



BARGE "CBC 77"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
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 2082
Pearland, Texas 77588



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

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2007

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CBC 77"

2 CENTER
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	8,999	0	20,846	0	32,753	0	44,777	0	56,801	0	68,824	0	80,848	0	92,872	0	104,895
1/4	47	1/4	9,250	1/4	21,090	1/4	33,004	1/4	45,028	1/4	57,051	1/4	69,075	1/4	81,098	1/4	93,122	1/4	105,146
1/2	68	1/2	9,500	1/2	21,333	1/2	33,254	1/2	45,278	1/2	57,302	1/2	69,325	1/2	81,349	1/2	93,373	1/2	105,396
3/4	89	3/4	9,751	3/4	21,576	3/4	33,505	3/4	45,529	3/4	57,552	3/4	69,576	3/4	81,599	3/4	93,623	3/4	105,647
1	110	1	10,001	1	21,819	1	33,755	1	45,779	1	57,803	1	69,826	1	81,850	1	93,874	1	105,897
1/4	172	1/4	10,252	1/4	22,062	1/4	34,006	1/4	46,030	1/4	58,053	1/4	70,077	1/4	82,100	1/4	94,124	1/4	106,148
1/2	235	1/2	10,502	1/2	22,305	1/2	34,256	1/2	46,280	1/2	58,304	1/2	70,327	1/2	82,351	1/2	94,375	1/2	106,398
3/4	297	3/4	10,753	3/4	22,548	3/4	34,507	3/4	46,531	3/4	58,554	3/4	70,578	3/4	82,601	3/4	94,625	3/4	106,649
2	360	2	11,003	2	22,791	2	34,757	2	46,781	2	58,805	2	70,826	2	82,852	2	94,876	2	106,899
1/4	464	1/4	11,253	1/4	23,035	1/4	35,008	1/4	47,032	1/4	59,056	1/4	71,079	1/4	83,102	1/4	95,126	1/4	107,150
1/2	569	1/2	11,504	1/2	23,278	1/2	35,258	1/2	47,282	1/2	59,306	1/2	71,329	1/2	83,353	1/2	95,377	1/2	107,400
3/4	673	3/4	11,754	3/4	23,521	3/4	35,509	3/4	47,533	3/4	59,556	3/4	71,580	3/4	83,603	3/4	95,627	3/4	107,651
3	777	3	12,005	3	23,764	3	35,759	3	47,783	3	59,807	3	71,830	3	83,854	3	95,878	3	107,901
1/4	924	1/4	12,255	1/4	24,007	1/4	36,010	1/4	48,033	1/4	60,057	1/4	72,081	1/4	84,104	1/4	96,128	1/4	108,152
1/2	1,070	1/2	12,506	1/2	24,251	1/2	36,260	1/2	48,284	1/2	60,308	1/2	72,331	1/2	84,355	1/2	96,379	1/2	108,402
3/4	1,216	3/4	12,756	3/4	24,494	3/4	36,511	3/4	48,534	3/4	60,558	3/4	72,582	3/4	84,605	3/4	96,629	3/4	108,653
4	1,362	4	13,007	4	24,738	4	36,761	4	48,785	4	60,809	4	72,832	4	84,856	4	96,880	4	108,903
1/4	1,550	1/4	13,257	1/4	24,988	1/4	37,012	1/4	49,035	1/4	61,059	1/4	73,083	1/4	85,106	1/4	97,130	1/4	109,154
1/2	1,738	1/2	13,508	1/2	25,239	1/2	37,262	1/2	49,286	1/2	61,310	1/2	73,333	1/2	85,357	1/2	97,381	1/2	109,404
3/4	1,925	3/4	13,758	3/4	25,489	3/4	37,513	3/4	49,536	3/4	61,560	3/4	73,584	3/4	85,607	3/4	97,631	3/4	109,655
5	2,113	5	14,008	5	25,740	5	37,763	5	49,787	5	61,811	5	73,834	5	85,858	5	97,881	5	109,905
1/4	2,342	1/4	14,259	1/4	25,990	1/4	38,014	1/4	50,037	1/4	62,061	1/4	74,085	1/4	86,108	1/4	98,132	1/4	110,156
1/2	2,571	1/2	14,509	1/2	26,241	1/2	38,264	1/2	50,288	1/2	62,312	1/2	74,335	1/2	86,359	1/2	98,382	1/2	110,406
