



BARGE "CBC 1348"

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	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
2 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
3 CENTER	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 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"

June 5, 2012

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

<http://www.pmacorp.net>



BARGE "CBC 1348"

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	104,752	0	114,856	0	124,319	0	133,740	0	143,145	0		0		0		0		0	
1/4	104,976	1/4	115,053	1/4	124,516	1/4	133,937	1/4	143,340	1/4		1/4		1/4		1/4		1/4	
1/2	105,200	1/2	115,250	1/2	124,712	1/2	134,134	1/2	143,534	1/2		1/2		1/2		1/2		1/2	
3/4	105,424	3/4	115,447	3/4	124,909	3/4	134,330	3/4	143,729	3/4		3/4		3/4		3/4		3/4	
1	105,648	1	115,645	1	125,106	1	134,527	1	143,923	1		1		1		1		1	
1/4	105,872	1/4	115,842	1/4	125,302	1/4	134,723	1/4	144,118	1/4		1/4		1/4		1/4		1/4	
1/2	106,096	1/2	116,039	1/2	125,499	1/2	134,920	1/2	144,312	1/2		1/2		1/2		1/2		1/2	
3/4	106,320	3/4	116,236	3/4	125,696	3/4	135,117	3/4	144,507	3/4		3/4		3/4		3/4		3/4	
2	106,544	2	116,433	2	125,892	2	135,313	2	144,702	2		2		2		2		2	
1/4	106,768	1/4	116,630	1/4	126,089	1/4	135,510	1/4	144,905	1/4		1/4		1/4		1/4		1/4	
1/2	106,992	1/2	116,828	1/2	126,285	1/2	135,707	1/2	145,108	1/2		1/2		1/2		1/2		1/2	
3/4	107,217	3/4	117,025	3/4	126,482	3/4	135,903	3/4	145,312	3/4		3/4		3/4		3/4		3/4	
3	107,441	3	117,222	3	126,679	3	136,100	3	145,515	3		3		3		3		3	
1/4	107,665	1/4	117,419	1/4	126,875	1/4	136,296	1/4	145,681	1/4		1/4		1/4		1/4		1/4	
1/2	107,889	1/2	117,616	1/2	127,072	1/2	136,493	1/2	145,847	1/2		1/2		1/2		1/2		1/2	
3/4	108,113	3/4	117,813	3/4	127,269	3/4	136,690	3/4	146,013	3/4		3/4		3/4		3/4		3/4	
4	108,337	4	118,010	4	127,465	4	136,886	4	146,179	4		4		4		4		4	
1/4	108,561	1/4	118,208	1/4	127,662	1/4	137,083	1/4	146,308	1/4		1/4		1/4		1/4		1/4	
1/2	108,785	1/2	118,405	1/2	127,858	1/2	137,280	1/2	146,436	1/2		1/2		1/2		1/2		1/2	
3/4	109,009	3/4	118,602	3/4	128,055	3/4	137,476	3/4	146,565	3/4		3/4		3/4		3/4		3/4	
5	109,233	5	118,799	5	128,252	5	137,673	5	146,693	5		5		5		5		5	
1/4	109,457	1/4	118,996	1/4	128,448	1/4	137,869	1/4	146,784	1/4		1/4		1/4		1/4		1/4	
1/2	109,681	1/2	119,193	1/2	128,645	1/2	138,066	1/2	146,875	1/2		1/2		1/2		1/2		1/2	
3/4	109,906	3/4	119,390	3/4	128,842	3/4	138,263	3/4	146,966	3/4		3/4		3/4		3/4		3/4	
6	110,130	6	119,588	6	129,038	6	138,459	6	147,057	6		6		6		6		6	
1/4	110,327	1/4	119,785	1/4	129,234	1/4	138,656	1/4	147,111	1/4		1/4		1/4		1/4		1/4	
1/2	110,524	1/2	119,982	1/2	129,430	1/2	138,853	1/2	147,165	1/2		1/2		1/2		1/2		1/2	
3/4	110,720	3/4	120,179	3/4	129,626	3/4	139,049	3/4	147,218	3/4		3/4		3/4		3/4		3/4	
7	110,917	7	120,376	7	129,822	7	139,246	7	147,272	7		7		7		7		7	
1/4	111,114	1/4	120,573	1/4	130,018	1/4	139,442	1/4	147,288	1/4		1/4		1/4		1/4		1/4	
1/2	111,311	1/2	120,771	1/2	130,214	1/2	139,639	1/2	147,304	1/2		1/2		1/2		1/2		1/2	
3/4	111,508	3/4	120,968	3/4	130,410	3/4	139,836	3/4	147,320	3/4		3/4		3/4		3/4		3/4	
8	111,705	8	121,165	8	130,606	8	140,032	8	147,336	8		8		8		8		8	
1/4	111,902	1/4	121,362	1/4	130,801	1/4	140,227	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,099	1/2	121,559	1/2	130,997	1/2	140,421	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,296	3/4	121,756	3/4	131,193	3/4	140,616	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,493	9	121,953	9	131,389	9	140,811	9		9		9		9		9		9	
1/4	112,690	1/4	122,151	1/4	131,585	1/4	141,005	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,887	1/2	122,348	1/2	131,781	1/2	141,200	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,084	3/4	122,545	3/4	131,977	3/4	141,394	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,281	10	122,742	10	132,173	10	141,589	10		10		10		10		10		10	
1/4	113,478	1/4	122,939	1/4	132,369	1/4	141,783	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,674	1/2	123,136	1/2	132,565	1/2	141,978	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,871	3/4	123,333	3/4	132,761	3/4	142,172	3/4		3/4		3/4		3/4		3/4		3/4	
11	114,068	11	123,531	11	132,957	11	142,367	11		11		11		11		11		11	
1/4	114,265	1/4	123,728	1/4	133,153	1/4	142,561	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,462	1/2	123,925	1/2	133,348	1/2	142,756	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,659	3/4	124,122	3/4	133,544	3/4	142,951	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/05/2012 CL - SW
CALCULATED: 06/05/2012 CL
PRINTED: 06/05/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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



BARGE "CBC 1348"

2 CENTER
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

Table with 19 columns (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.) and multiple rows of capacity data.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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





