



# BARGE "CBC 127"

## ULLAGE TRIM TABLE

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

(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 1 CENTER IS 00-3/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 3/8"

LENGTH BETWEEN DRAFT MARKS: 162'-09"

November 6, 2014

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

<http://www.pmacorp.net>



# BARGE "CBC 127"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-10 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		0		0		0	143,071	0	132,790	0	122,479	0	112,113	0	101,746	0	91,380	0	81,014
1/4		1/4		1/4		1/4	142,858	1/4	132,576	1/4	122,263	1/4	111,897	1/4	101,530	1/4	91,164	1/4	80,798
1/2		1/2		1/2		1/2	142,646	1/2	132,361	1/2	122,047	1/2	111,681	1/2	101,315	1/2	90,948	1/2	80,582
3/4		3/4		3/4		3/4	142,433	3/4	132,146	3/4	121,831	3/4	111,465	3/4	101,099	3/4	90,732	3/4	80,366
1		1		1		1	142,220	1	131,931	1	121,615	1	111,249	1	100,883	1	90,516	1	80,150
1/4		1/4		1/4		1/4	142,008	1/4	131,717	1/4	121,399	1/4	111,033	1/4	100,667	1/4	90,300	1/4	79,934
1/2		1/2		1/2		1/2	141,795	1/2	131,502	1/2	121,183	1/2	110,817	1/2	100,451	1/2	90,084	1/2	79,718
3/4		3/4		3/4		3/4	141,582	3/4	131,287	3/4	120,967	3/4	110,601	3/4	100,235	3/4	89,868	3/4	79,502
2		2		2		2	141,370	2	131,072	2	120,751	2	110,385	2	100,019	2	89,652	2	79,286
1/4		1/4		1/4		1/4	141,157	1/4	130,858	1/4	120,535	1/4	110,169	1/4	99,803	1/4	89,436	1/4	79,070
1/2		1/2		1/2		1/2	140,944	1/2	130,643	1/2	120,319	1/2	109,953	1/2	99,587	1/2	89,220	1/2	78,854
3/4		3/4		3/4		3/4	140,732	3/4	130,428	3/4	120,104	3/4	109,737	3/4	99,371	3/4	89,005	3/4	78,638
3		3		3		3	140,518	3	130,213	3	119,888	3	109,521	3	99,155	3	88,789	3	78,422
1/4		1/4		1/4	148,332	1/4	140,304	1/4	129,999	1/4	119,672	1/4	109,305	1/4	98,939	1/4	88,573	1/4	78,206
1/2		1/2		1/2	148,311	1/2	140,090	1/2	129,784	1/2	119,456	1/2	109,089	1/2	98,723	1/2	88,357	1/2	77,990
3/4		3/4		3/4	148,290	3/4	139,877	3/4	129,569	3/4	119,240	3/4	108,873	3/4	98,507	3/4	88,141	3/4	77,774
4		4		4	148,239	4	139,662	4	129,354	4	119,024	4	108,657	4	98,291	4	87,925	4	77,558
1/4		1/4		1/4	148,189	1/4	139,447	1/4	129,140	1/4	118,808	1/4	108,441	1/4	98,075	1/4	87,709	1/4	77,342
1/2		1/2		1/2	148,138	1/2	139,232	1/2	128,925	1/2	118,592	1/2	108,225	1/2	97,859	1/2	87,493	1/2	77,126
3/4		3/4		3/4	148,087	3/4	139,018	3/4	128,710	3/4	118,376	3/4	108,009	3/4	97,643	3/4	87,277	3/4	76,910
5		5		5	148,001	5	138,803	5	128,496	5	118,160	5	107,793	5	97,427	5	87,061	5	76,694
1/4		1/4		1/4	147,914	1/4	138,588	1/4	128,281	1/4	117,944	1/4	107,578	1/4	97,211	1/4	86,845	1/4	76,478
1/2		1/2		1/2	147,827	1/2	138,374	1/2	128,066	1/2	117,728	1/2	107,362	1/2	96,995	1/2	86,629	1/2	76,262
3/4		3/4		3/4	147,740	3/4	138,159	3/4	127,851	3/4	117,512	3/4	107,146	3/4	96,779	3/4	86,413	3/4	76,046
6		6		6	147,618	6	137,944	6	127,637	6	117,296	6	106,930	6	96,563	6	86,197	6	75,830
1/4		1/4		1/4	147,495	1/4	137,729	1/4	127,422	1/4	117,080	1/4	106,714	1/4	96,347	1/4	85,981	1/4	75,614
1/2		1/2		1/2	147,372	1/2	137,515	1/2	127,207	1/2	116,864	1/2	106,498	1/2	96,131	1/2	85,765	1/2	75,398
3/4		3/4		3/4	147,250	3/4	137,300	3/4	126,992	3/4	116,648	3/4	106,282	3/4	95,915	3/4	85,549	3/4	75,182
7		7		7	147,091	7	137,085	7	126,778	7	116,432	7	106,066	7	95,699	7	85,333	7	74,966
1/4		1/4		1/4	146,932	1/4	136,870	1/4	126,563	1/4	116,216	1/4	105,850	1/4	95,483	1/4	85,117	1/4	74,750
1/2		1/2		1/2	146,774	1/2	136,656	1/2	126,348	1/2	116,000	1/2	105,634	1/2	95,268	1/2	84,901	1/2	74,534
3/4		3/4		3/4	146,615	3/4	136,441	3/4	126,133	3/4	115,784	3/4	105,418	3/4	95,052	3/4	84,685	3/4	74,318
8		8		8	146,420	8	136,226	8	125,919	8	115,568	8	105,202	8	94,836	8	84,469	8	74,102
1/4		1/4		1/4	146,225	1/4	136,011	1/4	125,704	1/4	115,352	1/4	104,986	1/4	94,620	1/4	84,253	1/4	73,886
1/2		1/2		1/2	146,031	1/2	135,797	1/2	125,489	1/2	115,136	1/2	104,770	1/2	94,404	1/2	84,037	1/2	73,670
3/4		3/4		3/4	145,836	3/4	135,582	3/4	125,274	3/4	114,920	3/4	104,554	3/4	94,188	3/4	83,821	3/4	73,454
9		9		9	145,623	9	135,367	9	125,060	9	114,704	9	104,338	9	93,972	9	83,605	9	73,238
1/4		1/4		1/4	145,411	1/4	135,152	1/4	124,845	1/4	114,488	1/4	104,122	1/4	93,756	1/4	83,389	1/4	73,022
1/2		1/2		1/2	145,198	1/2	134,938	1/2	124,630	1/2	114,272	1/2	103,906	1/2	93,540	1/2	83,173	1/2	72,806
3/4		3/4		3/4	144,985	3/4	134,723	3/4	124,415	3/4	114,056	3/4	103,690	3/4	93,324	3/4	82,957	3/4	72,590
10		10		10	144,773	10	134,508	10	124,201	10	113,841	10	103,474	10	93,108	10	82,742	10	72,374
1/4		1/4		1/4	144,560	1/4	134,293	1/4	123,986	1/4	113,625	1/4	103,258	1/4	92,892	1/4	82,526	1/4	72,158
1/2		1/2		1/2	144,347	1/2	134,079	1/2	123,771	1/2	113,409	1/2	103,042	1/2	92,676	1/2	82,310	1/2	71,942
3/4		3/4		3/4	144,135	3/4	133,864	3/4	123,556	3/4	113,193	3/4	102,826	3/4	92,460	3/4	82,094	3/4	71,726
11		11		11	143,922	11	133,649	11	123,341	11	112,977	11	102,610	11	92,244	11	81,878	11	71,510
1/4		1/4		1/4	143,709	1/4	133,435	1/4	123,126	1/4	112,761	1/4	102,394	1/4	92,028	1/4	81,662	1/4	71,294
1/2		1/2		1/2	143,496	1/2	133,220	1/2	122,910	1/2	112,545	1/2	102,178	1/2	91,812	1/2	81,446	1/2	71,078
3/4		3/4		3/4	143,284	3/4	133,005	3/4	122,695	3/4	112,329	3/4	101,962	3/4	91,596	3/4	81,230	3/4	70,862

