



BARGE "CBC 1352"

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	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 CENTER	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8

(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 - 00-3/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 3 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 161'-09"

September 25, 2012

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

<http://www.pmacorp.net>



BARGE "CBC 1352"

1 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	8,100	0	18,901	0	29,552	0	40,232	0	51,005	0	61,778	0	72,528	0	83,280	0	94,056
1/4	58	1/4	8,325	1/4	19,127	1/4	29,771	1/4	40,456	1/4	51,230	1/4	62,003	1/4	72,751	1/4	83,504	1/4	94,281
1/2	77	1/2	8,550	1/2	19,352	1/2	29,989	1/2	40,681	1/2	51,454	1/2	62,227	1/2	72,974	1/2	83,729	1/2	94,505
3/4	96	3/4	8,776	3/4	19,577	3/4	30,208	3/4	40,905	3/4	51,678	3/4	62,451	3/4	73,197	3/4	83,953	3/4	94,730
1	114	1	9,001	1	19,802	1	30,426	1	41,130	1	51,903	1	62,676	1	73,420	1	84,178	1	94,954
1/4	171	1/4	9,226	1/4	20,027	1/4	30,645	1/4	41,354	1/4	52,127	1/4	62,900	1/4	73,643	1/4	84,402	1/4	95,179
1/2	227	1/2	9,451	1/2	20,252	1/2	30,864	1/2	41,579	1/2	52,352	1/2	63,125	1/2	73,867	1/2	84,627	1/2	95,403
3/4	283	3/4	9,676	3/4	20,477	3/4	31,082	3/4	41,803	3/4	52,576	3/4	63,349	3/4	74,090	3/4	84,851	3/4	95,628
2	339	2	9,901	2	20,702	2	31,301	2	42,027	2	52,801	2	63,574	2	74,313	2	85,076	2	95,852
1/4	433	1/4	10,126	1/4	20,927	1/4	31,520	1/4	42,252	1/4	53,025	1/4	63,798	1/4	74,536	1/4	85,300	1/4	96,077
1/2	527	1/2	10,351	1/2	21,152	1/2	31,738	1/2	42,476	1/2	53,249	1/2	64,023	1/2	74,759	1/2	85,525	1/2	96,301
3/4	621	3/4	10,576	3/4	21,377	3/4	31,957	3/4	42,701	3/4	53,474	3/4	64,247	3/4	74,982	3/4	85,749	3/4	96,526
3	714	3	10,801	3	21,602	3	32,175	3	42,925	3	53,698	3	64,471	3	75,205	3	85,974	3	96,750
1/4	846	1/4	11,026	1/4	21,827	1/4	32,394	1/4	43,150	1/4	53,923	1/4	64,696	1/4	75,428	1/4	86,198	1/4	96,975
1/2	977	1/2	11,251	1/2	22,052	1/2	32,613	1/2	43,374	1/2	54,147	1/2	64,920	1/2	75,651	1/2	86,423	1/2	97,199
3/4	1,108	3/4	11,476	3/4	22,277	3/4	32,831	3/4	43,599	3/4	54,372	3/4	65,145	3/4	75,874	3/4	86,647	3/4	97,424
4	1,239	4	11,701	4	22,502	4	33,050	4	43,823	4	54,596	4	65,369	4	76,097	4	86,872	4	97,648
1/4	1,408	1/4	11,926	1/4	22,727	1/4	33,274	1/4	44,047	1/4	54,821	1/4	65,594	1/4	76,321	1/4	87,096	1/4	97,873
1/2	1,577	1/2	12,151	1/2	22,952	1/2	33,499	1/2	44,272	1/2	55,045	1/2	65,818	1/2	76,545	1/2	87,321	1/2	98,097
3/4	1,745	3/4	12,376	3/4	23,177	3/4	33,723	3/4	44,496	3/4	55,269	3/4	66,043	3/4	76,769	3/4	87,545	3/4	98,322
5	1,914	5	12,601	5	23,402	5	33,948	5	44,721	5	55,494	5	66,267	5	76,993	5	87,770	5	98,546
1/4	2,120	1/4	12,826	1/4	23,627	1/4	34,172	1/4	44,945	1/4	55,718	1/4	66,491	1/4	77,217	1/4	87,994	1/4	98,771
1/2	2,326	1/2	13,051	1/2	23,852	1/2	34,397	1/2	45,170	1/2	55,943	1/2	66,716	1/2	77,442	1/2	88,219	1/2	98,995
3/4	2,531	3/4	13,276	3/4	24,077	3/4	34,621	3/4	45,394	3/4	56,167	3/4	66,940	3/4	77,666	3/4	88,443	3/4	99,220
6	2,737	6	13,501	6	24,302	6	34,845	6	45,619	6	56,392	6	67,165	6	77,891	6	88,668	6	99,444
1/4	2,957	1/4	13,726	1/4	24,521	1/4	35,070	1/4	45,843	1/4	56,616	1/4	67,389	1/4	78,115	1/4	88,892	1/4	99,669
1/2	3,178	1/2	13,951	1/2	24,740	1/2	35,294	1/2	46,067	1/2	56,840	1/2	67,612	1/2	78,340	1/2	89,117	1/2	99,893
3/4	3,398	3/4	14,176	3/4	24,959	3/4	35,519	3/4	46,292	3/4	57,065	3/4	67,836	3/4	78,564	3/4	89,341	3/4	100,118
7	3,619	7	14,401	7	25,178	7	35,743	7	46,516	7	57,289	7	68,060	7	78,789	7	89,566	7	100,342
1/4	3,842	1/4	14,626	1/4	25,397	1/4	35,968	1/4	46,741	1/4	57,514	1/4	68,284	1/4	79,013	1/4	89,791	1/4	100,567
1/2	4,064	1/2	14,851	1/2	25,616	1/2	36,192	1/2	46,965	1/2	57,738	1/2	68,508	1/2	79,238	1/2	90,015	1/2	100,791
3/4	4,287	3/4	15,076	3/4	25,835	3/4	36,417	3/4	47,190	3/4	57,963	3/4	68,732	3/4	79,463	3/4	90,240	3/4	101,016
8	4,509	8	15,301	8	26,054	8	36,641	8	47,414	8	58,187	8	68,956	8	79,687	8	90,464	8	101,240
1/4	4,733	1/4	15,526	1/4	26,273	1/4	36,865	1/4	47,638	1/4	58,412	1/4	69,179	1/4	79,912	1/4	90,689	1/4	101,465
1/2	4,956	1/2	15,751	1/2	26,491	1/2	37,090	1/2	47,863	1/2	58,636	1/2	69,403	1/2	80,136	1/2	90,913	1/2	101,689
3/4	5,180	3/4	15,976	3/4	26,710	3/4	37,314	3/4	48,087	3/4	58,860	3/4	69,627	3/4	80,361	3/4	91,138	3/4	101,914
9	5,404	9	16,201	9	26,929	9	37,539	9	48,312	9	59,085	9	69,851	9	80,585	9	91,362	9	102,138
1/4	5,628	1/4	16,426	1/4	27,147	1/4	37,763	1/4	48,536	1/4	59,309	1/4	70,074	1/4	80,810	1/4	91,587	1/4	102,363
1/2	5,852	1/2	16,651	1/2	27,366	1/2	37,988	1/2	48,761	1/2	59,534	1/2	70,297	1/2	81,034	1/2	91,811	1/2	102,588
3/4	6,077	3/4	16,876	3/4	27,584	3/4	38,212	3/4	48,985	3/4	59,758	3/4	70,520	3/4	81,259	3/4	92,036	3/4	102,812
10	6,301	10	17,101	10	27,803	10	38,436	10	49,210	10	59,983	10	70,743	10	81,483	10	92,260	10	103,037
1/4	6,526	1/4	17,326	1/4	28,022	1/4	38,661	1/4	49,434	1/4	60,207	1/4	70,966	1/4	81,708	1/4	92,485	1/4	103,261
1/2	6,751	1/2	17,551	1/2	28,240	1/2	38,885	1/2	49,658	1/2	60,432	1/2	71,189	1/2	81,933	1/2	92,709	1/2	103,486
3/4	6,976	3/4	17,776	3/4	28,459	3/4	39,110	3/4	49,883	3/4	60,656	3/4	71,413	3/4	82,157	3/4	92,934	3/4	103,710
11	7,200	11	18,001	11	28,678	11	39,334	11	50,107	11	60,880	11	71,636	11	82,382	11	93,158	11	103,935
1/4	7,425	1/4	18,226	1/4	28,896	1/4	39,559	1/4	50,332	1/4	61,105	1/4	71,859	1/4	82,606	1/4	93,383	1/4	104,159
1/2	7,650	1/2	18,451	1/2	29,115	1/2	39,783	1/2	50,556	1/2	61,329	1/2	72,082	1/2	82,831	1/2	93,607	1/2	104,384
3/4	7,875	3/4	18,676	3/4	29,333	3/4	40,008	3/4	50,781	3/4	61,554	3/4	72,305	3/4	83,055	3/4	93,832	3/4	104,608

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 25'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1352"

