

# BARGE "CBC 315"

## 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 PORT	00-0/8	-00-0/8	00-0/8	-00-0/8	00-0/8	-00-0/8	00-0/8	-00-0/8	00-0/8	-00-0/8	00-0/8	-00-0/8
1 STBD	00-0/8	-00-0/8	00-0/8	-00-0/8	00-0/8	-00-0/8	00-0/8	-00-0/8	00-0/8	-00-0/8	00-0/8	-00-0/8
2 PORT	00-1/8	-00-1/8	00-1/4	-00-1/4	00-3/8	-00-3/8	00-3/8	-00-3/8	00-1/2	-00-1/2	00-5/8	-00-5/8
2 STBD	00-1/8	-00-1/8	00-1/4	-00-1/4	00-3/8	-00-3/8	00-3/8	-00-3/8	00-1/2	-00-1/2	00-5/8	-00-5/8
3 PORT	00-0/8	-00-0/8	00-0/8	-00-0/8	00-0/8	-00-0/8	00-1/8	-00-1/8	00-1/8	-00-1/8	00-1/8	-00-1/8
3 STBD	00-0/8	-00-0/8	00-0/8	-00-0/8	00-0/8	-00-0/8	00-1/8	-00-1/8	00-1/8	-00-1/8	00-1/8	-00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

### EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 4'-00"  
 AFT DRAFT = 6'-00"  
 DIFF. = 2'-00" (DOWN BY STERN)

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

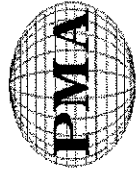
LENGTH BETWEEN DRAFT MARKS: 238'-03"

March 5, 2013

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

<http://www.pmacorp.net>





# BARGE "CBC 315"

## 1 PORT ULLAGE TABLE

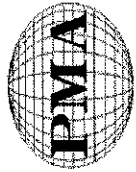
GAUGE HEIGHT 16'-04"

CAPACITIES GIVEN IN WHOLE GALLONS		10 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	80,621	0	64,920	0	49,218	0	33,617	0	18,116	0	4,090	0	0	0	0	0	0	0
1/4	1/4	80,294	1/4	64,592	1/4	48,891	1/4	33,291	1/4	17,805	1/4	3,821	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	79,966	1/2	64,265	1/2	48,564	1/2	32,966	1/2	17,494	1/2	3,551	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	79,639	3/4	63,938	3/4	48,237	3/4	32,641	3/4	17,183	3/4	3,282	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	79,312	1	63,611	1	47,910	1	32,315	1	16,872	1	3,012	1	1	1	1	1	1	1
1/4	1/4	78,985	1/4	63,284	1/4	47,584	1/4	31,988	1/4	16,564	1/4	2,752	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	78,658	1/2	62,957	1/2	47,257	1/2	31,661	1/2	16,257	1/2	2,492	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	78,331	3/4	62,630	3/4	46,930	3/4	31,334	3/4	15,949	3/4	2,232	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	78,004	2	62,303	2	46,603	2	31,007	2	15,642	2	1,972	2	2	2	2	2	2	2
1/4	1/4	77,677	1/4	61,976	1/4	46,277	1/4	30,680	1/4	15,338	1/4	1,759	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	77,350	1/2	61,649	1/2	45,951	1/2	30,353	1/2	15,034	1/2	1,547	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	77,022	3/4	61,321	3/4	45,624	3/4	30,026	3/4	14,730	3/4	1,335	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	76,695	3	60,994	3	45,298	3	29,699	3	14,425	3	1,123	3	3	3	3	3	3	3
1/4	1/4	76,368	1/4	60,667	1/4	44,973	1/4	29,372	1/4	14,125	1/4	988	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	76,041	1/2	60,340	1/2	44,649	1/2	29,044	1/2	13,824	1/2	854	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	75,714	3/4	60,013	3/4	44,325	3/4	28,717	3/4	13,523	3/4	719	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	75,387	4	59,686	4	44,000	4	28,390	4	13,223	4	584	4	4	4	4	4	4	4
1/4	1/4	75,060	1/4	59,359	1/4	43,676	1/4	28,063	1/4	12,925	1/4	450	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	74,733	1/2	59,032	1/2	43,351	1/2	27,736	1/2	12,628	1/2	316	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	74,406	3/4	58,705	3/4	43,027	3/4	27,409	3/4	12,331	3/4	182	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	74,079	5	58,377	5	42,703	5	27,082	5	12,033	5	58	5	5	5	5	5	5	5
1/4	1/4	73,752	1/4	58,050	1/4	42,378	1/4	26,755	1/4	11,739	1/4	44	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	73,424	1/2	57,723	1/2	42,054	1/2	26,428	1/2	11,445	1/2	30	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	73,097	3/4	57,396	3/4	41,729	3/4	26,101	3/4	11,152	3/4	16	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	72,770	6	57,069	6	41,405	6	25,773	6	10,858	6	2	6	6	6	6	6	6	6
1/4	1/4	72,443	1/4	56,742	1/4	41,081	1/4	25,447	1/4	10,567	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	72,116	1/2	56,415	1/2	40,756	1/2	25,121	1/2	10,277	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	71,789	3/4	56,088	3/4	40,432	3/4	24,795	3/4	9,986	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	71,462	7	55,761	7	40,108	7	24,469	7	9,696	7	1	7	7	7	7	7	7	7
1/4	1/4	71,135	1/4	55,434	1/4	39,783	1/4	24,151	1/4	9,409	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	70,807	1/2	55,106	1/2	39,469	1/2	23,833	1/2	9,121	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	70,480	3/4	54,779	3/4	39,134	3/4	23,515	3/4	8,834	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	70,153	8	54,452	8	38,810	8	23,196	8	8,547	8	1	8	8	8	8	8	8	8
1/4	1/4	69,826	1/4	54,125	1/4	38,486	1/4	22,879	1/4	8,264	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	69,499	1/2	53,798	1/2	38,161	1/2	22,562	1/2	7,980	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	69,172	3/4	53,471	3/4	37,837	3/4	22,245	3/4	7,696	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	68,845	9	53,144	9	37,513	9	21,929	9	7,412	9	1	9	9	9	9	9	9	9
1/4	1/4	68,518	1/4	52,817	1/4	37,188	1/4	21,607	1/4	7,132	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	68,191	1/2	52,490	1/2	36,864	1/2	21,286	1/2	6,852	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	67,864	3/4	52,162	3/4	36,539	3/4	20,965	3/4	6,572	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	67,536	10	51,835	10	36,215	10	20,644	10	6,291	10	1	10	10	10	10	10	10	10
1/4	1/4	67,209	1/4	51,508	1/4	35,891	1/4	20,326	1/4	6,014	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	66,882	1/2	51,181	1/2	35,566	1/2	20,009	1/2	5,738	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	66,555	3/4	50,854	3/4	35,242	3/4	19,691	3/4	5,461	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	66,228	11	50,527	11	34,917	11	19,373	11	5,184	11	1	11	11	11	11	11	11	11
1/4	1/4	65,901	1/4	50,200	1/4	34,592	1/4	19,059	1/4	4,910	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	65,574	1/2	49,873	1/2	34,267	1/2	18,744	1/2	4,637	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	65,247	3/4	49,546	3/4	33,942	3/4	18,430	3/4	4,364	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/05/2013 CL  
CALCULATED: 03/05/2013 CL  
PRINTED: 03/05/2013 CL  
CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2013

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



# BARGE "CBC 315"

## 1 STBD ULLAGE TABLE

GAUGE HEIGHT 16'-04 1/2"

CAPACITIES GIVEN IN WHOLE GALLONS		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	206,832	191,215	175,598	159,910	144,205	128,500	112,791	97,082	81,373	65,664	50,000	34,336	18,672	3,008	0	0	0	0
1/2	1/2	206,507	190,889	175,272	159,583	143,878	128,172	112,464	96,755	81,046	65,337	50,000	34,336	18,672	3,008	0	0	0	0
3/4	3/4	206,181	190,564	174,947	159,256	143,551	127,845	112,137	96,427	80,719	65,029	50,000	34,336	18,672	3,008	0	0	0	0
1	1	205,531	189,913	174,296	158,601	142,897	127,191	111,482	95,773	80,064	64,720	50,000	34,336	18,672	3,008	0	0	0	0
1/4	1/4	205,205	189,588	173,971	158,274	142,569	126,863	111,155	95,448	79,735	64,384	50,000	34,336	18,672	3,008	0	0	0	0
1/2	1/2	204,880	189,263	173,645	157,947	142,242	126,536	110,828	95,123	79,409	64,048	50,000	34,336	18,672	3,008	0	0	0	0
3/4	3/4	204,554	188,937	173,320	157,620	141,915	126,209	110,500	94,808	79,084	63,712	50,000	34,336	18,672	3,008	0	0	0	0
2	2	204,229	188,612	172,994	157,293	141,588	125,882	110,173	94,483	78,759	63,376	50,000	34,336	18,672	3,008	0	0	0	0
1/4	1/4	203,904	188,287	172,669	156,965	141,261	125,554	109,846	94,158	78,434	63,040	50,000	34,336	18,672	3,008	0	0	0	0
1/2	1/2	203,578	187,961	172,343	156,638	140,933	125,227	109,519	93,833	78,109	62,704	50,000	34,336	18,672	3,008	0	0	0	0
3/4	3/4	203,253	187,636	172,016	156,311	140,606	124,900	109,191	93,516	77,784	62,368	50,000	34,336	18,672	3,008	0	0	0	0
3	3	202,928	187,310	171,689	155,984	140,279	124,573	108,864	93,197	77,463	62,032	50,000	34,336	18,672	3,008	0	0	0	0
1/4	1/4	202,602	186,985	171,362	155,657	139,952	124,245	108,537	92,920	77,142	61,696	50,000	34,336	18,672	3,008	0	0	0	0
1/2	1/2	202,277	186,660	171,034	155,330	139,625	123,918	108,210	92,643	76,821	61,360	50,000	34,336	18,672	3,008	0	0	0	0
3/4	3/4	201,952	186,334	170,707	155,002	139,298	123,591	107,882	92,316	76,496	61,024	50,000	34,336	18,672	3,008	0	0	0	0
4	4	201,626	186,009	170,380	154,675	138,970	123,264	107,555	92,000	76,171	60,688	50,000	34,336	18,672	3,008	0	0	0	0
1/4	1/4	201,301	185,684	170,053	154,348	138,643	122,936	107,228	91,673	75,846	60,352	50,000	34,336	18,672	3,008	0	0	0	0
1/2	1/2	200,975	185,358	169,726	154,021	138,316	122,609	106,900	91,348	75,521	60,016	50,000	34,336	18,672	3,008	0	0	0	0
3/4	3/4	200,650	185,033	169,398	153,694	137,989	122,282	106,573	91,024	75,196	59,680	50,000	34,336	18,672	3,008	0	0	0	0
5	5	200,325	184,708	169,071	153,366	137,662	121,954	106,246	90,700	74,871	59,344	50,000	34,336	18,672	3,008	0	0	0	0
1/4	1/4	199,999	184,382	168,744	153,039	137,334	121,627	105,919	90,376	74,546	59,008	50,000	34,336	18,672	3,008	0	0	0	0
1/2	1/2	199,674	184,057	168,417	152,712	137,007	121,300	105,591	90,052	74,221	58,672	50,000	34,336	18,672	3,008	0	0	0	0
3/4	3/4	199,349	183,732	168,090	152,385	136,680	120,973	105,264	89,728	73,896	58,336	50,000	34,336	18,672	3,008	0	0	0	0
6	6	199,023	183,406	167,762	152,058	136,353	120,645	104,937	89,400	73,571	58,000	50,000	34,336	18,672	3,008	0	0	0	0
1/4	1/4	198,698	183,081	167,435	151,731	136,026	120,318	104,610	89,076	73,246	57,664	50,000	34,336	18,672	3,008	0	0	0	0
1/2	1/2	198,373	182,755	167,108	151,403	135,699	119,991	104,282	88,752	72,921	57,328	50,000	34,336	18,672	3,008	0	0	0	0
3/4	3/4	198,047	182,430	166,781	151,076	135,371	119,664	103,955	88,428	72,596	56,992	50,000	34,336	18,672	3,008	0	0	0	0
7	7	197,722	182,105	166,454	150,749	135,044	119,336	103,628	88,104	72,271	56,656	50,000	34,336	18,672	3,008	0	0	0	0
1/4	1/4	197,397	181,779	166,127	150,422	134,717	119,009	103,301	87,776	71,946	56,320	50,000	34,336	18,672	3,008	0	0	0	0
1/2	1/2	197,071	181,454	165,799	150,095	134,390	118,682	102,973	87,452	71,621	55,984	50,000	34,336	18,672	3,008	0	0	0	0
3/4	3/4	196,746	181,129	165,472	149,767	134,063	118,355	102,646	87,128	71,296	55,648	50,000	34,336	18,672	3,008	0	0	0	0
8	8	196,420	180,803	165,145	149,440	133,735	118,027	102,319	86,784	70,971	55,312	50,000	34,336	18,672	3,008	0	0	0	0
1/4	1/4	196,095	180,478	164,818	149,113	133,408	117,700	101,992	86,460	70,646	54,976	50,000	34,336	18,672	3,008	0	0	0	0
1/2	1/2	195,770	180,153	164,491	148,786	133,081	117,373	101,664	86,136	70,321	54,640	50,000	34,336	18,672	3,008	0	0	0	0
3/4	3/4	195,444	179,827	164,163	148,459	132,754	117,046	101,337	85,812	69,996	54,304	50,000	34,336	18,672	3,008	0	0	0	0
9	9	195,119	179,502	163,836	148,132	132,427	116,718	101,010	85,488	69,671	53,968	50,000	34,336	18,672	3,008	0	0	0	0
1/4	1/4	194,794	179,176	163,509	147,804	132,100	116,391	100,683	85,168	69,346	53,632	50,000	34,336	18,672	3,008	0	0	0	0
1/2	1/2	194,468	178,851	163,182	147,477	131,772	116,064	100,355	84,848	69,021	53,296	50,000	34,336	18,672	3,008	0	0	0	0
3/4	3/4	194,143	178,526	162,855	147,150	131,445	115,737	100,028	84,528	68,696	52,960	50,000	34,336	18,672	3,008	0	0	0	0
10	10	193,818	178,200	162,528	146,823	131,118	115,409	99,701	84,208	68,371	52,624	50,000	34,336	18,672	3,008	0	0	0	0
1/4	1/4	193,492	177,875	162,200	146,496	130,791	115,082	99,373	83,888	68,046	52,288	50,000	34,336	18,672	3,008	0	0	0	0
1/2	1/2	193,167	177,550	161,873	146,168	130,463	114,755	99,046	83,568	67,721	51,952	50,000	34,336	18,672	3,008	0	0	0	0
3/4	3/4	192,842	177,224	161,546	145,841	130,136	114,427	98,719	83,248	67,396	51,616	50,000	34,336	18,672	3,008	0	0	0	0
11	11	192,516	176,899	161,219	145,514	129,809	114,100	98,392	82,928	67,071	51,280	50,000	34,336	18,672	3,008	0	0	0	0
1/4	1/4	192,191	176,574	160,892	145,187	129,481	113,773	98,064	82,608	66,746	50,944	50,000	34,336	18,672	3,008	0	0	0	0
1/2	1/2	191,865	176,248	160,564	144,860	129,154	113,446	97,737	82,288	66,421	50,608	50,000	34,336	18,672	3,008	0	0	0	0
3/4	3/4	191,540	175,923	160,237	144,532	128,827	113,118	97,410	81,970	66,096	50,272	50,000	34,336	18,672	3,008	0	0	0	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IPIIMS 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 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "CBC 315"

# 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

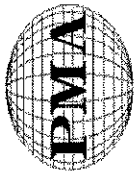
GAUGE HEIGHT 16'-04 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	81,374	0	65,666	0	49,957	0	34,287	0	18,753	0	4,639	0	0	0	0	0	0	0
1/4	1/4	96,755	1/4	65,338	1/4	49,630	1/4	33,960	1/4	18,438	1/4	4,366	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	80,720	1/2	65,011	1/2	49,303	1/2	33,634	1/2	18,124	1/2	4,092	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	96,101	3/4	64,684	3/4	48,975	3/4	33,307	3/4	17,813	3/4	3,822	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	80,065	1	64,357	1	48,648	1	32,980	1	17,502	1	3,553	1	1	1	1	1	1	1
1/4	1/4	95,446	1/4	64,029	1/4	48,321	1/4	32,653	1/4	17,190	1/4	3,283	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	79,411	1/2	63,702	1/2	47,994	1/2	32,327	1/2	16,879	1/2	3,013	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	94,792	3/4	63,375	3/4	47,667	3/4	32,000	3/4	16,572	3/4	2,753	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	78,756	2	63,047	2	47,340	2	31,673	2	16,264	2	2,493	2	2	2	2	2	2	2
1/4	1/4	94,137	1/4	62,720	1/4	47,013	1/4	31,346	1/4	15,956	1/4	2,232	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	78,429	1/2	62,393	1/2	46,686	1/2	31,019	1/2	15,649	1/2	1,972	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	93,810	3/4	62,066	3/4	46,359	3/4	30,693	3/4	15,344	3/4	1,760	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	77,774	3	61,738	3	46,032	3	30,366	3	15,040	3	1,548	3	3	3	3	3	3	3
1/4	1/4	92,828	1/4	61,411	1/4	45,706	1/4	30,039	1/4	14,736	1/4	1,336	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	76,992	1/2	61,084	1/2	45,379	1/2	29,712	1/2	14,432	1/2	1,123	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	92,174	3/4	60,757	3/4	45,052	3/4	29,385	3/4	14,131	3/4	989	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	76,138	4	60,429	4	44,726	4	29,058	4	13,830	4	854	4	4	4	4	4	4	4
1/4	1/4	91,519	1/4	60,102	1/4	44,399	1/4	28,730	1/4	13,529	1/4	719	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	75,483	1/2	59,775	1/2	44,073	1/2	28,403	1/2	13,228	1/2	584	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	90,865	3/4	59,448	3/4	43,746	3/4	28,076	3/4	12,931	3/4	450	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	74,829	5	59,120	5	43,420	5	27,749	5	12,633	5	315	5	5	5	5	5	5	5
1/4	1/4	90,210	1/4	58,793	1/4	43,093	1/4	27,421	1/4	12,336	1/4	180	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	74,174	1/2	58,466	1/2	42,767	1/2	27,094	1/2	12,038	1/2	145	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	89,556	3/4	58,139	3/4	42,441	3/4	26,767	3/4	11,744	3/4	110	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	73,520	6	57,811	6	42,115	6	26,440	6	11,450	6	75	6	6	6	6	6	6	6
1/4	1/4	88,901	1/4	57,484	1/4	41,789	1/4	26,112	1/4	11,156	1/4	60	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	72,865	1/2	57,157	1/2	41,462	1/2	25,785	1/2	10,862	1/2	45	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	88,247	3/4	56,830	3/4	41,136	3/4	25,459	3/4	10,572	3/4	30	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	72,211	7	56,502	7	40,810	7	25,133	7	10,281	7	15	7	7	7	7	7	7	7
1/4	1/4	87,592	1/4	56,175	1/4	40,484	1/4	24,807	1/4	9,990	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	71,556	1/2	55,848	1/2	40,158	1/2	24,480	1/2	9,700	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	86,938	3/4	55,520	3/4	39,832	3/4	24,162	3/4	9,412	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	70,902	8	55,193	8	39,506	8	23,844	8	9,125	8	0	8	8	8	8	8	8	8
1/4	1/4	86,283	1/4	54,866	1/4	39,180	1/4	23,525	1/4	8,838	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	70,247	1/2	54,539	1/2	38,854	1/2	23,207	1/2	8,551	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	85,628	3/4	54,211	3/4	38,528	3/4	22,890	3/4	8,267	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	69,593	9	53,884	9	38,202	9	22,573	9	7,983	9	0	9	9	9	9	9	9	9
1/4	1/4	84,974	1/4	53,557	1/4	37,876	1/4	22,255	1/4	7,699	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	68,938	1/2	53,230	1/2	37,550	1/2	21,938	1/2	7,415	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	84,319	3/4	52,902	3/4	37,224	3/4	21,617	3/4	7,135	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	68,284	10	52,575	10	36,898	10	21,296	10	6,855	10	0	10	10	10	10	10	10	10
1/4	1/4	83,665	1/4	52,248	1/4	36,572	1/4	20,974	1/4	6,574	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	67,629	1/2	51,921	1/2	36,245	1/2	20,653	1/2	6,294	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	83,010	3/4	51,593	3/4	35,919	3/4	20,335	3/4	6,017	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	66,683	11	51,266	11	35,593	11	20,017	11	5,740	11	0	11	11	11	11	11	11	11
1/4	1/4	82,356	1/4	50,939	1/4	35,267	1/4	19,699	1/4	5,463	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	66,320	1/2	50,612	1/2	34,941	1/2	19,382	1/2	5,186	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	81,701	3/4	50,284	3/4	34,614	3/4	19,067	3/4	4,912	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/05/2013 CL  
 CALCULATED: 03/05/2013 CL  
 PRINTED: 03/05/2013 CL  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 03/2013

