



# BARGE "CBC 1349"

## INNAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 161'-09"

July 6, 2012

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

<http://www.pmacorp.net>



# BARGE "CBC 1349"

# 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	8,085	0	18,865	0	29,495	0	40,154	0	50,906	0	61,659	0	72,388	0	83,119	0	93,874
1/4	58	1/4	8,309	1/4	19,090	1/4	29,713	1/4	40,378	1/4	51,130	1/4	61,883	1/4	72,610	1/4	83,343	1/4	94,098
1/2	77	1/2	8,534	1/2	19,314	1/2	29,931	1/2	40,602	1/2	51,354	1/2	62,107	1/2	72,833	1/2	83,567	1/2	94,322
3/4	95	3/4	8,759	3/4	19,539	3/4	30,149	3/4	40,826	3/4	51,578	3/4	62,331	3/4	73,056	3/4	83,791	3/4	94,546
1	114	1	8,983	1	19,763	1	30,368	1	41,050	1	51,802	1	62,555	1	73,278	1	84,015	1	94,771
1/4	170	1/4	9,208	1/4	19,988	1/4	30,586	1/4	41,274	1/4	52,026	1/4	62,779	1/4	73,501	1/4	84,239	1/4	94,995
1/2	226	1/2	9,432	1/2	20,212	1/2	30,804	1/2	41,498	1/2	52,250	1/2	63,003	1/2	73,724	1/2	84,463	1/2	95,219
3/4	283	3/4	9,657	3/4	20,437	3/4	31,022	3/4	41,722	3/4	52,474	3/4	63,227	3/4	73,946	3/4	84,687	3/4	95,443
2	339	2	9,881	2	20,662	2	31,240	2	41,946	2	52,698	2	63,451	2	74,169	2	84,911	2	95,667
1/4	432	1/4	10,106	1/4	20,886	1/4	31,459	1/4	42,170	1/4	52,922	1/4	63,675	1/4	74,392	1/4	85,135	1/4	95,891
1/2	526	1/2	10,331	1/2	21,111	1/2	31,677	1/2	42,394	1/2	53,146	1/2	63,899	1/2	74,614	1/2	85,359	1/2	96,115
3/4	619	3/4	10,555	3/4	21,335	3/4	31,895	3/4	42,618	3/4	53,370	3/4	64,123	3/4	74,837	3/4	85,583	3/4	96,339
3	713	3	10,780	3	21,560	3	32,113	3	42,842	3	53,594	3	64,347	3	75,060	3	85,808	3	96,563
1/4	844	1/4	11,004	1/4	21,785	1/4	32,331	1/4	43,066	1/4	53,818	1/4	64,571	1/4	75,282	1/4	86,032	1/4	96,787
1/2	975	1/2	11,229	1/2	22,009	1/2	32,550	1/2	43,290	1/2	54,042	1/2	64,795	1/2	75,505	1/2	86,256	1/2	97,011
3/4	1,106	3/4	11,454	3/4	22,234	3/4	32,768	3/4	43,514	3/4	54,266	3/4	65,019	3/4	75,728	3/4	86,480	3/4	97,235
4	1,237	4	11,678	4	22,458	4	32,986	4	43,738	4	54,491	4	65,243	4	75,950	4	86,704	4	97,459
1/4	1,405	1/4	11,903	1/4	22,683	1/4	33,210	1/4	43,962	1/4	54,715	1/4	65,467	1/4	76,174	1/4	86,928	1/4	97,684
1/2	1,574	1/2	12,127	1/2	22,907	1/2	33,434	1/2	44,186	1/2	54,939	1/2	65,691	1/2	76,397	1/2	87,152	1/2	97,908
3/4	1,742	3/4	12,352	3/4	23,132	3/4	33,658	3/4	44,410	3/4	55,163	3/4	65,915	3/4	76,620	3/4	87,376	3/4	98,132
5	1,911	5	12,576	5	23,357	5	33,882	5	44,634	5	55,387	5	66,139	5	76,844	5	87,600	5	98,356
1/4	2,116	1/4	12,801	1/4	23,581	1/4	34,106	1/4	44,858	1/4	55,611	1/4	66,363	1/4	77,068	1/4	87,824	1/4	98,580
1/2	2,321	1/2	13,026	1/2	23,806	1/2	34,330	1/2	45,082	1/2	55,835	1/2	66,587	1/2	77,292	1/2	88,048	1/2	98,804
3/4	2,526	3/4	13,250	3/4	24,030	3/4	34,554	3/4	45,306	3/4	56,059	3/4	66,811	3/4	77,516	3/4	88,272	3/4	99,028
6	2,732	6	13,475	6	24,255	6	34,778	6	45,530	6	56,283	6	67,035	6	77,740	6	88,496	6	99,252
1/4	2,952	1/4	13,699	1/4	24,474	1/4	35,002	1/4	45,754	1/4	56,507	1/4	67,258	1/4	77,964	1/4	88,721	1/4	99,476
1/2	3,172	1/2	13,924	1/2	24,692	1/2	35,226	1/2	45,978	1/2	56,731	1/2	67,482	1/2	78,188	1/2	88,945	1/2	99,700
3/4	3,392	3/4	14,149	3/4	24,911	3/4	35,450	3/4	46,202	3/4	56,955	3/4	67,705	3/4	78,412	3/4	89,169	3/4	99,924
7	3,612	7	14,373	7	25,129	7	35,674	7	46,426	7	57,179	7	67,928	7	78,637	7	89,393	7	100,148
1/4	3,834	1/4	14,598	1/4	25,348	1/4	35,898	1/4	46,650	1/4	57,403	1/4	68,152	1/4	78,861	1/4	89,617	1/4	100,372
1/2	4,056	1/2	14,822	1/2	25,566	1/2	36,122	1/2	46,874	1/2	57,627	1/2	68,375	1/2	79,085	1/2	89,841	1/2	100,596
3/4	4,278	3/4	15,047	3/4	25,785	3/4	36,346	3/4	47,098	3/4	57,851	3/4	68,599	3/4	79,309	3/4	90,065	3/4	100,821
8	4,500	8	15,272	8	26,004	8	36,570	8	47,322	8	58,075	8	68,822	8	79,533	8	90,289	8	101,045
1/4	4,724	1/4	15,496	1/4	26,222	1/4	36,794	1/4	47,546	1/4	58,299	1/4	69,046	1/4	79,757	1/4	90,513	1/4	101,269
1/2	4,947	1/2	15,721	1/2	26,440	1/2	37,018	1/2	47,770	1/2	58,523	1/2	69,269	1/2	79,981	1/2	90,737	1/2	101,493
3/4	5,170	3/4	15,945	3/4	26,658	3/4	37,242	3/4	47,994	3/4	58,747	3/4	69,492	3/4	80,205	3/4	90,961	3/4	101,717
9	5,393	9	16,170	9	26,876	9	37,466	9	48,218	9	58,971	9	69,716	9	80,429	9	91,185	9	101,941
1/4	5,617	1/4	16,394	1/4	27,095	1/4	37,690	1/4	48,442	1/4	59,195	1/4	69,938	1/4	80,653	1/4	91,409	1/4	102,165
1/2	5,841	1/2	16,619	1/2	27,313	1/2	37,914	1/2	48,666	1/2	59,419	1/2	70,161	1/2	80,878	1/2	91,633	1/2	102,389
3/4	6,065	3/4	16,844	3/4	27,531	3/4	38,138	3/4	48,890	3/4	59,643	3/4	70,384	3/4	81,102	3/4	91,858	3/4	102,613
10	6,289	10	17,068	10	27,749	10	38,362	10	49,114	10	59,867	10	70,606	10	81,326	10	92,082	10	102,837
1/4	6,513	1/4	17,293	1/4	27,967	1/4	38,586	1/4	49,338	1/4	60,091	1/4	70,829	1/4	81,550	1/4	92,306	1/4	103,061
1/2	6,738	1/2	17,517	1/2	28,186	1/2	38,810	1/2	49,562	1/2	60,315	1/2	71,052	1/2	81,774	1/2	92,530	1/2	103,285
3/4	6,962	3/4	17,742	3/4	28,404	3/4	39,034	3/4	49,786	3/4	60,539	3/4	71,274	3/4	81,998	3/4	92,754	3/4	103,509
11	7,186	11	17,967	11	28,622	11	39,258	11	50,010	11	60,763	11	71,497	11	82,222	11	92,978	11	103,734
1/4	7,411	1/4	18,191	1/4	28,840	1/4	39,482	1/4	50,234	1/4	60,987	1/4	71,720	1/4	82,446	1/4	93,202	1/4	103,958
1/2	7,636	1/2	18,416	1/2	29,058	1/2	39,706	1/2	50,458	1/2	61,211	1/2	71,942	1/2	82,670	1/2	93,426	1/2	104,182
3/4	7,860	3/4	18,640	3/4	29,277	3/4	39,930	3/4	50,682	3/4	61,435	3/4	72,165	3/4	82,895	3/4	93,650	3/4	104,406

