



BARGE "CBC 1346"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-3/4	- 02-3/4	03-1/4	- 03-1/4
2 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
3 CENTER	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 161'-09"

April 20, 2012

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

<http://www.pmacorp.net>



BARGE "CBC 1346"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	8,091	0	18,880	0	29,518	0	40,185	0	50,946	0	61,706	0	72,444	0	83,183	0	93,947
1/4	58	1/4	8,316	1/4	19,104	1/4	29,736	1/4	40,409	1/4	51,170	1/4	61,931	1/4	72,667	1/4	83,407	1/4	94,171
1/2	77	1/2	8,541	1/2	19,329	1/2	29,954	1/2	40,634	1/2	51,394	1/2	62,155	1/2	72,889	1/2	83,632	1/2	94,395
3/4	96	3/4	8,765	3/4	19,554	3/4	30,173	3/4	40,858	3/4	51,618	3/4	62,379	3/4	73,112	3/4	83,856	3/4	94,620
1	114	1	8,990	1	19,779	1	30,391	1	41,082	1	51,843	1	62,603	1	73,335	1	84,080	1	94,844
1/4	170	1/4	9,215	1/4	20,003	1/4	30,609	1/4	41,306	1/4	52,067	1/4	62,827	1/4	73,558	1/4	84,304	1/4	95,068
1/2	227	1/2	9,440	1/2	20,228	1/2	30,828	1/2	41,530	1/2	52,291	1/2	63,051	1/2	73,781	1/2	84,529	1/2	95,292
3/4	283	3/4	9,664	3/4	20,453	3/4	31,046	3/4	41,754	3/4	52,515	3/4	63,276	3/4	74,004	3/4	84,753	3/4	95,517
2	339	2	9,889	2	20,678	2	31,265	2	41,979	2	52,739	2	63,500	2	74,226	2	84,977	2	95,741
1/4	433	1/4	10,114	1/4	20,902	1/4	31,483	1/4	42,203	1/4	52,963	1/4	63,724	1/4	74,449	1/4	85,201	1/4	95,965
1/2	526	1/2	10,339	1/2	21,127	1/2	31,701	1/2	42,427	1/2	53,188	1/2	63,948	1/2	74,672	1/2	85,425	1/2	96,189
3/4	620	3/4	10,563	3/4	21,352	3/4	31,920	3/4	42,651	3/4	53,412	3/4	64,172	3/4	74,895	3/4	85,650	3/4	96,414
3	714	3	10,788	3	21,577	3	32,138	3	42,875	3	53,636	3	64,397	3	75,118	3	85,874	3	96,638
1/4	845	1/4	11,013	1/4	21,801	1/4	32,356	1/4	43,100	1/4	53,860	1/4	64,621	1/4	75,341	1/4	86,098	1/4	96,862
1/2	976	1/2	11,238	1/2	22,026	1/2	32,575	1/2	43,324	1/2	54,084	1/2	64,845	1/2	75,563	1/2	86,322	1/2	97,086
3/4	1,107	3/4	11,462	3/4	22,251	3/4	32,793	3/4	43,548	3/4	54,309	3/4	65,069	3/4	75,786	3/4	86,547	3/4	97,311
4	1,238	4	11,687	4	22,476	4	33,012	4	43,772	4	54,533	4	65,293	4	76,009	4	86,771	4	97,535
1/4	1,406	1/4	11,912	1/4	22,700	1/4	33,236	1/4	43,996	1/4	54,757	1/4	65,517	1/4	76,233	1/4	86,995	1/4	97,759
1/2	1,575	1/2	12,137	1/2	22,925	1/2	33,460	1/2	44,220	1/2	54,981	1/2	65,742	1/2	76,456	1/2	87,219	1/2	97,983
3/4	1,743	3/4	12,361	3/4	23,150	3/4	33,684	3/4	44,445	3/4	55,205	3/4	65,966	3/4	76,680	3/4	87,444	3/4	98,208
5	1,912	5	12,586	5	23,375	5	33,908	5	44,669	5	55,429	5	66,190	5	76,903	5	87,668	5	98,432
1/4	2,117	1/4	12,811	1/4	23,599	1/4	34,132	1/4	44,893	1/4	55,654	1/4	66,414	1/4	77,127	1/4	87,892	1/4	98,656
1/2	2,323	1/2	13,036	1/2	23,824	1/2	34,357	1/2	45,117	1/2	55,878	1/2	66,638	1/2	77,352	1/2	88,116	1/2	98,880
3/4	2,528	3/4	13,261	3/4	24,049	3/4	34,581	3/4	45,341	3/4	56,102	3/4	66,863	3/4	77,576	3/4	88,341	3/4	99,105
6	2,734	6	13,485	6	24,274	6	34,805	6	45,566	6	56,326	6	67,087	6	77,800	6	88,565	6	99,329
1/4	2,954	1/4	13,710	1/4	24,493	1/4	35,029	1/4	45,790	1/4	56,550	1/4	67,310	1/4	78,025	1/4	88,789	1/4	99,553
1/2	3,174	1/2	13,935	1/2	24,711	1/2	35,253	1/2	46,014	1/2	56,774	1/2	67,534	1/2	78,249	1/2	89,013	1/2	99,777
3/4	3,395	3/4	14,160	3/4	24,930	3/4	35,477	3/4	46,238	3/4	56,999	3/4	67,757	3/4	78,473	3/4	89,238	3/4	100,002
7	3,615	7	14,384	7	25,149	7	35,702	7	46,462	7	57,223	7	67,981	7	78,697	7	89,462	7	100,226
1/4	3,837	1/4	14,609	1/4	25,368	1/4	35,926	1/4	46,686	1/4	57,447	1/4	68,205	1/4	78,922	1/4	89,686	1/4	100,450
1/2	4,059	1/2	14,834	1/2	25,586	1/2	36,150	1/2	46,911	1/2	57,671	1/2	68,428	1/2	79,146	1/2	89,910	1/2	100,674
3/4	4,282	3/4	15,059	3/4	25,805	3/4	36,374	3/4	47,135	3/4	57,895	3/4	68,652	3/4	79,370	3/4	90,135	3/4	100,899
8	4,504	8	15,283	8	26,024	8	36,598	8	47,359	8	58,120	8	68,875	8	79,595	8	90,359	8	101,123
1/4	4,727	1/4	15,508	1/4	26,242	1/4	36,823	1/4	47,583	1/4	58,344	1/4	69,099	1/4	79,819	1/4	90,583	1/4	101,347
1/2	4,951	1/2	15,733	1/2	26,461	1/2	37,047	1/2	47,807	1/2	58,568	1/2	69,323	1/2	80,043	1/2	90,807	1/2	101,571
3/4	5,174	3/4	15,958	3/4	26,679	3/4	37,271	3/4	48,032	3/4	58,792	3/4	69,546	3/4	80,267	3/4	91,032	3/4	101,796
9	5,397	9	16,182	9	26,897	9	37,495	9	48,256	9	59,016	9	69,770	9	80,492	9	91,256	9	102,020
1/4	5,621	1/4	16,407	1/4	27,116	1/4	37,719	1/4	48,480	1/4	59,240	1/4	69,993	1/4	80,716	1/4	91,480	1/4	102,244
1/2	5,846	1/2	16,632	1/2	27,334	1/2	37,943	1/2	48,704	1/2	59,465	1/2	70,215	1/2	80,940	1/2	91,704	1/2	102,468
3/4	6,070	3/4	16,857	3/4	27,552	3/4	38,168	3/4	48,928	3/4	59,689	3/4	70,438	3/4	81,164	3/4	91,929	3/4	102,693
10	6,294	10	17,081	10	27,771	10	38,392	10	49,152	10	59,913	10	70,661	10	81,389	10	92,153	10	102,917
1/4	6,518	1/4	17,306	1/4	27,989	1/4	38,616	1/4	49,377	1/4	60,137	1/4	70,884	1/4	81,613	1/4	92,377	1/4	103,141
1/2	6,743	1/2	17,531	1/2	28,207	1/2	38,840	1/2	49,601	1/2	60,361	1/2	71,107	1/2	81,837	1/2	92,601	1/2	103,365
3/4	6,968	3/4	17,756	3/4	28,426	3/4	39,064	3/4	49,825	3/4	60,586	3/4	71,330	3/4	82,062	3/4	92,826	3/4	103,590
11	7,192	11	17,980	11	28,644	11	39,289	11	50,049	11	60,810	11	71,552	11	82,286	11	93,050	11	103,814
1/4	7,417	1/4	18,205	1/4	28,863	1/4	39,513	1/4	50,273	1/4	61,034	1/4	71,775	1/4	82,510	1/4	93,274	1/4	104,038
1/2	7,642	1/2	18,430	1/2	29,081	1/2	39,737	1/2	50,497	1/2	61,258	1/2	71,998	1/2	82,734	1/2	93,498	1/2	104,262
3/4	7,866	3/4	18,655	3/4	29,299	3/4	39,961	3/4	50,722	3/4	61,482	3/4	72,221	3/4	82,959	3/4	93,723	3/4	104,487

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 19'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>