BARGE "CBC 1348"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	117,413	0	129,485	0	141,556	0	153,561	0	165,528	0		0		0		0		0	
1/4	117,665	1/4	129,736	1/4	141,806	1/4	153,811	1/4	165,776	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	117,916	1/2	129,988	1/2	142,056	1/2	154,061	1/2	166,024	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	118,168	3/4	130,239	3/4	142,307	3/4	154,311	3/4	166,271	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	118,419	1	130,491	1	142,557	1	154,561	1	166,519	1	1	1	1	1	1	1	1	1	1
1/4	118,671	1/4	130,742	1/4	142,807	1/4	154,811	1/4	166,767	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,922	1/2	130,994	1/2	143,057	1/2	155,061	1/2	167,015	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,174	3/4	131,245	3/4	143,307	3/4	155,311	3/4	167,262	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	119,425	2	131,497	2	143,557	2	155,561	2	167,510	2	2	2	2	2	2	2	2	2	2
1/4	119,677	1/4	131,748	1/4	143,807	1/4	155,811	1/4	167,737	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,928	1/2	132,000	1/2	144,057	1/2	156,062	1/2	167,964	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	120,180	3/4	132,251	3/4	144,307	3/4	156,312	3/4	168,191	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	120,431	3	132,503	3	144,557	3	156,562	3	168,417	3	3	3	3	3	3	3	3	3	3
1/4	120,683	1/4	132,754	1/4	144,807	1/4	156,812	1/4	168,602	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	120,934	1/2	133,006	1/2	145,058	1/2	157,062	1/2	168,787	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	121,186	3/4	133,257	3/4	145,308	3/4	157,312	3/4	168,972	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	121,437	4	133,509	4	145,558	4	157,562	4	169,157	4	4	4	4	4	4	4	4	4	4
1/4	121,689	1/4	133,760	1/4	145,808	1/4	157,812	1/4	169,300	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	121,940	1/2	134,012	1/2	146,058	1/2	158,062	1/2	169,443	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	122,192	3/4	134,263	3/4	146,308	3/4	158,312	3/4	169,586	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	122,443	5	134,515	5	146,558	5	158,562	5	169,729	5	5	5	5	5	5	5	5	5	5
1/4	122,695	1/4	134,766	1/4	146,808	1/4	158,813	1/4	169,830	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	122,946	1/2	135,018	1/2	147,058	1/2	159,063	1/2	169,931	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	123,198	3/4	135,269	3/4	147,308	3/4	159,313	3/4	170,032	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	123,449	6	135,521	6	147,558	6	159,563	6	170,133	6	6	6	6	6	6	6	6	6	6
1/4	123,701	1/4	135,772	1/4	147,809	1/4	159,813	1/4	170,192	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	123,952	1/2	136,024	1/2	148,059	1/2	160,063	1/2	170,251	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	124,204	3/4	136,275	3/4	148,309	3/4	160,313	3/4	170,311	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	124,455	7	136,526	7	148,559	7	160,563	7	170,370	7	7	7	7	7	7	7	7	7	7
1/4	124,707	1/4	136,778	1/4	148,809	1/4	160,813	1/4	170,387	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	124,958	1/2	137,029	1/2	149,059	1/2	161,063	1/2	170,404	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	125,209	3/4	137,281	3/4	149,309	3/4	161,313	3/4	170,421	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	125,461	8	137,532	8	149,559	8	161,564	8	170,439	8	8	8	8	8	8	8	8	8	8
1/4	125,712	1/4	137,784	1/4	149,809	1/4	161,811	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	125,964	1/2	138,035	1/2	150,059	1/2	162,059	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	126,215	3/4	138,287	3/4	150,309	3/4	162,307	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	126,467	9	138,538	9	150,560	9	162,555	9		9	9	9	9	9	9	9	9	9	9
1/4	126,718	1/4	138,790	1/4	150,810	1/4	162,802	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	126,970	1/2	139,041	1/2	151,060	1/2	163,050	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	127,221	3/4	139,293	3/4	151,310	3/4	163,298	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	127,473	10	139,544	10	151,560	10	163,546	10		10	10	10	10	10	10	10	10	10	10
1/4	127,724	1/4	139,796	1/4	151,810	1/4	163,794	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	127,976	1/2	140,047	1/2	152,060	1/2	164,041	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	128,227	3/4	140,299	3/4	152,310	3/4	164,289	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	128,479	11	140,550	11	152,560	11	164,537	11		11	11	11	11	11	11	11	11	11	11
1/4	128,730	1/4	140,802	1/4	152,810	1/4	164,785	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	128,982	1/2	141,053	1/2	153,060	1/2	165,032	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	129,233	3/4	141,305	3/4	153,311	3/4	165,280	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: 06/05/2012 CL - SW
CALCULATED: 06/05/2012 CL
PRINTED: 06/05/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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



