



BARGE "CBC 1354"

INNAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 161'-09"

November 9, 2012

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

<http://www.pmacorp.net>



BARGE "CBC 1354"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-06 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	8,096	0	18,890	0	29,535	0	40,209	0	50,975	0	61,742	0	72,480	0	83,231	0	94,002
1/4	58	1/4	8,321	1/4	19,115	1/4	29,753	1/4	40,433	1/4	51,200	1/4	61,966	1/4	72,703	1/4	83,456	1/4	94,226
1/2	77	1/2	8,545	1/2	19,340	1/2	29,972	1/2	40,657	1/2	51,424	1/2	62,191	1/2	72,926	1/2	83,680	1/2	94,450
3/4	96	3/4	8,770	3/4	19,565	3/4	30,190	3/4	40,881	3/4	51,648	3/4	62,415	3/4	73,149	3/4	83,905	3/4	94,675
1	114	1	8,995	1	19,790	1	30,409	1	41,106	1	51,873	1	62,639	1	73,372	1	84,129	1	94,899
1/4	171	1/4	9,220	1/4	20,015	1/4	30,627	1/4	41,330	1/4	52,097	1/4	62,864	1/4	73,595	1/4	84,353	1/4	95,123
1/2	227	1/2	9,445	1/2	20,240	1/2	30,846	1/2	41,554	1/2	52,321	1/2	63,088	1/2	73,818	1/2	84,578	1/2	95,348
3/4	283	3/4	9,670	3/4	20,465	3/4	31,064	3/4	41,779	3/4	52,545	3/4	63,312	3/4	74,041	3/4	84,802	3/4	95,572
2	339	2	9,895	2	20,690	2	31,283	2	42,003	2	52,770	2	63,537	2	74,264	2	85,026	2	95,797
1/4	433	1/4	10,120	1/4	20,914	1/4	31,501	1/4	42,227	1/4	52,994	1/4	63,761	1/4	74,487	1/4	85,251	1/4	96,021
1/2	527	1/2	10,345	1/2	21,139	1/2	31,720	1/2	42,452	1/2	53,218	1/2	63,985	1/2	74,710	1/2	85,475	1/2	96,245
3/4	620	3/4	10,570	3/4	21,364	3/4	31,938	3/4	42,676	3/4	53,443	3/4	64,210	3/4	74,933	3/4	85,700	3/4	96,470
3	714	3	10,794	3	21,589	3	32,157	3	42,900	3	53,667	3	64,434	3	75,156	3	85,924	3	96,694
1/4	845	1/4	11,019	1/4	21,814	1/4	32,375	1/4	43,125	1/4	53,891	1/4	64,658	1/4	75,379	1/4	86,148	1/4	96,918
1/2	976	1/2	11,244	1/2	22,039	1/2	32,594	1/2	43,349	1/2	54,116	1/2	64,882	1/2	75,603	1/2	86,373	1/2	97,143
3/4	1,107	3/4	11,469	3/4	22,264	3/4	32,812	3/4	43,573	3/4	54,340	3/4	65,107	3/4	75,827	3/4	86,597	3/4	97,367
4	1,239	4	11,694	4	22,489	4	33,031	4	43,797	4	54,564	4	65,331	4	76,050	4	86,821	4	97,592
1/4	1,407	1/4	11,919	1/4	22,714	1/4	33,255	1/4	44,022	1/4	54,789	1/4	65,555	1/4	76,275	1/4	87,046	1/4	97,816
1/2	1,576	1/2	12,144	1/2	22,938	1/2	33,479	1/2	44,246	1/2	55,013	1/2	65,780	1/2	76,499	1/2	87,270	1/2	98,040
3/4	1,744	3/4	12,369	3/4	23,163	3/4	33,704	3/4	44,470	3/4	55,237	3/4	66,004	3/4	76,724	3/4	87,495	3/4	98,265
5	1,913	5	12,594	5	23,388	5	33,928	5	44,695	5	55,461	5	66,228	5	76,948	5	87,719	5	98,489
1/4	2,119	1/4	12,818	1/4	23,613	1/4	34,152	1/4	44,919	1/4	55,686	1/4	66,452	1/4	77,172	1/4	87,943	1/4	98,714
1/2	2,324	1/2	13,043	1/2	23,838	1/2	34,376	1/2	45,143	1/2	55,910	1/2	66,676	1/2	77,397	1/2	88,168	1/2	98,938
3/4	2,530	3/4	13,268	3/4	24,063	3/4	34,601	3/4	45,368	3/4	56,134	3/4	66,899	3/4	77,621	3/4	88,392	3/4	99,162
6	2,735	6	13,493	6	24,288	6	34,825	6	45,592	6	56,359	6	67,123	6	77,846	6	88,617	6	99,387
1/4	2,956	1/4	13,718	1/4	24,507	1/4	35,049	1/4	45,816	1/4	56,583	1/4	67,347	1/4	78,070	1/4	88,841	1/4	99,611
1/2	3,176	1/2	13,943	1/2	24,726	1/2	35,274	1/2	46,041	1/2	56,807	1/2	67,571	1/2	78,295	1/2	89,065	1/2	99,835
3/4	3,396	3/4	14,168	3/4	24,944	3/4	35,498	3/4	46,265	3/4	57,032	3/4	67,794	3/4	78,519	3/4	89,290	3/4	100,060
7	3,617	7	14,393	7	25,163	7	35,722	7	46,489	7	57,256	7	68,018	7	78,743	7	89,514	7	100,284
1/4	3,839	1/4	14,618	1/4	25,382	1/4	35,947	1/4	46,713	1/4	57,480	1/4	68,242	1/4	78,968	1/4	89,738	1/4	100,509
1/2	4,062	1/2	14,842	1/2	25,601	1/2	36,171	1/2	46,938	1/2	57,705	1/2	68,465	1/2	79,192	1/2	89,963	1/2	100,733
3/4	4,284	3/4	15,067	3/4	25,820	3/4	36,395	3/4	47,162	3/4	57,929	3/4	68,689	3/4	79,417	3/4	90,187	3/4	100,957
8	4,506	8	15,292	8	26,039	8	36,620	8	47,386	8	58,153	8	68,913	8	79,641	8	90,412	8	101,182
1/4	4,730	1/4	15,517	1/4	26,257	1/4	36,844	1/4	47,611	1/4	58,377	1/4	69,136	1/4	79,865	1/4	90,636	1/4	101,406
1/2	4,953	1/2	15,742	1/2	26,476	1/2	37,068	1/2	47,835	1/2	58,602	1/2	69,359	1/2	80,090	1/2	90,860	1/2	101,630
3/4	5,177	3/4	15,967	3/4	26,694	3/4	37,292	3/4	48,059	3/4	58,826	3/4	69,582	3/4	80,314	3/4	91,085	3/4	101,855
9	5,400	9	16,192	9	26,913	9	37,517	9	48,284	9	59,050	9	69,805	9	80,539	9	91,309	9	102,079
1/4	5,625	1/4	16,417	1/4	27,131	1/4	37,741	1/4	48,508	1/4	59,275	1/4	70,028	1/4	80,763	1/4	91,533	1/4	102,304
1/2	5,849	1/2	16,642	1/2	27,350	1/2	37,965	1/2	48,732	1/2	59,499	1/2	70,251	1/2	80,987	1/2	91,758	1/2	102,528
3/4	6,073	3/4	16,866	3/4	27,568	3/4	38,190	3/4	48,957	3/4	59,723	3/4	70,474	3/4	81,212	3/4	91,982	3/4	102,752
10	6,297	10	17,091	10	27,787	10	38,414	10	49,181	10	59,948	10	70,697	10	81,436	10	92,207	10	102,977
1/4	6,522	1/4	17,316	1/4	28,005	1/4	38,638	1/4	49,405	1/4	60,172	1/4	70,920	1/4	81,661	1/4	92,431	1/4	103,201
1/2	6,747	1/2	17,541	1/2	28,224	1/2	38,863	1/2	49,629	1/2	60,396	1/2	71,143	1/2	81,885	1/2	92,655	1/2	103,425
3/4	6,972	3/4	17,766	3/4	28,442	3/4	39,087	3/4	49,854	3/4	60,621	3/4	71,366	3/4	82,110	3/4	92,880	3/4	103,650
11	7,196	11	17,991	11	28,661	11	39,311	11	50,078	11	60,845	11	71,588	11	82,334	11	93,104	11	103,874
1/4	7,421	1/4	18,216	1/4	28,879	1/4	39,536	1/4	50,302	1/4	61,069	1/4	71,811	1/4	82,558	1/4	93,328	1/4	104,098
1/2	7,646	1/2	18,441	1/2	29,098	1/2	39,760	1/2	50,527	1/2	61,294	1/2	72,034	1/2	82,783	1/2	93,553	1/2	104,322
3/4	7,871	3/4	18,666	3/4	29,316	3/4	39,984	3/4	50,751	3/4	61,518	3/4	72,257	3/4	83,007	3/4	93,777	3/4	104,547