BARGE "CBC 1346"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	104,711	0	114,811	0	124,271	0	133,688	0	143,089	0		0		0		0		0	
1/4	104,935	1/4	115,008	1/4	124,467	1/4	133,885	1/4	143,284	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,159	1/2	115,206	1/2	124,664	1/2	134,081	1/2	143,478	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,383	3/4	115,403	3/4	124,860	3/4	134,278	3/4	143,673	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	105,607	1	115,600	1	125,057	1	134,475	1	143,867	1	1	1	1	1	1	1	1	1	1
1/4	105,831	1/4	115,797	1/4	125,254	1/4	134,671	1/4	144,062	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,055	1/2	115,994	1/2	125,450	1/2	134,868	1/2	144,256	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,279	3/4	116,191	3/4	125,647	3/4	135,064	3/4	144,451	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	106,503	2	116,388	2	125,843	2	135,261	2	144,645	2	2	2	2	2	2	2	2	2	2
1/4	106,727	1/4	116,585	1/4	126,040	1/4	135,457	1/4	144,849	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,951	1/2	116,782	1/2	126,236	1/2	135,654	1/2	145,052	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,175	3/4	116,979	3/4	126,433	3/4	135,850	3/4	145,255	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	107,399	3	117,176	3	126,629	3	136,047	3	145,459	3	3	3	3	3	3	3	3	3	3
1/4	107,623	1/4	117,373	1/4	126,826	1/4	136,243	1/4	145,625	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	107,847	1/2	117,570	1/2	127,023	1/2	136,440	1/2	145,791	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,071	3/4	117,767	3/4	127,219	3/4	136,637	3/4	145,957	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	108,295	4	117,965	4	127,416	4	136,833	4	146,122	4	4	4	4	4	4	4	4	4	4
1/4	108,519	1/4	118,162	1/4	127,612	1/4	137,030	1/4	146,251	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	108,743	1/2	118,359	1/2	127,809	1/2	137,226	1/2	146,379	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,967	3/4	118,556	3/4	128,005	3/4	137,423	3/4	146,508	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	109,191	5	118,753	5	128,202	5	137,619	5	146,636	5	5	5	5	5	5	5	5	5	5
1/4	109,415	1/4	118,950	1/4	128,398	1/4	137,816	1/4	146,727	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,639	1/2	119,147	1/2	128,595	1/2	138,012	1/2	146,818	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,863	3/4	119,344	3/4	128,791	3/4	138,209	3/4	146,909	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	110,087	6	119,541	6	128,988	6	138,405	6	147,000	6	6	6	6	6	6	6	6	6	6
1/4	110,284	1/4	119,738	1/4	129,184	1/4	138,602	1/4	147,054	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,481	1/2	119,935	1/2	129,380	1/2	138,799	1/2	147,107	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,677	3/4	120,132	3/4	129,576	3/4	138,995	3/4	147,161	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	110,874	7	120,329	7	129,771	7	139,192	7	147,214	7	7	7	7	7	7	7	7	7	7
1/4	111,071	1/4	120,526	1/4	129,967	1/4	139,388	1/4	147,230	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,268	1/2	120,724	1/2	130,163	1/2	139,585	1/2	147,247	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,465	3/4	120,921	3/4	130,359	3/4	139,781	3/4	147,263	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	111,662	8	121,118	8	130,555	8	139,978	8	147,279	8	8	8	8	8	8	8	8	8	8
1/4	111,859	1/4	121,315	1/4	130,751	1/4	140,172	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,055	1/2	121,512	1/2	130,946	1/2	140,367	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,252	3/4	121,709	3/4	131,142	3/4	140,561	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	112,449	9	121,906	9	131,338	9	140,756	9		9	9	9	9	9	9	9	9	9	9
1/4	112,646	1/4	122,103	1/4	131,534	1/4	140,950	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,843	1/2	122,300	1/2	131,730	1/2	141,145	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,040	3/4	122,497	3/4	131,926	3/4	141,339	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	113,237	10	122,694	10	132,122	10	141,534	10		10	10	10	10	10	10	10	10	10	10
1/4	113,433	1/4	122,891	1/4	132,317	1/4	141,728	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,630	1/2	123,088	1/2	132,513	1/2	141,923	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,827	3/4	123,285	3/4	132,709	3/4	142,117	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	114,024	11	123,483	11	132,905	11	142,312	11		11	11	11	11	11	11	11	11	11	11
1/4	114,221	1/4	123,680	1/4	133,101	1/4	142,506	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,418	1/2	123,877	1/2	133,297	1/2	142,701	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,615	3/4	124,074	3/4	133,492	3/4	142,895	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: 04/20/2012 CL - SW
CALCULATED: 04/20/2012 CL
PRINTED: 04/20/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2012

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



BARGE "CBC 1346"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	9,053	0	21,131	0	33,061	0	44,992	0	57,070	0	69,147	0	81,225	0	93,303	0	105,379
1/4	60	1/4	9,305	1/4	21,382	1/4	33,305	1/4	45,244	1/4	57,321	1/4	69,399	1/4	81,477	1/4	93,554	1/4	105,630
1/2	81	1/2	9,556	1/2	21,634	1/2	33,549	1/2	45,495	1/2	57,573	1/2	69,651	1/2	81,728	1/2	93,806	1/2	105,882
3/4	102	3/4	9,808	3/4	21,885	3/4	33,794	3/4	45,747	3/4	57,824	3/4	69,902	3/4	81,980	3/4	94,058	3/4	106,133
1	123	1	10,060	1	22,137	1	34,038	1	45,998	1	58,076	1	70,154	1	82,232	1	94,309	1	106,385
1/4	186	1/4	10,311	1/4	22,389	1/4	34,282	1/4	46,250	1/4	58,328	1/4	70,405	1/4	82,483	1/4	94,561	1/4	106,636
1/2	249	1/2	10,563	1/2	22,640	1/2	34,526	1/2	46,502	1/2	58,579	1/2	70,657	1/2	82,735	1/2	94,812	1/2	106,888
3/4	312	3/4	10,815	3/4	22,892	3/4	34,770	3/4	46,753	3/4	58,831	3/4	70,909	3/4	82,986	3/4	95,064	3/4	107,140
2	375	2	11,066	2	23,143	2	35,015	2	47,005	2	59,083	2	71,160	2	83,238	2	95,315	2	107,391
1/4	480	1/4	11,318	1/4	23,395	1/4	35,259	1/4	47,256	1/4	59,334	1/4	71,412	1/4	83,490	1/4	95,567	1/4	107,643
1/2	584	1/2	11,569	1/2	23,647	1/2	35,503	1/2	47,508	1/2	59,586	1/2	71,664	1/2	83,741	1/2	95,819	1/2	107,894
3/4	689	3/4	11,821	3/4	23,898	3/4	35,747	3/4	47,760	3/4	59,837	3/4	71,915	3/4	83,993	3/4	96,070	3/4	108,146
3	794	3	12,073	3	24,150	3	35,991	3	48,011	3	60,089	3	72,167	3	84,245	3	96,322	3	108,397
1/4	941	1/4	12,324	1/4	24,401	1/4	36,236	1/4	48,263	1/4	60,341	1/4	72,418	1/4	84,496	1/4	96,573	1/4	108,649
1/2	1,088	1/2	12,576	1/2	24,653	1/2	36,480	1/2	48,515	1/2	60,592	1/2	72,670	1/2	84,748	1/2	96,825	1/2	108,901
3/4	1,234	3/4	12,827	3/4	24,905	3/4	36,724	3/4	48,766	3/4	60,844	3/4	72,922	3/4	84,999	3/4	97,076	3/4	109,152
4	1,381	4	13,079	4	25,156	4	36,968	4	49,018	4	61,096	4	73,173	4	85,251	4	97,328	4	109,404
1/4	1,570	1/4	13,331	1/4	25,408	1/4	37,213	1/4	49,269	1/4	61,347	1/4	73,425	1/4	85,503	1/4	97,580	1/4	109,655
1/2	1,759	1/2	13,582	1/2	25,660	1/2	37,457	1/2	49,521	1/2	61,599	1/2	73,677	1/2	85,754	1/2	97,831	1/2	109,907
3/4	1,947	3/4	13,834	3/4	25,911	3/4	37,702	3/4	49,773	3/4	61,850	3/4	73,928	3/4	86,006	3/4	98,083	3/4	110,158
5	2,136	5	14,085	5	26,163	5	37,947	5	50,024	5	62,102	5	74,180	5	86,258	5	98,334	5	110,410
1/4	2,366	1/4	14,337	1/4	26,414	1/4	38,198	1/4	50,276	1/4	62,354	1/4	74,431	1/4	86,509	1/4	98,586	1/4	110,662
1/2	2,596	1/2	14,589	1/2	26,666	1/2	38,450	1/2	50,528	1/2	62,605	1/2	74,683	1/2	86,761	1/2	98,838	1/2	110,913
3/4	2,826	3/4	14,840	3/4	26,918	3/4	38,701	3/4	50,779	3/4	62,857	3/4	74,935	3/4	87,012	3/4	99,089	3/4	111,165
6	3,056	6	15,092	6	27,169	6	38,953	6	51,031	6	63,109	6	75,186	6	87,264	6	99,341	6	111,416
1/4	3,302	1/4	15,344	1/4	27,421	1/4	39,205	1/4	51,282	1/4	63,360	1/4	75,438	1/4	87,516	1/4	99,592	1/4	111,668
1/2	3,549	1/2	15,595	1/2	27,672	1/2	39,456	1/2	51,534	1/2	63,612	1/2	75,689	1/2	87,767	1/2	99,844	1/2	111,919
3/4	3,796	3/4	15,847	3/4	27,924	3/4	39,708	3/4	51,786	3/4	63,863	3/4	75,941	3/4	88,019	3/4	100,095	3/4	112,171
7	4,042	7	16,098	7	28,176	7	39,960	7	52,037	7	64,115	7	76,193	7	88,270	7	100,347	7	112,423
1/4	4,291	1/4	16,350	1/4	28,420	1/4	40,211	1/4	52,289	1/4	64,367	1/4	76,444	1/4	88,522	1/4	100,599	1/4	112,674
1/2	4,540	1/2	16,602	1/2	28,665	1/2	40,463	1/2	52,540	1/2	64,618	1/2	76,696	1/2	88,774	1/2	100,850	1/2	112,926
3/4	4,789	3/4	16,853	3/4	28,909	3/4	40,714	3/4	52,792	3/4	64,870	3/4	76,948	3/4	89,025	3/4	101,102	3/4	113,177
8	5,037	8	17,105	8	29,154	8	40,966	8	53,044	8	65,121	8	77,199	8	89,277	8	101,353	8	113,429
1/4	5,288	1/4	17,356	1/4	29,398	1/4	41,218	1/4	53,295	1/4	65,373	1/4	77,451	1/4	89,529	1/4	101,605	1/4	113,681
1/2	5,538	1/2	17,608	1/2	29,642	1/2	41,469	1/2	53,547	1/2	65,625	1/2	77,702	1/2	89,780	1/2	101,856	1/2	113,932
3/4	5,788	3/4	17,860	3/4	29,886	3/4	41,721	3/4	53,799	3/4	65,876	3/4	77,954	3/4	90,032	3/4	102,108	3/4	114,184
9	6,038	9	18,111	9	30,131	9	41,972	9	54,050	9	66,128	9	78,206	9	90,283	9	102,360	9	114,435
1/4	6,289	1/4	18,363	1/4	30,375	1/4	42,224	1/4	54,302	1/4	66,380	1/4	78,457	1/4	90,535	1/4	102,611	1/4	114,687
1/2	6,540	1/2	18,614	1/2	30,619	1/2	42,476	1/2	54,553	1/2	66,631	1/2	78,709	1/2	90,787	1/2	102,863	1/2	114,938
3/4	6,790	3/4	18,866	3/4	30,863	3/4	42,727	3/4	54,805	3/4	66,883	3/4	78,961	3/4	91,038	3/4	103,114	3/4	115,190
10	7,041	10	19,118	10	31,107	10	42,979	10	55,057	10	67,134	10	79,210	10	91,290	10	103,366	10	115,442
1/4	7,293	1/4	19,369	1/4	31,352	1/4	43,231	1/4	55,308	1/4	67,386	1/4	79,464	1/4	91,542	1/4	103,617	1/4	115,693
1/2	7,544	1/2	19,621	1/2	31,596	1/2	43,482	1/2	55,560	1/2	67,638	1/2	79,715	1/2	91,793	1/2	103,869	1/2	115,945
3/4	7,796	3/4	19,873	3/4	31,840	3/4	43,734	3/4	55,812	3/4	67,889	3/4	79,967	3/4	92,045	3/4	104,121	3/4	116,196
11	8,047	11	20,124	11	32,084	11	43,985	11	56,063	11	68,141	11	80,219	11	92,296	11	104,372	11	116,448
1/4	8,298	1/4	20,376	1/4	32,328	1/4	44,237	1/4	56,315	1/4	68,393	1/4	80,470	1/4	92,548	1/4	104,624	1/4	116,699
1/2	8,550	1/2	20,627	1/2	32,573	1/2	44,489	1/2	56,566	1/2	68,644	1/2	80,722	1/2	92,800	1/2	104,875	1/2	116,951
3/4	8,802	3/4	20,879	3/4	32,817	3/4	44,740	3/4	56,818	3/4	68,896	3/4	80,973	3/4	93,051	3/4	105,127	3/4	117,203

