



BARGE "CBC 77"

INNAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 159'-03"

November 21, 2007

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



BARGE "CBC 77"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00" 7/8"

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	27	0	8,047	0	18,604	0	29,225	0	39,973	0	50,720	0	61,467	0	72,214	0	82,961	0	93,709
1/4	45	1/4	8,271	1/4	18,820	1/4	29,449	1/4	40,197	1/4	50,944	1/4	61,691	1/4	72,438	1/4	83,185	1/4	93,932
1/2	64	1/2	8,495	1/2	19,036	1/2	29,673	1/2	40,420	1/2	51,168	1/2	61,915	1/2	72,662	1/2	83,409	1/2	94,156
3/4	83	3/4	8,719	3/4	19,252	3/4	29,897	3/4	40,644	3/4	51,391	3/4	62,139	3/4	72,886	3/4	83,633	3/4	94,380
1	101	1	8,942	1	19,468	1	30,121	1	40,868	1	51,615	1	62,363	1	73,110	1	83,857	1	94,604
1/4	157	1/4	9,166	1/4	19,684	1/4	30,345	1/4	41,092	1/4	51,839	1/4	62,586	1/4	73,334	1/4	84,081	1/4	94,828
1/2	213	1/2	9,390	1/2	19,900	1/2	30,569	1/2	41,316	1/2	52,063	1/2	62,810	1/2	73,558	1/2	84,305	1/2	95,052
3/4	269	3/4	9,614	3/4	20,116	3/4	30,793	3/4	41,540	3/4	52,287	3/4	63,034	3/4	73,781	3/4	84,529	3/4	95,276
2	325	2	9,838	2	20,332	2	31,017	2	41,764	2	52,511	2	63,258	2	74,005	2	84,753	2	95,500
1/4	418	1/4	10,062	1/4	20,548	1/4	31,241	1/4	41,988	1/4	52,735	1/4	63,482	1/4	74,229	1/4	84,976	1/4	95,724
1/2	512	1/2	10,286	1/2	20,764	1/2	31,464	1/2	42,212	1/2	52,959	1/2	63,706	1/2	74,453	1/2	85,200	1/2	95,948
3/4	605	3/4	10,510	3/4	20,979	3/4	31,688	3/4	42,435	3/4	53,183	3/4	63,930	3/4	74,677	3/4	85,424	3/4	96,171
3	698	3	10,734	3	21,195	3	31,912	3	42,659	3	53,407	3	64,154	3	74,901	3	85,648	3	96,395
1/4	829	1/4	10,957	1/4	21,412	1/4	32,136	1/4	42,883	1/4	53,630	1/4	64,378	1/4	75,125	1/4	85,872	1/4	96,619
1/2	959	1/2	11,181	1/2	21,628	1/2	32,360	1/2	43,107	1/2	53,854	1/2	64,602	1/2	75,349	1/2	86,096	1/2	96,843
3/4	1,090	3/4	11,405	3/4	21,844	3/4	32,584	3/4	43,331	3/4	54,078	3/4	64,825	3/4	75,573	3/4	86,320	3/4	97,067
4	1,220	4	11,629	4	22,061	4	32,808	4	43,555	4	54,302	4	65,049	4	75,797	4	86,544	4	97,291
1/4	1,388	1/4	11,853	1/4	22,285	1/4	33,032	1/4	43,779	1/4	54,526	1/4	65,273	1/4	76,020	1/4	86,768	1/4	97,515
1/2	1,556	1/2	12,077	1/2	22,508	1/2	33,256	1/2	44,003	1/2	54,750	1/2	65,497	1/2	76,244	1/2	86,992	1/2	97,739
3/4	1,724	3/4	12,300	3/4	22,732	3/4	33,480	3/4	44,227	3/4	54,974	3/4	65,721	3/4	76,468	3/4	87,215	3/4	97,963
5	1,892	5	12,524	5	22,956	5	33,703	5	44,451	5	55,198	5	65,945	5	76,692	5	87,439	5	98,187
1/4	2,097	1/4	12,748	1/4	23,180	1/4	33,927	1/4	44,674	1/4	55,422	1/4	66,169	1/4	76,916	1/4	87,663	1/4	98,410
1/2	2,301	1/2	12,972	1/2	23,404	1/2	34,151	1/2	44,898	1/2	55,646	1/2	66,393	1/2	77,140	1/2	87,887	1/2	98,634
3/4	2,506	3/4	13,196	3/4	23,628	3/4	34,375	3/4	45,122	3/4	55,869	3/4	66,617	3/4	77,364	3/4	88,111	3/4	98,858
6	2,711	6	13,420	6	23,852	6	34,599	6	45,346	6	56,093	6	66,841	6	77,588	6	88,335	6	99,082
1/4	2,930	1/4	13,636	1/4	24,076	1/4	34,823	1/4	45,570	1/4	56,317	1/4	67,064	1/4	77,812	1/4	88,559	1/4	99,306
1/2	3,149	1/2	13,852	1/2	24,300	1/2	35,047	1/2	45,794	1/2	56,541	1/2	67,288	1/2	78,036	1/2	88,783	1/2	99,530
3/4	3,369	3/4	14,069	3/4	24,524	3/4	35,271	3/4	46,018	3/4	56,765	3/4	67,512	3/4	78,259	3/4	89,007	3/4	99,754
7	3,588	7	14,285	7	24,747	7	35,495	7	46,242	7	56,989	7	67,736	7	78,483	7	89,231	7	99,978
1/4	3,810	1/4	14,501	1/4	24,971	1/4	35,719	1/4	46,466	1/4	57,213	1/4	67,960	1/4	78,707	1/4	89,454	1/4	100,202
1/2	4,031	1/2	14,717	1/2	25,195	1/2	35,942	1/2	46,690	1/2	57,437	1/2	68,184	1/2	78,931	1/2	89,678	1/2	100,426
3/4	4,252	3/4	14,933	3/4	25,419	3/4	36,166	3/4	46,913	3/4	57,661	3/4	68,408	3/4	79,155	3/4	89,902	3/4	100,649
8	4,474	8	15,149	8	25,643	8	36,390	8	47,137	8	57,885	8	68,632	8	79,379	8	90,126	8	100,873
1/4	4,696	1/4	15,365	1/4	25,867	1/4	36,614	1/4	47,361	1/4	58,108	1/4	68,856	1/4	79,603	1/4	90,350	1/4	101,097
1/2	4,919	1/2	15,581	1/2	26,091	1/2	36,838	1/2	47,585	1/2	58,332	1/2	69,080	1/2	79,827	1/2	90,574	1/2	101,321
3/4	5,141	3/4	15,797	3/4	26,315	3/4	37,062	3/4	47,809	3/4	58,556	3/4	69,303	3/4	80,051	3/4	90,798	3/4	101,545
9	5,364	9	16,013	9	26,539	9	37,286	9	48,033	9	58,780	9	69,527	9	80,275	9	91,022	9	101,769
1/4	5,587	1/4	16,228	1/4	26,763	1/4	37,510	1/4	48,257	1/4	59,004	1/4	69,751	1/4	80,498	1/4	91,246	1/4	101,992
1/2	5,810	1/2	16,444	1/2	26,986	1/2	37,734	1/2	48,481	1/2	59,228	1/2	69,975	1/2	80,722	1/2	91,470	1/2	102,216
3/4	6,034	3/4	16,660	3/4	27,210	3/4	37,958	3/4	48,705	3/4	59,452	3/4	70,199	3/4	80,946	3/4	91,693	3/4	102,440
10	6,257	10	16,876	10	27,434	10	38,181	10	48,929	10	59,676	10	70,423	10	81,170	10	91,917	10	102,664
1/4	6,480	1/4	17,092	1/4	27,658	1/4	38,405	1/4	49,152	1/4	59,900	1/4	70,647	1/4	81,394	1/4	92,141	1/4	102,888
1/2	6,704	1/2	17,308	1/2	27,882	1/2	38,629	1/2	49,376	1/2	60,124	1/2	70,871	1/2	81,618	1/2	92,365	1/2	103,111
3/4	6,928	3/4	17,524	3/4	28,106	3/4	38,853	3/4	49,600	3/4	60,347	3/4	71,095	3/4	81,842	3/4	92,589	3/4	103,335
11	7,151	11	17,740	11	28,330	11	39,077	11	49,824	11	60,571	11	71,319	11	82,066	11	92,813	11	103,559
1/4	7,375	1/4	17,956	1/4	28,554	1/4	39,301	1/4	50,048	1/4	60,795	1/4	71,542	1/4	82,290	1/4	93,037	1/4	103,783
1/2	7,599	1/2	18,172	1/2	28,778	1/2	39,525	1/2	50,272	1/2	61,019	1/2	71,766	1/2	82,514	1/2	93,261	1/2	104,007
3/4	7,823	3/4	18,388	3/4	29,002	3/4	39,749	3/4	50,496	3/4	61,243	3/4	71,990	3/4	82,737	3/4	93,485	3/4	104,230

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 28'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77568



BARGE "CBC 77"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 7/8"