3/4	2,800	3/4	14,760	3/4	26,491	3/4	38,515	3/4	50,538	3/4	62,562	3/4	74,586	3/4	86,609	3/4	98,633	3/4	110,657
6	3,029	6	15,010	6	26,742	6	38,765	6	50,789	6	62,813	6	74,836	6	86,860	6	98,883	6	110,907
1/4	3,274	1/4	15,264	1/4	26,992	1/4	39,016	1/4	51,039	1/4	63,063	1/4	75,087	1/4	87,110	1/4	99,134	1/4	111,158
1/2	3,520	1/2	15,497	1/2	27,243	1/2	39,266	1/2	51,290	1/2	63,314	1/2	75,337	1/2	87,361	1/2	99,384	1/2	111,408
3/4	3,765	3/4	15,741	3/4	27,493	3/4	39,517	3/4	51,540	3/4	63,564	3/4	75,588	3/4	87,611	3/4	99,635	3/4	111,659
7	4,011	7	15,984	7	27,744	7	39,767	7	51,791	7	63,815	7	75,838	7	87,862	7	99,885	7	111,909
1/4	4,259	1/4	16,227	1/4	27,994	1/4	40,018	1/4	52,041	1/4	64,065	1/4	76,089	1/4	88,112	1/4	100,136	1/4	112,160
1/2	4,506	1/2	16,470	1/2	28,245	1/2	40,268	1/2	52,292	1/2	64,316	1/2	76,339	1/2	88,363	1/2	100,386	1/2	112,410
3/4	4,754	3/4	16,713	3/4	28,495	3/4	40,519	3/4	52,542	3/4	64,566	3/4	76,590	3/4	88,613	3/4	100,637	3/4	112,661
8	5,002	8	16,957	8	28,746	8	40,769	8	52,793	8	64,816	8	76,840	8	88,864	8	100,887	8	112,911
1/4	5,250	1/4	17,200	1/4	28,996	1/4	41,020	1/4	53,043	1/4	65,067	1/4	77,091	1/4	89,114	1/4	101,138	1/4	113,161
1/2	5,499	1/2	17,443	1/2	29,247	1/2	41,270	1/2	53,294	1/2	65,317	1/2	77,341	1/2	89,365	1/2	101,388	1/2	113,412
3/4	5,748	3/4	17,686	3/4	29,497	3/4	41,521	3/4	53,544	3/4	65,568	3/4	77,592	3/4	89,615	3/4	101,639	3/4	113,662
9	5,997	9	17,929	9	29,748	9	41,771	9	53,795	9	65,818	9	77,842	9	89,866	9	101,889	9	113,913
1/4	6,247	1/4	18,172	1/4	29,998	1/4	42,022	1/4	54,045	1/4	66,069	1/4	78,093	1/4	90,116	1/4	102,140	1/4	114,163
1/2	6,497	1/2	18,415	1/2	30,249	1/2	42,272	1/2	54,296	1/2	66,319	1/2	78,343	1/2	90,367	1/2	102,390	1/2	114,413
3/4	6,747	3/4	18,658	3/4	30,499	3/4	42,523	3/4	54,546	3/4	66,570	3/4	78,594	3/4	90,617	3/4	102,641	3/4	114,664
10	6,996	10	18,901	10	30,750	10	42,773	10	54,797	10	66,820	10	78,844	10	90,868	10	102,891	10	114,914
1/4	7,247	1/4	19,145	1/4	31,000	1/4	43,024	1/4	55,047	1/4	67,071	1/4	79,095	1/4	91,118	1/4	103,142	1/4	115,165
1/2	7,497	1/2	19,388	1/2	31,251	1/2	43,274	1/2	55,298	1/2	67,321	1/2	79,345	1/2	91,369	1/2	103,392	1/2	115,415
3/4	7,747	3/4	19,631	3/4	31,501	3/4	43,525	3/4	55,548	3/4	67,572	3/4	79,596	3/4	91,619	3/4	103,643	3/4	115,665
11	7,997	11	19,874	11	31,751	11	43,775	11	55,799	11	67,822	11	79,846	11	91,870	11	103,893	11	115,916
1/4	8,248	1/4	20,117	1/4	32,002	1/4	44,026	1/4	56,049	1/4	68,073	1/4	80,097	1/4	92,120	1/4	104,144	1/4	116,166
1/2	8,498	1/2	20,360	1/2	32,252	1/2	44,276	1/2	56,300	1/2	68,323	1/2	80,347	1/2	92,371	1/2	104,394	1/2	116,416
3/4	8,749	3/4	20,603	3/4	32,503	3/4	44,527	3/4	56,550	3/4	68,574	3/4	80,598	3/4	92,621	3/4	104,645	3/4	116,667

