



# BARGE "CBC 1356"

## INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>										
1 CENTER	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 CENTER	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4
3 CENTER	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-1/4	- 01-1/4

(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"

December 21, 2012

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

<http://www.pmacorp.net>



# BARGE "CBC 1356"

# 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	8,102	0	18,905	0	29,558	0	40,240	0	51,015	0	61,790	0	72,542	0	83,295	0	94,074
1/4	58	1/4	8,327	1/4	19,130	1/4	29,776	1/4	40,464	1/4	51,239	1/4	62,014	1/4	72,765	1/4	83,520	1/4	94,299
1/2	77	1/2	8,552	1/2	19,355	1/2	29,995	1/2	40,689	1/2	51,464	1/2	62,239	1/2	72,988	1/2	83,745	1/2	94,523
3/4	96	3/4	8,777	3/4	19,580	3/4	30,214	3/4	40,913	3/4	51,688	3/4	62,463	3/4	73,211	3/4	83,969	3/4	94,748
1	114	1	9,002	1	19,805	1	30,432	1	41,138	1	51,913	1	62,688	1	73,434	1	84,194	1	94,972
1/4	171	1/4	9,227	1/4	20,030	1/4	30,651	1/4	41,362	1/4	52,137	1/4	62,912	1/4	73,657	1/4	84,418	1/4	95,197
1/2	227	1/2	9,452	1/2	20,255	1/2	30,870	1/2	41,586	1/2	52,362	1/2	63,137	1/2	73,881	1/2	84,643	1/2	95,421
3/4	283	3/4	9,677	3/4	20,481	3/4	31,088	3/4	41,811	3/4	52,586	3/4	63,361	3/4	74,104	3/4	84,867	3/4	95,646
2	339	2	9,902	2	20,706	2	31,307	2	42,035	2	52,811	2	63,586	2	74,327	2	85,092	2	95,870
1/4	433	1/4	10,128	1/4	20,931	1/4	31,526	1/4	42,260	1/4	53,035	1/4	63,810	1/4	74,550	1/4	85,316	1/4	96,095
1/2	527	1/2	10,353	1/2	21,156	1/2	31,744	1/2	42,484	1/2	53,260	1/2	64,035	1/2	74,773	1/2	85,541	1/2	96,319
3/4	621	3/4	10,578	3/4	21,381	3/4	31,963	3/4	42,709	3/4	53,484	3/4	64,259	3/4	74,996	3/4	85,766	3/4	96,544
3	715	3	10,803	3	21,606	3	32,182	3	42,933	3	53,709	3	64,484	3	75,219	3	85,990	3	96,769
1/4	846	1/4	11,028	1/4	21,831	1/4	32,400	1/4	43,158	1/4	53,933	1/4	64,708	1/4	75,442	1/4	86,215	1/4	96,993
1/2	977	1/2	11,253	1/2	22,056	1/2	32,619	1/2	43,382	1/2	54,157	1/2	64,933	1/2	75,666	1/2	86,439	1/2	97,218
3/4	1,108	3/4	11,478	3/4	22,281	3/4	32,837	3/4	43,607	3/4	54,382	3/4	65,157	3/4	75,889	3/4	86,664	3/4	97,442
4	1,240	4	11,703	4	22,506	4	33,056	4	43,831	4	54,606	4	65,382	4	76,112	4	86,888	4	97,667
1/4	1,408	1/4	11,928	1/4	22,731	1/4	33,281	1/4	44,056	1/4	54,831	1/4	65,606	1/4	76,336	1/4	87,113	1/4	97,891
1/2	1,577	1/2	12,153	1/2	22,956	1/2	33,505	1/2	44,280	1/2	55,055	1/2	65,831	1/2	76,560	1/2	87,337	1/2	98,116
3/4	1,746	3/4	12,378	3/4	23,181	3/4	33,730	3/4	44,505	3/4	55,280	3/4	66,055	3/4	76,783	3/4	87,562	3/4	98,340
5	1,915	5	12,603	5	23,406	5	33,954	5	44,729	5	55,504	5	66,279	5	77,007	5	87,787	5	98,565
1/4	2,120	1/4	12,828	1/4	23,631	1/4	34,179	1/4	44,954	1/4	55,729	1/4	66,504	1/4	77,232	1/4	88,011	1/4	98,790
1/2	2,326	1/2	13,053	1/2	23,856	1/2	34,403	1/2	45,178	1/2	55,953	1/2	66,728	1/2	77,456	1/2	88,236	1/2	99,014
3/4	2,532	3/4	13,278	3/4	24,082	3/4	34,628	3/4	45,403	3/4	56,178	3/4	66,953	3/4	77,681	3/4	88,460	3/4	99,239
6	2,737	6	13,504	6	24,307	6	34,852	6	45,627	6	56,402	6	67,177	6	77,905	6	88,685	6	99,463
1/4	2,958	1/4	13,729	1/4	24,526	1/4	35,076	1/4	45,852	1/4	56,627	1/4	67,401	1/4	78,130	1/4	88,909	1/4	99,688
1/2	3,179	1/2	13,954	1/2	24,745	1/2	35,301	1/2	46,076	1/2	56,851	1/2	67,625	1/2	78,355	1/2	89,134	1/2	99,912
3/4	3,399	3/4	14,179	3/4	24,964	3/4	35,525	3/4	46,301	3/4	57,076	3/4	67,849	3/4	78,579	3/4	89,358	3/4	100,137
7	3,620	7	14,404	7	25,183	7	35,750	7	46,525	7	57,300	7	68,073	7	78,804	7	89,583	7	100,361
1/4	3,842	1/4	14,629	1/4	25,402	1/4	35,974	1/4	46,750	1/4	57,525	1/4	68,297	1/4	79,028	1/4	89,807	1/4	100,586
1/2	4,065	1/2	14,854	1/2	25,621	1/2	36,199	1/2	46,974	1/2	57,749	1/2	68,521	1/2	79,253	1/2	90,032	1/2	100,810
3/4	4,287	3/4	15,079	3/4	25,840	3/4	36,423	3/4	47,199	3/4	57,974	3/4	68,745	3/4	79,478	3/4	90,257	3/4	101,035
8	4,510	8	15,304	8	26,059	8	36,648	8	47,423	8	58,198	8	68,969	8	79,702	8	90,481	8	101,260
1/4	4,734	1/4	15,529	1/4	26,278	1/4	36,872	1/4	47,647	1/4	58,423	1/4	69,192	1/4	79,927	1/4	90,706	1/4	101,484
1/2	4,957	1/2	15,754	1/2	26,496	1/2	37,097	1/2	47,872	1/2	58,647	1/2	69,416	1/2	80,151	1/2	90,930	1/2	101,709
3/4	5,181	3/4	15,979	3/4	26,715	3/4	37,321	3/4	48,096	3/4	58,872	3/4	69,640	3/4	80,376	3/4	91,155	3/4	101,933
9	5,405	9	16,204	9	26,934	9	37,546	9	48,321	9	59,096	9	69,864	9	80,600	9	91,379	9	102,158
1/4	5,629	1/4	16,429	1/4	27,152	1/4	37,770	1/4	48,545	1/4	59,321	1/4	70,087	1/4	80,825	1/4	91,604	1/4	102,382
1/2	5,853	1/2	16,654	1/2	27,371	1/2	37,995	1/2	48,770	1/2	59,545	1/2	70,310	1/2	81,050	1/2	91,828	1/2	102,607
3/4	6,078	3/4	16,879	3/4	27,590	3/4	38,219	3/4	48,994	3/4	59,770	3/4	70,534	3/4	81,274	3/4	92,053	3/4	102,831
10	6,302	10	17,105	10	27,808	10	38,444	10	49,219	10	59,994	10	70,757	10	81,499	10	92,278	10	103,056
1/4	6,527	1/4	17,330	1/4	28,027	1/4	38,668	1/4	49,443	1/4	60,218	1/4	70,980	1/4	81,723	1/4	92,502	1/4	103,281
1/2	6,752	1/2	17,555	1/2	28,246	1/2	38,893	1/2	49,668	1/2	60,443	1/2	71,203	1/2	81,948	1/2	92,727	1/2	103,505
3/4	6,977	3/4	17,780	3/4	28,464	3/4	39,117	3/4	49,892	3/4	60,667	3/4	71,426	3/4	82,173	3/4	92,951	3/4	103,730
11	7,202	11	18,005	11	28,683	11	39,342	11	50,117	11	60,892	11	71,649	11	82,397	11	93,176	11	103,954
1/4	7,427	1/4	18,230	1/4	28,902	1/4	39,566	1/4	50,341	1/4	61,116	1/4	71,872	1/4	82,622	1/4	93,400	1/4	104,179
1/2	7,652	1/2	18,455	1/2	29,120	1/2	39,791	1/2	50,566	1/2	61,341	1/2	72,095	1/2	82,846	1/2	93,625	1/2	104,403
3/4	7,877	3/4	18,680	3/4	29,339	3/4	40,015	3/4	50,790	3/4	61,565	3/4	72,319	3/4	83,071	3/4	93,849	3/4	104,628

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 27'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "CBC 1356"