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 29'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1346"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	117,454	0	129,530	0	141,605	0	153,614	0	165,586	0		0		0		0		0	
1/4	117,706	1/4	129,781	1/4	141,856	1/4	153,864	1/4	165,833	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	117,957	1/2	130,033	1/2	142,106	1/2	154,114	1/2	166,081	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	118,209	3/4	130,285	3/4	142,356	3/4	154,365	3/4	166,329	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	118,460	1	130,536	1	142,606	1	154,615	1	166,577	1	1	1	1	1	1	1	1	1	1
1/4	118,712	1/4	130,788	1/4	142,856	1/4	154,865	1/4	166,825	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,964	1/2	131,039	1/2	143,107	1/2	155,115	1/2	167,073	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,215	3/4	131,291	3/4	143,357	3/4	155,365	3/4	167,321	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	119,467	2	131,542	2	143,607	2	155,615	2	167,568	2	2	2	2	2	2	2	2	2	2
1/4	119,718	1/4	131,794	1/4	143,857	1/4	155,866	1/4	167,795	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,970	1/2	132,046	1/2	144,107	1/2	156,116	1/2	168,022	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	120,221	3/4	132,297	3/4	144,357	3/4	156,366	3/4	168,249	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	120,473	3	132,549	3	144,608	3	156,616	3	168,476	3	3	3	3	3	3	3	3	3	3
1/4	120,725	1/4	132,800	1/4	144,858	1/4	156,866	1/4	168,661	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	120,976	1/2	133,052	1/2	145,108	1/2	157,116	1/2	168,846	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	121,228	3/4	133,303	3/4	145,358	3/4	157,367	3/4	169,031	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	121,479	4	133,555	4	145,608	4	157,617	4	169,216	4	4	4	4	4	4	4	4	4	4
1/4	121,731	1/4	133,807	1/4	145,858	1/4	157,867	1/4	169,359	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	121,983	1/2	134,058	1/2	146,109	1/2	158,117	1/2	169,502	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	122,234	3/4	134,310	3/4	146,359	3/4	158,367	3/4	169,645	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	122,486	5	134,561	5	146,609	5	158,618	5	169,788	5	5	5	5	5	5	5	5	5	5
1/4	122,737	1/4	134,813	1/4	146,859	1/4	158,868	1/4	169,889	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	122,989	1/2	135,064	1/2	147,109	1/2	159,118	1/2	169,990	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	123,240	3/4	135,316	3/4	147,360	3/4	159,368	3/4	170,091	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	123,492	6	135,568	6	147,610	6	159,618	6	170,192	6	6	6	6	6	6	6	6	6	6
1/4	123,744	1/4	135,819	1/4	147,860	1/4	159,868	1/4	170,251	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	123,995	1/2	136,071	1/2	148,110	1/2	160,119	1/2	170,311	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	124,247	3/4	136,322	3/4	148,360	3/4	160,369	3/4	170,370	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	124,498	7	136,574	7	148,610	7	160,619	7	170,429	7	7	7	7	7	7	7	7	7	7
1/4	124,750	1/4	136,826	1/4	148,861	1/4	160,869	1/4	170,446	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	125,001	1/2	137,077	1/2	149,111	1/2	161,119	1/2	170,463	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	125,253	3/4	137,329	3/4	149,361	3/4	161,370	3/4	170,481	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	125,505	8	137,580	8	149,611	8	161,620	8	170,498	8	8	8	8	8	8	8	8	8	8
1/4	125,756	1/4	137,832	1/4	149,861	1/4	161,868	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	126,008	1/2	138,083	1/2	150,112	1/2	162,115	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	126,259	3/4	138,335	3/4	150,362	3/4	162,363	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	126,511	9	138,587	9	150,612	9	162,611	9		9	9	9	9	9	9	9	9	9	9
1/4	126,762	1/4	138,838	1/4	150,862	1/4	162,859	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	127,014	1/2	139,090	1/2	151,112	1/2	163,107	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	127,266	3/4	139,341	3/4	151,362	3/4	163,355	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	127,517	10	139,593	10	151,613	10	163,603	10		10	10	10	10	10	10	10	10	10	10
1/4	127,769	1/4	139,844	1/4	151,863	1/4	163,850	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	128,020	1/2	140,096	1/2	152,113	1/2	164,098	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	128,272	3/4	140,348	3/4	152,363	3/4	164,346	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	128,524	11	140,599	11	152,613	11	164,594	11		11	11	11	11	11	11	11	11	11	11
1/4	128,775	1/4	140,851	1/4	152,863	1/4	164,842	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	129,027	1/2	141,102	1/2	153,114	1/2	165,090	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	129,278	3/4	141,354	3/4	153,364	3/4	165,338	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: 04/20/2012 CL - SW
CALCULATED: 04/20/2012 CL
PRINTED: 04/20/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2012

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



BARGE "CBC 1346"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	8,028	0	18,733	0	29,423	0	40,116	0	50,821	0	61,526	0	72,230	0	82,935	0	93,638
1/4	58	1/4	8,251	1/4	18,956	1/4	29,645	1/4	40,339	1/4	51,044	1/4	61,749	1/4	72,453	1/4	83,158	1/4	93,861
1/2	76	1/2	8,474	1/2	19,179	1/2	29,868	1/2	40,562	1/2	51,267	1/2	61,972	1/2	72,676	1/2	83,381	1/2	94,084
3/4	95	3/4	8,697	3/4	19,402	3/4	30,090	3/4	40,785	3/4	51,490	3/4	62,195	3/4	72,899	3/4	83,604	3/4	94,307
1	114	1	8,920	1	19,625	1	30,312	1	41,008	1	51,713	1	62,418	1	73,122	1	83,827	1	94,530
1/4	169	1/4	9,143	1/4	19,848	1/4	30,534	1/4	41,231	1/4	51,936	1/4	62,641	1/4	73,345	1/4	84,050	1/4	94,753
1/2	225	1/2	9,366	1/2	20,071	1/2	30,757	1/2	41,454	1/2	52,159	1/2	62,864	1/2	73,568	1/2	84,273	1/2	94,976
3/4	281	3/4	9,589	3/4	20,294	3/4	30,979	3/4	41,677	3/4	52,382	3/4	63,087	3/4	73,792	3/4	84,496	3/4	95,199
2	337	2	9,812	2	20,517	2	31,201	2	41,900	2	52,605	2	63,310	2	74,015	2	84,719	2	95,422
1/4	429	1/4	10,036	1/4	20,740	1/4	31,424	1/4	42,123	1/4	52,828	1/4	63,533	1/4	74,238	1/4	84,942	1/4	95,645
1/2	522	1/2	10,259	1/2	20,963	1/2	31,646	1/2	42,346	1/2	53,051	1/2	63,756	1/2	74,461	1/2	85,165	1/2	95,868
3/4	615	3/4	10,482	3/4	21,186	3/4	31,868	3/4	42,569	3/4	53,274	3/4	63,979	3/4	74,684	3/4	85,388	3/4	96,091
3	708	3	10,705	3	21,409	3	32,090	3	42,792	3	53,497	3	64,202	3	74,907	3	85,611	3	96,314
1/4	838	1/4	10,928	1/4	21,632	1/4	32,313	1/4	43,015	1/4	53,720	1/4	64,425	1/4	75,130	1/4	85,834	1/4	96,537
1/2	968	1/2	11,151	1/2	21,855	1/2	32,535	1/2	43,238	1/2	53,943	1/2	64,648	1/2	75,353	1/2	86,057	1/2	96,760
3/4	1,098	3/4	11,374	3/4	22,078	3/4	32,757	3/4	43,461	3/4	54,166	3/4	64,871	3/4	75,576	3/4	86,280	3/4	96,983
4	1,229	4	11,597	4	22,301	4	32,980	4	43,684	4	54,389	4	65,094	4	75,799	4	86,503	4	97,206
1/4	1,396	1/4	11,820	1/4	22,524	1/4	33,203	1/4	43,907	1/4	54,612	1/4	65,317	1/4	76,022	1/4	86,726	1/4	97,429
1/2	1,563	1/2	12,043	1/2	22,747	1/2	33,426	1/2	44,130	1/2	54,835	1/2	65,540	1/2	76,245	1/2	86,949	1/2	97,652
3/4	1,730	3/4	12,266	3/4	22,970	3/4	33,649	3/4	44,353	3/4	55,058	3/4	65,763	3/4	76,468	3/4	87,172	3/4	97,875
5	1,898	5	12,489	5	23,193	5	33,872	5	44,576	5	55,281	5	65,986	5	76,691	5	87,395	5	98,098
1/4	2,101	1/4	12,712	1/4	23,416	1/4	34,095	1/4	44,800	1/4	55,504	1/4	66,209	1/4	76,914	1/4	87,618	1/4	98,321
1/2	2,305	1/2	12,935	1/2	23,639	1/2	34,318	1/2	45,023	1/2	55,727	1/2	66,432	1/2	77,137	1/2	87,841	1/2	98,544
3/4	2,509	3/4	13,158	3/4	23,862	3/4	34,541	3/4	45,246	3/4	55,950	3/4	66,655	3/4	77,360	3/4	88,064	3/4	98,767
6	2,713	6	13,381	6	24,085	6	34,764	6	45,469	6	56,173	6	66,878	6	77,583	6	88,287	6	98,990
1/4	2,931	1/4	13,604	1/4	24,308	1/4	34,987	1/4	45,692	1/4	56,396	1/4	67,101	1/4	77,806	1/4	88,510	1/4	99,213
1/2	3,150	1/2	13,827	1/2	24,530	1/2	35,210	1/2	45,915	1/2	56,619	1/2	67,324	1/2	78,029	1/2	88,733	1/2	99,435
3/4	3,369	3/4	14,050	3/4	24,753	3/4	35,433	3/4	46,138	3/4	56,842	3/4	67,547	3/4	78,252	3/4	88,956	3/4	99,658
7	3,587	7	14,273	7	24,976	7	35,656	7	46,361	7	57,065	7	67,770	7	78,475	7	89,179	7	99,881
1/4	3,808	1/4	14,496	1/4	25,198	1/4	35,879	1/4	46,584	1/4	57,288	1/4	67,993	1/4	78,698	1/4	89,401	1/4	100,104
1/2	4,028	1/2	14,719	1/2	25,421	1/2	36,102	1/2	46,807	1/2	57,511	1/2	68,216	1/2	78,921	1/2	89,624	1/2	100,327
3/4	4,249	3/4	14,942	3/4	25,643	3/4	36,325	3/4	47,030	3/4	57,734	3/4	68,439	3/4	79,144	3/4	89,847	3/4	100,550
8	4,469	8	15,165	8	25,866	8	36,548	8	47,253	8	57,957	8	68,662	8	79,367	8	90,070	8	100,773
1/4	4,691	1/4	15,388	1/4	26,088	1/4	36,771	1/4	47,476	1/4	58,180	1/4	68,885	1/4	79,590	1/4	90,293	1/4	100,996
1/2	4,912	1/2	15,611	1/2	26,311	1/2	36,994	1/2	47,699	1/2	58,403	1/2	69,108	1/2	79,813	1/2	90,516	1/2	101,219
3/4	5,134	3/4	15,834	3/4	26,533	3/4	37,217	3/4	47,922	3/4	58,626	3/4	69,331	3/4	80,036	3/4	90,739	3/4	101,442
9	5,356	9	16,057	9	26,755	9	37,440	9	48,145	9	58,849	9	69,554	9	80,259	9	90,962	9	101,665
1/4	5,578	1/4	16,280	1/4	26,978	1/4	37,663	1/4	48,368	1/4	59,072	1/4	69,777	1/4	80,482	1/4	91,185	1/4	101,888
1/2	5,801	1/2	16,503	1/2	27,200	1/2	37,886	1/2	48,591	1/2	59,296	1/2	70,000	1/2	80,705	1/2	91,408	1/2	102,111
3/4	6,023	3/4	16,726	3/4	27,422	3/4	38,109	3/4	48,814	3/4	59,519	3/4	70,223	3/4	80,928	3/4	91,631	3/4	102,334
10	6,245	10	16,949	10	27,645	10	38,332	10	49,037	10	59,742	10	70,446	10	81,151	10	91,854	10	102,557
1/4	6,468	1/4	17,172	1/4	27,867	1/4	38,555	1/4	49,260	1/4	59,965	1/4	70,669	1/4	81,374	1/4	92,077	1/4	102,780
1/2	6,691	1/2	17,395	1/2	28,089	1/2	38,778	1/2	49,483	1/2	60,188	1/2	70,892	1/2	81,597	1/2	92,300	1/2	103,003
3/4	6,914	3/4	17,618	3/4	28,311	3/4	39,001	3/4	49,706	3/4	60,411	3/4	71,115	3/4	81,820	3/4	92,523	3/4	103,226
11	7,136	11	17,841	11	28,534	11	39,224	11	49,929	11	60,634	11	71,338	11	82,043	11	92,746	11	103,449
1/4	7,359	1/4	18,064	1/4	28,756	1/4	39,447	1/4	50,152	1/4	60,857	1/4	71,561	1/4	82,266	1/4	92,969	1/4	103,672
1/2	7,582	1/2	18,287	1/2	28,978	1/2	39,670	1/2	50,375	1/2	61,080	1/2	71,784	1/2	82,489	1/2	93,192	1/2	103,895
3/4	7,805	3/4	18,510	3/4	29,201	3/4	39,893	3/4	50,598	3/4	61,303	3/4	72,007	3/4	82,712	3/4	93,415	3/4	104,118