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	104,454	0	115,197	0	125,910	0	136,560	0	145,978	0		0		0		0		0	
1/4	104,678	1/4	115,421	1/4	126,132	1/4	136,781	1/4	146,031	1/4		1/4		1/4		1/4		1/4	
1/2	104,902	1/2	115,645	1/2	126,354	1/2	137,003	1/2	146,084	1/2		1/2		1/2		1/2		1/2	
3/4	105,126	3/4	115,868	3/4	126,576	3/4	137,224	3/4	146,136	3/4		3/4		3/4		3/4		3/4	
1	105,349	1	116,092	1	126,798	1	137,445	1	146,189	1		1		1		1		1	
1/4	105,573	1/4	116,316	1/4	127,020	1/4	137,667	1/4	146,205	1/4		1/4		1/4		1/4		1/4	
1/2	105,797	1/2	116,540	1/2	127,242	1/2	137,888	1/2	146,220	1/2		1/2		1/2		1/2		1/2	
3/4	106,021	3/4	116,764	3/4	127,464	3/4	138,109	3/4	146,236	3/4		3/4		3/4		3/4		3/4	
2	106,245	2	116,987	2	127,686	2	138,331	2	146,251	2		2		2		2		2	
1/4	106,469	1/4	117,211	1/4	127,908	1/4	138,553	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	106,692	1/2	117,435	1/2	128,130	1/2	138,775	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	106,916	3/4	117,659	3/4	128,352	3/4	138,997	3/4		3/4		3/4		3/4		3/4		3/4	
3	107,140	3	117,883	3	128,574	3	139,219	3		3		3		3		3		3	
1/4	107,364	1/4	118,106	1/4	128,796	1/4	139,441	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	107,588	1/2	118,330	1/2	129,018	1/2	139,663	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	107,811	3/4	118,554	3/4	129,240	3/4	139,885	3/4		3/4		3/4		3/4		3/4		3/4	
4	108,035	4	118,778	4	129,462	4	140,107	4		4		4		4		4		4	
1/4	108,259	1/4	119,002	1/4	129,684	1/4	140,327	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	108,483	1/2	119,226	1/2	129,906	1/2	140,548	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	108,707	3/4	119,449	3/4	130,128	3/4	140,769	3/4		3/4		3/4		3/4		3/4		3/4	
5	108,930	5	119,673	5	130,350	5	140,990	5		5		5		5		5		5	
1/4	109,154	1/4	119,897	1/4	130,571	1/4	141,211	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	109,378	1/2	120,121	1/2	130,793	1/2	141,431	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	109,602	3/4	120,345	3/4	131,015	3/4	141,652	3/4		3/4		3/4		3/4		3/4		3/4	
6	109,826	6	120,568	6	131,237	6	141,873	6		6		6		6		6		6	
1/4	110,049	1/4	120,792	1/4	131,459	1/4	142,094	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	110,273	1/2	121,016	1/2	131,681	1/2	142,315	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	110,497	3/4	121,240	3/4	131,903	3/4	142,535	3/4		3/4		3/4		3/4		3/4		3/4	
7	110,721	7	121,464	7	132,125	7	142,756	7		7		7		7		7		7	
1/4	110,945	1/4	121,687	1/4	132,347	1/4	142,977	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,168	1/2	121,911	1/2	132,569	1/2	143,198	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	111,392	3/4	122,135	3/4	132,791	3/4	143,418	3/4		3/4		3/4		3/4		3/4		3/4	
8	111,616	8	122,359	8	133,013	8	143,639	8		8		8		8		8		8	
1/4	111,840	1/4	122,581	1/4	133,235	1/4	143,841	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,064	1/2	122,803	1/2	133,457	1/2	144,044	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,287	3/4	123,025	3/4	133,679	3/4	144,246	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,511	9	123,247	9	133,901	9	144,448	9		9		9		9		9		9	
1/4	112,735	1/4	123,469	1/4	134,123	1/4	144,613	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,959	1/2	123,691	1/2	134,345	1/2	144,777	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,183	3/4	123,913	3/4	134,567	3/4	144,942	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,407	10	124,135	10	134,789	10	145,107	10		10		10		10		10		10	
1/4	113,630	1/4	124,357	1/4	135,010	1/4	145,235	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,854	1/2	124,578	1/2	135,232	1/2	145,362	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,078	3/4	124,800	3/4	135,453	3/4	145,490	3/4		3/4		3/4		3/4		3/4		3/4	
11	114,302	11	125,022	11	135,674	11	145,617	11		11		11		11		11		11	
1/4	114,526	1/4	125,244	1/4	135,896	1/4	145,707	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,749	1/2	125,466	1/2	136,117	1/2	145,797	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,973	3/4	125,688	3/4	136,338	3/4	145,888	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 11/21/2007 CL - SW
CALCULATED: 11/21/2007 CL
PRINTED: 11/21/2007 CL

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2007

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



BARGE "CBC 77"

2 CENTER INNAGE 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.	0	1	2	3	4	5	6	7	8	9				
0	26	8,999	20,846	32,753	44,777	56,801	68,824	80,848	92,872	0	104,895	105,146	105,396	105,647	105,897	106,148	106,398	106,649	106,899				
1/4	47	9,250	21,090	33,004	45,028	57,051	69,075	81,098	93,122	10	108,152	108,402	108,653	108,903	109,154	109,404	109,655	109,905	110,156				
1/2	68	9,500	21,333	33,254	45,278	57,302	69,325	81,349	93,372	20	110,181	110,431	110,681	110,931	111,181	111,431	111,681	111,931	112,181				
3/4	89	9,751	21,576	33,505	45,529	57,552	69,575	81,599	93,623	30	112,210	112,460	112,710	112,960	113,210	113,460	113,710	113,960	114,210				
1	110	10,001	21,819	33,755	45,779	57,803	69,826	81,850	93,874	40	114,239	114,489	114,739	114,989	115,239	115,489	115,739	115,989	116,239				
1 1/4	172	10,252	22,062	34,006	46,030	58,053	70,077	82,100	94,124	50	116,268	116,518	116,768	117,018	117,268	117,518	117,768	118,018	118,268				
1 1/2	235	10,502	22,305	34,256	46,280	58,304	70,327	82,351	94,375	60	118,297	118,547	118,797	119,047	119,297	119,547	119,797	120,047	120,297				
1 3/4	297	10,753	22,548	34,507	46,531	58,554	70,578	82,601	94,625	70	120,326	120,576	120,826	121,076	121,326	121,576	121,826	122,076	122,326				
2	360	11,003	22,791	34,757	46,781	58,805	70,828	82,852	94,876	80	122,355	122,605	122,855	123,105	123,355	123,605	123,855	124,105	124,355				
1/4	464	11,253	23,035	35,008	47,032	59,055	71,079	83,102	95,126	90	124,384	124,634	124,884	125,134	125,384	125,634	125,884	126,134	126,384				
1/2	569	11,504	23,278	35,258	47,282	59,306	71,329	83,353	95,377	100	126,413	126,663	126,913	127,163	127,413	127,663	127,913	128,163	128,413				
3/4	673	11,754	23,521	35,507	47,533	59,556	71,580	83,603	95,627	110	128,442	128,692	128,942	129,192	129,442	129,692	129,942	130,192	130,442				
3	777	12,005	23,764	35,759	47,783	59,807	71,830	83,854	95,878	120	130,471	130,721	130,971	131,221	131,471	131,721	131,971	132,221	132,471				
1/4	924	12,255	24,007	36,010	48,033	60,057	72,081	84,104	96,128	130	132,500	132,750	133,000	133,250	133,500	133,750	134,000	134,250	134,500				
1/2	1,070	12,506	24,251	36,260	48,284	60,308	72,331	84,355	96,379	140	134,529	134,779	135,029	135,279	135,529	135,779	136,029	136,279	136,529				
3/4	1,216	12,756	24,494	36,511	48,534	60,558	72,582	84,605	96,629	150	136,558	136,808	137,058	137,308	137,558	137,808	138,058	138,308	138,558				
4	1,362	13,007	24,738	36,751	48,785	60,809	72,832	84,856	96,880	160	138,587	138,837	139,087	139,337	139,587	139,837	140,087	140,337	140,587				
1/4	1,550	13,257	24,988	37,012	49,035	61,059	73,083	85,106	97,130	170	140,616	140,866	141,116	141,366	141,616	141,866	142,116	142,366	142,616				
1/2	1,738	13,508	25,239	37,262	49,286	61,310	73,333	85,357	97,381	180	142,645	142,895	143,145	143,395	143,645	143,895	144,145	144,395	144,645				
3/4	1,925	13,758	25,489	37,513	49,536	61,560	73,584	85,607	97,631	190	144,674	144,924	145,174	145,424	145,674	145,924	146,174	146,424	146,674				
5	2,113	14,008	25,740	37,753	49,787	61,811	73,834	85,858	97,881	200	146,703	146,953	147,203	147,453	147,703	147,953	148,203	148,453	148,703				
1/4	2,342	14,259	25,990	38,014	50,037	62,061	74,085	86,108	98,132	210	148,732	148,982	149,232	149,482	149,732	149,982	150,232	150,482	150,732				
1/2	2,571	14,509	26,241	38,264	50,288	62,312	74,335	86,359	98,382	220	150,761	151,011	151,261	151,511	151,761	152,011	152,261	152,511	152,761				
3/4	2,800	14,759	26,491	38,515	50,538	62,562	74,586	86,609	98,633	230	152,790	153,040	153,290	153,540	153,790	154,040	154,290	154,540	154,790				
6	3,029	15,010	26,742	38,766	50,789	62,813	74,836	86,860	98,883	240	154,819	155,069	155,319	155,569	155,819	156,069	156,319	156,569	156,819				
1/4	3,274	15,264	26,992	39,016	51,039	63,063	75,087	87,110	99,134	250	156,848	157,098	157,348	157,598	157,848	158,098	158,348	158,598	158,848				
1/2	3,520	15,497	27,243	39,266	51,290	63,314	75,337	87,361	99,384	260	158,877	159,127	159,377	159,627	159,877	160,127	160,377	160,627	160,877				
3/4	3,765	15,741	27,493	39,517	51,540	63,564	75,588	87,611	99,635	270	160,906	161,156	161,406	161,656	161,906	162,156	162,406	162,656	162,906				
7	4,011	15,984	27,744	39,767	51,791	63,815	75,838	87,862	99,885	280	162,935	163,185	163,435	163,685	163,935	164,185	164,435	164,685	164,935				
1/4	4,259	16,227	27,994	40,018	52,041	64,065	76,089	88,112	100,136	290	164,964	165,214	165,464	165,714	165,964	166,214	166,464	166,714	166,964				
1/2	4,506	16,470	28,245	40,268	52,292	64,316	76,339	88,363	100,386	300	166,993	167,243	167,493	167,743	167,993	168,243	168,493	168,743	168,993				
3/4	4,754	16,713	28,495	40,519	52,542	64,566	76,590	88,613	100,637	310	169,022	169,272	169,522	169,772	170,022	170,272	170,522	170,772	171,022				
8	5,002	16,957	28,746	40,769	52,793	64,816	76,840	88,864	100,887	320	171,051	171,301	171,551	171,801	172,051	172,301	172,551	172,801	173,051				
1/4	5,250	17,200	28,996	41,020	53,043	65,067	77,091	89,114	101,138	330	173,080	173,330	173,580	173,830	174,080	174,330	174,580	174,830	175,080				
1/2	5,499	17,443	29,247	41,270	53,294	65,317	77,341	89,365	101,388	340	175,109	175,359	175,609	175,859	176,109	176,359	176,609	176,859	177,109				
3/4	5,748	17,686	29,497	41,521	53,544	65,568	77,592	89,615	101,639	350	177,138	177,388	177,638	177,888	178,138	178,388	178,638	178,888	179,138				
9	5,997	17,929	29,748	41,771	53,795	65,818	77,842	89,866	101,889	360	179,167	179,417	179,667	179,917	180,167	180,417	180,667	180,917	181,167				
1/4	6,247	18,172	29,998	42,022	54,045	66,069	78,093	90,116	102,140	370	181,196	181,446	181,696	181,946	182,196	182,446	182,696	182,946	183,196				
1/2	6,497	18,415	30,249	42,272	54,296	66,319	78,343	90,367	102,390	380	183,225	183,475	183,725	183,975	184,225	184,475	184,725	184,975	185,225				
3/4	6,747	18,658	30,499	42,523	54,546	66,572	78,596	90,617	102,641	390	185,254	185,504	185,754	186,004	186,254	186,504	186,754	187,004	187,254				
10	6,996	18,901	30,750	42,773	54,797	66,820	78,844	90,868	102,891	400	187,283	187,533	187,783	188,033	188,283	188,533	188,783	189,033	189,283				
1/4	7,247	19,145	31,000	43,024	55,047	67,071	79,095	91,118	103,142	410	189,312	189,562	189,812	190,062	190,312	190,562	190,812	191,062	191,312				
1/2	7,497	19,388	31,251	43,274	55,298	67,321	79,345	91,369	103,392	420	191,341	191,591	191,841	192,091	192,341	192,591	192,841	193,091	193,341				
3/4	7,747	19,631	31,501	43,525	55,548	67,572	79,596	91,619	103,643	430	193,370	193,620	193,870	194,120	194,370	194,620	194,870	195,120	195,370				
11	7,997	19,874	31,751	43,775	55,799	67,822	79,846	91,870	103,893	440	195,400	195,650	195,900	196,150	196,400	196,650	196,900	197,150	197,400				
1/4	8,248	20,117	32,002	44,026	56,049	68,073	80,097	92,120	104,144	450	197,429	197,679	197,929	198,179	198,429	198,679	198,929	199,179	199,429				
1/2	8,498	20,360	32,252	44,276	56,300	68,323	80,347	92,371	104,394	460	199,458	199,708	199,958	200,208	200,458	200,708	200,958	201,208	201,458				
3/4	8,749	20,603	32,503	44,527	56,550	68,574	80,598	92,621	104,645	470	201,487	201,737	201,987	202,237	202,487	202,737	202,987	203,237	203,487				

