



# BARGE "CBC 1391"

## INNAGE TRIM TABLE

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

(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 - 00-1/2"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED INNAGE IS 4'-00 1/2"

LENGTH BETWEEN DRAFT MARKS: 161'-09"

April 19, 2017

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

<http://www.pmacorp.net>



# BARGE "CBC 1391"

# 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 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	8,096	0	18,891	0	29,535	0	40,209	0	50,976	0	61,742	0	72,486	0	83,232	0	94,002
1/4	58	1/4	8,321	1/4	19,115	1/4	29,753	1/4	40,433	1/4	51,200	1/4	61,967	1/4	72,709	1/4	83,456	1/4	94,226
1/2	77	1/2	8,546	1/2	19,340	1/2	29,972	1/2	40,657	1/2	51,424	1/2	62,191	1/2	72,932	1/2	83,680	1/2	94,451
3/4	96	3/4	8,770	3/4	19,565	3/4	30,190	3/4	40,882	3/4	51,648	3/4	62,415	3/4	73,155	3/4	83,905	3/4	94,675
1	114	1	8,995	1	19,790	1	30,409	1	41,106	1	51,873	1	62,640	1	73,378	1	84,129	1	94,899
1/4	171	1/4	9,220	1/4	20,015	1/4	30,627	1/4	41,330	1/4	52,097	1/4	62,864	1/4	73,601	1/4	84,353	1/4	95,124
1/2	227	1/2	9,445	1/2	20,240	1/2	30,846	1/2	41,555	1/2	52,321	1/2	63,088	1/2	73,824	1/2	84,578	1/2	95,348
3/4	283	3/4	9,670	3/4	20,465	3/4	31,064	3/4	41,779	3/4	52,546	3/4	63,313	3/4	74,047	3/4	84,802	3/4	95,572
2	339	2	9,895	2	20,690	2	31,283	2	42,003	2	52,770	2	63,537	2	74,270	2	85,027	2	95,797
1/4	433	1/4	10,120	1/4	20,915	1/4	31,501	1/4	42,227	1/4	52,994	1/4	63,761	1/4	74,493	1/4	85,251	1/4	96,021
1/2	527	1/2	10,345	1/2	21,139	1/2	31,720	1/2	42,452	1/2	53,219	1/2	63,986	1/2	74,716	1/2	85,475	1/2	96,246
3/4	620	3/4	10,570	3/4	21,364	3/4	31,938	3/4	42,676	3/4	53,443	3/4	64,210	3/4	74,939	3/4	85,700	3/4	96,470
3	714	3	10,794	3	21,589	3	32,157	3	42,900	3	53,667	3	64,434	3	75,162	3	85,924	3	96,694
1/4	845	1/4	11,019	1/4	21,814	1/4	32,375	1/4	43,125	1/4	53,892	1/4	64,658	1/4	75,385	1/4	86,148	1/4	96,919
1/2	976	1/2	11,244	1/2	22,039	1/2	32,594	1/2	43,349	1/2	54,116	1/2	64,883	1/2	75,608	1/2	86,373	1/2	97,143
3/4	1,107	3/4	11,469	3/4	22,264	3/4	32,812	3/4	43,573	3/4	54,340	3/4	65,107	3/4	75,830	3/4	86,597	3/4	97,367
4	1,239	4	11,694	4	22,489	4	33,031	4	43,798	4	54,565	4	65,331	4	76,053	4	86,822	4	97,592
1/4	1,407	1/4	11,919	1/4	22,714	1/4	33,255	1/4	44,022	1/4	54,789	1/4	65,556	1/4	76,277	1/4	87,046	1/4	97,816
1/2	1,576	1/2	12,144	1/2	22,939	1/2	33,479	1/2	44,246	1/2	55,013	1/2	65,780	1/2	76,501	1/2	87,270	1/2	98,041
3/4	1,744	3/4	12,369	3/4	23,163	3/4	33,704	3/4	44,471	3/4	55,237	3/4	66,004	3/4	76,724	3/4	87,495	3/4	98,265
5	1,913	5	12,594	5	23,388	5	33,928	5	44,695	5	55,462	5	66,229	5	76,948	5	87,719	5	98,489
1/4	2,119	1/4	12,818	1/4	23,613	1/4	34,152	1/4	44,919	1/4	55,686	1/4	66,453	1/4	77,172	1/4	87,944	1/4	98,714
1/2	2,324	1/2	13,043	1/2	23,838	1/2	34,377	1/2	45,144	1/2	55,910	1/2	66,677	1/2	77,397	1/2	88,168	1/2	98,938
3/4	2,530	3/4	13,268	3/4	24,063	3/4	34,601	3/4	45,368	3/4	56,135	3/4	66,902	3/4	77,621	3/4	88,392	3/4	99,162
6	2,735	6	13,493	6	24,288	6	34,825	6	45,592	6	56,359	6	67,126	6	77,846	6	88,617	6	99,387
1/4	2,956	1/4	13,718	1/4	24,507	1/4	35,050	1/4	45,816	1/4	56,583	1/4	67,350	1/4	78,070	1/4	88,841	1/4	99,611
1/2	3,176	1/2	13,943	1/2	24,726	1/2	35,274	1/2	46,041	1/2	56,808	1/2	67,573	1/2	78,295	1/2	89,065	1/2	99,836
3/4	3,396	3/4	14,168	3/4	24,945	3/4	35,498	3/4	46,265	3/4	57,032	3/4	67,797	3/4	78,519	3/4	89,290	3/4	100,060
7	3,617	7	14,393	7	25,163	7	35,723	7	46,489	7	57,256	7	68,021	7	78,743	7	89,514	7	100,284
1/4	3,839	1/4	14,618	1/4	25,382	1/4	35,947	1/4	46,714	1/4	57,481	1/4	68,244	1/4	78,968	1/4	89,739	1/4	100,509
1/2	4,062	1/2	14,842	1/2	25,601	1/2	36,171	1/2	46,938	1/2	57,705	1/2	68,468	1/2	79,192	1/2	89,963	1/2	100,733
3/4	4,284	3/4	15,067	3/4	25,820	3/4	36,395	3/4	47,162	3/4	57,929	3/4	68,692	3/4	79,417	3/4	90,187	3/4	100,958
8	4,506	8	15,292	8	26,039	8	36,620	8	47,387	8	58,153	8	68,916	8	79,641	8	90,412	8	101,182
1/4	4,730	1/4	15,517	1/4	26,257	1/4	36,844	1/4	47,611	1/4	58,378	1/4	69,139	1/4	79,865	1/4	90,636	1/4	101,406
1/2	4,953	1/2	15,742	1/2	26,476	1/2	37,068	1/2	47,835	1/2	58,602	1/2	69,363	1/2	80,090	1/2	90,860	1/2	101,631
3/4	5,177	3/4	15,967	3/4	26,694	3/4	37,293	3/4	48,060	3/4	58,826	3/4	69,587	3/4	80,314	3/4	91,085	3/4	101,855
9	5,400	9	16,192	9	26,913	9	37,517	9	48,284	9	59,051	9	69,811	9	80,539	9	91,309	9	102,079
1/4	5,625	1/4	16,417	1/4	27,131	1/4	37,741	1/4	48,508	1/4	59,275	1/4	70,033	1/4	80,763	1/4	91,534	1/4	102,304
1/2	5,849	1/2	16,642	1/2	27,350	1/2	37,966	1/2	48,732	1/2	59,499	1/2	70,256	1/2	80,987	1/2	91,758	1/2	102,528
3/4	6,073	3/4	16,867	3/4	27,568	3/4	38,190	3/4	48,957	3/4	59,724	3/4	70,479	3/4	81,212	3/4	91,982	3/4	102,753
10	6,297	10	17,091	10	27,787	10	38,414	10	49,181	10	59,948	10	70,702	10	81,436	10	92,207	10	102,977
1/4	6,522	1/4	17,316	1/4	28,005	1/4	38,639	1/4	49,405	1/4	60,172	1/4	70,925	1/4	81,661	1/4	92,431	1/4	103,201
1/2	6,747	1/2	17,541	1/2	28,224	1/2	38,863	1/2	49,630	1/2	60,397	1/2	71,148	1/2	81,885	1/2	92,655	1/2	103,426
3/4	6,972	3/4	17,766	3/4	28,442	3/4	39,087	3/4	49,854	3/4	60,621	3/4	71,371	3/4	82,110	3/4	92,880	3/4	103,650
11	7,196	11	17,991	11	28,661	11	39,311	11	50,078	11	60,845	11	71,594	11	82,334	11	93,104	11	103,874
1/4	7,421	1/4	18,216	1/4	28,879	1/4	39,536	1/4	50,303	1/4	61,070	1/4	71,817	1/4	82,558	1/4	93,329	1/4	104,099
1/2	7,646	1/2	18,441	1/2	29,098	1/2	39,760	1/2	50,527	1/2	61,294	1/2	72,040	1/2	82,783	1/2	93,553	1/2	104,323
3/4	7,871	3/4	18,666	3/4	29,316	3/4	39,984	3/4	50,751	3/4	61,518	3/4	72,263	3/4	83,007	3/4	93,777	3/4	104,548