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 26'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "CBC 1349"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	104,630	0	114,723	0	124,175	0	133,585	0	142,979	0		0		0		0		0	
1/4	104,854	1/4	114,919	1/4	124,371	1/4	133,781	1/4	143,173	1/4		1/4		1/4		1/4		1/4	
1/2	105,077	1/2	115,116	1/2	124,567	1/2	133,978	1/2	143,367	1/2		1/2		1/2		1/2		1/2	
3/4	105,301	3/4	115,313	3/4	124,764	3/4	134,174	3/4	143,562	3/4		3/4		3/4		3/4		3/4	
1	105,525	1	115,510	1	124,960	1	134,370	1	143,756	1		1		1		1		1	
1/4	105,749	1/4	115,707	1/4	125,157	1/4	134,567	1/4	143,950	1/4		1/4		1/4		1/4		1/4	
1/2	105,973	1/2	115,904	1/2	125,353	1/2	134,763	1/2	144,145	1/2		1/2		1/2		1/2		1/2	
3/4	106,197	3/4	116,101	3/4	125,549	3/4	134,960	3/4	144,339	3/4		3/4		3/4		3/4		3/4	
2	106,420	2	116,298	2	125,746	2	135,156	2	144,533	2		2		2		2		2	
1/4	106,644	1/4	116,495	1/4	125,942	1/4	135,352	1/4	144,737	1/4		1/4		1/4		1/4		1/4	
1/2	106,868	1/2	116,692	1/2	126,139	1/2	135,549	1/2	144,940	1/2		1/2		1/2		1/2		1/2	
3/4	107,092	3/4	116,889	3/4	126,335	3/4	135,745	3/4	145,143	3/4		3/4		3/4		3/4		3/4	
3	107,316	3	117,086	3	126,531	3	135,942	3	145,346	3		3		3		3		3	
1/4	107,540	1/4	117,283	1/4	126,728	1/4	136,138	1/4	145,512	1/4		1/4		1/4		1/4		1/4	
1/2	107,763	1/2	117,479	1/2	126,924	1/2	136,334	1/2	145,678	1/2		1/2		1/2		1/2		1/2	
3/4	107,987	3/4	117,676	3/4	127,121	3/4	136,531	3/4	145,844	3/4		3/4		3/4		3/4		3/4	
4	108,211	4	117,873	4	127,317	4	136,727	4	146,009	4		4		4		4		4	
1/4	108,435	1/4	118,070	1/4	127,513	1/4	136,924	1/4	146,138	1/4		1/4		1/4		1/4		1/4	
1/2	108,659	1/2	118,267	1/2	127,710	1/2	137,120	1/2	146,266	1/2		1/2		1/2		1/2		1/2	
3/4	108,883	3/4	118,464	3/4	127,906	3/4	137,316	3/4	146,394	3/4		3/4		3/4		3/4		3/4	
5	109,106	5	118,661	5	128,103	5	137,513	5	146,523	5		5		5		5		5	
1/4	109,330	1/4	118,858	1/4	128,299	1/4	137,709	1/4	146,614	1/4		1/4		1/4		1/4		1/4	
1/2	109,554	1/2	119,055	1/2	128,495	1/2	137,906	1/2	146,705	1/2		1/2		1/2		1/2		1/2	
3/4	109,778	3/4	119,252	3/4	128,692	3/4	138,102	3/4	146,796	3/4		3/4		3/4		3/4		3/4	
6	110,002	6	119,449	6	128,888	6	138,298	6	146,887	6		6		6		6		6	
1/4	110,198	1/4	119,646	1/4	129,084	1/4	138,495	1/4	146,940	1/4		1/4		1/4		1/4		1/4	
1/2	110,395	1/2	119,842	1/2	129,280	1/2	138,691	1/2	146,994	1/2		1/2		1/2		1/2		1/2	
3/4	110,592	3/4	120,039	3/4	129,475	3/4	138,888	3/4	147,047	3/4		3/4		3/4		3/4		3/4	
7	110,788	7	120,236	7	129,671	7	139,084	7	147,100	7		7		7		7		7	
1/4	110,985	1/4	120,433	1/4	129,867	1/4	139,280	1/4	147,117	1/4		1/4		1/4		1/4		1/4	
1/2	111,182	1/2	120,630	1/2	130,062	1/2	139,477	1/2	147,133	1/2		1/2		1/2		1/2		1/2	
3/4	111,379	3/4	120,827	3/4	130,258	3/4	139,673	3/4	147,149	3/4		3/4		3/4		3/4		3/4	
8	111,575	8	121,024	8	130,454	8	139,870	8	147,165	8		8		8		8		8	
1/4	111,772	1/4	121,221	1/4	130,649	1/4	140,064	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,969	1/2	121,418	1/2	130,845	1/2	140,258	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,165	3/4	121,615	3/4	131,041	3/4	140,453	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,362	9	121,812	9	131,237	9	140,647	9		9		9		9		9		9	
1/4	112,559	1/4	122,009	1/4	131,432	1/4	140,841	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,756	1/2	122,206	1/2	131,628	1/2	141,036	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,952	3/4	122,402	3/4	131,824	3/4	141,230	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,149	10	122,599	10	132,019	10	141,424	10		10		10		10		10		10	
1/4	113,346	1/4	122,796	1/4	132,215	1/4	141,618	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,542	1/2	122,993	1/2	132,411	1/2	141,813	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,739	3/4	123,190	3/4	132,606	3/4	142,007	3/4		3/4		3/4		3/4		3/4		3/4	
11	113,936	11	123,387	11	132,802	11	142,201	11		11		11		11		11		11	
1/4	114,132	1/4	123,584	1/4	132,998	1/4	142,396	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,329	1/2	123,781	1/2	133,194	1/2	142,590	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,526	3/4	123,978	3/4	133,389	3/4	142,784	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/06/2012 CL - SW  
CALCULATED: 07/06/2012 CL  
PRINTED: 07/06/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2012

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



# BARGE "CBC 1349"

## 2 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	9,040	0	21,100	0	33,013	0	44,926	0	56,986	0	69,046	0	81,106	0	93,166	0	105,224
1/4	60	1/4	9,291	1/4	21,351	1/4	33,256	1/4	45,177	1/4	57,237	1/4	69,297	1/4	81,357	1/4	93,417	1/4	105,475
1/2	81	1/2	9,542	1/2	21,602	1/2	33,500	1/2	45,428	1/2	57,488	1/2	69,548	1/2	81,608	1/2	93,668	1/2	105,726
3/4	102	3/4	9,794	3/4	21,853	3/4	33,744	3/4	45,680	3/4	57,740	3/4	69,800	3/4	81,860	3/4	93,919	3/4	105,977
1	123	1	10,045	1	22,104	1	33,988	1	45,931	1	57,991	1	70,051	1	82,111	1	94,171	1	106,229
1/4	186	1/4	10,296	1/4	22,356	1/4	34,232	1/4	46,182	1/4	58,242	1/4	70,302	1/4	82,362	1/4	94,422	1/4	106,480
1/2	249	1/2	10,547	1/2	22,607	1/2	34,476	1/2	46,433	1/2	58,493	1/2	70,553	1/2	82,613	1/2	94,673	1/2	106,731
3/4	311	3/4	10,799	3/4	22,858	3/4	34,719	3/4	46,685	3/4	58,745	3/4	70,805	3/4	82,865	3/4	94,924	3/4	106,982
2	374	2	11,050	2	23,109	2	34,963	2	46,936	2	58,996	2	71,056	2	83,116	2	95,176	2	107,233
1/4	479	1/4	11,301	1/4	23,361	1/4	35,207	1/4	47,187	1/4	59,247	1/4	71,307	1/4	83,367	1/4	95,427	1/4	107,485
1/2	584	1/2	11,552	1/2	23,612	1/2	35,451	1/2	47,438	1/2	59,498	1/2	71,558	1/2	83,618	1/2	95,678	1/2	107,736
3/4	688	3/4	11,804	3/4	23,863	3/4	35,695	3/4	47,690	3/4	59,750	3/4	71,810	3/4	83,870	3/4	95,929	3/4	107,987
3	793	3	12,055	3	24,114	3	35,939	3	47,941	3	60,001	3	72,061	3	84,121	3	96,180	3	108,238
1/4	939	1/4	12,306	1/4	24,366	1/4	36,182	1/4	48,192	1/4	60,252	1/4	72,312	1/4	84,372	1/4	96,432	1/4	108,489
1/2	1,086	1/2	12,557	1/2	24,617	1/2	36,426	1/2	48,443	1/2	60,503	1/2	72,563	1/2	84,623	1/2	96,683	1/2	108,741
3/4	1,233	3/4	12,809	3/4	24,868	3/4	36,670	3/4	48,695	3/4	60,755	3/4	72,815	3/4	84,875	3/4	96,934	3/4	108,992
4	1,379	4	13,060	4	25,119	4	36,914	4	48,946	4	61,006	4	73,066	4	85,126	4	97,185	4	109,243
1/4	1,568	1/4	13,311	1/4	25,371	1/4	37,158	1/4	49,197	1/4	61,257	1/4	73,317	1/4	85,377	1/4	97,436	1/4	109,494
1/2	1,756	1/2	13,562	1/2	25,622	1/2	37,402	1/2	49,448	1/2	61,508	1/2	73,568	1/2	85,628	1/2	97,688	1/2	109,745
3/4	1,944	3/4	13,814	3/4	25,873	3/4	37,647	3/4	49,700	3/4	61,760	3/4	73,820	3/4	85,880	3/4	97,939	3/4	109,997
5	2,133	5	14,065	5	26,124	5	37,891	5	49,951	5	62,011	5	74,071	5	86,131	5	98,190	5	110,248
1/4	2,362	1/4	14,316	1/4	26,376	1/4	38,142	1/4	50,202	1/4	62,262	1/4	74,322	1/4	86,382	1/4	98,441	1/4	110,499
1/2	2,592	1/2	14,567	1/2	26,627	1/2	38,393	1/2	50,453	1/2	62,513	1/2	74,573	1/2	86,633	1/2	98,692	1/2	110,750
3/4	2,822	3/4	14,819	3/4	26,878	3/4	38,645	3/4	50,705	3/4	62,765	3/4	74,825	3/4	86,885	3/4	98,944	3/4	111,002
6	3,051	6	15,070	6	27,129	6	38,896	6	50,956	6	63,016	6	75,076	6	87,136	6	99,195	6	111,253
1/4	3,298	1/4	15,321	1/4	27,381	1/4	39,147	1/4	51,207	1/4	63,267	1/4	75,327	1/4	87,387	1/4	99,446	1/4	111,504
1/2	3,544	1/2	15,572	1/2	27,632	1/2	39,398	1/2	51,458	1/2	63,518	1/2	75,578	1/2	87,638	1/2	99,697	1/2	111,755
3/4	3,790	3/4	15,823	3/4	27,883	3/4	39,650	3/4	51,710	3/4	63,770	3/4	75,830	3/4	87,890	3/4	99,948	3/4	112,006
7	4,036	7	16,075	7	28,134	7	39,901	7	51,961	7	64,021	7	76,081	7	88,141	7	100,200	7	112,258
1/4	4,285	1/4	16,326	1/4	28,378	1/4	40,152	1/4	52,212	1/4	64,272	1/4	76,332	1/4	88,392	1/4	100,451	1/4	112,509
1/2	4,533	1/2	16,577	1/2	28,623	1/2	40,403	1/2	52,463	1/2	64,523	1/2	76,583	1/2	88,643	1/2	100,702	1/2	112,760
3/4	4,782	3/4	16,828	3/4	28,867	3/4	40,655	3/4	52,715	3/4	64,775	3/4	76,835	3/4	88,895	3/4	100,953	3/4	113,011
8	5,030	8	17,080	8	29,111	8	40,906	8	52,966	8	65,026	8	77,086	8	89,146	8	101,204	8	113,262
1/4	5,280	1/4	17,331	1/4	29,355	1/4	41,157	1/4	53,217	1/4	65,277	1/4	77,337	1/4	89,397	1/4	101,456	1/4	113,514
1/2	5,529	1/2	17,582	1/2	29,599	1/2	41,408	1/2	53,468	1/2	65,528	1/2	77,588	1/2	89,648	1/2	101,707	1/2	113,765
3/4	5,779	3/4	17,833	3/4	29,843	3/4	41,660	3/4	53,720	3/4	65,780	3/4	77,840	3/4	89,900	3/4	101,958	3/4	114,016
9	6,029	9	18,085	9	30,086	9	41,911	9	53,971	9	66,031	9	78,091	9	90,151	9	102,209	9	114,267
1/4	6,279	1/4	18,336	1/4	30,330	1/4	42,162	1/4	54,222	1/4	66,282	1/4	78,342	1/4	90,402	1/4	102,461	1/4	114,518
1/2	6,530	1/2	18,587	1/2	30,574	1/2	42,413	1/2	54,473	1/2	66,533	1/2	78,593	1/2	90,653	1/2	102,712	1/2	114,770
3/4	6,780	3/4	18,838	3/4	30,818	3/4	42,665	3/4	54,725	3/4	66,785	3/4	78,845	3/4	90,905	3/4	102,963	3/4	115,021
10	7,031	10	19,090	10	31,062	10	42,916	10	54,976	10	67,036	10	79,096	10	91,156	10	103,214	10	115,272
1/4	7,282	1/4	19,341	1/4	31,306	1/4	43,167	1/4	55,227	1/4	67,287	1/4	79,347	1/4	91,407	1/4	103,465	1/4	115,523
1/2	7,533	1/2	19,592	1/2	31,549	1/2	43,418	1/2	55,478	1/2	67,538	1/2	79,598	1/2	91,658	1/2	103,717	1/2	115,774
3/4	7,784	3/4	19,843	3/4	31,793	3/4	43,670	3/4	55,730	3/4	67,790	3/4	79,850	3/4	91,910	3/4	103,968	3/4	116,026
11	8,035	11	20,095	11	32,037	11	43,921	11	55,981	11	68,041	11	80,101	11	92,161	11	104,219	11	116,277
1/4	8,286	1/4	20,346	1/4	32,281	1/4	44,172	1/4	56,232	1/4	68,292	1/4	80,352	1/4	92,412	1/4	104,470	1/4	116,528
1/2	8,538	1/2	20,597	1/2	32,525	1/2	44,423	1/2	56,483	1/2	68,543	1/2	80,603	1/2	92,663	1/2	104,721	1/2	116,779
3/4	8,789	3/4	20,848	3/4	32,769	3/4	44,675	3/4	56,735	3/4	68,795	3/4	80,855	3/4	92,915	3/4	104,973	3/4	117,030