GAUGE HEIGHT 15'-00 1/4"

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 32'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092
Pearland, 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		1/4	
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		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		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		1/4	
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		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		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		1/4	
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		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		3/4	
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		1/4	
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		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		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		1/4	
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		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		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		1/4	
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		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		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		1/4	
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		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		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		1/4	
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		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		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		1/4	
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		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		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		1/4	
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		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		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		1/4	
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		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		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		1/4	
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		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		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"

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	7,909	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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	102,948	0	113,510	0	124,044	0	134,553	0	143,772	0		0		0		0		0	
1/4	103,166	1/4	113,731	1/4	124,262	1/4	134,731	1/4	143,824	1/4		1/4		1/4		1/4		1/4	
1/2	103,388	1/2	113,951	1/2	124,480	1/2	134,948	1/2	143,876	1/2		1/2		1/2		1/2		1/2	
3/4	103,608	3/4	114,171	3/4	124,698	3/4	135,166	3/4	143,928	3/4		3/4		3/4		3/4		3/4	
1	103,828	1	114,391	1	124,916	1	135,383	1	143,980	1		1		1		1		1	
1 1/4	104,048	1 1/4	114,611	1 1/4	125,135	1 1/4	135,601	1 1/4	143,995	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	104,268	1 1/2	114,831	1 1/2	125,353	1 1/2	135,819	1 1/2	144,010	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
1 3/4	104,488	1 3/4	115,051	1 3/4	125,571	1 3/4	136,036	1 3/4	144,026	1 3/4		1 3/4		1 3/4		1 3/4		1 3/4	
2	104,708	2	115,271	2	125,789	2	136,254	2	144,041	2		2		2		2		2	
1 1/4	104,928	1 1/4	115,491	1 1/4	126,008	1 1/4	136,472	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	105,148	1 1/2	115,711	1 1/2	126,226	1 1/2	136,690	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
1 3/4	105,368	1 3/4	115,931	1 3/4	126,444	1 3/4	136,909	1 3/4		1 3/4		1 3/4		1 3/4		1 3/4		1 3/4	
3	105,588	3	116,151	3	126,662	3	137,127	3		3		3		3		3		3	
1 1/4	105,808	1 1/4	116,371	1 1/4	126,880	1 1/4	137,345	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	106,028	1 1/2	116,591	1 1/2	127,099	1 1/2	137,563	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
1 3/4	106,248	1 3/4	116,811	1 3/4	127,317	1 3/4	137,781	1 3/4		1 3/4		1 3/4		1 3/4		1 3/4		1 3/4	
4	106,469	4	117,031	4	127,535	4	138,000	4		4		4		4		4		4	
1 1/4	106,689	1 1/4	117,251	1 1/4	127,753	1 1/4	138,217	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	106,909	1 1/2	117,472	1 1/2	127,971	1 1/2	138,434	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
1 3/4	107,129	1 3/4	117,692	1 3/4	128,190	1 3/4	138,651	1 3/4		1 3/4		1 3/4		1 3/4		1 3/4		1 3/4	
5	107,349	5	117,912	5	128,408	5	138,868	5		5		5		5		5		5	
1 1/4	107,569	1 1/4	118,132	1 1/4	128,626	1 1/4	139,085	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	107,789	1 1/2	118,352	1 1/2	128,844	1 1/2	139,302	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
1 3/4	108,009	1 3/4	118,572	1 3/4	129,062	1 3/4	139,519	1 3/4		1 3/4		1 3/4		1 3/4		1 3/4		1 3/4	
6	108,229	6	118,792	6	129,281	6	139,736	6		6		6		6		6		6	
1 1/4	108,449	1 1/4	119,012	1 1/4	129,499	1 1/4	139,953	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	108,669	1 1/2	119,232	1 1/2	129,717	1 1/2	140,170	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