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'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
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# BARGE "CBC 1391"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 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	104,772	0	114,878	0	124,343	0	133,766	0	143,173	0		0		0		0		0	
1/4	104,996	1/4	115,076	1/4	124,540	1/4	133,963	1/4	143,368	1/4		1/4		1/4		1/4		1/4	
1/2	105,220	1/2	115,273	1/2	124,737	1/2	134,160	1/2	143,562	1/2		1/2		1/2		1/2		1/2	
3/4	105,444	3/4	115,470	3/4	124,933	3/4	134,356	3/4	143,757	3/4		3/4		3/4		3/4		3/4	
1	105,668	1	115,667	1	125,130	1	134,553	1	143,951	1		1		1		1		1	
1/4	105,893	1/4	115,864	1/4	125,327	1/4	134,750	1/4	144,146	1/4		1/4		1/4		1/4		1/4	
1/2	106,117	1/2	116,062	1/2	125,523	1/2	134,946	1/2	144,341	1/2		1/2		1/2		1/2		1/2	
3/4	106,341	3/4	116,259	3/4	125,720	3/4	135,143	3/4	144,535	3/4		3/4		3/4		3/4		3/4	
2	106,565	2	116,456	2	125,917	2	135,340	2	144,730	2		2		2		2		2	
1/4	106,789	1/4	116,653	1/4	126,113	1/4	135,536	1/4	144,933	1/4		1/4		1/4		1/4		1/4	
1/2	107,013	1/2	116,850	1/2	126,310	1/2	135,733	1/2	145,137	1/2		1/2		1/2		1/2		1/2	
3/4	107,237	3/4	117,047	3/4	126,507	3/4	135,930	3/4	145,340	3/4		3/4		3/4		3/4		3/4	
3	107,462	3	117,245	3	126,703	3	136,126	3	145,544	3		3		3		3		3	
1/4	107,686	1/4	117,442	1/4	126,900	1/4	136,323	1/4	145,710	1/4		1/4		1/4		1/4		1/4	
1/2	107,910	1/2	117,639	1/2	127,097	1/2	136,520	1/2	145,876	1/2		1/2		1/2		1/2		1/2	
3/4	108,134	3/4	117,836	3/4	127,293	3/4	136,716	3/4	146,042	3/4		3/4		3/4		3/4		3/4	
4	108,358	4	118,033	4	127,490	4	136,913	4	146,208	4		4		4		4		4	
1/4	108,582	1/4	118,231	1/4	127,687	1/4	137,110	1/4	146,336	1/4		1/4		1/4		1/4		1/4	
1/2	108,806	1/2	118,428	1/2	127,883	1/2	137,306	1/2	146,465	1/2		1/2		1/2		1/2		1/2	
3/4	109,030	3/4	118,625	3/4	128,080	3/4	137,503	3/4	146,593	3/4		3/4		3/4		3/4		3/4	
5	109,255	5	118,822	5	128,277	5	137,700	5	146,722	5		5		5		5		5	
1/4	109,479	1/4	119,019	1/4	128,473	1/4	137,896	1/4	146,813	1/4		1/4		1/4		1/4		1/4	
1/2	109,703	1/2	119,217	1/2	128,670	1/2	138,093	1/2	146,904	1/2		1/2		1/2		1/2		1/2	
3/4	109,927	3/4	119,414	3/4	128,867	3/4	138,290	3/4	146,995	3/4		3/4		3/4		3/4		3/4	
6	110,151	6	119,611	6	129,063	6	138,486	6	147,086	6		6		6		6		6	
1/4	110,348	1/4	119,808	1/4	129,259	1/4	138,683	1/4	147,140	1/4		1/4		1/4		1/4		1/4	
1/2	110,545	1/2	120,005	1/2	129,455	1/2	138,880	1/2	147,193	1/2		1/2		1/2		1/2		1/2	
3/4	110,742	3/4	120,202	3/4	129,651	3/4	139,076	3/4	147,247	3/4		3/4		3/4		3/4		3/4	
7	110,939	7	120,400	7	129,847	7	139,273	7	147,300	7		7		7		7		7	
1/4	111,136	1/4	120,597	1/4	130,043	1/4	139,470	1/4	147,316	1/4		1/4		1/4		1/4		1/4	
1/2	111,333	1/2	120,794	1/2	130,239	1/2	139,666	1/2	147,332	1/2		1/2		1/2		1/2		1/2	
3/4	111,530	3/4	120,991	3/4	130,435	3/4	139,863	3/4		3/4		3/4		3/4		3/4		3/4	
8	111,727	8	121,188	8	130,631	8	140,060	8		8		8		8		8		8	
1/4	111,924	1/4	121,386	1/4	130,827	1/4	140,254	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,121	1/2	121,583	1/2	131,023	1/2	140,449	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,318	3/4	121,780	3/4	131,219	3/4	140,643	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,515	9	121,977	9	131,415	9	140,838	9		9		9		9		9		9	
1/4	112,712	1/4	122,174	1/4	131,611	1/4	141,033	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,909	1/2	122,372	1/2	131,807	1/2	141,227	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,106	3/4	122,569	3/4	132,003	3/4	141,422	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,303	10	122,766	10	132,199	10	141,616	10		10		10		10		10		10	
1/4	113,500	1/4	122,963	1/4	132,395	1/4	141,811	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,697	1/2	123,160	1/2	132,591	1/2	142,005	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,894	3/4	123,357	3/4	132,787	3/4	142,200	3/4		3/4		3/4		3/4		3/4		3/4	
11	114,090	11	123,555	11	132,983	11	142,395	11		11		11		11		11		11	
1/4	114,287	1/4	123,752	1/4	133,178	1/4	142,589	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,484	1/2	123,949	1/2	133,374	1/2	142,784	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,681	3/4	124,146	3/4	133,570	3/4	142,978	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/19/2017 CL  
CALCULATED: 04/19/2017 CL  
PRINTED: 04/19/2017 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2017

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



# BARGE "CBC 1391"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	9,064	0	21,156	0	33,101	0	45,046	0	57,138	0	69,230	0	81,322	0	93,415	0	105,505
1/4	60	1/4	9,316	1/4	21,408	1/4	33,345	1/4	45,298	1/4	57,390	1/4	69,482	1/4	81,574	1/4	93,667	1/4	105,757
1/2	81	1/2	9,568	1/2	21,660	1/2	33,590	1/2	45,550	1/2	57,642	1/2	69,734	1/2	81,826	1/2	93,918	1/2	106,009
3/4	102	3/4	9,820	3/4	21,912	3/4	33,834	3/4	45,802	3/4	57,894	3/4	69,986	3/4	82,078	3/4	94,170	3/4	106,260
1	123	1	10,072	1	22,164	1	34,079	1	46,054	1	58,146	1	70,238	1	82,330	1	94,422	1	106,512
1/4	186	1/4	10,324	1/4	22,415	1/4	34,323	1/4	46,305	1/4	58,398	1/4	70,490	1/4	82,582	1/4	94,674	1/4	106,764
1/2	249	1/2	10,576	1/2	22,667	1/2	34,568	1/2	46,557	1/2	58,650	1/2	70,742	1/2	82,834	1/2	94,926	1/2	107,016
3/4	312	3/4	10,827	3/4	22,919	3/4	34,812	3/4	46,809	3/4	58,902	3/4	70,994	3/4	83,086	3/4	95,178	3/4	107,268
2	375	2	11,079	2	23,171	2	35,057	2	47,061	2	59,153	2	71,246	2	83,338	2	95,430	2	107,520
1/4	480	1/4	11,331	1/4	23,423	1/4	35,301	1/4	47,313	1/4	59,405	1/4	71,498	1/4	83,590	1/4	95,682	1/4	107,772
1/2	585	1/2	11,583	1/2	23,675	1/2	35,546	1/2	47,565	1/2	59,657	1/2	71,749	1/2	83,842	1/2	95,933	1/2	108,024
3/4	690	3/4	11,835	3/4	23,927	3/4	35,790	3/4	47,817	3/4	59,909	3/4	72,001	3/4	84,094	3/4	96,185	3/4	108,276
3	795	3	12,087	3	24,179	3	36,035	3	48,069	3	60,161	3	72,253	3	84,346	3	96,437	3	108,527
1/4	942	1/4	12,339	1/4	24,431	1/4	36,279	1/4	48,321	1/4	60,413	1/4	72,505	1/4	84,597	1/4	96,689	1/4	108,779
1/2	1,089	1/2	12,591	1/2	24,683	1/2	36,524	1/2	48,573	1/2	60,665	1/2	72,757	1/2	84,849	1/2	96,941	1/2	109,031
3/4	1,236	3/4	12,843	3/4	24,935	3/4	36,768	3/4	48,825	3/4	60,917	3/4	73,009	3/4	85,101	3/4	97,193	3/4	109,283
4	1,383	4	13,095	4	25,186	4	37,013	4	49,077	4	61,169	4	73,261	4	85,353	4	97,445	4	109,535
1/4	1,572	1/4	13,347	1/4	25,438	1/4	37,257	1/4	49,328	1/4	61,421	1/4	73,513	1/4	85,605	1/4	97,697	1/4	109,787
1/2	1,761	1/2	13,599	1/2	25,690	1/2	37,502	1/2	49,580	1/2	61,673	1/2	73,765	1/2	85,857	1/2	97,949	1/2	110,039
3/4	1,950	3/4	13,850	3/4	25,942	3/4	37,747	3/4	49,832	3/4	61,925	3/4	74,017	3/4	86,109	3/4	98,200	3/4	110,291
5	2,139	5	14,102	5	26,194	5	37,992	5	50,084	5	62,176	5	74,269	5	86,361	5	98,452	5	110,542
1/4	2,369	1/4	14,354	1/4	26,446	1/4	38,244	1/4	50,336	1/4	62,428	1/4	74,521	1/4	86,613	1/4	98,704	1/4	110,794
1/2	2,599	1/2	14,606	1/2	26,698	1/2	38,496	1/2	50,588	1/2	62,680	1/2	74,773	1/2	86,865	1/2	98,956	1/2	111,046
3/4	2,829	3/4	14,858	3/4	26,950	3/4	38,748	3/4	50,840	3/4	62,932	3/4	75,024	3/4	87,117	3/4	99,208	3/4	111,298
6	3,060	6	15,110	6	27,202	6	39,000	6	51,092	6	63,184	6	75,276	6	87,369	6	99,460	6	111,550
1/4	3,306	1/4	15,362	1/4	27,454	1/4	39,252	1/4	51,344	1/4	63,436	1/4	75,528	1/4	87,621	1/4	99,712	1/4	111,802
1/2	3,553	1/2	15,614	1/2	27,706	1/2	39,504	1/2	51,596	1/2	63,688	1/2	75,780	1/2	87,872	1/2	99,964	1/2	112,054
3/4	3,800	3/4	15,866	3/4	27,958	3/4	39,755	3/4	51,848	3/4	63,940	3/4	76,032	3/4	88,124	3/4	100,215	3/4	112,306
7	4,047	7	16,118	7	28,209	7	40,007	7	52,100	7	64,192	7	76,284	7	88,376	7	100,467	7	112,557
1/4	4,296	1/4	16,370	1/4	28,454	1/4	40,259	1/4	52,352	1/4	64,444	1/4	76,536	1/4	88,628	1/4	100,719	1/4	112,809
1/2	4,545	1/2	16,621	1/2	28,699	1/2	40,511	1/2	52,603	1/2	64,696	1/2	76,788	1/2	88,880	1/2	100,971	1/2	113,061
3/4	4,794	3/4	16,873	3/4	28,944	3/4	40,763	3/4	52,855	3/4	64,948	3/4	77,040	3/4	89,132	3/4	101,223	3/4	113,313
8	5,043	8	17,125	8	29,189	8	41,015	8	53,107	8	65,200	8	77,292	8	89,384	8	101,475	8	113,565
1/4	5,294	1/4	17,377	1/4	29,433	1/4	41,267	1/4	53,359	1/4	65,451	1/4	77,544	1/4	89,636	1/4	101,727	1/4	113,817
1/2	5,544	1/2	17,629	1/2	29,678	1/2	41,519	1/2	53,611	1/2	65,703	1/2	77,796	1/2	89,888	1/2	101,979	1/2	114,069
3/4	5,795	3/4	17,881	3/4	29,922	3/4	41,771	3/4	53,863	3/4	65,955	3/4	78,048	3/4	90,140	3/4	102,230	3/4	114,321
9	6,045	9	18,133	9	30,167	9	42,023	9	54,115	9	66,207	9	78,299	9	90,392	9	102,482	9	114,572
1/4	6,296	1/4	18,385	1/4	30,411	1/4	42,275	1/4	54,367	1/4	66,459	1/4	78,551	1/4	90,644	1/4	102,734	1/4	114,824
1/2	6,547	1/2	18,637	1/2	30,656	1/2	42,527	1/2	54,619	1/2	66,711	1/2	78,803	1/2	90,895	1/2	102,986	1/2	115,076
3/4	6,799	3/4	18,889	3/4	30,900	3/4	42,779	3/4	54,871	3/4	66,963	3/4	79,055	3/4	91,147	3/4	103,238	3/4	115,328
10	7,050	10	19,141	10	31,145	10	43,030	10	55,123	10	67,215	10	79,307	10	91,399	10	103,490	10	115,580
1/4	7,301	1/4	19,393	1/4	31,389	1/4	43,282	1/4	55,375	1/4	67,467	1/4	79,559	1/4	91,651	1/4	103,742	1/4	115,832
1/2	7,553	1/2	19,644	1/2	31,634	1/2	43,534	1/2	55,627	1/2	67,719	1/2	79,811	1/2	91,903	1/2	103,994	1/2	116,084
3/4	7,805	3/4	19,896	3/4	31,878	3/4	43,786	3/4	55,878	3/4	67,971	3/4	80,063	3/4	92,155	3/4	104,245	3/4	116,336
11	8,057	11	20,148	11	32,123	11	44,038	11	56,130	11	68,223	11	80,315	11	92,407	11	104,497	11	116,587
1/4	8,308	1/4	20,400	1/4	32,367	1/4	44,290	1/4	56,382	1/4	68,475	1/4	80,567	1/4	92,659	1/4	104,749	1/4	116,839
1/2	8,560	1/2	20,652	1/2	32,612	1/2	44,542	1/2	56,634	1/2	68,726	1/2	80,819	1/2	92,911	1/2	105,001	1/2	117,091
3/4	8,812	3/4	20,904	3/4	32,856	3/4	44,794	3/4	56,886	3/4	68,978	3/4	81,071	3/4	93,163	3/4	105,253	3/4	117,343