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77688  
<http://www.pmacorp.net>



# BARGE "CBC 315"

# 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	202,346	0	187,286	0	172,226	0	157,097	0	141,950	0	126,801	0	111,650	0
1/4	1/4	1/4	1/4	1/4	1/4	202,032	1/4	186,972	1/4	171,912	1/4	156,782	1/4	141,634	1/4	126,486	1/4	111,334	1/4
1/2	1/2	1/2	1/2	1/2	1/2	201,718	1/2	186,658	1/2	171,598	1/2	156,466	1/2	141,319	1/2	126,170	1/2	111,019	1/2
3/4	3/4	3/4	3/4	3/4	3/4	201,405	3/4	186,344	3/4	171,284	3/4	156,151	3/4	141,003	3/4	125,854	3/4	110,703	3/4
1	1	1	1	1	1	201,091	1	186,031	1	170,971	1	155,835	1	140,687	1	125,539	1	110,387	1
1/4	1/4	1/4	1/4	1/4	1/4	200,777	1/4	185,717	1/4	170,657	1/4	155,519	1/4	140,372	1/4	125,223	1/4	110,072	1/4
1/2	1/2	1/2	1/2	1/2	1/2	200,463	1/2	185,403	1/2	170,343	1/2	155,204	1/2	140,056	1/2	124,907	1/2	109,756	1/2
3/4	3/4	3/4	3/4	3/4	3/4	200,150	3/4	185,089	3/4	170,029	3/4	154,888	3/4	139,741	3/4	124,592	3/4	109,441	3/4
2	2	2	2	2	2	199,836	2	184,776	2	169,715	2	154,573	2	139,425	2	124,276	2	109,125	2
1/4	1/4	1/4	1/4	1/4	1/4	199,522	1/4	184,462	1/4	169,401	1/4	154,257	1/4	139,110	1/4	123,961	1/4	108,809	1/4
1/2	1/2	1/2	1/2	1/2	1/2	199,208	1/2	184,148	1/2	169,088	1/2	153,942	1/2	138,798	1/2	123,645	1/2	108,494	1/2
3/4	3/4	3/4	3/4	3/4	3/4	198,895	3/4	183,834	3/4	168,774	3/4	153,626	3/4	138,478	3/4	123,329	3/4	108,178	3/4
3	3	3	3	3	3	198,581	3	183,521	3	168,458	3	153,310	3	138,163	3	123,014	3	107,862	3
1/4	1/4	1/4	1/4	1/4	1/4	198,267	1/4	183,207	1/4	168,142	1/4	152,995	1/4	137,847	1/4	122,698	1/4	107,547	1/4
1/2	1/2	1/2	1/2	1/2	1/2	197,953	1/2	182,893	1/2	167,827	1/2	152,679	1/2	137,532	1/2	122,382	1/2	107,231	1/2
3/4	3/4	3/4	3/4	3/4	3/4	197,640	3/4	182,579	3/4	167,511	3/4	152,364	3/4	137,216	3/4	122,067	3/4	106,915	3/4
4	4	4	4	4	4	197,326	4	182,266	4	167,196	4	152,048	4	136,901	4	121,751	4	106,600	4
1/4	1/4	1/4	1/4	1/4	1/4	197,012	1/4	181,952	1/4	166,880	1/4	151,733	1/4	136,585	1/4	121,435	1/4	106,284	1/4
1/2	1/2	1/2	1/2	1/2	1/2	196,698	1/2	181,638	1/2	166,565	1/2	151,417	1/2	136,269	1/2	121,120	1/2	105,968	1/2
3/4	3/4	3/4	3/4	3/4	3/4	196,385	3/4	181,324	3/4	166,249	3/4	151,101	3/4	135,954	3/4	120,804	3/4	105,653	3/4
5	5	5	5	5	5	196,071	5	181,011	5	165,933	5	150,786	5	135,638	5	120,488	5	105,337	5
1/4	1/4	1/4	1/4	1/4	1/4	195,757	1/4	180,697	1/4	165,618	1/4	150,470	1/4	135,323	1/4	120,173	1/4	105,021	1/4
1/2	1/2	1/2	1/2	1/2	1/2	195,443	1/2	180,383	1/2	165,302	1/2	150,155	1/2	135,007	1/2	119,857	1/2	104,706	1/2
3/4	3/4	3/4	3/4	3/4	3/4	195,129	3/4	180,069	3/4	164,987	3/4	149,839	3/4	134,692	3/4	119,541	3/4	104,390	3/4
6	6	6	6	6	6	194,816	6	179,756	6	164,671	6	149,524	6	134,376	6	119,226	6	104,074	6
1/4	1/4	1/4	1/4	1/4	1/4	194,502	1/4	179,442	1/4	164,355	1/4	149,208	1/4	134,060	1/4	118,910	1/4	103,759	1/4
1/2	1/2	1/2	1/2	1/2	1/2	194,188	1/2	179,128	1/2	164,040	1/2	148,892	1/2	133,744	1/2	118,594	1/2	103,443	1/2
3/4	3/4	3/4	3/4	3/4	3/4	193,874	3/4	178,814	3/4	163,724	3/4	148,577	3/4	133,429	3/4	118,279	3/4	103,127	3/4
7	7	7	7	7	7	193,561	7	178,501	7	163,409	7	148,261	7	133,114	7	117,963	7	102,812	7
1/4	1/4	1/4	1/4	1/4	1/4	193,247	1/4	178,187	1/4	163,093	1/4	147,946	1/4	132,798	1/4	117,647	1/4	102,496	1/4
1/2	1/2	1/2	1/2	1/2	1/2	192,933	1/2	177,873	1/2	162,778	1/2	147,630	1/2	132,482	1/2	117,332	1/2	102,181	1/2
3/4	3/4	3/4	3/4	3/4	3/4	192,619	3/4	177,559	3/4	162,462	3/4	147,314	3/4	132,167	3/4	117,016	3/4	101,865	3/4
8	8	8	8	8	8	192,306	8	177,246	8	162,146	8	146,999	8	131,851	8	116,701	8	101,549	8
1/4	1/4	1/4	1/4	1/4	1/4	191,992	1/4	176,932	1/4	161,831	1/4	146,683	1/4	131,536	1/4	116,385	1/4	101,234	1/4
1/2	1/2	1/2	1/2	1/2	1/2	191,678	1/2	176,618	1/2	161,515	1/2	146,368	1/2	131,220	1/2	116,069	1/2	100,918	1/2
3/4	3/4	3/4	3/4	3/4	3/4	191,364	3/4	176,304	3/4	161,200	3/4	146,052	3/4	130,905	3/4	115,754	3/4	100,602	3/4
9	9	9	9	9	9	191,051	9	175,991	9	160,884	9	145,737	9	130,589	9	115,438	9	100,287	9
1/4	1/4	1/4	1/4	1/4	1/4	190,737	1/4	175,677	1/4	160,569	1/4	145,421	1/4	130,273	1/4	115,122	1/4	99,971	1/4
1/2	1/2	1/2	1/2	1/2	1/2	190,423	1/2	175,363	1/2	160,253	1/2	145,105	1/2	129,958	1/2	114,807	1/2	99,655	1/2
3/4	3/4	3/4	3/4	3/4	3/4	190,109	3/4	175,049	3/4	159,937	3/4	144,790	3/4	129,642	3/4	114,491	3/4	99,340	3/4
10	10	10	10	10	10	189,796	10	174,736	10	159,622	10	144,474	10	129,327	10	114,175	10	99,024	10
1/4	1/4	1/4	1/4	1/4	1/4	189,482	1/4	174,422	1/4	159,306	1/4	144,159	1/4	129,011	1/4	113,860	1/4	98,708	1/4
1/2	1/2	1/2	1/2	1/2	1/2	189,168	1/2	174,108	1/2	158,991	1/2	143,843	1/2	128,694	1/2	113,544	1/2	98,393	1/2
3/4	3/4	3/4	3/4	3/4	3/4	188,854	3/4	173,794	3/4	158,676	3/4	143,528	3/4	128,380	3/4	113,228	3/4	98,077	3/4
11	11	11	11	11	11	188,541	11	173,481	11	158,360	11	143,212	11	128,064	11	112,913	11	97,761	11
1/4	1/4	1/4	1/4	1/4	1/4	188,227	1/4	173,167	1/4	158,044	1/4	142,896	1/4	127,748	1/4	112,597	1/4	97,446	1/4
1/2	1/2	1/2	1/2	1/2	1/2	187,913	1/2	172,853	1/2	157,728	1/2	142,581	1/2	127,433	1/2	112,281	1/2	97,130	1/2
3/4	3/4	3/4	3/4	3/4	3/4	187,599	3/4	172,539	3/4	157,413	3/4	142,265	3/4	127,117	3/4	111,966	3/4	96,814	3/4

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 11'-00" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

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



# BARGE "CBC 315"

# 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

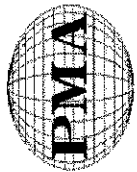
10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	96,499	0	81,347	0	66,196	0	51,045	0	36,153	0	21,002	0	5,851	0	0	0	0	0	0
1/4	96,183	1/4	81,032	1/4	65,881	1/4	50,729	1/4	35,837	1/4	20,687	1/4	5,536	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,867	1/2	80,716	1/2	65,565	1/2	50,414	1/2	35,522	1/2	20,371	1/2	5,220	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,552	3/4	80,401	3/4	65,249	3/4	50,098	3/4	35,206	3/4	20,055	3/4	4,905	3/4	3/4	3/4	3/4	3/4	3/4
1	95,236	1	80,085	1	64,934	1	49,783	1	34,891	1	19,740	1	4,590	1	1	1	1	1	1
1/4	94,921	1/4	79,769	1/4	64,618	1/4	49,468	1/4	34,575	1/4	19,424	1/4	4,275	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,605	1/2	79,454	1/2	64,302	1/2	49,153	1/2	34,259	1/2	19,108	1/2	3,960	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,289	3/4	79,138	3/4	63,987	3/4	48,838	3/4	33,944	3/4	18,793	3/4	3,645	3/4	3/4	3/4	3/4	3/4	3/4
2	93,974	2	78,822	2	63,671	2	48,522	2	33,628	2	18,477	2	3,335	2	2	2	2	2	2
1/4	93,658	1/4	78,507	1/4	63,355	1/4	48,206	1/4	33,312	1/4	18,161	1/4	3,026	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,342	1/2	78,191	1/2	63,040	1/2	47,890	1/2	32,997	1/2	17,846	1/2	2,716	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,027	3/4	77,875	3/4	62,724	3/4	47,601	3/4	32,681	3/4	17,530	3/4	2,407	3/4	3/4	3/4	3/4	3/4	3/4
3	92,711	3	77,560	3	62,408	3	47,291	3	32,365	3	17,215	3	2,141	3	3	3	3	3	3
1/4	92,395	1/4	77,244	1/4	62,093	1/4	46,982	1/4	32,050	1/4	16,899	1/4	1,874	1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,080	1/2	76,928	1/2	61,777	1/2	46,672	1/2	31,734	1/2	16,583	1/2	1,608	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,764	3/4	76,613	3/4	61,461	3/4	46,363	3/4	31,418	3/4	16,268	3/4	1,342	3/4	3/4	3/4	3/4	3/4	3/4
4	91,448	4	76,297	4	61,146	4	46,054	4	31,103	4	15,952	4	1,155	4	4	4	4	4	4
1/4	91,133	1/4	75,981	1/4	60,830	1/4	45,745	1/4	30,787	1/4	15,636	1/4	967	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,817	1/2	75,666	1/2	60,514	1/2	45,436	1/2	30,472	1/2	15,321	1/2	780	1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,501	3/4	75,350	3/4	60,199	3/4	45,127	3/4	30,156	3/4	15,005	3/4	593	3/4	3/4	3/4	3/4	3/4	3/4
5	90,186	5	75,034	5	59,883	5	44,818	5	29,840	5	14,689	5	5	5	5	5	5	5	5
1/4	89,870	1/4	74,719	1/4	59,567	1/4	44,509	1/4	29,525	1/4	14,374	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,554	1/2	74,403	1/2	59,252	1/2	44,199	1/2	29,209	1/2	14,058	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,239	3/4	74,087	3/4	58,936	3/4	43,890	3/4	28,893	3/4	13,742	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
6	88,923	6	73,772	6	58,621	6	43,581	6	28,578	6	13,427	6	1	6	6	6	6	6	6
1/4	88,607	1/4	73,456	1/4	58,305	1/4	43,272	1/4	28,262	1/4	13,111	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,292	1/2	73,141	1/2	57,989	1/2	42,963	1/2	27,946	1/2	12,796	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,976	3/4	72,825	3/4	57,674	3/4	42,654	3/4	27,631	3/4	12,480	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
7	87,661	7	72,509	7	57,358	7	42,345	7	27,315	7	12,164	7	1	7	7	7	7	7	7
1/4	87,345	1/4	72,194	1/4	57,042	1/4	42,036	1/4	26,999	1/4	11,849	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,029	1/2	71,878	1/2	56,727	1/2	41,727	1/2	26,684	1/2	11,533	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,714	3/4	71,562	3/4	56,411	3/4	41,418	3/4	26,368	3/4	11,217	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
8	86,398	8	71,247	8	56,095	8	41,108	8	26,053	8	10,902	8	1	8	8	8	8	8	8
1/4	86,082	1/4	70,931	1/4	55,780	1/4	40,799	1/4	25,737	1/4	10,586	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,767	1/2	70,615	1/2	55,464	1/2	40,490	1/2	25,421	1/2	10,270	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,451	3/4	70,300	3/4	55,148	3/4	40,181	3/4	25,106	3/4	9,955	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
9	85,135	9	69,984	9	54,833	9	39,872	9	24,790	9	9,639	9	1	9	9	9	9	9	9
1/4	84,820	1/4	69,668	1/4	54,517	1/4	39,563	1/4	24,474	1/4	9,323	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,504	1/2	69,353	1/2	54,201	1/2	39,254	1/2	24,159	1/2	9,008	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,188	3/4	69,037	3/4	53,886	3/4	38,945	3/4	23,843	3/4	8,692	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
10	83,873	10	68,721	10	53,570	10	38,636	10	23,527	10	8,377	10	1	10	10	10	10	10	10
1/4	83,557	1/4	68,406	1/4	53,254	1/4	38,327	1/4	23,212	1/4	8,061	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,241	1/2	68,090	1/2	52,939	1/2	38,017	1/2	22,896	1/2	7,745	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,926	3/4	67,774	3/4	52,623	3/4	37,708	3/4	22,580	3/4	7,430	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
11	82,610	11	67,459	11	52,307	11	37,398	11	22,265	11	7,114	11	1	11	11	11	11	11	11
1/4	82,294	1/4	67,143	1/4	51,992	1/4	37,089	1/4	21,949	1/4	6,798	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,979	1/2	66,827	1/2	51,676	1/2	36,779	1/2	21,634	1/2	6,483	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,663	3/4	66,512	3/4	51,361	3/4	36,469	3/4	21,318	3/4	6,167	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/05/2013 CL  
CALCULATED: 03/05/2013 CL  
PRINTED: 03/05/2013 CL  
CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2013

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





# BARGE "CBC 315"

## 2 STBD ULLAGE TABLE

GAUGE HEIGHT 16'-04 1/4"

CAPACITIES GIVEN IN WHOLE GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	95,825	0	80,668	0	65,511	0	50,354	0	35,200	0	20,379	0	5,223	0	0	0	0	0	0
1/4	95,509	1/4	80,352	1/4	65,195	1/4	50,038	1/4	34,933	1/4	20,063	1/4	4,907	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,193	1/2	80,036	1/2	64,879	1/2	49,723	1/2	34,628	1/2	19,747	1/2	4,592	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,877	3/4	79,720	3/4	64,563	3/4	49,407	3/4	34,313	3/4	19,432	3/4	4,277	3/4	3/4	3/4	3/4	3/4	3/4
1	94,561	1	79,405	1	64,248	1	49,092	1	34,000	1	19,116	1	3,962	1	1	1	1	1	1
1/4	94,246	1/4	79,089	1/4	63,932	1/4	48,776	1/4	33,685	1/4	18,800	1/4	3,646	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,930	1/2	78,773	1/2	63,616	1/2	48,462	1/2	33,370	1/2	18,484	1/2	3,337	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,614	3/4	78,457	3/4	63,300	3/4	48,148	3/4	33,055	3/4	18,169	3/4	3,027	3/4	3/4	3/4	3/4	3/4	3/4
2	93,298	2	78,142	2	62,985	2	47,834	2	32,740	2	17,853	2	2,718	2	2	2	2	2	2
1/4	92,983	1/4	77,826	1/4	62,669	1/4	47,521	1/4	32,425	1/4	17,537	1/4	2,408	1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,667	1/2	77,510	1/2	62,353	1/2	47,207	1/2	32,110	1/2	17,221	1/2	2,142	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,351	3/4	77,194	3/4	62,037	3/4	46,894	3/4	31,795	3/4	16,906	3/4	1,876	3/4	3/4	3/4	3/4	3/4	3/4
3	92,035	3	76,878	3	61,722	3	46,581	3	31,480	3	16,590	3	1,609	3	3	3	3	3	3
1/4	91,720	1/4	76,563	1/4	61,406	1/4	46,268	1/4	31,165	1/4	16,274	1/4	1,343	1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,404	1/2	76,247	1/2	61,090	1/2	45,951	1/2	30,850	1/2	15,958	1/2	1,155	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,088	3/4	75,931	3/4	60,774	3/4	45,635	3/4	30,535	3/4	15,643	3/4	968	3/4	3/4	3/4	3/4	3/4	3/4
4	90,772	4	75,615	4	60,458	4	45,319	4	30,220	4	15,327	4	781	4	4	4	4	4	4
1/4	90,457	1/4	75,300	1/4	60,143	1/4	45,004	1/4	29,905	1/4	15,011	1/4	593	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,141	1/2	74,984	1/2	59,827	1/2	44,730	1/2	29,589	1/2	14,695	1/2	406	1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,825	3/4	74,668	3/4	59,511	3/4	44,415	3/4	29,274	3/4	14,380	3/4	219	3/4	3/4	3/4	3/4	3/4	3/4
5	89,509	5	74,352	5	59,195	5	44,100	5	28,958	5	14,064	5	32	5	5	5	5	5	5
1/4	89,193	1/4	74,037	1/4	58,880	1/4	43,885	1/4	28,643	1/4	13,748	1/4	145	1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,878	1/2	73,721	1/2	58,564	1/2	43,570	1/2	28,327	1/2	13,432	1/2	158	1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,562	3/4	73,405	3/4	58,248	3/4	43,255	3/4	28,012	3/4	13,116	3/4	271	3/4	3/4	3/4	3/4	3/4	3/4
6	88,246	6	73,089	6	57,932	6	42,940	6	27,696	6	12,801	6	384	6	6	6	6	6	6
1/4	87,930	1/4	72,773	1/4	57,617	1/4	42,625	1/4	27,381	1/4	12,485	1/4	497	1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,615	1/2	72,458	1/2	57,301	1/2	42,310	1/2	27,065	1/2	12,169	1/2	610	1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,299	3/4	72,142	3/4	56,985	3/4	41,995	3/4	26,750	3/4	11,853	3/4	723	3/4	3/4	3/4	3/4	3/4	3/4
7	86,983	7	71,826	7	56,669	7	41,680	7	26,434	7	11,538	7	836	7	7	7	7	7	7
1/4	86,667	1/4	71,510	1/4	56,353	1/4	41,365	1/4	26,119	1/4	11,222	1/4	949	1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,352	1/2	71,195	1/2	56,038	1/2	41,050	1/2	25,804	1/2	10,906	1/2	1,062	1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,036	3/4	70,879	3/4	55,722	3/4	40,735	3/4	25,489	3/4	10,590	3/4	1,175	3/4	3/4	3/4	3/4	3/4	3/4
8	85,720	8	70,563	8	55,406	8	40,420	8	25,173	8	10,275	8	1,288	8	8	8	8	8	8
1/4	85,404	1/4	70,247	1/4	55,090	1/4	40,105	1/4	24,858	1/4	9,959	1/4	1,401	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,088	1/2	69,932	1/2	54,775	1/2	39,790	1/2	24,543	1/2	9,643	1/2	1,514	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,773	3/4	69,616	3/4	54,459	3/4	39,475	3/4	24,228	3/4	9,327	3/4	1,627	3/4	3/4	3/4	3/4	3/4	3/4
9	84,457	9	69,300	9	54,143	9	39,160	9	23,913	9	9,012	9	1,740	9	9	9	9	9	9
1/4	84,141	1/4	68,984	1/4	53,827	1/4	38,845	1/4	23,598	1/4	8,696	1/4	1,853	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,825	1/2	68,668	1/2	53,512	1/2	38,530	1/2	23,283	1/2	8,380	1/2	1,966	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,510	3/4	68,353	3/4	53,196	3/4	38,215	3/4	22,968	3/4	8,064	3/4	2,079	3/4	3/4	3/4	3/4	3/4	3/4
10	83,194	10	68,037	10	52,880	10	37,900	10	22,653	10	7,749	10	2,192	10	10	10	10	10	10
1/4	82,878	1/4	67,721	1/4	52,564	1/4	37,585	1/4	22,338	1/4	7,433	1/4	2,305	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,562	1/2	67,405	1/2	52,248	1/2	37,270	1/2	22,023	1/2	7,117	1/2	2,418	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,247	3/4	67,090	3/4	51,933	3/4	36,955	3/4	21,708	3/4	6,801	3/4	2,531	3/4	3/4	3/4	3/4	3/4	3/4
11	81,931	11	66,774	11	51,617	11	36,640	11	21,393	11	6,486	11	2,644	11	11	11	11	11	11
1/4	81,615	1/4	66,458	1/4	51,301	1/4	36,325	1/4	21,078	1/4	6,170	1/4	2,757	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,299	1/2	66,142	1/2	50,985	1/2	36,010	1/2	20,763	1/2	5,854	1/2	2,870	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,983	3/4	65,827	3/4	50,670	3/4	35,695	3/4	20,448	3/4	5,538	3/4	2,983	3/4	3/4	3/4	3/4	3/4	3/4