1 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	104,833	0	114,945	0	124,415	0	133,844	0	143,256	0		0		0		0		0	
1/4	105,057	1/4	115,142	1/4	124,612	1/4	134,041	1/4	143,451	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,281	1/2	115,339	1/2	124,809	1/2	134,237	1/2	143,645	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,505	3/4	115,537	3/4	125,006	3/4	134,434	3/4	143,840	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	105,730	1	115,734	1	125,202	1	134,631	1	144,035	1	1	1	1	1	1	1	1	1	1
1/4	105,954	1/4	115,931	1/4	125,399	1/4	134,828	1/4	144,229	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,178	1/2	116,129	1/2	125,596	1/2	135,024	1/2	144,424	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,402	3/4	116,326	3/4	125,793	3/4	135,221	3/4	144,619	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	106,627	2	116,523	2	125,990	2	135,418	2	144,814	2	2	2	2	2	2	2	2	2	2
1/4	106,851	1/4	116,721	1/4	126,186	1/4	135,615	1/4	145,017	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	107,075	1/2	116,918	1/2	126,383	1/2	135,812	1/2	145,221	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,299	3/4	117,115	3/4	126,580	3/4	136,008	3/4	145,424	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	107,524	3	117,313	3	126,777	3	136,205	3	145,628	3	3	3	3	3	3	3	3	3	3
1/4	107,748	1/4	117,510	1/4	126,973	1/4	136,402	1/4	145,794	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	107,972	1/2	117,707	1/2	127,170	1/2	136,599	1/2	145,960	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,196	3/4	117,904	3/4	127,367	3/4	136,795	3/4	146,126	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	108,421	4	118,102	4	127,564	4	136,992	4	146,292	4	4	4	4	4	4	4	4	4	4
1/4	108,645	1/4	118,299	1/4	127,761	1/4	137,189	1/4	146,421	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	108,869	1/2	118,496	1/2	127,957	1/2	137,386	1/2	146,550	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,094	3/4	118,694	3/4	128,154	3/4	137,583	3/4	146,678	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	109,318	5	118,891	5	128,351	5	137,779	5	146,807	5	5	5	5	5	5	5	5	5	5
1/4	109,542	1/4	119,088	1/4	128,548	1/4	137,976	1/4	146,898	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,766	1/2	119,286	1/2	128,744	1/2	138,173	1/2	146,989	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,991	3/4	119,483	3/4	128,941	3/4	138,370	3/4	147,080	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	110,215	6	119,680	6	129,138	6	138,566	6	147,171	6	6	6	6	6	6	6	6	6	6
1/4	110,412	1/4	119,877	1/4	129,334	1/4	138,763	1/4	147,225	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,609	1/2	120,075	1/2	129,530	1/2	138,960	1/2	147,278	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,806	3/4	120,272	3/4	129,726	3/4	139,157	3/4	147,332	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	111,003	7	120,469	7	129,922	7	139,354	7	147,386	7	7	7	7	7	7	7	7	7	7
1/4	111,200	1/4	120,667	1/4	130,118	1/4	139,550	1/4	147,402	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,397	1/2	120,864	1/2	130,314	1/2	139,747	1/2	147,418	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,594	3/4	121,061	3/4	130,511	3/4	139,944	3/4	147,434	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	111,792	8	121,259	8	130,707	8	140,141	8	147,450	8	8	8	8	8	8	8	8	8	8
1/4	111,989	1/4	121,456	1/4	130,903	1/4	140,335	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,186	1/2	121,653	1/2	131,099	1/2	140,530	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,383	3/4	121,850	3/4	131,295	3/4	140,725	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	112,580	9	122,048	9	131,491	9	140,919	9		9	9	9	9	9	9	9	9	9	9
1/4	112,777	1/4	122,245	1/4	131,687	1/4	141,114	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,974	1/2	122,442	1/2	131,883	1/2	141,309	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,171	3/4	122,640	3/4	132,079	3/4	141,504	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	113,368	10	122,837	10	132,275	10	141,698	10		10	10	10	10	10	10	10	10	10	10
1/4	113,565	1/4	123,034	1/4	132,471	1/4	141,893	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,762	1/2	123,232	1/2	132,667	1/2	142,088	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,959	3/4	123,429	3/4	132,863	3/4	142,282	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	114,157	11	123,626	11	133,059	11	142,477	11		11	11	11	11	11	11	11	11	11	11
1/4	114,354	1/4	123,823	1/4	133,256	1/4	142,672	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,551	1/2	124,021	1/2	133,452	1/2	142,866	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,748	3/4	124,218	3/4	133,648	3/4	143,061	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: 09/25/2012 CL - SW
CALCULATED: 09/25/2012 CL
PRINTED: 09/25/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2012

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



BARGE "CBC 1352"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	9,057	0	21,140	0	33,075	0	45,011	0	57,094	0	69,177	0	81,260	0	93,343	0	105,423
1/4	60	1/4	9,309	1/4	21,391	1/4	33,319	1/4	45,263	1/4	57,346	1/4	69,429	1/4	81,511	1/4	93,594	1/4	105,675
1/2	81	1/2	9,561	1/2	21,643	1/2	33,564	1/2	45,514	1/2	57,597	1/2	69,680	1/2	81,763	1/2	93,846	1/2	105,927
3/4	102	3/4	9,812	3/4	21,895	3/4	33,808	3/4	45,766	3/4	57,849	3/4	69,932	3/4	82,015	3/4	94,098	3/4	106,178
1	123	1	10,064	1	22,146	1	34,052	1	46,018	1	58,101	1	70,184	1	82,267	1	94,349	1	106,430
1/4	186	1/4	10,316	1/4	22,398	1/4	34,297	1/4	46,270	1/4	58,353	1/4	70,435	1/4	82,518	1/4	94,601	1/4	106,682
1/2	249	1/2	10,567	1/2	22,650	1/2	34,541	1/2	46,521	1/2	58,604	1/2	70,687	1/2	82,770	1/2	94,853	1/2	106,933
3/4	312	3/4	10,819	3/4	22,902	3/4	34,785	3/4	46,773	3/4	58,856	3/4	70,939	3/4	83,022	3/4	95,104	3/4	107,185
2	375	2	11,071	2	23,153	2	35,030	2	47,025	2	59,108	2	71,191	2	83,274	2	95,356	2	107,437
1/4	480	1/4	11,323	1/4	23,405	1/4	35,274	1/4	47,277	1/4	59,359	1/4	71,442	1/4	83,525	1/4	95,608	1/4	107,689
1/2	585	1/2	11,574	1/2	23,657	1/2	35,518	1/2	47,528	1/2	59,611	1/2	71,694	1/2	83,777	1/2	95,859	1/2	107,940
3/4	690	3/4	11,826	3/4	23,908	3/4	35,762	3/4	47,780	3/4	59,863	3/4	71,946	3/4	84,029	3/4	96,111	3/4	108,192
3	794	3	12,078	3	24,160	3	36,007	3	48,032	3	60,115	3	72,198	3	84,280	3	96,363	3	108,444
1/4	941	1/4	12,329	1/4	24,412	1/4	36,251	1/4	48,283	1/4	60,366	1/4	72,449	1/4	84,532	1/4	96,614	1/4	108,695
1/2	1,088	1/2	12,581	1/2	24,664	1/2	36,495	1/2	48,535	1/2	60,618	1/2	72,701	1/2	84,784	1/2	96,866	1/2	108,947
3/4	1,235	3/4	12,833	3/4	24,915	3/4	36,740	3/4	48,787	3/4	60,870	3/4	72,953	3/4	85,036	3/4	97,118	3/4	109,199
4	1,382	4	13,085	4	25,167	4	36,984	4	49,039	4	61,122	4	73,204	4	85,287	4	97,370	4	109,450
1/4	1,571	1/4	13,336	1/4	25,419	1/4	37,229	1/4	49,290	1/4	61,373	1/4	73,456	1/4	85,539	1/4	97,621	1/4	109,702
1/2	1,759	1/2	13,588	1/2	25,670	1/2	37,473	1/2	49,542	1/2	61,625	1/2	73,708	1/2	85,791	1/2	97,873	1/2	109,954
3/4	1,948	3/4	13,840	3/4	25,922	3/4	37,718	3/4	49,794	3/4	61,877	3/4	73,960	3/4	86,042	3/4	98,125	3/4	110,205
5	2,137	5	14,091	5	26,174	5	37,963	5	50,046	5	62,128	5	74,211	5	86,294	5	98,376	5	110,457
1/4	2,367	1/4	14,343	1/4	26,426	1/4	38,214	1/4	50,297	1/4	62,380	1/4	74,463	1/4	86,546	1/4	98,628	1/4	110,709
1/2	2,597	1/2	14,595	1/2	26,677	1/2	38,466	1/2	50,549	1/2	62,632	1/2	74,715	1/2	86,798	1/2	98,880	1/2	110,960
3/4	2,827	3/4	14,847	3/4	26,929	3/4	38,718	3/4	50,801	3/4	62,884	3/4	74,967	3/4	87,049	3/4	99,131	3/4	111,212
6	3,057	6	15,098	6	27,181	6	38,970	6	51,052	6	63,135	6	75,218	6	87,301	6	99,383	6	111,464
1/4	3,304	1/4	15,350	1/4	27,432	1/4	39,221	1/4	51,304	1/4	63,387	1/4	75,470	1/4	87,553	1/4	99,635	1/4	111,715
1/2	3,551	1/2	15,602	1/2	27,684	1/2	39,473	1/2	51,556	1/2	63,639	1/2	75,722	1/2	87,805	1/2	99,886	1/2	111,967
3/4	3,797	3/4	15,853	3/4	27,936	3/4	39,725	3/4	51,808	3/4	63,891	3/4	75,973	3/4	88,056	3/4	100,138	3/4	112,219
7	4,044	7	16,105	7	28,188	7	39,977	7	52,059	7	64,142	7	76,225	7	88,308	7	100,390	7	112,470
1/4	4,293	1/4	16,357	1/4	28,432	1/4	40,228	1/4	52,311	1/4	64,394	1/4	76,477	1/4	88,560	1/4	100,641	1/4	112,722
1/2	4,542	1/2	16,609	1/2	28,677	1/2	40,480	1/2	52,563	1/2	64,646	1/2	76,729	1/2	88,811	1/2	100,893	1/2	112,974
3/4	4,791	3/4	16,860	3/4	28,922	3/4	40,732	3/4	52,815	3/4	64,897	3/4	76,980	3/4	89,063	3/4	101,145	3/4	113,226
8	5,040	8	17,112	8	29,166	8	40,983	8	53,066	8	65,149	8	77,232	8	89,315	8	101,396	8	113,477
1/4	5,290	1/4	17,364	1/4	29,411	1/4	41,235	1/4	53,318	1/4	65,401	1/4	77,484	1/4	89,567	1/4	101,648	1/4	113,729
1/2	5,540	1/2	17,616	1/2	29,655	1/2	41,487	1/2	53,570	1/2	65,653	1/2	77,736	1/2	89,818	1/2	101,900	1/2	113,981
3/4	5,790	3/4	17,867	3/4	29,899	3/4	41,739	3/4	53,821	3/4	65,904	3/4	77,987	3/4	90,070	3/4	102,151	3/4	114,232
9	6,040	9	18,119	9	30,143	9	41,990	9	54,073	9	66,156	9	78,239	9	90,322	9	102,403	9	114,484
1/4	6,291	1/4	18,371	1/4	30,388	1/4	42,242	1/4	54,325	1/4	66,408	1/4	78,491	1/4	90,574	1/4	102,655	1/4	114,736
1/2	6,542	1/2	18,622	1/2	30,632	1/2	42,494	1/2	54,577	1/2	66,660	1/2	78,742	1/2	90,825	1/2	102,907	1/2	114,987
3/4	6,793	3/4	18,874	3/4	30,876	3/4	42,746	3/4	54,828	3/4	66,911	3/4	78,994	3/4	91,077	3/4	103,158	3/4	115,239
10	7,044	10	19,126	10	31,121	10	42,997	10	55,080	10	67,163	10	79,246	10	91,329	10	103,410	10	115,491
1/4	7,296	1/4	19,378	1/4	31,365	1/4	43,249	1/4	55,332	1/4	67,415	1/4	79,498	1/4	91,580	1/4	103,662	1/4	115,742
1/2	7,547	1/2	19,629	1/2	31,609	1/2	43,501	1/2	55,584	1/2	67,666	1/2	79,749	1/2	91,832	1/2	103,913	1/2	115,994
3/4	7,799	3/4	19,881	3/4	31,854	3/4	43,752	3/4	55,835	3/4	67,918	3/4	80,001	3/4	92,084	3/4	104,165	3/4	116,246
11	8,050	11	20,133	11	32,098	11	44,004	11	56,087	11	68,170	11	80,253	11	92,336	11	104,417	11	116,497
1/4	8,302	1/4	20,384	1/4	32,342	1/4	44,256	1/4	56,339	1/4	68,422	1/4	80,505	1/4	92,587	1/4	104,668	1/4	116,749
1/2	8,554	1/2	20,636	1/2	32,587	1/2	44,508	1/2	56,590	1/2	68,673	1/2	80,756	1/2	92,839	1/2	104,920	1/2	117,001
3/4	8,805	3/4	20,888	3/4	32,831	3/4	44,759	3/4	56,842	3/4	68,925	3/4	81,008	3/4	93,091	3/4	105,172	3/4	117,252