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPWS CHAPTER 2.7.
 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 32'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pasland, Texas 77586



BARGE "CBC 77"

2 CENTER INNAGE 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	116,917	0	128,936	0	140,922	0	152,836	0	163,373	0		0		0		0		0	
1/4	117,168	1/4	129,186	1/4	141,170	1/4	153,084	1/4	163,432	1/4		1/4		1/4		1/4		1/4	
1/2	117,418	1/2	129,437	1/2	141,418	1/2	153,331	1/2	163,491	1/2		1/2		1/2		1/2		1/2	
3/4	117,668	3/4	129,687	3/4	141,667	3/4	153,579	3/4	163,550	3/4		3/4		3/4		3/4		3/4	
1	117,919	1	129,937	1	141,915	1	153,827	1	163,609	1		1		1		1		1	
1/4	118,169	1/4	130,188	1/4	142,163	1/4	154,074	1/4	163,627	1/4		1/4		1/4		1/4		1/4	
1/2	118,420	1/2	130,438	1/2	142,412	1/2	154,322	1/2	163,644	1/2		1/2		1/2		1/2		1/2	
3/4	118,670	3/4	130,689	3/4	142,660	3/4	154,570	3/4	163,661	3/4		3/4		3/4		3/4		3/4	
2	118,920	2	130,939	2	142,908	2	154,817	2	163,679	2		2		2		2		2	
1/4	119,171	1/4	131,189	1/4	143,157	1/4	155,066	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	119,421	1/2	131,440	1/2	143,405	1/2	155,314	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	119,672	3/4	131,690	3/4	143,653	3/4	155,562	3/4		3/4		3/4		3/4		3/4		3/4	
3	119,922	3	131,941	3	143,901	3	155,811	3		3		3		3		3		3	
1/4	120,172	1/4	132,191	1/4	144,150	1/4	156,059	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120,423	1/2	132,441	1/2	144,398	1/2	156,307	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,673	3/4	132,692	3/4	144,646	3/4	156,556	3/4		3/4		3/4		3/4		3/4		3/4	
4	120,923	4	132,942	4	144,895	4	156,804	4		4		4		4		4		4	
1/4	121,174	1/4	133,193	1/4	145,143	1/4	157,051	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,424	1/2	133,443	1/2	145,391	1/2	157,298	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	121,675	3/4	133,693	3/4	145,640	3/4	157,545	3/4		3/4		3/4		3/4		3/4		3/4	
5	121,925	5	133,944	5	145,888	5	157,792	5		5		5		5		5		5	
1/4	122,175	1/4	134,194	1/4	146,136	1/4	158,039	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	122,426	1/2	134,444	1/2	146,385	1/2	158,286	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	122,676	3/4	134,695	3/4	146,633	3/4	158,533	3/4		3/4		3/4		3/4		3/4		3/4	
6	122,927	6	134,945	6	146,881	6	158,780	6		6		6		6		6		6	
1/4	123,177	1/4	135,196	1/4	147,130	1/4	159,027	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	123,427	1/2	135,446	1/2	147,378	1/2	159,274	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	123,678	3/4	135,696	3/4	147,626	3/4	159,521	3/4		3/4		3/4		3/4		3/4		3/4	
7	123,928	7	135,947	7	147,875	7	159,768	7		7		7		7		7		7	
1/4	124,179	1/4	136,197	1/4	148,123	1/4	160,015	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	124,429	1/2	136,448	1/2	148,371	1/2	160,262	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	124,679	3/4	136,698	3/4	148,620	3/4	160,509	3/4		3/4		3/4		3/4		3/4		3/4	
8	124,930	8	136,948	8	148,868	8	160,756	8		8		8		8		8		8	
1/4	125,180	1/4	137,197	1/4	149,116	1/4	160,982	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	125,430	1/2	137,445	1/2	149,365	1/2	161,209	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	125,681	3/4	137,693	3/4	149,613	3/4	161,435	3/4		3/4		3/4		3/4		3/4		3/4	
9	125,931	9	137,942	9	149,861	9	161,661	9		9		9		9		9		9	
1/4	126,182	1/4	138,190	1/4	150,110	1/4	161,845	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,432	1/2	138,438	1/2	150,358	1/2	162,030	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,682	3/4	138,687	3/4	150,606	3/4	162,214	3/4		3/4		3/4		3/4		3/4		3/4	
10	126,933	10	138,935	10	150,855	10	162,398	10		10		10		10		10		10	
1/4	127,183	1/4	139,183	1/4	151,102	1/4	162,541	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,434	1/2	139,432	1/2	151,350	1/2	162,684	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,684	3/4	139,680	3/4	151,598	3/4	162,826	3/4		3/4		3/4		3/4		3/4		3/4	
11	127,934	11	139,928	11	151,845	11	162,969	11		11		11		11		11		11	
1/4	128,185	1/4	140,177	1/4	152,093	1/4	163,070	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,435	1/2	140,425	1/2	152,341	1/2	163,171	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,686	3/4	140,673	3/4	152,588	3/4	163,272	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/21/2007 CL - SW
CALCULATED: 11/21/2007 CL
PRINTED: 11/21/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2007