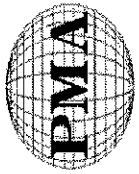
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/05/2013 CL  
CALCULATED: 03/05/2013 CL  
PRINTED: 03/05/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2013

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





# BARGE "CBC 315"

## 3 PORT ULLAGE TABLE

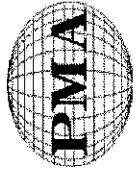
CAPACITIES GIVEN IN WHOLE GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	82,980	0	67,391	0	51,830	0	36,619	0	21,014	0	5,385	0	0	0	0	0	0	0
1/4	1/4	82,666	1/4	67,067	1/4	51,513	1/4	36,295	1/4	20,689	1/4	5,059	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	82,331	1/2	66,742	1/2	51,196	1/2	35,970	1/2	20,363	1/2	4,734	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	82,006	3/4	66,417	3/4	50,880	3/4	35,645	3/4	20,037	3/4	4,409	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	81,681	1	66,093	1	50,563	1	35,321	1	19,712	1	4,084	1	1	1	1	1	1	1
1/4	1/4	81,356	1/4	65,768	1/4	50,246	1/4	34,996	1/4	19,386	1/4	3,759	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	81,032	1/2	65,443	1/2	49,929	1/2	34,671	1/2	19,061	1/2	3,440	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	80,707	3/4	65,119	3/4	49,613	3/4	34,347	3/4	18,735	3/4	3,121	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	80,382	2	64,794	2	49,296	2	34,022	2	18,409	2	2,802	2	2	2	2	2	2	2
1/4	1/4	80,057	1/4	64,469	1/4	48,980	1/4	33,698	1/4	18,084	1/4	2,483	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	79,733	1/2	64,144	1/2	48,663	1/2	33,373	1/2	17,758	1/2	2,208	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	79,408	3/4	63,819	3/4	48,346	3/4	33,048	3/4	17,432	3/4	1,933	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	79,083	3	63,495	3	48,030	3	32,724	3	17,107	3	1,659	3	3	3	3	3	3	3
1/4	1/4	78,758	1/4	63,170	1/4	47,713	1/4	32,399	1/4	16,781	1/4	1,384	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	78,433	1/2	62,845	1/2	47,397	1/2	32,075	1/2	16,456	1/2	1,191	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	78,109	3/4	62,520	3/4	47,081	3/4	31,750	3/4	16,130	3/4	997	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	77,784	4	62,196	4	46,765	4	31,425	4	15,804	4	804	4	4	4	4	4	4	4
1/4	1/4	77,459	1/4	61,871	1/4	46,449	1/4	31,101	1/4	15,479	1/4	611	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	77,134	1/2	61,546	1/2	46,132	1/2	30,776	1/2	15,153	1/2	418	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	76,810	3/4	61,221	3/4	45,816	3/4	30,452	3/4	14,828	3/4	225	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	76,485	5	60,896	5	45,500	5	30,127	5	14,502	5	3	5	5	5	5	5	5	5
1/4	1/4	76,160	1/4	60,572	1/4	45,184	1/4	29,802	1/4	14,176	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	75,835	1/2	60,247	1/2	44,868	1/2	29,478	1/2	13,851	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	75,510	3/4	59,922	3/4	44,551	3/4	29,153	3/4	13,525	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	75,186	6	59,597	6	44,235	6	28,828	6	13,199	6	1	6	6	6	6	6	6	6
1/4	1/4	74,861	1/4	59,273	1/4	43,919	1/4	28,503	1/4	12,874	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	74,536	1/2	58,948	1/2	43,603	1/2	28,178	1/2	12,548	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	74,211	3/4	58,623	3/4	43,287	3/4	27,852	3/4	12,223	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	73,886	7	58,298	7	42,971	7	27,527	7	11,897	7	1	7	7	7	7	7	7	7
1/4	1/4	73,562	1/4	57,973	1/4	42,654	1/4	27,201	1/4	11,571	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	73,237	1/2	57,649	1/2	42,338	1/2	26,875	1/2	11,246	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	72,912	3/4	57,324	3/4	42,022	3/4	26,550	3/4	10,920	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	72,587	8	56,999	8	41,706	8	26,224	8	10,594	8	1	8	8	8	8	8	8	8
1/4	1/4	72,263	1/4	56,674	1/4	41,390	1/4	25,899	1/4	10,269	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	71,938	1/2	56,350	1/2	41,074	1/2	25,573	1/2	9,943	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	71,613	3/4	56,025	3/4	40,757	3/4	25,247	3/4	9,618	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	71,288	9	55,700	9	40,441	9	24,922	9	9,292	9	1	9	9	9	9	9	9	9
1/4	1/4	70,963	1/4	55,375	1/4	40,125	1/4	24,596	1/4	8,966	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	70,639	1/2	55,050	1/2	39,809	1/2	24,270	1/2	8,641	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	70,314	3/4	54,726	3/4	39,493	3/4	23,945	3/4	8,315	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	69,989	10	54,401	10	39,177	10	23,619	10	7,990	10	1	10	10	10	10	10	10	10
1/4	1/4	69,664	1/4	54,076	1/4	38,860	1/4	23,294	1/4	7,664	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	69,340	1/2	53,752	1/2	38,544	1/2	22,968	1/2	7,338	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	69,015	3/4	53,429	3/4	38,227	3/4	22,642	3/4	7,013	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	68,690	11	53,105	11	37,910	11	22,317	11	6,687	11	1	11	11	11	11	11	11	11
1/4	1/4	68,365	1/4	52,781	1/4	37,593	1/4	21,991	1/4	6,361	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	68,041	1/2	52,464	1/2	37,268	1/2	21,665	1/2	6,036	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	67,716	3/4	52,147	3/4	36,944	3/4	21,340	3/4	5,710	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/05/2013 CL  
 CALCULATED: 03/05/2013 CL  
 PRINTED: 03/06/2013 CL  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 03/2013

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



# BARGE "CBC 315"

# 3 STBD

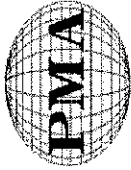
## ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	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.

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 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "CBC 315"

# 3 STBD

# ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	97,791	0	82,240	0	66,689	0	51,160	0	36,255	0	20,667	0	5,054	0	0	0	0	0	0
1/4	97,468	1/4	81,916	1/4	66,344	1/4	50,849	1/4	35,931	1/4	20,341	1/4	4,730	1/4	1/4	1/4	1/4	1/4	1/4
1/2	97,145	1/2	81,592	1/2	66,020	1/2	50,539	1/2	35,607	1/2	20,016	1/2	4,405	1/2	1/2	1/2	1/2	1/2	1/2
3/4	96,821	3/4	81,267	3/4	65,696	3/4	50,229	3/4	35,283	3/4	19,691	3/4	4,080	3/4	3/4	3/4	3/4	3/4	3/4
1	96,498	1	80,943	1	65,371	1	49,918	1	34,958	1	19,365	1	3,756	1	1	1	1	1	1
1/4	96,175	1/4	80,618	1/4	65,047	1/4	49,608	1/4	34,634	1/4	19,040	1/4	3,437	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,851	1/2	80,294	1/2	64,723	1/2	49,298	1/2	34,310	1/2	18,715	1/2	3,118	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,528	3/4	79,969	3/4	64,398	3/4	48,988	3/4	33,986	3/4	18,390	3/4	2,799	3/4	3/4	3/4	3/4	3/4	3/4
2	95,205	2	79,645	2	64,074	2	48,678	2	33,661	2	18,064	2	2,480	2	2	2	2	2	2
1/4	94,882	1/4	79,321	1/4	63,749	1/4	48,369	1/4	33,337	1/4	17,739	1/4	2,206	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,558	1/2	78,996	1/2	63,425	1/2	48,060	1/2	33,013	1/2	17,414	1/2	1,932	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,235	3/4	78,672	3/4	63,100	3/4	47,750	3/4	32,689	3/4	17,089	3/4	1,657	3/4	3/4	3/4	3/4	3/4	3/4
3	93,912	3	78,347	3	62,776	3	47,441	3	32,364	3	16,763	3	1,383	3	3	3	3	3	3
1/4	93,588	1/4	78,023	1/4	62,452	1/4	47,132	1/4	32,040	1/4	16,438	1/4	1,190	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,265	1/2	77,699	1/2	62,127	1/2	46,823	1/2	31,716	1/2	16,113	1/2	997	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,942	3/4	77,374	3/4	61,803	3/4	46,514	3/4	31,392	3/4	15,788	3/4	803	3/4	3/4	3/4	3/4	3/4	3/4
4	92,618	4	77,050	4	61,478	4	46,205	4	31,067	4	15,462	4	610	4	4	4	4	4	4
1/4	92,295	1/4	76,725	1/4	61,154	1/4	45,896	1/4	30,743	1/4	15,137	1/4	416	1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,971	1/2	76,401	1/2	60,829	1/2	45,587	1/2	30,419	1/2	14,812	1/2	222	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,648	3/4	76,076	3/4	60,506	3/4	45,279	3/4	30,096	3/4	14,486	3/4	34	3/4	3/4	3/4	3/4	3/4	3/4
5	91,324	5	75,752	5	60,181	5	44,970	5	29,770	5	14,161	5	5	5	5	5	5	5	5
1/4	91,000	1/4	75,428	1/4	59,856	1/4	44,661	1/4	29,446	1/4	13,836	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,676	1/2	75,103	1/2	59,532	1/2	44,352	1/2	29,122	1/2	13,511	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,351	3/4	74,779	3/4	59,207	3/4	44,043	3/4	28,797	3/4	13,185	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4
6	90,027	6	74,454	6	58,883	6	43,734	6	28,473	6	12,860	6	6	6	6	6	6	6	6
1/4	89,702	1/4	74,130	1/4	58,558	1/4	43,425	1/4	28,148	1/4	12,535	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,378	1/2	73,805	1/2	58,234	1/2	43,116	1/2	27,822	1/2	12,210	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,053	3/4	73,481	3/4	57,910	3/4	42,807	3/4	27,497	3/4	11,884	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4
7	88,729	7	73,157	7	57,586	7	42,498	7	27,172	7	11,559	7	7	7	7	7	7	7	7
1/4	88,405	1/4	72,832	1/4	57,261	1/4	42,189	1/4	26,847	1/4	11,234	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,080	1/2	72,508	1/2	56,936	1/2	41,880	1/2	26,521	1/2	10,909	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,756	3/4	72,183	3/4	56,612	3/4	41,571	3/4	26,196	3/4	10,583	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4
8	87,431	8	71,859	8	56,288	8	41,263	8	25,871	8	10,258	8	8	8	8	8	8	8	8
1/4	87,107	1/4	71,534	1/4	55,963	1/4	40,954	1/4	25,545	1/4	9,933	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,782	1/2	71,210	1/2	55,639	1/2	40,645	1/2	25,220	1/2	9,608	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,458	3/4	70,886	3/4	55,314	3/4	40,336	3/4	24,895	3/4	9,282	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4
9	86,134	9	70,561	9	54,990	9	40,027	9	24,570	9	8,957	9	9	9	9	9	9	9	9
1/4	85,809	1/4	70,237	1/4	54,665	1/4	39,718	1/4	24,244	1/4	8,632	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,485	1/2	69,912	1/2	54,341	1/2	39,409	1/2	23,919	1/2	8,306	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,160	3/4	69,588	3/4	54,017	3/4	39,100	3/4	23,594	3/4	7,981	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4
10	84,836	10	68,263	10	53,692	10	38,791	10	23,269	10	7,656	10	10	10	10	10	10	10	10
1/4	84,511	1/4	68,939	1/4	53,368	1/4	38,481	1/4	22,943	1/4	7,331	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,187	1/2	68,615	1/2	53,047	1/2	38,171	1/2	22,618	1/2	7,005	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,863	3/4	68,290	3/4	52,724	3/4	37,860	3/4	22,293	3/4	6,680	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4
11	83,538	11	67,966	11	52,401	11	37,550	11	21,968	11	6,355	11	11	11	11	11	11	11	11
1/4	83,214	1/4	67,642	1/4	52,091	1/4	37,226	1/4	21,642	1/4	6,030	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,889	1/2	67,317	1/2	51,781	1/2	36,903	1/2	21,317	1/2	5,705	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,565	3/4	66,993	3/4	51,470	3/4	36,579	3/4	20,992	3/4	5,379	3/4	1/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/05/2013 CL  
 CALCULATED: 03/05/2013 CL  
 PRINTED: 03/05/2013 CL  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 03/2013

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



# BARGE "CBC 315"

## 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 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
2 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

### EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 4'-00"  
 AFT DRAFT = 6'-00"  
 DIFF. = 2'-00" (DOWN BY STERN)

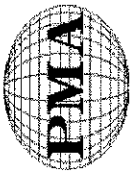
THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS 00-1/4"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 238'-03"

March 5, 2013

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

<http://www.pmacorp.net>



# BARGE "CBC 315"

# 1 PORT

## INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	584	0	28,390	0	59,686	0	44,000	0	59,686	0	75,387	0	91,088	0	106,789	0	122,490	0	138,190
1/4	719	1/4	13,623	1/4	28,717	1/4	44,324	1/4	60,013	1/4	75,714	1/4	91,415	1/4	107,116	1/4	122,817	1/4	138,517
1/2	854	1/2	13,824	1/2	29,044	1/2	44,849	1/2	60,340	1/2	76,041	1/2	91,742	1/2	107,443	1/2	123,144	1/2	138,844
3/4	988	3/4	14,125	3/4	29,371	3/4	44,973	3/4	60,667	3/4	76,368	3/4	92,069	3/4	107,770	3/4	123,471	3/4	139,171
1	1,123	1	14,425	1	29,698	1	45,297	1	60,994	1	76,695	1	92,396	1	108,097	1	123,798	1	139,498
1 1/4	1,335	1 1/4	14,729	1 1/4	30,026	1 1/4	45,624	1 1/4	61,321	1 1/4	77,022	1 1/4	92,723	1 1/4	108,424	1 1/4	124,126	1 1/4	139,825
1 1/2	1,547	1 1/2	15,034	1 1/2	30,353	1 1/2	45,950	1 1/2	61,648	1 1/2	77,349	1 1/2	93,051	1 1/2	108,752	1 1/2	124,453	1 1/2	140,152
3/4	1,759	3/4	15,338	3/4	30,680	3/4	46,277	3/4	61,975	3/4	77,677	3/4	93,378	3/4	109,079	3/4	124,780	3/4	140,479
2	1,971	2	15,642	2	31,007	2	46,603	2	62,303	2	78,004	2	93,705	2	109,406	2	125,107	2	140,806
1 1/4	2,232	1 1/4	15,949	1 1/4	31,334	1 1/4	46,930	1 1/4	62,630	1 1/4	78,331	1 1/4	94,032	1 1/4	109,733	1 1/4	125,434	1 1/4	141,133
1 1/2	2,492	1 1/2	16,257	1 1/2	31,661	1 1/2	47,257	1 1/2	62,957	1 1/2	78,658	1 1/2	94,359	1 1/2	110,060	1 1/2	125,761	1 1/2	141,460
3/4	2,752	3/4	16,564	3/4	31,988	3/4	47,583	3/4	63,284	3/4	78,985	3/4	94,686	3/4	110,387	3/4	126,088	3/4	141,787
3	3,012	3	16,872	3	32,315	3	47,910	3	63,611	3	79,312	3	95,013	3	110,714	3	126,415	3	142,114
1 1/4	3,282	1 1/4	17,183	1 1/4	32,641	1 1/4	48,237	1 1/4	63,938	1 1/4	79,639	1 1/4	95,340	1 1/4	111,041	1 1/4	126,742	1 1/4	142,441
1 1/2	3,551	1 1/2	17,494	1 1/2	32,966	1 1/2	48,564	1 1/2	64,265	1 1/2	79,966	1 1/2	95,667	1 1/2	111,368	1 1/2	127,070	1 1/2	142,768
3/4	3,821	3/4	17,805	3/4	33,291	3/4	48,891	3/4	64,592	3/4	80,293	3/4	95,994	3/4	111,696	3/4	127,397	3/4	143,095
4	4,090	4	18,116	4	33,617	4	49,218	4	64,919	4	80,620	4	96,322	4	112,023	4	127,724	4	143,422
1 1/4	4,363	1 1/4	18,430	1 1/4	33,942	1 1/4	49,545	1 1/4	65,247	1 1/4	80,948	1 1/4	96,649	1 1/4	112,350	1 1/4	128,051	1 1/4	143,749
1 1/2	4,637	1 1/2	18,744	1 1/2	34,267	1 1/2	49,873	1 1/2	65,574	1 1/2	81,275	1 1/2	96,976	1 1/2	112,677	1 1/2	128,378	1 1/2	144,076
3/4	4,910	3/4	19,059	3/4	34,592	3/4	50,200	3/4	65,901	3/4	81,602	3/4	97,303	3/4	113,004	3/4	128,705	3/4	144,403
5	5,184	5	19,373	5	34,917	5	50,527	5	66,228	5	81,929	5	97,630	5	113,331	5	129,032	5	144,730
1 1/4	5,460	1 1/4	19,691	1 1/4	35,241	1 1/4	50,854	1 1/4	66,555	1 1/4	82,256	1 1/4	97,957	1 1/4	113,658	1 1/4	129,359	1 1/4	145,057
1 1/2	5,737	1 1/2	20,008	1 1/2	35,566	1 1/2	51,181	1 1/2	66,882	1 1/2	82,583	1 1/2	98,284	1 1/2	113,985	1 1/2	129,686	1 1/2	145,384
3/4	6,014	3/4	20,326	3/4	35,890	3/4	51,505	3/4	67,209	3/4	82,910	3/4	98,611	3/4	114,312	3/4	130,013	3/4	145,711
6	6,291	6	20,644	6	36,215	6	51,835	6	67,536	6	83,237	6	98,938	6	114,639	6	130,341	6	146,038
1 1/4	6,571	1 1/4	20,965	1 1/4	36,539	1 1/4	52,162	1 1/4	67,863	1 1/4	83,564	1 1/4	99,266	1 1/4	114,967	1 1/4	130,668	1 1/4	146,365
1 1/2	6,852	1 1/2	21,286	1 1/2	36,864	1 1/2	52,489	1 1/2	68,190	1 1/2	83,892	1 1/2	99,593	1 1/2	115,294	1 1/2	130,995	1 1/2	146,692
3/4	7,132	3/4	21,607	3/4	37,188	3/4	52,816	3/4	68,518	3/4	84,219	3/4	99,920	3/4	115,621	3/4	131,322	3/4	147,019
7	7,412	7	21,928	7	37,512	7	53,144	7	68,845	7	84,546	7	100,247	7	115,948	7	131,649	7	147,346
1 1/4	7,696	1 1/4	22,245	1 1/4	37,837	1 1/4	53,471	1 1/4	69,172	1 1/4	84,873	1 1/4	100,574	1 1/4	116,275	1 1/4	131,976	1 1/4	147,673
1 1/2	7,980	1 1/2	22,562	1 1/2	38,161	1 1/2	53,798	1 1/2	69,499	1 1/2	85,200	1 1/2	100,901	1 1/2	116,602	1 1/2	132,303	1 1/2	148,000
3/4	8,263	3/4	22,879	3/4	38,486	3/4	54,125	3/4	69,826	3/4	85,527	3/4	101,228	3/4	116,929	3/4	132,630	3/4	148,327
8	8,547	8	23,196	8	38,810	8	54,452	8	70,153	8	85,854	8	101,555	8	117,256	8	132,957	8	148,654
1 1/4	8,834	1 1/4	23,514	1 1/4	39,134	1 1/4	54,779	1 1/4	70,480	1 1/4	86,181	1 1/4	101,882	1 1/4	117,583	1 1/4	133,284	1 1/4	148,982
1 1/2	9,121	1 1/2	23,833	1 1/2	39,459	1 1/2	55,106	1 1/2	70,807	1 1/2	86,508	1 1/2	102,209	1 1/2	117,911	1 1/2	133,611	1 1/2	149,309
3/4	9,408	3/4	24,151	3/4	39,783	3/4	55,433	3/4	71,134	3/4	86,835	3/4	102,537	3/4	118,238	3/4	133,938	3/4	149,636
9	9,695	9	24,469	9	40,107	9	55,760	9	71,462	9	87,163	9	102,864	9	118,565	9	134,265	9	149,963
1 1/4	9,986	1 1/4	24,795	1 1/4	40,432	1 1/4	56,088	1 1/4	71,789	1 1/4	87,490	1 1/4	103,191	1 1/4	118,892	1 1/4	134,592	1 1/4	150,290
1 1/2	10,277	1 1/2	25,121	1 1/2	40,756	1 1/2	56,415	1 1/2	72,116	1 1/2	87,817	1 1/2	103,518	1 1/2	119,219	1 1/2	134,919	1 1/2	150,617
3/4	10,567	3/4	25,447	3/4	41,081	3/4	56,742	3/4	72,443	3/4	88,144	3/4	103,845	3/4	119,546	3/4	135,246	3/4	150,944
10	10,858	10	25,773	10	41,405	10	57,069	10	72,770	10	88,471	10	104,172	10	119,873	10	135,573	10	151,271
1 1/4	11,151	1 1/4	26,100	1 1/4	41,729	1 1/4	57,396	1 1/4	73,097	1 1/4	88,798	1 1/4	104,499	1 1/4	120,200	1 1/4	135,900	1 1/4	151,598
1 1/2	11,445	1 1/2	26,428	1 1/2	42,054	1 1/2	57,723	1 1/2	73,424	1 1/2	89,125	1 1/2	104,826	1 1/2	120,527	1 1/2	136,227	1 1/2	151,925
3/4	11,739	3/4	26,755	3/4	42,378	3/4	58,050	3/4	73,751	3/4	89,452	3/4	105,153	3/4	120,855	3/4	136,554	3/4	152,252
11	12,033	11	27,082	11	42,702	11	58,377	11	74,078	11	89,779	11	105,481	11	121,182	11	136,881	11	152,579
1 1/4	12,330	1 1/4	27,409	1 1/4	43,027	1 1/4	58,704	1 1/4	74,405	1 1/4	90,107	1 1/4	105,808	1 1/4	121,509	1 1/4	137,209	1 1/4	152,906
1 1/2	12,628	1 1/2	27,736	1 1/2	43,351	1 1/2	59,032	1 1/2	74,733	1 1/2	90,434	1 1/2	106,135	1 1/2	121,836	1 1/2	137,536	1 1/2	153,233
3/4	12,925	3/4	28,063	3/4	43,676	3/4	59,359	3/4	75,060	3/4	90,761	3/4	106,462	3/4	122,163	3/4	137,863	3/4	153,560