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  
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# BARGE "CBC 127"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-10 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	70,646	0	60,277	0	49,909	0	39,541	0	29,187	0	18,831	0	8,463	0					
1/4	70,430	1/4	60,061	1/4	49,693	1/4	39,325	1/4	28,971	1/4	18,615	1/4	8,247	1/4					
1/2	70,214	1/2	59,845	1/2	49,477	1/2	39,109	1/2	28,756	1/2	18,399	1/2	8,031	1/2					
3/4	69,998	3/4	59,629	3/4	49,261	3/4	38,893	3/4	28,541	3/4	18,183	3/4	7,815	3/4					
1	69,782	1	59,413	1	49,045	1	38,677	1	28,325	1	17,967	1	7,599	1					
1/4	69,566	1/4	59,197	1/4	48,829	1/4	38,461	1/4	28,110	1/4	17,751	1/4	7,383	1/4					
1/2	69,350	1/2	58,981	1/2	48,613	1/2	38,245	1/2	27,895	1/2	17,535	1/2	7,167	1/2					
3/4	69,134	3/4	58,765	3/4	48,397	3/4	38,029	3/4	27,680	3/4	17,319	3/4	6,951	3/4					
2	68,918	2	58,549	2	48,181	2	37,813	2	27,464	2	17,103	2	6,735	2					
1/4	68,702	1/4	58,333	1/4	47,965	1/4	37,597	1/4	27,249	1/4	16,887	1/4	6,519	1/4					
1/2	68,486	1/2	58,117	1/2	47,749	1/2	37,381	1/2	27,034	1/2	16,671	1/2	6,303	1/2					
3/4	68,270	3/4	57,901	3/4	47,533	3/4	37,165	3/4	26,818	3/4	16,455	3/4	6,087	3/4					
3	68,054	3	57,685	3	47,317	3	36,949	3	26,603	3	16,239	3	5,871	3					
1/4	67,838	1/4	57,469	1/4	47,101	1/4	36,733	1/4	26,388	1/4	16,023	1/4	5,655	1/4					
1/2	67,622	1/2	57,253	1/2	46,885	1/2	36,517	1/2	26,172	1/2	15,807	1/2	5,439	1/2					
3/4	67,405	3/4	57,037	3/4	46,669	3/4	36,301	3/4	25,957	3/4	15,591	3/4	5,223	3/4					
4	67,189	4	56,821	4	46,453	4	36,085	4	25,741	4	15,375	4	5,007	4					
1/4	66,973	1/4	56,605	1/4	46,237	1/4	35,869	1/4	25,525	1/4	15,159	1/4	4,791	1/4					
1/2	66,757	1/2	56,389	1/2	46,021	1/2	35,653	1/2	25,310	1/2	14,943	1/2	4,575	1/2					
3/4	66,541	3/4	56,173	3/4	45,805	3/4	35,437	3/4	25,094	3/4	14,727	3/4	4,359	3/4					
5	66,325	5	55,957	5	45,589	5	35,221	5	24,878	5	14,511	5	4,143	5					
1/4	66,109	1/4	55,741	1/4	45,373	1/4	35,005	1/4	24,662	1/4	14,295	1/4	3,927	1/4					
1/2	65,893	1/2	55,525	1/2	45,157	1/2	34,789	1/2	24,447	1/2	14,079	1/2	3,711	1/2					
3/4	65,677	3/4	55,309	3/4	44,941	3/4	34,573	3/4	24,231	3/4	13,863	3/4	3,495	3/4					
6	65,461	6	55,093	6	44,725	6	34,357	6	24,015	6	13,647	6	3,279	6					
1/4	65,245	1/4	54,877	1/4	44,509	1/4	34,141	1/4	23,799	1/4	13,431	1/4	3,063	1/4					
1/2	65,029	1/2	54,661	1/2	44,293	1/2	33,925	1/2	23,583	1/2	13,215	1/2	2,847	1/2					
3/4	64,813	3/4	54,445	3/4	44,077	3/4	33,709	3/4	23,367	3/4	12,999	3/4	2,631	3/4					
7	64,597	7	54,229	7	43,861	7	33,493	7	23,151	7	12,783	7	2,415	7					
1/4	64,381	1/4	54,013	1/4	43,645	1/4	33,278	1/4	22,935	1/4	12,567	1/4	2,199	1/4					
1/2	64,165	1/2	53,797	1/2	43,429	1/2	33,062	1/2	22,719	1/2	12,351	1/2	1,983	1/2					
3/4	63,949	3/4	53,581	3/4	43,213	3/4	32,846	3/4	22,503	3/4	12,135	3/4	1,767	3/4					
8	63,733	8	53,365	8	42,997	8	32,631	8	22,287	8	11,919	8	1,569	8					
1/4	63,517	1/4	53,149	1/4	42,781	1/4	32,416	1/4	22,071	1/4	11,703	1/4	1,371	1/4					
1/2	63,301	1/2	52,933	1/2	42,565	1/2	32,201	1/2	21,855	1/2	11,487	1/2	1,173	1/2					
3/4	63,085	3/4	52,717	3/4	42,349	3/4	31,985	3/4	21,639	3/4	11,271	3/4	975	3/4					
9	62,869	9	52,501	9	42,133	9	31,770	9	21,423	9	11,055	9	831	9					
1/4	62,653	1/4	52,285	1/4	41,917	1/4	31,555	1/4	21,207	1/4	10,839	1/4	687	1/4					
1/2	62,437	1/2	52,069	1/2	41,701	1/2	31,339	1/2	20,991	1/2	10,623	1/2	543	1/2					
3/4	62,221	3/4	51,853	3/4	41,485	3/4	31,124	3/4	20,775	3/4	10,407	3/4	399	3/4					
10	62,005	10	51,637	10	41,269	10	30,909	10	20,559	10	10,191	10	327	10					
1/4	61,789	1/4	51,421	1/4	41,053	1/4	30,694	1/4	20,343	1/4	9,975	1/4	255	1/4					
1/2	61,573	1/2	51,205	1/2	40,837	1/2	30,478	1/2	20,127	1/2	9,759	1/2	183	1/2					
3/4	61,357	3/4	50,989	3/4	40,621	3/4	30,263	3/4	19,911	3/4	9,543	3/4	111	3/4					
11	61,141	11	50,773	11	40,405	11	30,048	11	19,695	11	9,327	11		11					
1/4	60,925	1/4	50,557	1/4	40,189	1/4	29,832	1/4	19,479	1/4	9,111	1/4		1/4					
1/2	60,709	1/2	50,341	1/2	39,973	1/2	29,617	1/2	19,263	1/2	8,895	1/2		1/2					
3/4	60,493	3/4	50,125	3/4	39,757	3/4	29,402	3/4	19,047	3/4	8,679	3/4		3/4					

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/06/2014 CL  
CALCULATED: 11/06/2014 CL  
PRINTED: 11/06/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2014

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



# BARGE "CBC 127"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-10 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	143,459	0	133,123	0	122,754	0	112,324	0	101,893	0	91,463	0	81,032
1/4		1/4		1/4		1/4	143,245	1/4	132,908	1/4	122,537	1/4	112,107	1/4	101,676	1/4	91,245	1/4	80,815
1/2		1/2		1/2		1/2	143,032	1/2	132,692	1/2	122,320	1/2	111,889	1/2	101,459	1/2	91,028	1/2	80,597
3/4		3/4		3/4		3/4	142,818	3/4	132,476	3/4	122,103	3/4	111,672	3/4	101,241	3/4	90,811	3/4	80,380
1	1	1	1	1	142,605	1	132,260	1	121,885	1	111,455	1	101,024	1	90,594	1	80,163		
1/4		1/4		1/4		1/4	142,391	1/4	132,044	1/4	121,668	1/4	111,237	1/4	100,807	1/4	90,376	1/4	79,945
1/2		1/2		1/2		1/2	142,177	1/2	131,828	1/2	121,451	1/2	111,020	1/2	100,589	1/2	90,159	1/2	79,728
3/4		3/4		3/4		3/4	141,964	3/4	131,612	3/4	121,233	3/4	110,803	3/4	100,372	3/4	89,942	3/4	79,511
2	2	2	2	2	141,750	2	131,396	2	121,016	2	110,585	2	100,155	2	89,724	2	79,293		
1/4		1/4		1/4		1/4	141,537	1/4	131,180	1/4	120,799	1/4	110,368	1/4	99,938	1/4	89,507	1/4	79,076
1/2		1/2		1/2		1/2	141,323	1/2	130,964	1/2	120,581	1/2	110,151	1/2	99,720	1/2	89,290	1/2	78,859
3/4		3/4		3/4		3/4	141,108	3/4	130,749	3/4	120,364	3/4	109,934	3/4	99,503	3/4	89,072	3/4	78,641
3	3	3	3	3	140,894	3	130,533	3	120,147	3	109,716	3	99,286	3	88,855	3	78,424		
1/4		1/4		1/4		1/4	140,679	1/4	130,317	1/4	119,930	1/4	109,499	1/4	99,068	1/4	88,638	1/4	78,206
1/2		1/2		1/2		1/2	140,464	1/2	130,101	1/2	119,712	1/2	109,282	1/2	98,851	1/2	88,420	1/2	77,989
3/4		3/4		3/4		3/4	140,248	3/4	129,885	3/4	119,495	3/4	109,064	3/4	98,634	3/4	88,203	3/4	77,772
4	4	4	4	4	140,032	4	129,669	4	119,278	4	108,847	4	98,416	4	87,986	4	77,554		
1/4		1/4		1/4		1/4	139,816	1/4	129,453	1/4	119,060	1/4	108,630	1/4	98,199	1/4	87,769	1/4	77,337
1/2		1/2		1/2		1/2	139,601	1/2	129,237	1/2	118,843	1/2	108,412	1/2	97,982	1/2	87,551	1/2	77,120
3/4		3/4		3/4		3/4	139,385	3/4	129,021	3/4	118,626	3/4	108,195	3/4	97,765	3/4	87,334	3/4	76,902
5	5	5	5	5	139,169	5	128,805	5	118,408	5	107,978	5	97,547	5	87,117	5	76,685		
1/4		1/4		1/4		1/4	138,953	1/4	128,589	1/4	118,191	1/4	107,761	1/4	97,330	1/4	86,899	1/4	76,468
1/2		1/2		1/2		1/2	138,737	1/2	128,374	1/2	117,974	1/2	107,543	1/2	97,113	1/2	86,682	1/2	76,250
3/4		3/4		3/4		3/4	138,521	3/4	128,158	3/4	117,756	3/4	107,326	3/4	96,895	3/4	86,465	3/4	76,033
6	6	6	6	6	138,305	6	127,942	6	117,539	6	107,109	6	96,678	6	86,247	6	75,816		
1/4		1/4		1/4		1/4	138,089	1/4	127,726	1/4	117,322	1/4	106,891	1/4	96,461	1/4	86,030	1/4	75,598
1/2		1/2		1/2		1/2	137,873	1/2	127,510	1/2	117,105	1/2	106,674	1/2	96,243	1/2	85,813	1/2	75,381
3/4		3/4		3/4		3/4	137,657	3/4	127,294	3/4	116,887	3/4	106,457	3/4	96,026	3/4	85,596	3/4	75,164
7	7	7	7	7	137,442	7	127,078	7	116,670	7	106,670	7	106,239	7	95,809	7	85,378	7	74,946
1/4		1/4		1/4		1/4	137,226	1/4	126,862	1/4	116,453	1/4	106,022	1/4	95,592	1/4	85,161	1/4	74,729
1/2		1/2		1/2		1/2	137,010	1/2	126,646	1/2	116,235	1/2	105,805	1/2	95,374	1/2	84,944	1/2	74,512
3/4		3/4		3/4		3/4	136,794	3/4	126,430	3/4	116,018	3/4	105,587	3/4	95,157	3/4	84,726	3/4	74,294
8	8	8	8	8	136,578	8	126,215	8	115,801	8	105,370	8	94,940	8	84,509	8	74,077		
1/4		1/4		1/4		1/4	136,362	1/4	125,999	1/4	115,583	1/4	105,153	1/4	94,722	1/4	84,292	1/4	73,860
1/2		1/2		1/2		1/2	136,146	1/2	125,783	1/2	115,366	1/2	104,936	1/2	94,505	1/2	84,074	1/2	73,642
3/4		3/4		3/4		3/4	135,930	3/4	125,567	3/4	115,149	3/4	104,718	3/4	94,288	3/4	83,857	3/4	73,425
9	9	9	9	9	135,714	9	125,351	9	114,932	9	104,501	9	94,070	9	83,640	9	73,207		
1/4		1/4		1/4		1/4	135,498	1/4	125,135	1/4	114,714	1/4	104,284	1/4	93,853	1/4	83,422	1/4	72,990
1/2		1/2		1/2		1/2	135,282	1/2	124,919	1/2	114,497	1/2	104,066	1/2	93,636	1/2	83,205	1/2	72,773
3/4		3/4		3/4		3/4	135,067	3/4	124,703	3/4	114,280	3/4	103,849	3/4	93,418	3/4	82,988	3/4	72,555
10	10	10	10	10	134,851	10	124,487	10	114,062	10	103,632	10	93,201	10	82,771	10	72,338		
1/4		1/4		1/4		1/4	134,635	1/4	124,271	1/4	113,845	1/4	103,414	1/4	92,984	1/4	82,553	1/4	72,121
1/2		1/2		1/2		1/2	134,419	1/2	124,056	1/2	113,628	1/2	103,197	1/2	92,767	1/2	82,336	1/2	71,903
3/4		3/4		3/4		3/4	134,203	3/4	123,839	3/4	113,410	3/4	102,980	3/4	92,549	3/4	82,119	3/4	71,686
11	11	11	11	11	133,987	11	123,622	11	113,193	11	102,763	11	92,332	11	81,901	11	71,469		
1/4		1/4		1/4		1/4	133,771	1/4	123,406	1/4	112,976	1/4	102,545	1/4	92,115	1/4	81,684	1/4	71,251
1/2		1/2		1/2		1/2	133,555	1/2	123,189	1/2	112,759	1/2	102,328	1/2	91,897	1/2	81,467	1/2	71,034
3/4		3/4		3/4		3/4	133,339	3/4	122,972	3/4	112,541	3/4	102,111	3/4	91,680	3/4	81,249	3/4	70,817