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



BARGE "CBC 77"

3 CENTER INNAGE 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	26	0	7,909	0	18,453	0	29,005	0	39,568	0	50,132	0	60,695	0	71,258	0	81,821	0	92,384
1/4	44	1/4	8,129	1/4	18,673	1/4	29,225	1/4	39,789	1/4	50,352	1/4	60,915	1/4	71,478	1/4	82,041	1/4	92,605
1/2	62	1/2	8,349	1/2	18,892	1/2	29,445	1/2	40,009	1/2	50,572	1/2	61,135	1/2	71,698	1/2	82,261	1/2	92,825
3/4	81	3/4	8,569	3/4	19,111	3/4	29,665	3/4	40,229	3/4	50,792	3/4	61,355	3/4	71,918	3/4	82,481	3/4	93,045
1	99	1	8,789	1	19,331	1	29,886	1	40,449	1	51,012	1	61,575	1	72,138	1	82,702	1	93,265
1/4	154	1/4	9,009	1/4	19,550	1/4	30,106	1/4	40,669	1/4	51,232	1/4	61,795	1/4	72,358	1/4	82,922	1/4	93,485
1/2	209	1/2	9,229	1/2	19,769	1/2	30,326	1/2	40,889	1/2	51,452	1/2	62,015	1/2	72,578	1/2	83,142	1/2	93,705
3/4	264	3/4	9,449	3/4	19,988	3/4	30,546	3/4	41,109	3/4	51,672	3/4	62,235	3/4	72,799	3/4	83,362	3/4	93,925
2	319	2	9,669	2	20,208	2	30,766	2	41,329	2	51,892	2	62,455	2	73,019	2	83,582	2	94,145
1/4	411	1/4	9,889	1/4	20,427	1/4	30,986	1/4	41,549	1/4	52,112	1/4	62,675	1/4	73,239	1/4	83,802	1/4	94,365
1/2	502	1/2	10,109	1/2	20,646	1/2	31,206	1/2	41,769	1/2	52,332	1/2	62,896	1/2	73,459	1/2	84,022	1/2	94,585
3/4	594	3/4	10,329	3/4	20,865	3/4	31,426	3/4	41,989	3/4	52,552	3/4	63,116	3/4	73,679	3/4	84,242	3/4	94,805
3	686	3	10,549	3	21,085	3	31,646	3	42,209	3	52,772	3	63,336	3	73,899	3	84,462	3	95,025
1/4	814	1/4	10,769	1/4	21,304	1/4	31,866	1/4	42,429	1/4	52,993	1/4	63,556	1/4	74,119	1/4	84,682	1/4	95,245
1/2	942	1/2	10,989	1/2	21,524	1/2	32,086	1/2	42,649	1/2	53,213	1/2	63,776	1/2	74,339	1/2	84,902	1/2	95,465
3/4	1,071	3/4	11,209	3/4	21,744	3/4	32,306	3/4	42,869	3/4	53,433	3/4	63,996	3/4	74,559	3/4	85,122	3/4	95,685
4	1,199	4	11,429	4	21,963	4	32,526	4	43,090	4	53,653	4	64,216	4	74,779	4	85,342	4	95,906
1/4	1,364	1/4	11,649	1/4	22,183	1/4	32,746	1/4	43,310	1/4	53,873	1/4	64,436	1/4	74,999	1/4	85,562	1/4	96,126
1/2	1,529	1/2	11,869	1/2	22,403	1/2	32,966	1/2	43,530	1/2	54,093	1/2	64,656	1/2	75,219	1/2	85,782	1/2	96,346
3/4	1,694	3/4	12,089	3/4	22,623	3/4	33,187	3/4	43,750	3/4	54,313	3/4	64,876	3/4	75,439	3/4	86,003	3/4	96,566
5	1,859	5	12,309	5	22,843	5	33,407	5	43,970	5	54,533	5	65,096	5	75,659	5	86,223	5	96,786
1/4	2,060	1/4	12,530	1/4	23,063	1/4	33,627	1/4	44,190	1/4	54,753	1/4	65,316	1/4	75,879	1/4	86,443	1/4	97,006
1/2	2,261	1/2	12,750	1/2	23,284	1/2	33,847	1/2	44,410	1/2	54,973	1/2	65,536	1/2	76,100	1/2	86,663	1/2	97,226
3/4	2,463	3/4	12,970	3/4	23,504	3/4	34,067	3/4	44,630	3/4	55,193	3/4	65,756	3/4	76,320	3/4	86,883	3/4	97,446
6	2,664	6	13,190	6	23,724	6	34,287	6	44,850	6	55,413	6	65,976	6	76,540	6	87,103	6	97,666
1/4	2,879	1/4	13,409	1/4	23,944	1/4	34,507	1/4	45,070	1/4	55,633	1/4	66,197	1/4	76,760	1/4	87,323	1/4	97,886
1/2	3,095	1/2	13,629	1/2	24,164	1/2	34,727	1/2	45,290	1/2	55,853	1/2	66,417	1/2	76,980	1/2	87,543	1/2	98,106
3/4	3,311	3/4	13,848	3/4	24,384	3/4	34,947	3/4	45,510	3/4	56,073	3/4	66,637	3/4	77,200	3/4	87,763	3/4	98,326
7	3,526	7	14,068	7	24,604	7	35,167	7	45,730	7	56,294	7	66,857	7	77,420	7	87,983	7	98,546
1/4	3,744	1/4	14,287	1/4	24,824	1/4	35,387	1/4	45,950	1/4	56,514	1/4	67,077	1/4	77,640	1/4	88,203	1/4	98,766
1/2	3,962	1/2	14,507	1/2	25,044	1/2	35,607	1/2	46,170	1/2	56,734	1/2	67,297	1/2	77,860	1/2	88,423	1/2	98,986
3/4	4,179	3/4	14,726	3/4	25,264	3/4	35,827	3/4	46,391	3/4	56,954	3/4	67,517	3/4	78,080	3/4	88,643	3/4	99,207
8	4,397	8	14,945	8	25,484	8	36,047	8	46,611	8	57,174	8	67,737	8	78,300	8	88,863	8	99,427
1/4	4,615	1/4	15,164	1/4	25,704	1/4	36,267	1/4	46,831	1/4	57,394	1/4	67,957	1/4	78,520	1/4	89,083	1/4	99,647
1/2	4,834	1/2	15,384	1/2	25,924	1/2	36,488	1/2	47,051	1/2	57,614	1/2	68,177	1/2	78,740	1/2	89,304	1/2	99,867
3/4	5,053	3/4	15,603	3/4	26,144	3/4	36,708	3/4	47,271	3/4	57,834	3/4	68,397	3/4	78,960	3/4	89,524	3/4	100,087
9	5,272	9	15,822	9	26,364	9	36,928	9	47,491	9	58,054	9	68,617	9	79,180	9	89,744	9	100,307
1/4	5,491	1/4	16,041	1/4	26,585	1/4	37,148	1/4	47,711	1/4	58,274	1/4	68,837	1/4	79,401	1/4	89,964	1/4	100,527
1/2	5,710	1/2	16,261	1/2	26,805	1/2	37,368	1/2	47,931	1/2	58,494	1/2	69,057	1/2	79,621	1/2	90,184	1/2	100,747
3/4	5,930	3/4	16,480	3/4	27,025	3/4	37,588	3/4	48,151	3/4	58,714	3/4	69,277	3/4	79,841	3/4	90,404	3/4	100,967
10	6,149	10	16,699	10	27,245	10	37,808	10	48,371	10	58,934	10	69,498	10	80,061	10	90,624	10	101,187
1/4	6,369	1/4	16,919	1/4	27,465	1/4	38,028	1/4	48,591	1/4	59,154	1/4	69,718	1/4	80,281	1/4	90,844	1/4	101,407
1/2	6,589	1/2	17,138	1/2	27,685	1/2	38,248	1/2	48,811	1/2	59,374	1/2	69,938	1/2	80,501	1/2	91,064	1/2	101,627
3/4	6,809	3/4	17,357	3/4	27,905	3/4	38,468	3/4	49,031	3/4	59,595	3/4	70,158	3/4	80,721	3/4	91,284	3/4	101,847
11	7,029	11	17,576	11	28,125	11	38,688	11	49,251	11	59,815	11	70,378	11	80,941	11	91,504	11	102,067
1/4	7,249	1/4	17,796	1/4	28,345	1/4	38,908	1/4	49,471	1/4	60,035	1/4	70,598	1/4	81,161	1/4	91,724	1/4	102,287
1/2	7,469	1/2	18,015	1/2	28,565	1/2	39,128	1/2	49,692	1/2	60,255	1/2	70,818	1/2	81,381	1/2	91,944	1/2	102,507
3/4	7,689	3/4	18,234	3/4	28,785	3/4	39,348	3/4	49,912	3/4	60,475	3/4	71,038	3/4	81,601	3/4	92,164	3/4	102,727

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 25'-08" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 77"