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 23'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1346"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	104,341	0	115,044	0	125,747	0	136,391	0	147,003	0		0		0		0		0	
1/4	104,564	1/4	115,267	1/4	125,969	1/4	136,613	1/4	147,222	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	104,787	1/2	115,490	1/2	126,190	1/2	136,835	1/2	147,442	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,010	3/4	115,713	3/4	126,412	3/4	137,056	3/4	147,662	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	105,233	1	115,936	1	126,634	1	137,278	1	147,881	1	1	1	1	1	1	1	1	1	1
1/4	105,456	1/4	116,159	1/4	126,856	1/4	137,500	1/4	148,101	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,679	1/2	116,382	1/2	127,077	1/2	137,722	1/2	148,321	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,902	3/4	116,605	3/4	127,299	3/4	137,943	3/4	148,540	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	106,125	2	116,828	2	127,521	2	138,165	2	148,760	2	2	2	2	2	2	2	2	2	2
1/4	106,348	1/4	117,051	1/4	127,743	1/4	138,387	1/4	148,961	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,571	1/2	117,274	1/2	127,964	1/2	138,609	1/2	149,162	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,794	3/4	117,497	3/4	128,186	3/4	138,830	3/4	149,364	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	107,017	3	117,720	3	128,408	3	139,052	3	149,565	3	3	3	3	3	3	3	3	3	3
1/4	107,240	1/4	117,943	1/4	128,630	1/4	139,274	1/4	149,729	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	107,463	1/2	118,166	1/2	128,851	1/2	139,496	1/2	149,893	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,686	3/4	118,389	3/4	129,073	3/4	139,717	3/4	150,057	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	107,909	4	118,612	4	129,295	4	139,939	4	150,220	4	4	4	4	4	4	4	4	4	4
1/4	108,132	1/4	118,835	1/4	129,517	1/4	140,161	1/4	150,347	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	108,355	1/2	119,058	1/2	129,738	1/2	140,383	1/2	150,474	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,578	3/4	119,280	3/4	129,960	3/4	140,604	3/4	150,601	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	108,801	5	119,503	5	130,182	5	140,826	5	150,728	5	5	5	5	5	5	5	5	5	5
1/4	109,024	1/4	119,726	1/4	130,404	1/4	141,048	1/4	150,817	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,246	1/2	119,949	1/2	130,625	1/2	141,270	1/2	150,907	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,469	3/4	120,172	3/4	130,847	3/4	141,491	3/4	150,996	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	109,692	6	120,395	6	131,069	6	141,713	6	151,086	6	6	6	6	6	6	6	6	6	6
1/4	109,915	1/4	120,618	1/4	131,291	1/4	141,935	1/4	151,138	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,138	1/2	120,841	1/2	131,512	1/2	142,157	1/2	151,191	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,361	3/4	121,064	3/4	131,734	3/4	142,378	3/4	151,243	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	110,584	7	121,287	7	131,956	7	142,600	7	151,296	7	7	7	7	7	7	7	7	7	7
1/4	110,807	1/4	121,510	1/4	132,178	1/4	142,822	1/4	151,311	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,030	1/2	121,733	1/2	132,399	1/2	143,044	1/2	151,326	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,253	3/4	121,956	3/4	132,621	3/4	143,265	3/4	151,342	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	111,476	8	122,179	8	132,843	8	143,487	8	151,357	8	8	8	8	8	8	8	8	8	8
1/4	111,699	1/4	122,402	1/4	133,065	1/4	143,707	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,922	1/2	122,625	1/2	133,287	1/2	143,927	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,145	3/4	122,848	3/4	133,508	3/4	144,146	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	112,368	9	123,071	9	133,730	9	144,366	9		9	9	9	9	9	9	9	9	9	9
1/4	112,591	1/4	123,294	1/4	133,952	1/4	144,586	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,814	1/2	123,517	1/2	134,174	1/2	144,805	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,037	3/4	123,740	3/4	134,395	3/4	145,025	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	113,260	10	123,963	10	134,617	10	145,245	10		10	10	10	10	10	10	10	10	10	10
1/4	113,483	1/4	124,186	1/4	134,839	1/4	145,465	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,706	1/2	124,409	1/2	135,061	1/2	145,684	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,929	3/4	124,632	3/4	135,282	3/4	145,904	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	114,152	11	124,855	11	135,504	11	146,124	11		11	11	11	11	11	11	11	11	11	11
1/4	114,375	1/4	125,078	1/4	135,726	1/4	146,343	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,598	1/2	125,301	1/2	135,948	1/2	146,563	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,821	3/4	125,524	3/4	136,169	3/4	146,783	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: 04/20/2012 CL - SW
CALCULATED: 04/20/2012 CL
PRINTED: 04/20/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2012

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



BARGE "CBC 1346"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	- 00-1/2	00-1/2	- 01-1/8	01-1/8	- 01-5/8	01-5/8	- 02-1/8	02-1/8	- 02-3/4	02-3/4	- 03-1/4	03-1/4
2 CENTER	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
3 CENTER	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 161'-09"