BARGE "CBC 1348"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	104,507	0	115,227	0	125,947	0	136,608	0	147,236	0		0		0		0		0	
1/4	104,730	1/4	115,450	1/4	126,169	1/4	136,830	1/4	147,456	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	104,954	1/2	115,674	1/2	126,391	1/2	137,052	1/2	147,676	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,177	3/4	115,897	3/4	126,613	3/4	137,274	3/4	147,897	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	105,400	1	116,120	1	126,835	1	137,496	1	148,117	1	1	1	1	1	1	1	1	1	1
1/4	105,624	1/4	116,344	1/4	127,057	1/4	137,719	1/4	148,337	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,847	1/2	116,567	1/2	127,280	1/2	137,941	1/2	148,557	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,070	3/4	116,790	3/4	127,502	3/4	138,163	3/4	148,777	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	106,294	2	117,014	2	127,724	2	138,385	2	148,997	2	2	2	2	2	2	2	2	2	2
1/4	106,517	1/4	117,237	1/4	127,946	1/4	138,607	1/4	149,198	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,740	1/2	117,460	1/2	128,168	1/2	138,829	1/2	149,400	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,964	3/4	117,684	3/4	128,390	3/4	139,051	3/4	149,601	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	107,187	3	117,907	3	128,612	3	139,273	3	149,803	3	3	3	3	3	3	3	3	3	3
1/4	107,410	1/4	118,130	1/4	128,834	1/4	139,495	1/4	149,967	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	107,634	1/2	118,354	1/2	129,056	1/2	139,718	1/2	150,131	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,857	3/4	118,577	3/4	129,278	3/4	139,940	3/4	150,295	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	108,080	4	118,800	4	129,501	4	140,162	4	150,459	4	4	4	4	4	4	4	4	4	4
1/4	108,304	1/4	119,024	1/4	129,723	1/4	140,384	1/4	150,586	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	108,527	1/2	119,247	1/2	129,945	1/2	140,606	1/2	150,713	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,750	3/4	119,470	3/4	130,167	3/4	140,828	3/4	150,840	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	108,974	5	119,694	5	130,389	5	141,050	5	150,967	5	5	5	5	5	5	5	5	5	5
1/4	109,197	1/4	119,917	1/4	130,611	1/4	141,272	1/4	151,057	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,420	1/2	120,140	1/2	130,833	1/2	141,494	1/2	151,147	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,644	3/4	120,364	3/4	131,055	3/4	141,717	3/4	151,237	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	109,867	6	120,587	6	131,277	6	141,939	6	151,326	6	6	6	6	6	6	6	6	6	6
1/4	110,090	1/4	120,810	1/4	131,500	1/4	142,161	1/4	151,379	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,314	1/2	121,034	1/2	131,722	1/2	142,383	1/2	151,431	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,537	3/4	121,257	3/4	131,944	3/4	142,605	3/4	151,484	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	110,760	7	121,480	7	132,166	7	142,827	7	151,536	7	7	7	7	7	7	7	7	7	7
1/4	110,984	1/4	121,704	1/4	132,388	1/4	143,049	1/4	151,552	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,207	1/2	121,927	1/2	132,610	1/2	143,271	1/2	151,567	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,430	3/4	122,150	3/4	132,832	3/4	143,493	3/4	151,582	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	111,654	8	122,374	8	133,054	8	143,715	8	151,598	8	8	8	8	8	8	8	8	8	8
1/4	111,877	1/4	122,597	1/4	133,276	1/4	143,936	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,100	1/2	122,820	1/2	133,499	1/2	144,156	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,324	3/4	123,044	3/4	133,721	3/4	144,376	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	112,547	9	123,267	9	133,943	9	144,596	9		9	9	9	9	9	9	9	9	9	9
1/4	112,770	1/4	123,490	1/4	134,165	1/4	144,816	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,994	1/2	123,714	1/2	134,387	1/2	145,036	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,217	3/4	123,937	3/4	134,609	3/4	145,256	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	113,440	10	124,160	10	134,831	10	145,476	10		10	10	10	10	10	10	10	10	10	10
1/4	113,664	1/4	124,384	1/4	135,053	1/4	145,696	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,887	1/2	124,607	1/2	135,275	1/2	145,916	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,110	3/4	124,830	3/4	135,497	3/4	146,136	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	114,334	11	125,054	11	135,720	11	146,356	11		11	11	11	11	11	11	11	11	11	11
1/4	114,557	1/4	125,277	1/4	135,942	1/4	146,576	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,780	1/2	125,500	1/2	136,164	1/2	146,796	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	115,004	3/4	125,724	3/4	136,386	3/4	147,016	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: 06/05/2012 CL - SW
CALCULATED: 06/05/2012 CL
PRINTED: 06/05/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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