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.

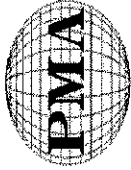
GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 315"

# 1 PORT INNAGE TABLE

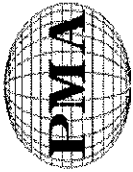
CAPACITIES GIVEN IN WHOLE GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	163,887	0	169,584	0	185,210	0	200,819	0	216,341	0	231,828	0	247,281	0	262,699	0	278,082	0	293,430
1/4	164,214	1/4	170,011	1/4	185,836	1/4	201,445	1/4	217,067	1/4	232,654	1/4	248,207	1/4	263,725	1/4	279,214	1/4	294,673
1/2	164,541	1/2	170,338	1/2	186,163	1/2	201,772	1/2	217,401	1/2	232,988	1/2	248,541	1/2	264,054	1/2	279,543	1/2	295,001
3/4	164,868	3/4	170,665	3/4	186,490	3/4	202,105	3/4	217,730	3/4	233,322	3/4	248,874	3/4	264,387	3/4	279,876	3/4	295,328
1	165,195	1	170,992	1	186,817	1	202,429	1	218,054	1	233,644	1	249,198	1	264,702	1	280,180	1	295,650
1 1/4	165,522	1 1/4	171,319	1 1/4	187,144	1 1/4	202,753	1 1/4	218,378	1 1/4	233,968	1 1/4	249,522	1 1/4	265,016	1 1/4	280,502	1 1/4	295,972
1 1/2	165,849	1 1/2	171,646	1 1/2	187,471	1 1/2	203,077	1 1/2	218,703	1 1/2	234,283	1 1/2	249,847	1 1/2	265,341	1 1/2	280,824	1 1/2	296,294
3/4	166,176	3/4	171,973	3/4	187,798	3/4	203,396	3/4	219,028	3/4	234,602	3/4	250,171	3/4	265,665	3/4	281,146	3/4	296,616
2	166,503	2	172,301	2	188,124	2	203,721	2	219,353	2	234,927	2	250,496	2	265,989	2	281,468	2	296,938
1 1/4	166,830	1 1/4	172,628	1 1/4	188,451	1 1/4	204,046	1 1/4	219,678	1 1/4	235,252	1 1/4	250,820	1 1/4	266,313	1 1/4	281,790	1 1/4	297,260
1 1/2	167,157	1 1/2	172,955	1 1/2	188,778	1 1/2	204,371	1 1/2	220,003	1 1/2	235,577	1 1/2	251,144	1 1/2	266,637	1 1/2	282,112	1 1/2	297,582
3/4	167,484	3/4	173,282	3/4	189,105	3/4	204,696	3/4	220,328	3/4	235,902	3/4	251,468	3/4	266,961	3/4	282,434	3/4	297,904
3	167,811	3	173,609	3	189,432	3	205,021	3	220,653	3	236,227	3	251,792	3	267,285	3	282,756	3	298,226
1 1/4	168,138	1 1/4	173,936	1 1/4	189,759	1 1/4	205,346	1 1/4	220,978	1 1/4	236,552	1 1/4	252,116	1 1/4	267,609	1 1/4	283,078	1 1/4	298,548
1 1/2	168,465	1 1/2	174,263	1 1/2	190,086	1 1/2	205,671	1 1/2	221,303	1 1/2	236,877	1 1/2	252,440	1 1/2	267,933	1 1/2	283,400	1 1/2	298,870
3/4	168,792	3/4	174,590	3/4	190,413	3/4	206,000	3/4	221,628	3/4	237,202	3/4	252,764	3/4	268,257	3/4	283,722	3/4	299,192
4	169,119	4	174,917	4	190,740	4	206,325	4	221,953	4	237,527	4	253,088	4	268,581	4	284,044	4	299,514
1 1/4	169,446	1 1/4	175,244	1 1/4	191,067	1 1/4	206,650	1 1/4	222,278	1 1/4	237,852	1 1/4	253,412	1 1/4	268,905	1 1/4	284,366	1 1/4	299,836
1 1/2	169,773	1 1/2	175,571	1 1/2	191,394	1 1/2	206,975	1 1/2	222,603	1 1/2	238,177	1 1/2	253,736	1 1/2	269,229	1 1/2	284,688	1 1/2	300,158
3/4	170,100	3/4	175,898	3/4	191,721	3/4	207,300	3/4	222,928	3/4	238,502	3/4	254,060	3/4	269,553	3/4	285,010	3/4	300,480
5	170,427	5	176,225	5	192,048	5	207,625	5	223,253	5	238,827	5	254,384	5	269,877	5	285,332	5	300,802
1 1/4	170,754	1 1/4	176,552	1 1/4	192,375	1 1/4	207,950	1 1/4	223,578	1 1/4	239,152	1 1/4	254,708	1 1/4	270,201	1 1/4	285,654	1 1/4	301,124
1 1/2	171,081	1 1/2	176,879	1 1/2	192,702	1 1/2	208,275	1 1/2	223,903	1 1/2	239,477	1 1/2	255,032	1 1/2	270,525	1 1/2	285,976	1 1/2	301,446
3/4	171,408	3/4	177,206	3/4	193,029	3/4	208,600	3/4	224,228	3/4	239,802	3/4	255,356	3/4	270,849	3/4	286,298	3/4	301,768
6	171,735	6	177,533	6	193,356	6	208,925	6	224,553	6	240,127	6	255,680	6	271,173	6	286,620	6	302,090
1 1/4	172,062	1 1/4	177,860	1 1/4	193,683	1 1/4	209,250	1 1/4	224,878	1 1/4	240,452	1 1/4	256,004	1 1/4	271,497	1 1/4	286,942	1 1/4	302,412
1 1/2	172,389	1 1/2	178,187	1 1/2	194,010	1 1/2	209,575	1 1/2	225,203	1 1/2	240,777	1 1/2	256,328	1 1/2	271,821	1 1/2	287,264	1 1/2	302,734
3/4	172,716	3/4	178,514	3/4	194,337	3/4	209,900	3/4	225,528	3/4	241,102	3/4	256,652	3/4	272,145	3/4	287,586	3/4	303,056
7	173,043	7	178,841	7	194,664	7	210,225	7	225,853	7	241,427	7	256,976	7	272,469	7	287,908	7	303,378
1 1/4	173,370	1 1/4	179,168	1 1/4	194,991	1 1/4	210,550	1 1/4	226,178	1 1/4	241,752	1 1/4	257,300	1 1/4	272,793	1 1/4	288,230	1 1/4	303,700
1 1/2	173,697	1 1/2	179,495	1 1/2	195,318	1 1/2	210,875	1 1/2	226,503	1 1/2	242,077	1 1/2	257,624	1 1/2	273,117	1 1/2	288,552	1 1/2	304,022
3/4	174,024	3/4	179,822	3/4	195,645	3/4	211,200	3/4	226,828	3/4	242,402	3/4	257,948	3/4	273,441	3/4	288,874	3/4	304,344
8	174,351	8	180,149	8	195,972	8	211,525	8	227,153	8	242,727	8	258,272	8	273,765	8	289,196	8	304,666
1 1/4	174,678	1 1/4	180,476	1 1/4	196,300	1 1/4	211,850	1 1/4	227,478	1 1/4	243,052	1 1/4	258,596	1 1/4	274,089	1 1/4	289,518	1 1/4	304,988
1 1/2	175,005	1 1/2	180,803	1 1/2	196,627	1 1/2	212,175	1 1/2	227,803	1 1/2	243,377	1 1/2	258,920	1 1/2	274,413	1 1/2	289,840	1 1/2	305,310
3/4	175,332	3/4	181,130	3/4	196,954	3/4	212,500	3/4	228,128	3/4	243,702	3/4	259,244	3/4	274,737	3/4	290,162	3/4	305,632
9	175,659	9	181,457	9	197,282	9	212,825	9	228,453	9	244,027	9	259,568	9	275,061	9	290,484	9	305,954
1 1/4	175,987	1 1/4	181,784	1 1/4	197,610	1 1/4	213,150	1 1/4	228,778	1 1/4	244,352	1 1/4	259,892	1 1/4	275,385	1 1/4	290,806	1 1/4	306,276
1 1/2	176,314	1 1/2	182,111	1 1/2	197,938	1 1/2	213,475	1 1/2	229,103	1 1/2	244,677	1 1/2	260,216	1 1/2	275,709	1 1/2	291,128	1 1/2	306,598
3/4	176,641	3/4	182,438	3/4	198,265	3/4	213,800	3/4	229,428	3/4	245,002	3/4	260,540	3/4	276,033	3/4	291,450	3/4	306,920
10	176,968	10	182,765	10	198,592	10	214,125	10	229,753	10	245,327	10	260,864	10	276,357	10	291,772	10	307,242
1 1/4	177,295	1 1/4	183,092	1 1/4	198,920	1 1/4	214,450	1 1/4	230,078	1 1/4	245,652	1 1/4	261,188	1 1/4	276,681	1 1/4	292,094	1 1/4	307,564
1 1/2	177,622	1 1/2	183,419	1 1/2	199,248	1 1/2	214,775	1 1/2	230,403	1 1/2	245,977	1 1/2	261,512	1 1/2	277,005	1 1/2	292,416	1 1/2	307,886
3/4	177,949	3/4	183,746	3/4	199,575	3/4	215,100	3/4	230,728	3/4	246,302	3/4	261,836	3/4	277,329	3/4	292,738	3/4	308,208
11	178,276	11	184,073	11	199,903	11	215,425	11	231,053	11	246,627	11	262,160	11	277,653	11	293,060	11	308,530
1 1/4	178,603	1 1/4	184,400	1 1/4	200,230	1 1/4	215,750	1 1/4	231,378	1 1/4	246,952	1 1/4	262,484	1 1/4	277,977	1 1/4	293,382	1 1/4	308,852
1 1/2	178,930	1 1/2	184,727	1 1/2	200,557	1 1/2	216,075	1 1/2	231,703	1 1/2	247,277	1 1/2	262,808	1 1/2	278,301	1 1/2	293,704	1 1/2	309,174
3/4	179,257	3/4	185,054	3/4	200,884	3/4	216,400	3/4	232,028	3/4	247,602	3/4	263,132	3/4	278,625	3/4	294,026	3/4	309,496

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/05/2013 CL  
 CALCULATED: 03/05/2013 CL  
 PRINTED: 03/05/2013 SW  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 03/2013

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



# BARGE "CBC 315"

# 1 STBD

## INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	584	0	13,228	0	28,403	0	44,073	0	59,775	0	75,484	0	91,192	0	106,901	0	122,609	0	138,316
1/4	719	1/4	13,529	1/4	28,731	1/4	44,399	1/4	60,102	1/4	75,811	1/4	91,519	1/4	107,228	1/4	122,936	1/4	138,643
1/2	854	1/2	13,830	1/2	29,058	1/2	44,726	1/2	60,430	1/2	76,138	1/2	91,847	1/2	107,555	1/2	123,264	1/2	138,971
3/4	989	3/4	14,131	3/4	29,385	3/4	45,052	3/4	60,757	3/4	76,465	3/4	92,174	3/4	107,882	3/4	123,591	3/4	139,298
1	1,123	1	14,432	1	29,712	1	45,379	1	61,084	1	76,793	1	92,501	1	108,210	1	123,918	1	139,625
1/4	1,336	1/4	14,736	1/4	30,039	1/4	45,706	1/4	61,411	1/4	77,120	1/4	92,828	1/4	108,537	1/4	124,245	1/4	139,952
1/2	1,548	1/2	15,040	1/2	30,366	1/2	46,033	1/2	61,739	1/2	77,447	1/2	93,156	1/2	108,864	1/2	124,573	1/2	140,279
3/4	1,760	3/4	15,345	3/4	30,693	3/4	46,359	3/4	62,066	3/4	77,774	3/4	93,483	3/4	109,191	3/4	124,900	3/4	140,606
2	1,972	2	15,649	2	31,020	2	46,686	2	62,393	2	78,102	2	93,810	2	109,519	2	125,227	2	140,934
1/4	2,233	1/4	15,957	1/4	31,346	1/4	47,013	1/4	62,720	1/4	78,429	1/4	94,137	1/4	109,846	1/4	125,554	1/4	141,261
1/2	2,493	1/2	16,264	1/2	31,673	1/2	47,340	1/2	63,048	1/2	78,756	1/2	94,465	1/2	110,173	1/2	125,882	1/2	141,588
3/4	2,753	3/4	16,572	3/4	32,000	3/4	47,667	3/4	63,375	3/4	79,083	3/4	94,792	3/4	110,500	3/4	126,209	3/4	141,915
3	3,013	3	16,880	3	32,327	3	47,994	3	63,702	3	79,411	3	95,119	3	110,828	3	126,536	3	142,242
1/4	3,283	1/4	17,191	1/4	32,654	1/4	48,321	1/4	64,029	1/4	79,738	1/4	95,446	1/4	111,155	1/4	126,864	1/4	142,570
1/2	3,553	1/2	17,502	1/2	32,980	1/2	48,648	1/2	64,357	1/2	80,065	1/2	95,774	1/2	111,482	1/2	127,191	1/2	142,897
3/4	3,822	3/4	17,813	3/4	33,307	3/4	48,975	3/4	64,684	3/4	80,392	3/4	96,101	3/4	111,810	3/4	127,518	3/4	143,224
4	4,092	4	18,124	4	33,634	4	49,303	4	65,011	4	80,720	4	96,428	4	112,137	4	127,845	4	143,551
1/4	4,365	1/4	18,438	1/4	33,961	1/4	49,630	1/4	65,338	1/4	81,047	1/4	96,756	1/4	112,464	1/4	128,173	1/4	143,878
1/2	4,639	1/2	18,753	1/2	34,287	1/2	49,957	1/2	65,666	1/2	81,374	1/2	97,083	1/2	112,791	1/2	128,500	1/2	144,205
3/4	4,912	3/4	19,067	3/4	34,614	3/4	50,284	3/4	65,993	3/4	81,702	3/4	97,410	3/4	113,119	3/4	128,827	3/4	144,533
5	5,186	5	19,382	5	34,941	5	50,612	5	66,320	5	82,029	5	97,737	5	113,446	5	129,154	5	144,860
1/4	5,463	1/4	19,700	1/4	35,267	1/4	50,939	1/4	66,647	1/4	82,356	1/4	98,065	1/4	113,773	1/4	129,482	1/4	145,187
1/2	5,740	1/2	20,018	1/2	35,593	1/2	51,266	1/2	66,975	1/2	82,683	1/2	98,392	1/2	114,100	1/2	129,809	1/2	145,514
3/4	6,017	3/4	20,335	3/4	35,919	3/4	51,593	3/4	67,302	3/4	83,011	3/4	98,719	3/4	114,428	3/4	130,136	3/4	145,841
6	6,294	6	20,653	6	36,246	6	51,921	6	67,629	6	83,338	6	99,046	6	114,755	6	130,463	6	146,169
1/4	6,574	1/4	20,975	1/4	36,572	1/4	52,248	1/4	67,957	1/4	83,665	1/4	99,374	1/4	115,082	1/4	130,791	1/4	146,496
1/2	6,855	1/2	21,296	1/2	36,898	1/2	52,575	1/2	68,284	1/2	83,992	1/2	99,701	1/2	115,409	1/2	131,118	1/2	146,823
3/4	7,135	3/4	21,617	3/4	37,224	3/4	52,903	3/4	68,611	3/4	84,320	3/4	100,028	3/4	115,737	3/4	131,445	3/4	147,150
7	7,416	7	21,938	7	37,550	7	53,230	7	68,938	7	84,647	7	100,355	7	116,064	7	131,772	7	147,477
1/4	7,699	1/4	22,256	1/4	37,876	1/4	53,557	1/4	69,266	1/4	84,974	1/4	100,683	1/4	116,391	1/4	132,100	1/4	147,804
1/2	7,983	1/2	22,573	1/2	38,202	1/2	53,884	1/2	69,593	1/2	85,301	1/2	101,010	1/2	116,718	1/2	132,427	1/2	148,132
3/4	8,267	3/4	22,890	3/4	38,528	3/4	54,212	3/4	69,920	3/4	85,629	3/4	101,337	3/4	117,046	3/4	132,754	3/4	148,459
8	8,551	8	23,207	8	38,854	8	54,539	8	70,247	8	85,956	8	101,664	8	117,373	8	133,081	8	148,786
1/4	8,838	1/4	23,525	1/4	39,180	1/4	54,866	1/4	70,575	1/4	86,283	1/4	101,992	1/4	117,700	1/4	133,408	1/4	149,113
1/2	9,125	1/2	23,844	1/2	39,506	1/2	55,193	1/2	70,902	1/2	86,610	1/2	102,319	1/2	118,027	1/2	133,736	1/2	149,440
3/4	9,413	3/4	24,162	3/4	39,832	3/4	55,521	3/4	71,229	3/4	86,938	3/4	102,646	3/4	118,355	3/4	134,063	3/4	149,768
9	9,700	9	24,481	9	40,158	9	55,848	9	71,556	9	87,265	9	102,973	9	118,682	9	134,390	9	150,095
1/4	9,991	1/4	24,807	1/4	40,484	1/4	56,175	1/4	71,884	1/4	87,592	1/4	103,301	1/4	119,009	1/4	134,717	1/4	150,422
1/2	10,281	1/2	25,133	1/2	40,811	1/2	56,502	1/2	72,211	1/2	87,919	1/2	103,628	1/2	119,337	1/2	135,044	1/2	150,749
3/4	10,572	3/4	25,459	3/4	41,137	3/4	56,830	3/4	72,538	3/4	88,247	3/4	103,955	3/4	119,664	3/4	135,372	3/4	151,076
10	10,862	10	25,785	10	41,463	10	57,157	10	72,865	10	88,574	10	104,283	10	119,991	10	135,699	10	151,403
1/4	11,156	1/4	26,112	1/4	41,789	1/4	57,484	1/4	73,193	1/4	88,901	1/4	104,610	1/4	120,318	1/4	136,026	1/4	151,731
1/2	11,451	1/2	26,440	1/2	42,115	1/2	57,811	1/2	73,520	1/2	89,229	1/2	104,937	1/2	120,646	1/2	136,353	1/2	152,058
3/4	11,745	3/4	26,767	3/4	42,441	3/4	58,139	3/4	73,847	3/4	89,556	3/4	105,264	3/4	120,973	3/4	136,680	3/4	152,385
11	12,039	11	27,094	11	42,767	11	58,466	11	74,175	11	89,883	11	105,592	11	121,300	11	137,007	11	152,712
1/4	12,336	1/4	27,421	1/4	43,093	1/4	58,793	1/4	74,502	1/4	90,210	1/4	105,919	1/4	121,627	1/4	137,335	1/4	153,039
1/2	12,634	1/2	27,749	1/2	43,420	1/2	59,120	1/2	74,829	1/2	90,538	1/2	106,246	1/2	121,955	1/2	137,662	1/2	153,367
3/4	12,931	3/4	28,076	3/4	43,746	3/4	59,448	3/4	75,156	3/4	90,865	3/4	106,573	3/4	122,282	3/4	137,989	3/4	153,694