3 CENTER
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

		CAPACITIES GIVEN IN WHOLE GALLONS												GAUGE HEIGHT 15'-00" 1/4"	
		10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.				
0	10	0	1	2	3	4	5	6	7	8	9	0	1	2	3
1/4	1/4	102,948	113,510	124,044	134,513	143,772	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1/2	1/2	103,168	113,731	124,262	134,731	143,824	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
3/4	3/4	103,608	114,171	124,698	135,166	143,928	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1	1	103,828	114,391	124,916	135,383	143,980	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1/4	1/4	104,048	114,611	125,135	135,601	143,995	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1/2	1/2	104,268	114,831	125,353	135,819	144,010	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
3/4	3/4	104,488	115,051	125,571	136,036	144,026	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1	1	104,708	115,271	125,789	136,254	144,041	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1/4	1/4	104,928	115,491	126,008	136,472	144,056	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1/2	1/2	105,148	115,711	126,226	136,690	144,071	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
3/4	3/4	105,368	115,931	126,444	136,909	144,086	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1	1	105,588	116,151	126,662	137,127	144,101	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1/4	1/4	105,808	116,371	126,880	137,345	144,116	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1/2	1/2	106,028	116,591	127,099	137,563	144,131	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
3/4	3/4	106,248	116,811	127,317	137,781	144,146	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1	1	106,469	117,031	127,535	138,000	144,161	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1/4	1/4	106,689	117,251	127,753	138,217	144,176	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1/2	1/2	106,909	117,472	127,971	138,434	144,191	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
3/4	3/4	107,129	117,692	128,190	138,651	144,206	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1	1	107,349	117,912	128,408	138,868	144,221	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1/4	1/4	107,569	118,132	128,626	139,085	144,236	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1/2	1/2	107,789	118,352	128,844	139,302	144,251	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
3/4	3/4	108,009	118,572	129,062	139,519	144,266	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1	1	108,229	118,792	129,281	139,736	144,281	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1/4	1/4	108,449	119,012	129,499	139,953	144,296	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1/2	1/2	108,669	119,232	129,717	140,170	144,311	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
3/4	3/4	108,889	119,452	129,935	140,387	144,326	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1	1	109,109	119,672	130,153	140,604	144,341	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1/4	1/4	109,329	119,892	130,372	140,821	144,356	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1/2	1/2	109,549	120,112	130,590	141,038	144,371	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
3/4	3/4	109,769	120,332	130,808	141,255	144,386	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1	1	109,989	120,552	131,026	141,473	144,401	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1/4	1/4	110,210	120,771	131,244	141,671	144,416	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1/2	1/2	110,430	120,989	131,463	141,870	144,431	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
3/4	3/4	110,650	121,207	131,681	142,069	144,446	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1	1	110,870	121,425	131,899	142,267	144,461	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1/4	1/4	111,090	121,643	132,117	142,429	144,476	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1/2	1/2	111,310	121,862	132,335	142,591	144,491	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
3/4	3/4	111,530	122,080	132,554	142,754	144,506	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1	1	111,750	122,298	132,772	142,916	144,521	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1/4	1/4	111,970	122,516	132,990	143,041	144,536	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1/2	1/2	112,190	122,734	133,207	143,166	144,551	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
3/4	3/4	112,410	122,953	133,425	143,292	144,566	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1	1	112,630	123,171	133,642	143,417	144,581	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1/4	1/4	112,850	123,389	133,860	143,506	144,596	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
1/2	1/2	113,070	123,607	134,078	143,594	144,611	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808
3/4	3/4	113,290	123,825	134,295	143,683	144,626	153,000	162,226	171,452	180,678	189,904	199,130	208,356	217,582	226,808

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/21/2007 CL. SW
CALCULATED: 11/21/2007 CL
PRINTED: 11/21/2007 CL

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2007



BARGE "CBC 77"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 159'-03"

November 21, 2007

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 77"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 7/8"

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		0	146,163	0	137,335	0	126,687	0	115,980	0	105,238	0	94,492	0	83,745	0	72,998	0	62,251	
1/4	1/4	146,110	1/4	137,113	1/4	126,465	1/4	115,757	1/4	105,014	1/4	94,268	1/4	83,521	1/4	72,774	1/4	62,027		
1/2	1/2	146,057	1/2	136,892	1/2	126,243	1/2	115,533	1/2	104,790	1/2	94,044	1/2	83,297	1/2	72,550	1/2	61,803		
3/4	3/4	146,004	3/4	136,671	3/4	126,021	3/4	115,309	3/4	104,566	3/4	93,820	3/4	83,073	3/4	72,326	3/4	61,579		
1	1	145,933	1	136,449	1	125,799	1	115,085	1	104,342	1	93,597	1	82,849	1	72,102	1	61,355		
1/4	1/4	145,843	1/4	136,228	1/4	125,577	1/4	114,861	1/4	104,119	1/4	93,373	1/4	82,625	1/4	71,878	1/4	61,131		
1/2	1/2	145,752	1/2	136,006	1/2	125,355	1/2	114,637	1/2	103,895	1/2	93,149	1/2	82,402	1/2	71,654	1/2	60,907		
3/4	3/4	145,662	3/4	135,785	3/4	125,133	3/4	114,414	3/4	103,671	3/4	92,925	3/4	82,178	3/4	71,431	3/4	60,683		
2	2	145,553	2	135,564	2	124,911	2	114,190	2	103,447	2	92,701	2	81,954	2	71,207	2	60,459		
1/4	1/4	145,426	1/4	135,342	1/4	124,689	1/4	113,966	1/4	103,223	1/4	92,477	1/4	81,730	1/4	70,983	1/4	60,236		
1/2	1/2	145,298	1/2	135,121	1/2	124,467	1/2	113,742	1/2	102,999	1/2	92,253	1/2	81,506	1/2	70,759	1/2	60,012		
3/4	3/4	145,171	3/4	134,899	3/4	124,246	3/4	113,518	3/4	102,776	3/4	92,029	3/4	81,282	3/4	70,535	3/4	59,788		
3	3	145,025	3	134,678	3	124,024	3	113,295	3	102,552	3	91,805	3	81,058	3	70,311	3	59,564		
1/4	1/4	144,860	1/4	134,456	1/4	123,802	1/4	113,071	1/4	102,328	1/4	91,581	1/4	80,834	1/4	70,087	1/4	59,340		
1/2	1/2	144,695	1/2	134,234	1/2	123,580	1/2	112,847	1/2	102,104	1/2	91,358	1/2	80,610	1/2	69,863	1/2	59,116		
3/4	3/4	144,530	3/4	134,012	3/4	123,358	3/4	112,623	3/4	101,880	3/4	91,134	3/4	80,386	3/4	69,639	3/4	58,892		
4	4	144,347	4	133,790	4	123,136	4	112,399	4	101,657	4	90,910	4	80,163	4	69,415	4	58,668		
1/4	1/4	144,145	1/4	133,568	1/4	122,914	1/4	112,176	1/4	101,433	1/4	90,686	1/4	79,939	1/4	69,192	1/4	58,444		
1/2	1/2	143,942	1/2	133,346	1/2	122,692	1/2	111,952	1/2	101,209	1/2	90,462	1/2	79,715	1/2	68,968	1/2	58,220		
3/4	3/4	143,740	3/4	133,124	3/4	122,470	3/4	111,728	3/4	100,985	3/4	90,238	3/4	79,491	3/4	68,744	3/4	57,997		
5	5	143,529	5	132,902	5	122,247	5	111,504	5	100,761	5	90,014	5	79,267	5	68,520	5	57,773		
1/4	1/4	143,308	1/4	132,680	1/4	122,023	1/4	111,280	1/4	100,537	1/4	89,790	1/4	79,043	1/4	68,296	1/4	57,549		
1/2	1/2	143,087	1/2	132,458	1/2	121,799	1/2	111,057	1/2	100,314	1/2	89,566	1/2	78,819	1/2	68,072	1/2	57,325		
3/4	3/4	142,866	3/4	132,236	3/4	121,576	3/4	110,833	3/4	100,090	3/4	89,342	3/4	78,595	3/4	67,848	3/4	57,101		
6	6	142,646	6	132,014	6	121,352	6	110,609	6	99,866	6	89,119	6	78,371	6	67,624	6	56,877		
1/4	1/4	142,425	1/4	131,792	1/4	121,128	1/4	110,385	1/4	99,642	1/4	88,895	1/4	78,148	1/4	67,400	1/4	56,653		
1/2	1/2	142,204	1/2	131,570	1/2	120,904	1/2	110,161	1/2	99,418	1/2	88,671	1/2	77,924	1/2	67,176	1/2	56,429		
3/4	3/4	141,983	3/4	131,348	3/4	120,680	3/4	109,938	3/4	99,194	3/4	88,447	3/4	77,700	3/4	66,953	3/4	56,205		
7	7	141,763	7	131,126	7	120,456	7	109,714	7	98,970	7	88,223	7	77,476	7	66,729	7	55,981		
1/4	1/4	141,542	1/4	130,904	1/4	120,233	1/4	109,490	1/4	98,746	1/4	87,999	1/4	77,252	1/4	66,505	1/4	55,758		
1/2	1/2	141,321	1/2	130,682	1/2	120,009	1/2	109,266	1/2	98,522	1/2	87,775	1/2	77,028	1/2	66,281	1/2	55,534		
3/4	3/4	141,100	3/4	130,461	3/4	119,785	3/4	109,042	3/4	98,298	3/4	87,551	3/4	76,804	3/4	66,057	3/4	55,310		
8	8	140,879	8	130,239	8	119,561	8	108,818	8	98,075	8	87,327	8	76,580	8	65,833	8	55,086		
1/4	1/4	140,659	1/4	130,017	1/4	119,337	1/4	108,595	1/4	97,851	1/4	87,103	1/4	76,356	1/4	65,609	1/4	54,862		
1/2	1/2	140,438	1/2	129,795	1/2	119,114	1/2	108,371	1/2	97,627	1/2	86,880	1/2	76,132	1/2	65,385	1/2	54,638		
3/4	3/4	140,217	3/4	129,573	3/4	118,890	3/4	108,147	3/4	97,403	3/4	86,656	3/4	75,909	3/4	65,161	3/4	54,414		
9	9	139,996	9	129,351	9	118,666	9	107,923	9	97,179	9	86,432	9	75,685	9	64,937	9	54,190		
1/4	1/4	139,774	1/4	129,129	1/4	118,442	1/4	107,699	1/4	96,955	1/4	86,208	1/4	75,461	1/4	64,714	1/4	53,966		
1/2	1/2	139,552	1/2	128,907	1/2	118,218	1/2	107,476	1/2	96,731	1/2	85,984	1/2	75,237	1/2	64,490	1/2	53,742		
3/4	3/4	139,330	3/4	128,685	3/4	117,995	3/4	107,252	3/4	96,507	3/4	85,760	3/4	75,013	3/4	64,266	3/4	53,519		
10	10	139,108	10	128,463	10	117,771	10	107,028	10	96,283	10	85,536	10	74,789	10	64,042	10	53,295		
1/4	1/4	138,886	1/4	128,241	1/4	117,547	1/4	106,804	1/4	96,059	1/4	85,312	1/4	74,565	1/4	63,818	1/4	53,071		
1/2	1/2	138,664	1/2	128,019	1/2	117,323	1/2	106,580	1/2	95,836	1/2	85,088	1/2	74,341	1/2	63,594	1/2	52,847		
7/8	146,251	3/4	138,442	3/4	127,797	3/4	117,099	3/4	106,357	3/4	95,612	3/4	84,864	3/4	74,117	3/4	63,370	3/4	52,623	
11	146,244	11	138,220	11	127,575	11	116,876	11	106,133	11	95,388	11	84,641	11	73,893	11	63,146	11	52,399	
1/4	146,228	1/4	137,999	1/4	127,353	1/4	116,652	1/4	105,909	1/4	95,164	1/4	84,417	1/4	73,670	1/4	62,922	1/4	52,175	
1/2	146,213	1/2	137,777	1/2	127,131	1/2	116,428	1/2	105,685	1/2	94,940	1/2	84,193	1/2	73,446	1/2	62,698	1/2	51,951	
3/4	146,197	3/4	137,556	3/4	126,909	3/4	116,204	3/4	105,461	3/4	94,716	3/4	83,969	3/4	73,222	3/4	62,475	3/4	51,727	