1 3/4	108,889	1 3/4	119,452	1 3/4	129,935	1 3/4	140,387	1 3/4		1 3/4		1 3/4		1 3/4		1 3/4		1 3/4	
7	109,109	7	119,672	7	130,153	7	140,604	7		7		7		7		7		7	
1 1/4	109,329	1 1/4	119,892	1 1/4	130,372	1 1/4	140,821	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	109,549	1 1/2	120,112	1 1/2	130,590	1 1/2	141,038	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
1 3/4	109,769	1 3/4	120,332	1 3/4	130,808	1 3/4	141,255	1 3/4		1 3/4		1 3/4		1 3/4		1 3/4		1 3/4	
8	109,989	8	120,552	8	131,026	8	141,473	8		8		8		8		8		8	
1 1/4	110,210	1 1/4	120,771	1 1/4	131,244	1 1/4	141,671	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	110,430	1 1/2	120,989	1 1/2	131,463	1 1/2	141,870	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
1 3/4	110,650	1 3/4	121,207	1 3/4	131,681	1 3/4	142,069	1 3/4		1 3/4		1 3/4		1 3/4		1 3/4		1 3/4	
9	110,870	9	121,425	9	131,899	9	142,267	9		9		9		9		9		9	
1 1/4	111,090	1 1/4	121,643	1 1/4	132,117	1 1/4	142,429	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	111,310	1 1/2	121,862	1 1/2	132,335	1 1/2	142,591	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
1 3/4	111,530	1 3/4	122,080	1 3/4	132,554	1 3/4	142,754	1 3/4		1 3/4		1 3/4		1 3/4		1 3/4		1 3/4	
10	111,750	10	122,298	10	132,772	10	142,916	10		10		10		10		10		10	
1 1/4	111,970	1 1/4	122,516	1 1/4	132,990	1 1/4	143,041	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	112,190	1 1/2	122,734	1 1/2	133,207	1 1/2	143,166	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
1 3/4	112,410	1 3/4	122,953	1 3/4	133,425	1 3/4	143,292	1 3/4		1 3/4		1 3/4		1 3/4		1 3/4		1 3/4	
11	112,630	11	123,171	11	133,642	11	143,417	11		11		11		11		11		11	
1 1/4	112,850	1 1/4	123,389	1 1/4	133,860	1 1/4	143,506	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	113,070	1 1/2	123,607	1 1/2	134,078	1 1/2	143,594	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
1 3/4	113,290	1 3/4	123,825	1 3/4	134,295	1 3/4	143,683	1 3/4		1 3/4		1 3/4		1 3/4		1 3/4		1 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"

ULLAGE TRIM TABLE

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

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	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 INNAUGE 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
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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	
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	
1/2	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	
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	
1	50,608	1	39,861	1	29,113	1	18,496	1	7,935	7/8	27	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	
1/2	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	
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	
2	49,712	2	38,965	2	28,218	2	17,632	2	7,040	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	
1/2	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	
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	48,817	3	38,069	3	27,322	3	16,768	3	6,145	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	
1/2	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	
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	
4	47,921	4	37,174	4	26,427	4	15,905	4	5,253	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	
1/2	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	
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	
5	47,025	5	36,278	5	25,531	5	15,041	5	4,363	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	
1/2	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	
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	
6	46,130	6	35,383	6	24,635	6	14,177	6	3,479	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	
1/2	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	
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	
7	45,234	7	34,487	7	23,740	7	13,308	7	2,608	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	
1/2	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	
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	
8	44,339	8	33,591	8	22,844	8	12,412	8	1,808	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	
1/2	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	
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	
9	43,443	9	32,696	9	21,952	9	11,517	9	1,155	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	
1/2	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	
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	
10	42,547	10	31,800	10	21,087	10	10,622	10	651	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	
1/2	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	
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	
11	41,652	11	30,905	11	20,224	11	9,726	11	297	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	
1/2	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	
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	