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 30'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 1349"

## 2 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	117,282	0	129,340	0	141,398	0	153,388	0	165,342	0		0		0		0		0	
1/4	117,533	1/4	129,591	1/4	141,647	1/4	153,638	1/4	165,590	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	117,784	1/2	129,842	1/2	141,897	1/2	153,888	1/2	165,837	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	118,035	3/4	130,093	3/4	142,147	3/4	154,138	3/4	166,085	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	118,287	1	130,344	1	142,397	1	154,388	1	166,332	1	1	1	1	1	1	1	1	1	1
1/4	118,538	1/4	130,596	1/4	142,647	1/4	154,638	1/4	166,580	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,789	1/2	130,847	1/2	142,896	1/2	154,887	1/2	166,827	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,040	3/4	131,098	3/4	143,146	3/4	155,137	3/4	167,075	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	119,291	2	131,349	2	143,396	2	155,387	2	167,322	2	2	2	2	2	2	2	2	2	2
1/4	119,543	1/4	131,600	1/4	143,646	1/4	155,637	1/4	167,549	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,794	1/2	131,852	1/2	143,896	1/2	155,887	1/2	167,776	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	120,045	3/4	132,103	3/4	144,145	3/4	156,136	3/4	168,002	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	120,296	3	132,354	3	144,395	3	156,386	3	168,229	3	3	3	3	3	3	3	3	3	3
1/4	120,547	1/4	132,605	1/4	144,645	1/4	156,636	1/4	168,413	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	120,799	1/2	132,857	1/2	144,895	1/2	156,886	1/2	168,598	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	121,050	3/4	133,108	3/4	145,145	3/4	157,136	3/4	168,783	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	121,301	4	133,359	4	145,395	4	157,385	4	168,967	4	4	4	4	4	4	4	4	4	4
1/4	121,552	1/4	133,610	1/4	145,644	1/4	157,635	1/4	169,110	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	121,803	1/2	133,861	1/2	145,894	1/2	157,885	1/2	169,253	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	122,055	3/4	134,113	3/4	146,144	3/4	158,135	3/4	169,396	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	122,306	5	134,364	5	146,394	5	158,385	5	169,539	5	5	5	5	5	5	5	5	5	5
1/4	122,557	1/4	134,615	1/4	146,644	1/4	158,634	1/4	169,640	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	122,808	1/2	134,866	1/2	146,893	1/2	158,884	1/2	169,741	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	123,059	3/4	135,117	3/4	147,143	3/4	159,134	3/4	169,842	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	123,311	6	135,369	6	147,393	6	159,384	6	169,942	6	6	6	6	6	6	6	6	6	6
1/4	123,562	1/4	135,620	1/4	147,643	1/4	159,634	1/4	170,002	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	123,813	1/2	135,871	1/2	147,893	1/2	159,884	1/2	170,061	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	124,064	3/4	136,122	3/4	148,142	3/4	160,133	3/4	170,120	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	124,315	7	136,373	7	148,392	7	160,383	7	170,179	7	7	7	7	7	7	7	7	7	7
1/4	124,567	1/4	136,625	1/4	148,642	1/4	160,633	1/4	170,196	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	124,818	1/2	136,876	1/2	148,892	1/2	160,883	1/2	170,213	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	125,069	3/4	137,127	3/4	149,142	3/4	161,133	3/4	170,230	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	125,320	8	137,378	8	149,391	8	161,382	8	170,247	8	8	8	8	8	8	8	8	8	8
1/4	125,572	1/4	137,629	1/4	149,641	1/4	161,630	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	125,823	1/2	137,881	1/2	149,891	1/2	161,877	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	126,074	3/4	138,132	3/4	150,141	3/4	162,125	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	126,325	9	138,383	9	150,391	9	162,372	9		9	9	9	9	9	9	9	9	9	9
1/4	126,576	1/4	138,634	1/4	150,641	1/4	162,620	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	126,828	1/2	138,885	1/2	150,890	1/2	162,867	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	127,079	3/4	139,137	3/4	151,140	3/4	163,115	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	127,330	10	139,388	10	151,390	10	163,362	10		10	10	10	10	10	10	10	10	10	10
1/4	127,581	1/4	139,639	1/4	151,640	1/4	163,610	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	127,832	1/2	139,890	1/2	151,890	1/2	163,857	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	128,084	3/4	140,142	3/4	152,139	3/4	164,105	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	128,335	11	140,393	11	152,389	11	164,352	11		11	11	11	11	11	11	11	11	11	11
1/4	128,586	1/4	140,644	1/4	152,639	1/4	164,600	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	128,837	1/2	140,895	1/2	152,889	1/2	164,847	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	129,088	3/4	141,146	3/4	153,139	3/4	165,095	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: 07/06/2012 CL - SW  
CALCULATED: 07/06/2012 CL  
PRINTED: 07/06/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2012

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



# BARGE "CBC 1349"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	8,049	0	18,781	0	29,499	0	40,220	0	50,952	0	61,684	0	72,417	0	83,149	0	93,880
1/4	58	1/4	8,273	1/4	19,005	1/4	29,722	1/4	40,443	1/4	51,176	1/4	61,908	1/4	72,640	1/4	83,373	1/4	94,103
1/2	77	1/2	8,496	1/2	19,228	1/2	29,945	1/2	40,667	1/2	51,399	1/2	62,132	1/2	72,864	1/2	83,596	1/2	94,327
3/4	95	3/4	8,720	3/4	19,452	3/4	30,167	3/4	40,890	3/4	51,623	3/4	62,355	3/4	73,087	3/4	83,820	3/4	94,550
1	114	1	8,943	1	19,675	1	30,390	1	41,114	1	51,846	1	62,579	1	73,311	1	84,043	1	94,774
1/4	170	1/4	9,167	1/4	19,899	1/4	30,613	1/4	41,338	1/4	52,070	1/4	62,802	1/4	73,535	1/4	84,267	1/4	94,997
1/2	226	1/2	9,391	1/2	20,123	1/2	30,836	1/2	41,561	1/2	52,294	1/2	63,026	1/2	73,758	1/2	84,490	1/2	95,221
3/4	282	3/4	9,614	3/4	20,346	3/4	31,059	3/4	41,785	3/4	52,517	3/4	63,249	3/4	73,982	3/4	84,714	3/4	95,444
2	337	2	9,838	2	20,570	2	31,282	2	42,008	2	52,741	2	63,473	2	74,205	2	84,937	2	95,668
1/4	431	1/4	10,061	1/4	20,793	1/4	31,505	1/4	42,232	1/4	52,964	1/4	63,697	1/4	74,429	1/4	85,161	1/4	95,892
1/2	524	1/2	10,285	1/2	21,017	1/2	31,728	1/2	42,456	1/2	53,188	1/2	63,920	1/2	74,653	1/2	85,385	1/2	96,115
3/4	617	3/4	10,509	3/4	21,240	3/4	31,950	3/4	42,679	3/4	53,411	3/4	64,144	3/4	74,876	3/4	85,608	3/4	96,339
3	710	3	10,732	3	21,464	3	32,173	3	42,903	3	53,635	3	64,367	3	75,100	3	85,832	3	96,562
1/4	840	1/4	10,956	1/4	21,688	1/4	32,396	1/4	43,126	1/4	53,859	1/4	64,591	1/4	75,323	1/4	86,055	1/4	96,786
1/2	971	1/2	11,179	1/2	21,911	1/2	32,619	1/2	43,350	1/2	54,082	1/2	64,815	1/2	75,547	1/2	86,279	1/2	97,009
3/4	1,101	3/4	11,403	3/4	22,135	3/4	32,842	3/4	43,574	3/4	54,306	3/4	65,038	3/4	75,771	3/4	86,502	3/4	97,233
4	1,232	4	11,626	4	22,358	4	33,065	4	43,797	4	54,529	4	65,262	4	75,994	4	86,726	4	97,456
1/4	1,399	1/4	11,850	1/4	22,582	1/4	33,288	1/4	44,021	1/4	54,753	1/4	65,485	1/4	76,218	1/4	86,949	1/4	97,680
1/2	1,567	1/2	12,074	1/2	22,806	1/2	33,512	1/2	44,244	1/2	54,977	1/2	65,709	1/2	76,441	1/2	87,173	1/2	97,904
3/4	1,735	3/4	12,297	3/4	23,029	3/4	33,736	3/4	44,468	3/4	55,200	3/4	65,933	3/4	76,665	3/4	87,397	3/4	98,127
5	1,902	5	12,521	5	23,253	5	33,959	5	44,691	5	55,424	5	66,156	5	76,889	5	87,620	5	98,351
1/4	2,107	1/4	12,744	1/4	23,476	1/4	34,183	1/4	44,915	1/4	55,647	1/4	66,380	1/4	77,112	1/4	87,844	1/4	98,574
1/2	2,311	1/2	12,968	1/2	23,700	1/2	34,406	1/2	45,139	1/2	55,871	1/2	66,603	1/2	77,336	1/2	88,067	1/2	98,798
3/4	2,516	3/4	13,192	3/4	23,923	3/4	34,630	3/4	45,362	3/4	56,095	3/4	66,827	3/4	77,559	3/4	88,291	3/4	99,021
6	2,720	6	13,415	6	24,147	6	34,853	6	45,586	6	56,318	6	67,051	6	77,783	6	88,514	6	99,245
1/4	2,939	1/4	13,639	1/4	24,370	1/4	35,077	1/4	45,809	1/4	56,542	1/4	67,274	1/4	78,006	1/4	88,738	1/4	99,468
1/2	3,158	1/2	13,862	1/2	24,593	1/2	35,301	1/2	46,033	1/2	56,765	1/2	67,498	1/2	78,230	1/2	88,961	1/2	99,692
3/4	3,377	3/4	14,086	3/4	24,817	3/4	35,524	3/4	46,257	3/4	56,989	3/4	67,721	3/4	78,454	3/4	89,185	3/4	99,915
7	3,596	7	14,309	7	25,040	7	35,748	7	46,480	7	57,213	7	67,945	7	78,677	7	89,409	7	100,139
1/4	3,817	1/4	14,533	1/4	25,263	1/4	35,971	1/4	46,704	1/4	57,436	1/4	68,168	1/4	78,901	1/4	89,632	1/4	100,363
1/2	4,039	1/2	14,757	1/2	25,486	1/2	36,195	1/2	46,927	1/2	57,660	1/2	68,392	1/2	79,124	1/2	89,856	1/2	100,586
3/4	4,260	3/4	14,980	3/4	25,710	3/4	36,419	3/4	47,151	3/4	57,883	3/4	68,616	3/4	79,348	3/4	90,079	3/4	100,810
8	4,481	8	15,204	8	25,933	8	36,642	8	47,375	8	58,107	8	68,839	8	79,572	8	90,303	8	101,033
1/4	4,703	1/4	15,427	1/4	26,156	1/4	36,866	1/4	47,598	1/4	58,330	1/4	69,063	1/4	79,795	1/4	90,526	1/4	101,257
1/2	4,925	1/2	15,651	1/2	26,379	1/2	37,089	1/2	47,822	1/2	58,554	1/2	69,286	1/2	80,019	1/2	90,750	1/2	101,480
3/4	5,147	3/4	15,875	3/4	26,601	3/4	37,313	3/4	48,045	3/4	58,778	3/4	69,510	3/4	80,242	3/4	90,973	3/4	101,704
9	5,370	9	16,098	9	26,824	9	37,537	9	48,269	9	59,001	9	69,734	9	80,466	9	91,197	9	101,927
1/4	5,593	1/4	16,322	1/4	27,047	1/4	37,760	1/4	48,493	1/4	59,225	1/4	69,957	1/4	80,690	1/4	91,420	1/4	102,151
1/2	5,815	1/2	16,545	1/2	27,270	1/2	37,984	1/2	48,716	1/2	59,448	1/2	70,181	1/2	80,913	1/2	91,644	1/2	102,375
3/4	6,038	3/4	16,769	3/4	27,493	3/4	38,207	3/4	48,940	3/4	59,672	3/4	70,404	3/4	81,137	3/4	91,868	3/4	102,598
10	6,261	10	16,992	10	27,716	10	38,431	10	49,163	10	59,896	10	70,628	10	81,360	10	92,091	10	102,822
1/4	6,485	1/4	17,216	1/4	27,939	1/4	38,655	1/4	49,387	1/4	60,119	1/4	70,852	1/4	81,584	1/4	92,315	1/4	103,045
1/2	6,708	1/2	17,440	1/2	28,162	1/2	38,878	1/2	49,610	1/2	60,343	1/2	71,075	1/2	81,808	1/2	92,538	1/2	103,269
3/4	6,932	3/4	17,663	3/4	28,384	3/4	39,102	3/4	49,834	3/4	60,566	3/4	71,299	3/4	82,031	3/4	92,762	3/4	103,492
11	7,155	11	17,887	11	28,607	11	39,325	11	50,058	11	60,790	11	71,522	11	82,255	11	92,985	11	103,716
1/4	7,378	1/4	18,110	1/4	28,830	1/4	39,549	1/4	50,281	1/4	61,014	1/4	71,746	1/4	82,478	1/4	93,209	1/4	103,939
1/2	7,602	1/2	18,334	1/2	29,053	1/2	39,772	1/2	50,505	1/2	61,237	1/2	71,970	1/2	82,702	1/2	93,432	1/2	104,163
3/4	7,826	3/4	18,557	3/4	29,276	3/4	39,996	3/4	50,728	3/4	61,461	3/4	72,193	3/4	82,925	3/4	93,656	3/4	104,387