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  
<http://www.pmacorp.net>



# BARGE "CBC 1391"

## 2 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	117,595	0	129,685	0	141,775	0	153,798	0	165,784	0		0		0		0		0	
1/4	117,847	1/4	129,937	1/4	142,026	1/4	154,049	1/4	166,032	1/4		1/4		1/4		1/4		1/4	
1/2	118,099	1/2	130,189	1/2	142,276	1/2	154,299	1/2	166,280	1/2		1/2		1/2		1/2		1/2	
3/4	118,351	3/4	130,441	3/4	142,527	3/4	154,550	3/4	166,529	3/4		3/4		3/4		3/4		3/4	
1	118,602	1	130,693	1	142,777	1	154,800	1	166,777	1		1		1		1		1	
1/4	118,854	1/4	130,945	1/4	143,028	1/4	155,051	1/4	167,025	1/4		1/4		1/4		1/4		1/4	
1/2	119,106	1/2	131,196	1/2	143,278	1/2	155,301	1/2	167,273	1/2		1/2		1/2		1/2		1/2	
3/4	119,358	3/4	131,448	3/4	143,529	3/4	155,552	3/4	167,521	3/4		3/4		3/4		3/4		3/4	
2	119,610	2	131,700	2	143,779	2	155,802	2	167,769	2		2		2		2		2	
1/4	119,862	1/4	131,952	1/4	144,030	1/4	156,052	1/4	167,997	1/4		1/4		1/4		1/4		1/4	
1/2	120,114	1/2	132,204	1/2	144,280	1/2	156,303	1/2	168,224	1/2		1/2		1/2		1/2		1/2	
3/4	120,366	3/4	132,456	3/4	144,531	3/4	156,553	3/4	168,451	3/4		3/4		3/4		3/4		3/4	
3	120,618	3	132,708	3	144,781	3	156,804	3	168,678	3		3		3		3		3	
1/4	120,869	1/4	132,960	1/4	145,031	1/4	157,054	1/4	168,863	1/4		1/4		1/4		1/4		1/4	
1/2	121,121	1/2	133,211	1/2	145,282	1/2	157,305	1/2	169,048	1/2		1/2		1/2		1/2		1/2	
3/4	121,373	3/4	133,463	3/4	145,532	3/4	157,555	3/4	169,234	3/4		3/4		3/4		3/4		3/4	
4	121,625	4	133,715	4	145,783	4	157,806	4	169,419	4		4		4		4		4	
1/4	121,877	1/4	133,967	1/4	146,033	1/4	158,056	1/4	169,562	1/4		1/4		1/4		1/4		1/4	
1/2	122,129	1/2	134,219	1/2	146,284	1/2	158,307	1/2	169,705	1/2		1/2		1/2		1/2		1/2	
3/4	122,381	3/4	134,471	3/4	146,534	3/4	158,557	3/4	169,848	3/4		3/4		3/4		3/4		3/4	
5	122,633	5	134,723	5	146,785	5	158,808	5	169,992	5		5		5		5		5	
1/4	122,884	1/4	134,975	1/4	147,035	1/4	159,058	1/4	170,093	1/4		1/4		1/4		1/4		1/4	
1/2	123,136	1/2	135,226	1/2	147,286	1/2	159,309	1/2	170,194	1/2		1/2		1/2		1/2		1/2	
3/4	123,388	3/4	135,478	3/4	147,536	3/4	159,559	3/4	170,295	3/4		3/4		3/4		3/4		3/4	
6	123,640	6	135,730	6	147,787	6	159,810	6	170,396	6		6		6		6		6	
1/4	123,892	1/4	135,982	1/4	148,037	1/4	160,060	1/4	170,456	1/4		1/4		1/4		1/4		1/4	
1/2	124,144	1/2	136,234	1/2	148,288	1/2	160,311	1/2	170,515	1/2		1/2		1/2		1/2		1/2	
3/4	124,396	3/4	136,486	3/4	148,538	3/4	160,561	3/4	170,574	3/4		3/4		3/4		3/4		3/4	
7	124,648	7	136,738	7	148,789	7	160,812	7	170,633	7		7		7		7		7	
1/4	124,899	1/4	136,990	1/4	149,039	1/4	161,062	1/4	170,651	1/4		1/4		1/4		1/4		1/4	
1/2	125,151	1/2	137,241	1/2	149,290	1/2	161,313	1/2	170,668	1/2		1/2		1/2		1/2		1/2	
3/4	125,403	3/4	137,493	3/4	149,540	3/4	161,563	3/4		3/4		3/4		3/4		3/4		3/4	
8	125,655	8	137,745	8	149,791	8	161,813	8		8		8		8		8		8	
1/4	125,907	1/4	137,997	1/4	150,041	1/4	162,062	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,159	1/2	138,249	1/2	150,291	1/2	162,310	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,411	3/4	138,501	3/4	150,542	3/4	162,558	3/4		3/4		3/4		3/4		3/4		3/4	
9	126,663	9	138,753	9	150,792	9	162,806	9		9		9		9		9		9	
1/4	126,914	1/4	139,005	1/4	151,043	1/4	163,054	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,166	1/2	139,256	1/2	151,293	1/2	163,302	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,418	3/4	139,508	3/4	151,544	3/4	163,551	3/4		3/4		3/4		3/4		3/4		3/4	
10	127,670	10	139,760	10	151,794	10	163,799	10		10		10		10		10		10	
1/4	127,922	1/4	140,012	1/4	152,045	1/4	164,047	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,174	1/2	140,264	1/2	152,295	1/2	164,295	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,426	3/4	140,516	3/4	152,546	3/4	164,543	3/4		3/4		3/4		3/4		3/4		3/4	
11	128,678	11	140,768	11	152,796	11	164,791	11		11		11		11		11		11	
1/4	128,929	1/4	141,020	1/4	153,047	1/4	165,040	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	129,181	1/2	141,272	1/2	153,297	1/2	165,288	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	129,433	3/4	141,523	3/4	153,548	3/4	165,536	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/19/2017 CL  
CALCULATED: 04/19/2017 CL  
PRINTED: 04/19/2017 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2017

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "CBC 1391"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	8,018	0	18,708	0	29,384	0	40,063	0	50,754	0	61,444	0	72,135	0	82,826	0	93,514
1/4	58	1/4	8,241	1/4	19,831	1/4	29,606	1/4	40,286	1/4	50,977	1/4	61,667	1/4	72,358	1/4	83,048	1/4	93,737
1/2	76	1/2	8,463	1/2	19,153	1/2	29,828	1/2	40,509	1/2	51,199	1/2	61,890	1/2	72,580	1/2	83,271	1/2	93,960
3/4	95	3/4	8,686	3/4	19,376	3/4	30,050	3/4	40,731	3/4	51,422	3/4	62,113	3/4	72,803	3/4	83,494	3/4	94,182
1	113	1	8,909	1	19,599	1	30,272	1	40,954	1	51,645	1	62,335	1	73,026	1	83,716	1	94,405
1/4	169	1/4	9,131	1/4	19,822	1/4	30,494	1/4	41,177	1/4	51,867	1/4	62,558	1/4	73,249	1/4	83,939	1/4	94,628
1/2	225	1/2	9,354	1/2	20,044	1/2	30,716	1/2	41,400	1/2	52,090	1/2	62,781	1/2	73,471	1/2	84,162	1/2	94,850
3/4	280	3/4	9,577	3/4	20,267	3/4	30,938	3/4	41,622	3/4	52,313	3/4	63,003	3/4	73,694	3/4	84,384	3/4	95,073
2	336	2	9,800	2	20,490	2	31,160	2	41,845	2	52,536	2	63,226	2	73,917	2	84,607	2	95,296
1/4	429	1/4	10,022	1/4	20,712	1/4	31,382	1/4	42,068	1/4	52,758	1/4	63,449	1/4	74,139	1/4	84,830	1/4	95,519
1/2	522	1/2	10,245	1/2	20,935	1/2	31,604	1/2	42,290	1/2	52,981	1/2	63,672	1/2	74,362	1/2	85,052	1/2	95,741
3/4	614	3/4	10,468	3/4	21,158	3/4	31,826	3/4	42,513	3/4	53,204	3/4	63,894	3/4	74,585	3/4	85,275	3/4	95,964
3	707	3	10,690	3	21,381	3	32,048	3	42,736	3	53,426	3	64,117	3	74,808	3	85,498	3	96,187
1/4	837	1/4	10,913	1/4	21,603	1/4	32,270	1/4	42,959	1/4	53,649	1/4	64,340	1/4	75,030	1/4	85,720	1/4	96,409
1/2	967	1/2	11,136	1/2	21,826	1/2	32,492	1/2	43,181	1/2	53,872	1/2	64,562	1/2	75,253	1/2	85,943	1/2	96,632
3/4	1,097	3/4	11,359	3/4	22,049	3/4	32,714	3/4	43,404	3/4	54,095	3/4	64,785	3/4	75,476	3/4	86,166	3/4	96,855
4	1,227	4	11,581	4	22,271	4	32,936	4	43,627	4	54,317	4	65,008	4	75,699	4	86,389	4	97,077
1/4	1,394	1/4	11,804	1/4	22,494	1/4	33,159	1/4	43,849	1/4	54,540	1/4	65,231	1/4	75,921	1/4	86,611	1/4	97,300
1/2	1,561	1/2	12,027	1/2	22,717	1/2	33,382	1/2	44,072	1/2	54,763	1/2	65,453	1/2	76,144	1/2	86,834	1/2	97,523
3/4	1,728	3/4	12,249	3/4	22,940	3/4	33,604	3/4	44,295	3/4	54,985	3/4	65,676	3/4	76,367	3/4	87,057	3/4	97,745
5	1,895	5	12,472	5	23,162	5	33,827	5	44,518	5	55,208	5	65,899	5	76,589	5	87,279	5	97,968
1/4	2,099	1/4	12,695	1/4	23,385	1/4	34,050	1/4	44,740	1/4	55,431	1/4	66,122	1/4	76,812	1/4	87,502	1/4	98,191
1/2	2,302	1/2	12,918	1/2	23,608	1/2	34,272	1/2	44,963	1/2	55,654	1/2	66,344	1/2	77,035	1/2	87,725	1/2	98,413
3/4	2,506	3/4	13,140	3/4	23,830	3/4	34,495	3/4	45,186	3/4	55,876	3/4	66,567	3/4	77,258	3/4	87,947	3/4	98,636
6	2,709	6	13,363	6	24,053	6	34,718	6	45,408	6	56,099	6	66,790	6	77,480	6	88,170	6	98,859
1/4	2,928	1/4	13,586	1/4	24,275	1/4	34,941	1/4	45,631	1/4	56,322	1/4	67,012	1/4	77,703	1/4	88,393	1/4	99,081
1/2	3,146	1/2	13,808	1/2	24,498	1/2	35,163	1/2	45,854	1/2	56,545	1/2	67,235	1/2	77,926	1/2	88,615	1/2	99,304
3/4	3,364	3/4	14,031	3/4	24,720	3/4	35,386	3/4	46,077	3/4	56,767	3/4	67,458	3/4	78,148	3/4	88,838	3/4	99,527
7	3,582	7	14,254	7	24,943	7	35,609	7	46,299	7	56,990	7	67,681	7	78,371	7	89,061	7	99,750
1/4	3,803	1/4	14,476	1/4	25,165	1/4	35,832	1/4	46,522	1/4	57,213	1/4	67,903	1/4	78,594	1/4	89,283	1/4	99,972
1/2	4,023	1/2	14,699	1/2	25,387	1/2	36,054	1/2	46,745	1/2	57,435	1/2	68,126	1/2	78,817	1/2	89,506	1/2	100,195
3/4	4,243	3/4	14,922	3/4	25,610	3/4	36,277	3/4	46,968	3/4	57,658	3/4	68,349	3/4	79,039	3/4	89,729	3/4	100,418
8	4,463	8	15,145	8	25,832	8	36,500	8	47,190	8	57,881	8	68,571	8	79,262	8	89,951	8	100,640
1/4	4,685	1/4	15,367	1/4	26,054	1/4	36,722	1/4	47,413	1/4	58,104	1/4	68,794	1/4	79,485	1/4	90,174	1/4	100,863
1/2	4,906	1/2	15,590	1/2	26,276	1/2	36,945	1/2	47,636	1/2	58,326	1/2	69,017	1/2	79,708	1/2	90,397	1/2	101,086
3/4	5,127	3/4	15,813	3/4	26,498	3/4	37,168	3/4	47,858	3/4	58,549	3/4	69,240	3/4	79,930	3/4	90,620	3/4	101,308
9	5,349	9	16,035	9	26,720	9	37,391	9	48,081	9	58,772	9	69,462	9	80,153	9	90,842	9	101,531
1/4	5,571	1/4	16,258	1/4	26,942	1/4	37,613	1/4	48,304	1/4	58,994	1/4	69,685	1/4	80,376	1/4	91,065	1/4	101,754
1/2	5,793	1/2	16,481	1/2	27,164	1/2	37,836	1/2	48,527	1/2	59,217	1/2	69,908	1/2	80,598	1/2	91,288	1/2	101,976
3/4	6,015	3/4	16,704	3/4	27,386	3/4	38,059	3/4	48,749	3/4	59,440	3/4	70,131	3/4	80,821	3/4	91,510	3/4	102,199
10	6,237	10	16,926	10	27,608	10	38,281	10	48,972	10	59,663	10	70,353	10	81,044	10	91,733	10	102,422
1/4	6,460	1/4	17,149	1/4	27,830	1/4	38,504	1/4	49,195	1/4	59,885	1/4	70,576	1/4	81,267	1/4	91,956	1/4	102,644
1/2	6,682	1/2	17,372	1/2	28,052	1/2	38,727	1/2	49,417	1/2	60,108	1/2	70,799	1/2	81,489	1/2	92,178	1/2	102,867
3/4	6,905	3/4	17,594	3/4	28,274	3/4	38,950	3/4	49,640	3/4	60,331	3/4	71,021	3/4	81,712	3/4	92,401	3/4	103,090
11	7,127	11	17,817	11	28,496	11	39,172	11	49,863	11	60,554	11	71,244	11	81,935	11	92,624	11	103,312
1/4	7,350	1/4	18,040	1/4	28,718	1/4	39,395	1/4	50,086	1/4	60,776	1/4	71,467	1/4	82,157	1/4	92,846	1/4	103,535
1/2	7,572	1/2	18,263	1/2	28,940	1/2	39,618	1/2	50,308	1/2	60,999	1/2	71,690	1/2	82,380	1/2	93,069	1/2	103,758
3/4	7,795	3/4	18,485	3/4	29,162	3/4	39,840	3/4	50,531	3/4	61,222	3/4	71,912	3/4	82,603	3/4	93,292	3/4	103,980

