



BARGE "CBC 1304"

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	- 00-1/8	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
2 CENTER	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4
3 CENTER	- 00-1/8	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	- 00-1/2	00-1/2

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

LENGTH BETWEEN DRAFT MARKS: 159'-06"

June 17, 2008

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

<http://www.pmacorp.net>



BARGE "CBC 1304"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	26	0	7,971	0	18,429	0	28,951	0	39,598	0	50,244	0	60,890	0	71,537	0	82,183	0	92,829
1/4	45	1/4	8,193	1/4	18,643	1/4	29,173	1/4	39,819	1/4	50,466	1/4	61,112	1/4	71,758	1/4	82,405	1/4	93,051
1/2	63	1/2	8,415	1/2	18,857	1/2	29,395	1/2	40,041	1/2	50,688	1/2	61,334	1/2	71,980	1/2	82,627	1/2	93,273
3/4	82	3/4	8,637	3/4	19,071	3/4	29,617	3/4	40,263	3/4	50,909	3/4	61,556	3/4	72,202	3/4	82,848	3/4	93,495
1	100	1	8,859	1	19,285	1	29,838	1	40,485	1	51,131	1	61,778	1	72,424	1	83,070	1	93,717
1/4	156	1/4	9,080	1/4	19,499	1/4	30,060	1/4	40,707	1/4	51,353	1/4	61,999	1/4	72,646	1/4	83,292	1/4	93,938
1/2	211	1/2	9,302	1/2	19,713	1/2	30,282	1/2	40,928	1/2	51,575	1/2	62,221	1/2	72,867	1/2	83,514	1/2	94,160
3/4	267	3/4	9,524	3/4	19,927	3/4	30,504	3/4	41,150	3/4	51,797	3/4	62,443	3/4	73,089	3/4	83,736	3/4	94,382
2	322	2	9,746	2	20,141	2	30,726	2	41,372	2	52,018	2	62,665	2	73,311	2	83,957	2	94,604
1/4	414	1/4	9,967	1/4	20,355	1/4	30,947	1/4	41,594	1/4	52,240	1/4	62,887	1/4	73,533	1/4	84,179	1/4	94,826
1/2	507	1/2	10,189	1/2	20,569	1/2	31,169	1/2	41,816	1/2	52,462	1/2	63,108	1/2	73,755	1/2	84,401	1/2	95,047
3/4	599	3/4	10,411	3/4	20,783	3/4	31,391	3/4	42,037	3/4	52,684	3/4	63,330	3/4	73,976	3/4	84,623	3/4	95,269
3	692	3	10,633	3	20,997	3	31,613	3	42,259	3	52,906	3	63,552	3	74,198	3	84,845	3	95,491
1/4	821	1/4	10,855	1/4	21,211	1/4	31,835	1/4	42,481	1/4	53,127	1/4	63,774	1/4	74,420	1/4	85,066	1/4	95,713
1/2	950	1/2	11,076	1/2	21,425	1/2	32,056	1/2	42,703	1/2	53,349	1/2	63,996	1/2	74,642	1/2	85,288	1/2	95,935
3/4	1,080	3/4	11,298	3/4	21,639	3/4	32,278	3/4	42,925	3/4	53,571	3/4	64,217	3/4	74,864	3/4	85,510	3/4	96,156
4	1,209	4	11,520	4	21,854	4	32,500	4	43,146	4	53,793	4	64,439	4	75,085	4	85,732	4	96,378
1/4	1,375	1/4	11,742	1/4	22,075	1/4	32,722	1/4	43,368	1/4	54,015	1/4	64,661	1/4	75,307	1/4	85,954	1/4	96,600
1/2	1,542	1/2	11,963	1/2	22,297	1/2	32,944	1/2	43,590	1/2	54,236	1/2	64,883	1/2	75,529	1/2	86,175	1/2	96,822
3/4	1,708	3/4	12,185	3/4	22,519	3/4	33,165	3/4	43,812	3/4	54,458	3/4	65,105	3/4	75,751	3/4	86,397	3/4	97,044
5	1,874	5	12,407	5	22,741	5	33,387	5	44,034	5	54,680	5	65,326	5	75,973	5	86,619	5	97,265
1/4	2,077	1/4	12,629	1/4	22,963	1/4	33,609	1/4	44,255	1/4	54,902	1/4	65,548	1/4	76,194	1/4	86,841	1/4	97,487
1/2	2,280	1/2	12,850	1/2	23,184	1/2	33,831	1/2	44,477	1/2	55,124	1/2	65,770	1/2	76,416	1/2	87,063	1/2	97,709
3/4	2,482	3/4	13,072	3/4	23,406	3/4	34,053	3/4	44,699	3/4	55,345	3/4	65,992	3/4	76,638	3/4	87,284	3/4	97,931
6	2,685	6	13,294	6	23,628	6	34,274	6	44,921	6	55,567	6	66,214	6	76,860	6	87,506	6	98,153
1/4	2,903	1/4	13,508	1/4	23,850	1/4	34,496	1/4	45,143	1/4	55,789	1/4	66,435	1/4	77,082	1/4	87,728	1/4	98,374
1/2	3,120	1/2	13,722	1/2	24,072	1/2	34,718	1/2	45,364	1/2	56,011	1/2	66,657	1/2	77,303	1/2	87,950	1/2	98,596
3/4	3,337	3/4	13,937	3/4	24,293	3/4	34,940	3/4	45,586	3/4	56,233	3/4	66,879	3/4	77,525	3/4	88,172	3/4	98,818
7	3,555	7	14,151	7	24,515	7	35,162	7	45,808	7	56,454	7	67,101	7	77,747	7	88,393	7	99,040
1/4	3,774	1/4	14,365	1/4	24,737	1/4	35,383	1/4	46,030	1/4	56,676	1/4	67,323	1/4	77,969	1/4	88,615	1/4	99,261
1/2	3,993	1/2	14,579	1/2	24,959	1/2	35,605	1/2	46,252	1/2	56,898	1/2	67,544	1/2	78,191	1/2	88,837	1/2	99,483
3/4	4,212	3/4	14,793	3/4	25,181	3/4	35,827	3/4	46,473	3/4	57,120	3/4	67,766	3/4	78,412	3/4	89,059	3/4	99,705
8	4,432	8	15,007	8	25,402	8	36,049	8	46,695	8	57,342	8	67,988	8	78,634	8	89,281	8	99,927
1/4	4,652	1/4	15,221	1/4	25,624	1/4	36,271	1/4	46,917	1/4	57,563	1/4	68,210	1/4	78,856	1/4	89,502	1/4	100,148
1/2	4,873	1/2	15,434	1/2	25,846	1/2	36,492	1/2	47,139	1/2	57,785	1/2	68,431	1/2	79,078	1/2	89,724	1/2	100,370
3/4	5,093	3/4	15,648	3/4	26,068	3/4	36,714	3/4	47,361	3/4	58,007	3/4	68,653	3/4	79,300	3/4	89,946	3/4	100,592
9	5,313	9	15,862	9	26,290	9	36,936	9	47,582	9	58,229	9	68,875	9	79,521	9	90,168	9	100,813
1/4	5,535	1/4	16,076	1/4	26,511	1/4	37,158	1/4	47,804	1/4	58,451	1/4	69,097	1/4	79,743	1/4	90,390	1/4	101,035
1/2	5,756	1/2	16,290	1/2	26,733	1/2	37,380	1/2	48,026	1/2	58,672	1/2	69,319	1/2	79,965	1/2	90,611	1/2	101,257
3/4	5,977	3/4	16,504	3/4	26,955	3/4	37,601	3/4	48,248	3/4	58,894	3/4	69,540	3/4	80,187	3/4	90,833	3/4	101,479
10	6,198	10	16,718	10	27,177	10	37,823	10	48,470	10	59,116	10	69,762	10	80,409	10	91,055	10	101,700
1/4	6,420	1/4	16,932	1/4	27,399	1/4	38,045	1/4	48,691	1/4	59,338	1/4	69,984	1/4	80,630	1/4	91,277	1/4	101,922
1/2	6,641	1/2	17,146	1/2	27,620	1/2	38,267	1/2	48,913	1/2	59,560	1/2	70,206	1/2	80,852	1/2	91,499	1/2	102,144
3/4	6,863	3/4	17,360	3/4	27,842	3/4	38,489	3/4	49,135	3/4	59,781	3/4	70,428	3/4	81,074	3/4	91,720	3/4	102,365
11	7,084	11	17,574	11	28,064	11	38,710	11	49,357	11	60,003	11	70,649	11	81,296	11	91,942	11	102,587
1/4	7,306	1/4	17,788	1/4	28,286	1/4	38,932	1/4	49,579	1/4	60,225	1/4	70,871	1/4	81,518	1/4	92,164	1/4	102,809
1/2	7,528	1/2	18,002	1/2	28,508	1/2	39,154	1/2	49,800	1/2	60,447	1/2	71,093	1/2	81,739	1/2	92,386	1/2	103,031
3/4	7,750	3/4	18,216	3/4	28,729	3/4	39,376	3/4	50,022	3/4	60,669	3/4	71,315	3/4	81,961	3/4	92,608	3/4	103,252

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 27'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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 Pearland, Texas 77588
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BARGE "CBC 1304"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00" 1/4"