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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1354"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-06 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	104,771	0	114,769	0	124,232	0	133,655	0	143,053	0		0		0		0		0	
1/4	104,995	1/4	114,967	1/4	124,429	1/4	133,852	1/4	143,248	1/4		1/4		1/4		1/4		1/4	
1/2	105,219	1/2	115,164	1/2	124,626	1/2	134,048	1/2	143,443	1/2		1/2		1/2		1/2		1/2	
3/4	105,443	3/4	115,361	3/4	124,822	3/4	134,245	3/4	143,637	3/4		3/4		3/4		3/4		3/4	
1	105,667	1	115,558	1	125,019	1	134,442	1	143,832	1		1		1		1		1	
1/4	105,891	1/4	115,755	1/4	125,215	1/4	134,638	1/4	144,035	1/4		1/4		1/4		1/4		1/4	
1/2	106,115	1/2	115,952	1/2	125,412	1/2	134,835	1/2	144,239	1/2		1/2		1/2		1/2		1/2	
3/4	106,340	3/4	116,150	3/4	125,609	3/4	135,032	3/4	144,442	3/4		3/4		3/4		3/4		3/4	
2	106,564	2	116,347	2	125,805	2	135,228	2	144,646	2		2		2		2		2	
1/4	106,788	1/4	116,544	1/4	126,002	1/4	135,425	1/4	144,812	1/4		1/4		1/4		1/4		1/4	
1/2	107,012	1/2	116,741	1/2	126,199	1/2	135,622	1/2	144,978	1/2		1/2		1/2		1/2		1/2	
3/4	107,236	3/4	116,938	3/4	126,395	3/4	135,818	3/4	145,144	3/4		3/4		3/4		3/4		3/4	
3	107,460	3	117,136	3	126,592	3	136,015	3	145,310	3		3		3		3		3	
1/4	107,684	1/4	117,333	1/4	126,789	1/4	136,212	1/4	145,438	1/4		1/4		1/4		1/4		1/4	
1/2	107,909	1/2	117,530	1/2	126,985	1/2	136,408	1/2	145,567	1/2		1/2		1/2		1/2		1/2	
3/4	108,133	3/4	117,727	3/4	127,182	3/4	136,605	3/4	145,695	3/4		3/4		3/4		3/4		3/4	
4	108,357	4	117,924	4	127,379	4	136,802	4	145,824	4		4		4		4		4	
1/4	108,581	1/4	118,122	1/4	127,575	1/4	136,998	1/4	145,915	1/4		1/4		1/4		1/4		1/4	
1/2	108,805	1/2	118,319	1/2	127,772	1/2	137,195	1/2	146,006	1/2		1/2		1/2		1/2		1/2	
3/4	109,029	3/4	118,516	3/4	127,969	3/4	137,392	3/4	146,097	3/4		3/4		3/4		3/4		3/4	
5	109,253	5	118,713	5	128,165	5	137,588	5	146,188	5		5		5		5		5	
1/4	109,450	1/4	118,910	1/4	128,361	1/4	137,785	1/4	146,242	1/4		1/4		1/4		1/4		1/4	
1/2	109,647	1/2	119,107	1/2	128,557	1/2	137,982	1/2	146,295	1/2		1/2		1/2		1/2		1/2	
3/4	109,844	3/4	119,305	3/4	128,753	3/4	138,178	3/4	146,349	3/4		3/4		3/4		3/4		3/4	
6	110,041	6	119,502	6	128,949	6	138,375	6	146,402	6		6		6		6		6	
1/4	110,238	1/4	119,699	1/4	129,145	1/4	138,572	1/4	146,418	1/4		1/4		1/4		1/4		1/4	
1/2	110,435	1/2	119,896	1/2	129,341	1/2	138,768	1/2	146,435	1/2		1/2		1/2		1/2		1/2	
3/4	110,632	3/4	120,093	3/4	129,537	3/4	138,965	3/4	146,451	3/4		3/4		3/4		3/4		3/4	
7	110,829	7	120,291	7	129,733	7	139,162	7	146,467	7		7		7		7		7	
1/4	111,026	1/4	120,488	1/4	129,929	1/4	139,356	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,223	1/2	120,685	1/2	130,125	1/2	139,551	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	111,420	3/4	120,882	3/4	130,321	3/4	139,745	3/4		3/4		3/4		3/4		3/4		3/4	
8	111,617	8	121,079	8	130,517	8	139,940	8		8		8		8		8		8	
1/4	111,814	1/4	121,276	1/4	130,713	1/4	140,135	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,011	1/2	121,474	1/2	130,909	1/2	140,329	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,208	3/4	121,671	3/4	131,105	3/4	140,524	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,405	9	121,868	9	131,301	9	140,718	9		9		9		9		9		9	
1/4	112,602	1/4	122,065	1/4	131,497	1/4	140,913	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,799	1/2	122,262	1/2	131,693	1/2	141,108	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,996	3/4	122,460	3/4	131,889	3/4	141,302	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,193	10	122,657	10	132,085	10	141,497	10		10		10		10		10		10	
1/4	113,390	1/4	122,854	1/4	132,281	1/4	141,691	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,587	1/2	123,051	1/2	132,477	1/2	141,886	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,784	3/4	123,248	3/4	132,673	3/4	142,080	3/4		3/4		3/4		3/4		3/4		3/4	
11	113,981	11	123,446	11	132,868	11	142,275	11		11		11		11		11		11	
1/4	114,178	1/4	123,642	1/4	133,065	1/4	142,470	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,375	1/2	123,839	1/2	133,262	1/2	142,664	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,572	3/4	124,036	3/4	133,458	3/4	142,859	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/08/2012 CL
CALCULATED: 11/08/2012 CL
PRINTED: 11/09/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CBC 1354"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-06 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	9,048	0	21,118	0	33,041	0	44,964	0	57,034	0	69,105	0	81,175	0	93,245	0	105,313
1/4	60	1/4	9,299	1/4	21,369	1/4	33,285	1/4	45,216	1/4	57,286	1/4	69,356	1/4	81,426	1/4	93,496	1/4	105,565
1/2	81	1/2	9,551	1/2	21,620	1/2	33,529	1/2	45,467	1/2	57,537	1/2	69,608	1/2	81,678	1/2	93,748	1/2	105,816
3/4	102	3/4	9,802	3/4	21,872	3/4	33,773	3/4	45,718	3/4	57,789	3/4	69,859	3/4	81,929	3/4	93,999	3/4	106,067
1	123	1	10,053	1	22,123	1	34,017	1	45,970	1	58,040	1	70,111	1	82,181	1	94,251	1	106,319
1/4	186	1/4	10,305	1/4	22,375	1/4	34,261	1/4	46,221	1/4	58,292	1/4	70,362	1/4	82,432	1/4	94,502	1/4	106,570
1/2	249	1/2	10,556	1/2	22,626	1/2	34,505	1/2	46,473	1/2	58,543	1/2	70,613	1/2	82,684	1/2	94,754	1/2	106,822
3/4	312	3/4	10,808	3/4	22,878	3/4	34,749	3/4	46,724	3/4	58,795	3/4	70,865	3/4	82,935	3/4	95,005	3/4	107,073
2	374	2	11,059	2	23,129	2	34,993	2	46,976	2	59,046	2	71,116	2	83,187	2	95,256	2	107,325
1/4	479	1/4	11,311	1/4	23,381	1/4	35,237	1/4	47,227	1/4	59,298	1/4	71,368	1/4	83,438	1/4	95,508	1/4	107,576
1/2	584	1/2	11,562	1/2	23,632	1/2	35,481	1/2	47,479	1/2	59,549	1/2	71,619	1/2	83,690	1/2	95,759	1/2	107,827
3/4	689	3/4	11,814	3/4	23,884	3/4	35,725	3/4	47,730	3/4	59,800	3/4	71,871	3/4	83,941	3/4	96,011	3/4	108,079
3	794	3	12,065	3	24,135	3	35,969	3	47,982	3	60,052	3	72,122	3	84,192	3	96,262	3	108,330
1/4	940	1/4	12,317	1/4	24,386	1/4	36,213	1/4	48,233	1/4	60,303	1/4	72,374	1/4	84,444	1/4	96,513	1/4	108,582
1/2	1,087	1/2	12,568	1/2	24,638	1/2	36,457	1/2	48,485	1/2	60,555	1/2	72,625	1/2	84,695	1/2	96,765	1/2	108,833
3/4	1,234	3/4	12,819	3/4	24,889	3/4	36,701	3/4	48,736	3/4	60,806	3/4	72,877	3/4	84,947	3/4	97,016	3/4	109,085
4	1,380	4	13,071	4	25,141	4	36,945	4	48,988	4	61,058	4	73,128	4	85,198	4	97,268	4	109,336
1/4	1,569	1/4	13,322	1/4	25,392	1/4	37,190	1/4	49,239	1/4	61,309	1/4	73,380	1/4	85,450	1/4	97,519	1/4	109,587
1/2	1,757	1/2	13,574	1/2	25,644	1/2	37,434	1/2	49,490	1/2	61,561	1/2	73,631	1/2	85,701	1/2	97,771	1/2	109,839
3/4	1,946	3/4	13,825	3/4	25,895	3/4	37,679	3/4	49,742	3/4	61,812	3/4	73,882	3/4	85,953	3/4	98,022	3/4	110,090
5	2,135	5	14,077	5	26,147	5	37,923	5	49,993	5	62,064	5	74,134	5	86,204	5	98,273	5	110,342
1/4	2,364	1/4	14,328	1/4	26,398	1/4	38,175	1/4	50,245	1/4	62,315	1/4	74,385	1/4	86,456	1/4	98,525	1/4	110,593
1/2	2,594	1/2	14,580	1/2	26,650	1/2	38,426	1/2	50,496	1/2	62,567	1/2	74,637	1/2	86,707	1/2	98,776	1/2	110,844
3/4	2,824	3/4	14,831	3/4	26,901	3/4	38,677	3/4	50,748	3/4	62,818	3/4	74,888	3/4	86,959	3/4	99,028	3/4	111,096
6	3,054	6	15,083	6	27,152	6	38,929	6	50,999	6	63,070	6	75,140	6	87,210	6	99,279	6	111,347
1/4	3,300	1/4	15,334	1/4	27,404	1/4	39,180	1/4	51,251	1/4	63,321	1/4	75,391	1/4	87,462	1/4	99,531	1/4	111,599
1/2	3,547	1/2	15,585	1/2	27,655	1/2	39,432	1/2	51,502	1/2	63,572	1/2	75,643	1/2	87,713	1/2	99,782	1/2	111,850
3/4	3,793	3/4	15,837	3/4	27,907	3/4	39,683	3/4	51,754	3/4	63,824	3/4	75,894	3/4	87,964	3/4	100,033	3/4	112,102
7	4,040	7	16,088	7	28,158	7	39,935	7	52,005	7	64,075	7	76,146	7	88,216	7	100,285	7	112,353
1/4	4,288	1/4	16,340	1/4	28,403	1/4	40,186	1/4	52,257	1/4	64,327	1/4	76,397	1/4	88,467	1/4	100,536	1/4	112,604
1/2	4,537	1/2	16,591	1/2	28,647	1/2	40,438	1/2	52,508	1/2	64,578	1/2	76,649	1/2	88,719	1/2	100,788	1/2	112,856
3/4	4,786	3/4	16,843	3/4	28,891	3/4	40,689	3/4	52,759	3/4	64,830	3/4	76,900	3/4	88,970	3/4	101,039	3/4	113,107
8	5,034	8	17,094	8	29,136	8	40,941	8	53,011	8	65,081	8	77,151	8	89,222	8	101,290	8	113,359
1/4	5,284	1/4	17,346	1/4	29,380	1/4	41,192	1/4	53,262	1/4	65,333	1/4	77,403	1/4	89,473	1/4	101,542	1/4	113,610
1/2	5,534	1/2	17,597	1/2	29,624	1/2	41,444	1/2	53,514	1/2	65,584	1/2	77,654	1/2	89,725	1/2	101,793	1/2	113,862
3/4	5,784	3/4	17,849	3/4	29,868	3/4	41,695	3/4	53,765	3/4	65,836	3/4	77,906	3/4	89,976	3/4	102,045	3/4	114,113
9	6,034	9	18,100	9	30,112	9	41,947	9	54,017	9	66,087	9	78,157	9	90,228	9	102,296	9	114,364
1/4	6,285	1/4	18,351	1/4	30,356	1/4	42,198	1/4	54,268	1/4	66,339	1/4	78,409	1/4	90,479	1/4	102,548	1/4	114,616
1/2	6,536	1/2	18,603	1/2	30,600	1/2	42,449	1/2	54,520	1/2	66,590	1/2	78,660	1/2	90,731	1/2	102,799	1/2	114,867
3/4	6,786	3/4	18,854	3/4	30,844	3/4	42,701	3/4	54,771	3/4	66,841	3/4	78,912	3/4	90,982	3/4	103,050	3/4	115,119
10	7,037	10	19,106	10	31,088	10	42,952	10	55,023	10	67,093	10	79,163	10	91,233	10	103,302	10	115,370
1/4	7,288	1/4	19,357	1/4	31,332	1/4	43,204	1/4	55,274	1/4	67,344	1/4	79,415	1/4	91,485	1/4	103,553	1/4	115,621
1/2	7,539	1/2	19,609	1/2	31,576	1/2	43,455	1/2	55,526	1/2	67,596	1/2	79,666	1/2	91,736	1/2	103,805	1/2	115,873
3/4	7,791	3/4	19,860	3/4	31,820	3/4	43,707	3/4	55,777	3/4	67,847	3/4	79,918	3/4	91,988	3/4	104,056	3/4	116,124
11	8,042	11	20,112	11	32,064	11	43,958	11	56,029	11	68,099	11	80,169	11	92,239	11	104,308	11	116,376
1/4	8,293	1/4	20,363	1/4	32,309	1/4	44,210	1/4	56,280	1/4	68,350	1/4	80,421	1/4	92,491	1/4	104,559	1/4	116,627
1/2	8,545	1/2	20,615	1/2	32,553	1/2	44,461	1/2	56,531	1/2	68,602	1/2	80,672	1/2	92,742	1/2	104,810	1/2	116,879
3/4	8,796	3/4	20,866	3/4	32,797	3/4	44,713	3/4	56,783	3/4	68,853	3/4	80,923	3/4	92,994	3/4	105,062	3/4	117,130