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 30'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1352"

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	117,504	0	129,585	0	141,666	0	153,679	0	165,656	0		0		0		0		0	
1/4	117,756	1/4	129,837	1/4	141,916	1/4	153,930	1/4	165,904	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,008	1/2	130,088	1/2	142,166	1/2	154,180	1/2	166,152	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	118,259	3/4	130,340	3/4	142,417	3/4	154,430	3/4	166,400	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	118,511	1	130,592	1	142,667	1	154,681	1	166,648	1	1	1	1	1	1	1	1	1	1
1/4	118,763	1/4	130,843	1/4	142,917	1/4	154,931	1/4	166,896	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,014	1/2	131,095	1/2	143,167	1/2	155,181	1/2	167,144	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,266	3/4	131,347	3/4	143,418	3/4	155,431	3/4	167,392	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	119,518	2	131,598	2	143,668	2	155,682	2	167,640	2	2	2	2	2	2	2	2	2	2
1/4	119,769	1/4	131,850	1/4	143,918	1/4	155,932	1/4	167,867	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	120,021	1/2	132,102	1/2	144,169	1/2	156,182	1/2	168,094	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	120,273	3/4	132,353	3/4	144,419	3/4	156,433	3/4	168,321	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	120,524	3	132,605	3	144,669	3	156,683	3	168,548	3	3	3	3	3	3	3	3	3	3
1/4	120,776	1/4	132,857	1/4	144,919	1/4	156,933	1/4	168,733	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	121,028	1/2	133,109	1/2	145,170	1/2	157,183	1/2	168,918	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	121,279	3/4	133,360	3/4	145,420	3/4	157,434	3/4	169,103	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	121,531	4	133,612	4	145,670	4	157,684	4	169,288	4	4	4	4	4	4	4	4	4	4
1/4	121,783	1/4	133,864	1/4	145,921	1/4	157,934	1/4	169,431	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	122,034	1/2	134,115	1/2	146,171	1/2	158,184	1/2	169,574	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	122,286	3/4	134,367	3/4	146,421	3/4	158,435	3/4	169,717	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	122,538	5	134,619	5	146,671	5	158,685	5	169,860	5	5	5	5	5	5	5	5	5	5
1/4	122,790	1/4	134,870	1/4	146,922	1/4	158,935	1/4	169,961	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	123,041	1/2	135,122	1/2	147,172	1/2	159,186	1/2	170,063	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	123,293	3/4	135,374	3/4	147,422	3/4	159,436	3/4	170,164	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	123,545	6	135,625	6	147,673	6	159,686	6	170,265	6	6	6	6	6	6	6	6	6	6
1/4	123,796	1/4	135,877	1/4	147,923	1/4	159,936	1/4	170,324	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	124,048	1/2	136,129	1/2	148,173	1/2	160,187	1/2	170,383	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	124,300	3/4	136,380	3/4	148,423	3/4	160,437	3/4	170,442	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	124,551	7	136,632	7	148,674	7	160,687	7	170,501	7	7	7	7	7	7	7	7	7	7
1/4	124,803	1/4	136,884	1/4	148,924	1/4	160,938	1/4	170,519	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	125,055	1/2	137,135	1/2	149,174	1/2	161,188	1/2	170,536	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	125,306	3/4	137,387	3/4	149,425	3/4	161,438	3/4	170,553	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	125,558	8	137,639	8	149,675	8	161,688	8	170,570	8	8	8	8	8	8	8	8	8	8
1/4	125,810	1/4	137,890	1/4	149,925	1/4	161,936	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	126,061	1/2	138,142	1/2	150,175	1/2	162,184	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	126,313	3/4	138,394	3/4	150,426	3/4	162,432	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	126,565	9	138,646	9	150,676	9	162,680	9		9	9	9	9	9	9	9	9	9	9
1/4	126,816	1/4	138,897	1/4	150,926	1/4	162,928	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	127,068	1/2	139,149	1/2	151,177	1/2	163,176	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	127,320	3/4	139,401	3/4	151,427	3/4	163,424	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	127,571	10	139,652	10	151,677	10	163,672	10		10	10	10	10	10	10	10	10	10	10
1/4	127,823	1/4	139,904	1/4	151,927	1/4	163,920	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	128,075	1/2	140,156	1/2	152,178	1/2	164,168	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	128,327	3/4	140,407	3/4	152,428	3/4	164,416	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	128,578	11	140,659	11	152,678	11	164,664	11		11	11	11	11	11	11	11	11	11	11
1/4	128,830	1/4	140,911	1/4	152,929	1/4	164,912	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	129,082	1/2	141,162	1/2	153,179	1/2	165,160	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	129,333	3/4	141,414	3/4	153,429	3/4	165,408	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: 09/25/2012 CL - SW
CALCULATED: 09/25/2012 CL
PRINTED: 09/25/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2012

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



BARGE "CBC 1352"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	8,046	0	18,773	0	29,487	0	40,203	0	50,931	0	61,659	0	72,387	0	83,115	0	93,841
1/4	58	1/4	8,269	1/4	18,997	1/4	29,710	1/4	40,427	1/4	51,155	1/4	61,883	1/4	72,611	1/4	83,338	1/4	94,065
1/2	77	1/2	8,493	1/2	19,220	1/2	29,932	1/2	40,650	1/2	51,378	1/2	62,106	1/2	72,834	1/2	83,562	1/2	94,288
3/4	95	3/4	8,716	3/4	19,444	3/4	30,155	3/4	40,874	3/4	51,602	3/4	62,330	3/4	73,058	3/4	83,785	3/4	94,512
1	114	1	8,940	1	19,667	1	30,378	1	41,097	1	51,825	1	62,553	1	73,281	1	84,009	1	94,735
1/4	170	1/4	9,163	1/4	19,891	1/4	30,601	1/4	41,321	1/4	52,049	1/4	62,777	1/4	73,505	1/4	84,232	1/4	94,958
1/2	226	1/2	9,387	1/2	20,114	1/2	30,823	1/2	41,544	1/2	52,272	1/2	63,000	1/2	73,728	1/2	84,456	1/2	95,182
3/4	281	3/4	9,610	3/4	20,338	3/4	31,046	3/4	41,768	3/4	52,496	3/4	63,224	3/4	73,952	3/4	84,679	3/4	95,405
2	337	2	9,834	2	20,561	2	31,269	2	41,991	2	52,719	2	63,447	2	74,175	2	84,903	2	95,629
1/4	430	1/4	10,057	1/4	20,785	1/4	31,492	1/4	42,215	1/4	52,943	1/4	63,671	1/4	74,399	1/4	85,126	1/4	95,852
1/2	524	1/2	10,281	1/2	21,008	1/2	31,715	1/2	42,438	1/2	53,166	1/2	63,894	1/2	74,622	1/2	85,350	1/2	96,076
3/4	617	3/4	10,504	3/4	21,232	3/4	31,937	3/4	42,662	3/4	53,390	3/4	64,118	3/4	74,846	3/4	85,573	3/4	96,299
3	710	3	10,728	3	21,455	3	32,160	3	42,885	3	53,613	3	64,341	3	75,069	3	85,797	3	96,523
1/4	840	1/4	10,951	1/4	21,679	1/4	32,383	1/4	43,109	1/4	53,837	1/4	64,565	1/4	75,293	1/4	86,020	1/4	96,746
1/2	970	1/2	11,175	1/2	21,902	1/2	32,606	1/2	43,332	1/2	54,060	1/2	64,788	1/2	75,516	1/2	86,243	1/2	96,970
3/4	1,101	3/4	11,398	3/4	22,126	3/4	32,828	3/4	43,556	3/4	54,284	3/4	65,012	3/4	75,740	3/4	86,467	3/4	97,193
4	1,231	4	11,622	4	22,349	4	33,051	4	43,779	4	54,507	4	65,235	4	75,963	4	86,690	4	97,417
1/4	1,399	1/4	11,845	1/4	22,573	1/4	33,275	1/4	44,003	1/4	54,731	1/4	65,459	1/4	76,187	1/4	86,914	1/4	97,640
1/2	1,566	1/2	12,069	1/2	22,796	1/2	33,498	1/2	44,226	1/2	54,954	1/2	65,682	1/2	76,410	1/2	87,137	1/2	97,863
3/4	1,734	3/4	12,292	3/4	23,020	3/4	33,722	3/4	44,450	3/4	55,178	3/4	65,906	3/4	76,634	3/4	87,361	3/4	98,087
5	1,902	5	12,516	5	23,243	5	33,945	5	44,673	5	55,401	5	66,129	5	76,857	5	87,584	5	98,310
1/4	2,106	1/4	12,739	1/4	23,467	1/4	34,169	1/4	44,897	1/4	55,625	1/4	66,353	1/4	77,081	1/4	87,808	1/4	98,534
1/2	2,310	1/2	12,963	1/2	23,690	1/2	34,392	1/2	45,120	1/2	55,848	1/2	66,576	1/2	77,304	1/2	88,031	1/2	98,757
3/4	2,514	3/4	13,186	3/4	23,914	3/4	34,616	3/4	45,344	3/4	56,072	3/4	66,800	3/4	77,528	3/4	88,255	3/4	98,981
6	2,719	6	13,410	6	24,137	6	34,839	6	45,567	6	56,295	6	67,023	6	77,751	6	88,478	6	99,204
1/4	2,938	1/4	13,633	1/4	24,360	1/4	35,063	1/4	45,791	1/4	56,519	1/4	67,247	1/4	77,975	1/4	88,702	1/4	99,428
1/2	3,157	1/2	13,857	1/2	24,583	1/2	35,286	1/2	46,014	1/2	56,742	1/2	67,470	1/2	78,198	1/2	88,925	1/2	99,651
3/4	3,376	3/4	14,080	3/4	24,807	3/4	35,510	3/4	46,238	3/4	56,966	3/4	67,694	3/4	78,422	3/4	89,148	3/4	99,875
7	3,595	7	14,304	7	25,030	7	35,733	7	46,461	7	57,189	7	67,917	7	78,645	7	89,372	7	100,098
1/4	3,816	1/4	14,527	1/4	25,253	1/4	35,957	1/4	46,685	1/4	57,413	1/4	68,141	1/4	78,869	1/4	89,595	1/4	100,322
1/2	4,037	1/2	14,751	1/2	25,476	1/2	36,180	1/2	46,908	1/2	57,636	1/2	68,364	1/2	79,092	1/2	89,819	1/2	100,545
3/4	4,258	3/4	14,974	3/4	25,699	3/4	36,404	3/4	47,132	3/4	57,860	3/4	68,588	3/4	79,316	3/4	90,042	3/4	100,768
8	4,479	8	15,198	8	25,922	8	36,627	8	47,355	8	58,083	8	68,811	8	79,539	8	90,266	8	100,992
1/4	4,701	1/4	15,421	1/4	26,145	1/4	36,851	1/4	47,579	1/4	58,307	1/4	69,035	1/4	79,763	1/4	90,489	1/4	101,215
1/2	4,923	1/2	15,645	1/2	26,368	1/2	37,074	1/2	47,802	1/2	58,530	1/2	69,258	1/2	79,986	1/2	90,713	1/2	101,439
3/4	5,145	3/4	15,868	3/4	26,591	3/4	37,298	3/4	48,026	3/4	58,754	3/4	69,482	3/4	80,210	3/4	90,936	3/4	101,662
9	5,367	9	16,092	9	26,813	9	37,521	9	48,249	9	58,977	9	69,705	9	80,433	9	91,160	9	101,886
1/4	5,590	1/4	16,315	1/4	27,036	1/4	37,745	1/4	48,473	1/4	59,201	1/4	69,929	1/4	80,657	1/4	91,383	1/4	102,109
1/2	5,813	1/2	16,538	1/2	27,259	1/2	37,968	1/2	48,696	1/2	59,424	1/2	70,152	1/2	80,880	1/2	91,607	1/2	102,333
3/4	6,036	3/4	16,762	3/4	27,482	3/4	38,192	3/4	48,920	3/4	59,648	3/4	70,376	3/4	81,104	3/4	91,830	3/4	102,556
10	6,259	10	16,985	10	27,704	10	38,415	10	49,143	10	59,871	10	70,599	10	81,327	10	92,053	10	102,780
1/4	6,482	1/4	17,209	1/4	27,927	1/4	38,639	1/4	49,367	1/4	60,095	1/4	70,823	1/4	81,551	1/4	92,277	1/4	103,003
1/2	6,705	1/2	17,432	1/2	28,150	1/2	38,862	1/2	49,590	1/2	60,318	1/2	71,046	1/2	81,774	1/2	92,500	1/2	103,227
3/4	6,929	3/4	17,656	3/4	28,373	3/4	39,086	3/4	49,814	3/4	60,542	3/4	71,270	3/4	81,998	3/4	92,724	3/4	103,450
11	7,152	11	17,879	11	28,596	11	39,309	11	50,037	11	60,765	11	71,493	11	82,221	11	92,947	11	103,673
1/4	7,375	1/4	18,103	1/4	28,818	1/4	39,533	1/4	50,261	1/4	60,989	1/4	71,717	1/4	82,445	1/4	93,171	1/4	103,897
1/2	7,599	1/2	18,326	1/2	29,041	1/2	39,756	1/2	50,484	1/2	61,212	1/2	71,940	1/2	82,668	1/2	93,394	1/2	104,120
3/4	7,822	3/4	18,550	3/4	29,264	3/4	39,980	3/4	50,708	3/4	61,436	3/4	72,164	3/4	82,892	3/4	93,618	3/4	104,344