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
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BARGE "CBC 77"

2 CENTER VILLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		IN	0	1 FT.	IN	0	2 FT.	IN	0	3 FT.	IN	0	4 FT.	IN	0	5 FT.	IN	0	6 FT.	IN	0	7 FT.	IN	0	8 FT.	IN	0	9 FT.
IN	0	163,432	163,373	163,084	141,170	129,186	117,168	105,146	93,122	81,098	69,075	57,052	45,029	33,007	20,985	8,962	67,958	55,935	43,912	31,890	19,868	7,844	5,820	3,796	1,772	974	772	
1/4	1/4	163,373	162,836	162,588	140,922	128,936	116,917	104,895	92,872	80,848	68,824	56,801	44,778	32,755	20,732	8,709	67,722	55,699	43,676	31,653	19,840	7,826	5,805	3,779	1,755	950	748	
1/2	1/2	163,272	162,588	162,588	140,673	128,687	116,667	104,645	92,621	80,598	68,574	56,550	44,527	32,504	20,481	8,458	67,572	55,549	43,526	31,503	19,822	7,808	5,787	3,756	1,731	925	723	
3/4	3/4	163,171	163,171	162,341	140,425	128,435	116,416	104,394	92,371	80,347	68,323	56,300	44,276	32,252	20,228	8,234	67,377	55,354	43,331	31,279	19,800	7,789	5,766	3,731	1,706	900	698	
1	1	163,070	162,970	162,093	140,177	128,185	116,166	104,144	92,140	80,097	68,073	56,049	44,024	32,000	20,000	8,000	67,177	55,154	43,128	31,076	19,771	7,769	5,745	3,706	1,681	875	673	
1/4	1/4	162,969	162,869	161,985	139,928	127,934	115,916	103,893	91,872	79,846	67,822	55,798	43,774	31,751	19,728	7,705	66,975	54,952	42,929	30,903	19,742	7,748	5,784	3,742	1,707	850	648	
1/2	1/2	162,826	162,826	161,598	139,680	127,684	115,665	103,643	91,619	79,596	67,572	55,548	43,524	31,501	19,484	7,481	66,772	54,749	42,726	30,680	19,719	7,729	5,763	3,717	1,682	825	623	
3/4	3/4	162,684	162,684	161,350	139,432	127,434	115,415	103,392	91,369	79,345	67,321	55,297	43,299	31,277	19,240	7,236	66,569	54,536	42,523	30,497	19,695	7,710	5,747	3,692	1,657	800	598	
1	1	162,541	162,541	161,102	139,183	127,183	115,165	103,142	91,118	79,095	67,071	55,047	43,024	31,001	19,000	7,000	66,366	54,333	42,320	30,294	19,676	7,695	5,728	3,667	1,632	775	573	
1/4	1/4	162,398	162,398	160,855	138,935	126,933	114,914	102,891	90,868	78,844	66,820	54,796	42,772	30,749	18,726	6,703	66,163	54,130	42,117	30,091	19,657	7,679	5,710	3,642	1,607	750	548	
1/2	1/2	162,214	162,214	160,606	138,687	126,682	114,664	102,641	90,617	78,594	66,570	54,546	42,522	30,498	18,480	6,457	65,960	53,906	41,914	29,888	19,638	7,660	5,691	3,617	1,582	725	523	
3/4	3/4	162,030	162,030	160,358	138,438	126,432	114,413	102,390	90,367	78,343	66,319	54,300	42,279	30,276	18,232	6,214	65,757	53,693	41,711	29,685	19,619	7,641	5,672	3,592	1,557	700	500	
1	1	161,845	161,845	160,161	138,190	126,182	114,163	102,140	90,116	78,093	66,069	54,045	42,003	30,000	18,000	6,000	65,554	53,490	41,508	29,482	19,595	7,622	5,653	3,567	1,532	675	473	
1/4	1/4	161,661	161,661	160,961	137,942	125,931	113,913	101,889	89,866	77,842	65,818	53,794	41,770	29,747	17,723	5,700	65,351	53,287	41,305	29,279	19,576	7,603	5,634	3,542	1,507	650	448	
1/2	1/2	161,435	161,435	160,613	137,693	125,681	113,662	101,639	89,615	77,592	65,568	53,537	41,504	29,474	17,476	5,453	65,148	53,074	41,092	29,076	19,557	7,584	5,615	3,517	1,482	625	423	
3/4	3/4	161,209	161,209	160,365	137,445	125,430	113,412	101,388	89,364	77,341	65,317	53,280	41,271	29,251	17,228	5,209	64,945	52,871	40,879	28,873	19,538	7,565	5,596	3,492	1,457	600	400	