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 28'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 77"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 7/8"

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	51,503	0	40,756	0	30,009	0	19,360	0	8,831	0	92	0	0	0	0	0	0	0	0
1/4	51,280	1/4	40,532	1/4	29,785	1/4	19,144	1/4	8,607	1/4	73	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,056	1/2	40,308	1/2	29,561	1/2	18,928	1/2	8,383	1/2	55	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,832	3/4	40,085	3/4	29,337	3/4	18,712	3/4	8,159	3/4	36	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	50,608	1	39,861	1	29,113	1	18,496	1	7,935	7/8	27	1	1	1	1	1	1	1	1
1/4	50,384	1/4	39,637	1/4	28,890	1/4	18,280	1/4	7,711	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,160	1/2	39,413	1/2	28,666	1/2	18,064	1/2	7,487	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,936	3/4	39,189	3/4	28,442	3/4	17,848	3/4	7,263	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	49,712	2	38,965	2	28,218	2	17,632	2	7,040	2	2	2	2	2	2	2	2	2	2
1/4	49,488	1/4	38,741	1/4	27,994	1/4	17,416	1/4	6,816	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,264	1/2	38,517	1/2	27,770	1/2	17,200	1/2	6,592	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,041	3/4	38,293	3/4	27,546	3/4	16,984	3/4	6,369	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	48,817	3	38,069	3	27,322	3	16,768	3	6,145	3	3	3	3	3	3	3	3	3	3
1/4	48,593	1/4	37,846	1/4	27,098	1/4	16,552	1/4	5,922	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,369	1/2	37,622	1/2	26,874	1/2	16,336	1/2	5,699	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,145	3/4	37,398	3/4	26,651	3/4	16,121	3/4	5,475	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	47,921	4	37,174	4	26,427	4	15,905	4	5,253	4	4	4	4	4	4	4	4	4	4
1/4	47,697	1/4	36,950	1/4	26,203	1/4	15,689	1/4	5,030	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,473	1/2	36,726	1/2	25,979	1/2	15,473	1/2	4,807	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,249	3/4	36,502	3/4	25,755	3/4	15,257	3/4	4,585	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	47,025	5	36,278	5	25,531	5	15,041	5	4,363	5	5	5	5	5	5	5	5	5	5
1/4	46,802	1/4	36,054	1/4	25,307	1/4	14,825	1/4	4,142	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,578	1/2	35,830	1/2	25,083	1/2	14,609	1/2	3,920	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,354	3/4	35,607	3/4	24,859	3/4	14,393	3/4	3,699	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	46,130	6	35,383	6	24,635	6	14,177	6	3,479	6	6	6	6	6	6	6	6	6	6
1/4	45,906	1/4	35,159	1/4	24,412	1/4	13,960	1/4	3,259	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,682	1/2	34,935	1/2	24,188	1/2	13,744	1/2	3,040	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,458	3/4	34,711	3/4	23,964	3/4	13,528	3/4	2,820	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	45,234	7	34,487	7	23,740	7	13,308	7	2,608	7	7	7	7	7	7	7	7	7	7
1/4	45,010	1/4	34,263	1/4	23,516	1/4	13,084	1/4	2,404	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,786	1/2	34,039	1/2	23,292	1/2	12,860	1/2	2,199	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,563	3/4	33,815	3/4	23,068	3/4	12,636	3/4	1,994	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	44,339	8	33,591	8	22,844	8	12,412	8	1,808	8	8	8	8	8	8	8	8	8	8
1/4	44,115	1/4	33,368	1/4	22,620	1/4	12,189	1/4	1,640	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,891	1/2	33,144	1/2	22,396	1/2	11,965	1/2	1,472	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,667	3/4	32,920	3/4	22,173	3/4	11,741	3/4	1,304	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	43,443	9	32,696	9	21,952	9	11,517	9	1,155	9	9	9	9	9	9	9	9	9	9
1/4	43,219	1/4	32,472	1/4	21,736	1/4	11,293	1/4	1,025	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,995	1/2	32,248	1/2	21,520	1/2	11,069	1/2	894	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,771	3/4	32,024	3/4	21,304	3/4	10,845	3/4	763	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	42,547	10	31,800	10	21,087	10	10,622	10	651	10	10	10	10	10	10	10	10	10	10
1/4	42,324	1/4	31,576	1/4	20,872	1/4	10,398	1/4	558	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,100	1/2	31,352	1/2	20,656	1/2	10,174	1/2	465	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,876	3/4	31,129	3/4	20,440	3/4	9,950	3/4	372	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	41,652	11	30,905	11	20,224	11	9,726	11	297	11	11	11	11	11	11	11	11	11	11
1/4	41,428	1/4	30,681	1/4	20,008	1/4	9,502	1/4	241	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,204	1/2	30,457	1/2	19,792	1/2	9,278	1/2	185	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,980	3/4	30,233	3/4	19,576	3/4	9,054	3/4	129	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: 11/21/2007 CL - SW
CALCULATED: 11/21/2007 CL
PRINTED: 11/21/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2007

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



BARGE "CBC 77"