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 29'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1354"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-06 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	117,381	0	129,450	0	141,512	0	153,513	0	165,468	0		0		0		0		0	
1/4	117,633	1/4	129,701	1/4	141,762	1/4	153,763	1/4	165,716	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	117,884	1/2	129,952	1/2	142,012	1/2	154,013	1/2	165,964	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	118,136	3/4	130,204	3/4	142,262	3/4	154,263	3/4	166,211	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	118,387	1	130,455	1	142,512	1	154,513	1	166,459	1	1	1	1	1	1	1	1	1	1
1/4	118,639	1/4	130,707	1/4	142,762	1/4	154,763	1/4	166,686	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,890	1/2	130,958	1/2	143,012	1/2	155,013	1/2	166,913	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,141	3/4	131,210	3/4	143,262	3/4	155,263	3/4	167,139	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	119,393	2	131,461	2	143,512	2	155,514	2	167,366	2	2	2	2	2	2	2	2	2	2
1/4	119,644	1/4	131,712	1/4	143,762	1/4	155,764	1/4	167,551	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,896	1/2	131,964	1/2	144,012	1/2	156,014	1/2	167,736	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	120,147	3/4	132,215	3/4	144,262	3/4	156,264	3/4	167,921	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	120,398	3	132,467	3	144,513	3	156,514	3	168,105	3	3	3	3	3	3	3	3	3	3
1/4	120,650	1/4	132,718	1/4	144,763	1/4	156,764	1/4	168,248	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	120,901	1/2	132,970	1/2	145,013	1/2	157,014	1/2	168,391	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	121,153	3/4	133,221	3/4	145,263	3/4	157,264	3/4	168,534	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	121,404	4	133,472	4	145,513	4	157,514	4	168,677	4	4	4	4	4	4	4	4	4	4
1/4	121,656	1/4	133,724	1/4	145,763	1/4	157,764	1/4	168,778	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	121,907	1/2	133,975	1/2	146,013	1/2	158,014	1/2	168,879	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	122,158	3/4	134,227	3/4	146,263	3/4	158,264	3/4	168,980	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	122,410	5	134,478	5	146,513	5	158,514	5	169,081	5	5	5	5	5	5	5	5	5	5
1/4	122,661	1/4	134,729	1/4	146,763	1/4	158,764	1/4	169,140	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	122,913	1/2	134,981	1/2	147,013	1/2	159,014	1/2	169,200	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	123,164	3/4	135,232	3/4	147,263	3/4	159,264	3/4	169,259	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	123,416	6	135,484	6	147,513	6	159,514	6	169,318	6	6	6	6	6	6	6	6	6	6
1/4	123,667	1/4	135,735	1/4	147,763	1/4	159,764	1/4	169,335	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	123,918	1/2	135,987	1/2	148,013	1/2	160,014	1/2	169,352	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	124,170	3/4	136,238	3/4	148,263	3/4	160,264	3/4	169,369	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	124,421	7	136,489	7	148,513	7	160,514	7	169,387	7	7	7	7	7	7	7	7	7	7
1/4	124,673	1/4	136,741	1/4	148,763	1/4	160,762	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	124,924	1/2	136,992	1/2	149,013	1/2	161,009	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	125,175	3/4	137,244	3/4	149,263	3/4	161,257	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	125,427	8	137,495	8	149,513	8	161,505	8		8	8	8	8	8	8	8	8	8	8
1/4	125,678	1/4	137,747	1/4	149,763	1/4	161,753	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	125,930	1/2	137,998	1/2	150,013	1/2	162,000	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	126,181	3/4	138,249	3/4	150,263	3/4	162,248	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	126,433	9	138,501	9	150,513	9	162,496	9		9	9	9	9	9	9	9	9	9	9
1/4	126,684	1/4	138,752	1/4	150,763	1/4	162,743	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	126,935	1/2	139,004	1/2	151,013	1/2	162,991	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	127,187	3/4	139,255	3/4	151,263	3/4	163,239	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	127,438	10	139,506	10	151,513	10	163,487	10		10	10	10	10	10	10	10	10	10	10
1/4	127,690	1/4	139,758	1/4	151,763	1/4	163,734	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	127,941	1/2	140,009	1/2	152,013	1/2	163,982	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	128,193	3/4	140,261	3/4	152,263	3/4	164,230	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	128,444	11	140,512	11	152,513	11	164,477	11		11	11	11	11	11	11	11	11	11	11
1/4	128,695	1/4	140,762	1/4	152,763	1/4	164,725	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	128,947	1/2	141,012	1/2	153,013	1/2	164,973	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	129,198	3/4	141,262	3/4	153,263	3/4	165,221	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: 11/08/2012 CL
CALCULATED: 11/08/2012 CL
PRINTED: 11/09/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2012

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



BARGE "CBC 1354"

3 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	8,033	0	18,744	0	29,441	0	40,141	0	50,852	0	61,564	0	72,275	0	82,986	0	93,696
1/4	58	1/4	8,257	1/4	18,968	1/4	29,664	1/4	40,364	1/4	51,076	1/4	61,787	1/4	72,498	1/4	83,210	1/4	93,919
1/2	76	1/2	8,480	1/2	19,191	1/2	29,886	1/2	40,587	1/2	51,299	1/2	62,010	1/2	72,721	1/2	83,433	1/2	94,142
3/4	95	3/4	8,703	3/4	19,414	3/4	30,108	3/4	40,811	3/4	51,522	3/4	62,233	3/4	72,945	3/4	83,656	3/4	94,365
1	114	1	8,926	1	19,637	1	30,331	1	41,034	1	51,745	1	62,456	1	73,168	1	83,879	1	94,588
1/4	169	1/4	9,149	1/4	19,860	1/4	30,553	1/4	41,257	1/4	51,968	1/4	62,680	1/4	73,391	1/4	84,102	1/4	94,812
1/2	225	1/2	9,372	1/2	20,083	1/2	30,776	1/2	41,480	1/2	52,191	1/2	62,903	1/2	73,614	1/2	84,325	1/2	95,035
3/4	281	3/4	9,595	3/4	20,306	3/4	30,998	3/4	41,703	3/4	52,414	3/4	63,126	3/4	73,837	3/4	84,548	3/4	95,258
2	337	2	9,819	2	20,530	2	31,221	2	41,926	2	52,638	2	63,349	2	74,060	2	84,771	2	95,481
1/4	430	1/4	10,042	1/4	20,753	1/4	31,443	1/4	42,149	1/4	52,861	1/4	63,572	1/4	74,284	1/4	84,994	1/4	95,704
1/2	523	1/2	10,265	1/2	20,976	1/2	31,666	1/2	42,373	1/2	53,084	1/2	63,795	1/2	74,507	1/2	85,218	1/2	95,927
3/4	616	3/4	10,488	3/4	21,199	3/4	31,888	3/4	42,596	3/4	53,307	3/4	64,018	3/4	74,730	3/4	85,441	3/4	96,150
3	709	3	10,711	3	21,422	3	32,110	3	42,819	3	53,530	3	64,242	3	74,953	3	85,664	3	96,373
1/4	839	1/4	10,934	1/4	21,645	1/4	32,333	1/4	43,042	1/4	53,753	1/4	64,465	1/4	75,176	1/4	85,887	1/4	96,596
1/2	969	1/2	11,157	1/2	21,868	1/2	32,555	1/2	43,265	1/2	53,977	1/2	64,688	1/2	75,399	1/2	86,110	1/2	96,820
3/4	1,099	3/4	11,381	3/4	22,092	3/4	32,778	3/4	43,488	3/4	54,200	3/4	64,911	3/4	75,622	3/4	86,333	3/4	97,043
4	1,229	4	11,604	4	22,315	4	33,000	4	43,712	4	54,423	4	65,134	4	75,846	4	86,556	4	97,266
1/4	1,397	1/4	11,827	1/4	22,538	1/4	33,223	1/4	43,935	1/4	54,646	1/4	65,357	1/4	76,069	1/4	86,779	1/4	97,489
1/2	1,564	1/2	12,050	1/2	22,761	1/2	33,446	1/2	44,158	1/2	54,869	1/2	65,580	1/2	76,292	1/2	87,002	1/2	97,712
3/4	1,731	3/4	12,273	3/4	22,984	3/4	33,670	3/4	44,381	3/4	55,092	3/4	65,804	3/4	76,515	3/4	87,226	3/4	97,935
5	1,899	5	12,496	5	23,207	5	33,893	5	44,604	5	55,315	5	66,027	5	76,738	5	87,449	5	98,158
1/4	2,103	1/4	12,719	1/4	23,430	1/4	34,116	1/4	44,827	1/4	55,539	1/4	66,250	1/4	76,961	1/4	87,672	1/4	98,381
1/2	2,307	1/2	12,943	1/2	23,654	1/2	34,339	1/2	45,050	1/2	55,762	1/2	66,473	1/2	77,185	1/2	87,895	1/2	98,605
3/4	2,511	3/4	13,166	3/4	23,877	3/4	34,562	3/4	45,274	3/4	55,985	3/4	66,696	3/4	77,408	3/4	88,118	3/4	98,828
6	2,715	6	13,389	6	24,100	6	34,785	6	45,497	6	56,208	6	66,919	6	77,631	6	88,341	6	99,051
1/4	2,933	1/4	13,612	1/4	24,323	1/4	35,009	1/4	45,720	1/4	56,431	1/4	67,143	1/4	77,854	1/4	88,564	1/4	99,274
1/2	3,152	1/2	13,835	1/2	24,545	1/2	35,232	1/2	45,943	1/2	56,654	1/2	67,366	1/2	78,077	1/2	88,787	1/2	99,497
3/4	3,371	3/4	14,058	3/4	24,768	3/4	35,455	3/4	46,166	3/4	56,878	3/4	67,589	3/4	78,300	3/4	89,011	3/4	99,720
7	3,589	7	14,281	7	24,991	7	35,678	7	46,389	7	57,101	7	67,812	7	78,523	7	89,234	7	99,943
1/4	3,810	1/4	14,505	1/4	25,214	1/4	35,901	1/4	46,613	1/4	57,324	1/4	68,035	1/4	78,747	1/4	89,457	1/4	100,166
1/2	4,031	1/2	14,728	1/2	25,437	1/2	36,124	1/2	46,836	1/2	57,547	1/2	68,258	1/2	78,970	1/2	89,680	1/2	100,389
3/4	4,251	3/4	14,951	3/4	25,659	3/4	36,347	3/4	47,059	3/4	57,770	3/4	68,482	3/4	79,193	3/4	89,903	3/4	100,613
8	4,472	8	15,174	8	25,882	8	36,571	8	47,282	8	57,993	8	68,705	8	79,416	8	90,126	8	100,836
1/4	4,694	1/4	15,397	1/4	26,105	1/4	36,794	1/4	47,505	1/4	58,216	1/4	68,928	1/4	79,639	1/4	90,349	1/4	101,059
1/2	4,916	1/2	15,620	1/2	26,327	1/2	37,017	1/2	47,728	1/2	58,440	1/2	69,151	1/2	79,862	1/2	90,572	1/2	101,282
3/4	5,137	3/4	15,843	3/4	26,549	3/4	37,240	3/4	47,951	3/4	58,663	3/4	69,374	3/4	80,086	3/4	90,795	3/4	101,505
9	5,359	9	16,067	9	26,772	9	37,463	9	48,175	9	58,886	9	69,597	9	80,309	9	91,019	9	101,728
1/4	5,582	1/4	16,290	1/4	26,994	1/4	37,686	1/4	48,398	1/4	59,109	1/4	69,820	1/4	80,532	1/4	91,242	1/4	101,951
1/2	5,804	1/2	16,513	1/2	27,217	1/2	37,910	1/2	48,621	1/2	59,332	1/2	70,044	1/2	80,755	1/2	91,465	1/2	102,174
3/4	6,027	3/4	16,736	3/4	27,439	3/4	38,133	3/4	48,844	3/4	59,555	3/4	70,267	3/4	80,978	3/4	91,688	3/4	102,397
10	6,249	10	16,959	10	27,662	10	38,356	10	49,067	10	59,779	10	70,490	10	81,201	10	91,911	10	102,621
1/4	6,472	1/4	17,182	1/4	27,884	1/4	38,579	1/4	49,290	1/4	60,002	1/4	70,713	1/4	81,424	1/4	92,134	1/4	102,844
1/2	6,695	1/2	17,405	1/2	28,107	1/2	38,802	1/2	49,514	1/2	60,225	1/2	70,936	1/2	81,648	1/2	92,357	1/2	103,067
3/4	6,918	3/4	17,629	3/4	28,329	3/4	39,025	3/4	49,737	3/4	60,448	3/4	71,159	3/4	81,871	3/4	92,580	3/4	103,290
11	7,141	11	17,852	11	28,551	11	39,248	11	49,960	11	60,671	11	71,383	11	82,094	11	92,803	11	103,513
1/4	7,364	1/4	18,075	1/4	28,774	1/4	39,472	1/4	50,183	1/4	60,894	1/4	71,606	1/4	82,317	1/4	93,027	1/4	103,736
1/2	7,587	1/2	18,298	1/2	28,996	1/2	39,695	1/2	50,406	1/2	61,117	1/2	71,829	1/2	82,540	1/2	93,250	1/2	103,959
3/4	7,810	3/4	18,521	3/4	29,219	3/4	39,918	3/4	50,629	3/4	61,341	3/4	72,052	3/4	82,763	3/4	93,473	3/4	104,182