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 24'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1352"

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	104,567	0	115,293	0	126,020	0	136,687	0	147,321	0		0		0		0		0	
1/4	104,791	1/4	115,517	1/4	126,242	1/4	136,909	1/4	147,542	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,014	1/2	115,740	1/2	126,464	1/2	137,131	1/2	147,762	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,238	3/4	115,964	3/4	126,686	3/4	137,354	3/4	147,982	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	105,461	1	116,187	1	126,909	1	137,576	1	148,202	1	1	1	1	1	1	1	1	1	1
1/4	105,685	1/4	116,411	1/4	127,131	1/4	137,798	1/4	148,422	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,908	1/2	116,634	1/2	127,353	1/2	138,020	1/2	148,643	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,132	3/4	116,858	3/4	127,575	3/4	138,243	3/4	148,863	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	106,355	2	117,081	2	127,798	2	138,465	2	149,083	2	2	2	2	2	2	2	2	2	2
1/4	106,578	1/4	117,305	1/4	128,020	1/4	138,687	1/4	149,284	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,802	1/2	117,528	1/2	128,242	1/2	138,909	1/2	149,486	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,025	3/4	117,752	3/4	128,464	3/4	139,132	3/4	149,688	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	107,249	3	117,975	3	128,686	3	139,354	3	149,889	3	3	3	3	3	3	3	3	3	3
1/4	107,472	1/4	118,198	1/4	128,909	1/4	139,576	1/4	150,053	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	107,696	1/2	118,422	1/2	129,131	1/2	139,798	1/2	150,218	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,919	3/4	118,645	3/4	129,353	3/4	140,020	3/4	150,382	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	108,143	4	118,869	4	129,575	4	140,243	4	150,546	4	4	4	4	4	4	4	4	4	4
1/4	108,366	1/4	119,092	1/4	129,798	1/4	140,465	1/4	150,673	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	108,590	1/2	119,316	1/2	130,020	1/2	140,687	1/2	150,800	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,813	3/4	119,539	3/4	130,242	3/4	140,909	3/4	150,928	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	109,037	5	119,763	5	130,464	5	141,132	5	151,055	5	5	5	5	5	5	5	5	5	5
1/4	109,260	1/4	119,986	1/4	130,687	1/4	141,354	1/4	151,144	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,483	1/2	120,210	1/2	130,909	1/2	141,576	1/2	151,234	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,707	3/4	120,433	3/4	131,131	3/4	141,798	3/4	151,324	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	109,930	6	120,657	6	131,353	6	142,021	6	151,414	6	6	6	6	6	6	6	6	6	6
1/4	110,154	1/4	120,880	1/4	131,576	1/4	142,243	1/4	151,466	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,377	1/2	121,103	1/2	131,798	1/2	142,465	1/2	151,519	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,601	3/4	121,327	3/4	132,020	3/4	142,687	3/4	151,571	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	110,824	7	121,550	7	132,242	7	142,910	7	151,624	7	7	7	7	7	7	7	7	7	7
1/4	111,048	1/4	121,774	1/4	132,464	1/4	143,132	1/4	151,639	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,271	1/2	121,997	1/2	132,687	1/2	143,354	1/2	151,655	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,495	3/4	122,221	3/4	132,909	3/4	143,576	3/4	151,670	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	111,718	8	122,444	8	133,131	8	143,799	8	151,685	8	8	8	8	8	8	8	8	8	8
1/4	111,942	1/4	122,668	1/4	133,353	1/4	144,019	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,165	1/2	122,891	1/2	133,576	1/2	144,239	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,388	3/4	123,115	3/4	133,798	3/4	144,459	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	112,612	9	123,338	9	134,020	9	144,679	9		9	9	9	9	9	9	9	9	9	9
1/4	112,835	1/4	123,562	1/4	134,242	1/4	144,899	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,059	1/2	123,785	1/2	134,465	1/2	145,120	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,282	3/4	124,008	3/4	134,687	3/4	145,340	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	113,506	10	124,232	10	134,909	10	145,560	10		10	10	10	10	10	10	10	10	10	10
1/4	113,729	1/4	124,455	1/4	135,131	1/4	145,780	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,953	1/2	124,679	1/2	135,354	1/2	146,000	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,176	3/4	124,902	3/4	135,576	3/4	146,221	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	114,400	11	125,126	11	135,798	11	146,441	11		11	11	11	11	11	11	11	11	11	11
1/4	114,623	1/4	125,349	1/4	136,020	1/4	146,661	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,847	1/2	125,573	1/2	136,242	1/2	146,881	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	115,070	3/4	125,796	3/4	136,465	3/4	147,101	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: 09/25/2012 CL - SW
CALCULATED: 09/25/2012 CL
PRINTED: 09/25/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2012

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



BARGE "CBC 1352"

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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 CENTER	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/8	01-1/8

(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 00-3/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 3 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 3/8"

LENGTH BETWEEN DRAFT MARKS: 161'-09"

September 25, 2012

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

<http://www.pmacorp.net>



BARGE "CBC 1352"