BARGE "CBC 1348"

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	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
2 CENTER	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
3 CENTER	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-3/8	01-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 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"

June 5, 2012

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

<http://www.pmacorp.net>



BARGE "CBC 1348"

1 CENTER ULLAGE 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	0	0	147,304	0	139,639	0	130,214	0	120,771	0	111,311	0	100,714	0	89,945	0	79,177		
1/4	1/4	1/4	147,288	1/4	139,442	1/4	130,018	1/4	120,573	1/4	111,114	1/4	100,489	1/4	89,721	1/4	78,952		
1/2	1/2	1/2	147,272	1/2	139,246	1/2	129,822	1/2	120,376	1/2	110,917	1/2	100,265	1/2	89,497	1/2	78,728		
3/4	3/4	3/4	147,218	3/4	139,049	3/4	129,626	3/4	120,179	3/4	110,720	3/4	100,041	3/4	89,272	3/4	78,504		
1	1	1	147,165	1	138,853	1	129,430	1	119,982	1	110,524	1	99,816	1	89,048	1	78,279		
1/4	1/4	1/4	147,111	1/4	138,656	1/4	129,234	1/4	119,785	1/4	110,327	1/4	99,592	1/4	88,824	1/4	78,055		
1/2	1/2	1/2	147,057	1/2	138,459	1/2	129,038	1/2	119,588	1/2	110,130	1/2	99,368	1/2	88,599	1/2	77,831		
3/4	3/4	3/4	146,966	3/4	138,263	3/4	128,842	3/4	119,390	3/4	109,906	3/4	99,143	3/4	88,375	3/4	77,606		
2	2	2	146,875	2	138,066	2	128,645	2	119,193	2	109,681	2	98,919	2	88,151	2	77,382		
1/4	1/4	1/4	146,784	1/4	137,869	1/4	128,448	1/4	118,996	1/4	109,457	1/4	98,695	1/4	87,926	1/4	77,157		
1/2	1/2	1/2	146,693	1/2	137,673	1/2	128,252	1/2	118,799	1/2	109,233	1/2	98,470	1/2	87,702	1/2	76,933		
3/4	3/4	3/4	146,565	3/4	137,476	3/4	128,055	3/4	118,602	3/4	109,009	3/4	98,246	3/4	87,478	3/4	76,709		
3	3	3	146,436	3	137,280	3	127,858	3	118,405	3	108,785	3	98,022	3	87,253	3	76,486		
1/4	1/4	1/4	146,308	1/4	137,083	1/4	127,662	1/4	118,208	1/4	108,561	1/4	97,797	1/4	87,029	1/4	76,262		
1/2	1/2	1/2	146,179	1/2	136,886	1/2	127,465	1/2	118,010	1/2	108,337	1/2	97,573	1/2	86,805	1/2	76,039		
3/4	3/4	3/4	146,013	3/4	136,690	3/4	127,269	3/4	117,813	3/4	108,113	3/4	97,349	3/4	86,580	3/4	75,816		
4	4	4	145,847	4	136,493	4	127,072	4	117,616	4	107,889	4	97,124	4	86,356	4	75,593		
1/4	1/4	1/4	145,681	1/4	136,296	1/4	126,875	1/4	117,419	1/4	107,665	1/4	96,900	1/4	86,132	1/4	75,370		
1/2	1/2	1/2	145,515	1/2	136,100	1/2	126,679	1/2	117,222	1/2	107,441	1/2	96,675	1/2	85,907	1/2	75,147		
3/4	3/4	3/4	145,312	3/4	135,903	3/4	126,482	3/4	117,025	3/4	107,217	3/4	96,451	3/4	85,683	3/4	74,924		
5	5	5	145,108	5	135,707	5	126,285	5	116,828	5	106,992	5	96,227	5	85,459	5	74,701		
1/4	1/4	1/4	144,905	1/4	135,510	1/4	126,089	1/4	116,630	1/4	106,768	1/4	96,002	1/4	85,234	1/4	74,478		
1/2	1/2	1/2	144,702	1/2	135,313	1/2	125,892	1/2	116,433	1/2	106,544	1/2	95,778	1/2	85,010	1/2	74,255		
3/4	3/4	3/4	144,507	3/4	135,117	3/4	125,696	3/4	116,236	3/4	106,320	3/4	95,554	3/4	84,786	3/4	74,032		
6	6	6	144,312	6	134,920	6	125,499	6	116,039	6	106,096	6	95,329	6	84,561	6	73,809		
1/4	1/4	1/4	144,118	1/4	134,723	1/4	125,302	1/4	115,842	1/4	105,872	1/4	95,105	1/4	84,337	1/4	73,587		
1/2	1/2	1/2	143,923	1/2	134,527	1/2	125,106	1/2	115,645	1/2	105,648	1/2	94,881	1/2	84,113	1/2	73,364		
3/4	3/4	3/4	143,729	3/4	134,330	3/4	124,909	3/4	115,447	3/4	105,424	3/4	94,656	3/4	83,888	3/4	73,141		
7	7	7	143,534	7	134,134	7	124,712	7	115,250	7	105,200	7	94,432	7	83,664	7	72,918		
1/4	1/4	1/4	143,340	1/4	133,937	1/4	124,516	1/4	115,053	1/4	104,976	1/4	94,208	1/4	83,440	1/4	72,695		
1/2	1/2	1/2	143,145	1/2	133,740	1/2	124,319	1/2	114,856	1/2	104,752	1/2	93,983	1/2	83,215	1/2	72,472		
3/4	3/4	3/4	142,951	3/4	133,544	3/4	124,122	3/4	114,659	3/4	104,527	3/4	93,759	3/4	82,991	3/4	72,249		
8	8	8	142,756	8	133,348	8	123,925	8	114,462	8	104,303	8	93,535	8	82,767	8	72,026		
1/4	1/4	1/4	142,561	1/4	133,153	1/4	123,728	1/4	114,265	1/4	104,079	1/4	93,310	1/4	82,542	1/4	71,803		
1/2	1/2	1/2	142,367	1/2	132,957	1/2	123,531	1/2	114,068	1/2	103,854	1/2	93,086	1/2	82,318	1/2	71,580		
3/4	3/4	3/4	142,172	3/4	132,761	3/4	123,333	3/4	113,871	3/4	103,630	3/4	92,862	3/4	82,094	3/4	71,357		
9	9	9	141,978	9	132,565	9	123,136	9	113,674	9	103,406	9	92,637	9	81,869	9	71,134		
1/4	1/4	1/4	141,783	1/4	132,369	1/4	122,939	1/4	113,478	1/4	103,181	1/4	92,413	1/4	81,645	1/4	70,912		
1/2	1/2	1/2	141,589	1/2	132,173	1/2	122,742	1/2	113,281	1/2	102,957	1/2	92,189	1/2	81,420	1/2	70,689		
3/4	3/4	3/4	141,394	3/4	131,977	3/4	122,545	3/4	113,084	3/4	102,733	3/4	91,964	3/4	81,196	3/4	70,466		
10	10	10	141,200	10	131,781	10	122,348	10	112,887	10	102,508	10	91,740	10	80,972	10	70,243		
1/4	1/4	1/4	141,005	1/4	131,585	1/4	122,151	1/4	112,690	1/4	102,284	1/4	91,516	1/4	80,747	1/4	70,020		
1/2	1/2	1/2	140,811	1/2	131,389	1/2	121,953	1/2	112,493	1/2	102,060	1/2	91,291	1/2	80,523	1/2	69,797		
3/4	3/4	3/4	140,616	3/4	131,193	3/4	121,756	3/4	112,296	3/4	101,835	3/4	91,067	3/4	80,299	3/4	69,573		
11	11	11	140,421	11	130,997	11	121,559	11	112,099	11	101,611	11	90,843	11	80,074	11	69,350		
1/4	1/4	1/4	140,227	1/4	130,801	1/4	121,362	1/4	111,902	1/4	101,387	1/4	90,618	1/4	79,850	1/4	69,126		
1/2	1/2	1/2	147,336	1/2	140,032	1/2	130,606	1/2	121,165	1/2	111,705	1/2	90,394	1/2	79,626	1/2	68,902		
3/4	3/4	3/4	147,320	3/4	139,836	3/4	130,410	3/4	120,968	3/4	111,508	3/4	90,170	3/4	79,401	3/4	68,679		