IN	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN								
0	103,474	0	114,116	0	124,721	0	135,289	0	143,931	0		0		0		0		0		0
1/4	103,696	1/4	114,338	1/4	124,941	1/4	135,488	1/4	143,946	1/4		1/4		1/4		1/4		1/4		1/4
1/2	103,917	1/2	114,559	1/2	125,161	1/2	135,707	1/2	143,961	1/2		1/2		1/2		1/2		1/2		1/2
3/4	104,139	3/4	114,781	3/4	125,381	3/4	135,927	3/4	143,977	3/4		3/4		3/4		3/4		3/4		3/4
1	104,361	1	115,003	1	125,601	1	136,146	1	143,992	1		1		1		1		1		1
1/4	104,582	1/4	115,224	1/4	125,821	1/4	136,366	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	104,804	1/2	115,446	1/2	126,041	1/2	136,586	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	105,026	3/4	115,668	3/4	126,261	3/4	136,806	3/4		3/4		3/4		3/4		3/4		3/4		3/4
2	105,248	2	115,890	2	126,480	2	137,025	2		2		2		2		2		2		2
1/4	105,469	1/4	116,111	1/4	126,700	1/4	137,245	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	105,691	1/2	116,333	1/2	126,920	1/2	137,465	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	105,913	3/4	116,555	3/4	127,140	3/4	137,685	3/4		3/4		3/4		3/4		3/4		3/4		3/4
3	106,134	3	116,776	3	127,360	3	137,905	3		3		3		3		3		3		3
1/4	106,356	1/4	116,998	1/4	127,580	1/4	138,124	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	106,578	1/2	117,220	1/2	127,800	1/2	138,342	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	106,800	3/4	117,442	3/4	128,020	3/4	138,561	3/4		3/4		3/4		3/4		3/4		3/4		3/4
4	107,021	4	117,663	4	128,239	4	138,780	4		4		4		4		4		4		4
1/4	107,243	1/4	117,885	1/4	128,459	1/4	138,999	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	107,465	1/2	118,107	1/2	128,679	1/2	139,217	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	107,686	3/4	118,328	3/4	128,899	3/4	139,436	3/4		3/4		3/4		3/4		3/4		3/4		3/4
5	107,908	5	118,550	5	129,119	5	139,655	5		5		5		5		5		5		5
1/4	108,130	1/4	118,772	1/4	129,339	1/4	139,873	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	108,352	1/2	118,993	1/2	129,559	1/2	140,092	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	108,573	3/4	119,215	3/4	129,779	3/4	140,311	3/4		3/4		3/4		3/4		3/4		3/4		3/4
6	108,795	6	119,437	6	129,999	6	140,530	6		6		6		6		6		6		6
1/4	109,017	1/4	119,659	1/4	130,218	1/4	140,748	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	109,238	1/2	119,880	1/2	130,438	1/2	140,967	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	109,460	3/4	120,102	3/4	130,658	3/4	141,186	3/4		3/4		3/4		3/4		3/4		3/4		3/4
7	109,682	7	120,324	7	130,878	7	141,405	7		7		7		7		7		7		7
1/4	109,903	1/4	120,544	1/4	131,098	1/4	141,605	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	110,125	1/2	120,763	1/2	131,318	1/2	141,805	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	110,347	3/4	120,983	3/4	131,538	3/4	142,005	3/4		3/4		3/4		3/4		3/4		3/4		3/4
8	110,569	8	121,203	8	131,758	8	142,205	8		8		8		8		8		8		8
1/4	110,790	1/4	121,423	1/4	131,977	1/4	142,369	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	111,012	1/2	121,643	1/2	132,197	1/2	142,532	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	111,234	3/4	121,863	3/4	132,417	3/4	142,695	3/4		3/4		3/4		3/4		3/4		3/4		3/4
9	111,455	9	122,083	9	132,637	9	142,859	9		9		9		9		9		9		9
1/4	111,677	1/4	122,303	1/4	132,856	1/4	142,985	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	111,899	1/2	122,523	1/2	133,076	1/2	143,111	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	112,121	3/4	122,742	3/4	133,295	3/4	143,237	3/4		3/4		3/4		3/4		3/4		3/4		3/4
10	112,342	10	122,962	10	133,514	10	143,364	10		10		10		10		10		10		10
1/4	112,564	1/4	123,182	1/4	133,734	1/4	143,483	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	112,786	1/2	123,402	1/2	133,953	1/2	143,542	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	113,007	3/4	123,622	3/4	134,172	3/4	143,632	3/4		3/4		3/4		3/4		3/4		3/4		3/4
11	113,229	11	123,842	11	134,392	11	143,721	11		11		11		11		11		11		11
1/4	113,451	1/4	124,062	1/4	134,611	1/4	143,773	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	113,673	1/2	124,281	1/2	134,830	1/2	143,826	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	113,894	3/4	124,501	3/4	135,049	3/4	143,878	3/4		3/4		3/4		3/4		3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/16/2008 CL - SW
 CALCULATED: 06/17/2008 CL
 PRINTED: 06/17/2008 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2008

PRECISION MEASUREMENT
 & ANALYSIS, INC.

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BARGE "CBC 1304"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00"

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	26	0	9,034	0	20,928	0	32,881	0	44,952	0	57,022	0	69,093	0	81,163	0	93,234	0	105,304
1/4	47	1/4	9,286	1/4	21,172	1/4	33,133	1/4	45,203	1/4	57,274	1/4	69,344	1/4	81,415	1/4	93,485	1/4	105,556
1/2	68	1/2	9,537	1/2	21,416	1/2	33,384	1/2	45,455	1/2	57,525	1/2	69,596	1/2	81,666	1/2	93,737	1/2	105,807
3/4	89	3/4	9,789	3/4	21,660	3/4	33,636	3/4	45,706	3/4	57,777	3/4	69,847	3/4	81,918	3/4	93,988	3/4	106,059
1	110	1	10,040	1	21,904	1	33,887	1	45,958	1	58,028	1	70,099	1	82,169	1	94,240	1	106,310
1/4	173	1/4	10,292	1/4	22,148	1/4	34,138	1/4	46,209	1/4	58,279	1/4	70,350	1/4	82,420	1/4	94,491	1/4	106,561
1/2	236	1/2	10,543	1/2	22,392	1/2	34,390	1/2	46,460	1/2	58,531	1/2	70,601	1/2	82,672	1/2	94,742	1/2	106,813
3/4	299	3/4	10,794	3/4	22,636	3/4	34,641	3/4	46,712	3/4	58,782	3/4	70,853	3/4	82,923	3/4	94,994	3/4	107,064
2	361	2	11,046	2	22,880	2	34,893	2	46,963	2	59,034	2	71,104	2	83,175	2	95,245	2	107,316
1/4	466	1/4	11,297	1/4	23,124	1/4	35,144	1/4	47,215	1/4	59,285	1/4	71,356	1/4	83,426	1/4	95,497	1/4	107,567
1/2	571	1/2	11,549	1/2	23,368	1/2	35,396	1/2	47,466	1/2	59,537	1/2	71,607	1/2	83,678	1/2	95,748	1/2	107,819
3/4	676	3/4	11,800	3/4	23,612	3/4	35,647	3/4	47,718	3/4	59,788	3/4	71,859	3/4	83,929	3/4	96,000	3/4	108,070
3	780	3	12,052	3	23,857	3	35,899	3	47,969	3	60,040	3	72,110	3	84,181	3	96,251	3	108,322
1/4	927	1/4	12,303	1/4	24,101	1/4	36,150	1/4	48,221	1/4	60,291	1/4	72,362	1/4	84,432	1/4	96,503	1/4	108,573
1/2	1,074	1/2	12,555	1/2	24,345	1/2	36,402	1/2	48,472	1/2	60,543	1/2	72,613	1/2	84,684	1/2	96,754	1/2	108,825
3/4	1,220	3/4	12,806	3/4	24,590	3/4	36,653	3/4	48,724	3/4	60,794	3/4	72,865	3/4	84,935	3/4	97,006	3/4	109,076
4	1,367	4	13,057	4	24,834	4	36,905	4	48,975	4	61,046	4	73,116	4	85,187	4	97,257	4	109,328
1/4	1,556	1/4	13,309	1/4	25,086	1/4	37,156	1/4	49,227	1/4	61,297	1/4	73,368	1/4	85,438	1/4	97,509	1/4	109,579
1/2	1,744	1/2	13,560	1/2	25,337	1/2	37,408	1/2	49,478	1/2	61,549	1/2	73,619	1/2	85,690	1/2	97,760	1/2	109,831
3/4	1,933	3/4	13,812	3/4	25,589	3/4	37,659	3/4	49,730	3/4	61,800	3/4	73,871	3/4	85,941	3/4	98,012	3/4	110,082
5	2,121	5	14,063	5	25,840	5	37,911	5	49,981	5	62,052	5	74,122	5	86,193	5	98,263	5	110,334
1/4	2,351	1/4	14,314	1/4	26,091	1/4	38,162	1/4	50,232	1/4	62,303	1/4	74,373	1/4	86,444	1/4	98,514	1/4	110,585
1/2	2,581	1/2	14,566	1/2	26,343	1/2	38,413	1/2	50,484	1/2	62,554	1/2	74,625	1/2	86,695	1/2	98,766	1/2	110,836
3/4	2,811	3/4	14,817	3/4	26,594	3/4	38,665	3/4	50,735	3/4	62,806	3/4	74,876	3/4	86,947	3/4	99,017	3/4	111,088
6	3,041	6	15,069	6	26,846	6	38,916	6	50,987	6	63,057	6	75,128	6	87,198	6	99,269	6	111,339
1/4	3,287	1/4	15,313	1/4	27,097	1/4	39,168	1/4	51,238	1/4	63,309	1/4	75,379	1/4	87,450	1/4	99,520	1/4	111,591
1/2	3,534	1/2	15,558	1/2	27,349	1/2	39,419	1/2	51,490	1/2	63,560	1/2	75,631	1/2	87,701	1/2	99,772	1/2	111,842
3/4	3,780	3/4	15,802	3/4	27,600	3/4	39,671	3/4	51,741	3/4	63,812	3/4	75,882	3/4	87,953	3/4	100,023	3/4	112,094
7	4,027	7	16,046	7	27,852	7	39,922	7	51,993	7	64,063	7	76,134	7	88,204	7	100,275	7	112,345
1/4	4,275	1/4	16,290	1/4	28,103	1/4	40,174	1/4	52,244	1/4	64,315	1/4	76,385	1/4	88,456	1/4	100,526	1/4	112,597
1/2	4,524	1/2	16,534	1/2	28,355	1/2	40,425	1/2	52,496	1/2	64,566	1/2	76,637	1/2	88,707	1/2	100,778	1/2	112,848
3/4	4,772	3/4	16,779	3/4	28,606	3/4	40,677	3/4	52,747	3/4	64,818	3/4	76,888	3/4	88,959	3/4	101,029	3/4	113,099
8	5,021	8	17,023	8	28,858	8	40,928	8	52,999	8	65,069	8	77,140	8	89,210	8	101,281	8	113,351
1/4	5,271	1/4	17,267	1/4	29,109	1/4	41,180	1/4	53,250	1/4	65,321	1/4	77,391	1/4	89,462	1/4	101,532	1/4	113,602
1/2	5,521	1/2	17,511	1/2	29,361	1/2	41,431	1/2	53,502	1/2	65,572	1/2	77,643	1/2	89,713	1/2	101,784	1/2	113,853
3/4	5,771	3/4	17,755	3/4	29,612	3/4	41,683	3/4	53,753	3/4	65,824	3/4	77,894	3/4	89,965	3/4	102,035	3/4	114,105
9	6,021	9	17,999	9	29,864	9	41,934	9	54,005	9	66,075	9	78,146	9	90,216	9	102,287	9	114,356
1/4	6,271	1/4	18,243	1/4	30,115	1/4	42,185	1/4	54,256	1/4	66,326	1/4	78,397	1/4	90,467	1/4	102,538	1/4	114,608
1/2	6,522	1/2	18,487	1/2	30,366	1/2	42,437	1/2	54,507	1/2	66,578	1/2	78,648	1/2	90,719	1/2	102,789	1/2	114,859
3/4	6,773	3/4	18,731	3/4	30,618	3/4	42,688	3/4	54,759	3/4	66,829	3/4	78,900	3/4	90,970	3/4	103,041	3/4	115,110
10	7,024	10	18,975	10	30,869	10	42,940	10	55,010	10	67,081	10	79,151	10	91,222	10	103,292	10	115,362
1/4	7,275	1/4	19,219	1/4	31,121	1/4	43,191	1/4	55,262	1/4	67,332	1/4	79,403	1/4	91,473	1/4	103,544	1/4	115,613
1/2	7,526	1/2	19,463	1/2	31,372	1/2	43,443	1/2	55,513	1/2	67,584	1/2	79,654	1/2	91,725	1/2	103,795	1/2	115,864
3/4	7,777	3/4	19,707	3/4	31,624	3/4	43,694	3/4	55,765	3/4	67,835	3/4	79,906	3/4	91,976	3/4	104,047	3/4	116,116
11	8,029	11	19,951	11	31,875	11	43,946	11	56,016	11	68,087	11	80,157	11	92,228	11	104,298	11	116,367
1/4	8,280	1/4	20,195	1/4	32,127	1/4	44,197	1/4	56,268	1/4	68,338	1/4	80,409	1/4	92,479	1/4	104,550	1/4	116,618
1/2	8,531	1/2	20,440	1/2	32,378	1/2	44,449	1/2	56,519	1/2	68,590	1/2	80,660	1/2	92,731	1/2	104,801	1/2	116,870
3/4	8,783	3/4	20,684	3/4	32,630	3/4	44,700	3/4	56,771	3/4	68,841	3/4	80,912	3/4	92,982	3/4	105,053	3/4	117,121