2 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	57,051	0	45,028	0	33,004	0	21,090	0	9,250	0	47	0		0		0		0	
1/4	56,801	1/4	44,777	1/4	32,753	1/4	20,846	1/4	8,999	1/4	26	1/4		1/4		1/4		1/4	
1/2	56,550	1/2	44,527	1/2	32,503	1/2	20,603	1/2	8,749	1/2		1/2		1/2		1/2		1/2	
3/4	56,300	3/4	44,276	3/4	32,252	3/4	20,360	3/4	8,498	3/4		3/4		3/4		3/4		3/4	
1	56,049	1	44,026	1	32,002	1	20,117	1	8,248	1	1	1		1		1		1	
1/4	55,799	1/4	43,775	1/4	31,751	1/4	19,874	1/4	7,997	1/4		1/4		1/4		1/4		1/4	
1/2	55,548	1/2	43,525	1/2	31,501	1/2	19,631	1/2	7,747	1/2		1/2		1/2		1/2		1/2	
3/4	55,298	3/4	43,274	3/4	31,251	3/4	19,388	3/4	7,497	3/4		3/4		3/4		3/4		3/4	
2	55,047	2	43,024	2	31,000	2	19,145	2	7,247	2	2	2		2		2		2	
1/4	54,797	1/4	42,773	1/4	30,750	1/4	18,901	1/4	6,996	1/4		1/4		1/4		1/4		1/4	
1/2	54,546	1/2	42,523	1/2	30,499	1/2	18,658	1/2	6,747	1/2		1/2		1/2		1/2		1/2	
3/4	54,296	3/4	42,272	3/4	30,249	3/4	18,415	3/4	6,497	3/4		3/4		3/4		3/4		3/4	
3	54,045	3	42,022	3	29,998	3	18,172	3	6,247	3	3	3		3		3		3	
1/4	53,795	1/4	41,771	1/4	29,748	1/4	17,929	1/4	5,997	1/4		1/4		1/4		1/4		1/4	
1/2	53,544	1/2	41,521	1/2	29,497	1/2	17,686	1/2	5,748	1/2		1/2		1/2		1/2		1/2	
3/4	53,294	3/4	41,270	3/4	29,247	3/4	17,443	3/4	5,499	3/4		3/4		3/4		3/4		3/4	
4	53,043	4	41,020	4	28,996	4	17,200	4	5,250	4	4	4		4		4		4	
1/4	52,793	1/4	40,769	1/4	28,746	1/4	16,957	1/4	5,002	1/4		1/4		1/4		1/4		1/4	
1/2	52,542	1/2	40,519	1/2	28,495	1/2	16,713	1/2	4,754	1/2		1/2		1/2		1/2		1/2	
3/4	52,292	3/4	40,268	3/4	28,245	3/4	16,470	3/4	4,506	3/4		3/4		3/4		3/4		3/4	
5	52,041	5	40,018	5	27,994	5	16,227	5	4,259	5	5	5		5		5		5	
1/4	51,791	1/4	39,767	1/4	27,744	1/4	15,984	1/4	4,011	1/4		1/4		1/4		1/4		1/4	
1/2	51,540	1/2	39,517	1/2	27,493	1/2	15,741	1/2	3,765	1/2		1/2		1/2		1/2		1/2	
3/4	51,290	3/4	39,266	3/4	27,243	3/4	15,497	3/4	3,520	3/4		3/4		3/4		3/4		3/4	
6	51,039	6	39,016	6	26,992	6	15,254	6	3,274	6	6	6		6		6		6	
1/4	50,789	1/4	38,765	1/4	26,742	1/4	15,010	1/4	3,029	1/4		1/4		1/4		1/4		1/4	
1/2	50,538	1/2	38,515	1/2	26,491	1/2	14,760	1/2	2,800	1/2		1/2		1/2		1/2		1/2	
3/4	50,288	3/4	38,264	3/4	26,241	3/4	14,509	3/4	2,571	3/4		3/4		3/4		3/4		3/4	
7	50,037	7	38,014	7	25,990	7	14,259	7	2,342	7	7	7		7		7		7	
1/4	49,787	1/4	37,763	1/4	25,740	1/4	14,008	1/4	2,113	1/4		1/4		1/4		1/4		1/4	
1/2	49,536	1/2	37,513	1/2	25,489	1/2	13,758	1/2	1,925	1/2		1/2		1/2		1/2		1/2	
3/4	49,286	3/4	37,262	3/4	25,239	3/4	13,508	3/4	1,738	3/4		3/4		3/4		3/4		3/4	
8	49,035	8	37,012	8	24,988	8	13,257	8	1,550	8	8	8		8		8		8	
1/4	48,785	1/4	36,761	1/4	24,738	1/4	13,007	1/4	1,362	1/4		1/4		1/4		1/4		1/4	
1/2	48,534	1/2	36,511	1/2	24,494	1/2	12,756	1/2	1,216	1/2		1/2		1/2		1/2		1/2	
3/4	48,284	3/4	36,260	3/4	24,251	3/4	12,506	3/4	1,070	3/4		3/4		3/4		3/4		3/4	
9	48,033	9	36,010	9	24,007	9	12,255	9	924	9	9	9		9		9		9	
1/4	47,783	1/4	35,759	1/4	23,764	1/4	12,005	1/4	777	1/4		1/4		1/4		1/4		1/4	
1/2	47,533	1/2	35,509	1/2	23,521	1/2	11,754	1/2	673	1/2		1/2		1/2		1/2		1/2	
3/4	47,282	3/4	35,258	3/4	23,278	3/4	11,504	3/4	569	3/4		3/4		3/4		3/4		3/4	
10	47,032	10	35,008	10	23,035	10	11,253	10	464	10	10	10		10		10		10	
1/4	46,781	1/4	34,757	1/4	22,791	1/4	11,003	1/4	360	1/4		1/4		1/4		1/4		1/4	
1/2	46,531	1/2	34,507	1/2	22,548	1/2	10,753	1/2	297	1/2		1/2		1/2		1/2		1/2	
3/4	46,280	3/4	34,256	3/4	22,305	3/4	10,502	3/4	235	3/4		3/4		3/4		3/4		3/4	
11	46,030	11	34,006	11	22,062	11	10,252	11	172	11	11	11		11		11		11	
1/4	45,779	1/4	33,755	1/4	21,819	1/4	10,001	1/4	110	1/4		1/4		1/4		1/4		1/4	
1/2	45,529	1/2	33,505	1/2	21,576	1/2	9,751	1/2	89	1/2		1/2		1/2		1/2		1/2	
3/4	45,278	3/4	33,254	3/4	21,333	3/4	9,500	3/4	68	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/21/2007 CL - SW
CALCULATED: 11/21/2007 CL
PRINTED: 11/21/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2007

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 77"

3 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		IN		IN		IN		IN											
0		0	143,824	0	134,731	0	124,262	0	113,731	0	103,168	0	92,605	0	82,041	0	71,478	0	60,915
1/4		1/4	143,772	1/4	134,513	1/4	124,044	1/4	113,510	1/4	102,948	1/4	92,384	1/4	81,821	1/4	71,258	1/4	60,695
1/2		1/2	143,683	1/2	134,295	1/2	123,825	1/2	113,290	1/2	102,727	1/2	92,164	1/2	81,601	1/2	71,038	1/2	60,475
3/4		3/4	143,594	3/4	134,078	3/4	123,607	3/4	113,070	3/4	102,507	3/4	91,944	3/4	81,381	3/4	70,818	3/4	60,255
1		1	143,506	1	133,860	1	123,389	1	112,850	1	102,287	1	91,724	1	81,161	1	70,598	1	60,035
1/4		1/4	143,417	1/4	133,642	1/4	123,171	1/4	112,630	1/4	102,067	1/4	91,504	1/4	80,941	1/4	70,378	1/4	59,815
1/2		1/2	143,292	1/2	133,425	1/2	122,953	1/2	112,410	1/2	101,847	1/2	91,284	1/2	80,721	1/2	70,158	1/2	59,595
3/4		3/4	143,166	3/4	133,207	3/4	122,734	3/4	112,190	3/4	101,627	3/4	91,064	3/4	80,501	3/4	69,938	3/4	59,374
2		2	143,041	2	132,990	2	122,516	2	111,970	2	101,407	2	90,844	2	80,281	2	69,718	2	59,154
1/4		1/4	142,916	1/4	132,772	1/4	122,298	1/4	111,750	1/4	101,187	1/4	90,624	1/4	80,061	1/4	69,498	1/4	58,934
1/2		1/2	142,754	1/2	132,554	1/2	122,080	1/2	111,530	1/2	100,967	1/2	90,404	1/2	79,841	1/2	69,277	1/2	58,714
3/4		3/4	142,591	3/4	132,335	3/4	121,862	3/4	111,310	3/4	100,747	3/4	90,184	3/4	79,621	3/4	69,057	3/4	58,494
3		3	142,429	3	132,117	3	121,643	3	111,090	3	100,527	3	89,964	3	79,401	3	68,837	3	58,274
1/4		1/4	142,267	1/4	131,899	1/4	121,425	1/4	110,870	1/4	100,307	1/4	89,744	1/4	79,180	1/4	68,617	1/4	58,054
1/2		1/2	142,069	1/2	131,681	1/2	121,207	1/2	110,650	1/2	100,087	1/2	89,524	1/2	78,960	1/2	68,397	1/2	57,834
3/4		3/4	141,870	3/4	131,463	3/4	120,989	3/4	110,430	3/4	99,867	3/4	89,304	3/4	78,740	3/4	68,177	3/4	57,614
4		4	141,671	4	131,244	4	120,771	4	110,210	4	99,647	4	89,083	4	78,520	4	67,957	4	57,394
1/4		1/4	141,473	1/4	131,026	1/4	120,552	1/4	109,989	1/4	99,427	1/4	88,863	1/4	78,300	1/4	67,737	1/4	57,174
1/2		1/2	141,255	1/2	130,808	1/2	120,332	1/2	109,769	1/2	99,207	1/2	88,643	1/2	78,080	1/2	67,517	1/2	56,954
3/4		3/4	141,038	3/4	130,590	3/4	120,112	3/4	109,549	3/4	98,986	3/4	88,423	3/4	77,860	3/4	67,297	3/4	56,734
5		5	140,821	5	130,372	5	119,892	5	109,329	5	98,766	5	88,203	5	77,640	5	67,077	5	56,514
1/4		1/4	140,604	1/4	130,153	1/4	119,672	1/4	109,109	1/4	98,546	1/4	87,983	1/4	77,420	1/4	66,857	1/4	56,294
1/2		1/2	140,387	1/2	129,935	1/2	119,452	1/2	108,889	1/2	98,326	1/2	87,763	1/2	77,200	1/2	66,637	1/2	56,073
3/4		3/4	140,170	3/4	129,717	3/4	119,232	3/4	108,669	3/4	98,106	3/4	87,543	3/4	76,980	3/4	66,417	3/4	55,853
6		6	139,953	6	129,499	6	119,012	6	108,449	6	97,886	6	87,323	6	76,760	6	66,197	6	55,633
1/4		1/4	139,736	1/4	129,281	1/4	118,792	1/4	108,229	1/4	97,666	1/4	87,103	1/4	76,540	1/4	65,976	1/4	55,413
1/2		1/2	139,519	1/2	129,062	1/2	118,572	1/2	108,009	1/2	97,446	1/2	86,883	1/2	76,320	1/2	65,756	1/2	55,193
3/4		3/4	139,302	3/4	128,844	3/4	118,352	3/4	107,789	3/4	97,226	3/4	86,663	3/4	76,100	3/4	65,536	3/4	54,973
7		7	139,085	7	128,626	7	118,132	7	107,569	7	97,006	7	86,443	7	75,879	7	65,316	7	54,753
1/4		1/4	138,868	1/4	128,408	1/4	117,912	1/4	107,349	1/4	96,786	1/4	86,223	1/4	75,659	1/4	65,096	1/4	54,533
1/2		1/2	138,651	1/2	128,190	1/2	117,692	1/2	107,129	1/2	96,566	1/2	86,003	1/2	75,439	1/2	64,876	1/2	54,313
3/4		3/4	138,434	3/4	127,971	3/4	117,472	3/4	106,909	3/4	96,346	3/4	85,782	3/4	75,219	3/4	64,656	3/4	54,093
8		8	138,217	8	127,753	8	117,251	8	106,689	8	96,126	8	85,562	8	74,999	8	64,436	8	53,873
1/4		1/4	138,000	1/4	127,535	1/4	117,031	1/4	106,469	1/4	95,906	1/4	85,342	1/4	74,779	1/4	64,216	1/4	53,653
1/2		1/2	137,781	1/2	127,317	1/2	116,811	1/2	106,248	1/2	95,685	1/2	85,122	1/2	74,559	1/2	63,996	1/2	53,433
3/4		3/4	137,563	3/4	127,099	3/4	116,591	3/4	106,028	3/4	95,465	3/4	84,902	3/4	74,339	3/4	63,776	3/4	53,213
9		9	137,345	9	126,880	9	116,371	9	105,808	9	95,245	9	84,682	9	74,119	9	63,556	9	52,993
1/4		1/4	137,127	1/4	126,662	1/4	116,151	1/4	105,588	1/4	95,025	1/4	84,462	1/4	73,899	1/4	63,336	1/4	52,772
1/2		1/2	136,909	1/2	126,444	1/2	115,931	1/2	105,368	1/2	94,805	1/2	84,242	1/2	73,679	1/2	63,116	1/2	52,552
3/4		3/4	136,690	3/4	126,226	3/4	115,711	3/4	105,148	3/4	94,585	3/4	84,022	3/4	73,459	3/4	62,896	3/4	52,332
10		10	136,472	10	126,008	10	115,491	10	104,928	10	94,365	10	83,802	10	73,239	10	62,675	10	52,112
1/4	144,041	1/4	136,254	1/4	125,789	1/4	115,271	1/4	104,708	1/4	94,145	1/4	83,582	1/4	73,019	1/4	62,455	1/4	51,892
1/2	144,026	1/2	136,036	1/2	125,571	1/2	115,051	1/2	104,488	1/2	93,925	1/2	83,362	1/2	72,799	1/2	62,235	1/2	51,672
3/4	144,010	3/4	135,819	3/4	125,353	3/4	114,831	3/4	104,268	3/4	93,705	3/4	83,142	3/4	72,578	3/4	62,015	3/4	51,452
11	143,995	11	135,601	11	125,135	11	114,611	11	104,048	11	93,485	11	82,922	11	72,358	11	61,795	11	51,232
1/4	143,980	1/4	135,383	1/4	124,916	1/4	114,391	1/4	103,828	1/4	93,265	1/4	82,702	1/4	72,138	1/4	61,575	1/4	51,012
1/2	143,928	1/2	135,166	1/2	124,698	1/2	114,171	1/2	103,608	1/2	93,045	1/2	82,481	1/2	71,918	1/2	61,355	1/2	50,792
3/4	143,876	3/4	134,948	3/4	124,480	3/4	113,951	3/4	103,388	3/4	92,825	3/4	82,261	3/4	71,698	3/4	61,135	3/4	50,572