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 ONLY APPLIES TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.  
GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "CBC 315"

1 STBD

## INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	154,021	0	169,726	0	185,358	0	200,976	0	216,505	0	231,979	0	247,388	0	262,732	0	277,999	0	293,179
1/4	154,348	1/4	170,053	1/4	185,684	1/4	201,301	1/4	216,818	1/4	232,279	1/4	247,688	1/4	263,032	1/4	278,299	1/4	293,479
1/2	154,675	1/2	170,380	1/2	186,009	1/2	201,626	1/2	217,132	1/2	232,525	1/2	247,934	1/2	263,280	1/2	278,546	1/2	293,725
3/4	155,003	3/4	170,707	3/4	186,335	3/4	201,952	3/4	217,445	3/4	232,853	3/4	248,256	3/4	263,607	3/4	278,879	3/4	294,053
1	155,330	1	171,034	1	186,660	1	202,277	1	217,759	1	233,151	1	248,578	1	264,000	1	279,201	1	294,404
1/4	155,330	1/4	171,362	1/4	186,985	1/4	202,602	1/4	218,032	1/4	233,479	1/4	248,907	1/4	264,327	1/4	279,529	1/4	294,728
1/2	155,984	1/2	171,689	1/2	187,311	1/2	202,928	1/2	218,305	1/2	233,806	1/2	249,230	1/2	264,651	1/2	279,853	1/2	295,052
3/4	156,311	3/4	172,016	3/4	187,636	3/4	203,253	3/4	218,578	3/4	234,134	3/4	249,553	3/4	264,974	3/4	280,176	3/4	295,376
2	156,638	2	172,343	2	187,961	2	203,579	2	218,851	2	234,461	2	249,876	2	265,297	2	280,500	2	295,700
1/4	156,966	1/4	172,669	1/4	188,287	1/4	203,904	1/4	219,071	1/4	234,789	1/4	250,200	1/4	265,620	1/4	280,823	1/4	296,023
1/2	157,293	1/2	172,994	1/2	188,612	1/2	204,229	1/2	219,290	1/2	235,112	1/2	250,523	1/2	265,943	1/2	281,146	1/2	296,346
3/4	157,620	3/4	173,320	3/4	188,937	3/4	204,556	3/4	219,510	3/4	235,435	3/4	250,846	3/4	266,266	3/4	281,469	3/4	296,669
3	157,947	3	173,646	3	189,263	3	204,880	3	219,730	3	235,757	3	251,169	3	266,589	3	281,792	3	296,992
1/4	158,274	1/4	173,971	1/4	189,588	1/4	205,205	1/4	219,895	1/4	236,079	1/4	251,492	1/4	266,912	1/4	282,115	1/4	297,315
1/2	158,602	1/2	174,296	1/2	189,913	1/2	205,531	1/2	220,060	1/2	236,401	1/2	251,815	1/2	267,235	1/2	282,438	1/2	297,638
3/4	158,929	3/4	174,622	3/4	190,239	3/4	205,856	3/4	220,384	3/4	236,724	3/4	252,138	3/4	267,558	3/4	282,761	3/4	297,961
4	159,256	4	174,947	4	190,564	4	206,181	4	220,707	4	237,047	4	252,461	4	267,881	4	283,084	4	298,284
1/4	159,583	1/4	175,272	1/4	190,890	1/4	206,507	1/4	221,030	1/4	237,370	1/4	252,784	1/4	268,204	1/4	283,407	1/4	298,607
1/2	159,910	1/2	175,598	1/2	191,215	1/2	206,832	1/2	221,353	1/2	237,693	1/2	253,107	1/2	268,527	1/2	283,730	1/2	298,930
3/4	160,237	3/4	175,923	3/4	191,540	3/4	207,157	3/4	221,676	3/4	238,016	3/4	253,430	3/4	268,850	3/4	284,053	3/4	299,253
5	160,565	5	176,248	5	191,866	5	207,483	5	221,999	5	238,339	5	253,753	5	269,173	5	284,376	5	299,576
1/4	160,892	1/4	176,574	1/4	192,191	1/4	207,808	1/4	222,322	1/4	238,662	1/4	254,076	1/4	269,496	1/4	284,700	1/4	299,899
1/2	161,219	1/2	176,899	1/2	192,516	1/2	208,134	1/2	222,645	1/2	238,985	1/2	254,399	1/2	269,819	1/2	285,023	1/2	300,222
3/4	161,546	3/4	177,224	3/4	192,842	3/4	208,459	3/4	222,968	3/4	239,308	3/4	254,722	3/4	270,142	3/4	285,346	3/4	300,545
6	161,873	6	177,550	6	193,167	6	208,784	6	223,291	6	239,631	6	255,045	6	270,465	6	285,669	6	300,868
1/4	162,201	1/4	177,875	1/4	193,492	1/4	209,110	1/4	223,614	1/4	240,000	1/4	255,368	1/4	270,788	1/4	285,992	1/4	301,191
1/2	162,528	1/2	178,201	1/2	193,818	1/2	209,435	1/2	223,937	1/2	240,323	1/2	255,691	1/2	271,111	1/2	286,315	1/2	301,514
3/4	162,855	3/4	178,526	3/4	194,143	3/4	209,760	3/4	224,260	3/4	240,646	3/4	256,014	3/4	271,434	3/4	286,638	3/4	301,837
7	163,182	7	178,851	7	194,468	7	210,086	7	224,583	7	240,969	7	256,337	7	271,757	7	286,961	7	302,160
1/4	163,509	1/4	179,177	1/4	194,794	1/4	210,408	1/4	224,907	1/4	241,292	1/4	256,660	1/4	272,080	1/4	287,284	1/4	302,483
1/2	163,836	1/2	179,502	1/2	195,119	1/2	210,730	1/2	225,230	1/2	241,615	1/2	256,983	1/2	272,403	1/2	287,607	1/2	302,806
3/4	164,164	3/4	179,827	3/4	195,445	3/4	211,052	3/4	225,553	3/4	241,938	3/4	257,306	3/4	272,726	3/4	287,930	3/4	303,129
8	164,491	8	180,153	8	195,770	8	211,375	8	225,876	8	242,261	8	257,629	8	273,049	8	288,253	8	303,452
1/4	164,818	1/4	180,478	1/4	196,095	1/4	211,698	1/4	226,199	1/4	242,584	1/4	257,952	1/4	273,372	1/4	288,576	1/4	303,775
1/2	165,145	1/2	180,803	1/2	196,421	1/2	212,018	1/2	226,522	1/2	242,907	1/2	258,275	1/2	273,695	1/2	288,899	1/2	304,098
3/4	165,472	3/4	181,129	3/4	196,746	3/4	212,340	3/4	226,845	3/4	243,230	3/4	258,598	3/4	274,018	3/4	289,222	3/4	304,421
9	165,800	9	181,454	9	197,071	9	212,661	9	227,168	9	243,553	9	258,921	9	274,341	9	289,545	9	304,744
1/4	166,127	1/4	181,780	1/4	197,397	1/4	212,983	1/4	227,491	1/4	243,876	1/4	259,244	1/4	274,664	1/4	289,868	1/4	305,067
1/2	166,454	1/2	182,105	1/2	197,722	1/2	213,304	1/2	227,814	1/2	244,199	1/2	259,567	1/2	274,987	1/2	290,191	1/2	305,390
3/4	166,781	3/4	182,430	3/4	198,047	3/4	213,625	3/4	228,137	3/4	244,522	3/4	259,890	3/4	275,310	3/4	290,514	3/4	305,713
10	167,108	10	182,756	10	198,373	10	213,946	10	228,460	10	244,845	10	260,213	10	275,633	10	290,837	10	306,036
1/4	167,435	1/4	183,081	1/4	198,698	1/4	214,267	1/4	228,783	1/4	245,168	1/4	260,536	1/4	275,956	1/4	291,160	1/4	306,359
1/2	167,763	1/2	183,406	1/2	199,023	1/2	214,587	1/2	229,106	1/2	245,491	1/2	260,859	1/2	276,279	1/2	291,483	1/2	306,682
3/4	168,090	3/4	183,732	3/4	199,349	3/4	214,908	3/4	229,429	3/4	245,814	3/4	261,182	3/4	276,602	3/4	291,806	3/4	307,005
11	168,417	11	184,057	11	199,674	11	215,228	11	229,752	11	246,137	11	261,505	11	276,925	11	292,129	11	307,328
1/4	168,744	1/4	184,382	1/4	200,000	1/4	215,547	1/4	230,075	1/4	246,460	1/4	261,828	1/4	277,248	1/4	292,452	1/4	307,651
1/2	169,071	1/2	184,708	1/2	200,325	1/2	215,866	1/2	230,398	1/2	246,783	1/2	262,151	1/2	277,571	1/2	292,775	1/2	307,974
3/4	169,399	3/4	185,033	3/4	200,650	3/4	216,186	3/4	230,721	3/4	247,106	3/4	262,474	3/4	277,894	3/4	293,098	3/4	308,297

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/05/2013 CL  
 CALCULATED: 03/05/2013 CL  
 PRINTED: 03/05/2013 SW  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 03/2013

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



# BARGE "CBC 315"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N
0	593	0	16,005	0	30,156	0	45,127	0	60,199	0	75,351	0	90,502	0	105,653	0	120,804	0	135,954
1/4	780	1/4	15,321	1/4	30,472	1/4	45,436	1/4	60,515	1/4	75,666	1/4	90,818	1/4	105,969	1/4	121,120	1/4	136,270
1/2	968	1/2	15,637	1/2	30,788	1/2	45,745	1/2	60,831	1/2	75,982	1/2	91,133	1/2	106,284	1/2	121,436	1/2	136,585
3/4	1,155	3/4	15,952	3/4	31,103	3/4	46,054	3/4	61,146	3/4	76,298	3/4	91,449	3/4	106,600	3/4	121,751	3/4	136,901
1	1,342	1	16,268	1	31,419	1	46,364	1	61,452	1	76,613	1	91,764	1	106,916	1	122,067	1	137,217
1/4	1,609	1/4	16,584	1/4	31,735	1/4	46,673	1/4	61,778	1/4	76,929	1/4	92,080	1/4	107,231	1/4	122,383	1/4	137,532
1/2	1,875	1/2	16,899	1/2	32,050	1/2	46,982	1/2	62,093	1/2	77,244	1/2	92,396	1/2	107,547	1/2	122,688	1/2	137,848
3/4	2,141	3/4	17,215	3/4	32,366	3/4	47,292	3/4	62,409	3/4	77,560	3/4	92,711	3/4	107,863	3/4	123,014	3/4	138,163
2	2,407	2	17,531	2	32,681	2	47,601	2	62,724	2	77,876	2	93,027	2	108,178	2	123,330	2	138,479
1/4	2,717	1/4	17,846	1/4	32,997	1/4	47,911	1/4	63,040	1/4	78,191	1/4	93,343	1/4	108,494	1/4	123,645	1/4	138,794
1/2	3,026	1/2	18,162	1/2	33,313	1/2	48,220	1/2	63,356	1/2	78,507	1/2	93,658	1/2	108,810	1/2	123,961	1/2	139,110
3/4	3,336	3/4	18,478	3/4	33,628	3/4	48,529	3/4	63,671	3/4	78,823	3/4	93,974	3/4	109,125	3/4	124,277	3/4	139,426
3	3,646	3	18,793	3	33,944	3	48,839	3	63,987	3	79,138	3	94,290	3	109,441	3	124,592	3	139,741
1/4	3,960	1/4	19,109	1/4	34,260	1/4	49,154	1/4	64,303	1/4	79,454	1/4	94,605	1/4	109,757	1/4	124,908	1/4	140,057
1/2	4,275	1/2	19,424	1/2	34,575	1/2	49,469	1/2	64,618	1/2	79,770	1/2	94,921	1/2	110,072	1/2	125,224	1/2	140,372
3/4	4,590	3/4	19,740	3/4	34,891	3/4	49,784	3/4	64,934	3/4	80,085	3/4	95,237	3/4	110,388	3/4	125,539	3/4	140,688
4	4,905	4	20,056	4	35,207	4	50,098	4	65,250	4	80,401	4	95,552	4	110,704	4	125,855	4	141,003
1/4	5,221	1/4	20,371	1/4	35,522	1/4	50,414	1/4	65,565	1/4	80,717	1/4	95,868	1/4	111,019	1/4	126,171	1/4	141,319
1/2	5,536	1/2	20,687	1/2	35,838	1/2	50,730	1/2	65,881	1/2	81,032	1/2	96,184	1/2	111,335	1/2	126,486	1/2	141,635
3/4	5,852	3/4	21,003	3/4	36,154	3/4	51,045	3/4	66,197	3/4	81,348	3/4	96,499	3/4	111,651	3/4	126,802	3/4	141,950
5	6,167	5	21,318	5	36,469	5	51,361	5	66,512	5	81,664	5	96,815	5	111,966	5	127,118	5	142,266
1/4	6,483	1/4	21,634	1/4	36,779	1/4	51,677	1/4	66,828	1/4	81,979	1/4	97,131	1/4	112,282	1/4	127,433	1/4	142,581
1/2	6,799	1/2	21,950	1/2	37,089	1/2	51,992	1/2	67,144	1/2	82,295	1/2	97,446	1/2	112,598	1/2	127,749	1/2	142,897
3/4	7,114	3/4	22,265	3/4	37,399	3/4	52,308	3/4	67,459	3/4	82,611	3/4	97,762	3/4	112,913	3/4	128,064	3/4	143,212
6	7,430	6	22,581	6	37,709	6	52,624	6	67,775	6	82,926	6	98,078	6	113,229	6	128,380	6	143,528
1/4	7,746	1/4	22,897	1/4	38,018	1/4	52,939	1/4	68,091	1/4	83,242	1/4	98,393	1/4	113,544	1/4	128,696	1/4	143,844
1/2	8,061	1/2	23,212	1/2	38,327	1/2	53,255	1/2	68,406	1/2	83,558	1/2	98,709	1/2	113,860	1/2	129,011	1/2	144,159
3/4	8,377	3/4	23,528	3/4	38,636	3/4	53,571	3/4	68,722	3/4	83,873	3/4	99,024	3/4	114,176	3/4	129,327	3/4	144,475
7	8,693	7	23,843	7	38,945	7	53,886	7	69,038	7	84,189	7	99,340	7	114,491	7	129,643	7	144,790
1/4	9,008	1/4	24,159	1/4	39,254	1/4	54,202	1/4	69,353	1/4	84,504	1/4	99,656	1/4	114,807	1/4	129,958	1/4	145,106
1/2	9,324	1/2	24,475	1/2	39,563	1/2	54,518	1/2	69,669	1/2	84,820	1/2	99,971	1/2	115,123	1/2	130,274	1/2	145,421
3/4	9,640	3/4	24,790	3/4	39,873	3/4	54,833	3/4	69,984	3/4	85,136	3/4	100,287	3/4	115,438	3/4	130,589	3/4	145,737
8	9,955	8	25,106	8	40,182	8	55,149	8	70,300	8	85,451	8	100,603	8	115,754	8	130,905	8	146,053
1/4	10,271	1/4	25,422	1/4	40,491	1/4	55,464	1/4	70,616	1/4	85,767	1/4	100,918	1/4	116,070	1/4	131,221	1/4	146,368
1/2	10,586	1/2	25,737	1/2	40,800	1/2	55,780	1/2	70,931	1/2	86,083	1/2	101,234	1/2	116,385	1/2	131,536	1/2	146,684
3/4	10,902	3/4	26,053	3/4	41,109	3/4	56,096	3/4	71,247	3/4	86,398	3/4	101,550	3/4	116,701	3/4	131,852	3/4	146,999
9	11,218	9	26,369	9	41,418	9	56,411	9	71,563	9	86,714	9	101,866	9	117,017	9	132,167	9	147,315
1/4	11,533	1/4	26,684	1/4	41,727	1/4	56,727	1/4	71,878	1/4	87,030	1/4	102,181	1/4	117,332	1/4	132,483	1/4	147,631
1/2	11,849	1/2	27,000	1/2	42,036	1/2	57,043	1/2	72,194	1/2	87,345	1/2	102,497	1/2	117,648	1/2	132,799	1/2	147,946
3/4	12,165	3/4	27,316	3/4	42,345	3/4	57,358	3/4	72,510	3/4	87,661	3/4	102,812	3/4	117,964	3/4	133,114	3/4	148,262
10	12,480	10	27,631	10	42,654	10	57,674	10	72,825	10	87,977	10	103,128	10	118,279	10	133,430	10	148,577
1/4	12,796	1/4	27,947	1/4	42,963	1/4	57,990	1/4	73,141	1/4	88,292	1/4	103,444	1/4	118,595	1/4	133,745	1/4	148,893
1/2	13,112	1/2	28,262	1/2	43,273	1/2	58,305	1/2	73,457	1/2	88,608	1/2	103,759	1/2	118,911	1/2	134,061	1/2	149,208
3/4	13,427	3/4	28,578	3/4	43,582	3/4	58,621	3/4	73,772	3/4	88,924	3/4	104,076	3/4	119,226	3/4	134,376	3/4	149,524
11	13,743	11	28,894	11	43,891	11	58,937	11	74,088	11	89,239	11	104,391	11	119,542	11	134,692	11	149,840
1/4	14,059	1/4	29,209	1/4	44,200	1/4	59,252	1/4	74,404	1/4	89,555	1/4	104,706	1/4	119,858	1/4	135,008	1/4	150,155
1/2	14,374	1/2	29,525	1/2	44,509	1/2	59,568	1/2	74,719	1/2	89,871	1/2	105,022	1/2	120,173	1/2	135,323	1/2	150,471
3/4	14,690	3/4	29,841	3/4	44,818	3/4	59,884	3/4	75,035	3/4	90,186	3/4	105,338	3/4	120,489	3/4	135,639	3/4	150,786

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 ONLY APPLIES TO EXTREME HEIGHT OF TANK.

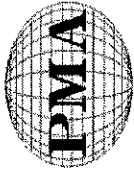
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "IMC" VALVE.