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 31'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 1304"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00"

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	117,373	0	129,438	0	141,462	0	153,420	0	163,241	0		0		0		0		0	
1/4	117,624	1/4	129,689	1/4	141,711	1/4	153,669	1/4	163,258	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	117,875	1/2	129,941	1/2	141,961	1/2	153,918	1/2	163,276	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	118,127	3/4	130,192	3/4	142,210	3/4	154,166	3/4	163,293	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	118,378	1	130,444	1	142,459	1	154,415	1	163,311	1	1	1	1	1	1	1	1	1	1
1/4	118,629	1/4	130,695	1/4	142,709	1/4	154,664	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,881	1/2	130,946	1/2	142,958	1/2	154,914	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,132	3/4	131,198	3/4	143,207	3/4	155,163	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	119,383	2	131,449	2	143,457	2	155,412	2		2	2	2	2	2	2	2	2	2	2
1/4	119,635	1/4	131,700	1/4	143,706	1/4	155,661	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,886	1/2	131,952	1/2	143,955	1/2	155,911	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	120,138	3/4	132,203	3/4	144,204	3/4	156,160	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	120,389	3	132,454	3	144,454	3	156,409	3		3	3	3	3	3	3	3	3	3	3
1/4	120,640	1/4	132,706	1/4	144,703	1/4	156,657	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	120,892	1/2	132,957	1/2	144,952	1/2	156,905	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	121,143	3/4	133,209	3/4	145,202	3/4	157,153	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	121,394	4	133,460	4	145,451	4	157,401	4		4	4	4	4	4	4	4	4	4	4
1/4	121,646	1/4	133,711	1/4	145,700	1/4	157,649	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	121,897	1/2	133,963	1/2	145,949	1/2	157,897	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	122,149	3/4	134,214	3/4	146,199	3/4	158,145	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	122,400	5	134,465	5	146,448	5	158,393	5		5	5	5	5	5	5	5	5	5	5
1/4	122,651	1/4	134,717	1/4	146,697	1/4	158,641	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	122,903	1/2	134,968	1/2	146,947	1/2	158,889	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	123,154	3/4	135,219	3/4	147,196	3/4	159,137	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	123,405	6	135,471	6	147,445	6	159,385	6		6	6	6	6	6	6	6	6	6	6
1/4	123,657	1/4	135,722	1/4	147,695	1/4	159,633	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	123,908	1/2	135,974	1/2	147,944	1/2	159,881	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	124,159	3/4	136,225	3/4	148,193	3/4	160,129	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	124,411	7	136,476	7	148,442	7	160,377	7		7	7	7	7	7	7	7	7	7	7
1/4	124,662	1/4	136,726	1/4	148,692	1/4	160,604	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	124,914	1/2	136,975	1/2	148,941	1/2	160,831	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	125,165	3/4	137,224	3/4	149,190	3/4	161,058	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	125,416	8	137,473	8	149,440	8	161,285	8		8	8	8	8	8	8	8	8	8	8
1/4	125,668	1/4	137,723	1/4	149,689	1/4	161,470	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	125,919	1/2	137,972	1/2	149,938	1/2	161,655	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	126,170	3/4	138,221	3/4	150,187	3/4	161,840	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	126,422	9	138,471	9	150,437	9	162,026	9		9	9	9	9	9	9	9	9	9	9
1/4	126,673	1/4	138,720	1/4	150,685	1/4	162,169	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	126,924	1/2	138,969	1/2	150,934	1/2	162,312	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	127,176	3/4	139,219	3/4	151,183	3/4	162,455	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	127,427	10	139,468	10	151,431	10	162,598	10		10	10	10	10	10	10	10	10	10	10
1/4	127,679	1/4	139,717	1/4	151,680	1/4	162,700	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	127,930	1/2	139,966	1/2	151,929	1/2	162,801	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	128,181	3/4	140,216	3/4	152,177	3/4	162,902	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	128,433	11	140,465	11	152,426	11	163,003	11		11	11	11	11	11	11	11	11	11	11
1/4	128,684	1/4	140,714	1/4	152,675	1/4	163,063	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	128,935	1/2	140,964	1/2	152,923	1/2	163,122	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	129,187	3/4	141,213	3/4	153,172	3/4	163,182	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: 06/16/2008 CL - SW
CALCULATED: 06/17/2008 CL
PRINTED: 06/17/2008 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2008

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1304"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00"