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 127"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-10 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	70,599	0	60,167	0	49,734	0	39,301	0	29,045	0	18,731	0	8,298	0		0		0	
1/4	70,382	1/4	59,949	1/4	49,517	1/4	39,084	1/4	28,836	1/4	18,513	1/4	8,081	1/4		1/4		1/4	
1/2	70,165	1/2	59,732	1/2	49,299	1/2	38,867	1/2	28,626	1/2	18,296	1/2	7,864	1/2		1/2		1/2	
3/4	69,947	3/4	59,515	3/4	49,082	3/4	38,649	3/4	28,416	3/4	18,079	3/4	7,646	3/4		3/4		3/4	
1	69,730	1	59,297	1	48,865	1	38,432	1	28,206	1	17,861	1	7,429	1		1		1	
1/4	69,513	1/4	59,080	1/4	48,647	1/4	38,215	1/4	27,996	1/4	17,644	1/4	7,212	1/4		1/4		1/4	
1/2	69,295	1/2	58,863	1/2	48,430	1/2	37,997	1/2	27,786	1/2	17,427	1/2	6,994	1/2		1/2		1/2	
3/4	69,078	3/4	58,645	3/4	48,213	3/4	37,780	3/4	27,576	3/4	17,209	3/4	6,777	3/4		3/4		3/4	
2	68,861	2	58,428	2	47,995	2	37,563	2	27,366	2	16,992	2	6,560	2		2		2	
1/4	68,643	1/4	58,211	1/4	47,778	1/4	37,345	1/4	27,156	1/4	16,774	1/4	6,342	1/4		1/4		1/4	
1/2	68,426	1/2	57,993	1/2	47,561	1/2	37,128	1/2	26,946	1/2	16,557	1/2	6,125	1/2		1/2		1/2	
3/4	68,209	3/4	57,776	3/4	47,343	3/4	36,911	3/4	26,736	3/4	16,340	3/4	5,908	3/4		3/4		3/4	
3	67,991	3	57,558	3	47,126	3	36,693	3	26,526	3	16,122	3	5,690	3		3		3	
1/4	67,774	1/4	57,341	1/4	46,908	1/4	36,476	1/4	26,316	1/4	15,905	1/4	5,473	1/4		1/4		1/4	
1/2	67,556	1/2	57,124	1/2	46,691	1/2	36,258	1/2	26,106	1/2	15,688	1/2	5,256	1/2		1/2		1/2	
3/4	67,339	3/4	56,906	3/4	46,474	3/4	36,041	3/4	25,892	3/4	15,470	3/4	5,038	3/4		3/4		3/4	
4	67,122	4	56,689	4	46,256	4	35,824	4	25,678	4	15,253	4	4,821	4		4		4	
1/4	66,904	1/4	56,472	1/4	46,039	1/4	35,606	1/4	25,464	1/4	15,036	1/4	4,604	1/4		1/4		1/4	
1/2	66,687	1/2	56,254	1/2	45,822	1/2	35,389	1/2	25,251	1/2	14,818	1/2	4,386	1/2		1/2		1/2	
3/4	66,470	3/4	56,037	3/4	45,604	3/4	35,172	3/4	25,033	3/4	14,601	3/4	4,169	3/4		3/4		3/4	
5	66,252	5	55,820	5	45,387	5	34,954	5	24,816	5	14,384	5	3,952	5		5		5	
1/4	66,035	1/4	55,602	1/4	45,170	1/4	34,737	1/4	24,599	1/4	14,166	1/4	3,734	1/4		1/4		1/4	
1/2	65,818	1/2	55,385	1/2	44,952	1/2	34,520	1/2	24,381	1/2	13,949	1/2	3,517	1/2		1/2		1/2	
3/4	65,600	3/4	55,168	3/4	44,735	3/4	34,306	3/4	24,164	3/4	13,732	3/4	3,300	3/4		3/4		3/4	
6	65,383	6	54,950	6	44,518	6	34,092	6	23,947	6	13,514	6	3,082	6		6		6	
1/4	65,166	1/4	54,733	1/4	44,300	1/4	33,878	1/4	23,729	1/4	13,297	1/4	2,865	1/4		1/4		1/4	
1/2	64,948	1/2	54,516	1/2	44,083	1/2	33,664	1/2	23,512	1/2	13,080	1/2	2,648	1/2		1/2		1/2	
3/4	64,731	3/4	54,298	3/4	43,866	3/4	33,454	3/4	23,295	3/4	12,862	3/4	2,430	3/4		3/4		3/4	
7	64,514	7	54,081	7	43,648	7	33,244	7	23,077	7	12,645	7	2,213	7		7		7	
1/4	64,296	1/4	53,864	1/4	43,431	1/4	33,034	1/4	22,860	1/4	12,428	1/4	1,996	1/4		1/4		1/4	
1/2	64,079	1/2	53,646	1/2	43,214	1/2	32,824	1/2	22,643	1/2	12,210	1/2	1,778	1/2		1/2		1/2	
3/4	63,862	3/4	53,429	3/4	42,996	3/4	32,614	3/4	22,425	3/4	11,993	3/4	1,579	3/4		3/4		3/4	
8	63,644	8	53,212	8	42,779	8	32,404	8	22,208	8	11,776	8	1,380	8		8		8	
1/4	63,427	1/4	52,994	1/4	42,562	1/4	32,194	1/4	21,991	1/4	11,558	1/4	1,180	1/4		1/4		1/4	
1/2	63,210	1/2	52,777	1/2	42,344	1/2	31,984	1/2	21,773	1/2	11,341	1/2	981	1/2		1/2		1/2	
3/4	62,992	3/4	52,560	3/4	42,127	3/4	31,774	3/4	21,556	3/4	11,124	3/4	836	3/4		3/4		3/4	
9	62,775	9	52,342	9	41,910	9	31,565	9	21,339	9	10,906	9	691	9		9		9	
1/4	62,557	1/4	52,125	1/4	41,692	1/4	31,355	1/4	21,121	1/4	10,689	1/4	546	1/4		1/4		1/4	
1/2	62,340	1/2	51,907	1/2	41,475	1/2	31,145	1/2	20,904	1/2	10,472	1/2	402	1/2		1/2		1/2	
3/4	62,123	3/4	51,690	3/4	41,257	3/4	30,935	3/4	20,687	3/4	10,254	3/4	329	3/4		3/4		3/4	
10	61,905	10	51,473	10	41,040	10	30,725	10	20,469	10	10,037	10	257	10		10		10	
1/4	61,688	1/4	51,255	1/4	40,823	1/4	30,515	1/4	20,252	1/4	9,820	1/4	184	1/4		1/4		1/4	
1/2	61,471	1/2	51,038	1/2	40,605	1/2	30,305	1/2	20,035	1/2	9,602	1/2	112	1/2		1/2		1/2	
3/4	61,253	3/4	50,821	3/4	40,388	3/4	30,095	3/4	19,817	3/4	9,385	3/4		3/4		3/4		3/4	
11	61,036	11	50,603	11	40,171	11	29,885	11	19,600	11	9,168	11		11		11		11	
1/4	60,819	1/4	50,386	1/4	39,953	1/4	29,675	1/4	19,383	1/4	8,950	1/4		1/4		1/4		1/4	
1/2	60,601	1/2	50,169	1/2	39,736	1/2	29,465	1/2	19,165	1/2	8,733	1/2		1/2		1/2		1/2	
3/4	60,384	3/4	49,951	3/4	39,519	3/4	29,255	3/4	18,948	3/4	8,516	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/06/2014 CL  
CALCULATED: 11/06/2014 CL  
PRINTED: 11/06/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2014

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "CBC 127"