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'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1354"

3 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	104,406	0	115,115	0	125,820	0	136,471	0	147,080	0		0		0		0		0	
1/4	104,629	1/4	115,338	1/4	126,042	1/4	136,692	1/4	147,300	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	104,852	1/2	115,561	1/2	126,264	1/2	136,914	1/2	147,520	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,075	3/4	115,784	3/4	126,485	3/4	137,136	3/4	147,740	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	105,298	1	116,008	1	126,707	1	137,358	1	147,960	1	1	1	1	1	1	1	1	1	1
1/4	105,521	1/4	116,231	1/4	126,929	1/4	137,580	1/4	148,161	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,744	1/2	116,454	1/2	127,151	1/2	137,802	1/2	148,362	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,967	3/4	116,677	3/4	127,373	3/4	138,024	3/4	148,564	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	106,190	2	116,900	2	127,595	2	138,246	2	148,765	2	2	2	2	2	2	2	2	2	2
1/4	106,414	1/4	117,123	1/4	127,817	1/4	138,468	1/4	148,929	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,637	1/2	117,346	1/2	128,039	1/2	138,690	1/2	149,093	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,860	3/4	117,569	3/4	128,261	3/4	138,911	3/4	149,257	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	107,083	3	117,792	3	128,482	3	139,133	3	149,421	3	3	3	3	3	3	3	3	3	3
1/4	107,306	1/4	118,016	1/4	128,704	1/4	139,355	1/4	149,548	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	107,529	1/2	118,239	1/2	128,926	1/2	139,577	1/2	149,675	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,752	3/4	118,462	3/4	129,148	3/4	139,799	3/4	149,802	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	107,975	4	118,685	4	129,370	4	140,021	4	149,928	4	4	4	4	4	4	4	4	4	4
1/4	108,198	1/4	118,908	1/4	129,592	1/4	140,243	1/4	150,018	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	108,422	1/2	119,131	1/2	129,814	1/2	140,465	1/2	150,108	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,645	3/4	119,354	3/4	130,036	3/4	140,687	3/4	150,197	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	108,868	5	119,577	5	130,258	5	140,908	5	150,287	5	5	5	5	5	5	5	5	5	5
1/4	109,091	1/4	119,801	1/4	130,479	1/4	141,130	1/4	150,340	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,314	1/2	120,024	1/2	130,701	1/2	141,352	1/2	150,392	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,537	3/4	120,247	3/4	130,923	3/4	141,574	3/4	150,445	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	109,760	6	120,470	6	131,145	6	141,796	6	150,497	6	6	6	6	6	6	6	6	6	6
1/4	109,983	1/4	120,693	1/4	131,367	1/4	142,018	1/4	150,512	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,207	1/2	120,916	1/2	131,589	1/2	142,240	1/2	150,528	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,430	3/4	121,139	3/4	131,811	3/4	142,462	3/4	150,543	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	110,653	7	121,362	7	132,033	7	142,684	7	150,558	7	7	7	7	7	7	7	7	7	7
1/4	110,876	1/4	121,585	1/4	132,255	1/4	142,903	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,099	1/2	121,809	1/2	132,477	1/2	143,123	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,322	3/4	122,032	3/4	132,698	3/4	143,343	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	111,545	8	122,255	8	132,920	8	143,563	8		8	8	8	8	8	8	8	8	8	8
1/4	111,768	1/4	122,478	1/4	133,142	1/4	143,783	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,991	1/2	122,701	1/2	133,364	1/2	144,003	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,215	3/4	122,924	3/4	133,586	3/4	144,222	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	112,438	9	123,147	9	133,808	9	144,442	9		9	9	9	9	9	9	9	9	9	9
1/4	112,661	1/4	123,370	1/4	134,030	1/4	144,662	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,884	1/2	123,593	1/2	134,252	1/2	144,882	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,107	3/4	123,817	3/4	134,474	3/4	145,102	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	113,330	10	124,040	10	134,695	10	145,322	10		10	10	10	10	10	10	10	10	10	10
1/4	113,553	1/4	124,263	1/4	134,917	1/4	145,542	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,776	1/2	124,486	1/2	135,139	1/2	145,761	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,000	3/4	124,709	3/4	135,361	3/4	145,981	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	114,223	11	124,932	11	135,583	11	146,201	11		11	11	11	11	11	11	11	11	11	11
1/4	114,446	1/4	125,154	1/4	135,805	1/4	146,421	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,669	1/2	125,376	1/2	136,027	1/2	146,641	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,892	3/4	125,598	3/4	136,249	3/4	146,861	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: 11/08/2012 CL
CALCULATED: 11/08/2012 CL
PRINTED: 11/09/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2012

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



BARGE "CBC 1354"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 161'-09"