## 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	104,852	0	114,967	0	124,439	0	133,869	0	143,283	0		0		0		0		0	
1/4	105,077	1/4	115,164	1/4	124,636	1/4	134,066	1/4	143,478	1/4		1/4		1/4		1/4		1/4	
1/2	105,301	1/2	115,361	1/2	124,833	1/2	134,263	1/2	143,672	1/2		1/2		1/2		1/2		1/2	
3/4	105,525	3/4	115,559	3/4	125,029	3/4	134,460	3/4	143,867	3/4		3/4		3/4		3/4		3/4	
1	105,750	1	115,756	1	125,226	1	134,656	1	144,062	1		1		1		1		1	
1/4	105,974	1/4	115,953	1/4	125,423	1/4	134,853	1/4	144,257	1/4		1/4		1/4		1/4		1/4	
1/2	106,198	1/2	116,151	1/2	125,620	1/2	135,050	1/2	144,451	1/2		1/2		1/2		1/2		1/2	
3/4	106,423	3/4	116,348	3/4	125,817	3/4	135,247	3/4	144,646	3/4		3/4		3/4		3/4		3/4	
2	106,647	2	116,545	2	126,013	2	135,444	2	144,841	2		2		2		2		2	
1/4	106,871	1/4	116,743	1/4	126,210	1/4	135,640	1/4	145,045	1/4		1/4		1/4		1/4		1/4	
1/2	107,095	1/2	116,940	1/2	126,407	1/2	135,837	1/2	145,248	1/2		1/2		1/2		1/2		1/2	
3/4	107,320	3/4	117,137	3/4	126,604	3/4	136,034	3/4	145,452	3/4		3/4		3/4		3/4		3/4	
3	107,544	3	117,335	3	126,801	3	136,231	3	145,655	3		3		3		3		3	
1/4	107,768	1/4	117,532	1/4	126,997	1/4	136,428	1/4	145,822	1/4		1/4		1/4		1/4		1/4	
1/2	107,993	1/2	117,729	1/2	127,194	1/2	136,624	1/2	145,988	1/2		1/2		1/2		1/2		1/2	
3/4	108,217	3/4	117,927	3/4	127,391	3/4	136,821	3/4	146,154	3/4		3/4		3/4		3/4		3/4	
4	108,441	4	118,124	4	127,588	4	137,018	4	146,320	4		4		4		4		4	
1/4	108,666	1/4	118,321	1/4	127,785	1/4	137,215	1/4	146,449	1/4		1/4		1/4		1/4		1/4	
1/2	108,890	1/2	118,519	1/2	127,982	1/2	137,412	1/2	146,577	1/2		1/2		1/2		1/2		1/2	
3/4	109,114	3/4	118,716	3/4	128,178	3/4	137,609	3/4	146,706	3/4		3/4		3/4		3/4		3/4	
5	109,338	5	118,913	5	128,375	5	137,805	5	146,835	5		5		5		5		5	
1/4	109,563	1/4	119,111	1/4	128,572	1/4	138,002	1/4	146,926	1/4		1/4		1/4		1/4		1/4	
1/2	109,787	1/2	119,308	1/2	128,769	1/2	138,199	1/2	147,017	1/2		1/2		1/2		1/2		1/2	
3/4	110,011	3/4	119,505	3/4	128,966	3/4	138,396	3/4	147,108	3/4		3/4		3/4		3/4		3/4	
6	110,236	6	119,703	6	129,162	6	138,593	6	147,199	6		6		6		6		6	
1/4	110,433	1/4	119,900	1/4	129,359	1/4	138,789	1/4	147,253	1/4		1/4		1/4		1/4		1/4	
1/2	110,630	1/2	120,097	1/2	129,555	1/2	138,986	1/2	147,306	1/2		1/2		1/2		1/2		1/2	
3/4	110,827	3/4	120,295	3/4	129,751	3/4	139,183	3/4	147,360	3/4		3/4		3/4		3/4		3/4	
7	111,024	7	120,492	7	129,947	7	139,380	7	147,413	7		7		7		7		7	
1/4	111,221	1/4	120,689	1/4	130,143	1/4	139,577	1/4	147,430	1/4		1/4		1/4		1/4		1/4	
1/2	111,418	1/2	120,887	1/2	130,339	1/2	139,774	1/2	147,446	1/2		1/2		1/2		1/2		1/2	
3/4	111,616	3/4	121,084	3/4	130,535	3/4	139,970	3/4	147,462	3/4		3/4		3/4		3/4		3/4	
8	111,813	8	121,281	8	130,731	8	140,167	8	147,478	8		8		8		8		8	
1/4	112,010	1/4	121,479	1/4	130,927	1/4	140,362	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,207	1/2	121,676	1/2	131,124	1/2	140,557	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,404	3/4	121,873	3/4	131,320	3/4	140,751	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,601	9	122,071	9	131,516	9	140,946	9		9		9		9		9		9	
1/4	112,798	1/4	122,268	1/4	131,712	1/4	141,141	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,995	1/2	122,465	1/2	131,908	1/2	141,336	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,193	3/4	122,663	3/4	132,104	3/4	141,530	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,390	10	122,860	10	132,300	10	141,725	10		10		10		10		10		10	
1/4	113,587	1/4	123,058	1/4	132,496	1/4	141,920	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,784	1/2	123,255	1/2	132,692	1/2	142,115	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,981	3/4	123,452	3/4	132,889	3/4	142,309	3/4		3/4		3/4		3/4		3/4		3/4	
11	114,178	11	123,650	11	133,085	11	142,504	11		11		11		11		11		11	
1/4	114,375	1/4	123,847	1/4	133,281	1/4	142,699	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,572	1/2	124,044	1/2	133,477	1/2	142,893	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,769	3/4	124,242	3/4	133,673	3/4	143,088	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2012 CL - SW  
CALCULATED: 12/21/2012 CL  
PRINTED: 12/21/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2012

