,324	3/4	117,337	3/4	105,351	3/4	93,364	3/4	81,378									
9	9	9	9	9	9	165,034	9	153,047	9	141,061	9	129,074	9	117,088	9	105,101	9	93,114	9	81,128									
1/4	1/4	1/4	1/4	1/4	1/4	164,784	1/4	152,798	1/4	140,811	1/4	128,825	1/4	116,838	1/4	104,851	1/4	92,865	1/4	80,878									
1/2	1/2	1/2	1/2	1/2	1/2	164,535	1/2	152,548	1/2	140,561	1/2	128,575	1/2	116,588	1/2	104,602	1/2	92,615	1/2	80,628									
3/4	3/4	3/4	3/4	3/4	3/4	164,285	3/4	152,298	3/4	140,312	3/4	128,325	3/4	116,339	3/4	104,352	3/4	92,365	3/4	80,379									
10	10	10	10	10	10	164,035	10	152,049	10	140,062	10	128,075	10	116,089	10	104,102	10	92,116	10	80,129									
1/4	1/4	1/4	1/4	1/4	1/4	163,785	1/4	151,799	1/4	139,812	1/4	127,826	1/4	115,839	1/4	103,852	1/4	91,866	1/4	79,879									
1/2	1/2	1/2	1/2	1/2	1/2	163,536	1/2	151,549	1/2	139,563	1/2	127,576	1/2	115,589	1/2	103,603	1/2	91,616	1/2	79,630									
3/4	3/4	3/4	3/4	3/4	3/4	163,286	3/4	151,299	3/4	139,313	3/4	127,326	3/4	115,340	3/4	103,353	3/4	91,366	3/4	79,380									
11	11	11	11	11	11	163,036	11	151,050	11	139,063	11	127,077	11	115,090	11	103,103	11	91,117	11	79,130									
1/4	1/4	1/4	1/4	1/4	1/4	162,787	1/4	150,800	1/4	138,813	1/4	126,827	1/4	114,840	1/4	102,854	1/4	90,867	1/4	78,880									
1/2	1/2	1/2	1/2	1/2	1/2	162,537	1/2	150,550	1/2	138,564	1/2	126,577	1/2	114,590	1/2	102,604	1/2	90,617	1/2	78,631									
3/4	3/4	3/4	3/4	3/4	3/4	162,287	3/4	150,301	3/4	138,314	3/4	126,327	3/4	114,341	3/4	102,354	3/4	90,368	3/4	78,381									

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 1411"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 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	78,131	0	66,145	0	54,158	0	42,171	0	30,204	0	18,225	0	6,241	0		0		0	
1/4	77,882	1/4	65,895	1/4	53,908	1/4	41,922	1/4	29,955	1/4	17,975	1/4	5,992	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,632	1/2	65,645	1/2	53,659	1/2	41,672	1/2	29,706	1/2	17,725	1/2	5,744	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,382	3/4	65,395	3/4	53,409	3/4	41,422	3/4	29,457	3/4	17,475	3/4	5,496	3/4	3/4	3/4	3/4	3/4	3/4
1	77,132	1	65,146	1	53,159	1	41,173	1	29,208	1	17,226	1	5,248	1	1	1	1	1	1
1/4	76,883	1/4	64,896	1/4	52,909	1/4	40,923	1/4	28,959	1/4	16,976	1/4	5,000	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,633	1/2	64,646	1/2	52,660	1/2	40,673	1/2	28,710	1/2	16,726	1/2	4,753	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,383	3/4	64,397	3/4	52,410	3/4	40,423	3/4	28,461	3/4	16,477	3/4	4,506	3/4	3/4	3/4	3/4	3/4	3/4
2	76,133	2	64,147	2	52,160	2	40,174	2	28,211	2	16,227	2	4,259	2	2	2	2	2	2
1/4	75,884	1/4	63,897	1/4	51,911	1/4	39,924	1/4	27,962	1/4	15,977	1/4	4,012	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,634	1/2	63,647	1/2	51,661	1/2	39,674	1/2	27,713	1/2	15,727	1/2	3,767	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,384	3/4	63,398	3/4	51,411	3/4	39,425	3/4	27,463	3/4	15,478	3/4	3,523	3/4	3/4	3/4	3/4	3/4	3/4
3	75,135	3	63,148	3	51,161	3	39,175	3	27,214	3	15,228	3	3,278	3	3	3	3	3	3
1/4	74,885	1/4	62,898	1/4	50,912	1/4	38,925	1/4	26,964	1/4	14,978	1/4	3,033	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,635	1/2	62,649	1/2	50,662	1/2	38,675	1/2	26,715	1/2	14,729	1/2	2,805	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,385	3/4	62,399	3/4	50,412	3/4	38,426	3/4	26,465	3/4	14,479	3/4	2,577	3/4	3/4	3/4	3/4	3/4	3/4
4	74,136	4	62,149	4	50,163	4	38,176	4	26,215	4	14,229	4	2,348	4	4	4	4	4	4