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "CBC 1349"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	104,610	0	115,341	0	126,071	0	136,743	0	147,382	0		0		0		0		0	
1/4	104,834	1/4	115,564	1/4	126,293	1/4	136,965	1/4	147,602	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,057	1/2	115,788	1/2	126,516	1/2	137,188	1/2	147,822	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,281	3/4	116,011	3/4	126,738	3/4	137,410	3/4	148,043	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	105,504	1	116,235	1	126,960	1	137,632	1	148,263	1	1	1	1	1	1	1	1	1	1
1/4	105,728	1/4	116,458	1/4	127,183	1/4	137,854	1/4	148,483	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,951	1/2	116,682	1/2	127,405	1/2	138,077	1/2	148,703	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,175	3/4	116,906	3/4	127,627	3/4	138,299	3/4	148,924	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	106,399	2	117,129	2	127,850	2	138,521	2	149,144	2	2	2	2	2	2	2	2	2	2
1/4	106,622	1/4	117,353	1/4	128,072	1/4	138,744	1/4	149,366	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,846	1/2	117,576	1/2	128,294	1/2	138,966	1/2	149,547	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,069	3/4	117,800	3/4	128,517	3/4	139,188	3/4	149,749	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	107,293	3	118,023	3	128,739	3	139,411	3	149,950	3	3	3	3	3	3	3	3	3	3
1/4	107,516	1/4	118,247	1/4	128,961	1/4	139,633	1/4	150,115	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	107,740	1/2	118,470	1/2	129,184	1/2	139,855	1/2	150,279	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,963	3/4	118,694	3/4	129,406	3/4	140,078	3/4	150,444	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	108,187	4	118,917	4	129,628	4	140,300	4	150,608	4	4	4	4	4	4	4	4	4	4
1/4	108,410	1/4	119,141	1/4	129,851	1/4	140,522	1/4	150,735	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	108,634	1/2	119,365	1/2	130,073	1/2	140,745	1/2	150,862	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,858	3/4	119,588	3/4	130,295	3/4	140,967	3/4	150,989	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	109,081	5	119,812	5	130,518	5	141,189	5	151,116	5	5	5	5	5	5	5	5	5	5
1/4	109,305	1/4	120,035	1/4	130,740	1/4	141,412	1/4	151,206	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,528	1/2	120,259	1/2	130,962	1/2	141,634	1/2	151,296	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,752	3/4	120,482	3/4	131,185	3/4	141,856	3/4	151,386	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	109,975	6	120,706	6	131,407	6	142,079	6	151,476	6	6	6	6	6	6	6	6	6	6
1/4	110,199	1/4	120,929	1/4	131,629	1/4	142,301	1/4	151,528	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,422	1/2	121,153	1/2	131,852	1/2	142,523	1/2	151,581	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,646	3/4	121,377	3/4	132,074	3/4	142,746	3/4	151,633	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	110,870	7	121,600	7	132,296	7	142,968	7	151,686	7	7	7	7	7	7	7	7	7	7
1/4	111,093	1/4	121,824	1/4	132,519	1/4	143,190	1/4	151,701	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,317	1/2	122,047	1/2	132,741	1/2	143,413	1/2	151,717	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,540	3/4	122,271	3/4	132,963	3/4	143,635	3/4	151,732	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	111,764	8	122,494	8	133,186	8	143,857	8	151,747	8	8	8	8	8	8	8	8	8	8
1/4	111,987	1/4	122,718	1/4	133,408	1/4	144,078	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,211	1/2	122,941	1/2	133,630	1/2	144,298	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,434	3/4	123,165	3/4	133,853	3/4	144,518	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	112,658	9	123,389	9	134,075	9	144,738	9		9	9	9	9	9	9	9	9	9	9
1/4	112,882	1/4	123,612	1/4	134,297	1/4	144,959	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,105	1/2	123,836	1/2	134,520	1/2	145,179	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,329	3/4	124,059	3/4	134,742	3/4	145,399	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	113,552	10	124,283	10	134,964	10	145,620	10		10	10	10	10	10	10	10	10	10	10
1/4	113,776	1/4	124,506	1/4	135,187	1/4	145,840	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,999	1/2	124,730	1/2	135,409	1/2	146,060	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,223	3/4	124,953	3/4	135,631	3/4	146,280	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	114,446	11	125,177	11	135,854	11	146,501	11		11	11	11	11	11	11	11	11	11	11
1/4	114,670	1/4	125,401	1/4	136,076	1/4	146,721	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,894	1/2	125,624	1/2	136,298	1/2	146,941	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	115,117	3/4	125,848	3/4	136,521	3/4	147,161	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: 07/06/2012 CL - SW  
CALCULATED: 07/06/2012 CL  
PRINTED: 07/06/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2012

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "CBC 1349"

## ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 161'-09"

July 6, 2012

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
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 Pearland, Texas 77588