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



# BARGE "CBC 1356"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	9,050	0	21,123	0	33,050	0	44,976	0	57,050	0	69,123	0	81,197	0	93,270	0	105,342
1/4	60	1/4	9,302	1/4	21,375	1/4	33,294	1/4	45,228	1/4	57,301	1/4	69,375	1/4	81,448	1/4	93,522	1/4	105,593
1/2	81	1/2	9,553	1/2	21,626	1/2	33,538	1/2	45,479	1/2	57,553	1/2	69,626	1/2	81,700	1/2	93,773	1/2	105,845
3/4	102	3/4	9,805	3/4	21,878	3/4	33,782	3/4	45,731	3/4	57,804	3/4	69,878	3/4	81,951	3/4	94,025	3/4	106,096
1	123	1	10,056	1	22,129	1	34,026	1	45,982	1	58,056	1	70,129	1	82,203	1	94,276	1	106,348
1/4	186	1/4	10,308	1/4	22,381	1/4	34,270	1/4	46,234	1/4	58,307	1/4	70,381	1/4	82,455	1/4	94,528	1/4	106,599
1/2	249	1/2	10,559	1/2	22,632	1/2	34,514	1/2	46,485	1/2	58,559	1/2	70,633	1/2	82,706	1/2	94,779	1/2	106,851
3/4	312	3/4	10,811	3/4	22,884	3/4	34,758	3/4	46,737	3/4	58,811	3/4	70,884	3/4	82,958	3/4	95,031	3/4	107,102
2	375	2	11,062	2	23,135	2	35,003	2	46,989	2	59,062	2	71,136	2	83,209	2	95,282	2	107,354
1/4	479	1/4	11,314	1/4	23,387	1/4	35,247	1/4	47,240	1/4	59,314	1/4	71,387	1/4	83,461	1/4	95,534	1/4	107,605
1/2	584	1/2	11,565	1/2	23,638	1/2	35,491	1/2	47,492	1/2	59,565	1/2	71,639	1/2	83,712	1/2	95,785	1/2	107,857
3/4	689	3/4	11,817	3/4	23,890	3/4	35,735	3/4	47,743	3/4	59,817	3/4	71,890	3/4	83,964	3/4	96,037	3/4	108,108
3	794	3	12,068	3	24,141	3	35,979	3	47,995	3	60,068	3	72,142	3	84,215	3	96,288	3	108,360
1/4	940	1/4	12,320	1/4	24,393	1/4	36,223	1/4	48,246	1/4	60,320	1/4	72,393	1/4	84,467	1/4	96,540	1/4	108,611
1/2	1,087	1/2	12,571	1/2	24,645	1/2	36,467	1/2	48,498	1/2	60,571	1/2	72,645	1/2	84,718	1/2	96,791	1/2	108,863
3/4	1,234	3/4	12,823	3/4	24,896	3/4	36,711	3/4	48,749	3/4	60,823	3/4	72,896	3/4	84,970	3/4	97,043	3/4	109,114
4	1,381	4	13,074	4	25,148	4	36,955	4	49,001	4	61,074	4	73,148	4	85,221	4	97,294	4	109,366
1/4	1,569	1/4	13,326	1/4	25,399	1/4	37,200	1/4	49,252	1/4	61,326	1/4	73,399	1/4	85,473	1/4	97,546	1/4	109,617
1/2	1,758	1/2	13,578	1/2	25,651	1/2	37,444	1/2	49,504	1/2	61,577	1/2	73,651	1/2	85,724	1/2	97,797	1/2	109,869
3/4	1,947	3/4	13,829	3/4	25,902	3/4	37,689	3/4	49,755	3/4	61,829	3/4	73,902	3/4	85,976	3/4	98,049	3/4	110,120
5	2,135	5	14,081	5	26,154	5	37,933	5	50,007	5	62,080	5	74,154	5	86,228	5	98,300	5	110,372
1/4	2,365	1/4	14,332	1/4	26,405	1/4	38,185	1/4	50,258	1/4	62,332	1/4	74,406	1/4	86,479	1/4	98,552	1/4	110,623
1/2	2,595	1/2	14,584	1/2	26,657	1/2	38,436	1/2	50,510	1/2	62,584	1/2	74,657	1/2	86,731	1/2	98,803	1/2	110,875
3/4	2,825	3/4	14,835	3/4	26,908	3/4	38,688	3/4	50,761	3/4	62,835	3/4	74,909	3/4	86,982	3/4	99,055	3/4	111,126
6	3,055	6	15,087	6	27,160	6	38,939	6	51,013	6	63,087	6	75,160	6	87,234	6	99,306	6	111,378
1/4	3,301	1/4	15,338	1/4	27,411	1/4	39,191	1/4	51,265	1/4	63,338	1/4	75,412	1/4	87,485	1/4	99,558	1/4	111,629
1/2	3,548	1/2	15,590	1/2	27,663	1/2	39,443	1/2	51,516	1/2	63,590	1/2	75,663	1/2	87,737	1/2	99,809	1/2	111,881
3/4	3,794	3/4	15,841	3/4	27,914	3/4	39,694	3/4	51,768	3/4	63,841	3/4	75,915	3/4	87,988	3/4	100,061	3/4	112,132
7	4,041	7	16,093	7	28,166	7	39,946	7	52,019	7	64,093	7	76,166	7	88,240	7	100,312	7	112,384
1/4	4,290	1/4	16,344	1/4	28,410	1/4	40,197	1/4	52,271	1/4	64,344	1/4	76,418	1/4	88,491	1/4	100,564	1/4	112,635
1/2	4,538	1/2	16,596	1/2	28,655	1/2	40,449	1/2	52,522	1/2	64,596	1/2	76,669	1/2	88,743	1/2	100,815	1/2	112,887
3/4	4,787	3/4	16,847	3/4	28,899	3/4	40,700	3/4	52,774	3/4	64,847	3/4	76,921	3/4	88,994	3/4	101,067	3/4	113,138
8	5,036	8	17,099	8	29,144	8	40,952	8	53,025	8	65,099	8	77,172	8	89,246	8	101,318	8	113,390
1/4	5,286	1/4	17,350	1/4	29,388	1/4	41,203	1/4	53,277	1/4	65,350	1/4	77,424	1/4	89,497	1/4	101,570	1/4	113,641
1/2	5,536	1/2	17,602	1/2	29,632	1/2	41,455	1/2	53,528	1/2	65,602	1/2	77,675	1/2	89,749	1/2	101,821	1/2	113,892
3/4	5,786	3/4	17,853	3/4	29,876	3/4	41,706	3/4	53,780	3/4	65,853	3/4	77,927	3/4	90,001	3/4	102,073	3/4	114,144
9	6,036	9	18,105	9	30,120	9	41,958	9	54,031	9	66,105	9	78,178	9	90,252	9	102,324	9	114,395
1/4	6,286	1/4	18,356	1/4	30,364	1/4	42,209	1/4	54,283	1/4	66,356	1/4	78,430	1/4	90,504	1/4	102,576	1/4	114,647
1/2	6,537	1/2	18,608	1/2	30,608	1/2	42,461	1/2	54,534	1/2	66,608	1/2	78,682	1/2	90,755	1/2	102,827	1/2	114,898
3/4	6,788	3/4	18,860	3/4	30,853	3/4	42,712	3/4	54,786	3/4	66,860	3/4	78,933	3/4	91,007	3/4	103,078	3/4	115,150
10	7,039	10	19,111	10	31,097	10	42,964	10	55,038	10	67,111	10	79,185	10	91,258	10	103,330	10	115,401
1/4	7,290	1/4	19,363	1/4	31,341	1/4	43,216	1/4	55,289	1/4	67,363	1/4	79,436	1/4	91,510	1/4	103,581	1/4	115,653
1/2	7,542	1/2	19,614	1/2	31,585	1/2	43,467	1/2	55,541	1/2	67,614	1/2	79,688	1/2	91,761	1/2	103,833	1/2	115,904
3/4	7,793	3/4	19,866	3/4	31,829	3/4	43,719	3/4	55,792	3/4	67,866	3/4	79,939	3/4	92,013	3/4	104,084	3/4	116,156
11	8,044	11	20,117	11	32,073	11	43,970	11	56,044	11	68,117	11	80,191	11	92,264	11	104,336	11	116,407
1/4	8,296	1/4	20,369	1/4	32,317	1/4	44,222	1/4	56,295	1/4	68,369	1/4	80,442	1/4	92,516	1/4	104,587	1/4	116,659
1/2	8,547	1/2	20,620	1/2	32,561	1/2	44,473	1/2	56,547	1/2	68,620	1/2	80,694	1/2	92,767	1/2	104,839	1/2	116,910
3/4	8,799	3/4	20,872	3/4	32,805	3/4	44,725	3/4	56,798	3/4	68,872	3/4	80,945	3/4	93,019	3/4	105,090	3/4	117,162

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 31'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 1356"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	117,413	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: 12/21/2012 CL - SW  
CALCULATED: 12/21/2012 CL  
PRINTED: 12/21/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2012

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



# BARGE "CBC 1356"

## 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	8,048	0	18,777	0	29,493	0	40,212	0	50,942	0	61,672	0	72,402	0	83,132	0	93,861
1/4	58	1/4	8,271	1/4	19,001	1/4	29,716	1/4	40,435	1/4	51,165	1/4	61,896	1/4	72,626	1/4	83,356	1/4	94,084
1/2	77	1/2	8,495	1/2	19,224	1/2	29,939	1/2	40,659	1/2	51,389	1/2	62,119	1/2	72,849	1/2	83,579	1/2	94,308
3/4	95	3/4	8,718	3/4	19,448	3/4	30,161	3/4	40,882	3/4	51,612	3/4	62,343	3/4	73,073	3/4	83,803	3/4	94,531
1	114	1	8,942	1	19,671	1	30,384	1	41,106	1	51,836	1	62,566	1	73,296	1	84,026	1	94,755
1/4	170	1/4	9,165	1/4	19,895	1/4	30,607	1/4	41,329	1/4	52,060	1/4	62,790	1/4	73,520	1/4	84,250	1/4	94,978
1/2	226	1/2	9,389	1/2	20,119	1/2	30,830	1/2	41,553	1/2	52,283	1/2	63,013	1/2	73,744	1/2	84,474	1/2	95,202
3/4	281	3/4	9,612	3/4	20,342	3/4	31,053	3/4	41,776	3/4	52,507	3/4	63,237	3/4	73,967	3/4	84,697	3/4	95,425
2	337	2	9,836	2	20,566	2	31,276	2	42,000	2	52,730	2	63,460	2	74,191	2	84,921	2	95,649
1/4	430	1/4	10,059	1/4	20,789	1/4	31,498	1/4	42,224	1/4	52,954	1/4	63,684	1/4	74,414	1/4	85,144	1/4	95,872
1/2	524	1/2	10,283	1/2	21,013	1/2	31,721	1/2	42,447	1/2	53,177	1/2	63,908	1/2	74,638	1/2	85,368	1/2	96,096
3/4	617	3/4	10,506	3/4	21,236	3/4	31,944	3/4	42,671	3/4	53,401	3/4	64,131	3/4	74,861	3/4	85,591	3/4	96,319
3	710	3	10,730	3	21,460	3	32,167	3	42,894	3	53,624	3	64,355	3	75,085	3	85,815	3	96,543
1/4	840	1/4	10,954	1/4	21,683	1/4	32,390	1/4	43,118	1/4	53,848	1/4	64,578	1/4	75,308	1/4	86,038	1/4	96,766
1/2	971	1/2	11,177	1/2	21,907	1/2	32,613	1/2	43,341	1/2	54,071	1/2	64,802	1/2	75,532	1/2	86,262	1/2	96,990
3/4	1,101	3/4	11,401	3/4	22,130	3/4	32,835	3/4	43,565	3/4	54,295	3/4	65,025	3/4	75,755	3/4	86,485	3/4	97,213
4	1,231	4	11,624	4	22,354	4	33,058	4	43,788	4	54,519	4	65,249	4	75,979	4	86,709	4	97,437
1/4	1,399	1/4	11,848	1/4	22,577	1/4	33,282	1/4	44,012	1/4	54,742	1/4	65,472	1/4	76,203	1/4	86,932	1/4	97,660
1/2	1,567	1/2	12,071	1/2	22,801	1/2	33,505	1/2	44,235	1/2	54,966	1/2	65,696	1/2	76,426	1/2	87,156	1/2	97,884
3/4	1,734	3/4	12,295	3/4	23,025	3/4	33,729	3/4	44,459	3/4	55,189	3/4	65,919	3/4	76,650	3/4	87,379	3/4	98,108
5	1,902	5	12,518	5	23,248	5	33,952	5	44,683	5	55,413	5	66,143	5	76,873	5	87,603	5	98,331
1/4	2,106	1/4	12,742	1/4	23,472	1/4	34,176	1/4	44,906	1/4	55,636	1/4	66,367	1/4	77,097	1/4	87,826	1/4	98,555
1/2	2,311	1/2	12,965	1/2	23,695	1/2	34,399	1/2	45,130	1/2	55,860	1/2	66,590	1/2	77,320	1/2	88,050	1/2	98,778
3/4	2,515	3/4	13,189	3/4	23,919	3/4	34,623	3/4	45,353	3/4	56,083	3/4	66,814	3/4	77,544	3/4	88,273	3/4	99,002
6	2,719	6	13,412	6	24,142	6	34,847	6	45,577	6	56,307	6	67,037	6	77,767	6	88,497	6	99,225
1/4	2,938	1/4	13,636	1/4	24,365	1/4	35,070	1/4	45,800	1/4	56,530	1/4	67,261	1/4	77,991	1/4	88,720	1/4	99,449
1/2	3,158	1/2	13,860	1/2	24,589	1/2	35,294	1/2	46,024	1/2	56,754	1/2	67,484	1/2	78,214	1/2	88,944	1/2	99,672
3/4	3,377	3/4	14,083	3/4	24,812	3/4	35,517	3/4	46,247	3/4	56,978	3/4	67,708	3/4	78,438	3/4	89,167	3/4	99,896
7	3,596	7	14,307	7	25,035	7	35,741	7	46,471	7	57,201	7	67,931	7	78,662	7	89,391	7	100,119
1/4	3,817	1/4	14,530	1/4	25,258	1/4	35,964	1/4	46,694	1/4	57,425	1/4	68,155	1/4	78,885	1/4	89,614	1/4	100,343
1/2	4,038	1/2	14,754	1/2	25,481	1/2	36,188	1/2	46,918	1/2	57,648	1/2	68,378	1/2	79,109	1/2	89,838	1/2	100,566
3/4	4,259	3/4	14,977	3/4	25,704	3/4	36,411	3/4	47,142	3/4	57,872	3/4	68,602	3/4	79,332	3/4	90,061	3/4	100,790
8	4,480	8	15,201	8	25,928	8	36,635	8	47,365	8	58,095	8	68,826	8	79,556	8	90,285	8	101,013
1/4	4,702	1/4	15,424	1/4	26,151	1/4	36,858	1/4	47,589	1/4	58,319	1/4	69,049	1/4	79,779	1/4	90,508	1/4	101,237
1/2	4,924	1/2	15,648	1/2	26,373	1/2	37,082	1/2	47,812	1/2	58,542	1/2	69,273	1/2	80,003	1/2	90,732	1/2	101,460
3/4	5,146	3/4	15,871	3/4	26,596	3/4	37,306	3/4	48,036	3/4	58,766	3/4	69,496	3/4	80,226	3/4	90,955	3/4	101,684
9	5,369	9	16,095	9	26,819	9	37,529	9	48,259	9	58,989	9	69,720	9	80,450	9	91,179	9	101,907
1/4	5,591	1/4	16,318	1/4	27,042	1/4	37,753	1/4	48,483	1/4	59,213	1/4	69,943	1/4	80,673	1/4	91,402	1/4	102,131
1/2	5,814	1/2	16,542	1/2	27,265	1/2	37,976	1/2	48,706	1/2	59,437	1/2	70,167	1/2	80,897	1/2	91,626	1/2	102,354
3/4	6,037	3/4	16,765	3/4	27,487	3/4	38,200	3/4	48,930	3/4	59,660	3/4	70,390	3/4	81,121	3/4	91,849	3/4	102,578
10	6,260	10	16,989	10	27,710	10	38,423	10	49,153	10	59,884	10	70,614	10	81,344	10	92,073	10	102,801
1/4	6,483	1/4	17,213	1/4	27,933	1/4	38,647	1/4	49,377	1/4	60,107	1/4	70,837	1/4	81,568	1/4	92,296	1/4	103,025
1/2	6,707	1/2	17,436	1/2	28,156	1/2	38,870	1/2	49,601	1/2	60,331	1/2	71,061	1/2	81,791	1/2	92,520	1/2	103,248
3/4	6,930	3/4	17,660	3/4	28,379	3/4	39,094	3/4	49,824	3/4	60,554	3/4	71,285	3/4	82,015	3/4	92,743	3/4	103,472
11	7,153	11	17,883	11	28,602	11	39,317	11	50,048	11	60,778	11	71,508	11	82,238	11	92,967	11	103,695
1/4	7,377	1/4	18,107	1/4	28,824	1/4	39,541	1/4	50,271	1/4	61,001	1/4	71,732	1/4	82,462	1/4	93,190	1/4	103,919
1/2	7,601	1/2	18,330	1/2	29,047	1/2	39,765	1/2	50,495	1/2	61,225	1/2	71,955	1/2	82,685	1/2	93,414	1/2	104,142
3/4	7,824	3/4	18,554	3/4	29,270	3/4	39,988	3/4	50,718	3/4	61,448	3/4	72,179	3/4	82,909	3/4	93,637	3/4	104,366