April 20, 2012

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

<http://www.pmacorp.net>



BARGE "CBC 1346"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
0		0		0	147,247	0	139,585	0	130,163	0	120,724	0	111,268	0	100,674	0	89,910	0	79,146	
1/4	1/4	1/4	1/4	1/4	147,230	1/4	139,388	1/4	129,967	1/4	120,526	1/4	111,071	1/4	100,450	1/4	89,686	1/4	78,922	
1/2	1/2	1/2	1/2	1/2	147,214	1/2	139,192	1/2	129,771	1/2	120,329	1/2	110,874	1/2	100,226	1/2	89,462	1/2	78,697	
3/4	3/4	3/4	3/4	3/4	147,161	3/4	138,995	3/4	129,576	3/4	120,132	3/4	110,677	3/4	100,002	3/4	89,238	3/4	78,473	
1		1		1	147,107	1	138,799	1	129,380	1	119,935	1	110,481	1	99,777	1	89,013	1	78,249	
1/4	1/4	1/4	1/4	1/4	147,054	1/4	138,602	1/4	129,184	1/4	119,738	1/4	110,284	1/4	99,553	1/4	88,789	1/4	78,025	
1/2	1/2	1/2	1/2	1/2	147,000	1/2	138,405	1/2	128,988	1/2	119,541	1/2	110,087	1/2	99,329	1/2	88,565	1/2	77,800	
3/4	3/4	3/4	3/4	3/4	146,909	3/4	138,209	3/4	128,791	3/4	119,344	3/4	109,863	3/4	99,105	3/4	88,341	3/4	77,576	
2		2		2	146,818	2	138,012	2	128,595	2	119,147	2	109,639	2	98,880	2	88,116	2	77,352	
1/4	1/4	1/4	1/4	1/4	146,727	1/4	137,816	1/4	128,398	1/4	118,950	1/4	109,415	1/4	98,656	1/4	87,892	1/4	77,127	
1/2	1/2	1/2	1/2	1/2	146,636	1/2	137,619	1/2	128,202	1/2	118,753	1/2	109,191	1/2	98,432	1/2	87,668	1/2	76,903	
3/4	3/4	3/4	3/4	3/4	146,508	3/4	137,423	3/4	128,005	3/4	118,556	3/4	108,967	3/4	98,208	3/4	87,444	3/4	76,680	
3		3		3	146,379	3	137,226	3	127,809	3	118,359	3	108,743	3	97,983	3	87,219	3	76,456	
1/4	1/4	1/4	1/4	1/4	146,251	1/4	137,030	1/4	127,612	1/4	118,162	1/4	108,519	1/4	97,759	1/4	86,995	1/4	76,233	
1/2	1/2	1/2	1/2	1/2	146,122	1/2	136,833	1/2	127,416	1/2	117,965	1/2	108,295	1/2	97,535	1/2	86,771	1/2	76,009	
3/4	3/4	3/4	3/4	3/4	145,957	3/4	136,637	3/4	127,219	3/4	117,767	3/4	108,071	3/4	97,311	3/4	86,547	3/4	75,786	
4		4		4	145,791	4	136,440	4	127,023	4	117,570	4	107,847	4	97,086	4	86,322	4	75,563	
1/4	1/4	1/4	1/4	1/4	145,625	1/4	136,243	1/4	126,826	1/4	117,373	1/4	107,623	1/4	96,862	1/4	86,098	1/4	75,341	
1/2	1/2	1/2	1/2	1/2	145,459	1/2	136,047	1/2	126,629	1/2	117,176	1/2	107,399	1/2	96,638	1/2	85,874	1/2	75,118	
3/4	3/4	3/4	3/4	3/4	145,255	3/4	135,850	3/4	126,433	3/4	116,979	3/4	107,175	3/4	96,414	3/4	85,650	3/4	74,895	
5		5		5	145,052	5	135,654	5	126,236	5	116,782	5	106,951	5	96,189	5	85,425	5	74,672	
1/4	1/4	1/4	1/4	1/4	144,849	1/4	135,457	1/4	126,040	1/4	116,585	1/4	106,727	1/4	95,965	1/4	85,201	1/4	74,449	
1/2	1/2	1/2	1/2	1/2	144,645	1/2	135,261	1/2	125,843	1/2	116,388	1/2	106,503	1/2	95,741	1/2	84,977	1/2	74,226	
3/4	3/4	3/4	3/4	3/4	144,451	3/4	135,064	3/4	125,647	3/4	116,191	3/4	106,279	3/4	95,517	3/4	84,753	3/4	74,004	
6		6		6	144,256	6	134,868	6	125,450	6	115,994	6	106,055	6	95,292	6	84,529	6	73,781	
1/4	1/4	1/4	1/4	1/4	144,062	1/4	134,671	1/4	125,254	1/4	115,797	1/4	105,831	1/4	95,068	1/4	84,304	1/4	73,558	
1/2	1/2	1/2	1/2	1/2	143,867	1/2	134,475	1/2	125,057	1/2	115,600	1/2	105,607	1/2	94,844	1/2	84,080	1/2	73,335	
3/4	3/4	3/4	3/4	3/4	143,673	3/4	134,278	3/4	124,860	3/4	115,403	3/4	105,383	3/4	94,620	3/4	83,856	3/4	73,112	
7		7		7	143,478	7	134,081	7	124,664	7	115,206	7	105,159	7	94,395	7	83,632	7	72,889	
1/4	1/4	1/4	1/4	1/4	143,284	1/4	133,885	1/4	124,467	1/4	115,008	1/4	104,935	1/4	94,171	1/4	83,407	1/4	72,667	
1/2	1/2	1/2	1/2	1/2	143,089	1/2	133,688	1/2	124,271	1/2	114,811	1/2	104,711	1/2	93,947	1/2	83,183	1/2	72,444	
3/4	3/4	3/4	3/4	3/4	142,895	3/4	133,492	3/4	124,074	3/4	114,615	3/4	104,487	3/4	93,723	3/4	82,959	3/4	72,221	
8		8		8	142,701	8	133,297	8	123,877	8	114,418	8	104,262	8	93,498	8	82,734	8	71,998	
1/4	1/4	1/4	1/4	1/4	142,506	1/4	133,101	1/4	123,680	1/4	114,221	1/4	104,038	1/4	93,274	1/4	82,510	1/4	71,775	
1/2	1/2	1/2	1/2	1/2	142,312	1/2	132,905	1/2	123,483	1/2	114,024	1/2	103,814	1/2	93,050	1/2	82,286	1/2	71,552	
3/4	3/4	3/4	3/4	3/4	142,117	3/4	132,709	3/4	123,285	3/4	113,827	3/4	103,590	3/4	92,826	3/4	82,062	3/4	71,330	
9		9		9	141,923	9	132,513	9	123,088	9	113,630	9	103,365	9	92,601	9	81,837	9	71,107	
1/4	1/4	1/4	1/4	1/4	141,728	1/4	132,317	1/4	122,891	1/4	113,433	1/4	103,141	1/4	92,377	1/4	81,613	1/4	70,884	
1/2	1/2	1/2	1/2	1/2	141,534	1/2	132,122	1/2	122,694	1/2	113,237	1/2	102,917	1/2	92,153	1/2	81,389	1/2	70,661	
3/4	3/4	3/4	3/4	3/4	141,339	3/4	131,926	3/4	122,497	3/4	113,040	3/4	102,693	3/4	91,929	3/4	81,164	3/4	70,438	
10		10		10	141,145	10	131,730	10	122,300	10	112,843	10	102,468	10	91,704	10	80,940	10	70,215	
1/4	1/4	1/4	1/4	1/4	140,950	1/4	131,534	1/4	122,103	1/4	112,646	1/4	102,244	1/4	91,480	1/4	80,716	1/4	69,993	
1/2	1/2	1/2	1/2	1/2	140,756	1/2	131,338	1/2	121,906	1/2	112,449	1/2	102,020	1/2	91,256	1/2	80,492	1/2	69,770	
3/4	3/4	3/4	3/4	3/4	140,561	3/4	131,142	3/4	121,709	3/4	112,252	3/4	101,796	3/4	91,032	3/4	80,267	3/4	69,546	
11		11		11	140,367	11	130,946	11	121,512	11	112,055	11	101,571	11	90,807	11	80,043	11	69,323	
1/4	1/4	1/4	1/4	1/4	140,172	1/4	130,751	1/4	121,315	1/4	111,859	1/4	101,347	1/4	90,583	1/4	79,819	1/4	69,099	
1/2	1/2	1/2	1/2	147,279	1/2	139,978	1/2	130,555	1/2	121,118	1/2	111,662	1/2	101,123	1/2	90,359	1/2	79,595	1/2	68,875
3/4	3/4	3/4	3/4	147,263	3/4	139,781	3/4	130,359	3/4	120,921	3/4	111,465	3/4	100,899	3/4	90,135	3/4	79,370	3/4	68,652

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 19'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1346"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	68,428	0	57,671	0	46,911	0	36,150	0	25,586	0	14,834	0	4,059	0		0		0	
1/4	68,205	1/4	57,447	1/4	46,686	1/4	35,926	1/4	25,368	1/4	14,609	1/4	3,837	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,981	1/2	57,223	1/2	46,462	1/2	35,702	1/2	25,149	1/2	14,384	1/2	3,615	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,757	3/4	56,999	3/4	46,238	3/4	35,477	3/4	24,930	3/4	14,160	3/4	3,395	3/4	3/4	3/4	3/4	3/4	3/4
1	67,534	1	56,774	1	46,014	1	35,253	1	24,711	1	13,935	1	3,174	1	1	1	1	1	1
1/4	67,310	1/4	56,550	1/4	45,790	1/4	35,029	1/4	24,493	1/4	13,710	1/4	2,954	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,087	1/2	56,326	1/2	45,566	1/2	34,805	1/2	24,274	1/2	13,485	1/2	2,734	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,863	3/4	56,102	3/4	45,341	3/4	34,581	3/4	24,049	3/4	13,261	3/4	2,528	3/4	3/4	3/4	3/4	3/4	3/4
2	66,638	2	55,878	2	45,117	2	34,357	2	23,824	2	13,036	2	2,323	2	2	2	2	2	2
1/4	66,414	1/4	55,654	1/4	44,893	1/4	34,132	1/4	23,599	1/4	12,811	1/4	2,117	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,190	1/2	55,429	1/2	44,669	1/2	33,908	1/2	23,375	1/2	12,586	1/2	1,912	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,966	3/4	55,205	3/4	44,445	3/4	33,684	3/4	23,150	3/4	12,361	3/4	1,743	3/4	3/4	3/4	3/4	3/4	3/4
3	65,742	3	54,981	3	44,220	3	33,460	3	22,925	3	12,137	3	1,575	3	3	3	3	3	3
1/4	65,517	1/4	54,757	1/4	43,996	1/4	33,236	1/4	22,700	1/4	11,912	1/4	1,406	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,293	1/2	54,533	1/2	43,772	1/2	33,012	1/2	22,476	1/2	11,687	1/2	1,238	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,069	3/4	54,309	3/4	43,548	3/4	32,793	3/4	22,251	3/4	11,462	3/4	1,107	3/4	3/4	3/4	3/4	3/4	3/4
4	64,845	4	54,084	4	43,324	4	32,575	4	22,026	4	11,238	4	976	4	4	4	4	4	4
1/4	64,621	1/4	53,860	1/4	43,100	1/4	32,356	1/4	21,801	1/4	11,013	1/4	845	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,397	1/2	53,636	1/2	42,875	1/2	32,138	1/2	21,577	1/2	10,788	1/2	714	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,172	3/4	53,412	3/4	42,651	3/4	31,920	3/4	21,352	3/4	10,563	3/4	620	3/4	3/4	3/4	3/4	3/4	3/4
5	63,948	5	53,188	5	42,427	5	31,701	5	21,127	5	10,339	5	526	5	5	5	5	5	5
1/4	63,724	1/4	52,963	1/4	42,203	1/4	31,483	1/4	20,902	1/4	10,114	1/4	433	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,500	1/2	52,739	1/2	41,979	1/2	31,265	1/2	20,678	1/2	9,889	1/2	339	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,276	3/4	52,515	3/4	41,754	3/4	31,046	3/4	20,453	3/4	9,664	3/4	283	3/4	3/4	3/4	3/4	3/4	3/4
6	63,051	6	52,291	6	41,530	6	30,828	6	20,228	6	9,440	6	227	6	6	6	6	6	6
1/4	62,827	1/4	52,067	1/4	41,306	1/4	30,609	1/4	20,003	1/4	9,215	1/4	170	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,603	1/2	51,843	1/2	41,082	1/2	30,391	1/2	19,779	1/2	8,990	1/2	114	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,379	3/4	51,618	3/4	40,858	3/4	30,173	3/4	19,554	3/4	8,765	3/4	96	3/4	3/4	3/4	3/4	3/4	3/4
7	62,155	7	51,394	7	40,634	7	29,954	7	19,329	7	8,541	7	77	7	7	7	7	7	7
1/4	61,931	1/4	51,170	1/4	40,409	1/4	29,736	1/4	19,104	1/4	8,316	1/4	58	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,706	1/2	50,946	1/2	40,185	1/2	29,518	1/2	18,880	1/2	8,091	1/2	39	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,482	3/4	50,722	3/4	39,961	3/4	29,299	3/4	18,655	3/4	7,866	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	61,258	8	50,497	8	39,737	8	29,081	8	18,430	8	7,642	8		8	8	8	8	8	8
1/4	61,034	1/4	50,273	1/4	39,513	1/4	28,863	1/4	18,205	1/4	7,417	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,810	1/2	50,049	1/2	39,289	1/2	28,644	1/2	17,980	1/2	7,192	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,586	3/4	49,825	3/4	39,064	3/4	28,426	3/4	17,756	3/4	6,968	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	60,361	9	49,601	9	38,840	9	28,207	9	17,531	9	6,743	9		9	9	9	9	9	9
1/4	60,137	1/4	49,377	1/4	38,616	1/4	27,989	1/4	17,306	1/4	6,518	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,913	1/2	49,152	1/2	38,392	1/2	27,771	1/2	17,081	1/2	6,294	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,689	3/4	48,928	3/4	38,168	3/4	27,552	3/4	16,857	3/4	6,070	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	59,465	10	48,704	10	37,943	10	27,334	10	16,632	10	5,846	10		10	10	10	10	10	10
1/4	59,240	1/4	48,480	1/4	37,719	1/4	27,116	1/4	16,407	1/4	5,621	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,016	1/2	48,256	1/2	37,495	1/2	26,897	1/2	16,182	1/2	5,397	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,792	3/4	48,032	3/4	37,271	3/4	26,679	3/4	15,958	3/4	5,174	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	58,568	11	47,807	11	37,047	11	26,461	11	15,733	11	4,951	11		11	11	11	11	11	11
1/4	58,344	1/4	47,583	1/4	36,823	1/4	26,242	1/4	15,508	1/4	4,727	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,120	1/2	47,359	1/2	36,598	1/2	26,024	1/2	15,283	1/2	4,504	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,895	3/4	47,135	3/4	36,374	3/4	25,805	3/4	15,059	3/4	4,282	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2012 CL - SW
CALCULATED: 04/20/2012 CL
PRINTED: 04/20/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2012