November 9, 2012

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

<http://www.pmacorp.net>



BARGE "CBC 1354"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-06 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	146,435	0	138,768	0	129,341	0	119,896	0	110,435	0	99,835	0	89,065	0	78,295		
1/4	1/4	1/4	146,418	1/4	138,572	1/4	129,145	1/4	119,699	1/4	110,238	1/4	99,611	1/4	88,841	1/4	78,070		
1/2	1/2	1/2	146,402	1/2	138,375	1/2	128,949	1/2	119,502	1/2	110,041	1/2	99,387	1/2	88,617	1/2	77,846		
3/4	3/4	3/4	146,349	3/4	138,178	3/4	128,753	3/4	119,305	3/4	109,844	3/4	99,162	3/4	88,392	3/4	77,621		
1	1	1	146,295	1	137,982	1	128,557	1	119,107	1	109,647	1	98,938	1	88,168	1	77,397		
1/4	1/4	1/4	146,242	1/4	137,785	1/4	128,361	1/4	118,910	1/4	109,450	1/4	98,714	1/4	87,943	1/4	77,172		
1/2	1/2	1/2	146,188	1/2	137,588	1/2	128,165	1/2	118,713	1/2	109,253	1/2	98,489	1/2	87,719	1/2	76,948		
3/4	3/4	3/4	146,097	3/4	137,392	3/4	127,969	3/4	118,516	3/4	109,029	3/4	98,265	3/4	87,495	3/4	76,724		
2	2	2	146,006	2	137,195	2	127,772	2	118,319	2	108,805	2	98,040	2	87,270	2	76,499		
1/4	1/4	1/4	145,915	1/4	136,998	1/4	127,575	1/4	118,122	1/4	108,581	1/4	97,816	1/4	87,046	1/4	76,275		
1/2	1/2	1/2	145,824	1/2	136,802	1/2	127,379	1/2	117,924	1/2	108,357	1/2	97,592	1/2	86,821	1/2	76,050		
3/4	3/4	3/4	145,695	3/4	136,605	3/4	127,182	3/4	117,727	3/4	108,133	3/4	97,367	3/4	86,597	3/4	75,827		
3	3	3	145,567	3	136,408	3	126,985	3	117,530	3	107,909	3	97,143	3	86,373	3	75,603		
1/4	1/4	1/4	145,438	1/4	136,212	1/4	126,789	1/4	117,333	1/4	107,684	1/4	96,918	1/4	86,148	1/4	75,379		
1/2	1/2	1/2	145,310	1/2	136,015	1/2	126,592	1/2	117,136	1/2	107,460	1/2	96,694	1/2	85,924	1/2	75,156		
3/4	3/4	3/4	145,144	3/4	135,818	3/4	126,395	3/4	116,938	3/4	107,236	3/4	96,470	3/4	85,700	3/4	74,933		
4	4	4	144,978	4	135,622	4	126,199	4	116,741	4	107,012	4	96,245	4	85,475	4	74,710		
1/4	1/4	1/4	144,812	1/4	135,425	1/4	126,002	1/4	116,544	1/4	106,788	1/4	96,021	1/4	85,251	1/4	74,487		
1/2	1/2	1/2	144,646	1/2	135,228	1/2	125,805	1/2	116,347	1/2	106,564	1/2	95,797	1/2	85,026	1/2	74,264		
3/4	3/4	3/4	144,442	3/4	135,032	3/4	125,609	3/4	116,150	3/4	106,340	3/4	95,572	3/4	84,802	3/4	74,041		
5	5	5	144,239	5	134,835	5	125,412	5	115,952	5	106,115	5	95,348	5	84,578	5	73,818		
1/4	1/4	1/4	144,035	1/4	134,638	1/4	125,215	1/4	115,755	1/4	105,891	1/4	95,123	1/4	84,353	1/4	73,595		
1/2	1/2	1/2	143,832	1/2	134,442	1/2	125,019	1/2	115,558	1/2	105,667	1/2	94,899	1/2	84,129	1/2	73,372		
3/4	3/4	3/4	143,637	3/4	134,245	3/4	124,822	3/4	115,361	3/4	105,443	3/4	94,675	3/4	83,905	3/4	73,149		
6	6	6	143,443	6	134,048	6	124,626	6	115,164	6	105,219	6	94,450	6	83,680	6	72,926		
1/4	1/4	1/4	143,248	1/4	133,852	1/4	124,429	1/4	114,967	1/4	104,995	1/4	94,226	1/4	83,456	1/4	72,703		
1/2	1/2	1/2	143,053	1/2	133,655	1/2	124,232	1/2	114,769	1/2	104,771	1/2	94,002	1/2	83,231	1/2	72,480		
3/4	3/4	3/4	142,859	3/4	133,458	3/4	124,036	3/4	114,572	3/4	104,547	3/4	93,777	3/4	83,007	3/4	72,257		
7	7	7	142,664	7	133,262	7	123,839	7	114,375	7	104,322	7	93,553	7	82,783	7	72,034		
1/4	1/4	1/4	142,470	1/4	133,065	1/4	123,642	1/4	114,178	1/4	104,098	1/4	93,328	1/4	82,558	1/4	71,811		
1/2	1/2	1/2	142,275	1/2	132,868	1/2	123,446	1/2	113,981	1/2	103,874	1/2	93,104	1/2	82,334	1/2	71,588		
3/4	3/4	3/4	142,080	3/4	132,673	3/4	123,248	3/4	113,784	3/4	103,650	3/4	92,880	3/4	82,110	3/4	71,366		
8	8	8	141,886	8	132,477	8	123,051	8	113,587	8	103,425	8	92,655	8	81,885	8	71,143		
1/4	1/4	1/4	141,691	1/4	132,281	1/4	122,854	1/4	113,390	1/4	103,201	1/4	92,431	1/4	81,661	1/4	70,920		
1/2	1/2	1/2	141,497	1/2	132,085	1/2	122,657	1/2	113,193	1/2	102,977	1/2	92,207	1/2	81,436	1/2	70,697		
3/4	3/4	3/4	141,302	3/4	131,889	3/4	122,460	3/4	112,996	3/4	102,752	3/4	91,982	3/4	81,212	3/4	70,474		
9	9	9	141,108	9	131,693	9	122,262	9	112,799	9	102,528	9	91,758	9	80,987	9	70,251		
1/4	1/4	1/4	140,913	1/4	131,497	1/4	122,065	1/4	112,602	1/4	102,304	1/4	91,533	1/4	80,763	1/4	70,028		
1/2	1/2	1/2	140,718	1/2	131,301	1/2	121,868	1/2	112,405	1/2	102,079	1/2	91,309	1/2	80,539	1/2	69,805		
3/4	3/4	3/4	140,524	3/4	131,105	3/4	121,671	3/4	112,208	3/4	101,855	3/4	91,085	3/4	80,314	3/4	69,582		
10	10	10	140,329	10	130,909	10	121,474	10	112,011	10	101,630	10	90,860	10	80,090	10	69,359		
1/4	1/4	1/4	140,135	1/4	130,713	1/4	121,276	1/4	111,814	1/4	101,406	1/4	90,636	1/4	79,865	1/4	69,136		
1/2	1/2	1/2	139,940	1/2	130,517	1/2	121,079	1/2	111,617	1/2	101,182	1/2	90,412	1/2	79,641	1/2	68,913		
3/4	3/4	3/4	139,745	3/4	130,321	3/4	120,882	3/4	111,420	3/4	100,957	3/4	90,187	3/4	79,417	3/4	68,689		
11	11	11	139,551	11	130,125	11	120,685	11	111,223	11	100,733	11	89,963	11	79,192	11	68,465		
1/4	1/4	1/4	139,356	1/4	129,929	1/4	120,488	1/4	111,026	1/4	100,509	1/4	89,738	1/4	78,968	1/4	68,242		
1/2	1/2	1/2	146,467	1/2	139,162	1/2	129,733	1/2	120,291	1/2	110,829	1/2	100,284	1/2	89,514	1/2	78,743	1/2	68,018
3/4	3/4	3/4	146,451	3/4	138,965	3/4	129,537	3/4	120,093	3/4	110,632	3/4	100,060	3/4	89,290	3/4	78,519	3/4	67,794

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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1354"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-06 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	67,571	0	56,807	0	46,041	0	35,274	0	24,726	0	13,943	0	3,176	0		0		0	
1/4	67,347	1/4	56,583	1/4	45,816	1/4	35,049	1/4	24,507	1/4	13,718	1/4	2,956	1/4	1/4	1/4		1/4	1/4
1/2	67,123	1/2	56,359	1/2	45,592	1/2	34,825	1/2	24,288	1/2	13,493	1/2	2,735	1/2	1/2	1/2		1/2	1/2
3/4	66,899	3/4	56,134	3/4	45,368	3/4	34,601	3/4	24,063	3/4	13,268	3/4	2,530	3/4	3/4	3/4		3/4	3/4
1	66,676	1	55,910	1	45,143	1	34,376	1	23,838	1	13,043	1	2,324	1	1	1		1	1
1/4	66,452	1/4	55,686	1/4	44,919	1/4	34,152	1/4	23,613	1/4	12,818	1/4	2,119	1/4	1/4	1/4		1/4	1/4
1/2	66,228	1/2	55,461	1/2	44,695	1/2	33,928	1/2	23,388	1/2	12,594	1/2	1,913	1/2	1/2	1/2		1/2	1/2
3/4	66,004	3/4	55,237	3/4	44,470	3/4	33,704	3/4	23,163	3/4	12,369	3/4	1,744	3/4	3/4	3/4		3/4	3/4
2	65,780	2	55,013	2	44,246	2	33,479	2	22,938	2	12,144	2	1,576	2	2	2		2	2
1/4	65,555	1/4	54,789	1/4	44,022	1/4	33,255	1/4	22,714	1/4	11,919	1/4	1,407	1/4	1/4	1/4		1/4	1/4
1/2	65,331	1/2	54,564	1/2	43,797	1/2	33,031	1/2	22,489	1/2	11,694	1/2	1,239	1/2	1/2	1/2		1/2	1/2
3/4	65,107	3/4	54,340	3/4	43,573	3/4	32,812	3/4	22,264	3/4	11,469	3/4	1,107	3/4	3/4	3/4		3/4	3/4
3	64,882	3	54,116	3	43,349	3	32,594	3	22,039	3	11,244	3	976	3	3	3		3	3
1/4	64,658	1/4	53,891	1/4	43,125	1/4	32,375	1/4	21,814	1/4	11,019	1/4	845	1/4	1/4	1/4		1/4	1/4
1/2	64,434	1/2	53,667	1/2	42,900	1/2	32,157	1/2	21,589	1/2	10,794	1/2	714	1/2	1/2	1/2		1/2	1/2
3/4	64,210	3/4	53,443	3/4	42,676	3/4	31,938	3/4	21,364	3/4	10,570	3/4	620	3/4	3/4	3/4		3/4	3/4
4	63,985	4	53,218	4	42,452	4	31,720	4	21,139	4	10,345	4	527	4	4	4		4	4
1/4	63,761	1/4	52,994	1/4	42,227	1/4	31,501	1/4	20,914	1/4	10,120	1/4	433	1/4	1/4	1/4		1/4	1/4
1/2	63,537	1/2	52,770	1/2	42,003	1/2	31,283	1/2	20,690	1/2	9,895	1/2	339	1/2	1/2	1/2		1/2	1/2
3/4	63,312	3/4	52,545	3/4	41,779	3/4	31,064	3/4	20,465	3/4	9,670	3/4	283	3/4	3/4	3/4		3/4	3/4
5	63,088	5	52,321	5	41,554	5	30,846	5	20,240	5	9,445	5	227	5	5	5		5	5
1/4	62,864	1/4	52,097	1/4	41,330	1/4	30,627	1/4	20,015	1/4	9,220	1/4	171	1/4	1/4	1/4		1/4	1/4
1/2	62,639	1/2	51,873	1/2	41,106	1/2	30,409	1/2	19,790	1/2	8,995	1/2	114	1/2	1/2	1/2		1/2	1/2
3/4	62,415	3/4	51,648	3/4	40,881	3/4	30,190	3/4	19,565	3/4	8,770	3/4	96	3/4	3/4	3/4		3/4	3/4
6	62,191	6	51,424	6	40,657	6	29,972	6	19,340	6	8,545	6	77	6	6	6		6	6
1/4	61,966	1/4	51,200	1/4	40,433	1/4	29,753	1/4	19,115	1/4	8,321	1/4	58	1/4	1/4	1/4		1/4	1/4
1/2	61,742	1/2	50,975	1/2	40,209	1/2	29,535	1/2	18,890	1/2	8,096	1/2	39	1/2	1/2	1/2		1/2	1/2
3/4	61,518	3/4	50,751	3/4	39,984	3/4	29,316	3/4	18,666	3/4	7,871	3/4		3/4	3/4	3/4		3/4	3/4
7	61,294	7	50,527	7	39,760	7	29,098	7	18,441	7	7,646	7		7	7	7		7	7
1/4	61,069	1/4	50,302	1/4	39,536	1/4	28,879	1/4	18,216	1/4	7,421	1/4		1/4	1/4	1/4		1/4	1/4
1/2	60,845	1/2	50,078	1/2	39,311	1/2	28,661	1/2	17,991	1/2	7,196	1/2		1/2	1/2	1/2		1/2	1/2
3/4	60,621	3/4	49,854	3/4	39,087	3/4	28,442	3/4	17,766	3/4	6,972	3/4		3/4	3/4	3/4		3/4	3/4
8	60,396	8	49,629	8	38,863	8	28,224	8	17,541	8	6,747	8		8	8	8		8	8
1/4	60,172	1/4	49,405	1/4	38,638	1/4	28,005	1/4	17,316	1/4	6,522	1/4		1/4	1/4	1/4		1/4	1/4
1/2	59,948	1/2	49,181	1/2	38,414	1/2	27,787	1/2	17,091	1/2	6,297	1/2		1/2	1/2	1/2		1/2	1/2
3/4	59,723	3/4	48,957	3/4	38,190	3/4	27,568	3/4	16,866	3/4	6,073	3/4		3/4	3/4	3/4		3/4	3/4
9	59,499	9	48,732	9	37,965	9	27,350	9	16,642	9	5,849	9		9	9	9		9	9
1/4	59,275	1/4	48,508	1/4	37,741	1/4	27,131	1/4	16,417	1/4	5,625	1/4		1/4	1/4	1/4		1/4	1/4
1/2	59,050	1/2	48,284	1/2	37,517	1/2	26,913	1/2	16,192	1/2	5,400	1/2		1/2	1/2	1/2		1/2	1/2
3/4	58,826	3/4	48,059	3/4	37,292	3/4	26,694	3/4	15,967	3/4	5,177	3/4		3/4	3/4	3/4		3/4	3/4
10	58,602	10	47,835	10	37,068	10	26,476	10	15,742	10	4,953	10		10	10	10		10	10
1/4	58,377	1/4	47,611	1/4	36,844	1/4	26,257	1/4	15,517	1/4	4,730	1/4		1/4	1/4	1/4		1/4	1/4
1/2	58,153	1/2	47,386	1/2	36,620	1/2	26,039	1/2	15,292	1/2	4,506	1/2		1/2	1/2	1/2		1/2	1/2
3/4	57,929	3/4	47,162	3/4	36,395	3/4	25,820	3/4	15,067	3/4	4,284	3/4		3/4	3/4	3/4		3/4	3/4
11	57,705	11	46,938	11	36,171	11	25,601	11	14,842	11	4,062	11		11	11	11		11	11
1/4	57,480	1/4	46,713	1/4	35,947	1/4	25,382	1/4	14,618	1/4	3,839	1/4		1/4	1/4	1/4		1/4	1/4
1/2	57,256	1/2	46,489	1/2	35,722	1/2	25,163	1/2	14,393	1/2	3,617	1/2		1/2	1/2	1/2		1/2	1/2
3/4	57,032	3/4	46,265	3/4	35,498	3/4	24,944	3/4	14,168	3/4	3,396	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/08/2012 CL
CALCULATED: 11/08/2012 CL
PRINTED: 11/09/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2012