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	
0	26	0	8,068	0	18,826	0	29,591	0	40,367	0	51,144	0	61,920	0	72,696	0	83,473	0	94,249
1/4	45	1/4	8,293	1/4	19,050	1/4	29,815	1/4	40,592	1/4	51,368	1/4	62,144	1/4	72,921	1/4	83,697	1/4	94,474
1/2	64	1/2	8,517	1/2	19,273	1/2	30,040	1/2	40,816	1/2	51,593	1/2	62,369	1/2	73,145	1/2	83,922	1/2	94,698
3/4	82	3/4	8,742	3/4	19,497	3/4	30,264	3/4	41,041	3/4	51,817	3/4	62,593	3/4	73,370	3/4	84,146	3/4	94,923
1	101	1	8,966	1	19,721	1	30,489	1	41,265	1	52,042	1	62,818	1	73,594	1	84,371	1	95,147
1/4	157	1/4	9,191	1/4	19,944	1/4	30,713	1/4	41,490	1/4	52,266	1/4	63,042	1/4	73,819	1/4	84,595	1/4	95,372
1/2	213	1/2	9,415	1/2	20,168	1/2	30,938	1/2	41,714	1/2	52,491	1/2	63,267	1/2	74,043	1/2	84,820	1/2	95,596
3/4	269	3/4	9,640	3/4	20,392	3/4	31,162	3/4	41,939	3/4	52,715	3/4	63,492	3/4	74,268	3/4	85,044	3/4	95,821
2	325	2	9,864	2	20,616	2	31,387	2	42,163	2	52,940	2	63,716	2	74,492	2	85,269	2	96,045
1/4	419	1/4	10,089	1/4	20,839	1/4	31,611	1/4	42,388	1/4	53,164	1/4	63,941	1/4	74,717	1/4	85,493	1/4	96,270
1/2	512	1/2	10,313	1/2	21,063	1/2	31,836	1/2	42,612	1/2	53,389	1/2	64,165	1/2	74,941	1/2	85,718	1/2	96,494
3/4	606	3/4	10,538	3/4	21,287	3/4	32,060	3/4	42,837	3/4	53,613	3/4	64,390	3/4	75,166	3/4	85,942	3/4	96,719
3	700	3	10,762	3	21,510	3	32,285	3	43,061	3	53,838	3	64,614	3	75,390	3	86,167	3	96,943
1/4	830	1/4	10,987	1/4	21,734	1/4	32,509	1/4	43,286	1/4	54,062	1/4	64,839	1/4	75,615	1/4	86,391	1/4	97,168
1/2	961	1/2	11,211	1/2	21,958	1/2	32,734	1/2	43,510	1/2	54,287	1/2	65,063	1/2	75,839	1/2	86,616	1/2	97,392
3/4	1,092	3/4	11,436	3/4	22,182	3/4	32,958	3/4	43,735	3/4	54,511	3/4	65,288	3/4	76,064	3/4	86,840	3/4	97,617
4	1,223	4	11,660	4	22,406	4	33,183	4	43,959	4	54,736	4	65,512	4	76,288	4	87,065	4	97,841
1/4	1,392	1/4	11,885	1/4	22,631	1/4	33,407	1/4	44,184	1/4	54,960	1/4	65,737	1/4	76,513	1/4	87,289	1/4	98,066
1/2	1,560	1/2	12,109	1/2	22,855	1/2	33,632	1/2	44,408	1/2	55,185	1/2	65,961	1/2	76,738	1/2	87,514	1/2	98,290
3/4	1,728	3/4	12,333	3/4	23,080	3/4	33,856	3/4	44,633	3/4	55,409	3/4	66,186	3/4	76,962	3/4	87,738	3/4	98,515
5	1,897	5	12,558	5	23,304	5	34,081	5	44,857	5	55,634	5	66,410	5	77,187	5	87,963	5	98,739
1/4	2,102	1/4	12,782	1/4	23,529	1/4	34,305	1/4	45,082	1/4	55,858	1/4	66,635	1/4	77,411	1/4	88,187	1/4	98,964
1/2	2,307	1/2	13,007	1/2	23,754	1/2	34,530	1/2	45,306	1/2	56,083	1/2	66,859	1/2	77,636	1/2	88,412	1/2	99,188
3/4	2,512	3/4	13,231	3/4	23,978	3/4	34,754	3/4	45,531	3/4	56,307	3/4	67,084	3/4	77,860	3/4	88,636	3/4	99,413
6	2,717	6	13,456	6	24,203	6	34,979	6	45,755	6	56,532	6	67,308	6	78,085	6	88,861	6	99,637
1/4	2,937	1/4	13,680	1/4	24,427	1/4	35,203	1/4	45,980	1/4	56,756	1/4	67,533	1/4	78,309	1/4	89,085	1/4	99,862
1/2	3,158	1/2	13,904	1/2	24,652	1/2	35,428	1/2	46,204	1/2	56,981	1/2	67,757	1/2	78,534	1/2	89,310	1/2	100,086
3/4	3,378	3/4	14,128	3/4	24,876	3/4	35,652	3/4	46,429	3/4	57,205	3/4	67,982	3/4	78,758	3/4	89,534	3/4	100,311
7	3,598	7	14,352	7	25,101	7	35,877	7	46,653	7	57,430	7	68,206	7	78,983	7	89,759	7	100,535
1/4	3,820	1/4	14,576	1/4	25,325	1/4	36,101	1/4	46,878	1/4	57,654	1/4	68,431	1/4	79,207	1/4	89,984	1/4	100,760
1/2	4,041	1/2	14,799	1/2	25,550	1/2	36,326	1/2	47,102	1/2	57,879	1/2	68,655	1/2	79,432	1/2	90,208	1/2	100,984
3/4	4,263	3/4	15,023	3/4	25,774	3/4	36,550	3/4	47,327	3/4	58,103	3/4	68,880	3/4	79,656	3/4	90,433	3/4	101,209
8	4,485	8	15,247	8	25,999	8	36,775	8	47,551	8	58,328	8	69,104	8	79,881	8	90,657	8	101,433
1/4	4,709	1/4	15,470	1/4	26,223	1/4	37,000	1/4	47,776	1/4	58,552	1/4	69,329	1/4	80,105	1/4	90,882	1/4	101,658
1/2	4,932	1/2	15,694	1/2	26,448	1/2	37,224	1/2	48,000	1/2	58,777	1/2	69,553	1/2	80,330	1/2	91,106	1/2	101,882
3/4	5,155	3/4	15,918	3/4	26,672	3/4	37,449	3/4	48,225	3/4	59,001	3/4	69,778	3/4	80,554	3/4	91,331	3/4	102,107
9	5,378	9	16,142	9	26,897	9	37,673	9	48,449	9	59,226	9	70,002	9	80,779	9	91,555	9	102,331
1/4	5,602	1/4	16,365	1/4	27,121	1/4	37,898	1/4	48,674	1/4	59,450	1/4	70,227	1/4	81,003	1/4	91,780	1/4	102,556
1/2	5,826	1/2	16,589	1/2	27,346	1/2	38,122	1/2	48,898	1/2	59,675	1/2	70,451	1/2	81,228	1/2	92,004	1/2	102,780
3/4	6,049	3/4	16,813	3/4	27,570	3/4	38,347	3/4	49,123	3/4	59,899	3/4	70,676	3/4	81,452	3/4	92,229	3/4	103,005
10	6,273	10	17,036	10	27,795	10	38,571	10	49,347	10	60,124	10	70,900	10	81,677	10	92,453	10	103,229
1/4	6,498	1/4	17,260	1/4	28,019	1/4	38,796	1/4	49,572	1/4	60,348	1/4	71,125	1/4	81,901	1/4	92,678	1/4	103,454
1/2	6,722	1/2	17,484	1/2	28,244	1/2	39,020	1/2	49,796	1/2	60,573	1/2	71,349	1/2	82,126	1/2	92,902	1/2	103,678
3/4	6,946	3/4	17,707	3/4	28,468	3/4	39,245	3/4	50,021	3/4	60,797	3/4	71,574	3/4	82,350	3/4	93,127	3/4	103,903
11	7,170	11	17,931	11	28,693	11	39,469	11	50,246	11	61,022	11	71,798	11	82,575	11	93,351	11	104,127
1/4	7,395	1/4	18,155	1/4	28,917	1/4	39,694	1/4	50,470	1/4	61,246	1/4	72,023	1/4	82,799	1/4	93,576	1/4	104,352
1/2	7,619	1/2	18,379	1/2	29,142	1/2	39,918	1/2	50,695	1/2	61,471	1/2	72,247	1/2	83,024	1/2	93,800	1/2	104,576
3/4	7,844	3/4	18,602	3/4	29,366	3/4	40,143	3/4	50,919	3/4	61,695	3/4	72,472	3/4	83,248	3/4	94,025	3/4	104,801

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 27'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "CBC 1304"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00"

IN	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.		
	N	H	N	H	N	H	N	H	N	H	N	H	N	H	N	H	N	H	N	H	
0	105,025	0	115,802	0	126,540	0	137,278	0	148,988	0		0		0		0		0		0	
1/4	105,250	1/4	116,026	1/4	126,762	1/4	137,440	1/4	148,003	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	105,474	1/2	116,251	1/2	126,985	1/2	137,662	1/2	148,019	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	105,699	3/4	116,475	3/4	127,208	3/4	137,884	3/4	148,035	3/4		3/4		3/4		3/4		3/4		3/4	
1	105,923	1	116,700	1	127,430	1	138,106	1	148,050	1		1		1		1		1		1	
1/4	106,148	1/4	116,924	1/4	127,653	1/4	138,329	1/4	148,066	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	106,372	1/2	117,149	1/2	127,875	1/2	138,551	1/2	148,082	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	106,597	3/4	117,373	3/4	128,098	3/4	138,774	3/4	148,098	3/4		3/4		3/4		3/4		3/4		3/4	
2	106,821	2	117,598	2	128,321	2	138,997	2	148,114	2		2		2		2		2		2	
1/4	107,046	1/4	117,822	1/4	128,543	1/4	139,219	1/4	148,130	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	107,270	1/2	118,047	1/2	128,766	1/2	139,442	1/2	148,146	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	107,495	3/4	118,271	3/4	128,988	3/4	139,664	3/4	148,162	3/4		3/4		3/4		3/4		3/4		3/4	
3	107,719	3	118,496	3	129,211	3	139,887	3	148,178	3		3		3		3		3		3	
1/4	107,944	1/4	118,720	1/4	129,434	1/4	140,108	1/4	148,194	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	108,168	1/2	118,945	1/2	129,656	1/2	140,330	1/2	148,210	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	108,393	3/4	119,169	3/4	129,879	3/4	140,551	3/4	148,226	3/4		3/4		3/4		3/4		3/4		3/4	
4	108,617	4	119,394	4	130,102	4	140,773	4	148,242	4		4		4		4		4		4	
1/4	108,842	1/4	119,618	1/4	130,324	1/4	140,994	1/4	148,258	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	109,066	1/2	119,843	1/2	130,547	1/2	141,216	1/2	148,274	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	109,291	3/4	120,067	3/4	130,769	3/4	141,437	3/4	148,290	3/4		3/4		3/4		3/4		3/4		3/4	
5	109,515	5	120,292	5	130,992	5	141,658	5	148,306	5		5		5		5		5		5	
1/4	109,740	1/4	120,516	1/4	131,215	1/4	141,880	1/4	148,322	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	109,964	1/2	120,741	1/2	131,437	1/2	142,101	1/2	148,338	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	110,189	3/4	120,965	3/4	131,660	3/4	142,323	3/4	148,354	3/4		3/4		3/4		3/4		3/4		3/4	
6	110,413	6	121,190	6	131,882	6	142,544	6	148,370	6		6		6		6		6		6	
1/4	110,638	1/4	121,414	1/4	132,105	1/4	142,766	1/4	148,386	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	110,862	1/2	121,639	1/2	132,328	1/2	142,987	1/2	148,402	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	111,087	3/4	121,863	3/4	132,550	3/4	143,209	3/4	148,418	3/4		3/4		3/4		3/4		3/4		3/4	
7	111,311	7	122,088	7	132,773	7	143,430	7	148,434	7		7		7		7		7		7	
1/4	111,536	1/4	122,310	1/4	132,995	1/4	143,653	1/4	148,450	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,761	1/2	122,533	1/2	133,218	1/2	143,875	1/2	148,466	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	111,985	3/4	122,755	3/4	133,441	3/4	144,098	3/4	148,482	3/4		3/4		3/4		3/4		3/4		3/4	
8	112,210	8	122,978	8	133,663	8	144,321	8	148,500	8		8		8		8		8		8	
1/4	112,434	1/4	123,201	1/4	133,886	1/4	144,546	1/4	148,516	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,659	1/2	123,423	1/2	134,109	1/2	144,772	1/2	148,532	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,883	3/4	123,646	3/4	134,331	3/4	144,997	3/4	148,548	3/4		3/4		3/4		3/4		3/4		3/4	
9	113,108	9	123,868	9	134,554	9	145,221	9	148,564	9		9		9		9		9		9	
1/4	113,332	1/4	124,091	1/4	134,776	1/4	145,446	1/4	148,580	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,557	1/2	124,314	1/2	134,998	1/2	145,671	1/2	148,596	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,781	3/4	124,536	3/4	135,220	3/4	145,896	3/4	148,612	3/4		3/4		3/4		3/4		3/4		3/4	
10	114,006	10	124,759	10	135,442	10	146,119	10	148,628	10		10		10		10		10		10	
1/4	114,230	1/4	124,982	1/4	135,664	1/4	146,344	1/4	148,644	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,455	1/2	125,204	1/2	135,886	1/2	146,571	1/2	148,660	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,679	3/4	125,427	3/4	136,108	3/4	146,796	3/4	148,676	3/4		3/4		3/4		3/4		3/4		3/4	
11	114,904	11	125,649	11	136,330	11	147,021	11	148,692	11		11		11		11		11		11	
1/4	115,128	1/4	125,872	1/4	136,552	1/4	147,247	1/4	148,708	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	115,353	1/2	126,095	1/2	136,774	1/2	147,472	1/2	148,724	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,577	3/4	126,317	3/4	136,996	3/4	147,697	3/4	148,740	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/16/2008 CL - SW
 CALCULATED: 06/17/2008 CL
 PRINTED: 08/17/2008 CL

PRECISION MEASUREMENT
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BARGE "CBC 1304"

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	00-1/8	- 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
2 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
3 CENTER	00-1/8	- 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	00-1/2	- 00-1/2

(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 1 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 159'-06"

June 17, 2008

PRECISION MEASUREMENT
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 Pearland, Texas 77588