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 23'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
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Pearland, Texas 77588

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# BARGE "CBC 1356"

## 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	104,589	0	115,318	0	126,046	0	136,716	0	147,352	0		0		0		0		0	
1/4	104,813	1/4	115,541	1/4	126,268	1/4	136,938	1/4	147,573	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,036	1/2	115,765	1/2	126,491	1/2	137,160	1/2	147,793	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,260	3/4	115,988	3/4	126,713	3/4	137,382	3/4	148,013	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	105,483	1	116,212	1	126,935	1	137,605	1	148,233	1	1	1	1	1	1	1	1	1	1
1/4	105,707	1/4	116,435	1/4	127,157	1/4	137,827	1/4	148,453	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,930	1/2	116,659	1/2	127,380	1/2	138,049	1/2	148,674	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,154	3/4	116,882	3/4	127,602	3/4	138,272	3/4	148,894	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	106,377	2	117,106	2	127,824	2	138,494	2	149,114	2	2	2	2	2	2	2	2	2	2
1/4	106,601	1/4	117,329	1/4	128,047	1/4	138,716	1/4	149,316	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,824	1/2	117,553	1/2	128,269	1/2	138,938	1/2	149,517	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,048	3/4	117,776	3/4	128,491	3/4	139,161	3/4	149,719	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	107,271	3	118,000	3	128,713	3	139,383	3	149,921	3	3	3	3	3	3	3	3	3	3
1/4	107,495	1/4	118,223	1/4	128,936	1/4	139,605	1/4	150,085	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	107,718	1/2	118,447	1/2	129,158	1/2	139,828	1/2	150,249	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,942	3/4	118,670	3/4	129,380	3/4	140,050	3/4	150,414	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	108,165	4	118,894	4	129,603	4	140,272	4	150,578	4	4	4	4	4	4	4	4	4	4
1/4	108,389	1/4	119,117	1/4	129,825	1/4	140,494	1/4	150,705	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	108,612	1/2	119,341	1/2	130,047	1/2	140,717	1/2	150,832	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,836	3/4	119,564	3/4	130,269	3/4	140,939	3/4	150,959	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	109,059	5	119,788	5	130,492	5	141,161	5	151,086	5	5	5	5	5	5	5	5	5	5
1/4	109,283	1/4	120,011	1/4	130,714	1/4	141,384	1/4	151,176	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,506	1/2	120,235	1/2	130,936	1/2	141,606	1/2	151,266	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,730	3/4	120,458	3/4	131,159	3/4	141,828	3/4	151,356	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	109,953	6	120,682	6	131,381	6	142,050	6	151,446	6	6	6	6	6	6	6	6	6	6
1/4	110,177	1/4	120,905	1/4	131,603	1/4	142,273	1/4	151,498	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,400	1/2	121,129	1/2	131,825	1/2	142,495	1/2	151,551	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,624	3/4	121,352	3/4	132,048	3/4	142,717	3/4	151,603	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	110,847	7	121,576	7	132,270	7	142,940	7	151,656	7	7	7	7	7	7	7	7	7	7
1/4	111,071	1/4	121,799	1/4	132,492	1/4	143,162	1/4	151,671	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,294	1/2	122,023	1/2	132,715	1/2	143,384	1/2	151,686	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,518	3/4	122,246	3/4	132,937	3/4	143,606	3/4	151,702	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	111,742	8	122,470	8	133,159	8	143,829	8	151,717	8	8	8	8	8	8	8	8	8	8
1/4	111,965	1/4	122,693	1/4	133,381	1/4	144,049	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,189	1/2	122,917	1/2	133,604	1/2	144,269	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,412	3/4	123,140	3/4	133,826	3/4	144,489	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	112,636	9	123,364	9	134,048	9	144,710	9		9	9	9	9	9	9	9	9	9	9
1/4	112,859	1/4	123,587	1/4	134,270	1/4	144,930	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,083	1/2	123,811	1/2	134,493	1/2	145,150	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,306	3/4	124,034	3/4	134,715	3/4	145,370	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	113,530	10	124,258	10	134,937	10	145,590	10	10	10	10	10	10	10	10	10	10	10	10
1/4	113,753	1/4	124,481	1/4	135,160	1/4	145,811	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,977	1/2	124,705	1/2	135,382	1/2	146,031	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,200	3/4	124,928	3/4	135,604	3/4	146,251	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	114,424	11	125,152	11	135,826	11	146,471	11		11	11	11	11	11	11	11	11	11	11
1/4	114,647	1/4	125,376	1/4	136,049	1/4	146,692	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,871	1/2	125,599	1/2	136,271	1/2	146,912	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	115,094	3/4	125,823	3/4	136,493	3/4	147,132	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: 12/21/2012 CL - SW  
CALCULATED: 12/21/2012 CL  
PRINTED: 12/21/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2012

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "CBC 1356"

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>										
1 CENTER	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
3 CENTER	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-1/4	01-1/4

(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"

December 21, 2012

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

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# BARGE "CBC 1356"