# 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-10 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	0	0	0	0	157,538	0	146,149	0	134,744	0	123,301	0	111,880	0	100,458	0	89,037		
1/4		1/4		1/4	157,302	1/4	145,912	1/4	134,505	1/4	123,063	1/4	111,642	1/4	100,220	1/4	88,799		
1/2		1/2		1/2	157,067	1/2	145,674	1/2	134,267	1/2	122,824	1/2	111,404	1/2	99,982	1/2	88,561		
3/4		3/4		3/4	156,831	3/4	145,437	3/4	134,028	3/4	122,586	3/4	111,166	3/4	99,745	3/4	88,323		
1	1	1	1	1	156,595	1	145,200	1	133,790	1	122,348	1	110,928	1	99,507	1	88,085		
1/4		1/4		1/4	156,359	1/4	144,963	1/4	133,552	1/4	122,110	1/4	110,690	1/4	99,269	1/4	87,847		
1/2		1/2		1/2	156,123	1/2	144,726	1/2	133,313	1/2	121,872	1/2	110,452	1/2	99,031	1/2	87,609		
3/4		3/4		3/4	155,887	3/4	144,489	3/4	133,075	3/4	121,633	3/4	110,214	3/4	98,793	3/4	87,371		
2	2	2	2	2	155,652	2	144,251	2	132,836	2	121,395	2	109,976	2	98,555	2	87,133		
1/4		1/4		1/4	155,416	1/4	144,014	1/4	132,598	1/4	121,157	1/4	109,738	1/4	98,317	1/4	86,895		
1/2		1/2		1/2	155,180	1/2	143,777	1/2	132,360	1/2	120,919	1/2	109,500	1/2	98,079	1/2	86,657		
3/4		3/4		3/4	154,944	3/4	143,540	3/4	132,121	3/4	120,681	3/4	109,263	3/4	97,841	3/4	86,419		
3	3	3	3	3	154,707	3	143,303	3	131,883	3	120,442	3	109,025	3	97,603	3	86,181		
1/4		1/4		1/4	163,380	1/4	154,471	1/4	143,066	1/4	131,644	1/4	120,204	1/4	108,787	1/4	97,365	1/4	85,943
1/2		1/2		1/2	163,356	1/2	154,234	1/2	142,828	1/2	131,406	1/2	119,966	1/2	108,549	1/2	97,127	1/2	85,705
3/4		3/4		3/4	163,333	3/4	153,997	3/4	142,591	3/4	131,168	3/4	119,728	3/4	108,311	3/4	96,889	3/4	85,467
4	4	4	4	4	163,276	4	153,759	4	142,354	4	130,929	4	119,490	4	108,073	4	96,651	4	85,229
1/4		1/4		1/4	163,219	1/4	153,521	1/4	142,117	1/4	130,691	1/4	119,251	1/4	107,835	1/4	96,413	1/4	84,991
1/2		1/2		1/2	163,162	1/2	153,283	1/2	141,880	1/2	130,452	1/2	119,013	1/2	107,597	1/2	96,175	1/2	84,753
3/4		3/4		3/4	163,105	3/4	153,045	3/4	141,642	3/4	130,214	3/4	118,775	3/4	107,359	3/4	95,937	3/4	84,515
5	5	5	5	5	163,008	5	152,807	5	141,405	5	129,976	5	118,537	5	107,121	5	95,699	5	84,277
1/4		1/4		1/4	162,912	1/4	152,570	1/4	141,167	1/4	129,737	1/4	118,299	1/4	106,883	1/4	95,461	1/4	84,039
1/2		1/2		1/2	162,815	1/2	152,332	1/2	140,930	1/2	129,499	1/2	118,061	1/2	106,645	1/2	95,223	1/2	83,801
3/4		3/4		3/4	162,718	3/4	152,094	3/4	140,692	3/4	129,260	3/4	117,823	3/4	106,407	3/4	94,985	3/4	83,563
6	6	6	6	6	162,582	6	151,856	6	140,454	6	129,022	6	117,586	6	106,169	6	94,748	6	83,325
1/4		1/4		1/4	162,445	1/4	151,618	1/4	140,217	1/4	128,783	1/4	117,348	1/4	105,931	1/4	94,510	1/4	83,088
1/2		1/2		1/2	162,309	1/2	151,380	1/2	139,979	1/2	128,545	1/2	117,110	1/2	105,693	1/2	94,272	1/2	82,850
3/4		3/4		3/4	162,172	3/4	151,142	3/4	139,741	3/4	128,307	3/4	116,872	3/4	105,455	3/4	94,034	3/4	82,613
7	7	7	7	7	161,996	7	150,904	7	139,503	7	128,068	7	116,635	7	105,217	7	93,796	7	82,376
1/4		1/4		1/4	161,820	1/4	150,667	1/4	139,265	1/4	127,830	1/4	116,397	1/4	104,979	1/4	93,558	1/4	82,139
1/2		1/2		1/2	161,644	1/2	150,429	1/2	139,027	1/2	127,591	1/2	116,159	1/2	104,741	1/2	93,320	1/2	81,902
3/4		3/4		3/4	161,467	3/4	150,191	3/4	138,789	3/4	127,353	3/4	115,922	3/4	104,504	3/4	93,082	3/4	81,665
8	8	8	8	8	161,252	8	149,953	8	138,551	8	127,115	8	115,684	8	104,266	8	92,844	8	81,429
1/4		1/4		1/4	161,036	1/4	149,715	1/4	138,313	1/4	126,876	1/4	115,446	1/4	104,028	1/4	92,606	1/4	81,192
1/2		1/2		1/2	160,820	1/2	149,477	1/2	138,076	1/2	126,638	1/2	115,209	1/2	103,790	1/2	92,368	1/2	80,955
3/4		3/4		3/4	160,604	3/4	149,239	3/4	137,838	3/4	126,399	3/4	114,971	3/4	103,552	3/4	92,130	3/4	80,719
9	9	9	9	9	160,368	9	149,001	9	137,600	9	126,161	9	114,733	9	103,314	9	91,892	9	80,482
1/4		1/4		1/4	160,132	1/4	148,763	1/4	137,362	1/4	125,923	1/4	114,495	1/4	103,076	1/4	91,654	1/4	80,246
1/2		1/2		1/2	159,896	1/2	148,526	1/2	137,124	1/2	125,684	1/2	114,258	1/2	102,838	1/2	91,416	1/2	80,009
3/4		3/4		3/4	159,660	3/4	148,288	3/4	136,886	3/4	125,446	3/4	114,020	3/4	102,600	3/4	91,178	3/4	79,773
10	10	10	10	10	159,425	10	148,050	10	136,648	10	125,207	10	113,782	10	102,362	10	90,940	10	79,536
1/4		1/4		1/4	159,189	1/4	147,812	1/4	136,410	1/4	124,969	1/4	113,545	1/4	102,124	1/4	90,702	1/4	79,300
1/2		1/2		1/2	158,953	1/2	147,574	1/2	136,173	1/2	124,731	1/2	113,307	1/2	101,886	1/2	90,464	1/2	79,063
3/4		3/4		3/4	158,717	3/4	147,336	3/4	135,935	3/4	124,492	3/4	113,069	3/4	101,648	3/4	90,226	3/4	78,827
11	11	11	11	11	158,481	11	147,099	11	135,696	11	124,254	11	112,831	11	101,410	11	89,989	11	78,590
1/4		1/4		1/4	158,246	1/4	146,861	1/4	135,458	1/4	124,016	1/4	112,594	1/4	101,172	1/4	89,751	1/4	78,354
1/2		1/2		1/2	158,010	1/2	146,624	1/2	135,220	1/2	123,777	1/2	112,356	1/2	100,934	1/2	89,513	1/2	78,117
3/4		3/4		3/4	157,774	3/4	146,386	3/4	134,982	3/4	123,539	3/4	112,118	3/4	100,696	3/4	89,275	3/4	77,881

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  
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 Pearland, Texas 77588  
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# BARGE "CBC 127"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-10 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	77,644	0	66,245	0	54,827	0	43,408	0	32,100	0	20,786	0	9,339	0					
1/4	77,407	1/4	66,007	1/4	54,589	1/4	43,170	1/4	31,868	1/4	20,547	1/4	9,101	1/4					
1/2	77,171	1/2	65,769	1/2	54,351	1/2	42,932	1/2	31,636	1/2	20,309	1/2	8,862	1/2					
3/4	76,934	3/4	65,531	3/4	54,113	3/4	42,695	3/4	31,404	3/4	20,070	3/4	8,624	3/4					
1	76,698	1	65,293	1	53,875	1	42,457	1	31,172	1	19,832	1	8,385	1					
1/4	76,461	1/4	65,055	1/4	53,637	1/4	42,219	1/4	30,940	1/4	19,593	1/4	8,147	1/4					
1/2	76,225	1/2	64,818	1/2	53,399	1/2	41,981	1/2	30,708	1/2	19,355	1/2	7,908	1/2					
3/4	75,988	3/4	64,580	3/4	53,161	3/4	41,743	3/4	30,476	3/4	19,116	3/4	7,670	3/4					
2	75,751	2	64,342	2	52,924	2	41,505	2	30,244	2	18,878	2	7,432	2					
1/4	75,514	1/4	64,104	1/4	52,686	1/4	41,267	1/4	30,012	1/4	18,639	1/4	7,193	1/4					
1/2	75,278	1/2	63,866	1/2	52,448	1/2	41,029	1/2	29,780	1/2	18,401	1/2	6,955	1/2					
3/4	75,041	3/4	63,628	3/4	52,210	3/4	40,792	3/4	29,548	3/4	18,162	3/4	6,716	3/4					
3	74,803	3	63,390	3	51,972	3	40,554	3	29,316	3	17,924	3	6,478	3					
1/4	74,566	1/4	63,152	1/4	51,734	1/4	40,316	1/4	29,083	1/4	17,685	1/4	6,239	1/4					
1/2	74,329	1/2	62,915	1/2	51,496	1/2	40,078	1/2	28,851	1/2	17,447	1/2	6,001	1/2					
3/4	74,091	3/4	62,677	3/4	51,258	3/4	39,840	3/4	28,619	3/4	17,209	3/4	5,762	3/4					
4	73,854	4	62,439	4	51,020	4	39,602	4	38,386	4	16,970	4	5,524	4					
1/4	73,617	1/4	62,201	1/4	50,783	1/4	39,364	1/4	28,154	1/4	16,732	1/4	5,285	1/4					
1/2	73,380	1/2	61,963	1/2	50,545	1/2	39,126	1/2	27,921	1/2	16,493	1/2	5,047	1/2					
3/4	73,142	3/4	61,725	3/4	50,307	3/4	38,888	3/4	27,689	3/4	16,255	3/4	4,808	3/4					
5	72,905	5	61,487	5	50,069	5	38,651	5	27,453	5	16,016	5	4,570	5					
1/4	72,667	1/4	61,249	1/4	49,831	1/4	38,413	1/4	27,218	1/4	15,778	1/4	4,332	1/4					
1/2	72,430	1/2	61,011	1/2	49,593	1/2	38,175	1/2	26,983	1/2	15,539	1/2	4,093	1/2					
3/4	72,192	3/4	60,774	3/4	49,355	3/4	37,937	3/4	26,747	3/4	15,301	3/4	3,855	3/4					
6	71,954	6	60,536	6	49,117	6	37,699	6	26,509	6	15,062	6	3,616	6					
1/4	71,716	1/4	60,298	1/4	48,880	1/4	37,461	1/4	26,270	1/4	14,824	1/4	3,378	1/4					
1/2	71,478	1/2	60,060	1/2	48,642	1/2	37,223	1/2	26,032	1/2	14,585	1/2	3,139	1/2					
3/4	71,240	3/4	59,822	3/4	48,404	3/4	36,985	3/4	25,793	3/4	14,347	3/4	2,901	3/4					
7	71,003	7	59,584	7	48,166	7	36,750	7	25,555	7	14,109	7	2,662	7					
1/4	70,765	1/4	59,346	1/4	47,928	1/4	36,515	1/4	25,316	1/4	13,870	1/4	2,424	1/4					
1/2	70,527	1/2	59,108	1/2	47,690	1/2	36,281	1/2	25,078	1/2	13,632	1/2	2,186	1/2					
3/4	70,289	3/4	58,871	3/4	47,452	3/4	36,046	3/4	24,839	3/4	13,393	3/4	1,947	3/4					
8	70,051	8	58,633	8	47,214	8	35,813	8	24,601	8	13,155	8	1,729	8					
1/4	69,813	1/4	58,395	1/4	46,976	1/4	35,581	1/4	24,362	1/4	12,916	1/4	1,510	1/4					
1/2	69,575	1/2	58,157	1/2	46,739	1/2	35,349	1/2	24,124	1/2	12,678	1/2	1,291	1/2					
3/4	69,337	3/4	57,919	3/4	46,501	3/4	35,117	3/4	23,886	3/4	12,439	3/4	1,073	3/4					
9	69,099	9	57,681	9	46,263	9	34,885	9	23,647	9	12,201	9	914	9					
1/4	68,862	1/4	57,443	1/4	46,025	1/4	34,653	1/4	23,409	1/4	11,962	1/4	755	1/4					
1/2	68,624	1/2	57,205	1/2	45,787	1/2	34,421	1/2	23,170	1/2	11,724	1/2	596	1/2					
3/4	68,386	3/4	56,968	3/4	45,549	3/4	34,189	3/4	22,932	3/4	11,485	3/4	437	3/4					
10	68,148	10	56,730	10	45,311	10	33,957	10	22,693	10	11,247	10	357	10					
1/4	67,910	1/4	56,492	1/4	45,073	1/4	33,725	1/4	22,455	1/4	11,008	1/4	278	1/4					
1/2	67,672	1/2	56,254	1/2	44,836	1/2	33,493	1/2	22,216	1/2	10,770	1/2	198	1/2					
3/4	67,434	3/4	56,016	3/4	44,598	3/4	33,261	3/4	21,978	3/4	10,532	3/4	119	3/4					
11	67,196	11	55,778	11	44,360	11	33,029	11	21,739	11	10,293	11		11					
1/4	66,959	1/4	55,540	1/4	44,122	1/4	32,797	1/4	21,501	1/4	10,055	1/4		1/4					
1/2	66,721	1/2	55,302	1/2	43,884	1/2	32,565	1/2	21,262	1/2	9,816	1/2		1/2					
3/4	66,483	3/4	55,064	3/4	43,646	3/4	32,333	3/4	21,024	3/4	9,578	3/4		3/4					

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/06/2014 CL  
CALCULATED: 11/06/2014 CL  
PRINTED: 11/06/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2014

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "CBC 127"

## INNAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS - 00-3/8"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 162'-09"

November 6, 2014

**PRECISION MEASUREMENT  
 & ANALYSIS, INC.**  
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# BARGE "CBC 127"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-10 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	111	0	9,543	0	19,911	0	30,263	0	40,621	0	50,989	0	61,357	0	71,726	0	82,094	0	92,460
1/4	183	1/4	9,759	1/4	20,127	1/4	30,478	1/4	40,837	1/4	51,205	1/4	61,573	1/4	71,942	1/4	82,310	1/4	92,676
1/2	255	1/2	9,975	1/2	20,343	1/2	30,694	1/2	41,053	1/2	51,421	1/2	61,789	1/2	72,158	1/2	82,526	1/2	92,892
3/4	327	3/4	10,191	3/4	20,559	3/4	30,909	3/4	41,269	3/4	51,637	3/4	62,005	3/4	72,374	3/4	82,742	3/4	93,108
1	399	1	10,407	1	20,775	1	31,124	1	41,485	1	51,853	1	62,221	1	72,590	1	82,957	1	93,324
1/4	543	1/4	10,623	1/4	20,991	1/4	31,339	1/4	41,701	1/4	52,069	1/4	62,437	1/4	72,806	1/4	83,173	1/4	93,540
1/2	687	1/2	10,839	1/2	21,207	1/2	31,555	1/2	41,917	1/2	52,285	1/2	62,653	1/2	73,022	1/2	83,389	1/2	93,756
3/4	831	3/4	11,055	3/4	21,423	3/4	31,770	3/4	42,133	3/4	52,501	3/4	62,869	3/4	73,238	3/4	83,605	3/4	93,972
2	975	2	11,271	2	21,639	2	31,985	2	42,349	2	52,717	2	63,085	2	73,454	2	83,821	2	94,188
1/4	1,173	1/4	11,487	1/4	21,855	1/4	32,201	1/4	42,565	1/4	52,933	1/4	63,301	1/4	73,670	1/4	84,037	1/4	94,404
1/2	1,371	1/2	11,703	1/2	22,071	1/2	32,416	1/2	42,781	1/2	53,149	1/2	63,517	1/2	73,886	1/2	84,253	1/2	94,620
3/4	1,569	3/4	11,919	3/4	22,287	3/4	32,631	3/4	42,997	3/4	53,365	3/4	63,733	3/4	74,102	3/4	84,469	3/4	94,836
3	1,767	3	12,135	3	22,503	3	32,846	3	43,213	3	53,581	3	63,949	3	74,318	3	84,685	3	95,052
1/4	1,983	1/4	12,351	1/4	22,719	1/4	33,062	1/4	43,429	1/4	53,797	1/4	64,165	1/4	74,534	1/4	84,901	1/4	95,268
1/2	2,199	1/2	12,567	1/2	22,935	1/2	33,278	1/2	43,645	1/2	54,013	1/2	64,381	1/2	74,750	1/2	85,117	1/2	95,483
3/4	2,415	3/4	12,783	3/4	23,151	3/4	33,493	3/4	43,861	3/4	54,229	3/4	64,597	3/4	74,966	3/4	85,333	3/4	95,699
4	2,631	4	12,999	4	23,367	4	33,709	4	44,077	4	54,445	4	64,813	4	75,182	4	85,549	4	95,915
1/4	2,847	1/4	13,215	1/4	23,583	1/4	33,925	1/4	44,293	1/4	54,661	1/4	65,029	1/4	75,398	1/4	85,765	1/4	96,131
1/2	3,063	1/2	13,431	1/2	23,799	1/2	34,141	1/2	44,509	1/2	54,877	1/2	65,245	1/2	75,614	1/2	85,981	1/2	96,347
3/4	3,279	3/4	13,647	3/4	24,015	3/4	34,357	3/4	44,725	3/4	55,093	3/4	65,461	3/4	75,830	3/4	86,197	3/4	96,563
5	3,495	5	13,863	5	24,231	5	34,573	5	44,941	5	55,309	5	65,677	5	76,046	5	86,413	5	96,779
1/4	3,711	1/4	14,079	1/4	24,447	1/4	34,789	1/4	45,157	1/4	55,525	1/4	65,893	1/4	76,262	1/4	86,629	1/4	96,995
1/2	3,927	1/2	14,295	1/2	24,662	1/2	35,005	1/2	45,373	1/2	55,741	1/2	66,109	1/2	76,478	1/2	86,845	1/2	97,211
3/4	4,143	3/4	14,511	3/4	24,878	3/4	35,221	3/4	45,589	3/4	55,957	3/4	66,325	3/4	76,694	3/4	87,061	3/4	97,427
6	4,359	6	14,727	6	25,094	6	35,437	6	45,805	6	56,173	6	66,541	6	76,910	6	87,277	6	97,643
1/4	4,575	1/4	14,943	1/4	25,310	1/4	35,653	1/4	46,021	1/4	56,389	1/4	66,757	1/4	77,126	1/4	87,493	1/4	97,859
1/2	4,791	1/2	15,159	1/2	25,525	1/2	35,869	1/2	46,237	1/2	56,605	1/2	66,973	1/2	77,342	1/2	87,709	1/2	98,075
3/4	5,007	3/4	15,375	3/4	25,741	3/4	36,085	3/4	46,453	3/4	56,821	3/4	67,189	3/4	77,558	3/4	87,925	3/4	98,291
7	5,223	7	15,591	7	25,957	7	36,301	7	46,669	7	57,037	7	67,405	7	77,774	7	88,141	7	98,507
1/4	5,439	1/4	15,807	1/4	26,172	1/4	36,517	1/4	46,885	1/4	57,253	1/4	67,622	1/4	77,990	1/4	88,357	1/4	98,723
1/2	5,655	1/2	16,023	1/2	26,388	1/2	36,733	1/2	47,101	1/2	57,469	1/2	67,838	1/2	78,206	1/2	88,573	1/2	98,939
3/4	5,871	3/4	16,239	3/4	26,603	3/4	36,949	3/4	47,317	3/4	57,685	3/4	68,054	3/4	78,422	3/4	88,789	3/4	99,155
8	6,087	8	16,455	8	26,818	8	37,165	8	47,533	8	57,901	8	68,270	8	78,638	8	88,905	8	99,371
1/4	6,303	1/4	16,671	1/4	27,034	1/4	37,381	1/4	47,749	1/4	58,117	1/4	68,486	1/4	78,854	1/4	89,121	1/4	99,587
1/2	6,519	1/2	16,887	1/2	27,249	1/2	37,597	1/2	47,965	1/2	58,333	1/2	68,702	1/2	79,070	1/2	89,337	1/2	99,803
3/4	6,735	3/4	17,103	3/4	27,464	3/4	37,813	3/4	48,181	3/4	58,549	3/4	68,918	3/4	79,286	3/4	89,553	3/4	100,019
9	6,951	9	17,319	9	27,680	9	38,029	9	48,397	9	58,765	9	69,134	9	79,502	9	89,769	9	100,235
1/4	7,167	1/4	17,535	1/4	27,895	1/4	38,245	1/4	48,613	1/4	58,981	1/4	69,350	1/4	79,718	1/4	90,084	1/4	100,451
1/2	7,383	1/2	17,751	1/2	28,110	1/2	38,461	1/2	48,829	1/2	59,197	1/2	69,566	1/2	79,934	1/2	90,300	1/2	100,667
3/4	7,599	3/4	17,967	3/4	28,325	3/4	38,677	3/4	49,045	3/4	59,413	3/4	69,782	3/4	80,150	3/4	90,516	3/4	100,883
10	7,815	10	18,183	10	28,541	10	38,893	10	49,261	10	59,629	10	69,998	10	80,366	10	90,732	10	101,099
1/4	8,031	1/4	18,399	1/4	28,756	1/4	39,109	1/4	49,477	1/4	59,845	1/4	70,214	1/4	80,582	1/4	90,948	1/4	101,315
1/2	8,247	1/2	18,615	1/2	28,971	1/2	39,325	1/2	49,693	1/2	60,061	1/2	70,430	1/2	80,798	1/2	91,164	1/2	101,530
3/4	8,463	3/4	18,831	3/4	29,187	3/4	39,541	3/4	49,909	3/4	60,277	3/4	70,646	3/4	81,014	3/4	91,380	3/4	101,746
11	8,679	11	19,047	11	29,402	11	39,757	11	50,125	11	60,493	11	70,862	11	81,230	11	91,596	11	101,962
1/4	8,895	1/4	19,263	1/4	29,617	1/4	39,973	1/4	50,341	1/4	60,709	1/4	71,078	1/4	81,446	1/4	91,812	1/4	102,178
1/2	9,111	1/2	19,479	1/2	29,832	1/2	40,189	1/2	50,557	1/2	60,925	1/2	71,294	1/2	81,662	1/2	92,028	1/2	102,394
3/4	9,327	3/4	19,695	3/4	30,048	3/4	40,405	3/4	50,773	3/4	61,141	3/4	71,510	3/4	81,878	3/4	92,244	3/4	102,610