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



BARGE "CBC 1346"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
0		0		0	170,463	0	161,119	0	149,111	0	137,077	0	125,001	0	112,926	0	100,850	0	88,774	
1/4	1/4	1/4	1/4	1/4	170,446	1/4	160,869	1/4	148,861	1/4	136,826	1/4	124,750	1/4	112,674	1/4	100,599	1/4	88,522	
1/2	1/2	1/2	1/2	1/2	170,429	1/2	160,619	1/2	148,610	1/2	136,574	1/2	124,498	1/2	112,423	1/2	100,347	1/2	88,270	
3/4	3/4	3/4	3/4	3/4	170,370	3/4	160,369	3/4	148,360	3/4	136,322	3/4	124,247	3/4	112,171	3/4	100,095	3/4	88,019	
1		1		1	170,311	1	160,119	1	148,110	1	136,071	1	123,995	1	111,919	1	99,844	1	87,767	
1/4	1/4	1/4	1/4	1/4	170,251	1/4	159,868	1/4	147,860	1/4	135,819	1/4	123,744	1/4	111,668	1/4	99,592	1/4	87,516	
1/2	1/2	1/2	1/2	1/2	170,192	1/2	159,618	1/2	147,610	1/2	135,568	1/2	123,492	1/2	111,416	1/2	99,341	1/2	87,264	
3/4	3/4	3/4	3/4	3/4	170,091	3/4	159,368	3/4	147,360	3/4	135,316	3/4	123,240	3/4	111,165	3/4	99,089	3/4	87,012	
2		2		2	169,990	2	159,118	2	147,109	2	135,064	2	122,989	2	110,913	2	98,838	2	86,761	
1/4	1/4	1/4	1/4	1/4	169,889	1/4	158,868	1/4	146,859	1/4	134,813	1/4	122,737	1/4	110,662	1/4	98,586	1/4	86,509	
1/2	1/2	1/2	1/2	1/2	169,788	1/2	158,618	1/2	146,609	1/2	134,561	1/2	122,486	1/2	110,410	1/2	98,334	1/2	86,258	
3/4	3/4	3/4	3/4	3/4	169,645	3/4	158,367	3/4	146,359	3/4	134,310	3/4	122,234	3/4	110,158	3/4	98,083	3/4	86,006	
3		3		3	169,502	3	158,117	3	146,109	3	134,058	3	121,983	3	109,907	3	97,831	3	85,754	
1/4	1/4	1/4	1/4	1/4	169,359	1/4	157,867	1/4	145,858	1/4	133,807	1/4	121,731	1/4	109,655	1/4	97,580	1/4	85,503	
1/2	1/2	1/2	1/2	1/2	169,216	1/2	157,617	1/2	145,608	1/2	133,555	1/2	121,479	1/2	109,404	1/2	97,328	1/2	85,251	
3/4	3/4	3/4	3/4	3/4	169,031	3/4	157,367	3/4	145,358	3/4	133,303	3/4	121,228	3/4	109,152	3/4	97,076	3/4	84,999	
4		4		4	168,846	4	157,116	4	145,108	4	133,052	4	120,976	4	108,901	4	96,825	4	84,748	
1/4	1/4	1/4	1/4	1/4	168,661	1/4	156,866	1/4	144,858	1/4	132,800	1/4	120,725	1/4	108,649	1/4	96,573	1/4	84,496	
1/2	1/2	1/2	1/2	1/2	168,476	1/2	156,616	1/2	144,608	1/2	132,549	1/2	120,473	1/2	108,397	1/2	96,322	1/2	84,245	
3/4	3/4	3/4	3/4	3/4	168,249	3/4	156,366	3/4	144,357	3/4	132,297	3/4	120,221	3/4	108,146	3/4	96,070	3/4	83,993	
5		5		5	168,022	5	156,116	5	144,107	5	132,046	5	119,970	5	107,894	5	95,819	5	83,741	
1/4	1/4	1/4	1/4	1/4	167,795	1/4	155,866	1/4	143,857	1/4	131,794	1/4	119,718	1/4	107,643	1/4	95,567	1/4	83,490	
1/2	1/2	1/2	1/2	1/2	167,568	1/2	155,615	1/2	143,607	1/2	131,542	1/2	119,467	1/2	107,391	1/2	95,315	1/2	83,238	
3/4	3/4	3/4	3/4	3/4	167,321	3/4	155,365	3/4	143,357	3/4	131,291	3/4	119,215	3/4	107,140	3/4	95,064	3/4	82,986	
6		6		6	167,073	6	155,115	6	143,107	6	131,039	6	118,964	6	106,888	6	94,812	6	82,735	
1/4	1/4	1/4	1/4	1/4	166,825	1/4	154,865	1/4	142,856	1/4	130,788	1/4	118,712	1/4	106,636	1/4	94,561	1/4	82,483	
1/2	1/2	1/2	1/2	1/2	166,577	1/2	154,615	1/2	142,606	1/2	130,536	1/2	118,460	1/2	106,385	1/2	94,309	1/2	82,232	
3/4	3/4	3/4	3/4	3/4	166,329	3/4	154,365	3/4	142,356	3/4	130,285	3/4	118,209	3/4	106,133	3/4	94,058	3/4	81,980	
7		7		7	166,081	7	154,114	7	142,106	7	130,033	7	117,957	7	105,882	7	93,806	7	81,728	
1/4	1/4	1/4	1/4	1/4	165,833	1/4	153,864	1/4	141,856	1/4	129,781	1/4	117,706	1/4	105,630	1/4	93,554	1/4	81,477	
1/2	1/2	1/2	1/2	1/2	165,586	1/2	153,614	1/2	141,605	1/2	129,530	1/2	117,454	1/2	105,379	1/2	93,303	1/2	81,225	
3/4	3/4	3/4	3/4	3/4	165,338	3/4	153,364	3/4	141,354	3/4	129,278	3/4	117,203	3/4	105,127	3/4	93,051	3/4	80,973	
8		8		8	165,090	8	153,114	8	141,102	8	129,027	8	116,951	8	104,875	8	92,800	8	80,722	
1/4	1/4	1/4	1/4	1/4	164,842	1/4	152,863	1/4	140,851	1/4	128,775	1/4	116,699	1/4	104,624	1/4	92,548	1/4	80,470	
1/2	1/2	1/2	1/2	1/2	164,594	1/2	152,613	1/2	140,599	1/2	128,524	1/2	116,448	1/2	104,372	1/2	92,296	1/2	80,219	
3/4	3/4	3/4	3/4	3/4	164,346	3/4	152,363	3/4	140,348	3/4	128,272	3/4	116,196	3/4	104,121	3/4	92,045	3/4	79,967	
9		9		9	164,098	9	152,113	9	140,096	9	128,020	9	115,945	9	103,869	9	91,793	9	79,715	
1/4	1/4	1/4	1/4	1/4	163,850	1/4	151,863	1/4	139,844	1/4	127,769	1/4	115,693	1/4	103,617	1/4	91,542	1/4	79,464	
1/2	1/2	1/2	1/2	1/2	163,603	1/2	151,613	1/2	139,593	1/2	127,517	1/2	115,442	1/2	103,366	1/2	91,290	1/2	79,212	
3/4	3/4	3/4	3/4	3/4	163,355	3/4	151,362	3/4	139,341	3/4	127,266	3/4	115,190	3/4	103,114	3/4	91,038	3/4	78,961	
10		10		10	163,107	10	151,112	10	139,090	10	127,014	10	114,938	10	102,863	10	90,787	10	78,709	
1/4	1/4	1/4	1/4	1/4	162,859	1/4	150,862	1/4	138,838	1/4	126,762	1/4	114,687	1/4	102,611	1/4	90,535	1/4	78,457	
1/2	1/2	1/2	1/2	1/2	162,611	1/2	150,612	1/2	138,587	1/2	126,511	1/2	114,435	1/2	102,360	1/2	90,283	1/2	78,206	
3/4	3/4	3/4	3/4	3/4	162,363	3/4	150,362	3/4	138,335	3/4	126,259	3/4	114,184	3/4	102,108	3/4	90,032	3/4	77,954	
11		11		11	162,115	11	150,112	11	138,083	11	126,008	11	113,932	11	101,856	11	89,780	11	77,702	
1/4	1/4	1/4	1/4	1/4	161,868	1/4	149,861	1/4	137,832	1/4	125,756	1/4	113,681	1/4	101,605	1/4	89,529	1/4	77,451	
1/2	1/2	1/2	1/2	170,498	1/2	161,620	1/2	149,611	1/2	137,580	1/2	125,505	1/2	113,429	1/2	101,353	1/2	89,277	1/2	77,199
3/4	3/4	3/4	3/4	170,481	3/4	161,370	3/4	149,361	3/4	137,329	3/4	125,253	3/4	113,177	3/4	101,102	3/4	89,025	3/4	76,948