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# BARGE "CBC 1349"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	147,133	0	139,477	0	130,062	0	120,630	0	111,182	0	100,596	0	89,841	0	79,085		
1/4	1/4	1/4	147,117	1/4	139,280	1/4	129,867	1/4	120,433	1/4	110,985	1/4	100,372	1/4	89,617	1/4	78,861		
1/2	1/2	1/2	147,100	1/2	139,084	1/2	129,671	1/2	120,236	1/2	110,788	1/2	100,148	1/2	89,393	1/2	78,637		
3/4	3/4	3/4	147,047	3/4	138,888	3/4	129,475	3/4	120,039	3/4	110,592	3/4	99,924	3/4	89,169	3/4	78,412		
1	1	1	146,994	1	138,691	1	129,280	1	119,842	1	110,395	1	99,700	1	88,945	1	78,188		
1/4	1/4	1/4	146,940	1/4	138,495	1/4	129,084	1/4	119,646	1/4	110,198	1/4	99,476	1/4	88,721	1/4	77,964		
1/2	1/2	1/2	146,887	1/2	138,298	1/2	128,888	1/2	119,449	1/2	110,002	1/2	99,252	1/2	88,496	1/2	77,740		
3/4	3/4	3/4	146,796	3/4	138,102	3/4	128,692	3/4	119,252	3/4	109,778	3/4	99,028	3/4	88,272	3/4	77,516		
2	2	2	146,705	2	137,906	2	128,495	2	119,055	2	109,554	2	98,804	2	88,048	2	77,292		
1/4	1/4	1/4	146,614	1/4	137,709	1/4	128,299	1/4	118,858	1/4	109,330	1/4	98,580	1/4	87,824	1/4	77,068		
1/2	1/2	1/2	146,523	1/2	137,513	1/2	128,103	1/2	118,661	1/2	109,106	1/2	98,356	1/2	87,600	1/2	76,844		
3/4	3/4	3/4	146,394	3/4	137,316	3/4	127,906	3/4	118,464	3/4	108,883	3/4	98,132	3/4	87,376	3/4	76,620		
3	3	3	146,266	3	137,120	3	127,710	3	118,267	3	108,659	3	97,908	3	87,152	3	76,397		
1/4	1/4	1/4	146,138	1/4	136,924	1/4	127,513	1/4	118,070	1/4	108,435	1/4	97,684	1/4	86,928	1/4	76,174		
1/2	1/2	1/2	146,009	1/2	136,727	1/2	127,317	1/2	117,873	1/2	108,211	1/2	97,459	1/2	86,704	1/2	75,950		
3/4	3/4	3/4	145,844	3/4	136,531	3/4	127,121	3/4	117,676	3/4	107,987	3/4	97,235	3/4	86,480	3/4	75,728		
4	4	4	145,678	4	136,334	4	126,924	4	117,479	4	107,763	4	97,011	4	86,256	4	75,505		
1/4	1/4	1/4	145,512	1/4	136,138	1/4	126,728	1/4	117,283	1/4	107,540	1/4	96,787	1/4	86,032	1/4	75,282		
1/2	1/2	1/2	145,346	1/2	135,942	1/2	126,531	1/2	117,086	1/2	107,316	1/2	96,563	1/2	85,808	1/2	75,060		
3/4	3/4	3/4	145,143	3/4	135,745	3/4	126,335	3/4	116,889	3/4	107,092	3/4	96,339	3/4	85,583	3/4	74,837		
5	5	5	144,940	5	135,549	5	126,139	5	116,692	5	106,868	5	96,115	5	85,359	5	74,614		
1/4	1/4	1/4	144,737	1/4	135,352	1/4	125,942	1/4	116,495	1/4	106,644	1/4	95,891	1/4	85,135	1/4	74,392		
1/2	1/2	1/2	144,533	1/2	135,156	1/2	125,746	1/2	116,298	1/2	106,420	1/2	95,667	1/2	84,911	1/2	74,169		
3/4	3/4	3/4	144,339	3/4	134,960	3/4	125,549	3/4	116,101	3/4	106,197	3/4	95,443	3/4	84,687	3/4	73,946		
6	6	6	144,145	6	134,763	6	125,353	6	115,904	6	105,973	6	95,219	6	84,463	6	73,724		
1/4	1/4	1/4	143,950	1/4	134,567	1/4	125,157	1/4	115,707	1/4	105,749	1/4	94,995	1/4	84,239	1/4	73,501		
1/2	1/2	1/2	143,756	1/2	134,370	1/2	124,960	1/2	115,510	1/2	105,525	1/2	94,771	1/2	84,015	1/2	73,278		
3/4	3/4	3/4	143,562	3/4	134,174	3/4	124,764	3/4	115,313	3/4	105,301	3/4	94,546	3/4	83,791	3/4	73,056		
7	7	7	143,367	7	133,978	7	124,567	7	115,116	7	105,077	7	94,322	7	83,567	7	72,833		
1/4	1/4	1/4	143,173	1/4	133,781	1/4	124,371	1/4	114,919	1/4	104,854	1/4	94,098	1/4	83,343	1/4	72,610		
1/2	1/2	1/2	142,979	1/2	133,585	1/2	124,175	1/2	114,723	1/2	104,630	1/2	93,874	1/2	83,119	1/2	72,388		
3/4	3/4	3/4	142,784	3/4	133,389	3/4	123,978	3/4	114,526	3/4	104,406	3/4	93,650	3/4	82,895	3/4	72,165		
8	8	8	142,590	8	133,194	8	123,781	8	114,329	8	104,182	8	93,426	8	82,670	8	71,942		
1/4	1/4	1/4	142,396	1/4	132,998	1/4	123,584	1/4	114,132	1/4	103,958	1/4	93,202	1/4	82,446	1/4	71,720		
1/2	1/2	1/2	142,201	1/2	132,802	1/2	123,387	1/2	113,936	1/2	103,734	1/2	92,978	1/2	82,222	1/2	71,497		
3/4	3/4	3/4	142,007	3/4	132,606	3/4	123,190	3/4	113,739	3/4	103,509	3/4	92,754	3/4	81,998	3/4	71,274		
9	9	9	141,813	9	132,411	9	122,993	9	113,542	9	103,285	9	92,530	9	81,774	9	71,052		
1/4	1/4	1/4	141,618	1/4	132,215	1/4	122,796	1/4	113,346	1/4	103,061	1/4	92,306	1/4	81,550	1/4	70,829		
1/2	1/2	1/2	141,424	1/2	132,019	1/2	122,599	1/2	113,149	1/2	102,837	1/2	92,082	1/2	81,326	1/2	70,606		
3/4	3/4	3/4	141,230	3/4	131,824	3/4	122,402	3/4	112,952	3/4	102,613	3/4	91,858	3/4	81,102	3/4	70,384		
10	10	10	141,036	10	131,628	10	122,206	10	112,756	10	102,389	10	91,633	10	80,878	10	70,161		
1/4	1/4	1/4	140,841	1/4	131,432	1/4	122,009	1/4	112,559	1/4	102,165	1/4	91,409	1/4	80,653	1/4	69,938		
1/2	1/2	1/2	140,647	1/2	131,237	1/2	121,812	1/2	112,362	1/2	101,941	1/2	91,185	1/2	80,429	1/2	69,716		
3/4	3/4	3/4	140,453	3/4	131,041	3/4	121,615	3/4	112,165	3/4	101,717	3/4	90,961	3/4	80,205	3/4	69,492		
11	11	11	140,258	11	130,845	11	121,418	11	111,969	11	101,493	11	90,737	11	79,981	11	69,269		
1/4	1/4	1/4	140,064	1/4	130,649	1/4	121,221	1/4	111,772	1/4	101,269	1/4	90,513	1/4	79,757	1/4	69,046		
1/2	1/2	1/2	147,165	1/2	139,870	1/2	130,454	1/2	121,024	1/2	111,575	1/2	90,289	1/2	79,533	1/2	68,822		
3/4	3/4	3/4	147,149	3/4	139,673	3/4	130,258	3/4	120,827	3/4	111,379	3/4	90,065	3/4	79,309	3/4	68,599		

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 26'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 1349"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	68,375	0	57,627	0	46,874	0	36,122	0	25,566	0	14,822	0	4,056	0		0		0	
1/4	68,152	1/4	57,403	1/4	46,650	1/4	35,898	1/4	25,348	1/4	14,598	1/4	3,834	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,928	1/2	57,179	1/2	46,426	1/2	35,674	1/2	25,129	1/2	14,373	1/2	3,612	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,705	3/4	56,955	3/4	46,202	3/4	35,450	3/4	24,911	3/4	14,149	3/4	3,392	3/4	3/4	3/4	3/4	3/4	3/4
1	67,482	1	56,731	1	45,978	1	35,226	1	24,692	1	13,924	1	3,172	1	1	1	1	1	1
1/4	67,258	1/4	56,507	1/4	45,754	1/4	35,002	1/4	24,474	1/4	13,699	1/4	2,952	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,035	1/2	56,283	1/2	45,530	1/2	34,778	1/2	24,255	1/2	13,475	1/2	2,732	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,811	3/4	56,059	3/4	45,306	3/4	34,554	3/4	24,030	3/4	13,250	3/4	2,526	3/4	3/4	3/4	3/4	3/4	3/4
2	66,587	2	55,835	2	45,082	2	34,330	2	23,806	2	13,026	2	2,321	2	2	2	2	2	2
1/4	66,363	1/4	55,611	1/4	44,858	1/4	34,106	1/4	23,581	1/4	12,801	1/4	2,116	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,139	1/2	55,387	1/2	44,634	1/2	33,882	1/2	23,357	1/2	12,576	1/2	1,911	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,915	3/4	55,163	3/4	44,410	3/4	33,658	3/4	23,132	3/4	12,352	3/4	1,742	3/4	3/4	3/4	3/4	3/4	3/4
3	65,691	3	54,939	3	44,186	3	33,434	3	22,907	3	12,127	3	1,574	3	3	3	3	3	3
1/4	65,467	1/4	54,715	1/4	43,962	1/4	33,210	1/4	22,683	1/4	11,903	1/4	1,405	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,243	1/2	54,491	1/2	43,738	1/2	32,986	1/2	22,458	1/2	11,678	1/2	1,237	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,019	3/4	54,266	3/4	43,514	3/4	32,768	3/4	22,234	3/4	11,454	3/4	1,106	3/4	3/4	3/4	3/4	3/4	3/4
4	64,795	4	54,042	4	43,290	4	32,550	4	22,009	4	11,229	4	975	4	4	4	4	4	4
1/4	64,571	1/4	53,818	1/4	43,066	1/4	32,331	1/4	21,785	1/4	11,004	1/4	844	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,347	1/2	53,594	1/2	42,842	1/2	32,113	1/2	21,560	1/2	10,780	1/2	713	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,123	3/4	53,370	3/4	42,618	3/4	31,895	3/4	21,335	3/4	10,555	3/4	619	3/4	3/4	3/4	3/4	3/4	3/4
5	63,899	5	53,146	5	42,394	5	31,677	5	21,111	5	10,331	5	526	5	5	5	5	5	5
1/4	63,675	1/4	52,922	1/4	42,170	1/4	31,459	1/4	20,886	1/4	10,106	1/4	432	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,451	1/2	52,698	1/2	41,946	1/2	31,240	1/2	20,662	1/2	9,881	1/2	339	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,227	3/4	52,474	3/4	41,722	3/4	31,022	3/4	20,437	3/4	9,657	3/4	283	3/4	3/4	3/4	3/4	3/4	3/4
6	63,003	6	52,250	6	41,498	6	30,804	6	20,212	6	9,432	6	226	6	6	6	6	6	6
1/4	62,779	1/4	52,026	1/4	41,274	1/4	30,586	1/4	19,988	1/4	9,208	1/4	170	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,555	1/2	51,802	1/2	41,050	1/2	30,368	1/2	19,763	1/2	8,983	1/2	114	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,331	3/4	51,578	3/4	40,826	3/4	30,149	3/4	19,539	3/4	8,759	3/4	95	3/4	3/4	3/4	3/4	3/4	3/4
7	62,107	7	51,354	7	40,602	7	29,931	7	19,314	7	8,534	7	77	7	7	7	7	7	7
1/4	61,883	1/4	51,130	1/4	40,378	1/4	29,713	1/4	19,090	1/4	8,309	1/4	58	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,659	1/2	50,906	1/2	40,154	1/2	29,495	1/2	18,865	1/2	8,085	1/2	39	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,435	3/4	50,682	3/4	39,930	3/4	29,277	3/4	18,640	3/4	7,860	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	61,211	8	50,458	8	39,706	8	29,058	8	18,416	8	7,636	8		8	8	8	8	8	8
1/4	60,987	1/4	50,234	1/4	39,482	1/4	28,840	1/4	18,191	1/4	7,411	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,763	1/2	50,010	1/2	39,258	1/2	28,622	1/2	17,967	1/2	7,186	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,539	3/4	49,786	3/4	39,034	3/4	28,404	3/4	17,742	3/4	6,962	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	60,315	9	49,562	9	38,810	9	28,186	9	17,517	9	6,738	9		9	9	9	9	9	9
1/4	60,091	1/4	49,338	1/4	38,586	1/4	27,967	1/4	17,293	1/4	6,513	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,867	1/2	49,114	1/2	38,362	1/2	27,749	1/2	17,068	1/2	6,289	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,643	3/4	48,890	3/4	38,138	3/4	27,531	3/4	16,844	3/4	6,065	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	59,419	10	48,666	10	37,914	10	27,313	10	16,619	10	5,841	10		10	10	10	10	10	10
1/4	59,195	1/4	48,442	1/4	37,690	1/4	27,095	1/4	16,394	1/4	5,617	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,971	1/2	48,218	1/2	37,466	1/2	26,876	1/2	16,170	1/2	5,393	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,747	3/4	47,994	3/4	37,242	3/4	26,658	3/4	15,945	3/4	5,170	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	58,523	11	47,770	11	37,018	11	26,440	11	15,721	11	4,947	11		11	11	11	11	11	11
1/4	58,299	1/4	47,546	1/4	36,794	1/4	26,222	1/4	15,496	1/4	4,724	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,075	1/2	47,322	1/2	36,570	1/2	26,004	1/2	15,272	1/2	4,500	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,851	3/4	47,098	3/4	36,346	3/4	25,785	3/4	15,047	3/4	4,278	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/06/2012 CL - SW  
CALCULATED: 07/06/2012 CL  
PRINTED: 07/06/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2012