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  
<http://www.pmacorp.net>



# BARGE "CBC 127"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-10 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	102,826	0	113,193	0	123,556	0	133,864	0	144,135	0		0		0		0		0	
1/4	103,042	1/4	113,409	1/4	123,771	1/4	134,079	1/4	144,347	1/4		1/4		1/4		1/4		1/4	
1/2	103,258	1/2	113,625	1/2	123,986	1/2	134,293	1/2	144,560	1/2		1/2		1/2		1/2		1/2	
3/4	103,474	3/4	113,841	3/4	124,201	3/4	134,508	3/4	144,773	3/4		3/4		3/4		3/4		3/4	
1	103,690	1	114,056	1	124,415	1	134,723	1	144,985	1		1		1		1		1	
1/4	103,906	1/4	114,272	1/4	124,630	1/4	134,938	1/4	145,198	1/4		1/4		1/4		1/4		1/4	
1/2	104,122	1/2	114,488	1/2	124,845	1/2	135,152	1/2	145,411	1/2		1/2		1/2		1/2		1/2	
3/4	104,338	3/4	114,704	3/4	125,060	3/4	135,367	3/4	145,623	3/4		3/4		3/4		3/4		3/4	
2	104,554	2	114,920	2	125,274	2	135,582	2	145,836	2		2		2		2		2	
1/4	104,770	1/4	115,136	1/4	125,489	1/4	135,797	1/4	146,031	1/4		1/4		1/4		1/4		1/4	
1/2	104,986	1/2	115,352	1/2	125,704	1/2	136,011	1/2	146,225	1/2		1/2		1/2		1/2		1/2	
3/4	105,202	3/4	115,568	3/4	125,919	3/4	136,226	3/4	146,420	3/4		3/4		3/4		3/4		3/4	
3	105,418	3	115,784	3	126,133	3	136,441	3	146,615	3		3		3		3		3	
1/4	105,634	1/4	116,000	1/4	126,348	1/4	136,656	1/4	146,774	1/4		1/4		1/4		1/4		1/4	
1/2	105,850	1/2	116,216	1/2	126,563	1/2	136,870	1/2	146,932	1/2		1/2		1/2		1/2		1/2	
3/4	106,066	3/4	116,432	3/4	126,778	3/4	137,085	3/4	147,091	3/4		3/4		3/4		3/4		3/4	
4	106,282	4	116,648	4	126,992	4	137,300	4	147,250	4		4		4		4		4	
1/4	106,498	1/4	116,864	1/4	127,207	1/4	137,515	1/4	147,372	1/4		1/4		1/4		1/4		1/4	
1/2	106,714	1/2	117,080	1/2	127,422	1/2	137,729	1/2	147,495	1/2		1/2		1/2		1/2		1/2	
3/4	106,930	3/4	117,296	3/4	127,637	3/4	137,944	3/4	147,618	3/4		3/4		3/4		3/4		3/4	
5	107,146	5	117,512	5	127,851	5	138,159	5	147,740	5		5		5		5		5	
1/4	107,362	1/4	117,728	1/4	128,066	1/4	138,374	1/4	147,827	1/4		1/4		1/4		1/4		1/4	
1/2	107,578	1/2	117,944	1/2	128,281	1/2	138,588	1/2	147,914	1/2		1/2		1/2		1/2		1/2	
3/4	107,793	3/4	118,160	3/4	128,496	3/4	138,803	3/4	148,001	3/4		3/4		3/4		3/4		3/4	
6	108,009	6	118,376	6	128,710	6	139,018	6	148,087	6		6		6		6		6	
1/4	108,225	1/4	118,592	1/4	128,925	1/4	139,232	1/4	148,138	1/4		1/4		1/4		1/4		1/4	
1/2	108,441	1/2	118,808	1/2	129,140	1/2	139,447	1/2	148,189	1/2		1/2		1/2		1/2		1/2	
3/4	108,657	3/4	119,024	3/4	129,354	3/4	139,662	3/4	148,239	3/4		3/4		3/4		3/4		3/4	
7	108,873	7	119,240	7	129,569	7	139,877	7	148,290	7		7		7		7		7	
1/4	109,089	1/4	119,456	1/4	129,784	1/4	140,090	1/4	148,311	1/4		1/4		1/4		1/4		1/4	
1/2	109,305	1/2	119,672	1/2	129,999	1/2	140,304	1/2	148,332	1/2		1/2		1/2		1/2		1/2	
3/4	109,521	3/4	119,888	3/4	130,213	3/4	140,518	3/4		3/4		3/4		3/4		3/4		3/4	
8	109,737	8	120,104	8	130,428	8	140,732	8		8		8		8		8		8	
1/4	109,953	1/4	120,319	1/4	130,643	1/4	140,944	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	110,169	1/2	120,535	1/2	130,858	1/2	141,157	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	110,385	3/4	120,751	3/4	131,072	3/4	141,370	3/4		3/4		3/4		3/4		3/4		3/4	
9	110,601	9	120,967	9	131,287	9	141,582	9		9		9		9		9		9	
1/4	110,817	1/4	121,183	1/4	131,502	1/4	141,795	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,033	1/2	121,399	1/2	131,717	1/2	142,008	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	111,249	3/4	121,615	3/4	131,931	3/4	142,220	3/4		3/4		3/4		3/4		3/4		3/4	
10	111,465	10	121,831	10	132,146	10	142,433	10		10		10		10		10		10	
1/4	111,681	1/4	122,047	1/4	132,361	1/4	142,646	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,897	1/2	122,263	1/2	132,576	1/2	142,858	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,113	3/4	122,479	3/4	132,790	3/4	143,071	3/4		3/4		3/4		3/4		3/4		3/4	
11	112,329	11	122,695	11	133,005	11	143,284	11		11		11		11		11		11	
1/4	112,545	1/4	122,910	1/4	133,220	1/4	143,496	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,761	1/2	123,126	1/2	133,435	1/2	143,709	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,977	3/4	123,341	3/4	133,649	3/4	143,922	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/06/2014 CL  
CALCULATED: 11/06/2014 CL  
PRINTED: 11/06/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2014

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "CBC 127"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-10 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	112	0	9,602	0	20,035	0	30,305	0	40,605	0	51,038	0	61,471	0	71,903	0	82,336	0	92,767
1/4	184	1/4	9,820	1/4	20,252	1/4	30,515	1/4	40,823	1/4	51,255	1/4	61,688	1/4	72,121	1/4	82,553	1/4	92,984
1/2	257	1/2	10,037	1/2	20,469	1/2	30,725	1/2	41,040	1/2	51,473	1/2	61,905	1/2	72,338	1/2	82,771	1/2	93,201
3/4	329	3/4	10,254	3/4	20,687	3/4	30,935	3/4	41,257	3/4	51,690	3/4	62,123	3/4	72,555	3/4	82,988	3/4	93,418
1	402	1	10,472	1	20,904	1	31,145	1	41,475	1	51,907	1	62,340	1	72,773	1	83,205	1	93,636
1/4	546	1/4	10,689	1/4	21,121	1/4	31,355	1/4	41,692	1/4	52,125	1/4	62,557	1/4	72,990	1/4	83,422	1/4	93,853
1/2	691	1/2	10,906	1/2	21,339	1/2	31,565	1/2	41,910	1/2	52,342	1/2	62,775	1/2	73,207	1/2	83,640	1/2	94,070
3/4	836	3/4	11,124	3/4	21,556	3/4	31,774	3/4	42,127	3/4	52,560	3/4	62,992	3/4	73,425	3/4	83,857	3/4	94,288
2	981	2	11,341	2	21,773	2	31,984	2	42,344	2	52,777	2	63,210	2	73,642	2	84,074	2	94,505
1/4	1,180	1/4	11,558	1/4	21,991	1/4	32,194	1/4	42,562	1/4	52,994	1/4	63,427	1/4	73,860	1/4	84,292	1/4	94,722
1/2	1,380	1/2	11,776	1/2	22,208	1/2	32,404	1/2	42,779	1/2	53,212	1/2	63,644	1/2	74,077	1/2	84,509	1/2	94,940
3/4	1,579	3/4	11,993	3/4	22,425	3/4	32,614	3/4	42,996	3/4	53,429	3/4	63,862	3/4	74,294	3/4	84,726	3/4	95,157
3	1,778	3	12,210	3	22,643	3	32,824	3	43,214	3	53,646	3	64,079	3	74,512	3	84,944	3	95,374
1/4	1,996	1/4	12,428	1/4	22,860	1/4	33,034	1/4	43,431	1/4	53,864	1/4	64,296	1/4	74,729	1/4	85,161	1/4	95,592
1/2	2,213	1/2	12,645	1/2	23,077	1/2	33,244	1/2	43,648	1/2	54,081	1/2	64,514	1/2	74,946	1/2	85,378	1/2	95,809
3/4	2,430	3/4	12,862	3/4	23,295	3/4	33,454	3/4	43,866	3/4	54,298	3/4	64,731	3/4	75,164	3/4	85,596	3/4	96,026
4	2,648	4	13,080	4	23,512	4	33,664	4	44,083	4	54,516	4	64,948	4	75,381	4	85,813	4	96,243
1/4	2,865	1/4	13,297	1/4	23,729	1/4	33,878	1/4	44,300	1/4	54,733	1/4	65,166	1/4	75,598	1/4	86,030	1/4	96,461
1/2	3,082	1/2	13,514	1/2	23,947	1/2	34,092	1/2	44,518	1/2	54,950	1/2	65,383	1/2	75,816	1/2	86,247	1/2	96,678
3/4	3,300	3/4	13,732	3/4	24,164	3/4	34,306	3/4	44,735	3/4	55,168	3/4	65,600	3/4	76,033	3/4	86,465	3/4	96,895
5	3,517	5	13,949	5	24,381	5	34,520	5	44,952	5	55,385	5	65,818	5	76,250	5	86,682	5	97,113
1/4	3,734	1/4	14,166	1/4	24,599	1/4	34,737	1/4	45,170	1/4	55,602	1/4	66,035	1/4	76,468	1/4	86,899	1/4	97,330
1/2	3,952	1/2	14,384	1/2	24,816	1/2	34,954	1/2	45,387	1/2	55,820	1/2	66,252	1/2	76,685	1/2	87,117	1/2	97,547
3/4	4,169	3/4	14,601	3/4	25,033	3/4	35,172	3/4	45,604	3/4	56,037	3/4	66,470	3/4	76,902	3/4	87,334	3/4	97,765
6	4,386	6	14,818	6	25,251	6	35,389	6	45,822	6	56,254	6	66,687	6	77,120	6	87,551	6	97,982
1/4	4,604	1/4	15,036	1/4	25,464	1/4	35,606	1/4	46,039	1/4	56,472	1/4	66,904	1/4	77,337	1/4	87,769	1/4	98,199
1/2	4,821	1/2	15,253	1/2	25,678	1/2	35,824	1/2	46,256	1/2	56,689	1/2	67,122	1/2	77,554	1/2	87,986	1/2	98,416
3/4	5,038	3/4	15,470	3/4	25,892	3/4	36,041	3/4	46,474	3/4	56,906	3/4	67,339	3/4	77,772	3/4	88,203	3/4	98,634
7	5,256	7	15,688	7	26,106	7	36,258	7	46,691	7	57,124	7	67,556	7	77,989	7	88,420	7	98,851
1/4	5,473	1/4	15,905	1/4	26,316	1/4	36,476	1/4	46,908	1/4	57,341	1/4	67,774	1/4	78,206	1/4	88,638	1/4	99,068
1/2	5,690	1/2	16,122	1/2	26,526	1/2	36,693	1/2	47,126	1/2	57,558	1/2	67,991	1/2	78,424	1/2	88,855	1/2	99,286
3/4	5,908	3/4	16,340	3/4	26,736	3/4	36,911	3/4	47,343	3/4	57,776	3/4	68,209	3/4	78,641	3/4	89,072	3/4	99,503
8	6,125	8	16,557	8	26,946	8	37,128	8	47,561	8	57,993	8	68,426	8	78,859	8	89,290	8	99,720
1/4	6,342	1/4	16,774	1/4	27,156	1/4	37,345	1/4	47,778	1/4	58,211	1/4	68,643	1/4	79,076	1/4	89,507	1/4	99,938
1/2	6,560	1/2	16,992	1/2	27,366	1/2	37,563	1/2	47,995	1/2	58,428	1/2	68,861	1/2	79,293	1/2	89,724	1/2	100,155
3/4	6,777	3/4	17,209	3/4	27,576	3/4	37,780	3/4	48,213	3/4	58,645	3/4	69,078	3/4	79,511	3/4	89,942	3/4	100,372
9	6,994	9	17,427	9	27,786	9	37,997	9	48,430	9	58,863	9	69,295	9	79,728	9	90,159	9	100,589
1/4	7,212	1/4	17,644	1/4	27,996	1/4	38,215	1/4	48,647	1/4	59,080	1/4	69,513	1/4	79,945	1/4	90,376	1/4	100,807
1/2	7,429	1/2	17,861	1/2	28,206	1/2	38,432	1/2	48,865	1/2	59,297	1/2	69,730	1/2	80,163	1/2	90,594	1/2	101,024
3/4	7,646	3/4	18,079	3/4	28,416	3/4	38,649	3/4	49,082	3/4	59,515	3/4	69,947	3/4	80,380	3/4	90,811	3/4	101,241
10	7,864	10	18,296	10	28,626	10	38,867	10	49,299	10	59,732	10	70,165	10	80,597	10	91,028	10	101,459
1/4	8,081	1/4	18,513	1/4	28,836	1/4	39,084	1/4	49,517	1/4	59,949	1/4	70,382	1/4	80,815	1/4	91,245	1/4	101,676
1/2	8,298	1/2	18,731	1/2	29,045	1/2	39,301	1/2	49,734	1/2	60,167	1/2	70,599	1/2	81,032	1/2	91,463	1/2	101,893
3/4	8,516	3/4	18,948	3/4	29,255	3/4	39,519	3/4	49,951	3/4	60,384	3/4	70,817	3/4	81,249	3/4	91,680	3/4	102,111
11	8,733	11	19,165	11	29,465	11	39,736	11	50,169	11	60,601	11	71,034	11	81,467	11	91,897	11	102,328
1/4	8,950	1/4	19,383	1/4	29,675	1/4	39,953	1/4	50,386	1/4	60,819	1/4	71,251	1/4	81,684	1/4	92,115	1/4	102,545
1/2	9,168	1/2	19,600	1/2	29,885	1/2	40,171	1/2	50,603	1/2	61,036	1/2	71,469	1/2	81,901	1/2	92,332	1/2	102,763
3/4	9,385	3/4	19,817	3/4	30,095	3/4	40,388	3/4	50,821	3/4	61,253	3/4	71,686	3/4	82,119	3/4	92,549	3/4	102,980