1 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	147,434	0	139,944	0	130,511	0	121,061	0	111,594	0	101,016	0	90,240	0	79,463
1/4	1/4	1/4	1/4	1/4	147,418	1/4	139,747	1/4	130,314	1/4	120,864	1/4	111,397	1/4	100,791	1/4	90,015	1/4	79,238
1/2	1/2	1/2	1/2	1/2	147,402	1/2	139,550	1/2	130,118	1/2	120,667	1/2	111,200	1/2	100,567	1/2	89,791	1/2	79,013
3/4	3/4	3/4	3/4	3/4	147,386	3/4	139,354	3/4	129,922	3/4	120,469	3/4	111,003	3/4	100,342	3/4	89,566	3/4	78,789
1		1		1	147,332	1	139,157	1	129,726	1	120,272	1	110,806	1	100,118	1	89,341	1	78,564
1/4	1/4	1/4	1/4	1/4	147,278	1/4	138,960	1/4	129,530	1/4	120,075	1/4	110,609	1/4	99,893	1/4	89,117	1/4	78,340
1/2	1/2	1/2	1/2	1/2	147,225	1/2	138,763	1/2	129,334	1/2	119,877	1/2	110,412	1/2	99,669	1/2	88,892	1/2	78,115
3/4	3/4	3/4	3/4	3/4	147,171	3/4	138,566	3/4	129,138	3/4	119,680	3/4	110,215	3/4	99,444	3/4	88,668	3/4	77,891
2		2		2	147,080	2	138,370	2	128,941	2	119,483	2	109,991	2	99,220	2	88,443	2	77,666
1/4	1/4	1/4	1/4	1/4	146,989	1/4	138,173	1/4	128,744	1/4	119,286	1/4	109,766	1/4	98,995	1/4	88,219	1/4	77,442
1/2	1/2	1/2	1/2	1/2	146,898	1/2	137,976	1/2	128,548	1/2	119,088	1/2	109,542	1/2	98,771	1/2	87,994	1/2	77,217
3/4	3/4	3/4	3/4	3/4	146,807	3/4	137,779	3/4	128,351	3/4	118,891	3/4	109,318	3/4	98,546	3/4	87,770	3/4	76,993
3		3		3	146,678	3	137,583	3	128,154	3	118,694	3	109,094	3	98,322	3	87,545	3	76,769
1/4	1/4	1/4	1/4	1/4	146,550	1/4	137,386	1/4	127,957	1/4	118,496	1/4	108,869	1/4	98,097	1/4	87,321	1/4	76,545
1/2	1/2	1/2	1/2	1/2	146,421	1/2	137,189	1/2	127,761	1/2	118,299	1/2	108,645	1/2	97,873	1/2	87,096	1/2	76,321
3/4	3/4	3/4	3/4	3/4	146,292	3/4	136,992	3/4	127,564	3/4	118,102	3/4	108,421	3/4	97,648	3/4	86,872	3/4	76,097
4		4		4	146,126	4	136,795	4	127,367	4	117,904	4	108,196	4	97,424	4	86,647	4	75,874
1/4	1/4	1/4	1/4	1/4	145,960	1/4	136,599	1/4	127,170	1/4	117,707	1/4	107,972	1/4	97,199	1/4	86,423	1/4	75,651
1/2	1/2	1/2	1/2	1/2	145,794	1/2	136,402	1/2	126,973	1/2	117,510	1/2	107,748	1/2	96,975	1/2	86,198	1/2	75,428
3/4	3/4	3/4	3/4	3/4	145,628	3/4	136,205	3/4	126,777	3/4	117,313	3/4	107,524	3/4	96,750	3/4	85,974	3/4	75,205
5		5		5	145,424	5	136,008	5	126,580	5	117,115	5	107,299	5	96,526	5	85,749	5	74,982
1/4	1/4	1/4	1/4	1/4	145,221	1/4	135,812	1/4	126,383	1/4	116,918	1/4	107,075	1/4	96,301	1/4	85,525	1/4	74,759
1/2	1/2	1/2	1/2	1/2	145,017	1/2	135,615	1/2	126,186	1/2	116,721	1/2	106,851	1/2	96,077	1/2	85,300	1/2	74,536
3/4	3/4	3/4	3/4	3/4	144,814	3/4	135,418	3/4	125,990	3/4	116,523	3/4	106,627	3/4	95,852	3/4	85,076	3/4	74,313
6		6		6	144,619	6	135,221	6	125,793	6	116,326	6	106,402	6	95,628	6	84,851	6	74,090
1/4	1/4	1/4	1/4	1/4	144,424	1/4	135,024	1/4	125,596	1/4	116,129	1/4	106,178	1/4	95,403	1/4	84,627	1/4	73,867
1/2	1/2	1/2	1/2	1/2	144,229	1/2	134,828	1/2	125,399	1/2	115,931	1/2	105,954	1/2	95,179	1/2	84,402	1/2	73,643
3/4	3/4	3/4	3/4	3/4	144,035	3/4	134,631	3/4	125,202	3/4	115,734	3/4	105,730	3/4	94,954	3/4	84,178	3/4	73,420
7		7		7	143,840	7	134,434	7	125,006	7	115,537	7	105,505	7	94,730	7	83,953	7	73,197
1/4	1/4	1/4	1/4	1/4	143,645	1/4	134,237	1/4	124,809	1/4	115,339	1/4	105,281	1/4	94,505	1/4	83,729	1/4	72,974
1/2	1/2	1/2	1/2	1/2	143,451	1/2	134,041	1/2	124,612	1/2	115,142	1/2	105,057	1/2	94,281	1/2	83,504	1/2	72,751
3/4	3/4	3/4	3/4	3/4	143,256	3/4	133,844	3/4	124,415	3/4	114,945	3/4	104,833	3/4	94,056	3/4	83,280	3/4	72,528
8		8		8	143,061	8	133,648	8	124,218	8	114,748	8	104,608	8	93,832	8	83,055	8	72,305
1/4	1/4	1/4	1/4	1/4	142,866	1/4	133,452	1/4	124,021	1/4	114,551	1/4	104,384	1/4	93,607	1/4	82,831	1/4	72,082
1/2	1/2	1/2	1/2	1/2	142,672	1/2	133,256	1/2	123,823	1/2	114,354	1/2	104,159	1/2	93,383	1/2	82,606	1/2	71,859
3/4	3/4	3/4	3/4	3/4	142,477	3/4	133,059	3/4	123,626	3/4	114,157	3/4	103,935	3/4	93,158	3/4	82,382	3/4	71,636
9		9		9	142,282	9	132,863	9	123,429	9	113,959	9	103,710	9	92,934	9	82,157	9	71,413
1/4	1/4	1/4	1/4	1/4	142,088	1/4	132,667	1/4	123,232	1/4	113,762	1/4	103,486	1/4	92,709	1/4	81,933	1/4	71,189
1/2	1/2	1/2	1/2	1/2	141,893	1/2	132,471	1/2	123,034	1/2	113,565	1/2	103,261	1/2	92,485	1/2	81,708	1/2	70,966
3/4	3/4	3/4	3/4	3/4	141,698	3/4	132,275	3/4	122,837	3/4	113,368	3/4	103,037	3/4	92,260	3/4	81,483	3/4	70,743
10		10		10	141,504	10	132,079	10	122,640	10	113,171	10	102,812	10	92,036	10	81,259	10	70,520
1/4	1/4	1/4	1/4	1/4	141,309	1/4	131,883	1/4	122,442	1/4	112,974	1/4	102,588	1/4	91,811	1/4	81,034	1/4	70,297
1/2	1/2	1/2	1/2	1/2	141,114	1/2	131,687	1/2	122,245	1/2	112,777	1/2	102,363	1/2	91,587	1/2	80,810	1/2	70,074
3/4	3/4	3/4	3/4	3/4	140,919	3/4	131,491	3/4	122,048	3/4	112,580	3/4	102,138	3/4	91,362	3/4	80,585	3/4	69,851
11		11		11	140,725	11	131,295	11	121,850	11	112,383	11	101,914	11	91,138	11	80,361	11	69,627
1/4	1/4	1/4	1/4	1/4	140,530	1/4	131,099	1/4	121,653	1/4	112,186	1/4	101,689	1/4	90,913	1/4	80,136	1/4	69,403
1/2	1/2	1/2	1/2	1/2	140,335	1/2	130,903	1/2	121,456	1/2	111,989	1/2	101,465	1/2	90,689	1/2	79,912	1/2	69,179
3/4	3/4	3/4	3/4	3/4	147,450	3/4	140,141	3/4	130,707	3/4	121,259	3/4	111,792	3/4	101,240	3/4	90,464	3/4	68,956

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 1352"

1 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	68,732	0	57,963	0	47,190	0	36,417	0	25,835	0	15,076	0	4,287	0		0		0	
1/4	68,508	1/4	57,738	1/4	46,965	1/4	36,192	1/4	25,616	1/4	14,851	1/4	4,064	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,284	1/2	57,514	1/2	46,741	1/2	35,968	1/2	25,397	1/2	14,626	1/2	3,842	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,060	3/4	57,289	3/4	46,516	3/4	35,743	3/4	25,178	3/4	14,401	3/4	3,619	3/4	3/4	3/4	3/4	3/4	3/4
1	67,836	1	57,065	1	46,292	1	35,519	1	24,959	1	14,176	1	3,398	1	1	1	1	1	1
1/4	67,612	1/4	56,840	1/4	46,067	1/4	35,294	1/4	24,740	1/4	13,951	1/4	3,178	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,389	1/2	56,616	1/2	45,843	1/2	35,070	1/2	24,521	1/2	13,726	1/2	2,957	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,165	3/4	56,392	3/4	45,619	3/4	34,845	3/4	24,302	3/4	13,501	3/4	2,737	3/4	3/4	3/4	3/4	3/4	3/4
2	66,940	2	56,167	2	45,394	2	34,621	2	24,077	2	13,276	2	2,531	2	2	2	2	2	2
1/4	66,716	1/4	55,943	1/4	45,170	1/4	34,397	1/4	23,852	1/4	13,051	1/4	2,326	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,491	1/2	55,718	1/2	44,945	1/2	34,172	1/2	23,627	1/2	12,826	1/2	2,120	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,267	3/4	55,494	3/4	44,721	3/4	33,948	3/4	23,402	3/4	12,601	3/4	1,914	3/4	3/4	3/4	3/4	3/4	3/4
3	66,043	3	55,269	3	44,496	3	33,723	3	23,177	3	12,376	3	1,745	3	3	3	3	3	3
1/4	65,818	1/4	55,045	1/4	44,272	1/4	33,499	1/4	22,952	1/4	12,151	1/4	1,577	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,594	1/2	54,821	1/2	44,047	1/2	33,274	1/2	22,727	1/2	11,926	1/2	1,408	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,369	3/4	54,596	3/4	43,823	3/4	33,050	3/4	22,502	3/4	11,701	3/4	1,239	3/4	3/4	3/4	3/4	3/4	3/4
4	65,145	4	54,372	4	43,599	4	32,831	4	22,277	4	11,476	4	1,108	4	4	4	4	4	4
1/4	64,920	1/4	54,147	1/4	43,374	1/4	32,613	1/4	22,052	1/4	11,251	1/4	977	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,696	1/2	53,923	1/2	43,150	1/2	32,394	1/2	21,827	1/2	11,026	1/2	846	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,471	3/4	53,698	3/4	42,925	3/4	32,175	3/4	21,602	3/4	10,801	3/4	714	3/4	3/4	3/4	3/4	3/4	3/4
5	64,247	5	53,474	5	42,701	5	31,957	5	21,377	5	10,576	5	621	5	5	5	5	5	5
1/4	64,023	1/4	53,249	1/4	42,476	1/4	31,738	1/4	21,152	1/4	10,351	1/4	527	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,798	1/2	53,025	1/2	42,252	1/2	31,520	1/2	20,927	1/2	10,126	1/2	433	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,574	3/4	52,801	3/4	42,027	3/4	31,301	3/4	20,702	3/4	9,901	3/4	339	3/4	3/4	3/4	3/4	3/4	3/4
6	63,349	6	52,576	6	41,803	6	31,082	6	20,477	6	9,676	6	283	6	6	6	6	6	6
1/4	63,125	1/4	52,352	1/4	41,579	1/4	30,864	1/4	20,252	1/4	9,451	1/4	227	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,900	1/2	52,127	1/2	41,354	1/2	30,645	1/2	20,027	1/2	9,226	1/2	171	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,676	3/4	51,903	3/4	41,130	3/4	30,426	3/4	19,802	3/4	9,001	3/4	114	3/4	3/4	3/4	3/4	3/4	3/4
7	62,451	7	51,678	7	40,905	7	30,208	7	19,577	7	8,776	7	96	7	7	7	7	7	7
1/4	62,227	1/4	51,454	1/4	40,681	1/4	29,989	1/4	19,352	1/4	8,550	1/4	77	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,003	1/2	51,230	1/2	40,456	1/2	29,771	1/2	19,127	1/2	8,325	1/2	58	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,778	3/4	51,005	3/4	40,232	3/4	29,552	3/4	18,901	3/4	8,100	3/4	39	3/4	3/4	3/4	3/4	3/4	3/4
8	61,554	8	50,781	8	40,008	8	29,333	8	18,676	8	7,875	8		8	8	8	8	8	8
1/4	61,329	1/4	50,556	1/4	39,783	1/4	29,115	1/4	18,451	1/4	7,650	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,105	1/2	50,332	1/2	39,559	1/2	28,896	1/2	18,226	1/2	7,425	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,880	3/4	50,107	3/4	39,334	3/4	28,678	3/4	18,001	3/4	7,200	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	60,656	9	49,883	9	39,110	9	28,459	9	17,776	9	6,976	9		9	9	9	9	9	9
1/4	60,432	1/4	49,658	1/4	38,885	1/4	28,240	1/4	17,551	1/4	6,751	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,207	1/2	49,434	1/2	38,661	1/2	28,022	1/2	17,326	1/2	6,526	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,983	3/4	49,210	3/4	38,436	3/4	27,803	3/4	17,101	3/4	6,301	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	59,758	10	48,985	10	38,212	10	27,584	10	16,876	10	6,077	10		10	10	10	10	10	10
1/4	59,534	1/4	48,761	1/4	37,988	1/4	27,366	1/4	16,651	1/4	5,852	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,309	1/2	48,536	1/2	37,763	1/2	27,147	1/2	16,426	1/2	5,628	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,085	3/4	48,312	3/4	37,539	3/4	26,929	3/4	16,201	3/4	5,404	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	58,860	11	48,087	11	37,314	11	26,710	11	15,976	11	5,180	11		11	11	11	11	11	11
1/4	58,636	1/4	47,863	1/4	37,090	1/4	26,491	1/4	15,751	1/4	4,956	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,412	1/2	47,638	1/2	36,865	1/2	26,273	1/2	15,526	1/2	4,733	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,187	3/4	47,414	3/4	36,641	3/4	26,054	3/4	15,301	3/4	4,509	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/25/2012 CL - SW
CALCULATED: 09/25/2012 CL
PRINTED: 09/25/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2012