1/4	73,886	1/4	61,899	1/4	49,913	1/4	37,926	1/4	25,966	1/4	13,979	1/4	2,120	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,636	1/2	61,650	1/2	49,663	1/2	37,676	1/2	25,716	1/2	13,730	1/2	1,933	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,387	3/4	61,400	3/4	49,413	3/4	37,427	3/4	25,466	3/4	13,480	3/4	1,746	3/4	3/4	3/4	3/4	3/4	3/4
5	73,137	5	61,150	5	49,164	5	37,177	5	25,216	5	13,230	5	1,558	5	5	5	5	5	5
1/4	72,887	1/4	60,901	1/4	48,914	1/4	36,927	1/4	24,967	1/4	12,981	1/4	1,371	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,637	1/2	60,651	1/2	48,664	1/2	36,678	1/2	24,717	1/2	12,731	1/2	1,225	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,388	3/4	60,401	3/4	48,414	3/4	36,429	3/4	24,467	3/4	12,481	3/4	1,080	3/4	3/4	3/4	3/4	3/4	3/4
6	72,138	6	60,151	6	48,165	6	36,180	6	24,218	6	12,231	6	934	6	6	6	6	6	6
1/4	71,888	1/4	59,902	1/4	47,915	1/4	35,931	1/4	23,968	1/4	11,982	1/4	788	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,639	1/2	59,652	1/2	47,665	1/2	35,682	1/2	23,718	1/2	11,732	1/2	684	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,389	3/4	59,402	3/4	47,416	3/4	35,433	3/4	23,468	3/4	11,482	3/4	580	3/4	3/4	3/4	3/4	3/4	3/4
7	71,139	7	59,152	7	47,166	7	35,184	7	23,219	7	11,233	7	476	7	7	7	7	7	7
1/4	70,889	1/4	58,903	1/4	46,916	1/4	34,935	1/4	22,969	1/4	10,983	1/4	372	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,640	1/2	58,653	1/2	46,666	1/2	34,686	1/2	22,719	1/2	10,733	1/2	310	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,390	3/4	58,403	3/4	46,417	3/4	34,437	3/4	22,470	3/4	10,483	3/4	247	3/4	3/4	3/4	3/4	3/4	3/4
8	70,140	8	58,154	8	46,167	8	34,188	8	22,220	8	10,234	8	185	8	8	8	8	8	8
1/4	69,890	1/4	57,904	1/4	45,917	1/4	33,939	1/4	21,970	1/4	9,984	1/4	123	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,641	1/2	57,654	1/2	45,668	1/2	33,690	1/2	21,720	1/2	9,734	1/2	102	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,391	3/4	57,404	3/4	45,418	3/4	33,441	3/4	21,471	3/4	9,485	3/4	81	3/4	3/4	3/4	3/4	3/4	3/4
9	69,141	9	57,155	9	45,168	9	33,192	9	21,221	9	9,235	9	60	9	9	9	9	9	9
1/4	68,892	1/4	56,905	1/4	44,918	1/4	32,943	1/4	20,971	1/4	8,985	1/4	39	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,642	1/2	56,655	1/2	44,669	1/2	32,694	1/2	20,722	1/2	8,736	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,392	3/4	56,406	3/4	44,419	3/4	32,445	3/4	20,472	3/4	8,486	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	68,142	10	56,156	10	44,169	10	32,196	10	20,222	10	8,236	10		10	10	10	10	10	10
1/4	67,893	1/4	55,906	1/4	43,919	1/4	31,947	1/4	19,973	1/4	7,986	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,643	1/2	55,656	1/2	43,670	1/2	31,698	1/2	19,723	1/2	7,737	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,393	3/4	55,407	3/4	43,420	3/4	31,449	3/4	19,473	3/4	7,487	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	67,144	11	55,157	11	43,170	11	31,200	11	19,223	11	7,238	11		11	11	11	11	11	11
1/4	66,894	1/4	54,907	1/4	42,921	1/4	30,951	1/4	18,974	1/4	6,988	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,644	1/2	54,657	1/2	42,671	1/2	30,702	1/2	18,724	1/2	6,739	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,394	3/4	54,408	3/4	42,421	3/4	30,453	3/4	18,474	3/4	6,490	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/10/2019 SW - JS
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CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019