1	1	160,982	160,982	160,146	137,197	125,180	113,161	101,138	89,114	77,091	65,087	53,053	41,048	29,025	17,000	5,000	64,742	52,668	40,676	28,670	19,519	7,546	5,577	3,467	1,432	575	378	
1/4	1/4	160,756	160,756	160,868	136,948	124,930	112,911	100,887	88,864	76,840	64,816	52,797	40,734	28,710	16,767	4,977	64,545	52,471	40,453	28,441	19,492	7,527	5,558	3,442	1,407	550	353	
1/2	1/2	160,509	160,509	160,620	136,698	124,679	112,661	100,637	88,613	76,590	64,566	52,550	40,416	28,673	16,720	4,932	64,348	52,274	40,256	28,284	19,473	7,508	5,539	3,417	1,382	525	328	
3/4	3/4	160,262	160,262	160,371	136,448	124,429	112,410	100,386	88,363	76,339	64,316	52,313	40,179	28,426	16,675	4,888	64,151	52,076	40,009	28,095	19,454	7,489	5,520	3,392	1,357	500	303	
1	1	160,015	160,015	160,015	136,197	124,179	112,160	100,135	88,112	76,089	64,065	52,060	40,000	28,000	16,600	4,837	63,954	51,879	39,842	27,888	19,435	7,470	5,501	3,367	1,332	475	278	
1/4	1/4	159,768	159,768	160,875	135,947	123,928	111,909	99,885	87,862	75,838	63,815	51,792	39,755	27,755	16,550	4,786	63,757	51,682	39,625	27,669	19,416	7,451	5,482	3,342	1,307	450	253	
1/2	1/2	159,521	159,521	160,626	135,696	123,678	111,659	99,635	87,611	75,588	63,564	51,546	39,508	27,508	16,500	4,735	63,560	51,483	39,468	27,444	19,397	7,432	5,463	3,317	1,282	425	228	
3/4	3/4	159,274	159,274	160,378	135,446	123,427	111,408	99,384	87,360	75,337	63,314	51,300	39,261	27,261	16,450	4,684	63,363	51,320	39,228	27,220	19,378	7,413	5,444	3,292	1,257	400	203	
1	1	159,027	159,027	160,131	135,196	123,177	111,158	99,134	87,110	75,087	63,063	51,050	39,013	27,013	16,400	4,633	63,166	51,077	39,000	27,000	19,359	7,394	5,425	3,267	1,232	375	178	
1/4	1/4	158,780	158,780	160,881	134,945	122,927	110,907	98,883	86,860	74,836	62,813	50,800	38,766	26,766	16,350	4,583	62,969	50,826	38,753	26,753	19,340	7,375	5,406	3,242	1,207	350	153	
1/2	1/2	158,533	158,533	160,633	134,693	122,676	110,657	98,632	86,609	74,586	62,562	50,558	38,519	26,519	16,300	4,532	62,772	50,573	38,500	26,500	19,321	7,356	5,387	3,217	1,182	325	128	
3/4	3/4	158,286	158,286	160,385	134,444	122,426	110,406	98,382	86,359	74,335	62,312	50,312	38,272	26,272	16,250	4,481	62,575	50,329	38,259	26,259	19,302	7,337	5,368	3,192	1,157	300	103	
1	1	158,039	158,039	160,136	134,194	122,175	110,156	98,132	86,108	74,085	62,061	50,061	38,017	26,017	16,200	4,430	62,378	50,086	38,006	26,006	19,283	7,318	5,349	3,167	1,132	275	78	
1/4	1/4	157,792	157,792	160,888	133,944	121,925	109,905	97,881	85,858	73,834	61,811	49,800	37,771	25,771	16,150	4,379	62,181	49,843	37,757	25,757	19,264	7,299	5,330	3,142	1,107	250	53	
1/2	1/2	157,545	157,545	160,639	133,693	121,675	109,655	97,631	85,607	73,584	61,560	49,550	37,520	25,520	16,100	4,328	61,984	49,594	37,514	25,514	19,245	7,280	5,311	3,117	1,082	225	28	
3/4	3/4	157,298	157,298	160,391	133,443	121,424	109,404	97,381	85,357	73,333	61,310	49,303	37,273	25,273	16,050	4,277	61,787	49,349	37,261	25,261	19,226	7,261	5,292	3,092	1,057	200	3	
1	1	157,051	157,051	160,143	133,193	121,174	109,154	97,130	85,106	73,083	61,059	49,059	37,019	25,019	16,000	4,226	61,590	49,100	37,000	25,000	19,207	7,242	5,273	3,067	1,032	175	2	
1/4	1/4	156,804	156,804	160,895	132,942	120,923	108,903	96,880	84,856	72,832	60,809	48,800	36,769	24,769	15,950	4,175	61,393	48,851	36,750	24,750	19,188	7,223	5,254	3,042	1,007	150	2	