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BARGE "CBC 1304"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0	143,946	0	135,488	0	124,941	0	114,338	0	103,696	0	93,051	0	82,405	0	71,758	0	61,112
1/4	1/4	143,931	143,931	135,473	135,473	124,926	124,926	114,331	114,331	103,691	103,691	93,046	93,046	82,401	82,401	71,753	71,753	61,107	61,107
1/2	1/2	143,878	143,878	135,419	135,419	124,872	124,872	114,277	114,277	103,638	103,638	92,993	92,993	82,348	82,348	71,700	71,700	61,054	61,054
3/4	3/4	143,826	143,826	135,366	135,366	124,820	124,820	114,224	114,224	103,585	103,585	92,940	92,940	82,295	82,295	71,647	71,647	61,001	61,001
1	1	143,773	143,773	135,313	135,313	124,767	124,767	114,171	114,171	103,532	103,532	92,887	92,887	82,242	82,242	71,594	71,594	60,948	60,948
1/4	1/4	143,721	143,721	135,260	135,260	124,714	124,714	114,118	114,118	103,479	103,479	92,834	92,834	82,189	82,189	71,541	71,541	60,895	60,895
1/2	1/2	143,632	143,632	135,172	135,172	124,626	124,626	114,030	114,030	103,391	103,391	92,746	92,746	82,101	82,101	71,453	71,453	60,807	60,807
3/4	3/4	143,542	143,542	135,084	135,084	124,538	124,538	113,942	113,942	103,303	103,303	92,658	92,658	82,013	82,013	71,365	71,365	60,719	60,719
2	2	143,453	143,453	135,031	135,031	124,485	124,485	113,889	113,889	103,250	103,250	92,605	92,605	81,960	81,960	71,312	71,312	60,666	60,666
1/4	1/4	143,364	143,364	134,943	134,943	124,397	124,397	113,801	113,801	103,162	103,162	92,517	92,517	81,872	81,872	71,224	71,224	60,578	60,578
1/2	1/2	143,237	143,237	134,855	134,855	124,309	124,309	113,713	113,713	103,074	103,074	92,429	92,429	81,784	81,784	71,136	71,136	60,490	60,490
3/4	3/4	143,111	143,111	134,767	134,767	124,221	124,221	113,625	113,625	102,986	102,986	92,341	92,341	81,696	81,696	71,048	71,048	60,402	60,402
3	3	142,985	142,985	134,714	134,714	124,168	124,168	113,572	113,572	102,933	102,933	92,288	92,288	81,643	81,643	70,995	70,995	60,349	60,349
1/4	1/4	142,859	142,859	134,626	134,626	124,080	124,080	113,484	113,484	102,845	102,845	92,200	92,200	81,555	81,555	70,907	70,907	60,261	60,261
1/2	1/2	142,695	142,695	134,538	134,538	124,037	124,037	113,431	113,431	102,792	102,792	92,147	92,147	81,502	81,502	70,854	70,854	60,208	60,208
3/4	3/4	142,532	142,532	134,450	134,450	123,949	123,949	113,343	113,343	102,704	102,704	92,059	92,059	81,416	81,416	70,766	70,766	60,120	60,120
4	4	142,369	142,369	134,407	134,407	123,896	123,896	113,290	113,290	102,651	102,651	92,006	92,006	81,363	81,363	70,713	70,713	60,067	60,067
1/4	1/4	142,205	142,205	134,319	134,319	123,808	123,808	113,202	113,202	102,563	102,563	91,918	91,918	81,275	81,275	70,625	70,625	59,979	59,979
1/2	1/2	142,005	142,005	134,231	134,231	123,720	123,720	113,114	113,114	102,475	102,475	91,830	91,830	81,187	81,187	70,537	70,537	59,891	59,891
3/4	3/4	141,805	141,805	134,143	134,143	123,632	123,632	113,026	113,026	102,387	102,387	91,742	91,742	81,100	81,100	70,449	70,449	59,803	59,803
5	5	141,605	141,605	134,090	134,090	123,579	123,579	112,973	112,973	102,334	102,334	91,689	91,689	81,047	81,047	70,396	70,396	59,750	59,750
1/4	1/4	141,405	141,405	134,002	134,002	123,491	123,491	112,885	112,885	102,246	102,246	91,601	91,601	80,959	80,959	70,308	70,308	59,662	59,662
1/2	1/2	141,186	141,186	133,914	133,914	123,403	123,403	112,797	112,797	102,158	102,158	91,513	91,513	80,871	80,871	70,220	70,220	59,574	59,574
3/4	3/4	140,967	140,967	133,826	133,826	123,315	123,315	112,709	112,709	102,070	102,070	91,425	91,425	80,783	80,783	70,132	70,132	59,486	59,486
6	6	140,748	140,748	133,772	133,772	123,262	123,262	112,656	112,656	102,017	102,017	91,372	91,372	80,730	80,730	70,079	70,079	59,433	59,433
1/4	1/4	140,530	140,530	133,684	133,684	123,174	123,174	112,568	112,568	101,929	101,929	91,284	91,284	80,642	80,642	70,036	70,036	59,380	59,380
1/2	1/2	140,311	140,311	133,596	133,596	123,086	123,086	112,480	112,480	101,841	101,841	91,196	91,196	80,554	80,554	69,948	69,948	59,292	59,292
3/4	3/4	140,092	140,092	133,508	133,508	123,033	123,033	112,427	112,427	101,788	101,788	91,143	91,143	80,501	80,501	69,895	69,895	59,239	59,239
7	7	139,873	139,873	133,455	133,455	122,980	122,980	112,374	112,374	101,735	101,735	91,090	91,090	80,448	80,448	69,842	69,842	59,186	59,186
1/4	1/4	139,655	139,655	133,367	133,367	122,892	122,892	112,286	112,286	101,647	101,647	91,002	91,002	80,360	80,360	69,754	69,754	59,098	59,098
1/2	1/2	139,436	139,436	133,279	133,279	122,804	122,804	112,198	112,198	101,559	101,559	90,914	90,914	80,272	80,272	69,666	69,666	59,010	59,010
3/4	3/4	139,217	139,217	133,191	133,191	122,716	122,716	112,110	112,110	101,471	101,471	90,826	90,826	80,184	80,184	69,578	69,578	58,922	58,922
8	8	138,999	138,999	133,138	133,138	122,663	122,663	112,057	112,057	101,418	101,418	90,773	90,773	80,131	80,131	69,525	69,525	58,869	58,869
1/4	1/4	138,780	138,780	133,050	133,050	122,575	122,575	111,969	111,969	101,330	101,330	90,685	90,685	80,043	80,043	69,437	69,437	58,781	58,781
1/2	1/2	138,561	138,561	132,962	132,962	122,487	122,487	111,881	111,881	101,242	101,242	90,597	90,597	79,955	79,955	69,349	69,349	58,693	58,693
3/4	3/4	138,342	138,342	132,874	132,874	122,399	122,399	111,793	111,793	101,154	101,154	90,509	90,509	79,867	79,867	69,261	69,261	58,605	58,605
9	9	138,124	138,124	132,821	132,821	122,346	122,346	111,740	111,740	101,101	101,101	90,456	90,456	79,814	79,814	69,208	69,208	58,552	58,552
1/4	1/4	137,905	137,905	132,733	132,733	122,258	122,258	111,652	111,652	101,013	101,013	90,368	90,368	79,726	79,726	69,120	69,120	58,464	58,464
1/2	1/2	137,685	137,685	132,645	132,645	122,170	122,170	111,564	111,564	100,925	100,925	90,280	90,280	79,638	79,638	69,032	69,032	58,376	58,376
3/4	3/4	137,465	137,465	132,557	132,557	122,082	122,082	111,476	111,476	100,837	100,837	90,192	90,192	79,550	79,550	68,944	68,944	58,288	58,288
10	10	137,245	137,245	132,504	132,504	122,029	122,029	111,423	111,423	100,784	100,784	90,139	90,139	79,497	79,497	68,891	68,891	58,235	58,235
1/4	1/4	137,025	137,025	132,416	132,416	121,941	121,941	111,335	111,335	100,696	100,696	90,051	90,051	79,409	79,409	68,803	68,803	58,147	58,147
1/2	1/2	136,806	136,806	132,328	132,328	121,853	121,853	111,247	111,247	100,608	100,608	89,963	89,963	79,321	79,321	68,715	68,715	58,059	58,059
3/4	3/4	136,586	136,586	132,240	132,240	121,765	121,765	111,159	111,159	100,520	100,520	89,875	89,875	79,233	79,233	68,627	68,627	57,971	57,971
11	11	136,366	136,366	132,197	132,197	121,712	121,712	111,106	111,106	100,467	100,467	89,822	89,822	79,180	79,180	68,574	68,574	57,918	57,918
1/4	1/4	143,992	136,146	132,109	125,601	121,624	115,003	111,017	104,361	100,375	93,717	83,070	72,424	61,778	51,131				
1/2	1/2	143,977	135,927	132,066	125,381	121,581	114,781	110,795	104,139	100,153	93,495	82,848	72,202	61,556	50,909				
3/4	3/4	143,961	135,707	132,023	125,161	121,538	114,559	110,573	103,917	100,060	93,273	82,627	71,980	61,334	50,688</				