GAUGE POINT: (MIMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2082  
Pearland, Texas 77688

<http://www.pmacorp.net>



# BARGE "CBC 315"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 3/4"  
19 FT.

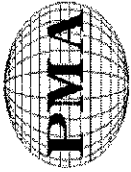
	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	151,102	166,249	181,325	196,385	211,358	0	0	0	0	0
1/4	151,417	166,565	181,639	196,699	211,660	1/4	1/4	1/4	1/4	1/4
1/2	151,733	166,881	181,952	197,012	211,962	1/2	1/2	1/2	1/2	1/2
3/4	152,049	167,196	182,266	197,326	212,264	3/4	3/4	3/4	3/4	3/4
1	152,364	167,512	182,580	197,640	212,566	1	1	1	1	1
1/4	152,680	167,827	182,894	197,954	212,830	1/4	1/4	1/4	1/4	1/4
1/2	152,995	168,143	183,207	198,267	213,093	1/2	1/2	1/2	1/2	1/2
3/4	153,311	168,458	183,521	198,581	213,356	3/4	3/4	3/4	3/4	3/4
2	153,626	168,774	183,835	198,895	213,619	2	2	2	2	2
1/4	153,942	169,088	184,148	199,209	213,831	1/4	1/4	1/4	1/4	1/4
1/2	154,258	169,402	184,462	199,522	214,043	1/2	1/2	1/2	1/2	1/2
3/4	154,573	169,716	184,776	199,836	214,254	3/4	3/4	3/4	3/4	3/4
3	154,889	170,030	185,090	200,150	214,466	3	3	3	3	3
1/4	155,204	170,344	185,404	200,464	214,626	1/4	1/4	1/4	1/4	1/4
1/2	155,520	170,657	185,717	200,777	214,784	1/2	1/2	1/2	1/2	1/2
3/4	155,835	170,971	186,031	201,091	214,942	3/4	3/4	3/4	3/4	3/4
4	156,151	171,285	186,345	201,405	215,100	4	4	4	4	4
1/4	156,467	171,599	186,659	201,719	215,258	1/4	1/4	1/4	1/4	1/4
1/2	156,782	171,912	186,972	202,032	215,416	1/2	1/2	1/2	1/2	1/2
3/4	157,098	172,226	187,286	202,346	215,574	3/4	3/4	3/4	3/4	3/4
5	157,413	172,540	187,600	202,660	215,732	5	5	5	5	5
1/4	157,729	172,854	187,914	202,974	215,890	1/4	1/4	1/4	1/4	1/4
1/2	158,044	173,167	188,227	203,287	216,048	1/2	1/2	1/2	1/2	1/2
3/4	158,360	173,481	188,541	203,601	216,206	3/4	3/4	3/4	3/4	3/4
6	158,676	173,795	188,855	203,915	216,364	6	6	6	6	6
1/4	158,991	174,109	189,169	204,229	216,522	1/4	1/4	1/4	1/4	1/4
1/2	159,307	174,422	189,482	204,542	216,680	1/2	1/2	1/2	1/2	1/2
3/4	159,622	174,736	189,796	204,856	216,838	3/4	3/4	3/4	3/4	3/4
7	159,938	175,050	190,110	205,170	217,000	7	7	7	7	7
1/4	160,253	175,364	190,424	205,484	217,158	1/4	1/4	1/4	1/4	1/4
1/2	160,569	175,677	190,737	205,797	217,316	1/2	1/2	1/2	1/2	1/2
3/4	160,885	175,991	191,051	206,102	217,474	3/4	3/4	3/4	3/4	3/4
8	161,200	176,305	191,365	206,413	217,632	8	8	8	8	8
1/4	161,516	176,619	191,679	206,723	217,790	1/4	1/4	1/4	1/4	1/4
1/2	161,831	176,932	191,992	207,033	217,948	1/2	1/2	1/2	1/2	1/2
3/4	162,147	177,246	192,306	207,343	218,106	3/4	3/4	3/4	3/4	3/4
9	162,463	177,560	192,620	207,653	218,264	9	9	9	9	9
1/4	162,778	177,874	192,934	207,963	218,422	1/4	1/4	1/4	1/4	1/4
1/2	163,094	178,187	193,247	208,272	218,580	1/2	1/2	1/2	1/2	1/2
3/4	163,409	178,501	193,561	208,582	218,738	3/4	3/4	3/4	3/4	3/4
10	163,725	178,815	193,875	208,891	218,896	10	10	10	10	10
1/4	164,040	179,129	194,189	209,200	219,054	1/4	1/4	1/4	1/4	1/4
1/2	164,356	179,442	194,502	209,509	219,212	1/2	1/2	1/2	1/2	1/2
3/4	164,672	179,756	194,816	209,818	219,370	3/4	3/4	3/4	3/4	3/4
11	164,987	180,070	195,130	210,127	219,528	11	11	11	11	11
1/4	165,303	180,384	195,444	210,435	219,686	1/4	1/4	1/4	1/4	1/4
1/2	165,618	180,697	195,757	210,742	219,844	1/2	1/2	1/2	1/2	1/2
3/4	165,934	181,011	196,071	211,050	219,999	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/05/2013 CL  
CALCULATED: 03/05/2013 CL  
PRINTED: 03/05/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2013

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



# BARGE "CBC 315"

# 2 STBD

## INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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
0	593	0	15,011	0	30,167	0	45,038	0	60,143	0	75,300	0	90,456	0	105,613	0	120,770	0	135,926
1/4	780	1/4	15,327	1/4	30,483	1/4	45,346	1/4	60,458	1/4	75,615	1/4	90,772	1/4	105,929	1/4	121,086	1/4	136,241
1/2	968	1/2	15,643	1/2	30,799	1/2	45,653	1/2	60,774	1/2	75,931	1/2	91,088	1/2	106,245	1/2	121,402	1/2	136,557
3/4	1,155	3/4	15,958	3/4	31,115	3/4	45,961	3/4	61,090	3/4	76,247	3/4	91,404	3/4	106,561	3/4	121,718	3/4	136,873
1	1,343	1	16,274	1	31,430	1	46,268	1	61,406	1	76,563	1	91,720	1	106,876	1	122,033	1	137,188
1 1/4	1,609	1 1/4	16,590	1 1/4	31,746	1 1/4	46,581	1 1/4	61,722	1 1/4	76,878	1 1/4	92,035	1 1/4	107,192	1 1/4	122,349	1 1/4	137,504
1 1/2	1,876	1 1/2	16,906	1 1/2	32,062	1 1/2	46,894	1 1/2	62,037	1 1/2	77,194	1 1/2	92,351	1 1/2	107,508	1 1/2	122,665	1 1/2	137,820
1 3/4	2,142	1 3/4	17,221	1 3/4	32,378	1 3/4	47,207	1 3/4	62,353	1 3/4	77,510	1 3/4	92,667	1 3/4	107,824	1 3/4	122,981	1 3/4	138,135
2	2,408	2	17,537	2	32,694	2	47,520	2	62,669	2	77,826	2	92,983	2	108,139	2	123,296	2	138,451
2 1/4	2,718	2 1/4	17,853	2 1/4	33,009	2 1/4	47,834	2 1/4	62,985	2 1/4	78,141	2 1/4	93,298	2 1/4	108,455	2 1/4	123,612	2 1/4	138,767
2 1/2	3,027	2 1/2	18,169	2 1/2	33,325	2 1/2	48,148	2 1/2	63,300	2 1/2	78,457	2 1/2	93,614	2 1/2	108,771	2 1/2	123,928	2 1/2	139,083
2 3/4	3,337	2 3/4	18,484	2 3/4	33,641	2 3/4	48,462	2 3/4	63,616	2 3/4	78,773	2 3/4	93,930	2 3/4	109,087	2 3/4	124,244	2 3/4	139,398
3	3,646	3	18,800	3	33,957	3	48,776	3	63,932	3	79,089	3	94,246	3	109,403	3	124,559	3	139,714
3 1/4	3,962	3 1/4	19,116	3 1/4	34,266	3 1/4	49,091	3 1/4	64,248	3 1/4	79,405	3 1/4	94,561	3 1/4	109,718	3 1/4	124,875	3 1/4	140,030
3 1/2	4,277	3 1/2	19,432	3 1/2	34,575	3 1/2	49,407	3 1/2	64,563	3 1/2	79,720	3 1/2	94,877	3 1/2	110,034	3 1/2	125,191	3 1/2	140,345
3 3/4	4,592	3 3/4	19,747	3 3/4	34,884	3 3/4	49,723	3 3/4	64,879	3 3/4	80,036	3 3/4	95,193	3 3/4	110,350	3 3/4	125,507	3 3/4	140,661
4	4,907	4	20,063	4	35,193	4	50,038	4	65,195	4	80,352	4	95,509	4	110,666	4	125,823	4	140,977
4 1/4	5,223	4 1/4	20,379	4 1/4	35,502	4 1/4	50,354	4 1/4	65,511	4 1/4	80,668	4 1/4	95,825	4 1/4	110,981	4 1/4	126,138	4 1/4	141,292
4 1/2	5,538	4 1/2	20,695	4 1/2	35,810	4 1/2	50,670	4 1/2	65,826	4 1/2	80,983	4 1/2	96,140	4 1/2	111,297	4 1/2	126,454	4 1/2	141,608
4 3/4	5,854	4 3/4	21,010	4 3/4	36,118	4 3/4	50,985	4 3/4	66,142	4 3/4	81,299	4 3/4	96,456	4 3/4	111,613	4 3/4	126,770	4 3/4	141,924
5	6,170	5	21,326	5	36,426	5	51,301	5	66,458	5	81,615	5	96,772	5	111,929	5	127,086	5	142,239
5 1/4	6,486	5 1/4	21,642	5 1/4	36,734	5 1/4	51,617	5 1/4	66,774	5 1/4	81,931	5 1/4	97,088	5 1/4	112,244	5 1/4	127,401	5 1/4	142,555
5 1/2	6,801	5 1/2	21,958	5 1/2	37,042	5 1/2	51,933	5 1/2	67,090	5 1/2	82,246	5 1/2	97,403	5 1/2	112,560	5 1/2	127,717	5 1/2	142,871
5 3/4	7,117	5 3/4	22,273	5 3/4	37,349	5 3/4	52,248	5 3/4	67,405	5 3/4	82,562	5 3/4	97,719	5 3/4	112,876	5 3/4	128,033	5 3/4	143,187
6	7,433	6	22,589	6	37,657	6	52,564	6	67,721	6	82,878	6	98,035	6	113,192	6	128,349	6	143,502
6 1/4	7,749	6 1/4	22,905	6 1/4	37,964	6 1/4	52,880	6 1/4	68,037	6 1/4	83,194	6 1/4	98,351	6 1/4	113,508	6 1/4	128,664	6 1/4	143,818
6 1/2	8,064	6 1/2	23,221	6 1/2	38,272	6 1/2	53,196	6 1/2	68,353	6 1/2	83,510	6 1/2	98,666	6 1/2	113,823	6 1/2	128,980	6 1/2	144,134
6 3/4	8,380	6 3/4	23,537	6 3/4	38,580	6 3/4	53,512	6 3/4	68,668	6 3/4	83,825	6 3/4	98,982	6 3/4	114,139	6 3/4	129,296	6 3/4	144,449
7	8,696	7	23,852	7	38,887	7	53,827	7	68,984	7	84,141	7	99,298	7	114,455	7	129,612	7	144,765
7 1/4	9,012	7 1/4	24,168	7 1/4	39,195	7 1/4	54,143	7 1/4	69,300	7 1/4	84,457	7 1/4	99,614	7 1/4	114,771	7 1/4	129,927	7 1/4	145,081
7 1/2	9,327	7 1/2	24,484	7 1/2	39,502	7 1/2	54,459	7 1/2	69,616	7 1/2	84,773	7 1/2	99,930	7 1/2	115,086	7 1/2	130,243	7 1/2	145,396
7 3/4	9,643	7 3/4	24,800	7 3/4	39,810	7 3/4	54,775	7 3/4	69,931	7 3/4	85,088	7 3/4	100,246	7 3/4	115,402	7 3/4	130,569	7 3/4	145,712
8	9,959	8	25,115	8	40,117	8	55,090	8	70,247	8	85,404	8	100,561	8	115,718	8	130,875	8	146,028
8 1/4	10,275	8 1/4	25,431	8 1/4	40,425	8 1/4	55,406	8 1/4	70,563	8 1/4	85,720	8 1/4	100,877	8 1/4	116,034	8 1/4	131,190	8 1/4	146,343
8 1/2	10,590	8 1/2	25,747	8 1/2	40,732	8 1/2	55,722	8 1/2	70,879	8 1/2	86,036	8 1/2	101,193	8 1/2	116,349	8 1/2	131,506	8 1/2	146,659
8 3/4	10,906	8 3/4	26,063	8 3/4	41,040	8 3/4	56,038	8 3/4	71,195	8 3/4	86,351	8 3/4	101,508	8 3/4	116,665	8 3/4	131,822	8 3/4	146,975
9	11,222	9	26,378	9	41,347	9	56,353	9	71,510	9	86,667	9	101,824	9	116,981	9	132,137	9	147,290
9 1/4	11,538	9 1/4	26,694	9 1/4	41,655	9 1/4	56,669	9 1/4	71,826	9 1/4	86,983	9 1/4	102,140	9 1/4	117,297	9 1/4	132,453	9 1/4	147,606
9 1/2	11,853	9 1/2	27,010	9 1/2	41,963	9 1/2	56,985	9 1/2	72,142	9 1/2	87,299	9 1/2	102,456	9 1/2	117,613	9 1/2	132,769	9 1/2	147,922
9 3/4	12,169	9 3/4	27,326	9 3/4	42,270	9 3/4	57,301	9 3/4	72,458	9 3/4	87,615	9 3/4	102,771	9 3/4	117,928	9 3/4	133,084	9 3/4	148,238
10	12,485	10	27,641	10	42,578	10	57,617	10	72,773	10	87,930	10	103,087	10	118,244	10	133,400	10	148,553
10 1/4	12,801	10 1/4	27,957	10 1/4	42,885	10 1/4	57,932	10 1/4	73,089	10 1/4	88,246	10 1/4	103,403	10 1/4	118,560	10 1/4	133,716	10 1/4	148,869
10 1/2	13,116	10 1/2	28,273	10 1/2	43,193	10 1/2	58,248	10 1/2	73,405	10 1/2	88,562	10 1/2	103,719	10 1/2	118,876	10 1/2	134,031	10 1/2	149,185
10 3/4	13,432	10 3/4	28,589	10 3/4	43,500	10 3/4	58,564	10 3/4	73,721	10 3/4	88,878	10 3/4	104,036	10 3/4	119,191	10 3/4	134,347	10 3/4	149,500
11	13,748	11	28,904	11	43,808	11	58,880	11	74,036	11	89,193	11	104,350	11	119,507	11	134,663	11	149,816
11 1/4	14,064	11 1/4	29,220	11 1/4	44,115	11 1/4	59,195	11 1/4	74,352	11 1/4	89,509	11 1/4	104,666	11 1/4	119,823	11 1/4	134,979	11 1/4	150,132
11 1/2	14,379	11 1/2	29,536	11 1/2	44,423	11 1/2	59,511	11 1/2	74,668	11 1/2	89,825	11 1/2	104,982	11 1/2	120,139	11 1/2	135,294	11 1/2	150,447
11 3/4	14,695	11 3/4	29,852	11 3/4	44,730	11 3/4	59,827	11 3/4	74,984	11 3/4	90,141	11 3/4	105,298	11 3/4	120,454	11 3/4	135,610	11 3/4	150,763

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

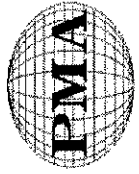
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-08" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "CBC 315"

# 2 STBD

# INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	151,079	0	166,232	0	181,313	0	196,379	0	211,357	0	226,259	0	241,097	0	255,881	0	270,621	0	285,327
1/4	161,394	1/4	166,548	1/4	181,627	1/4	196,693	1/4	211,659	1/4	226,541	1/4	241,359	1/4	256,137	1/4	270,875	1/4	285,571
1/2	161,710	1/2	166,863	1/2	181,941	1/2	197,006	1/2	211,962	1/2	226,812	1/2	241,570	1/2	256,320	1/2	271,030	1/2	285,727
3/4	162,026	3/4	167,179	3/4	182,255	3/4	197,320	3/4	212,264	3/4	227,056	3/4	241,756	3/4	256,448	3/4	271,142	3/4	285,854
1	162,342	1	167,495	1	182,566	1	197,634	1	212,566	1	227,252	1	242,042	1	256,664	1	271,258	1	285,970
1/4	162,657	1/4	167,810	1/4	182,882	1/4	197,948	1/4	212,829	1/4	227,519	1/4	242,303	1/4	256,820	1/4	271,374	1/4	286,086
1/2	162,973	1/2	168,126	1/2	183,196	1/2	198,262	1/2	213,093	1/2	227,785	1/2	242,576	1/2	257,092	1/2	271,490	1/2	286,202
3/4	163,289	3/4	168,442	3/4	183,510	3/4	198,576	3/4	213,356	3/4	228,056	3/4	242,850	3/4	257,368	3/4	271,606	3/4	286,318
1	163,604	1	168,757	1	183,824	1	198,890	1	213,619	1	228,330	1	243,124	1	257,640	1	271,722	1	286,434
1/4	163,920	1/4	169,072	1/4	184,138	1/4	199,203	1/4	213,831	1/4	228,603	1/4	243,397	1/4	257,913	1/4	271,838	1/4	286,550
1/2	164,236	1/2	169,386	1/2	184,452	1/2	199,517	1/2	214,043	1/2	228,876	1/2	243,670	1/2	258,186	1/2	271,954	1/2	286,666
3/4	164,551	3/4	169,700	3/4	184,766	3/4	199,831	3/4	214,255	3/4	229,149	3/4	243,943	3/4	258,459	3/4	272,070	3/4	286,782
1	164,867	1	170,014	1	185,079	1	200,145	1	214,467	1	229,422	1	244,216	1	258,732	1	272,186	1	286,898
1/4	165,183	1/4	170,328	1/4	185,393	1/4	200,459	1/4	214,626	1/4	229,695	1/4	244,489	1/4	259,005	1/4	272,302	1/4	287,014
1/2	165,498	1/2	170,642	1/2	185,707	1/2	200,773	1/2	214,785	1/2	229,968	1/2	244,762	1/2	259,278	1/2	272,418	1/2	287,130
3/4	165,814	3/4	170,955	3/4	186,021	3/4	201,087	3/4	214,944	3/4	230,241	3/4	245,035	3/4	259,551	3/4	272,534	3/4	287,246
1	166,130	1	171,269	1	186,335	1	201,401	1	215,103	1	230,514	1	245,308	1	259,824	1	272,650	1	287,362
1/4	166,446	1/4	171,583	1/4	186,649	1/4	201,714	1/4	215,262	1/4	230,787	1/4	245,581	1/4	260,097	1/4	272,766	1/4	287,478
1/2	166,761	1/2	171,897	1/2	186,963	1/2	202,028	1/2	215,421	1/2	231,060	1/2	245,854	1/2	260,370	1/2	272,882	1/2	287,594
3/4	167,077	3/4	172,211	3/4	187,277	3/4	202,342	3/4	215,580	3/4	231,333	3/4	246,127	3/4	260,643	3/4	273,000	3/4	287,710
1	167,393	1	172,525	1	187,590	1	202,656	1	215,739	1	231,606	1	246,400	1	260,916	1	273,116	1	287,826
1/4	167,708	1/4	172,839	1/4	187,904	1/4	202,970	1/4	215,898	1/4	231,879	1/4	246,673	1/4	261,189	1/4	273,232	1/4	287,942
1/2	168,024	1/2	173,153	1/2	188,218	1/2	203,284	1/2	216,057	1/2	232,152	1/2	246,946	1/2	261,462	1/2	273,348	1/2	288,058
3/4	168,340	3/4	173,466	3/4	188,532	3/4	203,598	3/4	216,216	3/4	232,425	3/4	247,219	3/4	261,735	3/4	273,464	3/4	288,174
1	168,655	1	173,780	1	188,846	1	203,911	1	216,375	1	232,698	1	247,492	1	262,008	1	273,580	1	288,290
1/4	168,971	1/4	174,094	1/4	189,160	1/4	204,225	1/4	216,534	1/4	232,971	1/4	247,765	1/4	262,281	1/4	273,696	1/4	288,406
1/2	169,287	1/2	174,408	1/2	189,474	1/2	204,539	1/2	216,693	1/2	233,244	1/2	248,038	1/2	262,554	1/2	273,812	1/2	288,522
3/4	169,602	3/4	174,722	3/4	189,787	3/4	204,853	3/4	216,852	3/4	233,517	3/4	248,311	3/4	262,827	3/4	273,928	3/4	288,638
1	169,918	1	175,036	1	190,101	1	205,167	1	217,011	1	233,790	1	248,584	1	263,100	1	274,044	1	288,754
1/4	170,234	1/4	175,350	1/4	190,415	1/4	205,478	1/4	217,170	1/4	234,063	1/4	248,857	1/4	263,373	1/4	274,160	1/4	288,870
1/2	170,550	1/2	175,663	1/2	190,729	1/2	205,788	1/2	217,329	1/2	234,336	1/2	249,130	1/2	263,646	1/2	274,276	1/2	288,986
3/4	170,865	3/4	175,977	3/4	191,043	3/4	206,099	3/4	217,488	3/4	234,609	3/4	249,403	3/4	263,919	3/4	274,392	3/4	289,102
1	171,181	1	176,291	1	191,357	1	206,410	1	217,647	1	234,882	1	249,676	1	264,192	1	274,508	1	289,218
1/4	171,497	1/4	176,605	1/4	191,671	1/4	206,720	1/4	217,806	1/4	235,155	1/4	249,949	1/4	264,465	1/4	274,624	1/4	289,334
1/2	171,812	1/2	176,919	1/2	191,985	1/2	207,030	1/2	217,965	1/2	235,428	1/2	250,222	1/2	264,738	1/2	274,740	1/2	289,450
3/4	172,128	3/4	177,233	3/4	192,298	3/4	207,341	3/4	218,124	3/4	235,701	3/4	250,495	3/4	265,011	3/4	274,856	3/4	289,566
1	172,444	1	177,547	1	192,612	1	207,651	1	218,283	1	235,974	1	250,768	1	265,284	1	274,972	1	289,682
1/4	172,759	1/4	177,861	1/4	192,926	1/4	207,960	1/4	218,442	1/4	236,247	1/4	251,041	1/4	265,557	1/4	275,088	1/4	289,798
1/2	173,075	1/2	178,174	1/2	193,240	1/2	208,270	1/2	218,601	1/2	236,520	1/2	251,314	1/2	265,830	1/2	275,204	1/2	289,914
3/4	173,391	3/4	178,488	3/4	193,554	3/4	208,580	3/4	218,760	3/4	236,793	3/4	251,587	3/4	266,103	3/4	275,320	3/4	290,030
1	173,706	1	178,802	1	193,868	1	208,890	1	218,919	1	237,066	1	251,860	1	266,376	1	275,436	1	290,146
1/4	174,022	1/4	179,116	1/4	194,182	1/4	209,199	1/4	219,078	1/4	237,339	1/4	252,133	1/4	266,649	1/4	275,552	1/4	290,262
1/2	174,338	1/2	179,430	1/2	194,495	1/2	209,508	1/2	219,237	1/2	237,612	1/2	252,406	1/2	266,922	1/2	275,668	1/2	290,378
3/4	174,653	3/4	179,744	3/4	194,809	3/4	209,817	3/4	219,396	3/4	237,885	3/4	252,679	3/4	267,195	3/4	275,784	3/4	290,494
1	174,969	1	180,058	1	195,123	1	210,126	1	219,555	1	238,158	1	252,952	1	267,468	1	275,900	1	290,610
1/4	175,285	1/4	180,371	1/4	195,437	1/4	210,434	1/4	219,714	1/4	238,431	1/4	253,225	1/4	267,741	1/4	276,016	1/4	290,726
1/2	175,601	1/2	180,685	1/2	195,751	1/2	210,741	1/2	219,873	1/2	238,704	1/2	253,498	1/2	268,014	1/2	276,132	1/2	290,842
3/4	175,916	3/4	180,999	3/4	196,065	3/4	211,049	3/4	220,031	3/4	238,977	3/4	253,771	3/4	268,287	3/4	276,248	3/4	290,958