## 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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	147,462	0	139,970	0	130,535	0	121,084	0	111,616	0	101,035	0	90,257	0	79,478		
1/4	1/4	1/4	147,446	1/4	139,774	1/4	130,339	1/4	120,887	1/4	111,418	1/4	100,810	1/4	90,032	1/4	79,253		
1/2	1/2	1/2	147,430	1/2	139,577	1/2	130,143	1/2	120,689	1/2	111,221	1/2	100,586	1/2	89,807	1/2	79,028		
3/4	3/4	3/4	147,413	3/4	139,380	3/4	129,947	3/4	120,492	3/4	111,024	3/4	100,361	3/4	89,583	3/4	78,804		
1	1	1	147,360	1	139,183	1	129,751	1	120,295	1	110,827	1	100,137	1	89,358	1	78,579		
1/4	1/4	1/4	147,306	1/4	138,986	1/4	129,555	1/4	120,097	1/4	110,630	1/4	99,912	1/4	89,134	1/4	78,355		
1/2	1/2	1/2	147,253	1/2	138,789	1/2	129,359	1/2	119,900	1/2	110,433	1/2	99,688	1/2	88,909	1/2	78,130		
3/4	3/4	3/4	147,199	3/4	138,593	3/4	129,162	3/4	119,703	3/4	110,236	3/4	99,463	3/4	88,685	3/4	77,905		
2	2	2	147,108	2	138,396	2	128,966	2	119,505	2	110,011	2	99,239	2	88,460	2	77,681		
1/4	1/4	1/4	147,017	1/4	138,199	1/4	128,769	1/4	119,308	1/4	109,787	1/4	99,014	1/4	88,236	1/4	77,456		
1/2	1/2	1/2	146,926	1/2	138,002	1/2	128,572	1/2	119,111	1/2	109,563	1/2	98,790	1/2	88,011	1/2	77,232		
3/4	3/4	3/4	146,835	3/4	137,805	3/4	128,375	3/4	118,913	3/4	109,338	3/4	98,565	3/4	87,787	3/4	77,007		
3	3	3	146,706	3	137,609	3	128,178	3	118,716	3	109,114	3	98,340	3	87,562	3	76,783		
1/4	1/4	1/4	146,577	1/4	137,412	1/4	127,982	1/4	118,519	1/4	108,890	1/4	98,116	1/4	87,337	1/4	76,560		
1/2	1/2	1/2	146,449	1/2	137,215	1/2	127,785	1/2	118,321	1/2	108,666	1/2	97,891	1/2	87,113	1/2	76,336		
3/4	3/4	3/4	146,320	3/4	137,018	3/4	127,588	3/4	118,124	3/4	108,441	3/4	97,667	3/4	86,888	3/4	76,112		
4	4	4	146,154	4	136,821	4	127,391	4	117,927	4	108,217	4	97,442	4	86,664	4	75,889		
1/4	1/4	1/4	145,988	1/4	136,624	1/4	127,194	1/4	117,729	1/4	107,993	1/4	97,218	1/4	86,439	1/4	75,666		
1/2	1/2	1/2	145,822	1/2	136,428	1/2	126,997	1/2	117,532	1/2	107,768	1/2	96,993	1/2	86,215	1/2	75,442		
3/4	3/4	3/4	145,655	3/4	136,231	3/4	126,801	3/4	117,335	3/4	107,544	3/4	96,769	3/4	85,990	3/4	75,219		
5	5	5	145,452	5	136,034	5	126,604	5	117,137	5	107,320	5	96,544	5	85,766	5	74,996		
1/4	1/4	1/4	145,248	1/4	135,837	1/4	126,407	1/4	116,940	1/4	107,095	1/4	96,319	1/4	85,541	1/4	74,773		
1/2	1/2	1/2	145,045	1/2	135,640	1/2	126,210	1/2	116,743	1/2	106,871	1/2	96,095	1/2	85,316	1/2	74,550		
3/4	3/4	3/4	144,841	3/4	135,444	3/4	126,013	3/4	116,545	3/4	106,647	3/4	95,870	3/4	85,092	3/4	74,327		
6	6	6	144,646	6	135,247	6	125,817	6	116,348	6	106,423	6	95,646	6	84,867	6	74,104		
1/4	1/4	1/4	144,451	1/4	135,050	1/4	125,620	1/4	116,151	1/4	106,198	1/4	95,421	1/4	84,643	1/4	73,881		
1/2	1/2	1/2	144,257	1/2	134,853	1/2	125,423	1/2	115,953	1/2	105,974	1/2	95,197	1/2	84,418	1/2	73,657		
3/4	3/4	3/4	144,062	3/4	134,656	3/4	125,226	3/4	115,756	3/4	105,750	3/4	94,972	3/4	84,194	3/4	73,434		
7	7	7	143,867	7	134,460	7	125,029	7	115,559	7	105,525	7	94,748	7	83,969	7	73,211		
1/4	1/4	1/4	143,672	1/4	134,263	1/4	124,833	1/4	115,361	1/4	105,301	1/4	94,523	1/4	83,745	1/4	72,988		
1/2	1/2	1/2	143,478	1/2	134,066	1/2	124,636	1/2	115,164	1/2	105,077	1/2	94,299	1/2	83,520	1/2	72,765		
3/4	3/4	3/4	143,283	3/4	133,869	3/4	124,439	3/4	114,967	3/4	104,852	3/4	94,074	3/4	83,295	3/4	72,542		
8	8	8	143,088	8	133,673	8	124,242	8	114,769	8	104,628	8	93,849	8	83,071	8	72,319		
1/4	1/4	1/4	142,893	1/4	133,477	1/4	124,044	1/4	114,572	1/4	104,403	1/4	93,625	1/4	82,846	1/4	72,095		
1/2	1/2	1/2	142,699	1/2	133,281	1/2	123,847	1/2	114,375	1/2	104,179	1/2	93,400	1/2	82,622	1/2	71,872		
3/4	3/4	3/4	142,504	3/4	133,085	3/4	123,650	3/4	114,178	3/4	103,954	3/4	93,176	3/4	82,397	3/4	71,649		
9	9	9	142,309	9	132,889	9	123,452	9	113,981	9	103,730	9	92,951	9	82,173	9	71,426		
1/4	1/4	1/4	142,115	1/4	132,692	1/4	123,255	1/4	113,784	1/4	103,505	1/4	92,727	1/4	81,948	1/4	71,203		
1/2	1/2	1/2	141,920	1/2	132,496	1/2	123,058	1/2	113,587	1/2	103,281	1/2	92,502	1/2	81,723	1/2	70,980		
3/4	3/4	3/4	141,725	3/4	132,300	3/4	122,860	3/4	113,390	3/4	103,056	3/4	92,278	3/4	81,499	3/4	70,757		
10	10	10	141,530	10	132,104	10	122,663	10	113,193	10	102,831	10	92,053	10	81,274	10	70,534		
1/4	1/4	1/4	141,336	1/4	131,908	1/4	122,465	1/4	112,995	1/4	102,607	1/4	91,828	1/4	81,050	1/4	70,310		
1/2	1/2	1/2	141,141	1/2	131,712	1/2	122,268	1/2	112,798	1/2	102,382	1/2	91,604	1/2	80,825	1/2	70,087		
3/4	3/4	3/4	140,946	3/4	131,516	3/4	122,071	3/4	112,601	3/4	102,158	3/4	91,379	3/4	80,600	3/4	69,864		
11	11	11	140,751	11	131,320	11	121,873	11	112,404	11	101,933	11	91,155	11	80,376	11	69,640		
1/4	1/4	1/4	140,557	1/4	131,124	1/4	121,676	1/4	112,207	1/4	101,709	1/4	90,930	1/4	80,151	1/4	69,416		
1/2	1/2	1/2	140,362	1/2	130,927	1/2	121,479	1/2	112,010	1/2	101,484	1/2	90,706	1/2	79,927	1/2	69,192		
3/4	3/4	3/4	147,478	3/4	140,167	3/4	130,731	3/4	121,281	3/4	111,813	3/4	101,260	3/4	79,702	3/4	68,969		

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 27'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 1356"