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT  
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 Pearland, Texas 77588  
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# BARGE "CBC 1391"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	104,203	0	114,892	0	125,581	0	136,211	0	146,808	0		0		0		0		0	
1/4	104,426	1/4	115,115	1/4	125,802	1/4	136,432	1/4	147,028	1/4		1/4		1/4		1/4		1/4	
1/2	104,649	1/2	115,337	1/2	126,024	1/2	136,654	1/2	147,247	1/2		1/2		1/2		1/2		1/2	
3/4	104,871	3/4	115,560	3/4	126,245	3/4	136,875	3/4	147,467	3/4		3/4		3/4		3/4		3/4	
1	105,094	1	115,783	1	126,467	1	137,097	1	147,686	1		1		1		1		1	
1/4	105,317	1/4	116,005	1/4	126,688	1/4	137,318	1/4	147,905	1/4		1/4		1/4		1/4		1/4	
1/2	105,539	1/2	116,228	1/2	126,910	1/2	137,540	1/2	148,125	1/2		1/2		1/2		1/2		1/2	
3/4	105,762	3/4	116,451	3/4	127,131	3/4	137,761	3/4	148,344	3/4		3/4		3/4		3/4		3/4	
2	105,985	2	116,673	2	127,352	2	137,983	2	148,564	2		2		2		2		2	
1/4	106,207	1/4	116,896	1/4	127,574	1/4	138,204	1/4	148,765	1/4		1/4		1/4		1/4		1/4	
1/2	106,430	1/2	117,119	1/2	127,795	1/2	138,426	1/2	148,965	1/2		1/2		1/2		1/2		1/2	
3/4	106,653	3/4	117,341	3/4	128,017	3/4	138,647	3/4	149,166	3/4		3/4		3/4		3/4		3/4	
3	106,875	3	117,564	3	128,238	3	138,869	3	149,367	3		3		3		3		3	
1/4	107,098	1/4	117,787	1/4	128,460	1/4	139,090	1/4	149,531	1/4		1/4		1/4		1/4		1/4	
1/2	107,321	1/2	118,010	1/2	128,681	1/2	139,311	1/2	149,695	1/2		1/2		1/2		1/2		1/2	
3/4	107,543	3/4	118,232	3/4	128,903	3/4	139,533	3/4	149,858	3/4		3/4		3/4		3/4		3/4	
4	107,766	4	118,455	4	129,124	4	139,754	4	150,022	4		4		4		4		4	
1/4	107,989	1/4	118,678	1/4	129,346	1/4	139,976	1/4	150,149	1/4		1/4		1/4		1/4		1/4	
1/2	108,211	1/2	118,900	1/2	129,567	1/2	140,197	1/2	150,275	1/2		1/2		1/2		1/2		1/2	
3/4	108,434	3/4	119,123	3/4	129,789	3/4	140,419	3/4	150,402	3/4		3/4		3/4		3/4		3/4	
5	108,657	5	119,346	5	130,010	5	140,640	5	150,529	5		5		5		5		5	
1/4	108,880	1/4	119,568	1/4	130,231	1/4	140,862	1/4	150,618	1/4		1/4		1/4		1/4		1/4	
1/2	109,102	1/2	119,791	1/2	130,453	1/2	141,083	1/2	150,708	1/2		1/2		1/2		1/2		1/2	
3/4	109,325	3/4	120,014	3/4	130,674	3/4	141,305	3/4	150,797	3/4		3/4		3/4		3/4		3/4	
6	109,548	6	120,236	6	130,896	6	141,526	6	150,887	6		6		6		6		6	
1/4	109,770	1/4	120,459	1/4	131,117	1/4	141,748	1/4	150,939	1/4		1/4		1/4		1/4		1/4	
1/2	109,993	1/2	120,682	1/2	131,339	1/2	141,969	1/2	150,991	1/2		1/2		1/2		1/2		1/2	
3/4	110,216	3/4	120,904	3/4	131,560	3/4	142,190	3/4	151,044	3/4		3/4		3/4		3/4		3/4	
7	110,438	7	121,127	7	131,782	7	142,412	7	151,096	7		7		7		7		7	
1/4	110,661	1/4	121,350	1/4	132,003	1/4	142,633	1/4	151,111	1/4		1/4		1/4		1/4		1/4	
1/2	110,884	1/2	121,572	1/2	132,225	1/2	142,855	1/2	151,127	1/2		1/2		1/2		1/2		1/2	
3/4	111,106	3/4	121,795	3/4	132,446	3/4	143,076	3/4		3/4		3/4		3/4		3/4		3/4	
8	111,329	8	122,018	8	132,668	8	143,298	8		8		8		8		8		8	
1/4	111,552	1/4	122,241	1/4	132,889	1/4	143,517	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,774	1/2	122,463	1/2	133,110	1/2	143,737	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	111,997	3/4	122,686	3/4	133,332	3/4	143,956	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,220	9	122,909	9	133,553	9	144,175	9		9		9		9		9		9	
1/4	112,442	1/4	123,131	1/4	133,775	1/4	144,395	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,665	1/2	123,354	1/2	133,996	1/2	144,614	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,888	3/4	123,577	3/4	134,218	3/4	144,834	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,111	10	123,799	10	134,439	10	145,053	10		10		10		10		10		10	
1/4	113,333	1/4	124,022	1/4	134,661	1/4	145,272	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,556	1/2	124,245	1/2	134,882	1/2	145,492	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,779	3/4	124,467	3/4	135,104	3/4	145,711	3/4		3/4		3/4		3/4		3/4		3/4	
11	114,001	11	124,690	11	135,325	11	145,931	11		11		11		11		11		11	
1/4	114,224	1/4	124,913	1/4	135,547	1/4	146,150	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,447	1/2	125,135	1/2	135,768	1/2	146,370	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,669	3/4	125,358	3/4	135,989	3/4	146,589	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/19/2017 CL  
CALCULATED: 04/19/2017 CL  
PRINTED: 04/19/2017 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2017

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "CBC 1391"

## ULLAGE TRIM TABLE

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

(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 - 00-1/2"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 1/2"

LENGTH BETWEEN DRAFT MARKS: 161'-09"