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



# BARGE "CBC 1349"

## 2 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	0	170,230	0	161,133	0	149,142	0	137,127	0	125,069	0	113,011	0	100,953	0	88,895	
1/4	1/4	1/4	1/4	170,213	1/4	160,883	1/4	148,892	1/4	136,876	1/4	124,818	1/4	112,760	1/4	100,702	1/4	88,643	
1/2	1/2	1/2	1/2	170,196	1/2	160,633	1/2	148,642	1/2	136,625	1/2	124,567	1/2	112,509	1/2	100,451	1/2	88,392	
3/4	3/4	3/4	3/4	170,179	3/4	160,383	3/4	148,392	3/4	136,373	3/4	124,315	3/4	112,258	3/4	100,200	3/4	88,141	
1	1	1	1	170,120	1	160,133	1	148,142	1	136,122	1	124,064	1	112,006	1	99,948	1	87,890	
1/4	1/4	1/4	1/4	170,061	1/4	159,884	1/4	147,893	1/4	135,871	1/4	123,813	1/4	111,755	1/4	99,697	1/4	87,638	
1/2	1/2	1/2	1/2	170,002	1/2	159,634	1/2	147,643	1/2	135,620	1/2	123,562	1/2	111,504	1/2	99,446	1/2	87,387	
3/4	3/4	3/4	3/4	169,942	3/4	159,384	3/4	147,393	3/4	135,369	3/4	123,311	3/4	111,253	3/4	99,195	3/4	87,136	
2	2	2	2	169,842	2	159,134	2	147,143	2	135,117	2	123,059	2	111,002	2	98,944	2	86,885	
1/4	1/4	1/4	1/4	169,741	1/4	158,884	1/4	146,893	1/4	134,866	1/4	122,808	1/4	110,750	1/4	98,692	1/4	86,633	
1/2	1/2	1/2	1/2	169,640	1/2	158,634	1/2	146,644	1/2	134,615	1/2	122,557	1/2	110,499	1/2	98,441	1/2	86,382	
3/4	3/4	3/4	3/4	169,539	3/4	158,385	3/4	146,394	3/4	134,364	3/4	122,306	3/4	110,248	3/4	98,190	3/4	86,131	
3	3	3	3	169,396	3	158,135	3	146,144	3	134,113	3	122,055	3	109,997	3	97,939	3	85,880	
1/4	1/4	1/4	1/4	169,253	1/4	157,885	1/4	145,894	1/4	133,861	1/4	121,803	1/4	109,745	1/4	97,688	1/4	85,628	
1/2	1/2	1/2	1/2	169,110	1/2	157,635	1/2	145,644	1/2	133,610	1/2	121,552	1/2	109,494	1/2	97,436	1/2	85,377	
3/4	3/4	3/4	3/4	168,967	3/4	157,385	3/4	145,395	3/4	133,359	3/4	121,301	3/4	109,243	3/4	97,185	3/4	85,126	
4	4	4	4	168,783	4	157,136	4	145,145	4	133,108	4	121,050	4	108,992	4	96,934	4	84,875	
1/4	1/4	1/4	1/4	168,598	1/4	156,886	1/4	144,895	1/4	132,857	1/4	120,799	1/4	108,741	1/4	96,683	1/4	84,623	
1/2	1/2	1/2	1/2	168,413	1/2	156,636	1/2	144,645	1/2	132,605	1/2	120,547	1/2	108,489	1/2	96,432	1/2	84,372	
3/4	3/4	3/4	3/4	168,229	3/4	156,386	3/4	144,395	3/4	132,354	3/4	120,296	3/4	108,238	3/4	96,180	3/4	84,121	
5	5	5	5	168,002	5	156,136	5	144,145	5	132,103	5	120,045	5	107,987	5	95,929	5	83,870	
1/4	1/4	1/4	1/4	167,776	1/4	155,887	1/4	143,896	1/4	131,852	1/4	119,794	1/4	107,736	1/4	95,678	1/4	83,618	
1/2	1/2	1/2	1/2	167,549	1/2	155,637	1/2	143,646	1/2	131,600	1/2	119,543	1/2	107,485	1/2	95,427	1/2	83,367	
3/4	3/4	3/4	3/4	167,322	3/4	155,387	3/4	143,396	3/4	131,349	3/4	119,291	3/4	107,233	3/4	95,176	3/4	83,116	
6	6	6	6	167,075	6	155,137	6	143,146	6	131,098	6	119,040	6	106,982	6	94,924	6	82,865	
1/4	1/4	1/4	1/4	166,827	1/4	154,887	1/4	142,896	1/4	130,847	1/4	118,789	1/4	106,731	1/4	94,673	1/4	82,613	
1/2	1/2	1/2	1/2	166,580	1/2	154,638	1/2	142,647	1/2	130,596	1/2	118,538	1/2	106,480	1/2	94,422	1/2	82,362	
3/4	3/4	3/4	3/4	166,332	3/4	154,388	3/4	142,397	3/4	130,344	3/4	118,287	3/4	106,229	3/4	94,171	3/4	82,111	
7	7	7	7	166,085	7	154,138	7	142,147	7	130,093	7	118,035	7	105,977	7	93,919	7	81,860	
1/4	1/4	1/4	1/4	165,837	1/4	153,888	1/4	141,897	1/4	129,842	1/4	117,784	1/4	105,726	1/4	93,668	1/4	81,608	
1/2	1/2	1/2	1/2	165,590	1/2	153,638	1/2	141,647	1/2	129,591	1/2	117,533	1/2	105,475	1/2	93,417	1/2	81,357	
3/4	3/4	3/4	3/4	165,342	3/4	153,388	3/4	141,398	3/4	129,340	3/4	117,282	3/4	105,224	3/4	93,166	3/4	81,106	
8	8	8	8	165,095	8	153,139	8	141,146	8	129,088	8	117,030	8	104,973	8	92,915	8	80,855	
1/4	1/4	1/4	1/4	164,847	1/4	152,889	1/4	140,895	1/4	128,837	1/4	116,779	1/4	104,721	1/4	92,663	1/4	80,603	
1/2	1/2	1/2	1/2	164,600	1/2	152,639	1/2	140,644	1/2	128,586	1/2	116,528	1/2	104,470	1/2	92,412	1/2	80,352	
3/4	3/4	3/4	3/4	164,352	3/4	152,389	3/4	140,393	3/4	128,335	3/4	116,277	3/4	104,219	3/4	92,161	3/4	80,101	
9	9	9	9	164,105	9	152,139	9	140,142	9	128,084	9	116,026	9	103,968	9	91,910	9	79,850	
1/4	1/4	1/4	1/4	163,857	1/4	151,890	1/4	139,890	1/4	127,832	1/4	115,774	1/4	103,717	1/4	91,658	1/4	79,598	
1/2	1/2	1/2	1/2	163,610	1/2	151,640	1/2	139,639	1/2	127,581	1/2	115,523	1/2	103,465	1/2	91,407	1/2	79,347	
3/4	3/4	3/4	3/4	163,362	3/4	151,390	3/4	139,388	3/4	127,330	3/4	115,272	3/4	103,214	3/4	91,156	3/4	79,096	
10	10	10	10	163,115	10	151,140	10	139,137	10	127,079	10	115,021	10	102,963	10	90,905	10	78,845	
1/4	1/4	1/4	1/4	162,867	1/4	150,890	1/4	138,885	1/4	126,828	1/4	114,770	1/4	102,712	1/4	90,653	1/4	78,593	
1/2	1/2	1/2	1/2	162,620	1/2	150,641	1/2	138,634	1/2	126,576	1/2	114,518	1/2	102,461	1/2	90,402	1/2	78,342	
3/4	3/4	3/4	3/4	162,372	3/4	150,391	3/4	138,383	3/4	126,325	3/4	114,267	3/4	102,209	3/4	90,151	3/4	78,091	
11	11	11	11	162,125	11	150,141	11	138,132	11	126,074	11	114,016	11	101,958	11	89,900	11	77,840	
1/4	1/4	1/4	1/4	161,877	1/4	149,891	1/4	137,881	1/4	125,823	1/4	113,765	1/4	101,707	1/4	89,648	1/4	77,588	
1/2	1/2	1/2	1/2	161,630	1/2	149,641	1/2	137,629	1/2	125,572	1/2	113,514	1/2	101,456	1/2	89,397	1/2	77,337	
3/4	3/4	3/4	3/4	170,247	3/4	161,382	3/4	149,391	3/4	137,378	3/4	125,320	3/4	113,262	3/4	89,146	3/4	77,086	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 30'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 1349"