1/2	1/2	156,556	156,556	160,646	132,692	120,673	108,653	96,629	84,605	72,582	60,558	48,558	36,519	24,519	15,900	4,124	61,196	48,602	36,500	24,500	19,169	7,204	5,235	3,017	982	125	2	
3/4	3/4	156,307	156,307	160,398	132,441	120,423	108,402	96,379	84,355	72,331	60,308	48,308	36,270	24,270	15,850	4,073	61,000	48,349	36,251	24,251	19,150	7,185	5,216	3,000	957	100	2	
1	1	156,059	156,059	160,150	132,191	120,172	108,152	96,128	84,104	72,081	60,057	48,057	36,019	24,019	15,800	4,022	60,803	48,100	36,000	24,000	19,131	7,166	5,197	2,985	932	75	2	
1/4	1/4	155,811	155,811	160,901	131,941	119,922	107,901	95,878	83,854	71,830	59,807	47,800	35,771	23,771	15,750	3,971	60,606	47,851	35,751	23,751	19,112	7,147	5,178	2,960	907	50	2	
1/2	1/2	155,562	155,562	160,653	131,690	119,672	107,651	95,627	83,603	71,580	59,556	47,556	35,520	23,520	15,700	3,920	60,409	47,602	35,502	23,502	19,093	7,128	5,159	2,935	882	25	2	
3/4	3/4	155,314	155,314	160,405	131,440	119,421	107,400	95,377	83,353	71,329	59,306	47,306	35,271	23,271	15,650	3,869	60,212	47,395	35,253	23,253	19,074	7,109	5,140	2,910	857	0	2	
1	1	155,066	155,066	160,157	131,189	119,171	107,150	95,126	83,102	71,079	59,056	47,056	35,019	23,019	15,600	3,818	60,015	47,186	35,000									

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 32'.06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Peerland, Texas 77588

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2



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	
1/4	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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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.
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BARGE "CBC 77"

3 CENTER ULLAGE 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		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	101,627	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		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
1/2		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
3/4		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
11		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
1/4		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
1/2		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
3/4		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

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

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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		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		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		1/4	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		1/2	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		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		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		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		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		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		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		3/4	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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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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