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  
<http://www.pmacorp.net>



# BARGE "CBC 127"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-10 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	103,197	0	113,628	0	124,056	0	134,419	0	144,741	0		0		0		0		0	
1/4	103,414	1/4	113,845	1/4	124,271	1/4	134,635	1/4	144,954	1/4		1/4		1/4		1/4		1/4	
1/2	103,632	1/2	114,062	1/2	124,487	1/2	134,851	1/2	145,168	1/2		1/2		1/2		1/2		1/2	
3/4	103,849	3/4	114,280	3/4	124,703	3/4	135,067	3/4	145,381	3/4		3/4		3/4		3/4		3/4	
1	104,066	1	114,497	1	124,919	1	135,282	1	145,595	1		1		1		1		1	
1/4	104,284	1/4	114,714	1/4	125,135	1/4	135,498	1/4	145,809	1/4		1/4		1/4		1/4		1/4	
1/2	104,501	1/2	114,932	1/2	125,351	1/2	135,714	1/2	146,022	1/2		1/2		1/2		1/2		1/2	
3/4	104,718	3/4	115,149	3/4	125,567	3/4	135,930	3/4	146,236	3/4		3/4		3/4		3/4		3/4	
2	104,936	2	115,366	2	125,783	2	136,146	2	146,449	2		2		2		2		2	
1/4	105,153	1/4	115,583	1/4	125,999	1/4	136,362	1/4	146,645	1/4		1/4		1/4		1/4		1/4	
1/2	105,370	1/2	115,801	1/2	126,215	1/2	136,578	1/2	146,840	1/2		1/2		1/2		1/2		1/2	
3/4	105,587	3/4	116,018	3/4	126,430	3/4	136,794	3/4	147,036	3/4		3/4		3/4		3/4		3/4	
3	105,805	3	116,235	3	126,646	3	137,010	3	147,231	3		3		3		3		3	
1/4	106,022	1/4	116,453	1/4	126,862	1/4	137,226	1/4	147,390	1/4		1/4		1/4		1/4		1/4	
1/2	106,239	1/2	116,670	1/2	127,078	1/2	137,442	1/2	147,550	1/2		1/2		1/2		1/2		1/2	
3/4	106,457	3/4	116,887	3/4	127,294	3/4	137,657	3/4	147,709	3/4		3/4		3/4		3/4		3/4	
4	106,674	4	117,105	4	127,510	4	137,873	4	147,868	4		4		4		4		4	
1/4	106,891	1/4	117,322	1/4	127,726	1/4	138,089	1/4	147,991	1/4		1/4		1/4		1/4		1/4	
1/2	107,109	1/2	117,539	1/2	127,942	1/2	138,305	1/2	148,114	1/2		1/2		1/2		1/2		1/2	
3/4	107,326	3/4	117,756	3/4	128,158	3/4	138,521	3/4	148,237	3/4		3/4		3/4		3/4		3/4	
5	107,543	5	117,974	5	128,374	5	138,737	5	148,360	5		5		5		5		5	
1/4	107,761	1/4	118,191	1/4	128,589	1/4	138,953	1/4	148,447	1/4		1/4		1/4		1/4		1/4	
1/2	107,978	1/2	118,408	1/2	128,805	1/2	139,169	1/2	148,534	1/2		1/2		1/2		1/2		1/2	
3/4	108,195	3/4	118,626	3/4	129,021	3/4	139,385	3/4	148,621	3/4		3/4		3/4		3/4		3/4	
6	108,412	6	118,843	6	129,237	6	139,601	6	148,708	6		6		6		6		6	
1/4	108,630	1/4	119,060	1/4	129,453	1/4	139,816	1/4	148,758	1/4		1/4		1/4		1/4		1/4	
1/2	108,847	1/2	119,278	1/2	129,669	1/2	140,032	1/2	148,809	1/2		1/2		1/2		1/2		1/2	
3/4	109,064	3/4	119,495	3/4	129,885	3/4	140,248	3/4	148,859	3/4		3/4		3/4		3/4		3/4	
7	109,282	7	119,712	7	130,101	7	140,464	7	148,910	7		7		7		7		7	
1/4	109,499	1/4	119,930	1/4	130,317	1/4	140,679	1/4	148,931	1/4		1/4		1/4		1/4		1/4	
1/2	109,716	1/2	120,147	1/2	130,533	1/2	140,894	1/2	148,952	1/2		1/2		1/2		1/2		1/2	
3/4	109,934	3/4	120,364	3/4	130,749	3/4	141,108	3/4		3/4		3/4		3/4		3/4		3/4	
8	110,151	8	120,581	8	130,964	8	141,323	8		8		8		8		8		8	
1/4	110,368	1/4	120,799	1/4	131,180	1/4	141,537	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	110,585	1/2	121,016	1/2	131,396	1/2	141,750	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	110,803	3/4	121,233	3/4	131,612	3/4	141,964	3/4		3/4		3/4		3/4		3/4		3/4	
9	111,020	9	121,451	9	131,828	9	142,177	9		9		9		9		9		9	
1/4	111,237	1/4	121,668	1/4	132,044	1/4	142,391	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,455	1/2	121,885	1/2	132,260	1/2	142,605	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	111,672	3/4	122,103	3/4	132,476	3/4	142,818	3/4		3/4		3/4		3/4		3/4		3/4	
10	111,889	10	122,320	10	132,692	10	143,032	10		10		10		10		10		10	
1/4	112,107	1/4	122,537	1/4	132,908	1/4	143,245	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,324	1/2	122,754	1/2	133,123	1/2	143,459	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,541	3/4	122,972	3/4	133,339	3/4	143,673	3/4		3/4		3/4		3/4		3/4		3/4	
11	112,759	11	123,189	11	133,555	11	143,886	11		11		11		11		11		11	
1/4	112,976	1/4	123,406	1/4	133,771	1/4	144,100	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,193	1/2	123,622	1/2	133,987	1/2	144,313	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,410	3/4	123,839	3/4	134,203	3/4	144,527	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/06/2014 CL  
CALCULATED: 11/06/2014 CL  
PRINTED: 11/06/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2014

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "CBC 127"