## 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	68,745	0	57,974	0	47,199	0	36,423	0	25,840	0	15,079	0	4,287	0		0		0	
1/4	68,521	1/4	57,749	1/4	46,974	1/4	36,199	1/4	25,621	1/4	14,854	1/4	4,065	1/4	1/4		1/4		1/4
1/2	68,297	1/2	57,525	1/2	46,750	1/2	35,974	1/2	25,402	1/2	14,629	1/2	3,842	1/2	1/2		1/2		1/2
3/4	68,073	3/4	57,300	3/4	46,525	3/4	35,750	3/4	25,183	3/4	14,404	3/4	3,620	3/4	3/4		3/4		3/4
1	67,849	1	57,076	1	46,301	1	35,525	1	24,964	1	14,179	1	3,399	1	1		1		1
1/4	67,625	1/4	56,851	1/4	46,076	1/4	35,301	1/4	24,745	1/4	13,954	1/4	3,179	1/4	1/4		1/4		1/4
1/2	67,401	1/2	56,627	1/2	45,852	1/2	35,076	1/2	24,526	1/2	13,729	1/2	2,958	1/2	1/2		1/2		1/2
3/4	67,177	3/4	56,402	3/4	45,627	3/4	34,852	3/4	24,307	3/4	13,504	3/4	2,737	3/4	3/4		3/4		3/4
2	66,953	2	56,178	2	45,403	2	34,628	2	24,082	2	13,278	2	2,532	2	2		2		2
1/4	66,728	1/4	55,953	1/4	45,178	1/4	34,403	1/4	23,856	1/4	13,053	1/4	2,326	1/4	1/4		1/4		1/4
1/2	66,504	1/2	55,729	1/2	44,954	1/2	34,179	1/2	23,631	1/2	12,828	1/2	2,120	1/2	1/2		1/2		1/2
3/4	66,279	3/4	55,504	3/4	44,729	3/4	33,954	3/4	23,406	3/4	12,603	3/4	1,915	3/4	3/4		3/4		3/4
3	66,055	3	55,280	3	44,505	3	33,730	3	23,181	3	12,378	3	1,746	3	3		3		3
1/4	65,831	1/4	55,055	1/4	44,280	1/4	33,505	1/4	22,956	1/4	12,153	1/4	1,577	1/4	1/4		1/4		1/4
1/2	65,606	1/2	54,831	1/2	44,056	1/2	33,281	1/2	22,731	1/2	11,928	1/2	1,408	1/2	1/2		1/2		1/2
3/4	65,382	3/4	54,606	3/4	43,831	3/4	33,056	3/4	22,506	3/4	11,703	3/4	1,240	3/4	3/4		3/4		3/4
4	65,157	4	54,382	4	43,607	4	32,837	4	22,281	4	11,478	4	1,108	4	4		4		4
1/4	64,933	1/4	54,157	1/4	43,382	1/4	32,619	1/4	22,056	1/4	11,253	1/4	977	1/4	1/4		1/4		1/4
1/2	64,708	1/2	53,933	1/2	43,158	1/2	32,400	1/2	21,831	1/2	11,028	1/2	846	1/2	1/2		1/2		1/2
3/4	64,484	3/4	53,709	3/4	42,933	3/4	32,182	3/4	21,606	3/4	10,803	3/4	715	3/4	3/4		3/4		3/4
5	64,259	5	53,484	5	42,709	5	31,963	5	21,381	5	10,578	5	621	5	5		5		5
1/4	64,035	1/4	53,260	1/4	42,484	1/4	31,744	1/4	21,156	1/4	10,353	1/4	527	1/4	1/4		1/4		1/4
1/2	63,810	1/2	53,035	1/2	42,260	1/2	31,526	1/2	20,931	1/2	10,128	1/2	433	1/2	1/2		1/2		1/2
3/4	63,586	3/4	52,811	3/4	42,035	3/4	31,307	3/4	20,706	3/4	9,902	3/4	339	3/4	3/4		3/4		3/4
6	63,361	6	52,586	6	41,811	6	31,088	6	20,481	6	9,677	6	283	6	6		6		6
1/4	63,137	1/4	52,362	1/4	41,586	1/4	30,870	1/4	20,255	1/4	9,452	1/4	227	1/4	1/4		1/4		1/4
1/2	62,912	1/2	52,137	1/2	41,362	1/2	30,651	1/2	20,030	1/2	9,227	1/2	171	1/2	1/2		1/2		1/2
3/4	62,688	3/4	51,913	3/4	41,138	3/4	30,432	3/4	19,805	3/4	9,002	3/4	114	3/4	3/4		3/4		3/4
7	62,463	7	51,688	7	40,913	7	30,214	7	19,580	7	8,777	7	96	7	7		7		7
1/4	62,239	1/4	51,464	1/4	40,689	1/4	29,995	1/4	19,355	1/4	8,552	1/4	77	1/4	1/4		1/4		1/4
1/2	62,014	1/2	51,239	1/2	40,464	1/2	29,776	1/2	19,130	1/2	8,327	1/2	58	1/2	1/2		1/2		1/2
3/4	61,790	3/4	51,015	3/4	40,240	3/4	29,558	3/4	18,905	3/4	8,102	3/4	39	3/4	3/4		3/4		3/4
8	61,565	8	50,790	8	40,015	8	29,339	8	18,680	8	7,877	8		8	8		8		8
1/4	61,341	1/4	50,566	1/4	39,791	1/4	29,120	1/4	18,455	1/4	7,652	1/4		1/4	1/4		1/4		1/4
1/2	61,116	1/2	50,341	1/2	39,566	1/2	28,902	1/2	18,230	1/2	7,427	1/2		1/2	1/2		1/2		1/2
3/4	60,892	3/4	50,117	3/4	39,342	3/4	28,683	3/4	18,005	3/4	7,202	3/4		3/4	3/4		3/4		3/4
9	60,667	9	49,892	9	39,117	9	28,464	9	17,780	9	6,977	9		9	9		9		9
1/4	60,443	1/4	49,668	1/4	38,893	1/4	28,246	1/4	17,555	1/4	6,752	1/4		1/4	1/4		1/4		1/4
1/2	60,218	1/2	49,443	1/2	38,668	1/2	28,027	1/2	17,330	1/2	6,527	1/2		1/2	1/2		1/2		1/2
3/4	59,994	3/4	49,219	3/4	38,444	3/4	27,808	3/4	17,105	3/4	6,302	3/4		3/4	3/4		3/4		3/4
10	59,770	10	48,994	10	38,219	10	27,590	10	16,879	10	6,078	10		10	10		10		10
1/4	59,545	1/4	48,770	1/4	37,995	1/4	27,371	1/4	16,654	1/4	5,853	1/4		1/4	1/4		1/4		1/4
1/2	59,321	1/2	48,545	1/2	37,770	1/2	27,152	1/2	16,429	1/2	5,629	1/2		1/2	1/2		1/2		1/2
3/4	59,096	3/4	48,321	3/4	37,546	3/4	26,934	3/4	16,204	3/4	5,405	3/4		3/4	3/4		3/4		3/4
11	58,872	11	48,096	11	37,321	11	26,715	11	15,979	11	5,181	11		11	11		11		11
1/4	58,647	1/4	47,872	1/4	37,097	1/4	26,496	1/4	15,754	1/4	4,957	1/4		1/4	1/4		1/4		1/4
1/2	58,423	1/2	47,647	1/2	36,872	1/2	26,278	1/2	15,529	1/2	4,734	1/2		1/2	1/2		1/2		1/2
3/4	58,198	3/4	47,423	3/4	36,648	3/4	26,059	3/4	15,304	3/4	4,510	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2012 CL - SW  
CALCULATED: 12/21/2012 CL  
PRINTED: 12/21/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2012

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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Pearland, Texas 77588  
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# BARGE "CBC 1356"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

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

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 31'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 1356"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	77,424	0	65,350	0	53,277	0	41,203	0	29,388	0	17,350	0	5,286	0		0		0	
1/4	77,172	1/4	65,099	1/4	53,025	1/4	40,952	1/4	29,144	1/4	17,099	1/4	5,036	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,921	1/2	64,847	1/2	52,774	1/2	40,700	1/2	28,899	1/2	16,847	1/2	4,787	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,669	3/4	64,596	3/4	52,522	3/4	40,449	3/4	28,655	3/4	16,596	3/4	4,538	3/4	3/4	3/4	3/4	3/4	3/4
1	76,418	1	64,344	1	52,271	1	40,197	1	28,410	1	16,344	1	4,290	1	1	1	1	1	1
1/4	76,166	1/4	64,093	1/4	52,019	1/4	39,946	1/4	28,166	1/4	16,093	1/4	4,041	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,915	1/2	63,841	1/2	51,768	1/2	39,694	1/2	27,914	1/2	15,841	1/2	3,794	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,663	3/4	63,590	3/4	51,516	3/4	39,443	3/4	27,663	3/4	15,590	3/4	3,548	3/4	3/4	3/4	3/4	3/4	3/4
2	75,412	2	63,338	2	51,265	2	39,191	2	27,411	2	15,338	2	3,301	2	2	2	2	2	2
1/4	75,160	1/4	63,087	1/4	51,013	1/4	38,939	1/4	27,160	1/4	15,087	1/4	3,055	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,909	1/2	62,835	1/2	50,761	1/2	38,688	1/2	26,908	1/2	14,835	1/2	2,825	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,657	3/4	62,584	3/4	50,510	3/4	38,436	3/4	26,657	3/4	14,584	3/4	2,595	3/4	3/4	3/4	3/4	3/4	3/4
3	74,406	3	62,332	3	50,258	3	38,185	3	26,405	3	14,332	3	2,365	3	3	3	3	3	3
1/4	74,154	1/4	62,080	1/4	50,007	1/4	37,933	1/4	26,154	1/4	14,081	1/4	2,135	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,902	1/2	61,829	1/2	49,755	1/2	37,689	1/2	25,902	1/2	13,829	1/2	1,947	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,651	3/4	61,577	3/4	49,504	3/4	37,444	3/4	25,651	3/4	13,578	3/4	1,758	3/4	3/4	3/4	3/4	3/4	3/4
4	73,399	4	61,326	4	49,252	4	37,200	4	25,399	4	13,326	4	1,569	4	4	4	4	4	4
1/4	73,148	1/4	61,074	1/4	49,001	1/4	36,955	1/4	25,148	1/4	13,074	1/4	1,381	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,896	1/2	60,823	1/2	48,749	1/2	36,711	1/2	24,896	1/2	12,823	1/2	1,234	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,645	3/4	60,571	3/4	48,498	3/4	36,467	3/4	24,645	3/4	12,571	3/4	1,087	3/4	3/4	3/4	3/4	3/4	3/4
5	72,393	5	60,320	5	48,246	5	36,223	5	24,393	5	12,320	5	940	5	5	5	5	5	5
1/4	72,142	1/4	60,068	1/4	47,995	1/4	35,979	1/4	24,141	1/4	12,068	1/4	794	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,890	1/2	59,817	1/2	47,743	1/2	35,735	1/2	23,890	1/2	11,817	1/2	689	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,639	3/4	59,565	3/4	47,492	3/4	35,491	3/4	23,638	3/4	11,565	3/4	584	3/4	3/4	3/4	3/4	3/4	3/4
6	71,387	6	59,314	6	47,240	6	35,247	6	23,387	6	11,314	6	479	6	6	6	6	6	6
1/4	71,136	1/4	59,062	1/4	46,989	1/4	35,003	1/4	23,135	1/4	11,062	1/4	375	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,884	1/2	58,811	1/2	46,737	1/2	34,758	1/2	22,884	1/2	10,811	1/2	312	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,633	3/4	58,559	3/4	46,485	3/4	34,514	3/4	22,632	3/4	10,559	3/4	249	3/4	3/4	3/4	3/4	3/4	3/4
7	70,381	7	58,307	7	46,234	7	34,270	7	22,381	7	10,308	7	186	7	7	7	7	7	7
1/4	70,129	1/4	58,056	1/4	45,982	1/4	34,026	1/4	22,129	1/4	10,056	1/4	123	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,878	1/2	57,804	1/2	45,731	1/2	33,782	1/2	21,878	1/2	9,805	1/2	102	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,626	3/4	57,553	3/4	45,479	3/4	33,538	3/4	21,626	3/4	9,553	3/4	81	3/4	3/4	3/4	3/4	3/4	3/4
8	69,375	8	57,301	8	45,228	8	33,294	8	21,375	8	9,302	8	60	8	8	8	8	8	8
1/4	69,123	1/4	57,050	1/4	44,976	1/4	33,050	1/4	21,123	1/4	9,050	1/4	39	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,872	1/2	56,798	1/2	44,725	1/2	32,805	1/2	20,872	1/2	8,799	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,620	3/4	56,547	3/4	44,473	3/4	32,561	3/4	20,620	3/4	8,547	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	68,369	9	56,295	9	44,222	9	32,317	9	20,369	9	8,296	9		9	9	9	9	9	9
1/4	68,117	1/4	56,044	1/4	43,970	1/4	32,073	1/4	20,117	1/4	8,044	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,866	1/2	55,792	1/2	43,719	1/2	31,829	1/2	19,866	1/2	7,793	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,614	3/4	55,541	3/4	43,467	3/4	31,585	3/4	19,614	3/4	7,542	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	67,363	10	55,289	10	43,216	10	31,341	10	19,363	10	7,290	10		10	10	10	10	10	10
1/4	67,111	1/4	55,038	1/4	42,964	1/4	31,097	1/4	19,111	1/4	7,039	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,860	1/2	54,786	1/2	42,712	1/2	30,853	1/2	18,860	1/2	6,788	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,608	3/4	54,534	3/4	42,461	3/4	30,608	3/4	18,608	3/4	6,537	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	66,356	11	54,283	11	42,209	11	30,364	11	18,356	11	6,286	11		11	11	11	11	11	11
1/4	66,105	1/4	54,031	1/4	41,958	1/4	30,120	1/4	18,105	1/4	6,036	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,853	1/2	53,780	1/2	41,706	1/2	29,876	1/2	17,853	1/2	5,786	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,602	3/4	53,528	3/4	41,455	3/4	29,632	3/4	17,602	3/4	5,536	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2012 CL - SW  
CALCULATED: 12/21/2012 CL  
PRINTED: 12/21/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2012