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 29'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1346"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	76,696	0	64,618	0	52,540	0	40,463	0	28,665	0	16,602	0	4,540	0		0		0	
1/4	76,444	1/4	64,367	1/4	52,289	1/4	40,211	1/4	28,420	1/4	16,350	1/4	4,291	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,193	1/2	64,115	1/2	52,037	1/2	39,960	1/2	28,176	1/2	16,098	1/2	4,042	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,941	3/4	63,863	3/4	51,786	3/4	39,708	3/4	27,924	3/4	15,847	3/4	3,796	3/4	3/4	3/4	3/4	3/4	3/4
1	75,689	1	63,612	1	51,534	1	39,456	1	27,672	1	15,595	1	3,549	1	1	1	1	1	1
1/4	75,438	1/4	63,360	1/4	51,282	1/4	39,205	1/4	27,421	1/4	15,344	1/4	3,302	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,186	1/2	63,109	1/2	51,031	1/2	38,953	1/2	27,169	1/2	15,092	1/2	3,056	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,935	3/4	62,857	3/4	50,779	3/4	38,701	3/4	26,918	3/4	14,840	3/4	2,826	3/4	3/4	3/4	3/4	3/4	3/4
2	74,683	2	62,605	2	50,528	2	38,450	2	26,666	2	14,589	2	2,596	2	2	2	2	2	2
1/4	74,431	1/4	62,354	1/4	50,276	1/4	38,198	1/4	26,414	1/4	14,337	1/4	2,366	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,180	1/2	62,102	1/2	50,024	1/2	37,947	1/2	26,163	1/2	14,085	1/2	2,136	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,928	3/4	61,850	3/4	49,773	3/4	37,702	3/4	25,911	3/4	13,834	3/4	1,947	3/4	3/4	3/4	3/4	3/4	3/4
3	73,677	3	61,599	3	49,521	3	37,457	3	25,660	3	13,582	3	1,759	3	3	3	3	3	3
1/4	73,425	1/4	61,347	1/4	49,269	1/4	37,213	1/4	25,408	1/4	13,331	1/4	1,570	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,173	1/2	61,096	1/2	49,018	1/2	36,968	1/2	25,156	1/2	13,079	1/2	1,381	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,922	3/4	60,844	3/4	48,766	3/4	36,724	3/4	24,905	3/4	12,827	3/4	1,234	3/4	3/4	3/4	3/4	3/4	3/4
4	72,670	4	60,592	4	48,515	4	36,480	4	24,653	4	12,576	4	1,088	4	4	4	4	4	4
1/4	72,418	1/4	60,341	1/4	48,263	1/4	36,236	1/4	24,401	1/4	12,324	1/4	941	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,167	1/2	60,089	1/2	48,011	1/2	35,991	1/2	24,150	1/2	12,073	1/2	794	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,915	3/4	59,837	3/4	47,760	3/4	35,747	3/4	23,898	3/4	11,821	3/4	689	3/4	3/4	3/4	3/4	3/4	3/4
5	71,664	5	59,586	5	47,508	5	35,503	5	23,647	5	11,569	5	584	5	5	5	5	5	5
1/4	71,412	1/4	59,334	1/4	47,256	1/4	35,259	1/4	23,395	1/4	11,318	1/4	480	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,160	1/2	59,083	1/2	47,005	1/2	35,015	1/2	23,143	1/2	11,066	1/2	375	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,909	3/4	58,831	3/4	46,753	3/4	34,770	3/4	22,892	3/4	10,815	3/4	312	3/4	3/4	3/4	3/4	3/4	3/4
6	70,657	6	58,579	6	46,502	6	34,526	6	22,640	6	10,563	6	249	6	6	6	6	6	6
1/4	70,405	1/4	58,328	1/4	46,250	1/4	34,282	1/4	22,389	1/4	10,311	1/4	186	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,154	1/2	58,076	1/2	45,998	1/2	34,038	1/2	22,137	1/2	10,060	1/2	123	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,902	3/4	57,824	3/4	45,747	3/4	33,794	3/4	21,885	3/4	9,808	3/4	102	3/4	3/4	3/4	3/4	3/4	3/4
7	69,651	7	57,573	7	45,495	7	33,549	7	21,634	7	9,556	7	81	7	7	7	7	7	7
1/4	69,399	1/4	57,321	1/4	45,244	1/4	33,305	1/4	21,382	1/4	9,305	1/4	60	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,147	1/2	57,070	1/2	44,992	1/2	33,061	1/2	21,131	1/2	9,053	1/2	39	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,896	3/4	56,818	3/4	44,740	3/4	32,817	3/4	20,879	3/4	8,802	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	68,644	8	56,566	8	44,489	8	32,573	8	20,627	8	8,550	8		8	8	8	8	8	8
1/4	68,393	1/4	56,315	1/4	44,237	1/4	32,328	1/4	20,376	1/4	8,298	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,141	1/2	56,063	1/2	43,985	1/2	32,084	1/2	20,124	1/2	8,047	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,889	3/4	55,812	3/4	43,734	3/4	31,840	3/4	19,873	3/4	7,796	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	67,638	9	55,560	9	43,482	9	31,596	9	19,621	9	7,544	9		9	9	9	9	9	9
1/4	67,386	1/4	55,308	1/4	43,231	1/4	31,352	1/4	19,369	1/4	7,293	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,134	1/2	55,057	1/2	42,979	1/2	31,107	1/2	19,118	1/2	7,041	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,883	3/4	54,805	3/4	42,727	3/4	30,863	3/4	18,866	3/4	6,790	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	66,631	10	54,553	10	42,476	10	30,619	10	18,614	10	6,540	10		10	10	10	10	10	10
1/4	66,380	1/4	54,302	1/4	42,224	1/4	30,375	1/4	18,363	1/4	6,289	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,128	1/2	54,050	1/2	41,972	1/2	30,131	1/2	18,111	1/2	6,038	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,876	3/4	53,799	3/4	41,721	3/4	29,886	3/4	17,860	3/4	5,788	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	65,625	11	53,547	11	41,469	11	29,642	11	17,608	11	5,538	11		11	11	11	11	11	11
1/4	65,373	1/4	53,295	1/4	41,218	1/4	29,398	1/4	17,356	1/4	5,288	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,121	1/2	53,044	1/2	40,966	1/2	29,154	1/2	17,105	1/2	5,037	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,870	3/4	52,792	3/4	40,714	3/4	28,909	3/4	16,853	3/4	4,789	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2012 CL - SW
CALCULATED: 04/20/2012 CL
PRINTED: 04/20/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2012

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



BARGE "CBC 1346"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	151,342	0	143,265	0	132,621	0	121,956	0	111,253	0	100,550	0	89,847	0	79,144
1/4	1/4	1/4	1/4	1/4	151,326	1/4	143,044	1/4	132,399	1/4	121,733	1/4	111,030	1/4	100,327	1/4	89,624	1/4	78,921
1/2	1/2	1/2	1/2	1/2	151,311	1/2	142,822	1/2	132,178	1/2	121,510	1/2	110,807	1/2	100,104	1/2	89,401	1/2	78,698
3/4	3/4	3/4	3/4	3/4	151,296	3/4	142,600	3/4	131,956	3/4	121,287	3/4	110,584	3/4	99,881	3/4	89,179	3/4	78,475
1		1		1	151,243	1	142,378	1	131,734	1	121,064	1	110,361	1	99,658	1	88,956	1	78,252
1/4	1/4	1/4	1/4	1/4	151,191	1/4	142,157	1/4	131,512	1/4	120,841	1/4	110,138	1/4	99,435	1/4	88,733	1/4	78,029
1/2	1/2	1/2	1/2	1/2	151,138	1/2	141,935	1/2	131,291	1/2	120,618	1/2	109,915	1/2	99,213	1/2	88,510	1/2	77,806
3/4	3/4	3/4	3/4	3/4	151,086	3/4	141,713	3/4	131,069	3/4	120,395	3/4	109,692	3/4	98,990	3/4	88,287	3/4	77,583
2		2		2	150,996	2	141,491	2	130,847	2	120,172	2	109,469	2	98,767	2	88,064	2	77,360
1/4	1/4	1/4	1/4	1/4	150,907	1/4	141,270	1/4	130,625	1/4	119,949	1/4	109,246	1/4	98,544	1/4	87,841	1/4	77,137
1/2	1/2	1/2	1/2	1/2	150,817	1/2	141,048	1/2	130,404	1/2	119,726	1/2	109,024	1/2	98,321	1/2	87,618	1/2	76,914
3/4	3/4	3/4	3/4	3/4	150,728	3/4	140,826	3/4	130,182	3/4	119,503	3/4	108,801	3/4	98,098	3/4	87,395	3/4	76,691
3		3		3	150,601	3	140,604	3	129,960	3	119,280	3	108,578	3	97,875	3	87,172	3	76,468
1/4	1/4	1/4	1/4	1/4	150,474	1/4	140,383	1/4	129,738	1/4	119,058	1/4	108,355	1/4	97,652	1/4	86,949	1/4	76,245
1/2	1/2	1/2	1/2	1/2	150,347	1/2	140,161	1/2	129,517	1/2	118,835	1/2	108,132	1/2	97,429	1/2	86,726	1/2	76,022
3/4	3/4	3/4	3/4	3/4	150,220	3/4	139,939	3/4	129,295	3/4	118,612	3/4	107,909	3/4	97,206	3/4	86,503	3/4	75,799
4		4		4	150,057	4	139,717	4	129,073	4	118,389	4	107,686	4	96,983	4	86,280	4	75,576
1/4	1/4	1/4	1/4	1/4	149,893	1/4	139,496	1/4	128,851	1/4	118,166	1/4	107,463	1/4	96,760	1/4	86,057	1/4	75,353
1/2	1/2	1/2	1/2	1/2	149,729	1/2	139,274	1/2	128,630	1/2	117,943	1/2	107,240	1/2	96,537	1/2	85,834	1/2	75,130
3/4	3/4	3/4	3/4	3/4	149,565	3/4	139,052	3/4	128,408	3/4	117,720	3/4	107,017	3/4	96,314	3/4	85,611	3/4	74,907
5		5		5	149,364	5	138,830	5	128,186	5	117,497	5	106,794	5	96,091	5	85,388	5	74,684
1/4	1/4	1/4	1/4	1/4	149,162	1/4	138,609	1/4	127,964	1/4	117,274	1/4	106,571	1/4	95,868	1/4	85,165	1/4	74,461
1/2	1/2	1/2	1/2	1/2	148,961	1/2	138,387	1/2	127,743	1/2	117,051	1/2	106,348	1/2	95,645	1/2	84,942	1/2	74,238
3/4	3/4	3/4	3/4	3/4	148,760	3/4	138,165	3/4	127,521	3/4	116,828	3/4	106,125	3/4	95,422	3/4	84,719	3/4	74,015
6		6		6	148,540	6	137,943	6	127,299	6	116,605	6	105,902	6	95,199	6	84,496	6	73,792
1/4	1/4	1/4	1/4	1/4	148,321	1/4	137,722	1/4	127,077	1/4	116,382	1/4	105,679	1/4	94,976	1/4	84,273	1/4	73,568
1/2	1/2	1/2	1/2	1/2	148,101	1/2	137,500	1/2	126,856	1/2	116,159	1/2	105,456	1/2	94,753	1/2	84,050	1/2	73,345
3/4	3/4	3/4	3/4	3/4	147,881	3/4	137,278	3/4	126,634	3/4	115,936	3/4	105,233	3/4	94,530	3/4	83,827	3/4	73,122
7		7		7	147,662	7	137,056	7	126,412	7	115,713	7	105,010	7	94,307	7	83,604	7	72,899
1/4	1/4	1/4	1/4	1/4	147,442	1/4	136,835	1/4	126,190	1/4	115,490	1/4	104,787	1/4	94,084	1/4	83,381	1/4	72,676
1/2	1/2	1/2	1/2	1/2	147,222	1/2	136,613	1/2	125,969	1/2	115,267	1/2	104,564	1/2	93,861	1/2	83,158	1/2	72,453
3/4	3/4	3/4	3/4	3/4	147,003	3/4	136,391	3/4	125,747	3/4	115,044	3/4	104,341	3/4	93,638	3/4	82,935	3/4	72,230
8		8		8	146,783	8	136,169	8	125,524	8	114,821	8	104,118	8	93,415	8	82,712	8	72,007
1/4	1/4	1/4	1/4	1/4	146,563	1/4	135,948	1/4	125,301	1/4	114,598	1/4	103,895	1/4	93,192	1/4	82,489	1/4	71,784
1/2	1/2	1/2	1/2	1/2	146,343	1/2	135,726	1/2	125,078	1/2	114,375	1/2	103,672	1/2	92,969	1/2	82,266	1/2	71,561
3/4	3/4	3/4	3/4	3/4	146,124	3/4	135,504	3/4	124,855	3/4	114,152	3/4	103,449	3/4	92,746	3/4	82,043	3/4	71,338
9		9		9	145,904	9	135,282	9	124,632	9	113,929	9	103,226	9	92,523	9	81,820	9	71,115
1/4	1/4	1/4	1/4	1/4	145,684	1/4	135,061	1/4	124,409	1/4	113,706	1/4	103,003	1/4	92,300	1/4	81,597	1/4	70,892
1/2	1/2	1/2	1/2	1/2	145,465	1/2	134,839	1/2	124,186	1/2	113,483	1/2	102,780	1/2	92,077	1/2	81,374	1/2	70,669
3/4	3/4	3/4	3/4	3/4	145,245	3/4	134,617	3/4	123,963	3/4	113,260	3/4	102,557	3/4	91,854	3/4	81,151	3/4	70,446
10		10		10	145,025	10	134,395	10	123,740	10	113,037	10	102,334	10	91,631	10	80,928	10	70,223
1/4	1/4	1/4	1/4	1/4	144,805	1/4	134,174	1/4	123,517	1/4	112,814	1/4	102,111	1/4	91,408	1/4	80,705	1/4	70,000
1/2	1/2	1/2	1/2	1/2	144,586	1/2	133,952	1/2	123,294	1/2	112,591	1/2	101,888	1/2	91,185	1/2	80,482	1/2	69,777
3/4	3/4	3/4	3/4	3/4	144,366	3/4	133,730	3/4	123,071	3/4	112,368	3/4	101,665	3/4	90,962	3/4	80,259	3/4	69,554
11		11		11	144,146	11	133,508	11	122,848	11	112,145	11	101,442	11	90,739	11	80,036	11	69,331
1/4	1/4	1/4	1/4	1/4	143,927	1/4	133,287	1/4	122,625	1/4	111,922	1/4	101,219	1/4	90,516	1/4	79,813	1/4	69,108
1/2	1/2	1/2	1/2	1/2	143,707	1/2	133,065	1/2	122,402	1/2	111,699	1/2	100,996	1/2	90,293	1/2	79,590	1/2	68,885
3/4	3/4	3/4	3/4	3/4	151,357	3/4	143,487	3/4	132,843	3/4	122,179	3/4	111,476	3/4	100,773	3/4	79,367	3/4	68,662