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 25'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1348"

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	68,455	0	57,694	0	46,929	0	36,164	0	25,596	0	14,840	0	4,061	0		0		0	
1/4	68,231	1/4	57,469	1/4	46,705	1/4	35,940	1/4	25,377	1/4	14,615	1/4	3,839	1/4		1/4		1/4	
1/2	68,008	1/2	57,245	1/2	46,480	1/2	35,716	1/2	25,159	1/2	14,390	1/2	3,616	1/2		1/2		1/2	
3/4	67,784	3/4	57,021	3/4	46,256	3/4	35,491	3/4	24,940	3/4	14,165	3/4	3,396	3/4		3/4		3/4	
1	67,560	1	56,797	1	46,032	1	35,267	1	24,721	1	13,940	1	3,175	1		1		1	
1/4	67,336	1/4	56,572	1/4	45,808	1/4	35,043	1/4	24,502	1/4	13,715	1/4	2,955	1/4		1/4		1/4	
1/2	67,113	1/2	56,348	1/2	45,583	1/2	34,818	1/2	24,283	1/2	13,491	1/2	2,735	1/2		1/2		1/2	
3/4	66,889	3/4	56,124	3/4	45,359	3/4	34,594	3/4	24,058	3/4	13,266	3/4	2,529	3/4		3/4		3/4	
2	66,664	2	55,900	2	45,135	2	34,370	2	23,834	2	13,041	2	2,324	2		2		2	
1/4	66,440	1/4	55,675	1/4	44,910	1/4	34,146	1/4	23,609	1/4	12,816	1/4	2,118	1/4		1/4		1/4	
1/2	66,216	1/2	55,451	1/2	44,686	1/2	33,921	1/2	23,384	1/2	12,591	1/2	1,913	1/2		1/2		1/2	
3/4	65,991	3/4	55,227	3/4	44,462	3/4	33,697	3/4	23,159	3/4	12,366	3/4	1,744	3/4		3/4		3/4	
3	65,767	3	55,002	3	44,238	3	33,473	3	22,934	3	12,141	3	1,576	3		3		3	
1/4	65,543	1/4	54,778	1/4	44,013	1/4	33,249	1/4	22,709	1/4	11,917	1/4	1,407	1/4		1/4		1/4	
1/2	65,319	1/2	54,554	1/2	43,789	1/2	33,024	1/2	22,484	1/2	11,692	1/2	1,238	1/2		1/2		1/2	
3/4	65,094	3/4	54,330	3/4	43,565	3/4	32,806	3/4	22,260	3/4	11,467	3/4	1,107	3/4		3/4		3/4	
4	64,870	4	54,105	4	43,341	4	32,587	4	22,035	4	11,242	4	976	4		4		4	
1/4	64,646	1/4	53,881	1/4	43,116	1/4	32,369	1/4	21,810	1/4	11,017	1/4	845	1/4		1/4		1/4	
1/2	64,422	1/2	53,657	1/2	42,892	1/2	32,151	1/2	21,585	1/2	10,792	1/2	714	1/2		1/2		1/2	
3/4	64,197	3/4	53,433	3/4	42,668	3/4	31,932	3/4	21,360	3/4	10,568	3/4	620	3/4		3/4		3/4	
5	63,973	5	53,208	5	42,444	5	31,714	5	21,135	5	10,343	5	526	5		5		5	
1/4	63,749	1/4	52,984	1/4	42,219	1/4	31,495	1/4	20,911	1/4	10,118	1/4	433	1/4		1/4		1/4	
1/2	63,525	1/2	52,760	1/2	41,995	1/2	31,277	1/2	20,686	1/2	9,893	1/2	339	1/2		1/2		1/2	
3/4	63,300	3/4	52,536	3/4	41,771	3/4	31,058	3/4	20,461	3/4	9,668	3/4	283	3/4		3/4		3/4	
6	63,076	6	52,311	6	41,546	6	30,840	6	20,236	6	9,443	6	227	6		6		6	
1/4	62,852	1/4	52,087	1/4	41,322	1/4	30,621	1/4	20,011	1/4	9,218	1/4	171	1/4		1/4		1/4	
1/2	62,627	1/2	51,863	1/2	41,098	1/2	30,403	1/2	19,786	1/2	8,994	1/2	114	1/2		1/2		1/2	
3/4	62,403	3/4	51,638	3/4	40,874	3/4	30,184	3/4	19,561	3/4	8,769	3/4	96	3/4		3/4		3/4	
7	62,179	7	51,414	7	40,649	7	29,966	7	19,337	7	8,544	7	77	7		7		7	
1/4	61,955	1/4	51,190	1/4	40,425	1/4	29,748	1/4	19,112	1/4	8,319	1/4	58	1/4		1/4		1/4	
1/2	61,730	1/2	50,966	1/2	40,201	1/2	29,529	1/2	18,887	1/2	8,094	1/2	39	1/2		1/2		1/2	
3/4	61,506	3/4	50,741	3/4	39,977	3/4	29,311	3/4	18,662	3/4	7,869	3/4		3/4		3/4		3/4	
8	61,282	8	50,517	8	39,752	8	29,092	8	18,437	8	7,645	8		8		8		8	
1/4	61,058	1/4	50,293	1/4	39,528	1/4	28,874	1/4	18,212	1/4	7,420	1/4		1/4		1/4		1/4	
1/2	60,833	1/2	50,069	1/2	39,304	1/2	28,655	1/2	17,987	1/2	7,195	1/2		1/2		1/2		1/2	
3/4	60,609	3/4	49,844	3/4	39,080	3/4	28,437	3/4	17,763	3/4	6,970	3/4		3/4		3/4		3/4	
9	60,385	9	49,620	9	38,855	9	28,218	9	17,538	9	6,746	9		9		9		9	
1/4	60,161	1/4	49,396	1/4	38,631	1/4	28,000	1/4	17,313	1/4	6,521	1/4		1/4		1/4		1/4	
1/2	59,936	1/2	49,172	1/2	38,407	1/2	27,782	1/2	17,088	1/2	6,296	1/2		1/2		1/2		1/2	
3/4	59,712	3/4	48,947	3/4	38,182	3/4	27,563	3/4	16,863	3/4	6,072	3/4		3/4		3/4		3/4	
10	59,488	10	48,723	10	37,958	10	27,345	10	16,638	10	5,848	10		10		10		10	
1/4	59,263	1/4	48,499	1/4	37,734	1/4	27,126	1/4	16,414	1/4	5,624	1/4		1/4		1/4		1/4	
1/2	59,039	1/2	48,274	1/2	37,510	1/2	26,908	1/2	16,189	1/2	5,399	1/2		1/2		1/2		1/2	
3/4	58,815	3/4	48,050	3/4	37,285	3/4	26,689	3/4	15,964	3/4	5,176	3/4		3/4		3/4		3/4	
11	58,591	11	47,826	11	37,061	11	26,471	11	15,739	11	4,952	11		11		11		11	
1/4	58,366	1/4	47,602	1/4	36,837	1/4	26,252	1/4	15,514	1/4	4,729	1/4		1/4		1/4		1/4	
1/2	58,142	1/2	47,377	1/2	36,613	1/2	26,034	1/2	15,289	1/2	4,506	1/2		1/2		1/2		1/2	
3/4	57,918	3/4	47,153	3/4	36,388	3/4	25,815	3/4	15,064	3/4	4,283	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/05/2012 CL - SW
CALCULATED: 06/05/2012 CL
PRINTED: 06/05/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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