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



# BARGE "CBC 1356"

## 3 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	151,717	0	143,829	0	133,159	0	122,470	0	111,742	0	101,013	0	90,285	0	79,556
1/4	1/4	1/4	1/4	1/4	151,702	1/4	143,606	1/4	132,937	1/4	122,246	1/4	111,518	1/4	100,790	1/4	90,061	1/4	79,332
1/2	1/2	1/2	1/2	1/2	151,686	1/2	143,384	1/2	132,715	1/2	122,023	1/2	111,294	1/2	100,566	1/2	89,838	1/2	79,109
3/4	3/4	3/4	3/4	3/4	151,671	3/4	143,162	3/4	132,492	3/4	121,799	3/4	111,071	3/4	100,343	3/4	89,614	3/4	78,885
1		1		1	151,656	1	142,940	1	132,270	1	121,576	1	110,847	1	100,119	1	89,391	1	78,662
1/4	1/4	1/4	1/4	1/4	151,603	1/4	142,717	1/4	132,048	1/4	121,352	1/4	110,624	1/4	99,896	1/4	89,167	1/4	78,438
1/2	1/2	1/2	1/2	1/2	151,551	1/2	142,495	1/2	131,825	1/2	121,129	1/2	110,400	1/2	99,672	1/2	88,944	1/2	78,214
3/4	3/4	3/4	3/4	3/4	151,498	3/4	142,273	3/4	131,603	3/4	120,905	3/4	110,177	3/4	99,449	3/4	88,720	3/4	77,991
2		2		2	151,446	2	142,050	2	131,381	2	120,682	2	109,953	2	99,225	2	88,497	2	77,767
1/4	1/4	1/4	1/4	1/4	151,356	1/4	141,828	1/4	131,159	1/4	120,458	1/4	109,730	1/4	99,002	1/4	88,273	1/4	77,544
1/2	1/2	1/2	1/2	1/2	151,266	1/2	141,606	1/2	130,936	1/2	120,235	1/2	109,506	1/2	98,778	1/2	88,050	1/2	77,320
3/4	3/4	3/4	3/4	3/4	151,176	3/4	141,384	3/4	130,714	3/4	120,011	3/4	109,283	3/4	98,555	3/4	87,826	3/4	77,097
3		3		3	151,086	3	141,161	3	130,492	3	119,788	3	109,059	3	98,331	3	87,603	3	76,873
1/4	1/4	1/4	1/4	1/4	150,959	1/4	140,939	1/4	130,269	1/4	119,564	1/4	108,836	1/4	98,108	1/4	87,379	1/4	76,650
1/2	1/2	1/2	1/2	1/2	150,832	1/2	140,717	1/2	130,047	1/2	119,341	1/2	108,612	1/2	97,884	1/2	87,156	1/2	76,426
3/4	3/4	3/4	3/4	3/4	150,705	3/4	140,494	3/4	129,825	3/4	119,117	3/4	108,389	3/4	97,660	3/4	86,932	3/4	76,203
4		4		4	150,578	4	140,272	4	129,603	4	118,894	4	108,165	4	97,437	4	86,709	4	75,979
1/4	1/4	1/4	1/4	1/4	150,414	1/4	140,050	1/4	129,380	1/4	118,670	1/4	107,942	1/4	97,213	1/4	86,485	1/4	75,755
1/2	1/2	1/2	1/2	1/2	150,249	1/2	139,828	1/2	129,158	1/2	118,447	1/2	107,718	1/2	96,990	1/2	86,262	1/2	75,532
3/4	3/4	3/4	3/4	3/4	150,085	3/4	139,605	3/4	128,936	3/4	118,223	3/4	107,495	3/4	96,766	3/4	86,038	3/4	75,308
5		5		5	149,921	5	139,383	5	128,713	5	118,000	5	107,271	5	96,543	5	85,815	5	75,085
1/4	1/4	1/4	1/4	1/4	149,719	1/4	139,161	1/4	128,491	1/4	117,776	1/4	107,048	1/4	96,319	1/4	85,591	1/4	74,861
1/2	1/2	1/2	1/2	1/2	149,517	1/2	138,938	1/2	128,269	1/2	117,553	1/2	106,824	1/2	96,096	1/2	85,368	1/2	74,638
3/4	3/4	3/4	3/4	3/4	149,316	3/4	138,716	3/4	128,047	3/4	117,329	3/4	106,601	3/4	95,872	3/4	85,144	3/4	74,414
6		6		6	149,114	6	138,494	6	127,824	6	117,106	6	106,377	6	95,649	6	84,921	6	74,191
1/4	1/4	1/4	1/4	1/4	148,894	1/4	138,272	1/4	127,602	1/4	116,882	1/4	106,154	1/4	95,425	1/4	84,697	1/4	73,967
1/2	1/2	1/2	1/2	1/2	148,674	1/2	138,049	1/2	127,380	1/2	116,659	1/2	105,930	1/2	95,202	1/2	84,474	1/2	73,744
3/4	3/4	3/4	3/4	3/4	148,453	3/4	137,827	3/4	127,157	3/4	116,435	3/4	105,707	3/4	94,978	3/4	84,250	3/4	73,520
7		7		7	148,233	7	137,605	7	126,935	7	116,212	7	105,483	7	94,755	7	84,026	7	73,296
1/4	1/4	1/4	1/4	1/4	148,013	1/4	137,382	1/4	126,713	1/4	115,988	1/4	105,260	1/4	94,531	1/4	83,803	1/4	73,073
1/2	1/2	1/2	1/2	1/2	147,793	1/2	137,160	1/2	126,491	1/2	115,765	1/2	105,036	1/2	94,308	1/2	83,579	1/2	72,849
3/4	3/4	3/4	3/4	3/4	147,573	3/4	136,938	3/4	126,268	3/4	115,541	3/4	104,813	3/4	94,084	3/4	83,356	3/4	72,626
8		8		8	147,352	8	136,716	8	126,046	8	115,318	8	104,589	8	93,861	8	83,132	8	72,402
1/4	1/4	1/4	1/4	1/4	147,132	1/4	136,493	1/4	125,823	1/4	115,094	1/4	104,366	1/4	93,637	1/4	82,909	1/4	72,179
1/2	1/2	1/2	1/2	1/2	146,912	1/2	136,271	1/2	125,599	1/2	114,871	1/2	104,142	1/2	93,414	1/2	82,685	1/2	71,955
3/4	3/4	3/4	3/4	3/4	146,692	3/4	136,049	3/4	125,376	3/4	114,647	3/4	103,919	3/4	93,190	3/4	82,462	3/4	71,732
9		9		9	146,471	9	135,826	9	125,152	9	114,424	9	103,695	9	92,967	9	82,238	9	71,508
1/4	1/4	1/4	1/4	1/4	146,251	1/4	135,604	1/4	124,928	1/4	114,200	1/4	103,472	1/4	92,743	1/4	82,015	1/4	71,285
1/2	1/2	1/2	1/2	1/2	146,031	1/2	135,382	1/2	124,705	1/2	113,977	1/2	103,248	1/2	92,520	1/2	81,791	1/2	71,061
3/4	3/4	3/4	3/4	3/4	145,811	3/4	135,160	3/4	124,481	3/4	113,753	3/4	103,025	3/4	92,296	3/4	81,568	3/4	70,837
10		10		10	145,590	10	134,937	10	124,258	10	113,530	10	102,801	10	92,073	10	81,344	10	70,614
1/4	1/4	1/4	1/4	1/4	145,370	1/4	134,715	1/4	124,034	1/4	113,306	1/4	102,578	1/4	91,849	1/4	81,121	1/4	70,390
1/2	1/2	1/2	1/2	1/2	145,150	1/2	134,493	1/2	123,811	1/2	113,083	1/2	102,354	1/2	91,626	1/2	80,897	1/2	70,167
3/4	3/4	3/4	3/4	3/4	144,930	3/4	134,270	3/4	123,587	3/4	112,859	3/4	102,131	3/4	91,402	3/4	80,673	3/4	69,943
11		11		11	144,710	11	134,048	11	123,364	11	112,636	11	101,907	11	91,179	11	80,450	11	69,720
1/4	1/4	1/4	1/4	1/4	144,489	1/4	133,826	1/4	123,140	1/4	112,412	1/4	101,684	1/4	90,955	1/4	80,226	1/4	69,496
1/2	1/2	1/2	1/2	1/2	144,269	1/2	133,604	1/2	122,917	1/2	112,189	1/2	101,460	1/2	90,732	1/2	80,003	1/2	69,273
3/4	3/4	3/4	3/4	3/4	144,049	3/4	133,381	3/4	122,693	3/4	111,965	3/4	101,237	3/4	90,508	3/4	79,779	3/4	69,049