April 19, 2017

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

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# BARGE "CBC 1391"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	
0	0	0	0	147,316	0	139,470	0	130,043	0	120,597	0	111,136	0	100,509	0	89,739	0	78,968		
1/4	1/4	1/4	1/4	147,300	1/4	139,273	1/4	129,847	1/4	120,400	1/4	110,939	1/4	100,284	1/4	89,514	1/4	78,743		
1/2	1/2	1/2	1/2	147,247	1/2	139,076	1/2	129,651	1/2	120,202	1/2	110,742	1/2	100,060	1/2	89,290	1/2	78,519		
3/4	3/4	3/4	3/4	147,193	3/4	138,880	3/4	129,455	3/4	120,005	3/4	110,545	3/4	99,836	3/4	89,065	3/4	78,295		
1	1	1	1	147,140	1	138,683	1	129,259	1	119,808	1	110,348	1	99,611	1	88,841	1	78,070		
1/4	1/4	1/4	1/4	147,086	1/4	138,486	1/4	129,063	1/4	119,611	1/4	110,151	1/4	99,387	1/4	88,617	1/4	77,846		
1/2	1/2	1/2	1/2	146,995	1/2	138,290	1/2	128,867	1/2	119,414	1/2	109,927	1/2	99,162	1/2	88,392	1/2	77,621		
3/4	3/4	3/4	3/4	146,904	3/4	138,093	3/4	128,670	3/4	119,217	3/4	109,703	3/4	98,938	3/4	88,168	3/4	77,397		
2	2	2	2	146,813	2	137,896	2	128,473	2	119,019	2	109,479	2	98,714	2	87,944	2	77,172		
1/4	1/4	1/4	1/4	146,722	1/4	137,700	1/4	128,277	1/4	118,822	1/4	109,255	1/4	98,489	1/4	87,719	1/4	76,948		
1/2	1/2	1/2	1/2	146,593	1/2	137,503	1/2	128,080	1/2	118,625	1/2	109,030	1/2	98,265	1/2	87,495	1/2	76,724		
3/4	3/4	3/4	3/4	146,465	3/4	137,306	3/4	127,883	3/4	118,428	3/4	108,806	3/4	98,041	3/4	87,270	3/4	76,501		
3	3	3	3	146,336	3	137,110	3	127,687	3	118,231	3	108,582	3	97,816	3	87,046	3	76,277		
1/4	1/4	1/4	1/4	146,208	1/4	136,913	1/4	127,490	1/4	118,033	1/4	108,358	1/4	97,592	1/4	86,822	1/4	76,053		
1/2	1/2	1/2	1/2	146,042	1/2	136,716	1/2	127,293	1/2	117,836	1/2	108,134	1/2	97,367	1/2	86,597	1/2	75,830		
3/4	3/4	3/4	3/4	145,876	3/4	136,520	3/4	127,097	3/4	117,639	3/4	107,910	3/4	97,143	3/4	86,373	3/4	75,608		
4	4	4	4	145,710	4	136,323	4	126,900	4	117,442	4	107,686	4	96,919	4	86,148	4	75,385		
1/4	1/4	1/4	1/4	145,544	1/4	136,126	1/4	126,703	1/4	117,245	1/4	107,462	1/4	96,694	1/4	85,924	1/4	75,162		
1/2	1/2	1/2	1/2	145,340	1/2	135,930	1/2	126,507	1/2	117,047	1/2	107,237	1/2	96,470	1/2	85,700	1/2	74,939		
3/4	3/4	3/4	3/4	145,137	3/4	135,733	3/4	126,310	3/4	116,850	3/4	107,013	3/4	96,246	3/4	85,475	3/4	74,716		
5	5	5	5	144,933	5	135,536	5	126,113	5	116,653	5	106,789	5	96,021	5	85,251	5	74,493		
1/4	1/4	1/4	1/4	144,730	1/4	135,340	1/4	125,917	1/4	116,456	1/4	106,565	1/4	95,797	1/4	85,027	1/4	74,270		
1/2	1/2	1/2	1/2	144,535	1/2	135,143	1/2	125,720	1/2	116,259	1/2	106,341	1/2	95,572	1/2	84,802	1/2	74,047		
3/4	3/4	3/4	3/4	144,341	3/4	134,946	3/4	125,523	3/4	116,062	3/4	106,117	3/4	95,348	3/4	84,578	3/4	73,824		
6	6	6	6	144,146	6	134,750	6	125,327	6	115,864	6	105,893	6	95,124	6	84,353	6	73,601		
1/4	1/4	1/4	1/4	143,951	1/4	134,553	1/4	125,130	1/4	115,667	1/4	105,668	1/4	94,899	1/4	84,129	1/4	73,378		
1/2	1/2	1/2	1/2	143,757	1/2	134,356	1/2	124,933	1/2	115,470	1/2	105,444	1/2	94,675	1/2	83,905	1/2	73,155		
3/4	3/4	3/4	3/4	143,562	3/4	134,160	3/4	124,737	3/4	115,273	3/4	105,220	3/4	94,451	3/4	83,680	3/4	72,932		
7	7	7	7	143,368	7	133,963	7	124,540	7	115,076	7	104,996	7	94,226	7	83,456	7	72,709		
1/4	1/4	1/4	1/4	143,173	1/4	133,766	1/4	124,343	1/4	114,878	1/4	104,772	1/4	94,002	1/4	83,232	1/4	72,486		
1/2	1/2	1/2	1/2	142,978	1/2	133,570	1/2	124,146	1/2	114,681	1/2	104,548	1/2	93,777	1/2	83,007	1/2	72,263		
3/4	3/4	3/4	3/4	142,784	3/4	133,374	3/4	123,949	3/4	114,484	3/4	104,323	3/4	93,553	3/4	82,783	3/4	72,040		
8	8	8	8	142,589	8	133,178	8	123,752	8	114,287	8	104,099	8	93,329	8	82,558	8	71,817		
1/4	1/4	1/4	1/4	142,395	1/4	132,983	1/4	123,555	1/4	114,090	1/4	103,874	1/4	93,104	1/4	82,334	1/4	71,594		
1/2	1/2	1/2	1/2	142,200	1/2	132,787	1/2	123,357	1/2	113,894	1/2	103,650	1/2	92,880	1/2	82,110	1/2	71,371		
3/4	3/4	3/4	3/4	142,005	3/4	132,591	3/4	123,160	3/4	113,697	3/4	103,426	3/4	92,655	3/4	81,885	3/4	71,148		
9	9	9	9	141,811	9	132,395	9	122,963	9	113,500	9	103,201	9	92,431	9	81,661	9	70,925		
1/4	1/4	1/4	1/4	141,616	1/4	132,199	1/4	122,766	1/4	113,303	1/4	102,977	1/4	92,207	1/4	81,436	1/4	70,702		
1/2	1/2	1/2	1/2	141,422	1/2	132,003	1/2	122,569	1/2	113,106	1/2	102,753	1/2	91,982	1/2	81,212	1/2	70,479		
3/4	3/4	3/4	3/4	141,227	3/4	131,807	3/4	122,372	3/4	112,909	3/4	102,528	3/4	91,758	3/4	80,987	3/4	70,256		
10	10	10	10	141,033	10	131,611	10	122,174	10	112,712	10	102,304	10	91,534	10	80,763	10	70,033		
1/4	1/4	1/4	1/4	140,838	1/4	131,415	1/4	121,977	1/4	112,515	1/4	102,079	1/4	91,309	1/4	80,539	1/4	69,811		
1/2	1/2	1/2	1/2	140,643	1/2	131,219	1/2	121,780	1/2	112,318	1/2	101,855	1/2	91,085	1/2	80,314	1/2	69,587		
3/4	3/4	3/4	3/4	140,449	3/4	131,023	3/4	121,583	3/4	112,121	3/4	101,631	3/4	90,860	3/4	80,090	3/4	69,363		
11	11	11	11	140,254	11	130,827	11	121,386	11	111,924	11	101,406	11	90,636	11	79,865	11	69,139		
1/4	1/4	1/4	1/4	140,060	1/4	130,631	1/4	121,188	1/4	111,727	1/4	101,182	1/4	90,412	1/4	79,641	1/4	68,916		
1/2	1/2	1/2	1/2	139,863	1/2	130,435	1/2	120,991	1/2	111,530	1/2	100,958	1/2	90,187	1/2	79,417	1/2	68,692		
3/4	3/4	3/4	3/4	147,332	3/4	139,666	3/4	130,239	3/4	120,794	3/4	111,333	3/4	100,733	3/4	89,963	3/4	79,192	3/4	68,468

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE  
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 29'-09" FORWARD OF AFT BULKHEAD

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



# BARGE "CBC 1391"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 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	68,244	0	57,481	0	46,714	0	35,947	0	25,382	0	14,618	0	3,839	0		0			0
1/4	68,021	1/4	57,256	1/4	46,489	1/4	35,723	1/4	25,163	1/4	14,393	1/4	3,617	1/4		0			1/4
1/2	67,797	1/2	57,032	1/2	46,265	1/2	35,498	1/2	24,945	1/2	14,168	1/2	3,396	1/2		1/2			1/2
3/4	67,573	3/4	56,808	3/4	46,041	3/4	35,274	3/4	24,726	3/4	13,943	3/4	3,176	3/4		3/4			3/4
1	67,350	1	56,583	1	45,816	1	35,050	1	24,507	1	13,718	1	2,956	1		1			1
1/4	67,126	1/4	56,359	1/4	45,592	1/4	34,825	1/4	24,288	1/4	13,493	1/4	2,735	1/4		1/4			1/4
1/2	66,902	1/2	56,135	1/2	45,368	1/2	34,601	1/2	24,063	1/2	13,268	1/2	2,530	1/2		1/2			1/2
3/4	66,677	3/4	55,910	3/4	45,144	3/4	34,377	3/4	23,838	3/4	13,043	3/4	2,324	3/4		3/4			3/4
2	66,453	2	55,686	2	44,919	2	34,152	2	23,613	2	12,818	2	2,119	2		2			2
1/4	66,229	1/4	55,462	1/4	44,695	1/4	33,928	1/4	23,388	1/4	12,594	1/4	1,913	1/4		1/4			1/4
1/2	66,004	1/2	55,237	1/2	44,471	1/2	33,704	1/2	23,163	1/2	12,369	1/2	1,744	1/2		1/2			1/2
3/4	65,780	3/4	55,013	3/4	44,246	3/4	33,479	3/4	22,939	3/4	12,144	3/4	1,576	3/4		3/4			3/4
3	65,556	3	54,789	3	44,022	3	33,255	3	22,714	3	11,919	3	1,407	3		3			3
1/4	65,331	1/4	54,565	1/4	43,798	1/4	33,031	1/4	22,489	1/4	11,694	1/4	1,239	1/4		1/4			1/4
1/2	65,107	1/2	54,340	1/2	43,573	1/2	32,812	1/2	22,264	1/2	11,469	1/2	1,107	1/2		1/2			1/2
3/4	64,883	3/4	54,116	3/4	43,349	3/4	32,594	3/4	22,039	3/4	11,244	3/4	976	3/4		3/4			3/4
4	64,658	4	53,892	4	43,125	4	32,375	4	21,814	4	11,019	4	845	4		4			4
1/4	64,434	1/4	53,667	1/4	42,900	1/4	32,157	1/4	21,589	1/4	10,794	1/4	714	1/4		1/4			1/4
1/2	64,210	1/2	53,443	1/2	42,676	1/2	31,938	1/2	21,364	1/2	10,570	1/2	620	1/2		1/2			1/2
3/4	63,986	3/4	53,219	3/4	42,452	3/4	31,720	3/4	21,139	3/4	10,345	3/4	527	3/4		3/4			3/4
5	63,761	5	52,994	5	42,227	5	31,501	5	20,915	5	10,120	5	433	5		5			5
1/4	63,537	1/4	52,770	1/4	42,003	1/4	31,283	1/4	20,690	1/4	9,895	1/4	339	1/4		1/4			1/4
1/2	63,313	1/2	52,546	1/2	41,779	1/2	31,064	1/2	20,465	1/2	9,670	1/2	283	1/2		1/2			1/2
3/4	63,088	3/4	52,321	3/4	41,555	3/4	30,846	3/4	20,240	3/4	9,445	3/4	227	3/4		3/4			3/4
6	62,864	6	52,097	6	41,330	6	30,627	6	20,015	6	9,220	6	171	6		6			6
1/4	62,640	1/4	51,873	1/4	41,106	1/4	30,409	1/4	19,790	1/4	8,995	1/4	114	1/4		1/4			1/4
1/2	62,415	1/2	51,648	1/2	40,882	1/2	30,190	1/2	19,565	1/2	8,770	1/2	96	1/2		1/2			1/2
3/4	62,191	3/4	51,424	3/4	40,657	3/4	29,972	3/4	19,340	3/4	8,546	3/4	77	3/4		3/4			3/4
7	61,967	7	51,200	7	40,433	7	29,753	7	19,115	7	8,321	7	58	7		7			7
1/4	61,742	1/4	50,976	1/4	40,209	1/4	29,535	1/4	18,891	1/4	8,096	1/4	39	1/4		1/4			1/4
1/2	61,518	1/2	50,751	1/2	39,984	1/2	29,316	1/2	18,666	1/2	7,871	1/2		1/2		1/2			1/2
3/4	61,294	3/4	50,527	3/4	39,760	3/4	29,098	3/4	18,441	3/4	7,646	3/4		3/4		3/4			3/4
8	61,070	8	50,303	8	39,536	8	28,879	8	18,216	8	7,421	8		8		8			8
1/4	60,845	1/4	50,078	1/4	39,311	1/4	28,661	1/4	17,991	1/4	7,196	1/4		1/4		1/4			1/4
1/2	60,621	1/2	49,854	1/2	39,087	1/2	28,442	1/2	17,766	1/2	6,972	1/2		1/2		1/2			1/2
3/4	60,397	3/4	49,630	3/4	38,863	3/4	28,224	3/4	17,541	3/4	6,747	3/4		3/4		3/4			3/4
9	60,172	9	49,405	9	38,639	9	28,005	9	17,316	9	6,522	9		9		9			9
1/4	59,948	1/4	49,181	1/4	38,414	1/4	27,787	1/4	17,091	1/4	6,297	1/4		1/4		1/4			1/4
1/2	59,724	1/2	48,957	1/2	38,190	1/2	27,568	1/2	16,867	1/2	6,073	1/2		1/2		1/2			1/2
3/4	59,499	3/4	48,732	3/4	37,966	3/4	27,350	3/4	16,642	3/4	5,849	3/4		3/4		3/4			3/4
10	59,275	10	48,508	10	37,741	10	27,131	10	16,417	10	5,625	10		10		10			10
1/4	59,051	1/4	48,284	1/4	37,517	1/4	26,913	1/4	16,192	1/4	5,400	1/4		1/4		1/4			1/4
1/2	58,826	1/2	48,060	1/2	37,293	1/2	26,694	1/2	15,967	1/2	5,177	1/2		1/2		1/2			1/2
3/4	58,602	3/4	47,835	3/4	37,068	3/4	26,476	3/4	15,742	3/4	4,953	3/4		3/4		3/4			3/4
11	58,378	11	47,611	11	36,844	11	26,257	11	15,517	11	4,730	11		11		11			11
1/4	58,153	1/4	47,387	1/4	36,620	1/4	26,039	1/4	15,292	1/4	4,506	1/4		1/4		1/4			1/4
1/2	57,929	1/2	47,162	1/2	36,395	1/2	25,820	1/2	15,067	1/2	4,284	1/2		1/2		1/2			1/2
3/4	57,705	3/4	46,938	3/4	36,171	3/4	25,601	3/4	14,842	3/4	4,062	3/4		3/4		3/4			3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/19/2017 CL  
CALCULATED: 04/19/2017 CL  
PRINTED: 04/19/2017 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2017