## 2 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	76,835	0	64,775	0	52,715	0	40,655	0	28,867	0	16,828	0	4,782	0		0		0	
1/4	76,583	1/4	64,523	1/4	52,463	1/4	40,403	1/4	28,623	1/4	16,577	1/4	4,533	1/4	1/4		1/4		1/4
1/2	76,332	1/2	64,272	1/2	52,212	1/2	40,152	1/2	28,378	1/2	16,326	1/2	4,285	1/2	1/2		1/2		1/2
3/4	76,081	3/4	64,021	3/4	51,961	3/4	39,901	3/4	28,134	3/4	16,075	3/4	4,036	3/4	3/4		3/4		3/4
1	75,830	1	63,770	1	51,710	1	39,650	1	27,883	1	15,823	1	3,790	1	1		1		1
1/4	75,578	1/4	63,518	1/4	51,458	1/4	39,398	1/4	27,632	1/4	15,572	1/4	3,544	1/4	1/4		1/4		1/4
1/2	75,327	1/2	63,267	1/2	51,207	1/2	39,147	1/2	27,381	1/2	15,321	1/2	3,298	1/2	1/2		1/2		1/2
3/4	75,076	3/4	63,016	3/4	50,956	3/4	38,896	3/4	27,129	3/4	15,070	3/4	3,051	3/4	3/4		3/4		3/4
2	74,825	2	62,765	2	50,705	2	38,645	2	26,878	2	14,819	2	2,822	2	2		2		2
1/4	74,573	1/4	62,513	1/4	50,453	1/4	38,393	1/4	26,627	1/4	14,567	1/4	2,592	1/4	1/4		1/4		1/4
1/2	74,322	1/2	62,262	1/2	50,202	1/2	38,142	1/2	26,376	1/2	14,316	1/2	2,362	1/2	1/2		1/2		1/2
3/4	74,071	3/4	62,011	3/4	49,951	3/4	37,891	3/4	26,124	3/4	14,065	3/4	2,133	3/4	3/4		3/4		3/4
3	73,820	3	61,760	3	49,700	3	37,647	3	25,873	3	13,814	3	1,944	3	3		3		3
1/4	73,568	1/4	61,508	1/4	49,448	1/4	37,402	1/4	25,622	1/4	13,562	1/4	1,756	1/4	1/4		1/4		1/4
1/2	73,317	1/2	61,257	1/2	49,197	1/2	37,158	1/2	25,371	1/2	13,311	1/2	1,568	1/2	1/2		1/2		1/2
3/4	73,066	3/4	61,006	3/4	48,946	3/4	36,914	3/4	25,119	3/4	13,060	3/4	1,379	3/4	3/4		3/4		3/4
4	72,815	4	60,755	4	48,695	4	36,670	4	24,868	4	12,809	4	1,233	4	4		4		4
1/4	72,563	1/4	60,503	1/4	48,443	1/4	36,426	1/4	24,617	1/4	12,557	1/4	1,086	1/4	1/4		1/4		1/4
1/2	72,312	1/2	60,252	1/2	48,192	1/2	36,182	1/2	24,366	1/2	12,306	1/2	939	1/2	1/2		1/2		1/2
3/4	72,061	3/4	60,001	3/4	47,941	3/4	35,939	3/4	24,114	3/4	12,055	3/4	793	3/4	3/4		3/4		3/4
5	71,810	5	59,750	5	47,690	5	35,695	5	23,863	5	11,804	5	688	5	5		5		5
1/4	71,558	1/4	59,498	1/4	47,438	1/4	35,451	1/4	23,612	1/4	11,552	1/4	584	1/4	1/4		1/4		1/4
1/2	71,307	1/2	59,247	1/2	47,187	1/2	35,207	1/2	23,361	1/2	11,301	1/2	479	1/2	1/2		1/2		1/2
3/4	71,056	3/4	58,996	3/4	46,936	3/4	34,963	3/4	23,109	3/4	11,050	3/4	374	3/4	3/4		3/4		3/4
6	70,805	6	58,745	6	46,685	6	34,719	6	22,858	6	10,799	6	311	6	6		6		6
1/4	70,553	1/4	58,493	1/4	46,433	1/4	34,476	1/4	22,607	1/4	10,547	1/4	249	1/4	1/4		1/4		1/4
1/2	70,302	1/2	58,242	1/2	46,182	1/2	34,232	1/2	22,356	1/2	10,296	1/2	186	1/2	1/2		1/2		1/2
3/4	70,051	3/4	57,991	3/4	45,931	3/4	33,988	3/4	22,104	3/4	10,045	3/4	123	3/4	3/4		3/4		3/4
7	69,800	7	57,740	7	45,680	7	33,744	7	21,853	7	9,794	7	102	7	7		7		7
1/4	69,548	1/4	57,488	1/4	45,428	1/4	33,500	1/4	21,602	1/4	9,542	1/4	81	1/4	1/4		1/4		1/4
1/2	69,297	1/2	57,237	1/2	45,177	1/2	33,256	1/2	21,351	1/2	9,291	1/2	60	1/2	1/2		1/2		1/2
3/4	69,046	3/4	56,986	3/4	44,926	3/4	33,013	3/4	21,100	3/4	9,040	3/4	39	3/4	3/4		3/4		3/4
8	68,795	8	56,735	8	44,675	8	32,769	8	20,848	8	8,789	8		8	8		8		8
1/4	68,543	1/4	56,483	1/4	44,423	1/4	32,525	1/4	20,597	1/4	8,538	1/4		1/4	1/4		1/4		1/4
1/2	68,292	1/2	56,232	1/2	44,172	1/2	32,281	1/2	20,346	1/2	8,286	1/2		1/2	1/2		1/2		1/2
3/4	68,041	3/4	55,981	3/4	43,921	3/4	32,037	3/4	20,095	3/4	8,035	3/4		3/4	3/4		3/4		3/4
9	67,790	9	55,730	9	43,670	9	31,793	9	19,843	9	7,784	9		9	9		9		9
1/4	67,538	1/4	55,478	1/4	43,418	1/4	31,549	1/4	19,592	1/4	7,533	1/4		1/4	1/4		1/4		1/4
1/2	67,287	1/2	55,227	1/2	43,167	1/2	31,306	1/2	19,341	1/2	7,282	1/2		1/2	1/2		1/2		1/2
3/4	67,036	3/4	54,976	3/4	42,916	3/4	31,062	3/4	19,090	3/4	7,031	3/4		3/4	3/4		3/4		3/4
10	66,785	10	54,725	10	42,665	10	30,818	10	18,838	10	6,780	10		10	10		10		10
1/4	66,533	1/4	54,473	1/4	42,413	1/4	30,574	1/4	18,587	1/4	6,530	1/4		1/4	1/4		1/4		1/4
1/2	66,282	1/2	54,222	1/2	42,162	1/2	30,330	1/2	18,336	1/2	6,279	1/2		1/2	1/2		1/2		1/2
3/4	66,031	3/4	53,971	3/4	41,911	3/4	30,086	3/4	18,085	3/4	6,029	3/4		3/4	3/4		3/4		3/4
11	65,780	11	53,720	11	41,660	11	29,843	11	17,833	11	5,779	11		11	11		11		11
1/4	65,528	1/4	53,468	1/4	41,408	1/4	29,599	1/4	17,582	1/4	5,529	1/4		1/4	1/4		1/4		1/4
1/2	65,277	1/2	53,217	1/2	41,157	1/2	29,355	1/2	17,331	1/2	5,280	1/2		1/2	1/2		1/2		1/2
3/4	65,026	3/4	52,966	3/4	40,906	3/4	29,111	3/4	17,080	3/4	5,030	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/06/2012 CL - SW  
CALCULATED: 07/06/2012 CL  
PRINTED: 07/06/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2012