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



BARGE "CBC 1354"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-06 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	169,369	0	160,264	0	148,263	0	136,238	0	124,170	0	112,102	0	100,033	0	87,964		
1/4	1/4	1/4	169,352	1/4	160,014	1/4	148,013	1/4	135,987	1/4	123,918	1/4	111,850	1/4	99,782	1/4	87,713		
1/2	1/2	1/2	169,335	1/2	159,764	1/2	147,763	1/2	135,735	1/2	123,667	1/2	111,599	1/2	99,531	1/2	87,462		
3/4	3/4	3/4	169,318	3/4	159,514	3/4	147,513	3/4	135,484	3/4	123,416	3/4	111,347	3/4	99,279	3/4	87,210		
1	1	1	169,259	1	159,264	1	147,263	1	135,232	1	123,164	1	111,096	1	99,028	1	86,959		
1/4	1/4	1/4	169,200	1/4	159,014	1/4	147,013	1/4	134,981	1/4	122,913	1/4	110,844	1/4	98,776	1/4	86,707		
1/2	1/2	1/2	169,140	1/2	158,764	1/2	146,763	1/2	134,729	1/2	122,661	1/2	110,593	1/2	98,525	1/2	86,456		
3/4	3/4	3/4	169,081	3/4	158,514	3/4	146,513	3/4	134,478	3/4	122,410	3/4	110,342	3/4	98,273	3/4	86,204		
2	2	2	168,980	2	158,264	2	146,263	2	134,227	2	122,158	2	110,090	2	98,022	2	85,953		
1/4	1/4	1/4	168,879	1/4	158,014	1/4	146,013	1/4	133,975	1/4	121,907	1/4	109,839	1/4	97,771	1/4	85,701		
1/2	1/2	1/2	168,778	1/2	157,764	1/2	145,763	1/2	133,724	1/2	121,656	1/2	109,587	1/2	97,519	1/2	85,450		
3/4	3/4	3/4	168,677	3/4	157,514	3/4	145,513	3/4	133,472	3/4	121,404	3/4	109,336	3/4	97,268	3/4	85,198		
3	3	3	168,534	3	157,264	3	145,263	3	133,221	3	121,153	3	109,085	3	97,016	3	84,947		
1/4	1/4	1/4	168,391	1/4	157,014	1/4	145,013	1/4	132,970	1/4	120,901	1/4	108,833	1/4	96,765	1/4	84,695		
1/2	1/2	1/2	168,248	1/2	156,764	1/2	144,763	1/2	132,718	1/2	120,650	1/2	108,582	1/2	96,513	1/2	84,444		
3/4	3/4	3/4	168,105	3/4	156,514	3/4	144,513	3/4	132,467	3/4	120,398	3/4	108,330	3/4	96,262	3/4	84,192		
4	4	4	167,921	4	156,264	4	144,262	4	132,215	4	120,147	4	108,079	4	96,011	4	83,941		
1/4	1/4	1/4	167,736	1/4	156,014	1/4	144,012	1/4	131,964	1/4	119,896	1/4	107,827	1/4	95,759	1/4	83,690		
1/2	1/2	1/2	167,551	1/2	155,764	1/2	143,762	1/2	131,712	1/2	119,644	1/2	107,576	1/2	95,508	1/2	83,438		
3/4	3/4	3/4	167,366	3/4	155,514	3/4	143,512	3/4	131,461	3/4	119,393	3/4	107,325	3/4	95,256	3/4	83,187		
5	5	5	167,139	5	155,263	5	143,262	5	131,210	5	119,141	5	107,073	5	95,005	5	82,935		
1/4	1/4	1/4	166,913	1/4	155,013	1/4	143,012	1/4	130,958	1/4	118,890	1/4	106,822	1/4	94,754	1/4	82,684		
1/2	1/2	1/2	166,686	1/2	154,763	1/2	142,762	1/2	130,707	1/2	118,639	1/2	106,570	1/2	94,502	1/2	82,432		
3/4	3/4	3/4	166,459	3/4	154,513	3/4	142,512	3/4	130,455	3/4	118,387	3/4	106,319	3/4	94,251	3/4	82,181		
6	6	6	166,211	6	154,263	6	142,262	6	130,204	6	118,136	6	106,067	6	93,999	6	81,929		
1/4	1/4	1/4	165,964	1/4	154,013	1/4	142,012	1/4	129,952	1/4	117,884	1/4	105,816	1/4	93,748	1/4	81,678		
1/2	1/2	1/2	165,716	1/2	153,763	1/2	141,762	1/2	129,701	1/2	117,633	1/2	105,565	1/2	93,496	1/2	81,426		
3/4	3/4	3/4	165,468	3/4	153,513	3/4	141,512	3/4	129,450	3/4	117,381	3/4	105,313	3/4	93,245	3/4	81,175		
7	7	7	165,221	7	153,263	7	141,262	7	129,198	7	117,130	7	105,062	7	92,994	7	80,923		
1/4	1/4	1/4	164,973	1/4	153,013	1/4	141,012	1/4	128,947	1/4	116,879	1/4	104,810	1/4	92,742	1/4	80,672		
1/2	1/2	1/2	164,725	1/2	152,763	1/2	140,762	1/2	128,695	1/2	116,627	1/2	104,559	1/2	92,491	1/2	80,421		
3/4	3/4	3/4	164,477	3/4	152,513	3/4	140,512	3/4	128,444	3/4	116,376	3/4	104,308	3/4	92,239	3/4	80,169		
8	8	8	164,230	8	152,263	8	140,261	8	128,193	8	116,124	8	104,056	8	91,988	8	79,918		
1/4	1/4	1/4	163,982	1/4	152,013	1/4	140,009	1/4	127,941	1/4	115,873	1/4	103,805	1/4	91,736	1/4	79,666		
1/2	1/2	1/2	163,734	1/2	151,763	1/2	139,758	1/2	127,690	1/2	115,621	1/2	103,553	1/2	91,485	1/2	79,415		
3/4	3/4	3/4	163,487	3/4	151,513	3/4	139,506	3/4	127,438	3/4	115,370	3/4	103,302	3/4	91,233	3/4	79,163		
9	9	9	163,239	9	151,263	9	139,255	9	127,187	9	115,119	9	103,050	9	90,982	9	78,912		
1/4	1/4	1/4	162,991	1/4	151,013	1/4	139,004	1/4	126,935	1/4	114,867	1/4	102,799	1/4	90,731	1/4	78,660		
1/2	1/2	1/2	162,743	1/2	150,763	1/2	138,752	1/2	126,684	1/2	114,616	1/2	102,548	1/2	90,479	1/2	78,409		
3/4	3/4	3/4	162,496	3/4	150,513	3/4	138,501	3/4	126,433	3/4	114,364	3/4	102,296	3/4	90,228	3/4	78,157		
10	10	10	162,248	10	150,263	10	138,249	10	126,181	10	114,113	10	102,045	10	89,976	10	77,906		
1/4	1/4	1/4	162,000	1/4	150,013	1/4	137,998	1/4	125,930	1/4	113,862	1/4	101,793	1/4	89,725	1/4	77,654		
1/2	1/2	1/2	161,753	1/2	149,763	1/2	137,747	1/2	125,678	1/2	113,610	1/2	101,542	1/2	89,473	1/2	77,403		
3/4	3/4	3/4	161,505	3/4	149,513	3/4	137,495	3/4	125,427	3/4	113,359	3/4	101,290	3/4	89,222	3/4	77,151		
11	11	11	161,257	11	149,263	11	137,244	11	125,175	11	113,107	11	101,039	11	88,970	11	76,900		
1/4	1/4	1/4	161,009	1/4	149,013	1/4	136,992	1/4	124,924	1/4	112,856	1/4	100,788	1/4	88,719	1/4	76,649		
1/2	1/2	1/2	160,762	1/2	148,763	1/2	136,741	1/2	124,673	1/2	112,604	1/2	100,536	1/2	88,467	1/2	76,397		
3/4	3/4	3/4	169,387	3/4	160,514	3/4	148,513	3/4	136,489	3/4	124,421	3/4	112,353	3/4	100,285	3/4	88,216	3/4	76,146