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "CBC 1391"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	162,062	0	150,041	0	137,997	0	125,907	0	113,817	0	101,727	0	89,636
1/4		1/4	1/4	1/4	1/4	1/4	161,813	1/4	149,791	1/4	137,745	1/4	125,655	1/4	113,565	1/4	101,475	1/4	89,384
1/2		1/2	1/2	1/2	1/2	1/2	161,563	1/2	149,540	1/2	137,493	1/2	125,403	1/2	113,313	1/2	101,223	1/2	89,132
3/4		3/4	3/4	3/4	3/4	3/4	170,668	3/4	161,313	3/4	149,290	3/4	137,241	3/4	125,151	3/4	113,061	3/4	100,971
1		1		1		1	170,651	1	161,062	1	149,039	1	136,990	1	124,899	1	112,809	1	100,719
1/4		1/4	1/4	1/4	1/4	1/4	170,633	1/4	160,812	1/4	148,789	1/4	136,738	1/4	124,648	1/4	112,557	1/4	100,467
1/2		1/2	1/2	1/2	1/2	1/2	170,574	1/2	160,561	1/2	148,538	1/2	136,486	1/2	124,396	1/2	112,306	1/2	100,215
3/4		3/4	3/4	3/4	3/4	3/4	170,515	3/4	160,311	3/4	148,288	3/4	136,234	3/4	124,144	3/4	112,054	3/4	99,964
2		2		2		2	170,456	2	160,060	2	148,037	2	135,982	2	123,892	2	111,802	2	99,712
1/4		1/4	1/4	1/4	1/4	1/4	170,396	1/4	159,810	1/4	147,787	1/4	135,730	1/4	123,640	1/4	111,550	1/4	99,460
1/2		1/2	1/2	1/2	1/2	1/2	170,295	1/2	159,559	1/2	147,536	1/2	135,478	1/2	123,388	1/2	111,298	1/2	99,208
3/4		3/4	3/4	3/4	3/4	3/4	170,194	3/4	159,309	3/4	147,286	3/4	135,226	3/4	123,136	3/4	111,046	3/4	98,956
3		3		3		3	170,093	3	159,058	3	147,035	3	134,975	3	122,884	3	110,794	3	98,704
1/4		1/4	1/4	1/4	1/4	1/4	169,992	1/4	158,808	1/4	146,785	1/4	134,723	1/4	122,633	1/4	110,542	1/4	98,452
1/2		1/2	1/2	1/2	1/2	1/2	169,848	1/2	158,557	1/2	146,534	1/2	134,471	1/2	122,381	1/2	110,291	1/2	98,200
3/4		3/4	3/4	3/4	3/4	3/4	169,705	3/4	158,307	3/4	146,284	3/4	134,219	3/4	122,129	3/4	110,039	3/4	97,949
4		4		4		4	169,562	4	158,056	4	146,033	4	133,967	4	121,877	4	109,787	4	97,697
1/4		1/4	1/4	1/4	1/4	1/4	169,419	1/4	157,806	1/4	145,783	1/4	133,715	1/4	121,625	1/4	109,535	1/4	97,445
1/2		1/2	1/2	1/2	1/2	1/2	169,234	1/2	157,555	1/2	145,532	1/2	133,463	1/2	121,373	1/2	109,283	1/2	97,193
3/4		3/4	3/4	3/4	3/4	3/4	169,048	3/4	157,305	3/4	145,282	3/4	133,211	3/4	121,121	3/4	109,031	3/4	96,941
5		5		5		5	168,863	5	157,054	5	145,031	5	132,960	5	120,869	5	108,779	5	96,689
1/4		1/4	1/4	1/4	1/4	1/4	168,678	1/4	156,804	1/4	144,781	1/4	132,708	1/4	120,618	1/4	108,527	1/4	96,437
1/2		1/2	1/2	1/2	1/2	1/2	168,451	1/2	156,553	1/2	144,531	1/2	132,456	1/2	120,366	1/2	108,276	1/2	96,185
3/4		3/4	3/4	3/4	3/4	3/4	168,224	3/4	156,303	3/4	144,280	3/4	132,204	3/4	120,114	3/4	108,024	3/4	95,933
6		6		6		6	167,997	6	156,052	6	144,030	6	131,952	6	119,862	6	107,772	6	95,682
1/4		1/4	1/4	1/4	1/4	1/4	167,769	1/4	155,802	1/4	143,779	1/4	131,700	1/4	119,610	1/4	107,520	1/4	95,430
1/2		1/2	1/2	1/2	1/2	1/2	167,521	1/2	155,552	1/2	143,529	1/2	131,448	1/2	119,358	1/2	107,268	1/2	95,178
3/4		3/4	3/4	3/4	3/4	3/4	167,273	3/4	155,301	3/4	143,278	3/4	131,196	3/4	119,106	3/4	107,016	3/4	94,926
7		7		7		7	167,025	7	155,051	7	143,028	7	130,945	7	118,854	7	106,764	7	94,674
1/4		1/4	1/4	1/4	1/4	1/4	166,777	1/4	154,800	1/4	142,777	1/4	130,693	1/4	118,602	1/4	106,512	1/4	94,422
1/2		1/2	1/2	1/2	1/2	1/2	166,529	1/2	154,550	1/2	142,527	1/2	130,441	1/2	118,351	1/2	106,260	1/2	94,170
3/4		3/4	3/4	3/4	3/4	3/4	166,280	3/4	154,299	3/4	142,276	3/4	130,189	3/4	118,099	3/4	106,009	3/4	93,918
8		8		8		8	166,032	8	154,049	8	142,026	8	129,937	8	117,847	8	105,757	8	93,667
1/4		1/4	1/4	1/4	1/4	1/4	165,784	1/4	153,798	1/4	141,775	1/4	129,685	1/4	117,595	1/4	105,505	1/4	93,415
1/2		1/2	1/2	1/2	1/2	1/2	165,536	1/2	153,548	1/2	141,523	1/2	129,433	1/2	117,343	1/2	105,253	1/2	93,163
3/4		3/4	3/4	3/4	3/4	3/4	165,288	3/4	153,297	3/4	141,272	3/4	129,181	3/4	117,091	3/4	105,001	3/4	92,911
9		9		9		9	165,040	9	153,047	9	141,020	9	128,929	9	116,839	9	104,749	9	92,659
1/4		1/4	1/4	1/4	1/4	1/4	164,791	1/4	152,796	1/4	140,768	1/4	128,678	1/4	116,587	1/4	104,497	1/4	92,407
1/2		1/2	1/2	1/2	1/2	1/2	164,543	1/2	152,546	1/2	140,516	1/2	128,426	1/2	116,336	1/2	104,245	1/2	92,155
3/4		3/4	3/4	3/4	3/4	3/4	164,295	3/4	152,295	3/4	140,264	3/4	128,174	3/4	116,084	3/4	103,994	3/4	91,903
10		10		10		10	164,047	10	152,045	10	140,012	10	127,922	10	115,832	10	103,742	10	91,651
1/4		1/4	1/4	1/4	1/4	1/4	163,799	1/4	151,794	1/4	139,760	1/4	127,670	1/4	115,580	1/4	103,490	1/4	91,399
1/2		1/2	1/2	1/2	1/2	1/2	163,551	1/2	151,544	1/2	139,508	1/2	127,418	1/2	115,328	1/2	103,238	1/2	91,147
3/4		3/4	3/4	3/4	3/4	3/4	163,302	3/4	151,293	3/4	139,256	3/4	127,166	3/4	115,076	3/4	102,986	3/4	90,895
11		11		11		11	163,054	11	151,043	11	139,005	11	126,914	11	114,824	11	102,734	11	90,644
1/4		1/4	1/4	1/4	1/4	1/4	162,806	1/4	150,792	1/4	138,753	1/4	126,663	1/4	114,572	1/4	102,482	1/4	90,392
1/2		1/2	1/2	1/2	1/2	1/2	162,558	1/2	150,542	1/2	138,501	1/2	126,411	1/2	114,321	1/2	102,230	1/2	90,140
3/4		3/4	3/4	3/4	3/4	3/4	162,310	3/4	150,291	3/4	138,249	3/4	126,159	3/4	114,069	3/4	101,979	3/4	89,888