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 25'-08" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CBC 77"

3 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	50,362	0	39,789	0	29,225	0	18,673	0	8,129	0	44	0	0	0	0	0	0	0	0
1/4	50,132	1/4	39,568	1/4	29,005	1/4	18,453	1/4	7,909	1/4	26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,912	1/2	39,348	1/2	28,785	1/2	18,234	1/2	7,689	1/2	26	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,692	3/4	39,128	3/4	28,565	3/4	18,015	3/4	7,469	3/4	26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	49,471	1	38,908	1	28,345	1	17,796	1	7,249	1	1	1	1	1	1	1	1	1	1
1/4	49,251	1/4	38,688	1/4	28,125	1/4	17,576	1/4	7,029	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,031	1/2	38,468	1/2	27,905	1/2	17,357	1/2	6,809	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,811	3/4	38,248	3/4	27,685	3/4	17,138	3/4	6,589	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	48,591	2	38,028	2	27,465	2	16,919	2	6,369	2	2	2	2	2	2	2	2	2	2
1/4	48,371	1/4	37,808	1/4	27,245	1/4	16,699	1/4	6,149	1/4	2	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,151	1/2	37,588	1/2	27,025	1/2	16,480	1/2	5,930	1/2	2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,931	3/4	37,368	3/4	26,805	3/4	16,261	3/4	5,710	3/4	2	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	47,711	3	37,148	3	26,585	3	16,041	3	5,491	3	3	3	3	3	3	3	3	3	3
1/4	47,491	1/4	36,928	1/4	26,364	1/4	15,822	1/4	5,272	1/4	3	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,271	1/2	36,708	1/2	26,144	1/2	15,603	1/2	5,053	1/2	3	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,051	3/4	36,488	3/4	25,924	3/4	15,384	3/4	4,834	3/4	3	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	46,831	4	36,267	4	25,704	4	15,164	4	4,615	4	4	4	4	4	4	4	4	4	4
1/4	46,611	1/4	36,047	1/4	25,484	1/4	14,945	1/4	4,397	1/4	4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,391	1/2	35,827	1/2	25,264	1/2	14,726	1/2	4,179	1/2	4	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,170	3/4	35,607	3/4	25,044	3/4	14,507	3/4	3,962	3/4	4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	45,950	5	35,387	5	24,824	5	14,287	5	3,744	5	5	5	5	5	5	5	5	5	5
1/4	45,730	1/4	35,167	1/4	24,604	1/4	14,068	1/4	3,526	1/4	5	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,510	1/2	34,947	1/2	24,384	1/2	13,848	1/2	3,311	1/2	5	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,290	3/4	34,727	3/4	24,164	3/4	13,629	3/4	3,095	3/4	5	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	45,070	6	34,507	6	23,944	6	13,409	6	2,879	6	6	6	6	6	6	6	6	6	6
1/4	44,850	1/4	34,287	1/4	23,724	1/4	13,190	1/4	2,664	1/4	6	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,630	1/2	34,067	1/2	23,504	1/2	12,970	1/2	2,463	1/2	6	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,410	3/4	33,847	3/4	23,284	3/4	12,750	3/4	2,261	3/4	6	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	44,190	7	33,627	7	23,063	7	12,530	7	2,060	7	7	7	7	7	7	7	7	7	7
1/4	43,970	1/4	33,407	1/4	22,843	1/4	12,309	1/4	1,859	1/4	7	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,750	1/2	33,187	1/2	22,623	1/2	12,089	1/2	1,694	1/2	7	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,530	3/4	32,966	3/4	22,403	3/4	11,869	3/4	1,529	3/4	7	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	43,310	8	32,746	8	22,183	8	11,649	8	1,364	8	8	8	8	8	8	8	8	8	8
1/4	43,090	1/4	32,526	1/4	21,963	1/4	11,429	1/4	1,199	1/4	8	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,869	1/2	32,306	1/2	21,744	1/2	11,209	1/2	1,071	1/2	8	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,649	3/4	32,086	3/4	21,524	3/4	10,989	3/4	942	3/4	8	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	42,429	9	31,866	9	21,304	9	10,769	9	814	9	9	9	9	9	9	9	9	9	9
1/4	42,209	1/4	31,646	1/4	21,085	1/4	10,549	1/4	686	1/4	9	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,989	1/2	31,426	1/2	20,865	1/2	10,329	1/2	594	1/2	9	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,769	3/4	31,206	3/4	20,646	3/4	10,109	3/4	502	3/4	9	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	41,549	10	30,986	10	20,427	10	9,889	10	411	10	10	10	10	10	10	10	10	10	10
1/4	41,329	1/4	30,766	1/4	20,208	1/4	9,669	1/4	319	1/4	10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,109	1/2	30,546	1/2	19,988	1/2	9,449	1/2	264	1/2	10	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,889	3/4	30,326	3/4	19,769	3/4	9,229	3/4	209	3/4	10	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	40,669	11	30,106	11	19,550	11	9,009	11	154	11	11	11	11	11	11	11	11	11	11
1/4	40,449	1/4	29,886	1/4	19,331	1/4	8,789	1/4	99	1/4	11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	40,229	1/2	29,665	1/2	19,111	1/2	8,569	1/2	81	1/2	11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,009	3/4	29,445	3/4	18,892	3/4	8,349	3/4	62	3/4	11	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: 11/21/2007 CL - SW
CALCULATED: 11/21/2007 CL
PRINTED: 11/21/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2007

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