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



# BARGE "CBC 1349"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	151,732	0	143,635	0	132,963	0	122,271	0	111,540	0	100,810	0	90,079	0	79,348		
1/4	1/4	1/4	151,717	1/4	143,413	1/4	132,741	1/4	122,047	1/4	111,317	1/4	100,586	1/4	89,856	1/4	79,124		
1/2	1/2	1/2	151,701	1/2	143,190	1/2	132,519	1/2	121,824	1/2	111,093	1/2	100,363	1/2	89,632	1/2	78,901		
3/4	3/4	3/4	151,686	3/4	142,968	3/4	132,296	3/4	121,600	3/4	110,870	3/4	100,139	3/4	89,409	3/4	78,677		
1	1	1	151,633	1	142,746	1	132,074	1	121,377	1	110,646	1	99,915	1	89,185	1	78,454		
1/4	1/4	1/4	151,581	1/4	142,523	1/4	131,852	1/4	121,153	1/4	110,422	1/4	99,692	1/4	88,961	1/4	78,230		
1/2	1/2	1/2	151,528	1/2	142,301	1/2	131,629	1/2	120,929	1/2	110,199	1/2	99,468	1/2	88,738	1/2	78,006		
3/4	3/4	3/4	151,476	3/4	142,079	3/4	131,407	3/4	120,706	3/4	109,975	3/4	99,245	3/4	88,514	3/4	77,783		
2	2	2	151,386	2	141,856	2	131,185	2	120,482	2	109,752	2	99,021	2	88,291	2	77,559		
1/4	1/4	1/4	151,296	1/4	141,634	1/4	130,962	1/4	120,259	1/4	109,528	1/4	98,798	1/4	88,067	1/4	77,336		
1/2	1/2	1/2	151,206	1/2	141,412	1/2	130,740	1/2	120,035	1/2	109,305	1/2	98,574	1/2	87,844	1/2	77,112		
3/4	3/4	3/4	151,116	3/4	141,189	3/4	130,518	3/4	119,812	3/4	109,081	3/4	98,351	3/4	87,620	3/4	76,889		
3	3	3	150,989	3	140,967	3	130,295	3	119,588	3	108,858	3	98,127	3	87,397	3	76,665		
1/4	1/4	1/4	150,862	1/4	140,745	1/4	130,073	1/4	119,365	1/4	108,634	1/4	97,904	1/4	87,173	1/4	76,441		
1/2	1/2	1/2	150,735	1/2	140,522	1/2	129,851	1/2	119,141	1/2	108,410	1/2	97,680	1/2	86,949	1/2	76,218		
3/4	3/4	3/4	150,608	3/4	140,300	3/4	129,628	3/4	118,917	3/4	108,187	3/4	97,456	3/4	86,726	3/4	75,994		
4	4	4	150,444	4	140,078	4	129,406	4	118,694	4	107,963	4	97,233	4	86,502	4	75,771		
1/4	1/4	1/4	150,279	1/4	139,855	1/4	129,184	1/4	118,470	1/4	107,740	1/4	97,009	1/4	86,279	1/4	75,547		
1/2	1/2	1/2	150,115	1/2	139,633	1/2	128,961	1/2	118,247	1/2	107,516	1/2	96,786	1/2	86,055	1/2	75,323		
3/4	3/4	3/4	149,950	3/4	139,411	3/4	128,739	3/4	118,023	3/4	107,293	3/4	96,562	3/4	85,832	3/4	75,100		
5	5	5	149,749	5	139,188	5	128,517	5	117,800	5	107,069	5	96,339	5	85,608	5	74,876		
1/4	1/4	1/4	149,547	1/4	138,966	1/4	128,294	1/4	117,576	1/4	106,846	1/4	96,115	1/4	85,385	1/4	74,653		
1/2	1/2	1/2	149,346	1/2	138,744	1/2	128,072	1/2	117,353	1/2	106,622	1/2	95,892	1/2	85,161	1/2	74,429		
3/4	3/4	3/4	149,144	3/4	138,521	3/4	127,850	3/4	117,129	3/4	106,399	3/4	95,668	3/4	84,937	3/4	74,205		
6	6	6	148,924	6	138,299	6	127,627	6	116,906	6	106,175	6	95,444	6	84,714	6	73,982		
1/4	1/4	1/4	148,703	1/4	138,077	1/4	127,405	1/4	116,682	1/4	105,951	1/4	95,221	1/4	84,490	1/4	73,758		
1/2	1/2	1/2	148,483	1/2	137,854	1/2	127,183	1/2	116,458	1/2	105,728	1/2	94,997	1/2	84,267	1/2	73,535		
3/4	3/4	3/4	148,263	3/4	137,632	3/4	126,960	3/4	116,235	3/4	105,504	3/4	94,774	3/4	84,043	3/4	73,311		
7	7	7	148,043	7	137,410	7	126,738	7	116,011	7	105,281	7	94,550	7	83,820	7	73,087		
1/4	1/4	1/4	147,822	1/4	137,188	1/4	126,516	1/4	115,788	1/4	105,057	1/4	94,327	1/4	83,596	1/4	72,864		
1/2	1/2	1/2	147,602	1/2	136,965	1/2	126,293	1/2	115,564	1/2	104,834	1/2	94,103	1/2	83,373	1/2	72,640		
3/4	3/4	3/4	147,382	3/4	136,743	3/4	126,071	3/4	115,341	3/4	104,610	3/4	93,880	3/4	83,149	3/4	72,417		
8	8	8	147,161	8	136,521	8	125,848	8	115,117	8	104,387	8	93,656	8	82,925	8	72,193		
1/4	1/4	1/4	146,941	1/4	136,298	1/4	125,624	1/4	114,894	1/4	104,163	1/4	93,432	1/4	82,702	1/4	71,970		
1/2	1/2	1/2	146,721	1/2	136,076	1/2	125,401	1/2	114,670	1/2	103,939	1/2	93,209	1/2	82,478	1/2	71,746		
3/4	3/4	3/4	146,501	3/4	135,854	3/4	125,177	3/4	114,446	3/4	103,716	3/4	92,985	3/4	82,255	3/4	71,522		
9	9	9	146,280	9	135,631	9	124,953	9	114,223	9	103,492	9	92,762	9	82,031	9	71,299		
1/4	1/4	1/4	146,060	1/4	135,409	1/4	124,730	1/4	113,999	1/4	103,269	1/4	92,538	1/4	81,808	1/4	71,075		
1/2	1/2	1/2	145,840	1/2	135,187	1/2	124,506	1/2	113,776	1/2	103,045	1/2	92,315	1/2	81,584	1/2	70,852		
3/4	3/4	3/4	145,620	3/4	134,964	3/4	124,283	3/4	113,552	3/4	102,822	3/4	92,091	3/4	81,360	3/4	70,628		
10	10	10	145,399	10	134,742	10	124,059	10	113,329	10	102,598	10	91,868	10	81,137	10	70,404		
1/4	1/4	1/4	145,179	1/4	134,520	1/4	123,836	1/4	113,105	1/4	102,375	1/4	91,644	1/4	80,913	1/4	70,181		
1/2	1/2	1/2	144,959	1/2	134,297	1/2	123,612	1/2	112,882	1/2	102,151	1/2	91,420	1/2	80,690	1/2	69,957		
3/4	3/4	3/4	144,738	3/4	134,075	3/4	123,389	3/4	112,658	3/4	101,927	3/4	91,197	3/4	80,466	3/4	69,734		
11	11	11	144,518	11	133,853	11	123,165	11	112,434	11	101,704	11	90,973	11	80,242	11	69,510		
1/4	1/4	1/4	144,298	1/4	133,630	1/4	122,941	1/4	112,211	1/4	101,480	1/4	90,750	1/4	80,019	1/4	69,286		
1/2	1/2	1/2	144,078	1/2	133,408	1/2	122,718	1/2	111,987	1/2	101,257	1/2	90,526	1/2	79,795	1/2	69,063		
3/4	3/4	3/4	151,747	3/4	143,857	3/4	133,186	3/4	122,494	3/4	111,764	3/4	101,033	3/4	79,572	3/4	68,839		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CBC 1349"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	68,616	0	57,883	0	47,151	0	36,419	0	25,710	0	14,980	0	4,260	0		0		0	
1/4	68,392	1/4	57,660	1/4	46,927	1/4	36,195	1/4	25,486	1/4	14,757	1/4	4,039	1/4	1/4		1/4		1/4
1/2	68,168	1/2	57,436	1/2	46,704	1/2	35,971	1/2	25,263	1/2	14,533	1/2	3,817	1/2	1/2		1/2		1/2
3/4	67,945	3/4	57,213	3/4	46,480	3/4	35,748	3/4	25,040	3/4	14,309	3/4	3,596	3/4	3/4		3/4		3/4
1	67,721	1	56,989	1	46,257	1	35,524	1	24,817	1	14,086	1	3,377	1	1		1		1
1/4	67,498	1/4	56,765	1/4	46,033	1/4	35,301	1/4	24,593	1/4	13,862	1/4	3,158	1/4	1/4		1/4		1/4
1/2	67,274	1/2	56,542	1/2	45,809	1/2	35,077	1/2	24,370	1/2	13,639	1/2	2,939	1/2	1/2		1/2		1/2
3/4	67,051	3/4	56,318	3/4	45,586	3/4	34,853	3/4	24,147	3/4	13,415	3/4	2,720	3/4	3/4		3/4		3/4
2	66,827	2	56,095	2	45,362	2	34,630	2	23,923	2	13,192	2	2,516	2	2		2		2
1/4	66,603	1/4	55,871	1/4	45,139	1/4	34,406	1/4	23,700	1/4	12,968	1/4	2,311	1/4	1/4		1/4		1/4
1/2	66,380	1/2	55,647	1/2	44,915	1/2	34,183	1/2	23,476	1/2	12,744	1/2	2,107	1/2	1/2		1/2		1/2
3/4	66,156	3/4	55,424	3/4	44,691	3/4	33,959	3/4	23,253	3/4	12,521	3/4	1,902	3/4	3/4		3/4		3/4
3	65,933	3	55,200	3	44,468	3	33,736	3	23,029	3	12,297	3	1,735	3	3		3		3
1/4	65,709	1/4	54,977	1/4	44,244	1/4	33,512	1/4	22,806	1/4	12,074	1/4	1,567	1/4	1/4		1/4		1/4
1/2	65,485	1/2	54,753	1/2	44,021	1/2	33,288	1/2	22,582	1/2	11,850	1/2	1,399	1/2	1/2		1/2		1/2
3/4	65,262	3/4	54,529	3/4	43,797	3/4	33,065	3/4	22,358	3/4	11,626	3/4	1,232	3/4	3/4		3/4		3/4
4	65,038	4	54,306	4	43,574	4	32,842	4	22,135	4	11,403	4	1,101	4	4		4		4
1/4	64,815	1/4	54,082	1/4	43,350	1/4	32,619	1/4	21,911	1/4	11,179	1/4	971	1/4	1/4		1/4		1/4
1/2	64,591	1/2	53,859	1/2	43,126	1/2	32,396	1/2	21,688	1/2	10,956	1/2	840	1/2	1/2		1/2		1/2
3/4	64,367	3/4	53,635	3/4	42,903	3/4	32,173	3/4	21,464	3/4	10,732	3/4	710	3/4	3/4		3/4		3/4
5	64,144	5	53,411	5	42,679	5	31,950	5	21,240	5	10,509	5	617	5	5		5		5
1/4	63,920	1/4	53,188	1/4	42,456	1/4	31,728	1/4	21,017	1/4	10,285	1/4	524	1/4	1/4		1/4		1/4
1/2	63,697	1/2	52,964	1/2	42,232	1/2	31,505	1/2	20,793	1/2	10,061	1/2	431	1/2	1/2		1/2		1/2
3/4	63,473	3/4	52,741	3/4	42,008	3/4	31,282	3/4	20,570	3/4	9,838	3/4	337	3/4	3/4		3/4		3/4
6	63,249	6	52,517	6	41,785	6	31,059	6	20,346	6	9,614	6	282	6	6		6		6
1/4	63,026	1/4	52,294	1/4	41,561	1/4	30,836	1/4	20,123	1/4	9,391	1/4	226	1/4	1/4		1/4		1/4
1/2	62,802	1/2	52,070	1/2	41,338	1/2	30,613	1/2	19,899	1/2	9,167	1/2	170	1/2	1/2		1/2		1/2
3/4	62,579	3/4	51,846	3/4	41,114	3/4	30,390	3/4	19,675	3/4	8,943	3/4	114	3/4	3/4		3/4		3/4
7	62,355	7	51,623	7	40,890	7	30,167	7	19,452	7	8,720	7	95	7	7		7		7
1/4	62,132	1/4	51,399	1/4	40,667	1/4	29,945	1/4	19,228	1/4	8,496	1/4	77	1/4	1/4		1/4		1/4
1/2	61,908	1/2	51,176	1/2	40,443	1/2	29,722	1/2	19,005	1/2	8,273	1/2	58	1/2	1/2		1/2		1/2
3/4	61,684	3/4	50,952	3/4	40,220	3/4	29,499	3/4	18,781	3/4	8,049	3/4	39	3/4	3/4		3/4		3/4
8	61,461	8	50,728	8	39,996	8	29,276	8	18,557	8	7,826	8		8	8		8		8
1/4	61,237	1/4	50,505	1/4	39,772	1/4	29,053	1/4	18,334	1/4	7,602	1/4		1/4	1/4		1/4		1/4
1/2	61,014	1/2	50,281	1/2	39,549	1/2	28,830	1/2	18,110	1/2	7,378	1/2		1/2	1/2		1/2		1/2
3/4	60,790	3/4	50,058	3/4	39,325	3/4	28,607	3/4	17,887	3/4	7,155	3/4		3/4	3/4		3/4		3/4
9	60,566	9	49,834	9	39,102	9	28,384	9	17,663	9	6,932	9		9	9		9		9
1/4	60,343	1/4	49,610	1/4	38,878	1/4	28,162	1/4	17,440	1/4	6,708	1/4		1/4	1/4		1/4		1/4
1/2	60,119	1/2	49,387	1/2	38,655	1/2	27,939	1/2	17,216	1/2	6,485	1/2		1/2	1/2		1/2		1/2
3/4	59,896	3/4	49,163	3/4	38,431	3/4	27,716	3/4	16,992	3/4	6,261	3/4		3/4	3/4		3/4		3/4
10	59,672	10	48,940	10	38,207	10	27,493	10	16,769	10	6,038	10		10	10		10		10
1/4	59,448	1/4	48,716	1/4	37,984	1/4	27,270	1/4	16,545	1/4	5,815	1/4		1/4	1/4		1/4		1/4
1/2	59,225	1/2	48,493	1/2	37,760	1/2	27,047	1/2	16,322	1/2	5,593	1/2		1/2	1/2		1/2		1/2
3/4	59,001	3/4	48,269	3/4	37,537	3/4	26,824	3/4	16,098	3/4	5,370	3/4		3/4	3/4		3/4		3/4
11	58,778	11	48,045	11	37,313	11	26,601	11	15,875	11	5,147	11		11	11		11		11
1/4	58,554	1/4	47,822	1/4	37,089	1/4	26,379	1/4	15,651	1/4	4,925	1/4		1/4	1/4		1/4		1/4
1/2	58,330	1/2	47,598	1/2	36,866	1/2	26,156	1/2	15,427	1/2	4,703	1/2		1/2	1/2		1/2		1/2
3/4	58,107	3/4	47,375	3/4	36,642	3/4	25,933	3/4	15,204	3/4	4,481	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CALCULATED: 07/06/2012 CL  
PRINTED: 07/06/2012 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2012

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