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 29'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1354"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-06 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	75,894	0	63,824	0	51,754	0	39,683	0	27,907	0	15,837	0	3,793	0		0		0	
1/4	75,643	1/4	63,572	1/4	51,502	1/4	39,432	1/4	27,655	1/4	15,585	1/4	3,547	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,391	1/2	63,321	1/2	51,251	1/2	39,180	1/2	27,404	1/2	15,334	1/2	3,300	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,140	3/4	63,070	3/4	50,999	3/4	38,929	3/4	27,152	3/4	15,083	3/4	3,054	3/4	3/4	3/4	3/4	3/4	3/4
1	74,888	1	62,818	1	50,748	1	38,677	1	26,901	1	14,831	1	2,824	1	1	1	1	1	1
1/4	74,637	1/4	62,567	1/4	50,496	1/4	38,426	1/4	26,650	1/4	14,580	1/4	2,594	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,385	1/2	62,315	1/2	50,245	1/2	38,175	1/2	26,398	1/2	14,328	1/2	2,364	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,134	3/4	62,064	3/4	49,993	3/4	37,923	3/4	26,147	3/4	14,077	3/4	2,135	3/4	3/4	3/4	3/4	3/4	3/4
2	73,882	2	61,812	2	49,742	2	37,679	2	25,895	2	13,825	2	1,946	2	2	2	2	2	2
1/4	73,631	1/4	61,561	1/4	49,490	1/4	37,434	1/4	25,644	1/4	13,574	1/4	1,757	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,380	1/2	61,309	1/2	49,239	1/2	37,190	1/2	25,392	1/2	13,322	1/2	1,569	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,128	3/4	61,058	3/4	48,988	3/4	36,945	3/4	25,141	3/4	13,071	3/4	1,380	3/4	3/4	3/4	3/4	3/4	3/4
3	72,877	3	60,806	3	48,736	3	36,701	3	24,889	3	12,819	3	1,234	3	3	3	3	3	3
1/4	72,625	1/4	60,555	1/4	48,485	1/4	36,457	1/4	24,638	1/4	12,568	1/4	1,087	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,374	1/2	60,303	1/2	48,233	1/2	36,213	1/2	24,386	1/2	12,317	1/2	940	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,122	3/4	60,052	3/4	47,982	3/4	35,969	3/4	24,135	3/4	12,065	3/4	794	3/4	3/4	3/4	3/4	3/4	3/4
4	71,871	4	59,800	4	47,730	4	35,725	4	23,884	4	11,814	4	689	4	4	4	4	4	4
1/4	71,619	1/4	59,549	1/4	47,479	1/4	35,481	1/4	23,632	1/4	11,562	1/4	584	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,368	1/2	59,298	1/2	47,227	1/2	35,237	1/2	23,381	1/2	11,311	1/2	479	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,116	3/4	59,046	3/4	46,976	3/4	34,993	3/4	23,129	3/4	11,059	3/4	374	3/4	3/4	3/4	3/4	3/4	3/4
5	70,865	5	58,795	5	46,724	5	34,749	5	22,878	5	10,808	5	312	5	5	5	5	5	5
1/4	70,613	1/4	58,543	1/4	46,473	1/4	34,505	1/4	22,626	1/4	10,556	1/4	249	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,362	1/2	58,292	1/2	46,221	1/2	34,261	1/2	22,375	1/2	10,305	1/2	186	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,111	3/4	58,040	3/4	45,970	3/4	34,017	3/4	22,123	3/4	10,053	3/4	123	3/4	3/4	3/4	3/4	3/4	3/4
6	69,859	6	57,789	6	45,718	6	33,773	6	21,872	6	9,802	6	102	6	6	6	6	6	6
1/4	69,608	1/4	57,537	1/4	45,467	1/4	33,529	1/4	21,620	1/4	9,551	1/4	81	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,356	1/2	57,286	1/2	45,216	1/2	33,285	1/2	21,369	1/2	9,299	1/2	60	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,105	3/4	57,034	3/4	44,964	3/4	33,041	3/4	21,118	3/4	9,048	3/4	39	3/4	3/4	3/4	3/4	3/4	3/4
7	68,853	7	56,783	7	44,713	7	32,797	7	20,866	7	8,796	7		7	7	7	7	7	7
1/4	68,602	1/4	56,531	1/4	44,461	1/4	32,553	1/4	20,615	1/4	8,545	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,350	1/2	56,280	1/2	44,210	1/2	32,309	1/2	20,363	1/2	8,293	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,099	3/4	56,029	3/4	43,958	3/4	32,064	3/4	20,112	3/4	8,042	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	67,847	8	55,777	8	43,707	8	31,820	8	19,860	8	7,791	8	8	8	8	8	8	8	8
1/4	67,596	1/4	55,526	1/4	43,455	1/4	31,576	1/4	19,609	1/4	7,539	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,344	1/2	55,274	1/2	43,204	1/2	31,332	1/2	19,357	1/2	7,288	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,093	3/4	55,023	3/4	42,952	3/4	31,088	3/4	19,106	3/4	7,037	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	66,841	9	54,771	9	42,701	9	30,844	9	18,854	9	6,786	9	9	9	9	9	9	9	9
1/4	66,590	1/4	54,520	1/4	42,449	1/4	30,600	1/4	18,603	1/4	6,536	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,339	1/2	54,268	1/2	42,198	1/2	30,356	1/2	18,351	1/2	6,285	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,087	3/4	54,017	3/4	41,947	3/4	30,112	3/4	18,100	3/4	6,034	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	65,836	10	53,765	10	41,695	10	29,868	10	17,849	10	5,784	10	10	10	10	10	10	10	10
1/4	65,584	1/4	53,514	1/4	41,444	1/4	29,624	1/4	17,597	1/4	5,534	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,333	1/2	53,262	1/2	41,192	1/2	29,380	1/2	17,346	1/2	5,284	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,081	3/4	53,011	3/4	40,941	3/4	29,136	3/4	17,094	3/4	5,034	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	64,830	11	52,759	11	40,689	11	28,891	11	16,843	11	4,786	11	11	11	11	11	11	11	11
1/4	64,578	1/4	52,508	1/4	40,438	1/4	28,647	1/4	16,591	1/4	4,537	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,327	1/2	52,257	1/2	40,186	1/2	28,403	1/2	16,340	1/2	4,288	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,075	3/4	52,005	3/4	39,935	3/4	28,158	3/4	16,088	3/4	4,040	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/08/2012 CL
CALCULATED: 11/08/2012 CL
PRINTED: 11/09/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2012

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



BARGE "CBC 1354"