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 23'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1346"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	68,439	0	57,734	0	47,030	0	36,325	0	25,643	0	14,942	0	4,249	0		0		0	
1/4	68,216	1/4	57,511	1/4	46,807	1/4	36,102	1/4	25,421	1/4	14,719	1/4	4,028	1/4	1/4	1/4		1/4	1/4
1/2	67,993	1/2	57,288	1/2	46,584	1/2	35,879	1/2	25,198	1/2	14,496	1/2	3,808	1/2	1/2	1/2		1/2	1/2
3/4	67,770	3/4	57,065	3/4	46,361	3/4	35,656	3/4	24,976	3/4	14,273	3/4	3,587	3/4	3/4	3/4		3/4	3/4
1	67,547	1	56,842	1	46,138	1	35,433	1	24,753	1	14,050	1	3,369	1	1	1		1	1
1/4	67,324	1/4	56,619	1/4	45,915	1/4	35,210	1/4	24,530	1/4	13,827	1/4	3,150	1/4	1/4	1/4		1/4	1/4
1/2	67,101	1/2	56,396	1/2	45,692	1/2	34,987	1/2	24,308	1/2	13,604	1/2	2,931	1/2	1/2	1/2		1/2	1/2
3/4	66,878	3/4	56,173	3/4	45,469	3/4	34,764	3/4	24,085	3/4	13,381	3/4	2,713	3/4	3/4	3/4		3/4	3/4
2	66,655	2	55,950	2	45,246	2	34,541	2	23,862	2	13,158	2	2,509	2	2	2		2	2
1/4	66,432	1/4	55,727	1/4	45,023	1/4	34,318	1/4	23,639	1/4	12,935	1/4	2,305	1/4	1/4	1/4		1/4	1/4
1/2	66,209	1/2	55,504	1/2	44,800	1/2	34,095	1/2	23,416	1/2	12,712	1/2	2,101	1/2	1/2	1/2		1/2	1/2
3/4	65,986	3/4	55,281	3/4	44,576	3/4	33,872	3/4	23,193	3/4	12,489	3/4	1,898	3/4	3/4	3/4		3/4	3/4
3	65,763	3	55,058	3	44,353	3	33,649	3	22,970	3	12,266	3	1,730	3	3	3		3	3
1/4	65,540	1/4	54,835	1/4	44,130	1/4	33,426	1/4	22,747	1/4	12,043	1/4	1,563	1/4	1/4	1/4		1/4	1/4
1/2	65,317	1/2	54,612	1/2	43,907	1/2	33,203	1/2	22,524	1/2	11,820	1/2	1,396	1/2	1/2	1/2		1/2	1/2
3/4	65,094	3/4	54,389	3/4	43,684	3/4	32,980	3/4	22,301	3/4	11,597	3/4	1,229	3/4	3/4	3/4		3/4	3/4
4	64,871	4	54,166	4	43,461	4	32,757	4	22,078	4	11,374	4	1,098	4	4	4		4	4
1/4	64,648	1/4	53,943	1/4	43,238	1/4	32,535	1/4	21,855	1/4	11,151	1/4	968	1/4	1/4	1/4		1/4	1/4
1/2	64,425	1/2	53,720	1/2	43,015	1/2	32,313	1/2	21,632	1/2	10,928	1/2	838	1/2	1/2	1/2		1/2	1/2
3/4	64,202	3/4	53,497	3/4	42,792	3/4	32,090	3/4	21,409	3/4	10,705	3/4	708	3/4	3/4	3/4		3/4	3/4
5	63,979	5	53,274	5	42,569	5	31,868	5	21,186	5	10,482	5	615	5	5	5		5	5
1/4	63,756	1/4	53,051	1/4	42,346	1/4	31,646	1/4	20,963	1/4	10,259	1/4	522	1/4	1/4	1/4		1/4	1/4
1/2	63,533	1/2	52,828	1/2	42,123	1/2	31,424	1/2	20,740	1/2	10,036	1/2	429	1/2	1/2	1/2		1/2	1/2
3/4	63,310	3/4	52,605	3/4	41,900	3/4	31,201	3/4	20,517	3/4	9,812	3/4	337	3/4	3/4	3/4		3/4	3/4
6	63,087	6	52,382	6	41,677	6	30,979	6	20,294	6	9,589	6	281	6	6	6		6	6
1/4	62,864	1/4	52,159	1/4	41,454	1/4	30,757	1/4	20,071	1/4	9,366	1/4	225	1/4	1/4	1/4		1/4	1/4
1/2	62,641	1/2	51,936	1/2	41,231	1/2	30,534	1/2	19,848	1/2	9,143	1/2	169	1/2	1/2	1/2		1/2	1/2
3/4	62,418	3/4	51,713	3/4	41,008	3/4	30,312	3/4	19,625	3/4	8,920	3/4	114	3/4	3/4	3/4		3/4	3/4
7	62,195	7	51,490	7	40,785	7	30,090	7	19,402	7	8,697	7	95	7	7	7		7	7
1/4	61,972	1/4	51,267	1/4	40,562	1/4	29,868	1/4	19,179	1/4	8,474	1/4	76	1/4	1/4	1/4		1/4	1/4
1/2	61,749	1/2	51,044	1/2	40,339	1/2	29,645	1/2	18,956	1/2	8,251	1/2	58	1/2	1/2	1/2		1/2	1/2
3/4	61,526	3/4	50,821	3/4	40,116	3/4	29,423	3/4	18,733	3/4	8,028	3/4	39	3/4	3/4	3/4		3/4	3/4
8	61,303	8	50,598	8	39,893	8	29,201	8	18,510	8	7,805	8		8	8	8		8	8
1/4	61,080	1/4	50,375	1/4	39,670	1/4	28,978	1/4	18,287	1/4	7,582	1/4		1/4	1/4	1/4		1/4	1/4
1/2	60,857	1/2	50,152	1/2	39,447	1/2	28,756	1/2	18,064	1/2	7,359	1/2		1/2	1/2	1/2		1/2	1/2
3/4	60,634	3/4	49,929	3/4	39,224	3/4	28,534	3/4	17,841	3/4	7,136	3/4		3/4	3/4	3/4		3/4	3/4
9	60,411	9	49,706	9	39,001	9	28,311	9	17,618	9	6,914	9		9	9	9		9	9
1/4	60,188	1/4	49,483	1/4	38,778	1/4	28,089	1/4	17,395	1/4	6,691	1/4		1/4	1/4	1/4		1/4	1/4
1/2	59,965	1/2	49,260	1/2	38,555	1/2	27,867	1/2	17,172	1/2	6,468	1/2		1/2	1/2	1/2		1/2	1/2
3/4	59,742	3/4	49,037	3/4	38,332	3/4	27,645	3/4	16,949	3/4	6,245	3/4		3/4	3/4	3/4		3/4	3/4
10	59,519	10	48,814	10	38,109	10	27,422	10	16,726	10	6,023	10		10	10	10		10	10
1/4	59,296	1/4	48,591	1/4	37,886	1/4	27,200	1/4	16,503	1/4	5,801	1/4		1/4	1/4	1/4		1/4	1/4
1/2	59,072	1/2	48,368	1/2	37,663	1/2	26,978	1/2	16,280	1/2	5,578	1/2		1/2	1/2	1/2		1/2	1/2
3/4	58,849	3/4	48,145	3/4	37,440	3/4	26,755	3/4	16,057	3/4	5,356	3/4		3/4	3/4	3/4		3/4	3/4
11	58,626	11	47,922	11	37,217	11	26,533	11	15,834	11	5,134	11		11	11	11		11	11
1/4	58,403	1/4	47,699	1/4	36,994	1/4	26,311	1/4	15,611	1/4	4,912	1/4		1/4	1/4	1/4		1/4	1/4
1/2	58,180	1/2	47,476	1/2	36,771	1/2	26,088	1/2	15,388	1/2	4,691	1/2		1/2	1/2	1/2		1/2	1/2
3/4	57,957	3/4	47,253	3/4	36,548	3/4	25,866	3/4	15,165	3/4	4,469	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2012 CL - SW
CALCULATED: 04/20/2012 CL
PRINTED: 04/20/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2012

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