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/05/2013 CL  
 CALCULATED: 03/05/2013 CL  
 PRINTED: 03/05/2013 SW  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 03/2013

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



# BARGE "CBC 315"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	611	0	15,479	0	31,101	0	46,449	0	61,871	0	77,459	0	93,045	0	108,581	0	124,154	0	139,730
1/4	804	1/4	15,805	1/4	31,426	1/4	46,765	1/4	62,196	1/4	77,784	1/4	93,369	1/4	108,905	1/4	124,479	1/4	140,055
1/2	998	1/2	16,130	1/2	31,750	1/2	47,081	1/2	62,521	1/2	78,109	1/2	93,692	1/2	109,229	1/2	124,803	1/2	140,379
3/4	1,191	3/4	16,456	3/4	32,075	3/4	47,397	3/4	62,845	3/4	78,434	3/4	94,016	3/4	109,554	3/4	125,128	3/4	140,704
1	1,384	1	16,781	1	32,399	1	47,714	1	63,170	1	78,758	1	94,340	1	109,878	1	125,452	1	141,028
1/4	1,559	1/4	17,107	1/4	32,724	1/4	48,030	1/4	63,495	1/4	79,083	1/4	94,663	1/4	110,202	1/4	125,777	1/4	141,353
1/2	1,734	1/2	17,433	1/2	33,049	1/2	48,347	1/2	63,820	1/2	79,408	1/2	94,987	1/2	110,526	1/2	126,101	1/2	141,677
3/4	1,908	3/4	17,758	3/4	33,373	3/4	48,663	3/4	64,145	3/4	79,733	3/4	95,311	3/4	110,851	3/4	126,426	3/4	142,002
1	2,083	1	18,084	1	33,698	1	48,980	1	64,469	1	80,058	1	95,634	1	111,175	1	126,750	1	142,326
1/4	2,258	1/4	18,410	1/4	34,023	1/4	49,296	1/4	64,794	1/4	80,382	1/4	95,958	1/4	111,499	1/4	127,075	1/4	142,650
1/2	2,433	1/2	18,735	1/2	34,347	1/2	49,613	1/2	65,119	1/2	80,707	1/2	96,282	1/2	111,823	1/2	127,399	1/2	142,975
3/4	2,608	3/4	19,061	3/4	34,672	3/4	49,930	3/4	65,444	3/4	81,032	3/4	96,605	3/4	112,148	3/4	127,724	3/4	143,299
1	2,783	1	19,386	1	34,996	1	50,246	1	65,768	1	81,357	1	96,929	1	112,472	1	128,048	1	143,624
1/4	2,958	1/4	19,712	1/4	35,321	1/4	50,563	1/4	66,093	1/4	81,681	1/4	97,253	1/4	112,796	1/4	128,373	1/4	143,948
1/2	3,133	1/2	20,038	1/2	35,646	1/2	50,880	1/2	66,418	1/2	82,006	1/2	97,576	1/2	113,121	1/2	128,697	1/2	144,273
3/4	3,308	3/4	20,363	3/4	35,970	3/4	51,197	3/4	66,742	3/4	82,331	3/4	97,900	3/4	113,445	3/4	129,022	3/4	144,597
1	3,483	1	20,689	1	36,295	1	51,514	1	67,067	1	82,656	1	98,224	1	113,770	1	129,346	1	144,922
1/4	3,658	1/4	21,015	1/4	36,619	1/4	51,830	1/4	67,392	1/4	82,981	1/4	98,547	1/4	114,094	1/4	129,671	1/4	145,246
1/2	3,833	1/2	21,340	1/2	36,944	1/2	52,147	1/2	67,716	1/2	83,305	1/2	98,871	1/2	114,419	1/2	129,995	1/2	145,569
3/4	4,008	3/4	21,666	3/4	37,269	3/4	52,464	3/4	68,041	3/4	83,630	3/4	99,195	3/4	114,743	3/4	130,320	3/4	145,893
1	4,183	1	21,991	1	37,593	1	52,781	1	68,366	1	83,955	1	99,518	1	115,068	1	130,644	1	146,217
1/4	4,358	1/4	22,317	1/4	37,910	1/4	53,105	1/4	68,690	1/4	84,280	1/4	99,842	1/4	115,392	1/4	130,969	1/4	146,541
1/2	4,533	1/2	22,643	1/2	38,227	1/2	53,429	1/2	69,015	1/2	84,604	1/2	100,166	1/2	115,717	1/2	131,293	1/2	146,864
3/4	4,708	3/4	22,968	3/4	38,544	3/4	53,753	3/4	69,340	3/4	84,929	3/4	100,489	3/4	116,041	3/4	131,618	3/4	147,188
1	4,883	1	23,294	1	38,861	1	54,076	1	69,665	1	85,254	1	100,813	1	116,366	1	131,942	1	147,511
1/4	5,058	1/4	23,619	1/4	39,177	1/4	54,401	1/4	69,989	1/4	85,579	1/4	101,137	1/4	116,690	1/4	132,267	1/4	147,835
1/2	5,233	1/2	23,945	1/2	39,493	1/2	54,726	1/2	70,314	1/2	85,904	1/2	101,460	1/2	117,015	1/2	132,591	1/2	148,158
3/4	5,408	3/4	24,271	3/4	39,809	3/4	55,051	3/4	70,639	3/4	86,228	3/4	101,784	3/4	117,339	3/4	132,916	3/4	148,482
1	5,583	1	24,596	1	40,125	1	55,375	1	70,964	1	86,553	1	102,108	1	117,664	1	133,240	1	148,805
1/4	5,758	1/4	24,922	1/4	40,441	1/4	55,700	1/4	71,289	1/4	86,878	1/4	102,431	1/4	117,988	1/4	133,565	1/4	149,129
1/2	5,933	1/2	25,248	1/2	40,758	1/2	56,025	1/2	71,613	1/2	87,203	1/2	102,755	1/2	118,313	1/2	133,889	1/2	149,452
3/4	6,108	3/4	25,573	3/4	41,074	3/4	56,350	3/4	71,938	3/4	87,527	3/4	103,079	3/4	118,637	3/4	134,214	3/4	149,775
1	6,283	1	25,899	1	41,390	1	56,675	1	72,263	1	87,852	1	103,402	1	118,962	1	134,538	1	150,099
1/4	6,458	1/4	26,224	1/4	41,706	1/4	57,000	1/4	72,588	1/4	88,177	1/4	103,726	1/4	119,286	1/4	134,863	1/4	150,422
1/2	6,633	1/2	26,550	1/2	42,022	1/2	57,324	1/2	72,912	1/2	88,502	1/2	104,050	1/2	119,611	1/2	135,187	1/2	150,745
3/4	6,808	3/4	26,876	3/4	42,338	3/4	57,649	3/4	73,237	3/4	88,827	3/4	104,373	3/4	119,935	3/4	135,512	3/4	151,068
1	6,983	1	27,201	1	42,655	1	57,974	1	73,562	1	89,151	1	104,697	1	120,260	1	135,836	1	151,391
1/4	7,158	1/4	27,527	1/4	42,971	1/4	58,298	1/4	73,887	1/4	89,476	1/4	105,021	1/4	120,585	1/4	136,161	1/4	151,713
1/2	7,333	1/2	27,852	1/2	43,287	1/2	58,623	1/2	74,212	1/2	89,801	1/2	105,344	1/2	120,909	1/2	136,485	1/2	152,034
3/4	7,508	3/4	28,178	3/4	43,603	3/4	58,948	3/4	74,536	3/4	90,126	3/4	105,667	3/4	121,234	3/4	136,810	3/4	152,356
1	7,683	1	28,504	1	43,919	1	59,273	1	74,861	1	90,451	1	105,991	1	121,558	1	137,134	1	152,678
1/4	7,858	1/4	28,828	1/4	44,236	1/4	59,598	1/4	75,186	1/4	90,775	1/4	106,314	1/4	121,883	1/4	137,459	1/4	152,999
1/2	8,033	1/2	29,153	1/2	44,552	1/2	59,922	1/2	75,511	1/2	91,100	1/2	106,638	1/2	122,207	1/2	137,783	1/2	153,303
3/4	8,208	3/4	29,478	3/4	44,868	3/4	60,247	3/4	75,835	3/4	91,425	3/4	106,961	3/4	122,532	3/4	138,108	3/4	153,615
1	8,383	1	29,803	1	45,184	1	60,572	1	76,160	1	91,750	1	107,284	1	122,856	1	138,432	1	153,928
1/4	8,558	1/4	30,127	1/4	45,500	1/4	60,897	1/4	76,485	1/4	92,073	1/4	107,608	1/4	123,181	1/4	138,757	1/4	154,228
1/2	8,733	1/2	30,452	1/2	45,816	1/2	61,222	1/2	76,810	1/2	92,397	1/2	107,933	1/2	123,505	1/2	139,081	1/2	154,528
3/4	8,908	3/4	30,776	3/4	46,133	3/4	61,546	3/4	77,135	3/4	92,721	3/4	108,257	3/4	123,830	3/4	139,406	3/4	154,828

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

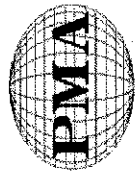
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

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 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77568  
<http://www.pmacorp.net>



# BARGE "CBC 315"

## 3 PORT INNAGE TABLE

GAUGE HEIGHT 16'-04 1/4"

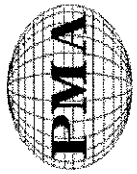
CAPACITIES GIVEN IN WHOLE GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	155,128	0	167,443	0	179,393	0	191,331	0	203,202	0	215,017	0	226,776	0	238,479	0	250,126	0	261,717
1/4	155,416	1/4	167,693	1/4	179,641	1/4	191,580	1/4	203,441	1/4	215,256	1/4	227,015	1/4	238,718	1/4	250,365	1/4	261,956
1/2	155,703	1/2	167,943	1/2	179,890	1/2	191,828	1/2	203,681	1/2	215,499	1/2	227,258	1/2	238,961	1/2	250,608	1/2	262,194
3/4	155,991	3/4	168,193	3/4	180,139	3/4	192,077	3/4	203,920	3/4	215,732	3/4	227,491	3/4	239,194	3/4	250,841	3/4	262,432
1	156,278	1	168,443	1	180,388	1	192,326	1	204,160	1	216,000	1	227,736	1	239,518	1	251,249	1	262,670
1/4	156,563	1/4	168,693	1/4	180,636	1/4	192,575	1/4	204,369	1/4	216,200	1/4	227,936	1/4	239,718	1/4	251,488	1/4	262,908
1/2	156,828	1/2	168,943	1/2	180,885	1/2	192,823	1/2	204,577	1/2	216,400	1/2	228,144	1/2	240,018	1/2	251,726	1/2	263,146
3/4	157,103	3/4	169,193	3/4	181,134	3/4	193,072	3/4	204,786	3/4	216,600	3/4	228,352	3/4	240,226	3/4	251,944	3/4	263,384
2	157,378	2	169,443	2	181,382	2	193,321	2	204,995	2	216,800	2	228,560	2	240,434	2	252,162	2	263,622
1/4	157,641	1/4	169,692	1/4	181,631	1/4	193,569	1/4	205,163	1/4	217,000	1/4	228,768	1/4	240,642	1/4	252,380	1/4	263,860
1/2	157,903	1/2	169,941	1/2	181,880	1/2	193,818	1/2	205,331	1/2	217,200	1/2	228,976	1/2	240,850	1/2	252,598	1/2	264,098
3/4	158,166	3/4	170,190	3/4	182,129	3/4	194,067	3/4	205,499	3/4	217,400	3/4	229,184	3/4	241,058	3/4	252,816	3/4	264,336
3	158,428	3	170,439	3	182,377	3	194,316	3	205,667	3	217,600	3	229,392	3	241,266	3	253,034	3	264,574
1/4	158,681	1/4	170,688	1/4	182,626	1/4	194,564	1/4	205,793	1/4	217,800	1/4	229,600	1/4	241,474	1/4	253,252	1/4	264,812
1/2	158,934	1/2	170,936	1/2	182,875	1/2	194,813	1/2	205,919	1/2	218,000	1/2	229,808	1/2	241,682	1/2	253,470	1/2	265,050
3/4	159,186	3/4	171,185	3/4	183,123	3/4	195,062	3/4	206,045	3/4	218,200	3/4	230,016	3/4	241,890	3/4	253,688	3/4	265,288
4	159,439	4	171,434	4	183,372	4	195,311	4	206,171	4	218,400	4	230,224	4	242,098	4	253,906	4	265,526
1/4	159,689	1/4	171,683	1/4	183,621	1/4	195,559	1/4	206,297	1/4	218,600	1/4	230,432	1/4	242,306	1/4	254,124	1/4	265,764
1/2	159,940	1/2	171,931	1/2	183,870	1/2	195,808	1/2	206,423	1/2	218,800	1/2	230,640	1/2	242,514	1/2	254,342	1/2	265,992
3/4	160,190	3/4	172,180	3/4	184,118	3/4	196,057	3/4	206,549	3/4	219,000	3/4	230,848	3/4	242,722	3/4	254,560	3/4	266,230
5	160,440	5	172,429	5	184,367	5	196,305	5	206,675	5	219,200	5	231,056	5	242,930	5	254,778	5	266,468
1/4	160,690	1/4	172,677	1/4	184,616	1/4	196,554	1/4	206,801	1/4	219,400	1/4	231,264	1/4	243,138	1/4	254,996	1/4	266,706
1/2	160,940	1/2	172,926	1/2	184,864	1/2	196,803	1/2	206,927	1/2	219,600	1/2	231,472	1/2	243,346	1/2	255,214	1/2	266,944
3/4	161,191	3/4	173,175	3/4	185,113	3/4	197,052	3/4	207,053	3/4	219,800	3/4	231,680	3/4	243,554	3/4	255,432	3/4	267,182
6	161,441	6	173,424	6	185,362	6	197,300	6	207,179	6	220,000	6	231,888	6	243,762	6	255,650	6	267,420
1/4	161,691	1/4	173,672	1/4	185,611	1/4	197,549	1/4	207,305	1/4	220,200	1/4	232,096	1/4	243,970	1/4	255,868	1/4	267,658
1/2	161,941	1/2	173,921	1/2	185,859	1/2	197,798	1/2	207,431	1/2	220,400	1/2	232,304	1/2	244,178	1/2	256,086	1/2	267,896
3/4	162,191	3/4	174,170	3/4	186,108	3/4	198,046	3/4	207,557	3/4	220,600	3/4	232,512	3/4	244,386	3/4	256,304	3/4	268,134
7	162,441	7	174,418	7	186,357	7	198,295	7	207,683	7	220,800	7	232,720	7	244,594	7	256,522	7	268,372
1/4	162,691	1/4	174,667	1/4	186,605	1/4	198,541	1/4	207,809	1/4	221,000	1/4	232,928	1/4	244,802	1/4	256,740	1/4	268,610
1/2	162,941	1/2	174,916	1/2	186,854	1/2	198,788	1/2	207,935	1/2	221,200	1/2	233,136	1/2	245,010	1/2	256,958	1/2	268,848
3/4	163,191	3/4	175,165	3/4	187,103	3/4	199,034	3/4	208,061	3/4	221,400	3/4	233,344	3/4	245,218	3/4	257,176	3/4	269,086
8	163,441	8	175,413	8	187,352	8	199,281	8	208,187	8	221,600	8	233,552	8	245,426	8	257,394	8	269,324
1/4	163,691	1/4	175,662	1/4	187,600	1/4	199,526	1/4	208,313	1/4	221,800	1/4	233,760	1/4	245,634	1/4	257,612	1/4	269,562
1/2	163,942	1/2	175,911	1/2	187,849	1/2	199,772	1/2	208,439	1/2	222,000	1/2	233,968	1/2	245,842	1/2	257,830	1/2	269,800
3/4	164,192	3/4	176,159	3/4	188,098	3/4	200,018	3/4	208,565	3/4	222,200	3/4	234,176	3/4	246,050	3/4	258,048	3/4	270,038
9	164,442	9	176,408	9	188,346	9	200,264	9	208,691	9	222,400	9	234,384	9	246,258	9	258,266	9	270,276
1/4	164,692	1/4	176,657	1/4	188,595	1/4	200,509	1/4	208,817	1/4	222,600	1/4	234,592	1/4	246,466	1/4	258,484	1/4	270,514
1/2	164,942	1/2	176,906	1/2	188,844	1/2	200,755	1/2	208,943	1/2	222,800	1/2	234,800	1/2	246,674	1/2	258,702	1/2	270,752
3/4	165,192	3/4	177,154	3/4	189,093	3/4	201,000	3/4	209,069	3/4	223,000	3/4	235,008	3/4	246,882	3/4	258,920	3/4	270,990
10	165,442	10	177,403	10	189,341	10	201,246	10	209,195	10	223,200	10	235,216	10	247,090	10	259,138	10	271,228
1/4	165,692	1/4	177,652	1/4	189,590	1/4	201,491	1/4	209,321	1/4	223,400	1/4	235,424	1/4	247,298	1/4	259,356	1/4	271,466
1/2	165,942	1/2	177,900	1/2	189,839	1/2	201,736	1/2	209,447	1/2	223,600	1/2	235,632	1/2	247,506	1/2	259,574	1/2	271,704
3/4	166,192	3/4	178,149	3/4	190,087	3/4	201,981	3/4	209,573	3/4	223,800	3/4	235,840	3/4	247,714	3/4	259,792	3/4	271,942
11	166,442	11	178,398	11	190,336	11	202,226	11	209,700	11	224,000	11	236,048	11	247,922	11	259,990	11	272,180
1/4	166,692	1/4	178,647	1/4	190,585	1/4	202,470	1/4	209,826	1/4	224,200	1/4	236,256	1/4	248,130	1/4	260,208	1/4	272,418
1/2	166,942	1/2	178,894	1/2	190,834	1/2	202,714	1/2	209,952	1/2	224,400	1/2	236,464	1/2	248,338	1/2	260,426	1/2	272,656
3/4	167,193	3/4	179,144	3/4	191,082	3/4	202,958	3/4	210,079	3/4	224,600	3/4	236,672	3/4	248,546	3/4	260,644	3/4	272,894

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/05/2013 CL  
 CALCULATED: 03/05/2013 CL  
 PRINTED: 03/05/2013 SW  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 03/2013

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



# BARGE "CBC 315"

# 3 STBD INNAGE TABLE

GAUGE HEIGHT 16'-04"