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



BARGE "CBC 1352"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

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	170,570	0	161,688	0	149,675	0	137,639	0	125,558	0	113,477	0	101,396	0	89,315
1/4	1/4	1/4	1/4	1/4	170,553	1/4	161,438	1/4	149,425	1/4	137,387	1/4	125,306	1/4	113,226	1/4	101,145	1/4	89,063
1/2	1/2	1/2	1/2	1/2	170,536	1/2	161,188	1/2	149,174	1/2	137,135	1/2	125,055	1/2	112,974	1/2	100,893	1/2	88,811
3/4	3/4	3/4	3/4	3/4	170,519	3/4	160,938	3/4	148,924	3/4	136,884	3/4	124,803	3/4	112,722	3/4	100,641	3/4	88,560
1		1		1	170,501	1	160,687	1	148,674	1	136,632	1	124,551	1	112,470	1	100,390	1	88,308
1/4	1/4	1/4	1/4	1/4	170,442	1/4	160,437	1/4	148,423	1/4	136,380	1/4	124,300	1/4	112,219	1/4	100,138	1/4	88,056
1/2	1/2	1/2	1/2	1/2	170,383	1/2	160,187	1/2	148,173	1/2	136,129	1/2	124,048	1/2	111,967	1/2	99,886	1/2	87,805
3/4	3/4	3/4	3/4	3/4	170,324	3/4	159,936	3/4	147,923	3/4	135,877	3/4	123,796	3/4	111,715	3/4	99,635	3/4	87,553
2		2		2	170,265	2	159,686	2	147,673	2	135,625	2	123,545	2	111,464	2	99,383	2	87,301
1/4	1/4	1/4	1/4	1/4	170,164	1/4	159,436	1/4	147,422	1/4	135,374	1/4	123,293	1/4	111,212	1/4	99,131	1/4	87,049
1/2	1/2	1/2	1/2	1/2	170,063	1/2	159,186	1/2	147,172	1/2	135,122	1/2	123,041	1/2	110,960	1/2	98,880	1/2	86,798
3/4	3/4	3/4	3/4	3/4	169,961	3/4	158,935	3/4	146,922	3/4	134,870	3/4	122,790	3/4	110,709	3/4	98,628	3/4	86,546
3		3		3	169,860	3	158,685	3	146,671	3	134,619	3	122,538	3	110,457	3	98,376	3	86,294
1/4	1/4	1/4	1/4	1/4	169,717	1/4	158,435	1/4	146,421	1/4	134,367	1/4	122,286	1/4	110,205	1/4	98,125	1/4	86,042
1/2	1/2	1/2	1/2	1/2	169,574	1/2	158,184	1/2	146,171	1/2	134,115	1/2	122,034	1/2	109,954	1/2	97,873	1/2	85,791
3/4	3/4	3/4	3/4	3/4	169,431	3/4	157,934	3/4	145,921	3/4	133,864	3/4	121,783	3/4	109,702	3/4	97,621	3/4	85,539
4		4		4	169,288	4	157,684	4	145,670	4	133,612	4	121,531	4	109,450	4	97,370	4	85,287
1/4	1/4	1/4	1/4	1/4	169,103	1/4	157,434	1/4	145,420	1/4	133,360	1/4	121,279	1/4	109,199	1/4	97,118	1/4	85,036
1/2	1/2	1/2	1/2	1/2	168,918	1/2	157,183	1/2	145,170	1/2	133,109	1/2	121,028	1/2	108,947	1/2	96,866	1/2	84,784
3/4	3/4	3/4	3/4	3/4	168,733	3/4	156,933	3/4	144,919	3/4	132,857	3/4	120,776	3/4	108,695	3/4	96,614	3/4	84,532
5		5		5	168,548	5	156,683	5	144,669	5	132,605	5	120,524	5	108,444	5	96,363	5	84,280
1/4	1/4	1/4	1/4	1/4	168,321	1/4	156,433	1/4	144,419	1/4	132,353	1/4	120,273	1/4	108,192	1/4	96,111	1/4	84,029
1/2	1/2	1/2	1/2	1/2	168,094	1/2	156,182	1/2	144,169	1/2	132,102	1/2	120,021	1/2	107,940	1/2	95,859	1/2	83,777
3/4	3/4	3/4	3/4	3/4	167,867	3/4	155,932	3/4	143,918	3/4	131,850	3/4	119,769	3/4	107,689	3/4	95,608	3/4	83,525
6		6		6	167,640	6	155,682	6	143,668	6	131,598	6	119,518	6	107,437	6	95,356	6	83,274
1/4	1/4	1/4	1/4	1/4	167,392	1/4	155,431	1/4	143,418	1/4	131,347	1/4	119,266	1/4	107,185	1/4	95,104	1/4	83,022
1/2	1/2	1/2	1/2	1/2	167,144	1/2	155,181	1/2	143,167	1/2	131,095	1/2	119,014	1/2	106,933	1/2	94,853	1/2	82,770
3/4	3/4	3/4	3/4	3/4	166,896	3/4	154,931	3/4	142,917	3/4	130,843	3/4	118,763	3/4	106,682	3/4	94,601	3/4	82,518
7		7		7	166,648	7	154,681	7	142,667	7	130,592	7	118,511	7	106,430	7	94,349	7	82,267
1/4	1/4	1/4	1/4	1/4	166,400	1/4	154,430	1/4	142,417	1/4	130,340	1/4	118,259	1/4	106,178	1/4	94,098	1/4	82,015
1/2	1/2	1/2	1/2	1/2	166,152	1/2	154,180	1/2	142,166	1/2	130,088	1/2	118,008	1/2	105,927	1/2	93,846	1/2	81,763
3/4	3/4	3/4	3/4	3/4	165,904	3/4	153,930	3/4	141,916	3/4	129,837	3/4	117,756	3/4	105,675	3/4	93,594	3/4	81,511
8		8		8	165,656	8	153,679	8	141,666	8	129,585	8	117,504	8	105,423	8	93,343	8	81,260
1/4	1/4	1/4	1/4	1/4	165,408	1/4	153,429	1/4	141,414	1/4	129,333	1/4	117,252	1/4	105,172	1/4	93,091	1/4	81,008
1/2	1/2	1/2	1/2	1/2	165,160	1/2	153,179	1/2	141,162	1/2	129,082	1/2	117,001	1/2	104,920	1/2	92,839	1/2	80,756
3/4	3/4	3/4	3/4	3/4	164,912	3/4	152,929	3/4	140,911	3/4	128,830	3/4	116,749	3/4	104,668	3/4	92,587	3/4	80,505
9		9		9	164,664	9	152,678	9	140,659	9	128,578	9	116,497	9	104,417	9	92,336	9	80,253
1/4	1/4	1/4	1/4	1/4	164,416	1/4	152,428	1/4	140,407	1/4	128,327	1/4	116,246	1/4	104,165	1/4	92,084	1/4	80,001
1/2	1/2	1/2	1/2	1/2	164,168	1/2	152,178	1/2	140,156	1/2	128,075	1/2	115,994	1/2	103,913	1/2	91,832	1/2	79,749
3/4	3/4	3/4	3/4	3/4	163,920	3/4	151,927	3/4	139,904	3/4	127,823	3/4	115,742	3/4	103,662	3/4	91,580	3/4	79,498
10		10		10	163,672	10	151,677	10	139,652	10	127,571	10	115,491	10	103,410	10	91,329	10	79,246
1/4	1/4	1/4	1/4	1/4	163,424	1/4	151,427	1/4	139,401	1/4	127,320	1/4	115,239	1/4	103,158	1/4	91,077	1/4	78,994
1/2	1/2	1/2	1/2	1/2	163,176	1/2	151,177	1/2	139,149	1/2	127,068	1/2	114,987	1/2	102,907	1/2	90,825	1/2	78,742
3/4	3/4	3/4	3/4	3/4	162,928	3/4	150,926	3/4	138,897	3/4	126,816	3/4	114,736	3/4	102,655	3/4	90,574	3/4	78,491
11		11		11	162,680	11	150,676	11	138,646	11	126,565	11	114,484	11	102,403	11	90,322	11	78,239
1/4	1/4	1/4	1/4	1/4	162,432	1/4	150,426	1/4	138,394	1/4	126,313	1/4	114,232	1/4	102,151	1/4	90,070	1/4	77,987
1/2	1/2	1/2	1/2	1/2	162,184	1/2	150,175	1/2	138,142	1/2	126,061	1/2	113,981	1/2	101,900	1/2	89,818	1/2	77,736
3/4	3/4	3/4	3/4	3/4	161,936	3/4	149,925	3/4	137,890	3/4	125,810	3/4	113,729	3/4	101,648	3/4	89,567	3/4	77,484

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 30'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1352"