3 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	143,123	0	132,477	0	121,809	0	111,099	0	100,389	0	89,680	0	78,970
1/4	1/4	1/4	1/4	1/4	1/4	1/4	142,903	1/4	132,255	1/4	121,585	1/4	110,876	1/4	100,166	1/4	89,457	1/4	78,747
1/2	1/2	1/2	1/2	1/2	1/2	1/2	150,558	1/2	142,684	1/2	132,033	1/2	121,362	1/2	110,653	1/2	99,943	1/2	89,234
3/4	3/4	3/4	3/4	3/4	3/4	3/4	150,543	3/4	142,462	3/4	131,811	3/4	121,139	3/4	110,430	3/4	99,720	3/4	89,011
1		1		1		1	150,528	1	142,240	1	131,589	1	120,916	1	110,207	1	99,497	1	88,787
1/4	1/4	1/4	1/4	1/4	1/4	1/4	150,512	1/4	142,018	1/4	131,367	1/4	120,693	1/4	109,983	1/4	99,274	1/4	88,564
1/2	1/2	1/2	1/2	1/2	1/2	1/2	150,497	1/2	141,796	1/2	131,145	1/2	120,470	1/2	109,760	1/2	99,051	1/2	88,341
3/4	3/4	3/4	3/4	3/4	3/4	3/4	150,445	3/4	141,574	3/4	130,923	3/4	120,247	3/4	109,537	3/4	98,828	3/4	88,118
2		2		2		2	150,392	2	141,352	2	130,701	2	120,024	2	109,314	2	98,605	2	87,895
1/4	1/4	1/4	1/4	1/4	1/4	1/4	150,340	1/4	141,130	1/4	130,479	1/4	119,801	1/4	109,091	1/4	98,381	1/4	87,672
1/2	1/2	1/2	1/2	1/2	1/2	1/2	150,287	1/2	140,908	1/2	130,258	1/2	119,577	1/2	108,868	1/2	98,158	1/2	87,449
3/4	3/4	3/4	3/4	3/4	3/4	3/4	150,197	3/4	140,687	3/4	130,036	3/4	119,354	3/4	108,645	3/4	97,935	3/4	87,226
3		3		3		3	150,108	3	140,465	3	129,814	3	119,131	3	108,422	3	97,712	3	87,002
1/4	1/4	1/4	1/4	1/4	1/4	1/4	150,018	1/4	140,243	1/4	129,592	1/4	118,908	1/4	108,198	1/4	97,489	1/4	86,779
1/2	1/2	1/2	1/2	1/2	1/2	1/2	149,928	1/2	140,021	1/2	129,370	1/2	118,685	1/2	107,975	1/2	97,266	1/2	86,556
3/4	3/4	3/4	3/4	3/4	3/4	3/4	149,802	3/4	139,799	3/4	129,148	3/4	118,462	3/4	107,752	3/4	97,043	3/4	86,333
4		4		4		4	149,675	4	139,577	4	128,926	4	118,239	4	107,529	4	96,820	4	86,110
1/4	1/4	1/4	1/4	1/4	1/4	1/4	149,548	1/4	139,355	1/4	128,704	1/4	118,016	1/4	107,306	1/4	96,596	1/4	85,887
1/2	1/2	1/2	1/2	1/2	1/2	1/2	149,421	1/2	139,133	1/2	128,482	1/2	117,792	1/2	107,083	1/2	96,373	1/2	85,664
3/4	3/4	3/4	3/4	3/4	3/4	3/4	149,257	3/4	138,911	3/4	128,261	3/4	117,569	3/4	106,860	3/4	96,150	3/4	85,441
5		5		5		5	149,093	5	138,690	5	128,039	5	117,346	5	106,637	5	95,927	5	85,218
1/4	1/4	1/4	1/4	1/4	1/4	1/4	148,929	1/4	138,468	1/4	127,817	1/4	117,123	1/4	106,414	1/4	95,704	1/4	84,994
1/2	1/2	1/2	1/2	1/2	1/2	1/2	148,765	1/2	138,246	1/2	127,595	1/2	116,900	1/2	106,190	1/2	95,481	1/2	84,771
3/4	3/4	3/4	3/4	3/4	3/4	3/4	148,564	3/4	138,024	3/4	127,373	3/4	116,677	3/4	105,967	3/4	95,258	3/4	84,548
6		6		6		6	148,362	6	137,802	6	127,151	6	116,454	6	105,744	6	95,035	6	84,325
1/4	1/4	1/4	1/4	1/4	1/4	1/4	148,161	1/4	137,580	1/4	126,929	1/4	116,231	1/4	105,521	1/4	94,812	1/4	84,102
1/2	1/2	1/2	1/2	1/2	1/2	1/2	147,960	1/2	137,358	1/2	126,707	1/2	116,008	1/2	105,298	1/2	94,588	1/2	83,879
3/4	3/4	3/4	3/4	3/4	3/4	3/4	147,740	3/4	137,136	3/4	126,485	3/4	115,784	3/4	105,075	3/4	94,365	3/4	83,656
7		7		7		7	147,520	7	136,914	7	126,264	7	115,561	7	104,852	7	94,142	7	83,433
1/4	1/4	1/4	1/4	1/4	1/4	1/4	147,300	1/4	136,692	1/4	126,042	1/4	115,338	1/4	104,629	1/4	93,919	1/4	83,210
1/2	1/2	1/2	1/2	1/2	1/2	1/2	147,080	1/2	136,471	1/2	125,820	1/2	115,115	1/2	104,406	1/2	93,696	1/2	82,986
3/4	3/4	3/4	3/4	3/4	3/4	3/4	146,861	3/4	136,249	3/4	125,598	3/4	114,892	3/4	104,182	3/4	93,473	3/4	82,763
8		8		8		8	146,641	8	136,027	8	125,376	8	114,669	8	103,959	8	93,250	8	82,540
1/4	1/4	1/4	1/4	1/4	1/4	1/4	146,421	1/4	135,805	1/4	125,154	1/4	114,446	1/4	103,736	1/4	93,027	1/4	82,317
1/2	1/2	1/2	1/2	1/2	1/2	1/2	146,201	1/2	135,583	1/2	124,932	1/2	114,223	1/2	103,513	1/2	92,803	1/2	82,094
3/4	3/4	3/4	3/4	3/4	3/4	3/4	145,981	3/4	135,361	3/4	124,709	3/4	114,000	3/4	103,290	3/4	92,580	3/4	81,871
9		9		9		9	145,761	9	135,139	9	124,486	9	113,776	9	103,067	9	92,357	9	81,648
1/4	1/4	1/4	1/4	1/4	1/4	1/4	145,542	1/4	134,917	1/4	124,263	1/4	113,553	1/4	102,844	1/4	92,134	1/4	81,424
1/2	1/2	1/2	1/2	1/2	1/2	1/2	145,322	1/2	134,695	1/2	124,040	1/2	113,330	1/2	102,621	1/2	91,911	1/2	81,201
3/4	3/4	3/4	3/4	3/4	3/4	3/4	145,102	3/4	134,474	3/4	123,817	3/4	113,107	3/4	102,397	3/4	91,688	3/4	80,978
10		10		10		10	144,882	10	134,252	10	123,593	10	112,884	10	102,174	10	91,465	10	80,755
1/4	1/4	1/4	1/4	1/4	1/4	1/4	144,662	1/4	134,030	1/4	123,370	1/4	112,661	1/4	101,951	1/4	91,242	1/4	80,532
1/2	1/2	1/2	1/2	1/2	1/2	1/2	144,442	1/2	133,808	1/2	123,147	1/2	112,438	1/2	101,728	1/2	91,019	1/2	80,309
3/4	3/4	3/4	3/4	3/4	3/4	3/4	144,222	3/4	133,586	3/4	122,924	3/4	112,215	3/4	101,505	3/4	90,795	3/4	80,086
11		11		11		11	144,003	11	133,364	11	122,701	11	111,991	11	101,282	11	90,572	11	79,862
1/4	1/4	1/4	1/4	1/4	1/4	1/4	143,783	1/4	133,142	1/4	122,478	1/4	111,768	1/4	101,059	1/4	90,349	1/4	79,639
1/2	1/2	1/2	1/2	1/2	1/2	1/2	143,563	1/2	132,920	1/2	122,255	1/2	111,545	1/2	100,836	1/2	90,126	1/2	79,416
3/4	3/4	3/4	3/4	3/4	3/4	3/4	143,343	3/4	132,698	3/4	122,032	3/4	111,322	3/4	100,613	3/4	89,903	3/4	79,193

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'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1354"

3 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	68,258	0	57,547	0	46,836	0	36,124	0	25,437	0	14,728	0	4,031	0		0		0	
1/4	68,035	1/4	57,324	1/4	46,613	1/4	35,901	1/4	25,214	1/4	14,505	1/4	3,810	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,812	1/2	57,101	1/2	46,389	1/2	35,678	1/2	24,991	1/2	14,281	1/2	3,589	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,589	3/4	56,878	3/4	46,166	3/4	35,455	3/4	24,768	3/4	14,058	3/4	3,371	3/4	3/4	3/4	3/4	3/4	3/4
1	67,366	1	56,654	1	45,943	1	35,232	1	24,545	1	13,835	1	3,152	1	1	1	1	1	1
1/4	67,143	1/4	56,431	1/4	45,720	1/4	35,009	1/4	24,323	1/4	13,612	1/4	2,933	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,919	1/2	56,208	1/2	45,497	1/2	34,785	1/2	24,100	1/2	13,389	1/2	2,715	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,696	3/4	55,985	3/4	45,274	3/4	34,562	3/4	23,877	3/4	13,166	3/4	2,511	3/4	3/4	3/4	3/4	3/4	3/4
2	66,473	2	55,762	2	45,050	2	34,339	2	23,654	2	12,943	2	2,307	2	2	2	2	2	2
1/4	66,250	1/4	55,539	1/4	44,827	1/4	34,116	1/4	23,430	1/4	12,719	1/4	2,103	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,027	1/2	55,315	1/2	44,604	1/2	33,893	1/2	23,207	1/2	12,496	1/2	1,899	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,804	3/4	55,092	3/4	44,381	3/4	33,670	3/4	22,984	3/4	12,273	3/4	1,731	3/4	3/4	3/4	3/4	3/4	3/4
3	65,581	3	54,869	3	44,158	3	33,446	3	22,761	3	12,050	3	1,564	3	3	3	3	3	3
1/4	65,357	1/4	54,646	1/4	43,935	1/4	33,223	1/4	22,538	1/4	11,827	1/4	1,397	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,134	1/2	54,423	1/2	43,712	1/2	33,000	1/2	22,315	1/2	11,604	1/2	1,229	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,911	3/4	54,200	3/4	43,488	3/4	32,778	3/4	22,092	3/4	11,381	3/4	1,099	3/4	3/4	3/4	3/4	3/4	3/4
4	64,688	4	53,977	4	43,265	4	32,555	4	21,868	4	11,157	4	969	4	4	4	4	4	4
1/4	64,465	1/4	53,753	1/4	43,042	1/4	32,333	1/4	21,645	1/4	10,934	1/4	839	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,242	1/2	53,530	1/2	42,819	1/2	32,110	1/2	21,422	1/2	10,711	1/2	709	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,018	3/4	53,307	3/4	42,596	3/4	31,888	3/4	21,199	3/4	10,488	3/4	616	3/4	3/4	3/4	3/4	3/4	3/4
5	63,795	5	53,084	5	42,373	5	31,666	5	20,976	5	10,265	5	523	5	5	5	5	5	5
1/4	63,572	1/4	52,861	1/4	42,149	1/4	31,443	1/4	20,753	1/4	10,042	1/4	430	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,349	1/2	52,638	1/2	41,926	1/2	31,221	1/2	20,530	1/2	9,819	1/2	337	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,126	3/4	52,414	3/4	41,703	3/4	30,998	3/4	20,306	3/4	9,595	3/4	281	3/4	3/4	3/4	3/4	3/4	3/4
6	62,903	6	52,191	6	41,480	6	30,776	6	20,083	6	9,372	6	225	6	6	6	6	6	6
1/4	62,680	1/4	51,968	1/4	41,257	1/4	30,553	1/4	19,860	1/4	9,149	1/4	169	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,456	1/2	51,745	1/2	41,034	1/2	30,331	1/2	19,637	1/2	8,926	1/2	114	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,233	3/4	51,522	3/4	40,811	3/4	30,108	3/4	19,414	3/4	8,703	3/4	95	3/4	3/4	3/4	3/4	3/4	3/4
7	62,010	7	51,299	7	40,587	7	29,886	7	19,191	7	8,480	7	76	7	7	7	7	7	7
1/4	61,787	1/4	51,076	1/4	40,364	1/4	29,664	1/4	18,968	1/4	8,257	1/4	58	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,564	1/2	50,852	1/2	40,141	1/2	29,441	1/2	18,744	1/2	8,033	1/2	39	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,341	3/4	50,629	3/4	39,918	3/4	29,219	3/4	18,521	3/4	7,810	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	61,117	8	50,406	8	39,695	8	28,996	8	18,298	8	7,587	8		8	8	8	8	8	8
1/4	60,894	1/4	50,183	1/4	39,472	1/4	28,774	1/4	18,075	1/4	7,364	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,671	1/2	49,960	1/2	39,248	1/2	28,551	1/2	17,852	1/2	7,141	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,448	3/4	49,737	3/4	39,025	3/4	28,329	3/4	17,629	3/4	6,918	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	60,225	9	49,514	9	38,802	9	28,107	9	17,405	9	6,695	9		9	9	9	9	9	9
1/4	60,002	1/4	49,290	1/4	38,579	1/4	27,884	1/4	17,182	1/4	6,472	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,779	1/2	49,067	1/2	38,356	1/2	27,662	1/2	16,959	1/2	6,249	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,555	3/4	48,844	3/4	38,133	3/4	27,439	3/4	16,736	3/4	6,027	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	59,332	10	48,621	10	37,910	10	27,217	10	16,513	10	5,804	10		10	10	10	10	10	10
1/4	59,109	1/4	48,398	1/4	37,686	1/4	26,994	1/4	16,290	1/4	5,582	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,886	1/2	48,175	1/2	37,463	1/2	26,772	1/2	16,067	1/2	5,359	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,663	3/4	47,951	3/4	37,240	3/4	26,549	3/4	15,843	3/4	5,137	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	58,440	11	47,728	11	37,017	11	26,327	11	15,620	11	4,916	11		11	11	11	11	11	11
1/4	58,216	1/4	47,505	1/4	36,794	1/4	26,105	1/4	15,397	1/4	4,694	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,993	1/2	47,282	1/2	36,571	1/2	25,882	1/2	15,174	1/2	4,472	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,770	3/4	47,059	3/4	36,347	3/4	25,659	3/4	14,951	3/4	4,251	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/08/2012 CL
CALCULATED: 11/08/2012 CL
PRINTED: 11/09/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2012

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