# 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-10 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	119	0	10,532	0	21,978	0	33,261	0	44,598	0	56,016	0	67,434	0	78,827	0	90,226	0	101,648
1/4	198	1/4	10,770	1/4	22,216	1/4	33,493	1/4	44,836	1/4	56,254	1/4	67,672	1/4	79,063	1/4	90,464	1/4	101,886
1/2	278	1/2	11,008	1/2	22,455	1/2	33,725	1/2	45,073	1/2	56,492	1/2	67,910	1/2	79,300	1/2	90,702	1/2	102,124
3/4	357	3/4	11,247	3/4	22,693	3/4	33,957	3/4	45,311	3/4	56,730	3/4	68,148	3/4	79,536	3/4	90,940	3/4	102,362
1	437	1	11,485	1	22,932	1	34,189	1	45,549	1	56,968	1	68,386	1	79,773	1	91,178	1	102,600
1/4	596	1/4	11,724	1/4	23,170	1/4	34,421	1/4	45,787	1/4	57,205	1/4	68,624	1/4	80,009	1/4	91,416	1/4	102,838
1/2	755	1/2	11,962	1/2	23,409	1/2	34,653	1/2	46,025	1/2	57,443	1/2	68,862	1/2	80,246	1/2	91,654	1/2	103,076
3/4	914	3/4	12,201	3/4	23,647	3/4	34,885	3/4	46,263	3/4	57,681	3/4	69,099	3/4	80,482	3/4	91,892	3/4	103,314
2	1,073	2	12,439	2	23,886	2	35,117	2	46,501	2	57,919	2	69,337	2	80,719	2	92,130	2	103,552
1/4	1,291	1/4	12,678	1/4	24,124	1/4	35,349	1/4	46,739	1/4	58,157	1/4	69,575	1/4	80,955	1/4	92,368	1/4	103,790
1/2	1,510	1/2	12,916	1/2	24,362	1/2	35,581	1/2	46,976	1/2	58,395	1/2	69,813	1/2	81,192	1/2	92,606	1/2	104,028
3/4	1,729	3/4	13,155	3/4	24,601	3/4	35,813	3/4	47,214	3/4	58,633	3/4	70,051	3/4	81,429	3/4	92,844	3/4	104,266
3	1,947	3	13,393	3	24,839	3	36,046	3	47,452	3	58,871	3	70,289	3	81,665	3	93,082	3	104,504
1/4	2,186	1/4	13,632	1/4	25,078	1/4	36,281	1/4	47,690	1/4	59,108	1/4	70,527	1/4	81,902	1/4	93,320	1/4	104,741
1/2	2,424	1/2	13,870	1/2	25,316	1/2	36,515	1/2	47,928	1/2	59,346	1/2	70,765	1/2	82,139	1/2	93,558	1/2	104,979
3/4	2,662	3/4	14,109	3/4	25,555	3/4	36,750	3/4	48,166	3/4	59,584	3/4	71,003	3/4	82,376	3/4	93,796	3/4	105,217
4	2,901	4	14,347	4	25,793	4	36,985	4	48,404	4	59,822	4	71,240	4	82,613	4	94,034	4	105,455
1/4	3,139	1/4	14,585	1/4	26,032	1/4	37,223	1/4	48,642	1/4	60,060	1/4	71,478	1/4	82,850	1/4	94,272	1/4	105,693
1/2	3,378	1/2	14,824	1/2	26,270	1/2	37,461	1/2	48,880	1/2	60,298	1/2	71,716	1/2	83,088	1/2	94,510	1/2	105,931
3/4	3,616	3/4	15,062	3/4	26,509	3/4	37,699	3/4	49,117	3/4	60,536	3/4	71,954	3/4	83,325	3/4	94,748	3/4	106,169
5	3,855	5	15,301	5	26,747	5	37,937	5	49,355	5	60,774	5	72,192	5	83,563	5	94,985	5	106,407
1/4	4,093	1/4	15,539	1/4	26,983	1/4	38,175	1/4	49,593	1/4	61,011	1/4	72,430	1/4	83,801	1/4	95,223	1/4	106,645
1/2	4,332	1/2	15,778	1/2	27,218	1/2	38,413	1/2	49,831	1/2	61,249	1/2	72,667	1/2	84,039	1/2	95,461	1/2	106,883
3/4	4,570	3/4	16,016	3/4	27,453	3/4	38,651	3/4	50,069	3/4	61,487	3/4	72,905	3/4	84,277	3/4	95,699	3/4	107,121
6	4,808	6	16,255	6	27,689	6	38,888	6	50,307	6	61,725	6	73,142	6	84,515	6	95,937	6	107,359
1/4	5,047	1/4	16,493	1/4	27,921	1/4	39,126	1/4	50,545	1/4	61,963	1/4	73,380	1/4	84,753	1/4	96,175	1/4	107,597
1/2	5,285	1/2	16,732	1/2	28,154	1/2	39,364	1/2	50,783	1/2	62,201	1/2	73,617	1/2	84,991	1/2	96,413	1/2	107,835
3/4	5,524	3/4	16,970	3/4	28,386	3/4	39,602	3/4	51,020	3/4	62,439	3/4	73,854	3/4	85,229	3/4	96,651	3/4	108,073
7	5,762	7	17,209	7	28,619	7	39,840	7	51,258	7	62,677	7	74,091	7	85,467	7	96,889	7	108,311
1/4	6,001	1/4	17,447	1/4	28,851	1/4	40,078	1/4	51,496	1/4	62,915	1/4	74,329	1/4	85,705	1/4	97,127	1/4	108,549
1/2	6,239	1/2	17,685	1/2	29,083	1/2	40,316	1/2	51,734	1/2	63,152	1/2	74,566	1/2	85,943	1/2	97,365	1/2	108,787
3/4	6,478	3/4	17,924	3/4	29,316	3/4	40,554	3/4	51,972	3/4	63,390	3/4	74,803	3/4	86,181	3/4	97,603	3/4	109,025
8	6,716	8	18,162	8	29,548	8	40,792	8	52,210	8	63,628	8	75,041	8	86,419	8	97,841	8	109,263
1/4	6,955	1/4	18,401	1/4	29,780	1/4	41,029	1/4	52,448	1/4	63,866	1/4	75,278	1/4	86,657	1/4	98,079	1/4	109,500
1/2	7,193	1/2	18,639	1/2	30,012	1/2	41,267	1/2	52,686	1/2	64,104	1/2	75,514	1/2	86,895	1/2	98,317	1/2	109,738
3/4	7,432	3/4	18,878	3/4	30,244	3/4	41,505	3/4	52,924	3/4	64,342	3/4	75,751	3/4	87,133	3/4	98,555	3/4	109,976
9	7,670	9	19,116	9	30,476	9	41,743	9	53,161	9	64,580	9	75,988	9	87,371	9	98,793	9	110,214
1/4	7,908	1/4	19,355	1/4	30,708	1/4	41,981	1/4	53,399	1/4	64,818	1/4	76,225	1/4	87,609	1/4	99,031	1/4	110,452
1/2	8,147	1/2	19,593	1/2	30,940	1/2	42,219	1/2	53,637	1/2	65,055	1/2	76,461	1/2	87,847	1/2	99,269	1/2	110,690
3/4	8,385	3/4	19,832	3/4	31,172	3/4	42,457	3/4	53,875	3/4	65,293	3/4	76,698	3/4	88,085	3/4	99,507	3/4	110,928
10	8,624	10	20,070	10	31,404	10	42,695	10	54,113	10	65,531	10	76,934	10	88,323	10	99,745	10	111,166
1/4	8,862	1/4	20,309	1/4	31,636	1/4	42,932	1/4	54,351	1/4	65,769	1/4	77,171	1/4	88,561	1/4	99,982	1/4	111,404
1/2	9,101	1/2	20,547	1/2	31,868	1/2	43,170	1/2	54,589	1/2	66,007	1/2	77,407	1/2	88,799	1/2	100,220	1/2	111,642
3/4	9,339	3/4	20,786	3/4	32,100	3/4	43,408	3/4	54,827	3/4	66,245	3/4	77,644	3/4	89,037	3/4	100,458	3/4	111,880
11	9,578	11	21,024	11	32,333	11	43,646	11	55,064	11	66,483	11	77,881	11	89,275	11	100,696	11	112,118
1/4	9,816	1/4	21,262	1/4	32,565	1/4	43,884	1/4	55,302	1/4	66,721	1/4	78,117	1/4	89,513	1/4	100,934	1/4	112,356
1/2	10,055	1/2	21,501	1/2	32,797	1/2	44,122	1/2	55,540	1/2	66,959	1/2	78,354	1/2	89,751	1/2	101,172	1/2	112,594
3/4	10,293	3/4	21,739	3/4	33,029	3/4	44,360	3/4	55,778	3/4	67,196	3/4	78,590	3/4	89,989	3/4	101,410	3/4	112,831

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

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# BARGE "CBC 127"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-10 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	113,069	0	124,492	0	135,935	0	147,336	0	158,717	0		0		0		0		0	
1/4	113,307	1/4	124,731	1/4	136,173	1/4	147,574	1/4	158,953	1/4		1/4		1/4		1/4		1/4	
1/2	113,545	1/2	124,969	1/2	136,410	1/2	147,812	1/2	159,189	1/2		1/2		1/2		1/2		1/2	
3/4	113,782	3/4	125,207	3/4	136,648	3/4	148,050	3/4	159,425	3/4		3/4		3/4		3/4		3/4	
1	114,020	1	125,446	1	136,886	1	148,288	1	159,660	1		1		1		1		1	
1/4	114,258	1/4	125,684	1/4	137,124	1/4	148,526	1/4	159,896	1/4		1/4		1/4		1/4		1/4	
1/2	114,495	1/2	125,923	1/2	137,362	1/2	148,763	1/2	160,132	1/2		1/2		1/2		1/2		1/2	
3/4	114,733	3/4	126,161	3/4	137,600	3/4	149,001	3/4	160,368	3/4		3/4		3/4		3/4		3/4	
2	114,971	2	126,399	2	137,838	2	149,239	2	160,604	2		2		2		2		2	
1/4	115,209	1/4	126,638	1/4	138,076	1/4	149,477	1/4	160,820	1/4		1/4		1/4		1/4		1/4	
1/2	115,446	1/2	126,876	1/2	138,313	1/2	149,715	1/2	161,036	1/2		1/2		1/2		1/2		1/2	
3/4	115,684	3/4	127,115	3/4	138,551	3/4	149,953	3/4	161,252	3/4		3/4		3/4		3/4		3/4	
3	115,922	3	127,353	3	138,789	3	150,191	3	161,467	3		3		3		3		3	
1/4	116,159	1/4	127,591	1/4	139,027	1/4	150,429	1/4	161,644	1/4		1/4		1/4		1/4		1/4	
1/2	116,397	1/2	127,830	1/2	139,265	1/2	150,667	1/2	161,820	1/2		1/2		1/2		1/2		1/2	
3/4	116,635	3/4	128,068	3/4	139,503	3/4	150,904	3/4	161,996	3/4		3/4		3/4		3/4		3/4	
4	116,872	4	128,307	4	139,741	4	151,142	4	162,172	4		4		4		4		4	
1/4	117,110	1/4	128,545	1/4	139,979	1/4	151,380	1/4	162,309	1/4		1/4		1/4		1/4		1/4	
1/2	117,348	1/2	128,783	1/2	140,217	1/2	151,618	1/2	162,445	1/2		1/2		1/2		1/2		1/2	
3/4	117,586	3/4	129,022	3/4	140,454	3/4	151,856	3/4	162,582	3/4		3/4		3/4		3/4		3/4	
5	117,823	5	129,260	5	140,692	5	152,094	5	162,718	5		5		5		5		5	
1/4	118,061	1/4	129,499	1/4	140,930	1/4	152,332	1/4	162,815	1/4		1/4		1/4		1/4		1/4	
1/2	118,299	1/2	129,737	1/2	141,167	1/2	152,570	1/2	162,912	1/2		1/2		1/2		1/2		1/2	
3/4	118,537	3/4	129,976	3/4	141,405	3/4	152,807	3/4	163,008	3/4		3/4		3/4		3/4		3/4	
6	118,775	6	130,214	6	141,642	6	153,045	6	163,105	6		6		6		6		6	
1/4	119,013	1/4	130,452	1/4	141,880	1/4	153,283	1/4	163,162	1/4		1/4		1/4		1/4		1/4	
1/2	119,251	1/2	130,691	1/2	142,117	1/2	153,521	1/2	163,219	1/2		1/2		1/2		1/2		1/2	
3/4	119,490	3/4	130,929	3/4	142,354	3/4	153,759	3/4	163,276	3/4		3/4		3/4		3/4		3/4	
7	119,728	7	131,168	7	142,591	7	153,997	7	163,333	7		7		7		7		7	
1/4	119,966	1/4	131,406	1/4	142,828	1/4	154,234	1/4	163,356	1/4		1/4		1/4		1/4		1/4	
1/2	120,204	1/2	131,644	1/2	143,066	1/2	154,471	1/2	163,380	1/2		1/2		1/2		1/2		1/2	
3/4	120,442	3/4	131,883	3/4	143,303	3/4	154,707	3/4		3/4		3/4		3/4		3/4		3/4	
8	120,681	8	132,121	8	143,540	8	154,944	8		8		8		8		8		8	
1/4	120,919	1/4	132,360	1/4	143,777	1/4	155,180	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,157	1/2	132,598	1/2	144,014	1/2	155,416	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	121,395	3/4	132,836	3/4	144,251	3/4	155,652	3/4		3/4		3/4		3/4		3/4		3/4	
9	121,633	9	133,075	9	144,489	9	155,887	9		9		9		9		9		9	
1/4	121,872	1/4	133,313	1/4	144,726	1/4	156,123	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	122,110	1/2	133,552	1/2	144,963	1/2	156,359	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	122,348	3/4	133,790	3/4	145,200	3/4	156,595	3/4		3/4		3/4		3/4		3/4		3/4	
10	122,586	10	134,028	10	145,437	10	156,831	10		10		10		10		10		10	
1/4	122,824	1/4	134,267	1/4	145,674	1/4	157,067	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	123,063	1/2	134,505	1/2	145,912	1/2	157,302	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	123,301	3/4	134,744	3/4	146,149	3/4	157,538	3/4		3/4		3/4		3/4		3/4		3/4	
11	123,539	11	134,982	11	146,386	11	157,774	11		11		11		11		11		11	
1/4	123,777	1/4	135,220	1/4	146,624	1/4	158,010	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	124,016	1/2	135,458	1/2	146,861	1/2	158,246	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	124,254	3/4	135,696	3/4	147,099	3/4	158,481	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/06/2014 CL  
CALCULATED: 11/06/2014 CL  
PRINTED: 11/06/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2014

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