BARGE "CBC 1304"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	50,466	0	39,819	0	29,173	0	18,643	0	8,193	0	45	0	0	0	0	0	0	0	0
1/4	50,244	1/4	39,598	1/4	28,951	1/4	18,429	1/4	7,971	1/4	26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,022	1/2	39,376	1/2	28,729	1/2	18,216	1/2	7,750	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,800	3/4	39,154	3/4	28,508	3/4	18,002	3/4	7,528	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	49,579	1	38,932	1	28,286	1	17,788	1	7,306	1		1	1	1	1	1	1	1	1
1/4	49,357	1/4	38,710	1/4	28,064	1/4	17,574	1/4	7,084	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,135	1/2	38,489	1/2	27,842	1/2	17,360	1/2	6,863	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,913	3/4	38,267	3/4	27,620	3/4	17,146	3/4	6,641	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	48,691	2	38,045	2	27,399	2	16,932	2	6,420	2		2	2	2	2	2	2	2	2
1/4	48,470	1/4	37,823	1/4	27,177	1/4	16,718	1/4	6,198	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,248	1/2	37,601	1/2	26,955	1/2	16,504	1/2	5,977	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,026	3/4	37,380	3/4	26,733	3/4	16,290	3/4	5,756	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	47,804	3	37,158	3	26,511	3	16,076	3	5,535	3		3	3	3	3	3	3	3	3
1/4	47,582	1/4	36,936	1/4	26,290	1/4	15,862	1/4	5,313	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,361	1/2	36,714	1/2	26,068	1/2	15,648	1/2	5,093	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,139	3/4	36,492	3/4	25,846	3/4	15,434	3/4	4,873	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	46,917	4	36,271	4	25,624	4	15,221	4	4,652	4		4	4	4	4	4	4	4	4
1/4	46,695	1/4	36,049	1/4	25,402	1/4	15,007	1/4	4,432	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,473	1/2	35,827	1/2	25,181	1/2	14,793	1/2	4,212	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,252	3/4	35,605	3/4	24,959	3/4	14,579	3/4	3,993	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	46,030	5	35,383	5	24,737	5	14,365	5	3,774	5		5	5	5	5	5	5	5	5
1/4	45,808	1/4	35,162	1/4	24,515	1/4	14,151	1/4	3,555	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,586	1/2	34,940	1/2	24,293	1/2	13,937	1/2	3,337	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,364	3/4	34,718	3/4	24,072	3/4	13,722	3/4	3,120	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	45,143	6	34,496	6	23,850	6	13,508	6	2,903	6		6	6	6	6	6	6	6	6
1/4	44,921	1/4	34,274	1/4	23,628	1/4	13,294	1/4	2,685	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,699	1/2	34,053	1/2	23,406	1/2	13,072	1/2	2,482	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,477	3/4	33,831	3/4	23,184	3/4	12,850	3/4	2,280	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	44,255	7	33,609	7	22,963	7	12,629	7	2,077	7		7	7	7	7	7	7	7	7
1/4	44,034	1/4	33,387	1/4	22,741	1/4	12,407	1/4	1,874	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,812	1/2	33,165	1/2	22,519	1/2	12,185	1/2	1,708	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,590	3/4	32,944	3/4	22,297	3/4	11,963	3/4	1,542	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	43,368	8	32,722	8	22,075	8	11,742	8	1,375	8		8	8	8	8	8	8	8	8
1/4	43,146	1/4	32,500	1/4	21,854	1/4	11,520	1/4	1,209	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,925	1/2	32,278	1/2	21,639	1/2	11,298	1/2	1,080	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,703	3/4	32,056	3/4	21,425	3/4	11,076	3/4	950	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	42,481	9	31,835	9	21,211	9	10,855	9	821	9		9	9	9	9	9	9	9	9
1/4	42,259	1/4	31,613	1/4	20,997	1/4	10,633	1/4	692	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,037	1/2	31,391	1/2	20,783	1/2	10,411	1/2	599	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,816	3/4	31,169	3/4	20,569	3/4	10,189	3/4	507	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	41,594	10	30,947	10	20,355	10	9,967	10	414	10		10	10	10	10	10	10	10	10
1/4	41,372	1/4	30,726	1/4	20,141	1/4	9,746	1/4	322	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,150	1/2	30,504	1/2	19,927	1/2	9,524	1/2	267	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,928	3/4	30,282	3/4	19,713	3/4	9,302	3/4	211	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	40,707	11	30,060	11	19,499	11	9,080	11	158	11		11	11	11	11	11	11	11	11
1/4	40,485	1/4	29,838	1/4	19,285	1/4	8,859	1/4	100	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	40,263	1/2	29,617	1/2	19,071	1/2	8,637	1/2	82	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,041	3/4	29,395	3/4	18,857	3/4	8,415	3/4	63	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

STRAPPED: 06/16/2008 CL - SW
CALCULATED: 06/17/2008 CL
PRINTED: 06/17/2008 CL

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BARGE "CBC 1304"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00"

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												
0		0	163,241	0	153,420	0	141,462	0	129,438	0	117,373	0	105,304	0	93,234	0	81,163	0	69,093
1/4	1/4	1/4	163,182	1/4	153,172	1/4	141,213	1/4	129,187	1/4	117,121	1/4	105,053	1/4	92,982	1/4	80,912	1/4	68,841
1/2	1/2	1/2	163,122	1/2	152,923	1/2	140,964	1/2	128,935	1/2	116,870	1/2	104,801	1/2	92,731	1/2	80,660	1/2	68,590
3/4	3/4	3/4	163,063	3/4	152,675	3/4	140,714	3/4	128,684	3/4	116,618	3/4	104,550	3/4	92,479	3/4	80,409	3/4	68,338
1		1	163,003	1	152,426	1	140,465	1	128,433	1	116,367	1	104,298	1	92,228	1	80,157	1	68,087
1/4	1/4	1/4	162,902	1/4	152,177	1/4	140,216	1/4	128,181	1/4	116,116	1/4	104,047	1/4	91,976	1/4	79,906	1/4	67,835
1/2	1/2	1/2	162,801	1/2	151,929	1/2	139,966	1/2	127,930	1/2	115,864	1/2	103,795	1/2	91,725	1/2	79,654	1/2	67,584
3/4	3/4	3/4	162,700	3/4	151,680	3/4	139,717	3/4	127,679	3/4	115,613	3/4	103,544	3/4	91,473	3/4	79,403	3/4	67,332
2		2	162,598	2	151,431	2	139,468	2	127,427	2	115,362	2	103,292	2	91,222	2	79,151	2	67,081
1/4	1/4	1/4	162,455	1/4	151,183	1/4	139,219	1/4	127,176	1/4	115,110	1/4	103,041	1/4	90,970	1/4	78,900	1/4	66,829
1/2	1/2	1/2	162,312	1/2	150,934	1/2	138,969	1/2	126,924	1/2	114,859	1/2	102,789	1/2	90,719	1/2	78,648	1/2	66,578
3/4	3/4	3/4	162,169	3/4	150,685	3/4	138,720	3/4	126,673	3/4	114,608	3/4	102,538	3/4	90,467	3/4	78,397	3/4	66,326
3		3	162,026	3	150,437	3	138,471	3	126,422	3	114,356	3	102,287	3	90,216	3	78,146	3	66,075
1/4	1/4	1/4	161,840	1/4	150,187	1/4	138,221	1/4	126,170	1/4	114,105	1/4	102,035	1/4	89,965	1/4	77,894	1/4	65,824
1/2	1/2	1/2	161,655	1/2	149,938	1/2	137,972	1/2	125,919	1/2	113,853	1/2	101,784	1/2	89,713	1/2	77,643	1/2	65,572
3/4	3/4	3/4	161,470	3/4	149,689	3/4	137,723	3/4	125,668	3/4	113,602	3/4	101,532	3/4	89,462	3/4	77,391	3/4	65,321
4		4	161,285	4	149,440	4	137,473	4	125,416	4	113,351	4	101,281	4	89,210	4	77,140	4	65,069
1/4	1/4	1/4	161,058	1/4	149,190	1/4	137,224	1/4	125,165	1/4	113,099	1/4	101,029	1/4	88,959	1/4	76,888	1/4	64,818
1/2	1/2	1/2	160,831	1/2	148,941	1/2	136,975	1/2	124,914	1/2	112,848	1/2	100,778	1/2	88,707	1/2	76,637	1/2	64,566
3/4	3/4	3/4	160,604	3/4	148,692	3/4	136,726	3/4	124,662	3/4	112,597	3/4	100,526	3/4	88,456	3/4	76,385	3/4	64,315
5		5	160,377	5	148,442	5	136,476	5	124,411	5	112,345	5	100,275	5	88,204	5	76,134	5	64,063
1/4	1/4	1/4	160,129	1/4	148,193	1/4	136,225	1/4	124,159	1/4	112,094	1/4	100,023	1/4	87,953	1/4	75,882	1/4	63,812
1/2	1/2	1/2	159,881	1/2	147,944	1/2	135,974	1/2	123,908	1/2	111,842	1/2	99,772	1/2	87,701	1/2	75,631	1/2	63,560
3/4	3/4	3/4	159,633	3/4	147,695	3/4	135,722	3/4	123,657	3/4	111,591	3/4	99,520	3/4	87,450	3/4	75,379	3/4	63,309
6		6	159,385	6	147,445	6	135,471	6	123,405	6	111,339	6	99,269	6	87,198	6	75,128	6	63,057
1/4	1/4	1/4	159,137	1/4	147,196	1/4	135,219	1/4	123,154	1/4	111,088	1/4	99,017	1/4	86,947	1/4	74,876	1/4	62,806
1/2	1/2	1/2	158,889	1/2	146,947	1/2	134,968	1/2	122,903	1/2	110,836	1/2	98,766	1/2	86,695	1/2	74,625	1/2	62,554
3/4	3/4	3/4	158,641	3/4	146,697	3/4	134,717	3/4	122,651	3/4	110,585	3/4	98,514	3/4	86,444	3/4	74,373	3/4	62,303
7		7	158,393	7	146,448	7	134,465	7	122,400	7	110,334	7	98,263	7	86,193	7	74,122	7	62,052
1/4	1/4	1/4	158,145	1/4	146,199	1/4	134,214	1/4	122,149	1/4	110,082	1/4	98,012	1/4	85,941	1/4	73,871	1/4	61,800
1/2	1/2	1/2	157,897	1/2	145,949	1/2	133,963	1/2	121,897	1/2	109,831	1/2	97,760	1/2	85,690	1/2	73,619	1/2	61,549
3/4	3/4	3/4	157,649	3/4	145,700	3/4	133,711	3/4	121,646	3/4	109,579	3/4	97,509	3/4	85,438	3/4	73,368	3/4	61,297
8		8	157,401	8	145,451	8	133,460	8	121,394	8	109,328	8	97,257	8	85,187	8	73,116	8	61,046
1/4	1/4	1/4	157,153	1/4	145,202	1/4	133,209	1/4	121,143	1/4	109,076	1/4	97,006	1/4	84,935	1/4	72,865	1/4	60,794
1/2	1/2	1/2	156,905	1/2	144,952	1/2	132,957	1/2	120,892	1/2	108,825	1/2	96,754	1/2	84,684	1/2	72,613	1/2	60,543
3/4	3/4	3/4	156,657	3/4	144,703	3/4	132,706	3/4	120,640	3/4	108,573	3/4	96,503	3/4	84,432	3/4	72,362	3/4	60,291
9		9	156,409	9	144,454	9	132,454	9	120,389	9	108,322	9	96,251	9	84,181	9	72,110	9	60,040
1/4	1/4	1/4	156,160	1/4	144,204	1/4	132,203	1/4	120,138	1/4	108,070	1/4	96,000	1/4	83,929	1/4	71,859	1/4	59,788
1/2	1/2	1/2	155,911	1/2	143,955	1/2	131,952	1/2	119,886	1/2	107,819	1/2	95,748	1/2	83,678	1/2	71,607	1/2	59,537
3/4	3/4	3/4	155,661	3/4	143,706	3/4	131,700	3/4	119,635	3/4	107,567	3/4	95,497	3/4	83,426	3/4	71,356	3/4	59,285
10		10	155,412	10	143,457	10	131,449	10	119,383	10	107,316	10	95,245	10	83,175	10	71,104	10	59,034
1/4	1/4	1/4	155,163	1/4	143,207	1/4	131,198	1/4	119,132	1/4	107,064	1/4	94,994	1/4	82,923	1/4	70,853	1/4	58,782
1/2	1/2	1/2	154,914	1/2	142,958	1/2	130,946	1/2	118,881	1/2	106,813	1/2	94,742	1/2	82,672	1/2	70,601	1/2	58,531
3/4	3/4	3/4	154,664	3/4	142,709	3/4	130,695	3/4	118,629	3/4	106,561	3/4	94,491	3/4	82,420	3/4	70,350	3/4	58,279
11	163,311	11	154,415	11	142,459	11	130,444	11	118,378	11	106,310	11	94,240	11	82,169	11	70,099	11	58,028
1/4	163,293	1/4	154,166	1/4	142,210	1/4	130,192	1/4	118,127	1/4	106,059	1/4	93,988	1/4	81,918	1/4	69,847	1/4	57,777
1/2	163,276	1/2	153,918	1/2	141,961	1/2	129,941	1/2	117,875	1/2	105,807	1/2	93,737	1/2	81,666	1/2	69,596	1/2	57,525
3/4	163,258	3/4	153,669	3/4	141,711	3/4	129,689	3/4	117,624	3/4	105,556	3/4	93,485	3/4	81,415	3/4	69,344	3/4	57,274