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "CBC 1391"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	77,544	0	65,451	0	53,359	0	41,267	0	29,433	0	17,377	0	5,294	0		0		0	
1/4	77,292	1/4	65,200	1/4	53,107	1/4	41,015	1/4	29,189	1/4	17,125	1/4	5,043	1/4		1/4		1/4	
1/2	77,040	1/2	64,948	1/2	52,855	1/2	40,763	1/2	28,944	1/2	16,873	1/2	4,794	1/2		1/2		1/2	
3/4	76,788	3/4	64,696	3/4	52,603	3/4	40,511	3/4	28,699	3/4	16,621	3/4	4,545	3/4		3/4		3/4	
1	76,536	1	64,444	1	52,352	1	40,259	1	28,454	1	16,370	1	4,296	1		1		1	
1/4	76,284	1/4	64,192	1/4	52,100	1/4	40,007	1/4	28,209	1/4	16,118	1/4	4,047	1/4		1/4		1/4	
1/2	76,032	1/2	63,940	1/2	51,848	1/2	39,755	1/2	27,958	1/2	15,866	1/2	3,800	1/2		1/2		1/2	
3/4	75,780	3/4	63,688	3/4	51,596	3/4	39,504	3/4	27,706	3/4	15,614	3/4	3,553	3/4		3/4		3/4	
2	75,528	2	63,436	2	51,344	2	39,252	2	27,454	2	15,362	2	3,306	2		2		2	
1/4	75,276	1/4	63,184	1/4	51,092	1/4	39,000	1/4	27,202	1/4	15,110	1/4	3,060	1/4		1/4		1/4	
1/2	75,024	1/2	62,932	1/2	50,840	1/2	38,748	1/2	26,950	1/2	14,858	1/2	2,829	1/2		1/2		1/2	
3/4	74,773	3/4	62,680	3/4	50,588	3/4	38,496	3/4	26,698	3/4	14,606	3/4	2,599	3/4		3/4		3/4	
3	74,521	3	62,428	3	50,336	3	38,244	3	26,446	3	14,354	3	2,369	3		3		3	
1/4	74,269	1/4	62,176	1/4	50,084	1/4	37,992	1/4	26,194	1/4	14,102	1/4	2,139	1/4		1/4		1/4	
1/2	74,017	1/2	61,925	1/2	49,832	1/2	37,747	1/2	25,942	1/2	13,850	1/2	1,950	1/2		1/2		1/2	
3/4	73,765	3/4	61,673	3/4	49,580	3/4	37,502	3/4	25,690	3/4	13,599	3/4	1,761	3/4		3/4		3/4	
4	73,513	4	61,421	4	49,328	4	37,257	4	25,438	4	13,347	4	1,572	4		4		4	
1/4	73,261	1/4	61,169	1/4	49,077	1/4	37,013	1/4	25,186	1/4	13,095	1/4	1,383	1/4		1/4		1/4	
1/2	73,009	1/2	60,917	1/2	48,825	1/2	36,768	1/2	24,935	1/2	12,843	1/2	1,236	1/2		1/2		1/2	
3/4	72,757	3/4	60,665	3/4	48,573	3/4	36,524	3/4	24,683	3/4	12,591	3/4	1,089	3/4		3/4		3/4	
5	72,505	5	60,413	5	48,321	5	36,279	5	24,431	5	12,339	5	942	5		5		5	
1/4	72,253	1/4	60,161	1/4	48,069	1/4	36,035	1/4	24,179	1/4	12,087	1/4	795	1/4		1/4		1/4	
1/2	72,001	1/2	59,909	1/2	47,817	1/2	35,790	1/2	23,927	1/2	11,835	1/2	690	1/2		1/2		1/2	
3/4	71,749	3/4	59,657	3/4	47,565	3/4	35,546	3/4	23,675	3/4	11,583	3/4	585	3/4		3/4		3/4	
6	71,498	6	59,405	6	47,313	6	35,301	6	23,423	6	11,331	6	480	6		6		6	
1/4	71,246	1/4	59,153	1/4	47,061	1/4	35,057	1/4	23,171	1/4	11,079	1/4	375	1/4		1/4		1/4	
1/2	70,994	1/2	58,902	1/2	46,809	1/2	34,812	1/2	22,919	1/2	10,827	1/2	312	1/2		1/2		1/2	
3/4	70,742	3/4	58,650	3/4	46,557	3/4	34,568	3/4	22,667	3/4	10,576	3/4	249	3/4		3/4		3/4	
7	70,490	7	58,398	7	46,305	7	34,323	7	22,415	7	10,324	7	186	7		7		7	
1/4	70,238	1/4	58,146	1/4	46,054	1/4	34,079	1/4	22,164	1/4	10,072	1/4	123	1/4		1/4		1/4	
1/2	69,986	1/2	57,894	1/2	45,802	1/2	33,834	1/2	21,912	1/2	9,820	1/2	102	1/2		1/2		1/2	
3/4	69,734	3/4	57,642	3/4	45,550	3/4	33,590	3/4	21,660	3/4	9,568	3/4	81	3/4		3/4		3/4	
8	69,482	8	57,390	8	45,298	8	33,345	8	21,408	8	9,316	8	60	8		8		8	
1/4	69,230	1/4	57,138	1/4	45,046	1/4	33,101	1/4	21,156	1/4	9,064	1/4	39	1/4		1/4		1/4	
1/2	68,978	1/2	56,886	1/2	44,794	1/2	32,856	1/2	20,904	1/2	8,812	1/2		1/2		1/2		1/2	
3/4	68,726	3/4	56,634	3/4	44,542	3/4	32,612	3/4	20,652	3/4	8,560	3/4		3/4		3/4		3/4	
9	68,475	9	56,382	9	44,290	9	32,367	9	20,400	9	8,308	9		9		9		9	
1/4	68,223	1/4	56,130	1/4	44,038	1/4	32,123	1/4	20,148	1/4	8,057	1/4		1/4		1/4		1/4	
1/2	67,971	1/2	55,878	1/2	43,786	1/2	31,878	1/2	19,896	1/2	7,805	1/2		1/2		1/2		1/2	
3/4	67,719	3/4	55,627	3/4	43,534	3/4	31,634	3/4	19,644	3/4	7,553	3/4		3/4		3/4		3/4	
10	67,467	10	55,375	10	43,282	10	31,389	10	19,393	10	7,301	10		10		10		10	
1/4	67,215	1/4	55,123	1/4	43,030	1/4	31,145	1/4	19,141	1/4	7,050	1/4		1/4		1/4		1/4	
1/2	66,963	1/2	54,871	1/2	42,779	1/2	30,900	1/2	18,889	1/2	6,799	1/2		1/2		1/2		1/2	
3/4	66,711	3/4	54,619	3/4	42,527	3/4	30,656	3/4	18,637	3/4	6,547	3/4		3/4		3/4		3/4	
11	66,459	11	54,367	11	42,275	11	30,411	11	18,385	11	6,296	11		11		11		11	
1/4	66,207	1/4	54,115	1/4	42,023	1/4	30,167	1/4	18,133	1/4	6,045	1/4		1/4		1/4		1/4	
1/2	65,955	1/2	53,863	1/2	41,771	1/2	29,922	1/2	17,881	1/2	5,795	1/2		1/2		1/2		1/2	
3/4	65,703	3/4	53,611	3/4	41,519	3/4	29,678	3/4	17,629	3/4	5,544	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/19/2017 CL  
CALCULATED: 04/19/2017 CL  
PRINTED: 04/19/2017 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2017

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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<http://www.pmacorp.net>



# BARGE "CBC 1391"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	143,298	0	132,668	0	122,018	0	111,329	0	100,640	0	89,951	0	79,262
1/4	1/4	1/4	1/4	1/4	1/4	1/4	143,076	1/4	132,446	1/4	121,795	1/4	111,106	1/4	100,418	1/4	89,729	1/4	79,039
1/2	1/2	1/2	1/2	1/2	151,127	1/2	142,855	1/2	132,225	1/2	121,572	1/2	110,884	1/2	100,195	1/2	89,506	1/2	78,817
3/4	3/4	3/4	3/4	3/4	151,111	3/4	142,633	3/4	132,003	3/4	121,350	3/4	110,661	3/4	99,972	3/4	89,283	3/4	78,594
1	1	1	1	1	151,096	1	142,412	1	131,782	1	121,127	1	110,438	1	99,750	1	89,061	1	78,371
1/4	1/4	1/4	1/4	1/4	151,044	1/4	142,190	1/4	131,560	1/4	120,904	1/4	110,216	1/4	99,527	1/4	88,838	1/4	78,148
1/2	1/2	1/2	1/2	1/2	150,991	1/2	141,969	1/2	131,339	1/2	120,682	1/2	109,993	1/2	99,304	1/2	88,615	1/2	77,926
3/4	3/4	3/4	3/4	3/4	150,939	3/4	141,748	3/4	131,117	3/4	120,459	3/4	109,770	3/4	99,081	3/4	88,393	3/4	77,703
2	2	2	2	2	150,887	2	141,526	2	130,896	2	120,236	2	109,548	2	98,859	2	88,170	2	77,480
1/4	1/4	1/4	1/4	1/4	150,797	1/4	141,305	1/4	130,674	1/4	120,014	1/4	109,325	1/4	98,636	1/4	87,947	1/4	77,258
1/2	1/2	1/2	1/2	1/2	150,708	1/2	141,083	1/2	130,453	1/2	119,791	1/2	109,102	1/2	98,413	1/2	87,725	1/2	77,035
3/4	3/4	3/4	3/4	3/4	150,618	3/4	140,862	3/4	130,231	3/4	119,568	3/4	108,880	3/4	98,191	3/4	87,502	3/4	76,812
3	3	3	3	3	150,529	3	140,640	3	130,010	3	119,346	3	108,657	3	97,968	3	87,279	3	76,589
1/4	1/4	1/4	1/4	1/4	150,402	1/4	140,419	1/4	129,789	1/4	119,123	1/4	108,434	1/4	97,745	1/4	87,057	1/4	76,367
1/2	1/2	1/2	1/2	1/2	150,275	1/2	140,197	1/2	129,567	1/2	118,900	1/2	108,211	1/2	97,523	1/2	86,834	1/2	76,144
3/4	3/4	3/4	3/4	3/4	150,149	3/4	139,976	3/4	129,346	3/4	118,678	3/4	107,989	3/4	97,300	3/4	86,611	3/4	75,921
4	4	4	4	4	150,022	4	139,754	4	129,124	4	118,455	4	107,766	4	97,077	4	86,389	4	75,699
1/4	1/4	1/4	1/4	1/4	149,858	1/4	139,533	1/4	128,903	1/4	118,232	1/4	107,543	1/4	96,855	1/4	86,166	1/4	75,476
1/2	1/2	1/2	1/2	1/2	149,695	1/2	139,311	1/2	128,681	1/2	118,010	1/2	107,321	1/2	96,632	1/2	85,943	1/2	75,253
3/4	3/4	3/4	3/4	3/4	149,531	3/4	139,090	3/4	128,460	3/4	117,787	3/4	107,098	3/4	96,409	3/4	85,720	3/4	75,030
5	5	5	5	5	149,367	5	138,869	5	128,238	5	117,564	5	106,875	5	96,187	5	85,498	5	74,808
1/4	1/4	1/4	1/4	1/4	149,166	1/4	138,647	1/4	128,017	1/4	117,341	1/4	106,653	1/4	95,964	1/4	85,275	1/4	74,585
1/2	1/2	1/2	1/2	1/2	148,965	1/2	138,426	1/2	127,795	1/2	117,119	1/2	106,430	1/2	95,741	1/2	85,052	1/2	74,362
3/4	3/4	3/4	3/4	3/4	148,765	3/4	138,204	3/4	127,574	3/4	116,896	3/4	106,207	3/4	95,519	3/4	84,830	3/4	74,139
6	6	6	6	6	148,564	6	137,983	6	127,352	6	116,673	6	105,985	6	95,296	6	84,607	6	73,917
1/4	1/4	1/4	1/4	1/4	148,344	1/4	137,761	1/4	127,131	1/4	116,451	1/4	105,762	1/4	95,073	1/4	84,384	1/4	73,694
1/2	1/2	1/2	1/2	1/2	148,125	1/2	137,540	1/2	126,910	1/2	116,228	1/2	105,539	1/2	94,850	1/2	84,162	1/2	73,471
3/4	3/4	3/4	3/4	3/4	147,905	3/4	137,318	3/4	126,688	3/4	116,005	3/4	105,317	3/4	94,628	3/4	83,939	3/4	73,249
7	7	7	7	7	147,686	7	137,097	7	126,467	7	115,783	7	105,094	7	94,405	7	83,716	7	73,026
1/4	1/4	1/4	1/4	1/4	147,467	1/4	136,875	1/4	126,245	1/4	115,560	1/4	104,871	1/4	94,182	1/4	83,494	1/4	72,803
1/2	1/2	1/2	1/2	1/2	147,247	1/2	136,654	1/2	126,024	1/2	115,337	1/2	104,649	1/2	93,960	1/2	83,271	1/2	72,580
3/4	3/4	3/4	3/4	3/4	147,028	3/4	136,432	3/4	125,802	3/4	115,115	3/4	104,426	3/4	93,737	3/4	83,048	3/4	72,358
8	8	8	8	8	146,808	8	136,211	8	125,581	8	114,892	8	104,203	8	93,514	8	82,826	8	72,135
1/4	1/4	1/4	1/4	1/4	146,589	1/4	135,989	1/4	125,358	1/4	114,669	1/4	103,980	1/4	93,292	1/4	82,603	1/4	71,912
1/2	1/2	1/2	1/2	1/2	146,370	1/2	135,768	1/2	125,135	1/2	114,447	1/2	103,758	1/2	93,069	1/2	82,380	1/2	71,690
3/4	3/4	3/4	3/4	3/4	146,150	3/4	135,547	3/4	124,913	3/4	114,224	3/4	103,535	3/4	92,846	3/4	82,157	3/4	71,467
9	9	9	9	9	145,931	9	135,325	9	124,690	9	114,001	9	103,312	9	92,624	9	81,935	9	71,244
1/4	1/4	1/4	1/4	1/4	145,711	1/4	135,104	1/4	124,467	1/4	113,779	1/4	103,090	1/4	92,401	1/4	81,712	1/4	71,021
1/2	1/2	1/2	1/2	1/2	145,492	1/2	134,882	1/2	124,245	1/2	113,556	1/2	102,867	1/2	92,178	1/2	81,489	1/2	70,799
3/4	3/4	3/4	3/4	3/4	145,272	3/4	134,661	3/4	124,022	3/4	113,333	3/4	102,644	3/4	91,956	3/4	81,267	3/4	70,576
10	10	10	10	10	145,053	10	134,439	10	123,799	10	113,111	10	102,422	10	91,733	10	81,044	10	70,353
1/4	1/4	1/4	1/4	1/4	144,834	1/4	134,218	1/4	123,577	1/4	112,888	1/4	102,199	1/4	91,510	1/4	80,821	1/4	70,131
1/2	1/2	1/2	1/2	1/2	144,614	1/2	133,996	1/2	123,354	1/2	112,665	1/2	101,976	1/2	91,288	1/2	80,598	1/2	69,908
3/4	3/4	3/4	3/4	3/4	144,395	3/4	133,775	3/4	123,131	3/4	112,442	3/4	101,754	3/4	91,065	3/4	80,376	3/4	69,685
11	11	11	11	11	144,175	11	133,553	11	122,909	11	112,220	11	101,531	11	90,842	11	80,153	11	69,462
1/4	1/4	1/4	1/4	1/4	143,956	1/4	133,332	1/4	122,686	1/4	111,997	1/4	101,308	1/4	90,620	1/4	79,930	1/4	69,240
1/2	1/2	1/2	1/2	1/2	143,737	1/2	133,110	1/2	122,463	1/2	111,774	1/2	101,086	1/2	90,397	1/2	79,708	1/2	69,017
3/4	3/4	3/4	3/4	3/4	143,517	3/4	132,889	3/4	122,241	3/4	111,552	3/4	100,863	3/4	90,174	3/4	79,485	3/4	68,794