BARGE "CBC 1348"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	170,439	0	161,564	0	149,559	0	137,532	0	125,461	0	113,390	0	101,318	0	89,246		
1/4	1/4	1/4	170,421	1/4	161,313	1/4	149,309	1/4	137,281	1/4	125,209	1/4	113,138	1/4	101,067	1/4	88,994		
1/2	1/2	1/2	170,404	1/2	161,063	1/2	149,059	1/2	137,029	1/2	124,958	1/2	112,887	1/2	100,815	1/2	88,743		
3/4	3/4	3/4	170,387	3/4	160,813	3/4	148,809	3/4	136,778	3/4	124,707	3/4	112,635	3/4	100,564	3/4	88,491		
1	1	1	170,370	1	160,563	1	148,559	1	136,526	1	124,455	1	112,384	1	100,312	1	88,240		
1/4	1/4	1/4	170,311	1/4	160,313	1/4	148,309	1/4	136,275	1/4	124,204	1/4	112,132	1/4	100,061	1/4	87,988		
1/2	1/2	1/2	170,251	1/2	160,063	1/2	148,059	1/2	136,024	1/2	123,952	1/2	111,881	1/2	99,809	1/2	87,737		
3/4	3/4	3/4	170,192	3/4	159,813	3/4	147,809	3/4	135,772	3/4	123,701	3/4	111,629	3/4	99,558	3/4	87,485		
2	2	2	170,133	2	159,563	2	147,558	2	135,521	2	123,449	2	111,378	2	99,306	2	87,234		
1/4	1/4	1/4	170,032	1/4	159,313	1/4	147,308	1/4	135,269	1/4	123,198	1/4	111,126	1/4	99,055	1/4	86,982		
1/2	1/2	1/2	169,931	1/2	159,063	1/2	147,058	1/2	135,018	1/2	122,946	1/2	110,875	1/2	98,803	1/2	86,731		
3/4	3/4	3/4	169,830	3/4	158,813	3/4	146,808	3/4	134,766	3/4	122,695	3/4	110,623	3/4	98,552	3/4	86,479		
3	3	3	169,729	3	158,562	3	146,558	3	134,515	3	122,443	3	110,372	3	98,300	3	86,228		
1/4	1/4	1/4	169,586	1/4	158,312	1/4	146,308	1/4	134,263	1/4	122,192	1/4	110,120	1/4	98,049	1/4	85,976		
1/2	1/2	1/2	169,443	1/2	158,062	1/2	146,058	1/2	134,012	1/2	121,940	1/2	109,869	1/2	97,797	1/2	85,724		
3/4	3/4	3/4	169,300	3/4	157,812	3/4	145,808	3/4	133,760	3/4	121,689	3/4	109,617	3/4	97,546	3/4	85,473		
4	4	4	169,157	4	157,562	4	145,558	4	133,509	4	121,437	4	109,366	4	97,294	4	85,221		
1/4	1/4	1/4	168,972	1/4	157,312	1/4	145,308	1/4	133,257	1/4	121,186	1/4	109,114	1/4	97,043	1/4	84,970		
1/2	1/2	1/2	168,787	1/2	157,062	1/2	145,058	1/2	133,006	1/2	120,934	1/2	108,863	1/2	96,791	1/2	84,718		
3/4	3/4	3/4	168,602	3/4	156,812	3/4	144,807	3/4	132,754	3/4	120,683	3/4	108,611	3/4	96,540	3/4	84,467		
5	5	5	168,417	5	156,562	5	144,557	5	132,503	5	120,431	5	108,360	5	96,288	5	84,215		
1/4	1/4	1/4	168,191	1/4	156,312	1/4	144,307	1/4	132,251	1/4	120,180	1/4	108,108	1/4	96,037	1/4	83,964		
1/2	1/2	1/2	167,964	1/2	156,062	1/2	144,057	1/2	132,000	1/2	119,928	1/2	107,857	1/2	95,785	1/2	83,712		
3/4	3/4	3/4	167,737	3/4	155,811	3/4	143,807	3/4	131,748	3/4	119,677	3/4	107,605	3/4	95,534	3/4	83,461		
6	6	6	167,510	6	155,561	6	143,557	6	131,497	6	119,425	6	107,354	6	95,282	6	83,209		
1/4	1/4	1/4	167,262	1/4	155,311	1/4	143,307	1/4	131,245	1/4	119,174	1/4	107,102	1/4	95,031	1/4	82,958		
1/2	1/2	1/2	167,015	1/2	155,061	1/2	143,057	1/2	130,994	1/2	118,922	1/2	106,851	1/2	94,779	1/2	82,706		
3/4	3/4	3/4	166,767	3/4	154,811	3/4	142,807	3/4	130,742	3/4	118,671	3/4	106,599	3/4	94,528	3/4	82,455		
7	7	7	166,519	7	154,561	7	142,557	7	130,491	7	118,419	7	106,348	7	94,276	7	82,203		
1/4	1/4	1/4	166,271	1/4	154,311	1/4	142,307	1/4	130,239	1/4	118,168	1/4	106,096	1/4	94,025	1/4	81,951		
1/2	1/2	1/2	166,024	1/2	154,061	1/2	142,056	1/2	129,988	1/2	117,916	1/2	105,845	1/2	93,773	1/2	81,700		
3/4	3/4	3/4	165,776	3/4	153,811	3/4	141,806	3/4	129,736	3/4	117,665	3/4	105,593	3/4	93,522	3/4	81,448		
8	8	8	165,528	8	153,561	8	141,556	8	129,485	8	117,413	8	105,342	8	93,270	8	81,197		
1/4	1/4	1/4	165,280	1/4	153,311	1/4	141,305	1/4	129,233	1/4	117,162	1/4	105,090	1/4	93,019	1/4	80,945		
1/2	1/2	1/2	165,032	1/2	153,060	1/2	141,053	1/2	128,982	1/2	116,910	1/2	104,839	1/2	92,767	1/2	80,694		
3/4	3/4	3/4	164,785	3/4	152,810	3/4	140,802	3/4	128,730	3/4	116,659	3/4	104,587	3/4	92,516	3/4	80,442		
9	9	9	164,537	9	152,560	9	140,550	9	128,479	9	116,407	9	104,336	9	92,264	9	80,191		
1/4	1/4	1/4	164,289	1/4	152,310	1/4	140,299	1/4	128,227	1/4	116,156	1/4	104,084	1/4	92,013	1/4	79,939		
1/2	1/2	1/2	164,041	1/2	152,060	1/2	140,047	1/2	127,976	1/2	115,904	1/2	103,833	1/2	91,761	1/2	79,688		
3/4	3/4	3/4	163,794	3/4	151,810	3/4	139,796	3/4	127,724	3/4	115,653	3/4	103,581	3/4	91,510	3/4	79,436		
10	10	10	163,546	10	151,560	10	139,544	10	127,473	10	115,401	10	103,330	10	91,258	10	79,185		
1/4	1/4	1/4	163,298	1/4	151,310	1/4	139,293	1/4	127,221	1/4	115,150	1/4	103,078	1/4	91,007	1/4	78,933		
1/2	1/2	1/2	163,050	1/2	151,060	1/2	139,041	1/2	126,970	1/2	114,898	1/2	102,827	1/2	90,755	1/2	78,682		
3/4	3/4	3/4	162,802	3/4	150,810	3/4	138,790	3/4	126,718	3/4	114,647	3/4	102,576	3/4	90,504	3/4	78,430		
11	11	11	162,555	11	150,560	11	138,538	11	126,467	11	114,395	11	102,324	11	90,252	11	78,178		
1/4	1/4	1/4	162,307	1/4	150,309	1/4	138,287	1/4	126,215	1/4	114,144	1/4	102,073	1/4	90,001	1/4	77,927		
1/2	1/2	1/2	162,059	1/2	150,059	1/2	138,035	1/2	125,964	1/2	113,892	1/2	101,821	1/2	89,749	1/2	77,675		
3/4	3/4	3/4	161,811	3/4	149,809	3/4	137,784	3/4	125,712	3/4	113,641	3/4	101,570	3/4	89,497	3/4	77,424		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