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 31'-08" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 1304"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00"

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	57,022	0	44,952	0	32,881	0	20,928	0	9,034	0	26	0	0	0	0	0	0	0	0
1/4	56,771	1/4	44,700	1/4	32,630	1/4	20,684	1/4	8,783	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,519	1/2	44,449	1/2	32,378	1/2	20,440	1/2	8,531	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,268	3/4	44,197	3/4	32,127	3/4	20,195	3/4	8,280	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	56,016	1	43,946	1	31,875	1	19,951	1	8,029	1		1	1	1	1	1	1	1	1
1/4	55,765	1/4	43,694	1/4	31,624	1/4	19,707	1/4	7,777	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,513	1/2	43,443	1/2	31,372	1/2	19,463	1/2	7,526	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,262	3/4	43,191	3/4	31,121	3/4	19,219	3/4	7,275	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	55,010	2	42,940	2	30,869	2	18,975	2	7,024	2		2	2	2	2	2	2	2	2
1/4	54,759	1/4	42,688	1/4	30,618	1/4	18,731	1/4	6,773	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,507	1/2	42,437	1/2	30,366	1/2	18,487	1/2	6,522	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,256	3/4	42,185	3/4	30,115	3/4	18,243	3/4	6,271	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	54,005	3	41,934	3	29,864	3	17,999	3	6,021	3		3	3	3	3	3	3	3	3
1/4	53,753	1/4	41,683	1/4	29,612	1/4	17,755	1/4	5,771	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,502	1/2	41,431	1/2	29,361	1/2	17,511	1/2	5,521	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,250	3/4	41,180	3/4	29,109	3/4	17,267	3/4	5,271	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	52,999	4	40,928	4	28,858	4	17,023	4	5,021	4		4	4	4	4	4	4	4	4
1/4	52,747	1/4	40,677	1/4	28,606	1/4	16,779	1/4	4,772	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,496	1/2	40,425	1/2	28,355	1/2	16,534	1/2	4,524	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,244	3/4	40,174	3/4	28,103	3/4	16,290	3/4	4,275	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	51,993	5	39,922	5	27,852	5	16,046	5	4,027	5		5	5	5	5	5	5	5	5
1/4	51,741	1/4	39,671	1/4	27,600	1/4	15,802	1/4	3,780	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,490	1/2	39,419	1/2	27,349	1/2	15,558	1/2	3,534	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,238	3/4	39,168	3/4	27,097	3/4	15,313	3/4	3,287	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	50,987	6	38,916	6	26,846	6	15,069	6	3,041	6		6	6	6	6	6	6	6	6
1/4	50,735	1/4	38,665	1/4	26,594	1/4	14,817	1/4	2,811	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,484	1/2	38,413	1/2	26,343	1/2	14,566	1/2	2,581	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,232	3/4	38,162	3/4	26,091	3/4	14,314	3/4	2,351	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	49,981	7	37,911	7	25,840	7	14,063	7	2,121	7		7	7	7	7	7	7	7	7
1/4	49,730	1/4	37,659	1/4	25,589	1/4	13,812	1/4	1,933	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,478	1/2	37,408	1/2	25,337	1/2	13,560	1/2	1,744	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,227	3/4	37,156	3/4	25,086	3/4	13,309	3/4	1,556	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	48,975	8	36,905	8	24,834	8	13,057	8	1,367	8		8	8	8	8	8	8	8	8
1/4	48,724	1/4	36,653	1/4	24,590	1/4	12,806	1/4	1,220	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,472	1/2	36,402	1/2	24,345	1/2	12,555	1/2	1,074	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,221	3/4	36,150	3/4	24,101	3/4	12,303	3/4	927	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	47,969	9	35,899	9	23,857	9	12,052	9	780	9		9	9	9	9	9	9	9	9
1/4	47,718	1/4	35,647	1/4	23,612	1/4	11,800	1/4	676	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,466	1/2	35,396	1/2	23,368	1/2	11,549	1/2	571	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,215	3/4	35,144	3/4	23,124	3/4	11,297	3/4	466	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	46,963	10	34,893	10	22,880	10	11,046	10	361	10		10	10	10	10	10	10	10	10
1/4	46,712	1/4	34,641	1/4	22,636	1/4	10,794	1/4	299	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,460	1/2	34,390	1/2	22,392	1/2	10,543	1/2	236	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,209	3/4	34,138	3/4	22,148	3/4	10,292	3/4	173	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	45,958	11	33,887	11	21,904	11	10,040	11	110	11		11	11	11	11	11	11	11	11
1/4	45,706	1/4	33,636	1/4	21,660	1/4	9,789	1/4	89	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,455	1/2	33,384	1/2	21,416	1/2	9,537	1/2	68	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,203	3/4	33,133	3/4	21,172	3/4	9,286	3/4	47	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: 06/16/2008 CL - SW
CALCULATED: 06/17/2008 CL
PRINTED: 06/17/2008 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2008