CAPACITIES GIVEN IN WHOLE GALLONS		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0 FT.	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	610	0	15,462	0	31,067	0	46,205	0	61,478	0	77,050	0	92,618	0	108,137	0	123,694	0	139,253
1/4	803	1/4	15,787	1/4	31,392	1/4	46,514	1/4	61,803	1/4	77,374	1/4	92,941	1/4	108,461	1/4	124,018	1/4	139,577
1/2	996	1/2	16,113	1/2	31,716	1/2	46,823	1/2	62,127	1/2	77,698	1/2	93,265	1/2	108,785	1/2	124,342	1/2	139,901
3/4	1,190	3/4	16,438	3/4	32,040	3/4	47,132	3/4	62,452	3/4	78,023	3/4	93,588	3/4	109,109	3/4	124,666	3/4	140,225
1	1,383	1	16,763	1	32,364	1	47,441	1	62,776	1	78,347	1	93,911	1	109,433	1	124,990	1	140,549
1/4	1,677	1/4	17,089	1/4	32,689	1/4	47,760	1/4	63,100	1/4	78,672	1/4	94,235	1/4	109,757	1/4	125,314	1/4	140,873
1/2	1,931	1/2	17,414	1/2	33,013	1/2	48,060	1/2	63,425	1/2	78,996	1/2	94,558	1/2	110,081	1/2	125,639	1/2	141,197
3/4	2,206	3/4	17,739	3/4	33,337	3/4	48,369	3/4	63,749	3/4	79,321	3/4	94,881	3/4	110,405	3/4	125,963	3/4	141,522
2	2,480	2	18,064	2	33,661	2	48,678	2	64,074	2	79,645	2	95,205	2	110,728	2	126,287	2	141,846
1/4	2,799	1/4	18,390	1/4	33,986	1/4	48,988	1/4	64,398	1/4	79,969	1/4	95,528	1/4	111,052	1/4	126,611	1/4	142,170
1/2	3,118	1/2	18,715	1/2	34,310	1/2	49,298	1/2	64,723	1/2	80,294	1/2	95,861	1/2	111,376	1/2	126,935	1/2	142,494
3/4	3,437	3/4	19,040	3/4	34,634	3/4	49,608	3/4	65,047	3/4	80,618	3/4	96,175	3/4	111,700	3/4	127,259	3/4	142,818
3	3,756	3	19,365	3	34,958	3	49,918	3	65,371	3	80,943	3	96,498	3	112,024	3	127,584	3	143,142
1/4	4,080	1/4	19,691	1/4	35,283	1/4	50,229	1/4	65,696	1/4	81,267	1/4	96,821	1/4	112,348	1/4	127,908	1/4	143,466
1/2	4,405	1/2	20,016	1/2	35,607	1/2	50,539	1/2	66,020	1/2	81,592	1/2	97,145	1/2	112,672	1/2	128,232	1/2	143,791
3/4	4,730	3/4	20,341	3/4	35,931	3/4	50,849	3/4	66,344	3/4	81,916	3/4	97,468	3/4	112,996	3/4	128,566	3/4	144,115
4	5,054	4	20,666	4	36,255	4	51,160	4	66,669	4	82,240	4	97,791	4	113,321	4	128,880	4	144,439
1/4	5,379	1/4	20,992	1/4	36,579	1/4	51,470	1/4	66,993	1/4	82,565	1/4	98,116	1/4	113,645	1/4	129,204	1/4	144,762
1/2	5,705	1/2	21,317	1/2	36,902	1/2	51,780	1/2	67,317	1/2	82,889	1/2	98,438	1/2	113,969	1/2	129,529	1/2	145,086
3/4	6,030	3/4	21,642	3/4	37,226	3/4	52,091	3/4	67,641	3/4	83,214	3/4	98,761	3/4	114,293	3/4	129,853	3/4	145,409
5	6,355	5	21,967	5	37,550	5	52,401	5	67,966	5	83,538	5	99,085	5	114,617	5	130,177	5	145,732
1/4	6,680	1/4	22,293	1/4	37,860	1/4	52,724	1/4	68,290	1/4	83,863	1/4	99,408	1/4	114,941	1/4	130,501	1/4	146,056
1/2	7,005	1/2	22,618	1/2	38,170	1/2	53,047	1/2	68,615	1/2	84,187	1/2	99,731	1/2	115,265	1/2	130,825	1/2	146,379
3/4	7,331	3/4	22,943	3/4	38,481	3/4	53,369	3/4	68,939	3/4	84,511	3/4	100,055	3/4	115,590	3/4	131,149	3/4	146,702
6	7,656	6	23,269	6	38,791	6	53,692	6	69,263	6	84,836	6	100,378	6	115,914	6	131,473	6	147,026
1/4	7,981	1/4	23,594	1/4	39,100	1/4	54,016	1/4	69,588	1/4	85,160	1/4	100,701	1/4	116,238	1/4	131,798	1/4	147,349
1/2	8,306	1/2	23,919	1/2	39,409	1/2	54,341	1/2	69,912	1/2	85,485	1/2	101,026	1/2	116,562	1/2	132,122	1/2	147,672
3/4	8,632	3/4	24,244	3/4	39,718	3/4	54,665	3/4	70,237	3/4	85,809	3/4	101,348	3/4	116,886	3/4	132,446	3/4	147,995
7	8,957	7	24,570	7	40,027	7	54,990	7	70,561	7	86,134	7	101,671	7	117,210	7	132,770	7	148,318
1/4	9,282	1/4	24,895	1/4	40,336	1/4	55,314	1/4	70,885	1/4	86,458	1/4	101,995	1/4	117,535	1/4	133,094	1/4	148,641
1/2	9,607	1/2	25,220	1/2	40,645	1/2	55,639	1/2	71,210	1/2	86,782	1/2	102,318	1/2	117,859	1/2	133,418	1/2	148,964
3/4	9,933	3/4	25,545	3/4	40,954	3/4	55,963	3/4	71,534	3/4	87,107	3/4	102,641	3/4	118,183	3/4	133,742	3/4	149,287
8	10,258	8	25,871	8	41,262	8	56,287	8	71,859	8	87,431	8	102,964	8	118,507	8	134,067	8	149,610
1/4	10,583	1/4	26,196	1/4	41,571	1/4	56,612	1/4	72,183	1/4	87,756	1/4	103,288	1/4	118,831	1/4	134,391	1/4	149,933
1/2	10,909	1/2	26,521	1/2	41,880	1/2	56,936	1/2	72,508	1/2	88,080	1/2	103,611	1/2	119,155	1/2	134,715	1/2	150,255
3/4	11,234	3/4	26,846	3/4	42,189	3/4	57,261	3/4	72,832	3/4	88,404	3/4	103,934	3/4	119,480	3/4	135,039	3/4	150,578
9	11,559	9	27,172	9	42,498	9	57,585	9	73,156	9	88,729	9	104,258	9	119,804	9	135,363	9	150,901
1/4	11,884	1/4	27,497	1/4	42,807	1/4	57,910	1/4	73,481	1/4	89,053	1/4	104,581	1/4	120,128	1/4	135,687	1/4	151,222
1/2	12,210	1/2	27,822	1/2	43,116	1/2	58,234	1/2	73,805	1/2	89,378	1/2	104,904	1/2	120,452	1/2	136,011	1/2	151,544
3/4	12,535	3/4	28,147	3/4	43,425	3/4	58,558	3/4	74,130	3/4	89,702	3/4	105,227	3/4	120,776	3/4	136,336	3/4	151,865
10	12,860	10	28,473	10	43,734	10	58,883	10	74,454	10	90,027	10	105,560	10	121,100	10	136,660	10	152,186
1/4	13,185	1/4	28,797	1/4	44,043	1/4	59,207	1/4	74,779	1/4	90,351	1/4	105,873	1/4	121,425	1/4	136,984	1/4	152,498
1/2	13,511	1/2	29,122	1/2	44,352	1/2	59,532	1/2	75,103	1/2	90,675	1/2	106,196	1/2	121,749	1/2	137,308	1/2	152,811
3/4	13,836	3/4	29,446	3/4	44,661	3/4	59,856	3/4	75,427	3/4	91,000	3/4	106,519	3/4	122,073	3/4	137,632	3/4	153,123
11	14,161	11	29,770	11	44,969	11	60,181	11	75,752	11	91,324	11	106,842	11	122,397	11	137,956	11	153,435
1/4	14,486	1/4	30,095	1/4	45,278	1/4	60,505	1/4	76,076	1/4	91,648	1/4	107,166	1/4	122,721	1/4	138,280	1/4	153,735
1/2	14,812	1/2	30,419	1/2	45,587	1/2	60,829	1/2	76,401	1/2	91,971	1/2	107,490	1/2	123,045	1/2	138,604	1/2	154,034
3/4	15,137	3/4	30,743	3/4	45,896	3/4	61,154	3/4	76,725	3/4	92,295	3/4	107,813	3/4	123,369	3/4	138,929	3/4	154,334

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

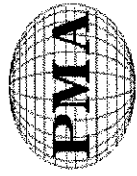
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE ONLY APPLIES TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "CBC 315"

## 3 STBD INNAGE TABLE

GAUGE HEIGHT 16'-04"

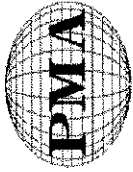
CAPACITIES GIVEN IN WHOLE GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	154,634	0	166,935	0	178,872	0	190,798	0	202,655	0	220,447	0	238,184	0	255,866	0	273,493	0	291,066
1/4	154,921	1/4	167,185	1/4	179,121	1/4	191,046	1/4	202,896	1/4	220,614	1/4	238,281	1/4	255,894	1/4	273,452	1/4	290,956
1/2	155,209	1/2	167,435	1/2	179,369	1/2	191,294	1/2	203,134	1/2	220,782	1/2	238,410	1/2	256,002	1/2	273,524	1/2	291,010
3/4	155,496	3/4	167,685	3/4	179,618	3/4	191,543	3/4	203,373	3/4	221,014	3/4	238,641	3/4	256,271	3/4	273,736	3/4	291,268
1	155,783	1	167,934	1	179,866	1	191,791	1	203,613	1	221,265	1	238,912	1	256,523	1	274,001	1	291,505
1 1/4	156,068	1 1/4	168,184	1 1/4	180,114	1 1/4	192,040	1 1/4	203,821	1 1/4	221,516	1 1/4	239,158	1 1/4	256,777	1 1/4	274,252	1 1/4	291,741
1 1/2	156,352	1 1/2	168,434	1 1/2	180,363	1 1/2	192,288	1 1/2	204,030	1 1/2	221,767	1 1/2	239,399	1 1/2	257,032	1 1/2	274,501	1 1/2	292,000
3/4	156,607	3/4	168,684	3/4	180,611	3/4	192,537	3/4	204,238	3/4	222,019	3/4	239,651	3/4	257,283	3/4	274,752	3/4	292,248
2	156,892	2	168,934	2	180,860	2	192,785	2	204,447	2	222,272	2	239,904	2	257,536	2	275,003	2	292,496
1 1/4	157,144	1 1/4	169,182	1 1/4	181,108	1 1/4	193,034	1 1/4	204,614	1 1/4	222,526	1 1/4	240,156	1 1/4	257,790	1 1/4	275,254	1 1/4	292,744
1 1/2	157,406	1 1/2	169,431	1 1/2	181,357	1 1/2	193,282	1 1/2	204,782	1 1/2	222,780	1 1/2	240,408	1 1/2	258,044	1 1/2	275,505	1 1/2	293,000
3/4	157,668	3/4	169,680	3/4	181,605	3/4	193,530	3/4	204,950	3/4	223,034	3/4	240,661	3/4	258,298	3/4	275,756	3/4	293,248
3	157,930	3	169,928	3	181,854	3	193,779	3	205,118	3	223,288	3	240,912	3	258,552	3	276,007	3	293,496
1 1/4	158,183	1 1/4	170,177	1 1/4	182,102	1 1/4	194,027	1 1/4	205,244	1 1/4	223,542	1 1/4	241,163	1 1/4	258,806	1 1/4	276,258	1 1/4	293,744
1 1/2	158,436	1 1/2	170,425	1 1/2	182,350	1 1/2	194,276	1 1/2	205,370	1 1/2	223,796	1 1/2	241,414	1 1/2	259,060	1 1/2	276,509	1 1/2	294,000
3/4	158,688	3/4	170,673	3/4	182,599	3/4	194,524	3/4	205,500	3/4	224,050	3/4	241,665	3/4	259,314	3/4	276,760	3/4	294,248
4	158,940	4	170,922	4	182,847	4	194,773	4	205,630	4	224,304	4	241,916	4	259,568	4	277,011	4	294,496
1 1/4	159,190	1 1/4	171,170	1 1/4	183,096	1 1/4	195,021	1 1/4	205,760	1 1/4	224,558	1 1/4	242,167	1 1/4	259,822	1 1/4	277,262	1 1/4	294,744
1 1/2	159,440	1 1/2	171,419	1 1/2	183,344	1 1/2	195,270	1 1/2	205,890	1 1/2	224,812	1 1/2	242,418	1 1/2	260,076	1 1/2	277,513	1 1/2	295,000
3/4	159,690	3/4	171,667	3/4	183,593	3/4	195,518	3/4	206,020	3/4	225,066	3/4	242,669	3/4	260,330	3/4	277,764	3/4	295,248
5	159,940	5	171,916	5	183,841	5	195,766	5	206,150	5	225,320	5	242,920	5	260,584	5	278,015	5	295,496
1 1/4	160,190	1 1/4	172,164	1 1/4	184,090	1 1/4	196,015	1 1/4	206,280	1 1/4	225,574	1 1/4	243,171	1 1/4	260,838	1 1/4	278,266	1 1/4	295,744
1 1/2	160,440	1 1/2	172,413	1 1/2	184,338	1 1/2	196,263	1 1/2	206,410	1 1/2	225,828	1 1/2	243,422	1 1/2	261,092	1 1/2	278,517	1 1/2	296,000
3/4	160,690	3/4	172,661	3/4	184,586	3/4	196,512	3/4	206,540	3/4	226,082	3/4	243,673	3/4	261,346	3/4	278,768	3/4	296,248
6	160,940	6	172,909	6	184,835	6	196,760	6	206,670	6	226,336	6	243,924	6	261,600	6	279,019	6	296,496
1 1/4	161,189	1 1/4	173,158	1 1/4	185,083	1 1/4	197,009	1 1/4	206,800	1 1/4	226,590	1 1/4	244,175	1 1/4	261,854	1 1/4	279,270	1 1/4	296,744
1 1/2	161,439	1 1/2	173,406	1 1/2	185,332	1 1/2	197,257	1 1/2	206,930	1 1/2	226,844	1 1/2	244,426	1 1/2	262,108	1 1/2	279,521	1 1/2	297,000
3/4	161,689	3/4	173,655	3/4	185,580	3/4	197,506	3/4	207,060	3/4	227,098	3/4	244,677	3/4	262,362	3/4	279,772	3/4	297,248
7	161,939	7	173,903	7	185,829	7	197,754	7	207,190	7	227,352	7	244,928	7	262,616	7	280,023	7	297,496
1 1/4	162,189	1 1/4	174,152	1 1/4	186,077	1 1/4	198,000	1 1/4	207,320	1 1/4	227,606	1 1/4	245,179	1 1/4	262,870	1 1/4	280,274	1 1/4	297,744
1 1/2	162,439	1 1/2	174,400	1 1/2	186,326	1 1/2	198,246	1 1/2	207,450	1 1/2	227,860	1 1/2	245,430	1 1/2	263,124	1 1/2	280,525	1 1/2	298,000
3/4	162,688	3/4	174,649	3/4	186,574	3/4	198,492	3/4	207,580	3/4	228,114	3/4	245,681	3/4	263,378	3/4	280,776	3/4	298,248
8	162,938	8	174,897	8	186,822	8	198,738	8	207,710	8	228,368	8	245,932	8	263,632	8	281,027	8	298,496
1 1/4	163,188	1 1/4	175,145	1 1/4	187,071	1 1/4	198,984	1 1/4	207,840	1 1/4	228,622	1 1/4	246,183	1 1/4	263,886	1 1/4	281,278	1 1/4	298,744
1 1/2	163,438	1 1/2	175,394	1 1/2	187,319	1 1/2	199,230	1 1/2	207,970	1 1/2	228,876	1 1/2	246,434	1 1/2	264,140	1 1/2	281,529	1 1/2	299,000
3/4	163,688	3/4	175,642	3/4	187,568	3/4	199,475	3/4	208,100	3/4	229,130	3/4	246,685	3/4	264,394	3/4	281,780	3/4	299,248
9	163,937	9	175,891	9	187,816	9	199,721	9	208,230	9	229,384	9	246,936	9	264,648	9	282,031	9	299,496
1 1/4	164,187	1 1/4	176,139	1 1/4	188,065	1 1/4	199,966	1 1/4	208,360	1 1/4	229,638	1 1/4	247,187	1 1/4	264,902	1 1/4	282,282	1 1/4	299,744
1 1/2	164,437	1 1/2	176,388	1 1/2	188,313	1 1/2	200,211	1 1/2	208,490	1 1/2	229,892	1 1/2	247,438	1 1/2	265,156	1 1/2	282,533	1 1/2	300,000
3/4	164,687	3/4	176,637	3/4	188,562	3/4	200,456	3/4	208,620	3/4	230,146	3/4	247,689	3/4	265,410	3/4	282,784	3/4	300,248
10	164,937	10	176,885	10	188,810	10	200,702	10	208,750	10	230,400	10	247,940	10	265,664	10	283,035	10	300,496
1 1/4	165,186	1 1/4	177,133	1 1/4	189,058	1 1/4	200,946	1 1/4	208,880	1 1/4	230,654	1 1/4	248,191	1 1/4	265,918	1 1/4	283,286	1 1/4	300,744
1 1/2	165,436	1 1/2	177,382	1 1/2	189,307	1 1/2	201,191	1 1/2	209,010	1 1/2	230,908	1 1/2	248,442	1 1/2	266,172	1 1/2	283,537	1 1/2	301,000
3/4	165,686	3/4	177,630	3/4	189,555	3/4	201,436	3/4	209,140	3/4	231,162	3/4	248,693	3/4	266,426	3/4	283,788	3/4	301,248
11	165,936	11	177,878	11	189,804	11	201,680	11	209,270	11	231,416	11	248,944	11	266,680	11	284,039	11	301,496
1 1/4	166,186	1 1/4	178,127	1 1/4	190,052	1 1/4	201,924	1 1/4	209,400	1 1/4	231,670	1 1/4	249,195	1 1/4	266,934	1 1/4	284,290	1 1/4	301,744
1 1/2	166,436	1 1/2	178,375	1 1/2	190,301	1 1/2	202,168	1 1/2	209,530	1 1/2	231,924	1 1/2	249,446	1 1/2	267,188	1 1/2	284,541	1 1/2	302,000
3/4	166,685	3/4	178,624	3/4	190,549	3/4	202,412	3/4	209,660	3/4	232,178	3/4	249,697	3/4	267,442	3/4	284,792	3/4	302,248

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/05/2013 CL  
 CALCULATED: 03/05/2013 CL  
 PRINTED: 03/05/2013 SW  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 03/2013

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



# BARGE "CBC 315"

# FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	100	103	257	260	412	415	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	106	109	263	267	417	420	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	109	112	267	270	420	423	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	112	115	270	273	423	426	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	115	119	273	277	426	429	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	122	125	280	284	431	434	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	122	125	284	287	434	437	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	125	128	287	290	437	440	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	128	131	290	294	440	442	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	131	134	294	297	442	445	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	134	137	297	300	445	447	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	137	140	300	304	447	450	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	140	144	304	307	450	452	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	144	147	307	311	452	455	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	147	150	311	314	455	457	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	150	153	314	317	457	460	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	153	156	317	320	460	462	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	156	160	320	324	462	465	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	160	163	324	327	465	467	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	163	166	327	330	467	469	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	166	169	330	334	469	471	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	169	173	334	337	471	474	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	173	176	337	340	474	476	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	176	179	340	343	476	478	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	179	183	343	347	478	480	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	183	186	347	350	480	482	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	186	189	350	353	482	484	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	189	192	353	356	484	486	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	192	196	356	360	486	488	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	196	199	360	363	488	489	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	199	202	363	366	489	491	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	202	206	366	369	491	493	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	206	209	369	372	493	494	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	209	213	372	375	494	496	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	213	216	375	379	496	497	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	216	219	379	382	497	499	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	219	223	382	385	499	500	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	223	226	385	388	500	502	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	226	229	388	391	502	502	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	229	233	391	397	502	502	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	233	240	397	400	502	502	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	240	243	400	403	502	502	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	243	246	403	406	502	502	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	246	250	406	409	502	502	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	250	253	409	409	502	502	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	253		409		502		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4			409		502		3/4	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: 03/05/2013 CL  
CALCULATED: 03/05/2013 CL  
PRINTED: 03/05/2013 SW  
CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2013

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 8" DIAMETER HATCH.

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