BARGE "CBC 1348"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	77,172	0	65,099	0	53,025	0	40,952	0	29,144	0	17,099	0	5,036	0		0		0	
1/4	76,921	1/4	64,847	1/4	52,774	1/4	40,700	1/4	28,899	1/4	16,847	1/4	4,787	1/4		1/4		1/4	
1/2	76,669	1/2	64,596	1/2	52,522	1/2	40,449	1/2	28,655	1/2	16,596	1/2	4,538	1/2		1/2		1/2	
3/4	76,418	3/4	64,344	3/4	52,271	3/4	40,197	3/4	28,410	3/4	16,344	3/4	4,290	3/4		3/4		3/4	
1	76,166	1	64,093	1	52,019	1	39,946	1	28,166	1	16,093	1	4,041	1		1		1	
1/4	75,915	1/4	63,841	1/4	51,768	1/4	39,694	1/4	27,914	1/4	15,841	1/4	3,794	1/4		1/4		1/4	
1/2	75,663	1/2	63,590	1/2	51,516	1/2	39,443	1/2	27,663	1/2	15,590	1/2	3,548	1/2		1/2		1/2	
3/4	75,412	3/4	63,338	3/4	51,265	3/4	39,191	3/4	27,411	3/4	15,338	3/4	3,301	3/4		3/4		3/4	
2	75,160	2	63,087	2	51,013	2	38,939	2	27,160	2	15,087	2	3,055	2		2		2	
1/4	74,909	1/4	62,835	1/4	50,761	1/4	38,688	1/4	26,908	1/4	14,835	1/4	2,825	1/4		1/4		1/4	
1/2	74,657	1/2	62,584	1/2	50,510	1/2	38,436	1/2	26,657	1/2	14,584	1/2	2,595	1/2		1/2		1/2	
3/4	74,406	3/4	62,332	3/4	50,258	3/4	38,185	3/4	26,405	3/4	14,332	3/4	2,365	3/4		3/4		3/4	
3	74,154	3	62,080	3	50,007	3	37,933	3	26,154	3	14,081	3	2,135	3		3		3	
1/4	73,902	1/4	61,829	1/4	49,755	1/4	37,689	1/4	25,902	1/4	13,829	1/4	1,947	1/4		1/4		1/4	
1/2	73,651	1/2	61,577	1/2	49,504	1/2	37,444	1/2	25,651	1/2	13,578	1/2	1,758	1/2		1/2		1/2	
3/4	73,399	3/4	61,326	3/4	49,252	3/4	37,200	3/4	25,399	3/4	13,326	3/4	1,569	3/4		3/4		3/4	
4	73,148	4	61,074	4	49,001	4	36,955	4	25,148	4	13,074	4	1,381	4		4		4	
1/4	72,896	1/4	60,823	1/4	48,749	1/4	36,711	1/4	24,896	1/4	12,823	1/4	1,234	1/4		1/4		1/4	
1/2	72,645	1/2	60,571	1/2	48,498	1/2	36,467	1/2	24,645	1/2	12,571	1/2	1,087	1/2		1/2		1/2	
3/4	72,393	3/4	60,320	3/4	48,246	3/4	36,223	3/4	24,393	3/4	12,320	3/4	940	3/4		3/4		3/4	
5	72,142	5	60,068	5	47,995	5	35,979	5	24,141	5	12,068	5	794	5		5		5	
1/4	71,890	1/4	59,817	1/4	47,743	1/4	35,735	1/4	23,890	1/4	11,817	1/4	689	1/4		1/4		1/4	
1/2	71,639	1/2	59,565	1/2	47,492	1/2	35,491	1/2	23,638	1/2	11,565	1/2	584	1/2		1/2		1/2	
3/4	71,387	3/4	59,314	3/4	47,240	3/4	35,247	3/4	23,387	3/4	11,314	3/4	479	3/4		3/4		3/4	
6	71,136	6	59,062	6	46,989	6	35,003	6	23,135	6	11,062	6	375	6		6		6	
1/4	70,884	1/4	58,811	1/4	46,737	1/4	34,758	1/4	22,884	1/4	10,811	1/4	312	1/4		1/4		1/4	
1/2	70,633	1/2	58,559	1/2	46,485	1/2	34,514	1/2	22,632	1/2	10,559	1/2	249	1/2		1/2		1/2	
3/4	70,381	3/4	58,307	3/4	46,234	3/4	34,270	3/4	22,381	3/4	10,308	3/4	186	3/4		3/4		3/4	
7	70,129	7	58,056	7	45,982	7	34,026	7	22,129	7	10,056	7	123	7		7		7	
1/4	69,878	1/4	57,804	1/4	45,731	1/4	33,782	1/4	21,878	1/4	9,805	1/4	102	1/4		1/4		1/4	
1/2	69,626	1/2	57,553	1/2	45,479	1/2	33,538	1/2	21,626	1/2	9,553	1/2	81	1/2		1/2		1/2	
3/4	69,375	3/4	57,301	3/4	45,228	3/4	33,294	3/4	21,375	3/4	9,302	3/4	60	3/4		3/4		3/4	
8	69,123	8	57,050	8	44,976	8	33,050	8	21,123	8	9,050	8	39	8		8		8	
1/4	68,872	1/4	56,798	1/4	44,725	1/4	32,805	1/4	20,872	1/4	8,799	1/4		1/4		1/4		1/4	
1/2	68,620	1/2	56,547	1/2	44,473	1/2	32,561	1/2	20,620	1/2	8,547	1/2		1/2		1/2		1/2	
3/4	68,369	3/4	56,295	3/4	44,222	3/4	32,317	3/4	20,369	3/4	8,296	3/4		3/4		3/4		3/4	
9	68,117	9	56,044	9	43,970	9	32,073	9	20,117	9	8,044	9		9		9		9	
1/4	67,866	1/4	55,792	1/4	43,719	1/4	31,829	1/4	19,866	1/4	7,793	1/4		1/4		1/4		1/4	
1/2	67,614	1/2	55,541	1/2	43,467	1/2	31,585	1/2	19,614	1/2	7,542	1/2		1/2		1/2		1/2	
3/4	67,363	3/4	55,289	3/4	43,216	3/4	31,341	3/4	19,363	3/4	7,290	3/4		3/4		3/4		3/4	
10	67,111	10	55,038	10	42,964	10	31,097	10	19,111	10	7,039	10		10		10		10	
1/4	66,860	1/4	54,786	1/4	42,712	1/4	30,853	1/4	18,860	1/4	6,788	1/4		1/4		1/4		1/4	
1/2	66,608	1/2	54,534	1/2	42,461	1/2	30,608	1/2	18,608	1/2	6,537	1/2		1/2		1/2		1/2	
3/4	66,356	3/4	54,283	3/4	42,209	3/4	30,364	3/4	18,356	3/4	6,286	3/4		3/4		3/4		3/4	
11	66,105	11	54,031	11	41,958	11	30,120	11	18,105	11	6,036	11		11		11		11	
1/4	65,853	1/4	53,780	1/4	41,706	1/4	29,876	1/4	17,853	1/4	5,786	1/4		1/4		1/4		1/4	
1/2	65,602	1/2	53,528	1/2	41,455	1/2	29,632	1/2	17,602	1/2	5,536	1/2		1/2		1/2		1/2	
3/4	65,350	3/4	53,277	3/4	41,203	3/4	29,388	3/4	17,350	3/4	5,286	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/05/2012 CL - SW
CALCULATED: 06/05/2012 CL
PRINTED: 06/05/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CBC 1348"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	68,771	0	58,050	0	47,328	0	36,606	0	25,907	0	15,189	0	4,476	0		0		0	