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	77,232	0	65,149	0	53,066	0	40,983	0	29,166	0	17,112	0	5,040	0		0		0	
1/4	76,980	1/4	64,897	1/4	52,815	1/4	40,732	1/4	28,922	1/4	16,860	1/4	4,791	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,729	1/2	64,646	1/2	52,563	1/2	40,480	1/2	28,677	1/2	16,609	1/2	4,542	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,477	3/4	64,394	3/4	52,311	3/4	40,228	3/4	28,432	3/4	16,357	3/4	4,293	3/4	3/4	3/4	3/4	3/4	3/4
1	76,225	1	64,142	1	52,059	1	39,977	1	28,188	1	16,105	1	4,044	1	1	1	1	1	1
1/4	75,973	1/4	63,891	1/4	51,808	1/4	39,725	1/4	27,936	1/4	15,853	1/4	3,797	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,722	1/2	63,639	1/2	51,556	1/2	39,473	1/2	27,684	1/2	15,602	1/2	3,551	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,470	3/4	63,387	3/4	51,304	3/4	39,221	3/4	27,432	3/4	15,350	3/4	3,304	3/4	3/4	3/4	3/4	3/4	3/4
2	75,218	2	63,135	2	51,052	2	38,970	2	27,181	2	15,098	2	3,057	2	2	2	2	2	2
1/4	74,967	1/4	62,884	1/4	50,801	1/4	38,718	1/4	26,929	1/4	14,847	1/4	2,827	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,715	1/2	62,632	1/2	50,549	1/2	38,466	1/2	26,677	1/2	14,595	1/2	2,597	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,463	3/4	62,380	3/4	50,297	3/4	38,214	3/4	26,426	3/4	14,343	3/4	2,367	3/4	3/4	3/4	3/4	3/4	3/4
3	74,211	3	62,128	3	50,046	3	37,963	3	26,174	3	14,091	3	2,137	3	3	3	3	3	3
1/4	73,960	1/4	61,877	1/4	49,794	1/4	37,711	1/4	25,922	1/4	13,840	1/4	1,948	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,708	1/2	61,625	1/2	49,542	1/2	37,473	1/2	25,670	1/2	13,588	1/2	1,759	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,456	3/4	61,373	3/4	49,290	3/4	37,229	3/4	25,419	3/4	13,336	3/4	1,571	3/4	3/4	3/4	3/4	3/4	3/4
4	73,204	4	61,122	4	49,039	4	36,984	4	25,167	4	13,085	4	1,382	4	4	4	4	4	4
1/4	72,953	1/4	60,870	1/4	48,787	1/4	36,740	1/4	24,915	1/4	12,833	1/4	1,235	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,701	1/2	60,618	1/2	48,535	1/2	36,495	1/2	24,664	1/2	12,581	1/2	1,088	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,449	3/4	60,366	3/4	48,283	3/4	36,251	3/4	24,412	3/4	12,329	3/4	941	3/4	3/4	3/4	3/4	3/4	3/4
5	72,198	5	60,115	5	48,032	5	36,007	5	24,160	5	12,078	5	794	5	5	5	5	5	5
1/4	71,946	1/4	59,863	1/4	47,780	1/4	35,762	1/4	23,908	1/4	11,826	1/4	690	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,694	1/2	59,611	1/2	47,528	1/2	35,518	1/2	23,657	1/2	11,574	1/2	585	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,442	3/4	59,359	3/4	47,277	3/4	35,274	3/4	23,405	3/4	11,323	3/4	480	3/4	3/4	3/4	3/4	3/4	3/4
6	71,191	6	59,108	6	47,025	6	35,030	6	23,153	6	11,071	6	375	6	6	6	6	6	6
1/4	70,939	1/4	58,856	1/4	46,773	1/4	34,785	1/4	22,902	1/4	10,819	1/4	312	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,687	1/2	58,604	1/2	46,521	1/2	34,541	1/2	22,650	1/2	10,567	1/2	249	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,435	3/4	58,353	3/4	46,270	3/4	34,297	3/4	22,398	3/4	10,316	3/4	186	3/4	3/4	3/4	3/4	3/4	3/4
7	70,184	7	58,101	7	46,018	7	34,052	7	22,146	7	10,064	7	123	7	7	7	7	7	7
1/4	69,932	1/4	57,849	1/4	45,766	1/4	33,808	1/4	21,895	1/4	9,812	1/4	102	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,680	1/2	57,597	1/2	45,514	1/2	33,564	1/2	21,643	1/2	9,561	1/2	81	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,429	3/4	57,346	3/4	45,263	3/4	33,319	3/4	21,391	3/4	9,309	3/4	60	3/4	3/4	3/4	3/4	3/4	3/4
8	69,177	8	57,094	8	45,011	8	33,075	8	21,140	8	9,057	8	39	8	8	8	8	8	8
1/4	68,925	1/4	56,842	1/4	44,759	1/4	32,831	1/4	20,888	1/4	8,805	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,673	1/2	56,590	1/2	44,508	1/2	32,587	1/2	20,636	1/2	8,554	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,422	3/4	56,339	3/4	44,256	3/4	32,342	3/4	20,384	3/4	8,302	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	68,170	9	56,087	9	44,004	9	32,098	9	20,133	9	8,050	9		9	9	9	9	9	9
1/4	67,918	1/4	55,835	1/4	43,752	1/4	31,854	1/4	19,881	1/4	7,799	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,666	1/2	55,584	1/2	43,501	1/2	31,609	1/2	19,629	1/2	7,547	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,415	3/4	55,332	3/4	43,249	3/4	31,365	3/4	19,378	3/4	7,296	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	67,163	10	55,080	10	42,997	10	31,121	10	19,126	10	7,044	10		10	10	10	10	10	10
1/4	66,911	1/4	54,828	1/4	42,746	1/4	30,876	1/4	18,874	1/4	6,793	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,660	1/2	54,577	1/2	42,494	1/2	30,632	1/2	18,622	1/2	6,542	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,408	3/4	54,325	3/4	42,242	3/4	30,388	3/4	18,371	3/4	6,291	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	66,156	11	54,073	11	41,990	11	30,143	11	18,119	11	6,040	11		11	11	11	11	11	11
1/4	65,904	1/4	53,821	1/4	41,739	1/4	29,899	1/4	17,867	1/4	5,790	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,653	1/2	53,570	1/2	41,487	1/2	29,655	1/2	17,616	1/2	5,540	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,401	3/4	53,318	3/4	41,235	3/4	29,411	3/4	17,364	3/4	5,290	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/25/2012 CL - SW
CALCULATED: 09/25/2012 CL
PRINTED: 09/25/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2012

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



BARGE "CBC 1352"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	151,685	0	143,799	0	133,131	0	122,444	0	111,718	0	100,992	0	90,266	0	79,539
1/4		1/4		1/4	151,670	1/4	143,576	1/4	132,909	1/4	122,221	1/4	111,495	1/4	100,768	1/4	90,042	1/4	79,316
1/2		1/2		1/2	151,655	1/2	143,354	1/2	132,687	1/2	121,997	1/2	111,271	1/2	100,545	1/2	89,819	1/2	79,092
3/4		3/4		3/4	151,639	3/4	143,132	3/4	132,464	3/4	121,774	3/4	111,048	3/4	100,322	3/4	89,595	3/4	78,869
1		1		1	151,624	1	142,910	1	132,242	1	121,550	1	110,824	1	100,098	1	89,372	1	78,645
1/4		1/4		1/4	151,571	1/4	142,687	1/4	132,020	1/4	121,327	1/4	110,601	1/4	99,875	1/4	89,148	1/4	78,422
1/2		1/2		1/2	151,519	1/2	142,465	1/2	131,798	1/2	121,103	1/2	110,377	1/2	99,651	1/2	88,925	1/2	78,198
3/4		3/4		3/4	151,466	3/4	142,243	3/4	131,576	3/4	120,880	3/4	110,154	3/4	99,428	3/4	88,702	3/4	77,975
2		2		2	151,414	2	142,021	2	131,353	2	120,657	2	109,930	2	99,204	2	88,478	2	77,751
1/4		1/4		1/4	151,324	1/4	141,798	1/4	131,131	1/4	120,433	1/4	109,707	1/4	98,981	1/4	88,255	1/4	77,528
1/2		1/2		1/2	151,234	1/2	141,576	1/2	130,909	1/2	120,210	1/2	109,483	1/2	98,757	1/2	88,031	1/2	77,304
3/4		3/4		3/4	151,144	3/4	141,354	3/4	130,687	3/4	119,986	3/4	109,260	3/4	98,534	3/4	87,808	3/4	77,081
3		3		3	151,055	3	141,132	3	130,464	3	119,763	3	109,037	3	98,310	3	87,584	3	76,857
1/4		1/4		1/4	150,928	1/4	140,909	1/4	130,242	1/4	119,539	1/4	108,813	1/4	98,087	1/4	87,361	1/4	76,634
1/2		1/2		1/2	150,800	1/2	140,687	1/2	130,020	1/2	119,316	1/2	108,590	1/2	97,863	1/2	87,137	1/2	76,410
3/4		3/4		3/4	150,673	3/4	140,465	3/4	129,798	3/4	119,092	3/4	108,366	3/4	97,640	3/4	86,914	3/4	76,187
4		4		4	150,546	4	140,243	4	129,575	4	118,869	4	108,143	4	97,417	4	86,690	4	75,963
1/4		1/4		1/4	150,382	1/4	140,020	1/4	129,353	1/4	118,645	1/4	107,919	1/4	97,193	1/4	86,467	1/4	75,740
1/2		1/2		1/2	150,218	1/2	139,798	1/2	129,131	1/2	118,422	1/2	107,696	1/2	96,970	1/2	86,243	1/2	75,516
3/4		3/4		3/4	150,053	3/4	139,576	3/4	128,909	3/4	118,198	3/4	107,472	3/4	96,746	3/4	86,020	3/4	75,293
5		5		5	149,889	5	139,354	5	128,686	5	117,975	5	107,249	5	96,523	5	85,797	5	75,069
1/4		1/4		1/4	149,688	1/4	139,132	1/4	128,464	1/4	117,752	1/4	107,025	1/4	96,299	1/4	85,573	1/4	74,846
1/2		1/2		1/2	149,486	1/2	138,909	1/2	128,242	1/2	117,528	1/2	106,802	1/2	96,076	1/2	85,350	1/2	74,622
3/4		3/4		3/4	149,284	3/4	138,687	3/4	128,020	3/4	117,305	3/4	106,578	3/4	95,852	3/4	85,126	3/4	74,399
6		6		6	149,083	6	138,465	6	127,798	6	117,081	6	106,355	6	95,629	6	84,903	6	74,175
1/4		1/4		1/4	148,863	1/4	138,243	1/4	127,575	1/4	116,858	1/4	106,132	1/4	95,405	1/4	84,679	1/4	73,952
1/2		1/2		1/2	148,643	1/2	138,020	1/2	127,353	1/2	116,634	1/2	105,908	1/2	95,182	1/2	84,456	1/2	73,728
3/4		3/4		3/4	148,422	3/4	137,798	3/4	127,131	3/4	116,411	3/4	105,685	3/4	94,958	3/4	84,232	3/4	73,505
7		7		7	148,202	7	137,576	7	126,909	7	116,187	7	105,461	7	94,735	7	84,009	7	73,281
1/4		1/4		1/4	147,982	1/4	137,354	1/4	126,686	1/4	115,964	1/4	105,238	1/4	94,512	1/4	83,785	1/4	73,058
1/2		1/2		1/2	147,762	1/2	137,131	1/2	126,464	1/2	115,740	1/2	105,014	1/2	94,288	1/2	83,562	1/2	72,834
3/4		3/4		3/4	147,542	3/4	136,909	3/4	126,242	3/4	115,517	3/4	104,791	3/4	94,065	3/4	83,338	3/4	72,611
8		8		8	147,321	8	136,687	8	126,020	8	115,293	8	104,567	8	93,841	8	83,115	8	72,387
1/4		1/4		1/4	147,101	1/4	136,465	1/4	125,796	1/4	115,070	1/4	104,344	1/4	93,618	1/4	82,892	1/4	72,164
1/2		1/2		1/2	146,881	1/2	136,242	1/2	125,573	1/2	114,847	1/2	104,120	1/2	93,394	1/2	82,668	1/2	71,940
3/4		3/4		3/4	146,661	3/4	136,020	3/4	125,349	3/4	114,623	3/4	103,897	3/4	93,171	3/4	82,445	3/4	71,717
9		9		9	146,441	9	135,798	9	125,126	9	114,400	9	103,673	9	92,947	9	82,221	9	71,493
1/4		1/4		1/4	146,221	1/4	135,576	1/4	124,902	1/4	114,176	1/4	103,450	1/4	92,724	1/4	81,998	1/4	71,270
1/2		1/2		1/2	146,000	1/2	135,354	1/2	124,679	1/2	113,953	1/2	103,227	1/2	92,500	1/2	81,774	1/2	71,046
3/4		3/4		3/4	145,780	3/4	135,131	3/4	124,455	3/4	113,729	3/4	103,003	3/4	92,277	3/4	81,551	3/4	70,823
10		10		10	145,560	10	134,909	10	124,232	10	113,506	10	102,780	10	92,053	10	81,327	10	70,599
1/4		1/4		1/4	145,340	1/4	134,687	1/4	124,008	1/4	113,282	1/4	102,556	1/4	91,830	1/4	81,104	1/4	70,376
1/2		1/2		1/2	145,120	1/2	134,465	1/2	123,785	1/2	113,059	1/2	102,333	1/2	91,607	1/2	80,880	1/2	70,152
3/4		3/4		3/4	144,899	3/4	134,242	3/4	123,562	3/4	112,835	3/4	102,109	3/4	91,383	3/4	80,657	3/4	69,929
11		11		11	144,679	11	134,020	11	123,338	11	112,612	11	101,886	11	91,160	11	80,433	11	69,705
1/4		1/4		1/4	144,459	1/4	133,798	1/4	123,115	1/4	112,388	1/4	101,662	1/4	90,936	1/4	80,210	1/4	69,482
1/2		1/2		1/2	144,239	1/2	133,576	1/2	122,891	1/2	112,165	1/2	101,439	1/2	90,713	1/2	79,986	1/2	69,258
3/4		3/4		3/4	144,019	3/4	133,353	3/4	122,668	3/4	111,942	3/4	101,215	3/4	90,489	3/4	79,763	3/4	69,035