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



BARGE "CBC 1304"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	145,988	0	137,218	0	126,540	0	115,802	0	105,025	0	94,249	0	83,473	0	72,696	0	61,920	
1/4	1/4	145,935	1/4	136,996	1/4	126,317	1/4	115,577	1/4	104,801	1/4	94,025	1/4	83,248	1/4	72,472	1/4	61,695	
1/2	1/2	145,882	1/2	136,774	1/2	126,095	1/2	115,353	1/2	104,576	1/2	93,800	1/2	83,024	1/2	72,247	1/2	61,471	
3/4	3/4	145,829	3/4	136,552	3/4	125,872	3/4	115,128	3/4	104,352	3/4	93,576	3/4	82,799	3/4	72,023	3/4	61,246	
1	1	145,776	1	136,330	1	125,649	1	114,904	1	104,127	1	93,351	1	82,575	1	71,798	1	61,022	
1/4	1/4	145,685	1/4	136,108	1/4	125,427	1/4	114,679	1/4	103,903	1/4	93,127	1/4	82,350	1/4	71,574	1/4	60,797	
1/2	1/2	145,595	1/2	135,886	1/2	125,204	1/2	114,455	1/2	103,678	1/2	92,902	1/2	82,126	1/2	71,349	1/2	60,573	
3/4	3/4	145,504	3/4	135,664	3/4	124,982	3/4	114,230	3/4	103,454	3/4	92,678	3/4	81,901	3/4	71,125	3/4	60,348	
2	2	145,414	2	135,442	2	124,759	2	114,006	2	103,229	2	92,453	2	81,677	2	70,900	2	60,124	
1/4	1/4	145,286	1/4	135,220	1/4	124,536	1/4	113,781	1/4	103,005	1/4	92,229	1/4	81,452	1/4	70,676	1/4	59,899	
1/2	1/2	145,158	1/2	134,998	1/2	124,314	1/2	113,557	1/2	102,780	1/2	92,004	1/2	81,228	1/2	70,451	1/2	59,675	
3/4	3/4	145,030	3/4	134,776	3/4	124,091	3/4	113,332	3/4	102,556	3/4	91,780	3/4	81,003	3/4	70,227	3/4	59,450	
3	3	144,902	3	134,554	3	123,868	3	113,108	3	102,331	3	91,555	3	80,779	3	70,002	3	59,226	
1/4	1/4	144,737	1/4	134,331	1/4	123,646	1/4	112,883	1/4	102,107	1/4	91,331	1/4	80,554	1/4	69,778	1/4	59,001	
1/2	1/2	144,572	1/2	134,109	1/2	123,423	1/2	112,659	1/2	101,882	1/2	91,106	1/2	80,330	1/2	69,553	1/2	58,777	
3/4	3/4	144,406	3/4	133,886	3/4	123,201	3/4	112,434	3/4	101,658	3/4	90,882	3/4	80,105	3/4	69,329	3/4	58,552	
4	4	144,241	4	133,663	4	122,978	4	112,210	4	101,433	4	90,657	4	79,881	4	69,104	4	58,328	
1/4	1/4	144,038	1/4	133,441	1/4	122,755	1/4	111,985	1/4	101,209	1/4	90,433	1/4	79,656	1/4	68,880	1/4	58,103	
1/2	1/2	143,835	1/2	133,218	1/2	122,533	1/2	111,761	1/2	100,984	1/2	90,208	1/2	79,432	1/2	68,655	1/2	57,879	
3/4	3/4	143,633	3/4	132,995	3/4	122,310	3/4	111,536	3/4	100,760	3/4	89,984	3/4	79,207	3/4	68,431	3/4	57,654	
5	5	143,430	5	132,773	5	122,088	5	111,311	5	100,535	5	89,759	5	78,983	5	68,206	5	57,430	
1/4	1/4	143,209	1/4	132,550	1/4	121,863	1/4	111,087	1/4	100,311	1/4	89,534	1/4	78,758	1/4	67,982	1/4	57,205	
1/2	1/2	142,987	1/2	132,328	1/2	121,639	1/2	110,862	1/2	100,086	1/2	89,310	1/2	78,534	1/2	67,757	1/2	56,981	
3/4	3/4	142,766	3/4	132,105	3/4	121,414	3/4	110,638	3/4	99,862	3/4	89,085	3/4	78,309	3/4	67,533	3/4	56,756	
6	6	142,544	6	131,882	6	121,190	6	110,413	6	99,637	6	88,861	6	78,085	6	67,308	6	56,532	
1/4	1/4	142,323	1/4	131,660	1/4	120,965	1/4	110,189	1/4	99,413	1/4	88,636	1/4	77,860	1/4	67,084	1/4	56,307	
1/2	1/2	142,101	1/2	131,437	1/2	120,741	1/2	109,964	1/2	99,188	1/2	88,412	1/2	77,636	1/2	66,859	1/2	56,083	
3/4	3/4	141,880	3/4	131,215	3/4	120,516	3/4	109,740	3/4	98,964	3/4	88,187	3/4	77,411	3/4	66,635	3/4	55,858	
7	7	141,658	7	130,992	7	120,292	7	109,515	7	98,739	7	87,963	7	77,187	7	66,410	7	55,634	
1/4	1/4	141,437	1/4	130,769	1/4	120,067	1/4	109,291	1/4	98,515	1/4	87,738	1/4	76,962	1/4	66,186	1/4	55,409	
1/2	1/2	141,216	1/2	130,547	1/2	119,843	1/2	109,066	1/2	98,290	1/2	87,514	1/2	76,738	1/2	65,961	1/2	55,185	
3/4	3/4	140,994	3/4	130,324	3/4	119,618	3/4	108,842	3/4	98,066	3/4	87,289	3/4	76,513	3/4	65,737	3/4	54,960	
8	8	140,773	8	130,102	8	119,394	8	108,617	8	97,841	8	87,065	8	76,288	8	65,512	8	54,736	
1/4	1/4	140,551	1/4	129,879	1/4	119,169	1/4	108,393	1/4	97,617	1/4	86,840	1/4	76,064	1/4	65,288	1/4	54,511	
1/2	1/2	140,330	1/2	129,656	1/2	118,945	1/2	108,168	1/2	97,392	1/2	86,616	1/2	75,839	1/2	65,063	1/2	54,287	
3/4	3/4	140,108	3/4	129,434	3/4	118,720	3/4	107,944	3/4	97,168	3/4	86,391	3/4	75,615	3/4	64,839	3/4	54,062	
9	9	139,887	9	129,211	9	118,496	9	107,719	9	96,943	9	86,167	9	75,390	9	64,614	9	53,838	
1/4	1/4	139,664	1/4	128,988	1/4	118,271	1/4	107,495	1/4	96,719	1/4	85,942	1/4	75,166	1/4	64,390	1/4	53,613	
1/2	1/2	139,442	1/2	128,766	1/2	118,047	1/2	107,270	1/2	96,494	1/2	85,718	1/2	74,941	1/2	64,165	1/2	53,389	
3/4	3/4	139,219	3/4	128,543	3/4	117,822	3/4	107,046	3/4	96,270	3/4	85,493	3/4	74,717	3/4	63,941	3/4	53,164	
10	10	138,997	10	128,321	10	117,598	10	106,821	10	96,045	10	85,269	10	74,492	10	63,716	10	52,940	
1/4	1/4	138,774	1/4	128,098	1/4	117,373	1/4	106,597	1/4	95,821	1/4	85,044	1/4	74,268	1/4	63,492	1/4	52,715	
1/2	1/2	138,551	1/2	127,875	1/2	117,149	1/2	106,372	1/2	95,596	1/2	84,820	1/2	74,043	1/2	63,267	1/2	52,491	
3/4	3/4	138,329	3/4	127,653	3/4	116,924	3/4	106,148	3/4	95,372	3/4	84,595	3/4	73,819	3/4	63,042	3/4	52,266	
11	146,050	11	138,106	11	127,430	11	116,700	11	105,923	11	95,147	11	84,371	11	73,594	11	62,818	11	52,042
1/4	146,035	1/4	137,884	1/4	127,208	1/4	116,475	1/4	105,699	1/4	94,923	1/4	84,146	1/4	73,370	1/4	62,593	1/4	51,817
1/2	146,019	1/2	137,662	1/2	126,985	1/2	116,251	1/2	105,474	1/2	94,698	1/2	83,922	1/2	73,145	1/2	62,369	1/2	51,593
3/4	146,003	3/4	137,440	3/4	126,762	3/4	116,026	3/4	105,250	3/4	94,474	3/4	83,697	3/4	72,921	3/4	62,144	3/4	51,368

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 27'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 1304"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00"

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	51,144	0	40,367	0	29,591	0	18,826	0	8,068	0	26	0	0	0	0	0	0	0	0
1/4	50,919	1/4	40,143	1/4	29,366	1/4	18,602	1/4	7,844	1/4	26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,695	1/2	39,918	1/2	29,142	1/2	18,379	1/2	7,619	1/2	26	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,470	3/4	39,694	3/4	28,917	3/4	18,155	3/4	7,395	3/4	26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	50,246	1	39,469	1	28,693	1	17,931	1	7,170	1	26	1	1	1	1	1	1	1	1
1 1/4	50,021	1 1/4	39,245	1 1/4	28,468	1 1/4	17,707	1 1/4	6,946	1 1/4	26	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	49,796	1 1/2	39,020	1 1/2	28,244	1 1/2	17,484	1 1/2	6,722	1 1/2	26	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	49,572	3/4	38,796	3/4	28,019	3/4	17,260	3/4	6,498	3/4	26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	49,347	2	38,571	2	27,795	2	17,036	2	6,273	2	26	2	2	2	2	2	2	2	2
2 1/4	49,123	2 1/4	38,347	2 1/4	27,570	2 1/4	16,813	2 1/4	6,049	2 1/4	26	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	48,898	2 1/2	38,122	2 1/2	27,346	2 1/2	16,589	2 1/2	5,826	2 1/2	26	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
3/4	48,674	3/4	37,898	3/4	27,121	3/4	16,365	3/4	5,602	3/4	26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	48,449	3	37,673	3	26,897	3	16,142	3	5,378	3	26	3	3	3	3	3	3	3	3
3 1/4	48,225	3 1/4	37,449	3 1/4	26,672	3 1/4	15,918	3 1/4	5,155	3 1/4	26	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	48,000	3 1/2	37,224	3 1/2	26,448	3 1/2	15,694	3 1/2	4,932	3 1/2	26	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
4	47,776	4	37,000	4	26,223	4	15,470	4	4,709	4	26	4	4	4	4	4	4	4	4
4 1/4	47,551	4 1/4	36,775	4 1/4	25,999	4 1/4	15,247	4 1/4	4,485	4 1/4	26	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	47,327	4 1/2	36,550	4 1/2	25,774	4 1/2	15,023	4 1/2	4,263	4 1/2	26	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
3/4	47,102	3/4	36,326	3/4	25,550	3/4	14,799	3/4	4,041	3/4	26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	46,878	5	36,101	5	25,325	5	14,576	5	3,820	5	26	5	5	5	5	5	5	5	5
5 1/4	46,653	5 1/4	35,877	5 1/4	25,101	5 1/4	14,352	5 1/4	3,598	5 1/4	26	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	46,429	5 1/2	35,652	5 1/2	24,876	5 1/2	14,128	5 1/2	3,378	5 1/2	26	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
3/4	46,204	3/4	35,428	3/4	24,652	3/4	13,904	3/4	3,158	3/4	26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	45,980	6	35,203	6	24,427	6	13,680	6	2,937	6	26	6	6	6	6	6	6	6	6
6 1/4	45,755	6 1/4	34,979	6 1/4	24,203	6 1/4	13,456	6 1/4	2,717	6 1/4	26	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	45,531	6 1/2	34,754	6 1/2	23,978	6 1/2	13,231	6 1/2	2,512	6 1/2	26	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2
3/4	45,306	3/4	34,530	3/4	23,754	3/4	13,007	3/4	2,307	3/4	26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	45,082	7	34,305	7	23,529	7	12,782	7	2,102	7	26	7	7	7	7	7	7	7	7
7 1/4	44,857	7 1/4	34,081	7 1/4	23,304	7 1/4	12,558	7 1/4	1,897	7 1/4	26	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	44,633	7 1/2	33,856	7 1/2	23,080	7 1/2	12,333	7 1/2	1,728	7 1/2	26	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2
3/4	44,408	3/4	33,632	3/4	22,855	3/4	12,109	3/4	1,560	3/4	26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	44,184	8	33,407	8	22,631	8	11,885	8	1,392	8	26	8	8	8	8	8	8	8	8
8 1/4	43,959	8 1/4	33,183	8 1/4	22,406	8 1/4	11,660	8 1/4	1,223	8 1/4	26	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	43,735	8 1/2	32,958	8 1/2	22,182	8 1/2	11,436	8 1/2	1,092	8 1/2	26	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
3/4	43,510	3/4	32,734	3/4	21,958	3/4	11,211	3/4	961	3/4	26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	43,286	9	32,509	9	21,734	9	10,987	9	830	9	26	9	9	9	9	9	9	9	9
9 1/4	43,061	9 1/4	32,285	9 1/4	21,510	9 1/4	10,762	9 1/4	700	9 1/4	26	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	42,837	9 1/2	32,060	9 1/2	21,287	9 1/2	10,538	9 1/2	606	9 1/2	26	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2
3/4	42,612	3/4	31,836	3/4	21,063	3/4	10,313	3/4	512	3/4	26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	42,388	10	31,611	10	20,839	10	10,089	10	419	10	26	10	10	10	10	10	10	10	10
10 1/4	42,163	10 1/4	31,387	10 1/4	20,616	10 1/4	9,864	10 1/4	325	10 1/4	26	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	41,939	10 1/2	31,162	10 1/2	20,392	10 1/2	9,640	10 1/2	269	10 1/2	26	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2
3/4	41,714	3/4	30,938	3/4	20,168	3/4	9,415	3/4	213	3/4	26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	41,490	11	30,713	11	19,944	11	9,191	11	157	11	26	11	11	11	11	11	11	11	11
11 1/4	41,265	11 1/4	30,489	11 1/4	19,721	11 1/4	8,966	11 1/4	101	11 1/4	26	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	41,041	11 1/2	30,264	11 1/2	19,497	11 1/2	8,742	11 1/2	82	11 1/2	26	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2
3/4	40,816	3/4	30,040	3/4	19,273	3/4	8,517	3/4	64	3/4	26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	40,592	12	29,815	12	19,050	12	8,293	12	45	12	26	12	12	12	12	12	12	12	12

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/16/2008 CL - SW
CALCULATED: 06/17/2008 CL
PRINTED: 06/17/2008 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2008

PRECISION MEASUREMENT
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