1/4	68,548	1/4	57,826	1/4	47,104	1/4	36,383	1/4	25,684	1/4	14,965	1/4	4,255	1/4	1/4		1/4		1/4
1/2	68,325	1/2	57,603	1/2	46,881	1/2	36,159	1/2	25,461	1/2	14,742	1/2	4,035	1/2	1/2		1/2		1/2
3/4	68,101	3/4	57,379	3/4	46,658	3/4	35,936	3/4	25,238	3/4	14,519	3/4	3,814	3/4	3/4		3/4		3/4
1	67,878	1	57,156	1	46,434	1	35,713	1	25,015	1	14,295	1	3,593	1	1		1		1
1/4	67,655	1/4	56,933	1/4	46,211	1/4	35,489	1/4	24,792	1/4	14,072	1/4	3,374	1/4	1/4		1/4		1/4
1/2	67,431	1/2	56,709	1/2	45,988	1/2	35,266	1/2	24,569	1/2	13,849	1/2	3,155	1/2	1/2		1/2		1/2
3/4	67,208	3/4	56,486	3/4	45,764	3/4	35,042	3/4	24,346	3/4	13,625	3/4	2,936	3/4	3/4		3/4		3/4
2	66,984	2	56,263	2	45,541	2	34,819	2	24,123	2	13,402	2	2,717	2	2		2		2
1/4	66,761	1/4	56,039	1/4	45,318	1/4	34,596	1/4	23,900	1/4	13,179	1/4	2,513	1/4	1/4		1/4		1/4
1/2	66,538	1/2	55,816	1/2	45,094	1/2	34,372	1/2	23,676	1/2	12,955	1/2	2,309	1/2	1/2		1/2		1/2
3/4	66,314	3/4	55,593	3/4	44,871	3/4	34,149	3/4	23,453	3/4	12,732	3/4	2,105	3/4	3/4		3/4		3/4
3	66,091	3	55,369	3	44,647	3	33,926	3	23,230	3	12,508	3	1,901	3	3		3		3
1/4	65,868	1/4	55,146	1/4	44,424	1/4	33,702	1/4	23,006	1/4	12,285	1/4	1,733	1/4	1/4		1/4		1/4
1/2	65,644	1/2	54,922	1/2	44,201	1/2	33,479	1/2	22,783	1/2	12,062	1/2	1,566	1/2	1/2		1/2		1/2
3/4	65,421	3/4	54,699	3/4	43,977	3/4	33,256	3/4	22,560	3/4	11,838	3/4	1,398	3/4	3/4		3/4		3/4
4	65,197	4	54,476	4	43,754	4	33,032	4	22,336	4	11,615	4	1,230	4	4		4		4
1/4	64,974	1/4	54,252	1/4	43,531	1/4	32,809	1/4	22,113	1/4	11,392	1/4	1,100	1/4	1/4		1/4		1/4
1/2	64,751	1/2	54,029	1/2	43,307	1/2	32,587	1/2	21,890	1/2	11,168	1/2	970	1/2	1/2		1/2		1/2
3/4	64,527	3/4	53,806	3/4	43,084	3/4	32,364	3/4	21,666	3/4	10,945	3/4	840	3/4	3/4		3/4		3/4
5	64,304	5	53,582	5	42,860	5	32,142	5	21,443	5	10,722	5	709	5	5		5		5
1/4	64,081	1/4	53,359	1/4	42,637	1/4	31,919	1/4	21,220	1/4	10,498	1/4	616	1/4	1/4		1/4		1/4
1/2	63,857	1/2	53,135	1/2	42,414	1/2	31,696	1/2	20,996	1/2	10,275	1/2	523	1/2	1/2		1/2		1/2
3/4	63,634	3/4	52,912	3/4	42,190	3/4	31,474	3/4	20,773	3/4	10,051	3/4	430	3/4	3/4		3/4		3/4
6	63,410	6	52,689	6	41,967	6	31,251	6	20,549	6	9,828	6	337	6	6		6		6
1/4	63,187	1/4	52,465	1/4	41,744	1/4	31,028	1/4	20,326	1/4	9,605	1/4	281	1/4	1/4		1/4		1/4
1/2	62,964	1/2	52,242	1/2	41,520	1/2	30,806	1/2	20,103	1/2	9,381	1/2	225	1/2	1/2		1/2		1/2
3/4	62,740	3/4	52,019	3/4	41,297	3/4	30,583	3/4	19,879	3/4	9,158	3/4	170	3/4	3/4		3/4		3/4
7	62,517	7	51,795	7	41,073	7	30,360	7	19,656	7	8,935	7	114	7	7		7		7
1/4	62,294	1/4	51,572	1/4	40,850	1/4	30,138	1/4	19,433	1/4	8,711	1/4	95	1/4	1/4		1/4		1/4
1/2	62,070	1/2	51,348	1/2	40,627	1/2	29,915	1/2	19,209	1/2	8,488	1/2	77	1/2	1/2		1/2		1/2
3/4	61,847	3/4	51,125	3/4	40,403	3/4	29,692	3/4	18,986	3/4	8,265	3/4	58	3/4	3/4		3/4		3/4
8	61,624	8	50,902	8	40,180	8	29,470	8	18,763	8	8,041	8	39	8	8		8		8
1/4	61,400	1/4	50,678	1/4	39,957	1/4	29,247	1/4	18,539	1/4	7,818	1/4		1/4	1/4		1/4		1/4
1/2	61,177	1/2	50,455	1/2	39,733	1/2	29,024	1/2	18,316	1/2	7,595	1/2		1/2	1/2		1/2		1/2
3/4	60,953	3/4	50,232	3/4	39,510	3/4	28,802	3/4	18,092	3/4	7,371	3/4		3/4	3/4		3/4		3/4
9	60,730	9	50,008	9	39,287	9	28,579	9	17,869	9	7,148	9		9	9		9		9
1/4	60,507	1/4	49,785	1/4	39,063	1/4	28,356	1/4	17,646	1/4	6,925	1/4		1/4	1/4		1/4		1/4
1/2	60,283	1/2	49,562	1/2	38,840	1/2	28,134	1/2	17,422	1/2	6,702	1/2		1/2	1/2		1/2		1/2
3/4	60,060	3/4	49,338	3/4	38,616	3/4	27,911	3/4	17,199	3/4	6,478	3/4		3/4	3/4		3/4		3/4
10	59,837	10	49,115	10	38,393	10	27,688	10	16,976	10	6,255	10		10	10		10		10
1/4	59,613	1/4	48,891	1/4	38,170	1/4	27,466	1/4	16,752	1/4	6,032	1/4		1/4	1/4		1/4		1/4
1/2	59,390	1/2	48,668	1/2	37,946	1/2	27,243	1/2	16,529	1/2	5,810	1/2		1/2	1/2		1/2		1/2
3/4	59,166	3/4	48,445	3/4	37,723	3/4	27,021	3/4	16,306	3/4	5,587	3/4		3/4	3/4		3/4		3/4
11	58,943	11	48,221	11	37,500	11	26,798	11	16,082	11	5,364	11		11	11		11		11
1/4	58,720	1/4	47,998	1/4	37,276	1/4	26,575	1/4	15,859	1/4	5,142	1/4		1/4	1/4		1/4		1/4
1/2	58,496	1/2	47,775	1/2	37,053	1/2	26,353	1/2	15,635	1/2	4,920	1/2		1/2	1/2		1/2		1/2
3/4	58,273	3/4	47,551	3/4	36,829	3/4	26,130	3/4	15,412	3/4	4,698	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/05/2012 CL - SW
CALCULATED: 06/05/2012 CL
PRINTED: 06/05/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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