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 24'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1352"

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	68,811	0	58,083	0	47,355	0	36,627	0	25,922	0	15,198	0	4,479	0		0		0	
1/4	68,588	1/4	57,860	1/4	47,132	1/4	36,404	1/4	25,699	1/4	14,974	1/4	4,258	1/4	1/4		1/4		1/4
1/2	68,364	1/2	57,636	1/2	46,908	1/2	36,180	1/2	25,476	1/2	14,751	1/2	4,037	1/2	1/2		1/2		1/2
3/4	68,141	3/4	57,413	3/4	46,685	3/4	35,957	3/4	25,253	3/4	14,527	3/4	3,816	3/4	3/4		3/4		3/4
1	67,917	1	57,189	1	46,461	1	35,733	1	25,030	1	14,304	1	3,595	1	1		1		1
1/4	67,694	1/4	56,966	1/4	46,238	1/4	35,510	1/4	24,807	1/4	14,080	1/4	3,376	1/4	1/4		1/4		1/4
1/2	67,470	1/2	56,742	1/2	46,014	1/2	35,286	1/2	24,583	1/2	13,857	1/2	3,157	1/2	1/2		1/2		1/2
3/4	67,247	3/4	56,519	3/4	45,791	3/4	35,063	3/4	24,360	3/4	13,633	3/4	2,938	3/4	3/4		3/4		3/4
2	67,023	2	56,295	2	45,567	2	34,839	2	24,137	2	13,410	2	2,719	2	2		2		2
1/4	66,800	1/4	56,072	1/4	45,344	1/4	34,616	1/4	23,914	1/4	13,186	1/4	2,514	1/4	1/4		1/4		1/4
1/2	66,576	1/2	55,848	1/2	45,120	1/2	34,392	1/2	23,690	1/2	12,963	1/2	2,310	1/2	1/2		1/2		1/2
3/4	66,353	3/4	55,625	3/4	44,897	3/4	34,169	3/4	23,467	3/4	12,739	3/4	2,106	3/4	3/4		3/4		3/4
3	66,129	3	55,401	3	44,673	3	33,945	3	23,243	3	12,516	3	1,902	3	3		3		3
1/4	65,906	1/4	55,178	1/4	44,450	1/4	33,722	1/4	23,020	1/4	12,292	1/4	1,734	1/4	1/4		1/4		1/4
1/2	65,682	1/2	54,954	1/2	44,226	1/2	33,498	1/2	22,796	1/2	12,069	1/2	1,566	1/2	1/2		1/2		1/2
3/4	65,459	3/4	54,731	3/4	44,003	3/4	33,275	3/4	22,573	3/4	11,845	3/4	1,399	3/4	3/4		3/4		3/4
4	65,235	4	54,507	4	43,779	4	33,051	4	22,349	4	11,622	4	1,231	4	4		4		4
1/4	65,012	1/4	54,284	1/4	43,556	1/4	32,828	1/4	22,126	1/4	11,398	1/4	1,101	1/4	1/4		1/4		1/4
1/2	64,788	1/2	54,060	1/2	43,332	1/2	32,606	1/2	21,902	1/2	11,175	1/2	970	1/2	1/2		1/2		1/2
3/4	64,565	3/4	53,837	3/4	43,109	3/4	32,383	3/4	21,679	3/4	10,951	3/4	840	3/4	3/4		3/4		3/4
5	64,341	5	53,613	5	42,885	5	32,160	5	21,455	5	10,728	5	710	5	5		5		5
1/4	64,118	1/4	53,390	1/4	42,662	1/4	31,937	1/4	21,232	1/4	10,504	1/4	617	1/4	1/4		1/4		1/4
1/2	63,894	1/2	53,166	1/2	42,438	1/2	31,715	1/2	21,008	1/2	10,281	1/2	524	1/2	1/2		1/2		1/2
3/4	63,671	3/4	52,943	3/4	42,215	3/4	31,492	3/4	20,785	3/4	10,057	3/4	430	3/4	3/4		3/4		3/4
6	63,447	6	52,719	6	41,991	6	31,269	6	20,561	6	9,834	6	337	6	6		6		6
1/4	63,224	1/4	52,496	1/4	41,768	1/4	31,046	1/4	20,338	1/4	9,610	1/4	281	1/4	1/4		1/4		1/4
1/2	63,000	1/2	52,272	1/2	41,544	1/2	30,823	1/2	20,114	1/2	9,387	1/2	226	1/2	1/2		1/2		1/2
3/4	62,777	3/4	52,049	3/4	41,321	3/4	30,601	3/4	19,891	3/4	9,163	3/4	170	3/4	3/4		3/4		3/4
7	62,553	7	51,825	7	41,097	7	30,378	7	19,667	7	8,940	7	114	7	7		7		7
1/4	62,330	1/4	51,602	1/4	40,874	1/4	30,155	1/4	19,444	1/4	8,716	1/4	95	1/4	1/4		1/4		1/4
1/2	62,106	1/2	51,378	1/2	40,650	1/2	29,932	1/2	19,220	1/2	8,493	1/2	77	1/2	1/2		1/2		1/2
3/4	61,883	3/4	51,155	3/4	40,427	3/4	29,710	3/4	18,997	3/4	8,269	3/4	58	3/4	3/4		3/4		3/4
8	61,659	8	50,931	8	40,203	8	29,487	8	18,773	8	8,046	8	39	8	8		8		8
1/4	61,436	1/4	50,708	1/4	39,980	1/4	29,264	1/4	18,550	1/4	7,822	1/4		1/4	1/4		1/4		1/4
1/2	61,212	1/2	50,484	1/2	39,756	1/2	29,041	1/2	18,326	1/2	7,599	1/2		1/2	1/2		1/2		1/2
3/4	60,989	3/4	50,261	3/4	39,533	3/4	28,818	3/4	18,103	3/4	7,375	3/4		3/4	3/4		3/4		3/4
9	60,765	9	50,037	9	39,309	9	28,596	9	17,879	9	7,152	9		9	9		9		9
1/4	60,542	1/4	49,814	1/4	39,086	1/4	28,373	1/4	17,656	1/4	6,929	1/4		1/4	1/4		1/4		1/4
1/2	60,318	1/2	49,590	1/2	38,862	1/2	28,150	1/2	17,432	1/2	6,705	1/2		1/2	1/2		1/2		1/2
3/4	60,095	3/4	49,367	3/4	38,639	3/4	27,927	3/4	17,209	3/4	6,482	3/4		3/4	3/4		3/4		3/4
10	59,871	10	49,143	10	38,415	10	27,704	10	16,985	10	6,259	10		10	10		10		10
1/4	59,648	1/4	48,920	1/4	38,192	1/4	27,482	1/4	16,762	1/4	6,036	1/4		1/4	1/4		1/4		1/4
1/2	59,424	1/2	48,696	1/2	37,968	1/2	27,259	1/2	16,538	1/2	5,813	1/2		1/2	1/2		1/2		1/2
3/4	59,201	3/4	48,473	3/4	37,745	3/4	27,036	3/4	16,315	3/4	5,590	3/4		3/4	3/4		3/4		3/4
11	58,977	11	48,249	11	37,521	11	26,813	11	16,092	11	5,367	11		11	11		11		11
1/4	58,754	1/4	48,026	1/4	37,298	1/4	26,591	1/4	15,868	1/4	5,145	1/4		1/4	1/4		1/4		1/4
1/2	58,530	1/2	47,802	1/2	37,074	1/2	26,368	1/2	15,645	1/2	4,923	1/2		1/2	1/2		1/2		1/2
3/4	58,307	3/4	47,579	3/4	36,851	3/4	26,145	3/4	15,421	3/4	4,701	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/25/2012 CL - SW
CALCULATED: 09/25/2012 CL
PRINTED: 09/25/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2012

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