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "CBC 1391"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	68,571	0	57,881	0	47,190	0	36,500	0	25,832	0	15,145	0	4,463	0		0			0
1/4	68,349	1/4	57,658	1/4	46,968	1/4	36,277	1/4	25,610	1/4	14,922	1/4	4,243	1/4		1/4			1/4
1/2	68,126	1/2	57,435	1/2	46,745	1/2	36,054	1/2	25,387	1/2	14,699	1/2	4,023	1/2		1/2			1/2
3/4	67,903	3/4	57,213	3/4	46,522	3/4	35,832	3/4	25,165	3/4	14,476	3/4	3,803	3/4		3/4			3/4
1	67,681	1	56,990	1	46,299	1	35,609	1	24,943	1	14,254	1	3,582	1		1			1
1/4	67,458	1/4	56,767	1/4	46,077	1/4	35,386	1/4	24,720	1/4	14,031	1/4	3,364	1/4		1/4			1/4
1/2	67,235	1/2	56,545	1/2	45,854	1/2	35,163	1/2	24,498	1/2	13,808	1/2	3,146	1/2		1/2			1/2
3/4	67,012	3/4	56,322	3/4	45,631	3/4	34,941	3/4	24,275	3/4	13,586	3/4	2,928	3/4		3/4			3/4
2	66,790	2	56,099	2	45,408	2	34,718	2	24,053	2	13,363	2	2,709	2		2			2
1/4	66,567	1/4	55,876	1/4	45,186	1/4	34,495	1/4	23,830	1/4	13,140	1/4	2,506	1/4		1/4			1/4
1/2	66,344	1/2	55,654	1/2	44,963	1/2	34,272	1/2	23,608	1/2	12,918	1/2	2,302	1/2		1/2			1/2
3/4	66,122	3/4	55,431	3/4	44,740	3/4	34,050	3/4	23,385	3/4	12,695	3/4	2,099	3/4		3/4			3/4
3	65,899	3	55,208	3	44,518	3	33,827	3	23,162	3	12,472	3	1,895	3		3			3
1/4	65,676	1/4	54,985	1/4	44,295	1/4	33,604	1/4	22,940	1/4	12,249	1/4	1,728	1/4		1/4			1/4
1/2	65,453	1/2	54,763	1/2	44,072	1/2	33,382	1/2	22,717	1/2	12,027	1/2	1,561	1/2		1/2			1/2
3/4	65,231	3/4	54,540	3/4	43,849	3/4	33,159	3/4	22,494	3/4	11,804	3/4	1,394	3/4		3/4			3/4
4	65,008	4	54,317	4	43,627	4	32,936	4	22,271	4	11,581	4	1,227	4		4			4
1/4	64,785	1/4	54,095	1/4	43,404	1/4	32,714	1/4	22,049	1/4	11,359	1/4	1,097	1/4		1/4			1/4
1/2	64,562	1/2	53,872	1/2	43,181	1/2	32,492	1/2	21,826	1/2	11,136	1/2	967	1/2		1/2			1/2
3/4	64,340	3/4	53,649	3/4	42,959	3/4	32,270	3/4	21,603	3/4	10,913	3/4	837	3/4		3/4			3/4
5	64,117	5	53,426	5	42,736	5	32,048	5	21,381	5	10,690	5	707	5		5			5
1/4	63,894	1/4	53,204	1/4	42,513	1/4	31,826	1/4	21,158	1/4	10,468	1/4	614	1/4		1/4			1/4
1/2	63,672	1/2	52,981	1/2	42,290	1/2	31,604	1/2	20,935	1/2	10,245	1/2	522	1/2		1/2			1/2
3/4	63,449	3/4	52,758	3/4	42,068	3/4	31,382	3/4	20,712	3/4	10,022	3/4	429	3/4		3/4			3/4
6	63,226	6	52,536	6	41,845	6	31,160	6	20,490	6	9,800	6	336	6		6			6
1/4	63,003	1/4	52,313	1/4	41,622	1/4	30,938	1/4	20,267	1/4	9,577	1/4	280	1/4		1/4			1/4
1/2	62,781	1/2	52,090	1/2	41,400	1/2	30,716	1/2	20,044	1/2	9,354	1/2	225	1/2		1/2			1/2
3/4	62,558	3/4	51,867	3/4	41,177	3/4	30,494	3/4	19,822	3/4	9,131	3/4	169	3/4		3/4			3/4
7	62,335	7	51,645	7	40,954	7	30,272	7	19,599	7	8,909	7	113	7		7			7
1/4	62,113	1/4	51,422	1/4	40,731	1/4	30,050	1/4	19,376	1/4	8,686	1/4	95	1/4		1/4			1/4
1/2	61,890	1/2	51,199	1/2	40,509	1/2	29,828	1/2	19,153	1/2	8,463	1/2	76	1/2		1/2			1/2
3/4	61,667	3/4	50,977	3/4	40,286	3/4	29,606	3/4	18,931	3/4	8,241	3/4	58	3/4		3/4			3/4
8	61,444	8	50,754	8	40,063	8	29,384	8	18,708	8	8,018	8	39	8		8			8
1/4	61,222	1/4	50,531	1/4	39,840	1/4	29,162	1/4	18,485	1/4	7,795	1/4		1/4		1/4			1/4
1/2	60,999	1/2	50,308	1/2	39,618	1/2	28,940	1/2	18,263	1/2	7,572	1/2		1/2		1/2			1/2
3/4	60,776	3/4	50,086	3/4	39,395	3/4	28,718	3/4	18,040	3/4	7,350	3/4		3/4		3/4			3/4
9	60,554	9	49,863	9	39,172	9	28,496	9	17,817	9	7,127	9		9		9			9
1/4	60,331	1/4	49,640	1/4	38,950	1/4	28,274	1/4	17,594	1/4	6,905	1/4		1/4		1/4			1/4
1/2	60,108	1/2	49,417	1/2	38,727	1/2	28,052	1/2	17,372	1/2	6,682	1/2		1/2		1/2			1/2
3/4	59,885	3/4	49,195	3/4	38,504	3/4	27,830	3/4	17,149	3/4	6,460	3/4		3/4		3/4			3/4
10	59,663	10	48,972	10	38,281	10	27,608	10	16,926	10	6,237	10		10		10			10
1/4	59,440	1/4	48,749	1/4	38,059	1/4	27,386	1/4	16,704	1/4	6,015	1/4		1/4		1/4			1/4
1/2	59,217	1/2	48,527	1/2	37,836	1/2	27,164	1/2	16,481	1/2	5,793	1/2		1/2		1/2			1/2
3/4	58,994	3/4	48,304	3/4	37,613	3/4	26,942	3/4	16,258	3/4	5,571	3/4		3/4		3/4			3/4
11	58,772	11	48,081	11	37,391	11	26,720	11	16,035	11	5,349	11		11		11			11
1/4	58,549	1/4	47,858	1/4	37,168	1/4	26,498	1/4	15,813	1/4	5,127	1/4		1/4		1/4			1/4
1/2	58,326	1/2	47,636	1/2	36,945	1/2	26,276	1/2	15,590	1/2	4,906	1/2		1/2		1/2			1/2
3/4	58,104	3/4	47,413	3/4	36,722	3/4	26,054	3/4	15,367	3/4	4,685	3/4		3/4		3/4			3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/19/2017 CL  
CALCULATED: 04/19/2017 CL  
PRINTED: 04/19/2017 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2017

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