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 23'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "CBC 1356"

## 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	68,826	0	58,095	0	47,365	0	36,635	0	25,928	0	15,201	0	4,480	0		0		0	
1/4	68,602	1/4	57,872	1/4	47,142	1/4	36,411	1/4	25,704	1/4	14,977	1/4	4,259	1/4	1/4		1/4		1/4
1/2	68,378	1/2	57,648	1/2	46,918	1/2	36,188	1/2	25,481	1/2	14,754	1/2	4,038	1/2	1/2		1/2		1/2
3/4	68,155	3/4	57,425	3/4	46,694	3/4	35,964	3/4	25,258	3/4	14,530	3/4	3,817	3/4	3/4		3/4		3/4
1	67,931	1	57,201	1	46,471	1	35,741	1	25,035	1	14,307	1	3,596	1	1		1		1
1/4	67,708	1/4	56,978	1/4	46,247	1/4	35,517	1/4	24,812	1/4	14,083	1/4	3,377	1/4	1/4		1/4		1/4
1/2	67,484	1/2	56,754	1/2	46,024	1/2	35,294	1/2	24,589	1/2	13,860	1/2	3,158	1/2	1/2		1/2		1/2
3/4	67,261	3/4	56,530	3/4	45,800	3/4	35,070	3/4	24,365	3/4	13,636	3/4	2,938	3/4	3/4		3/4		3/4
2	67,037	2	56,307	2	45,577	2	34,847	2	24,142	2	13,412	2	2,719	2	2		2		2
1/4	66,814	1/4	56,083	1/4	45,353	1/4	34,623	1/4	23,919	1/4	13,189	1/4	2,515	1/4	1/4		1/4		1/4
1/2	66,590	1/2	55,860	1/2	45,130	1/2	34,399	1/2	23,695	1/2	12,965	1/2	2,311	1/2	1/2		1/2		1/2
3/4	66,367	3/4	55,636	3/4	44,906	3/4	34,176	3/4	23,472	3/4	12,742	3/4	2,106	3/4	3/4		3/4		3/4
3	66,143	3	55,413	3	44,683	3	33,952	3	23,248	3	12,518	3	1,902	3	3		3		3
1/4	65,919	1/4	55,189	1/4	44,459	1/4	33,729	1/4	23,025	1/4	12,295	1/4	1,734	1/4	1/4		1/4		1/4
1/2	65,696	1/2	54,966	1/2	44,235	1/2	33,505	1/2	22,801	1/2	12,071	1/2	1,567	1/2	1/2		1/2		1/2
3/4	65,472	3/4	54,742	3/4	44,012	3/4	33,282	3/4	22,577	3/4	11,848	3/4	1,399	3/4	3/4		3/4		3/4
4	65,249	4	54,519	4	43,788	4	33,058	4	22,354	4	11,624	4	1,231	4	4		4		4
1/4	65,025	1/4	54,295	1/4	43,565	1/4	32,835	1/4	22,130	1/4	11,401	1/4	1,101	1/4	1/4		1/4		1/4
1/2	64,802	1/2	54,071	1/2	43,341	1/2	32,613	1/2	21,907	1/2	11,177	1/2	971	1/2	1/2		1/2		1/2
3/4	64,578	3/4	53,848	3/4	43,118	3/4	32,390	3/4	21,683	3/4	10,954	3/4	840	3/4	3/4		3/4		3/4
5	64,355	5	53,624	5	42,894	5	32,167	5	21,460	5	10,730	5	710	5	5		5		5
1/4	64,131	1/4	53,401	1/4	42,671	1/4	31,944	1/4	21,236	1/4	10,506	1/4	617	1/4	1/4		1/4		1/4
1/2	63,908	1/2	53,177	1/2	42,447	1/2	31,721	1/2	21,013	1/2	10,283	1/2	524	1/2	1/2		1/2		1/2
3/4	63,684	3/4	52,954	3/4	42,224	3/4	31,498	3/4	20,789	3/4	10,059	3/4	430	3/4	3/4		3/4		3/4
6	63,460	6	52,730	6	42,000	6	31,276	6	20,566	6	9,836	6	337	6	6		6		6
1/4	63,237	1/4	52,507	1/4	41,776	1/4	31,053	1/4	20,342	1/4	9,612	1/4	281	1/4	1/4		1/4		1/4
1/2	63,013	1/2	52,283	1/2	41,553	1/2	30,830	1/2	20,119	1/2	9,389	1/2	226	1/2	1/2		1/2		1/2
3/4	62,790	3/4	52,060	3/4	41,329	3/4	30,607	3/4	19,895	3/4	9,165	3/4	170	3/4	3/4		3/4		3/4
7	62,566	7	51,836	7	41,106	7	30,384	7	19,671	7	8,942	7	114	7	7		7		7
1/4	62,343	1/4	51,612	1/4	40,882	1/4	30,161	1/4	19,448	1/4	8,718	1/4	95	1/4	1/4		1/4		1/4
1/2	62,119	1/2	51,389	1/2	40,659	1/2	29,939	1/2	19,224	1/2	8,495	1/2	77	1/2	1/2		1/2		1/2
3/4	61,896	3/4	51,165	3/4	40,435	3/4	29,716	3/4	19,001	3/4	8,271	3/4	58	3/4	3/4		3/4		3/4
8	61,672	8	50,942	8	40,212	8	29,493	8	18,777	8	8,048	8	39	8	8		8		8
1/4	61,448	1/4	50,718	1/4	39,988	1/4	29,270	1/4	18,554	1/4	7,824	1/4		1/4	1/4		1/4		1/4
1/2	61,225	1/2	50,495	1/2	39,765	1/2	29,047	1/2	18,330	1/2	7,601	1/2		1/2	1/2		1/2		1/2
3/4	61,001	3/4	50,271	3/4	39,541	3/4	28,824	3/4	18,107	3/4	7,377	3/4		3/4	3/4		3/4		3/4
9	60,778	9	50,048	9	39,317	9	28,602	9	17,883	9	7,153	9		9	9		9		9
1/4	60,554	1/4	49,824	1/4	39,094	1/4	28,379	1/4	17,660	1/4	6,930	1/4		1/4	1/4		1/4		1/4
1/2	60,331	1/2	49,601	1/2	38,870	1/2	28,156	1/2	17,436	1/2	6,707	1/2		1/2	1/2		1/2		1/2
3/4	60,107	3/4	49,377	3/4	38,647	3/4	27,933	3/4	17,213	3/4	6,483	3/4		3/4	3/4		3/4		3/4
10	59,884	10	49,153	10	38,423	10	27,710	10	16,989	10	6,260	10		10	10		10		10
1/4	59,660	1/4	48,930	1/4	38,200	1/4	27,487	1/4	16,765	1/4	6,037	1/4		1/4	1/4		1/4		1/4
1/2	59,437	1/2	48,706	1/2	37,976	1/2	27,265	1/2	16,542	1/2	5,814	1/2		1/2	1/2		1/2		1/2
3/4	59,213	3/4	48,483	3/4	37,753	3/4	27,042	3/4	16,318	3/4	5,591	3/4		3/4	3/4		3/4		3/4
11	58,989	11	48,259	11	37,529	11	26,819	11	16,095	11	5,369	11		11	11		11		11
1/4	58,766	1/4	48,036	1/4	37,306	1/4	26,596	1/4	15,871	1/4	5,146	1/4		1/4	1/4		1/4		1/4
1/2	58,542	1/2	47,812	1/2	37,082	1/2	26,373	1/2	15,648	1/2	4,924	1/2		1/2	1/2		1/2		1/2
3/4	58,319	3/4	47,589	3/4	36,858	3/4	26,151	3/4	15,424	3/4	4,702	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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