



BARGE "CBC 78"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 159'-00"

December 21, 2007

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

<http://www.pmacorp.net>



BARGE "CBC 78"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	26	0	7,959	0	18,400	0	28,906	0	39,535	0	50,165	0	60,794	0	71,424	0	82,054	0	92,683
1/4	45	1/4	8,180	1/4	18,614	1/4	29,127	1/4	39,757	1/4	50,386	1/4	61,016	1/4	71,645	1/4	82,275	1/4	92,905
1/2	63	1/2	8,402	1/2	18,828	1/2	29,349	1/2	39,978	1/2	50,608	1/2	61,237	1/2	71,867	1/2	82,496	1/2	93,126
3/4	82	3/4	8,623	3/4	19,041	3/4	29,570	3/4	40,200	3/4	50,829	3/4	61,459	3/4	72,088	3/4	82,718	3/4	93,347
1	100	1	8,845	1	19,255	1	29,791	1	40,421	1	51,051	1	61,680	1	72,310	1	82,939	1	93,569
1/4	155	1/4	9,066	1/4	19,468	1/4	30,013	1/4	40,642	1/4	51,272	1/4	61,902	1/4	72,531	1/4	83,161	1/4	93,790
1/2	211	1/2	9,287	1/2	19,682	1/2	30,234	1/2	40,864	1/2	51,493	1/2	62,123	1/2	72,753	1/2	83,382	1/2	94,012
3/4	266	3/4	9,509	3/4	19,896	3/4	30,456	3/4	41,085	3/4	51,715	3/4	62,345	3/4	72,974	3/4	83,604	3/4	94,233
2	321	2	9,730	2	20,109	2	30,677	2	41,307	2	51,936	2	62,566	2	73,196	2	83,825	2	94,455
1/4	414	1/4	9,952	1/4	20,323	1/4	30,899	1/4	41,528	1/4	52,158	1/4	62,787	1/4	73,417	1/4	84,047	1/4	94,676
1/2	506	1/2	10,173	1/2	20,536	1/2	31,120	1/2	41,750	1/2	52,379	1/2	63,009	1/2	73,638	1/2	84,268	1/2	94,898
3/4	598	3/4	10,395	3/4	20,750	3/4	31,342	3/4	41,971	3/4	52,601	3/4	63,230	3/4	73,860	3/4	84,489	3/4	95,119
3	690	3	10,616	3	20,963	3	31,563	3	42,193	3	52,822	3	63,452	3	74,081	3	84,711	3	95,340
1/4	820	1/4	10,837	1/4	21,177	1/4	31,784	1/4	42,414	1/4	53,044	1/4	63,673	1/4	74,303	1/4	84,932	1/4	95,562
1/2	949	1/2	11,059	1/2	21,391	1/2	32,006	1/2	42,635	1/2	53,265	1/2	63,895	1/2	74,524	1/2	85,154	1/2	95,783
3/4	1,078	3/4	11,280	3/4	21,605	3/4	32,227	3/4	42,857	3/4	53,487	3/4	64,116	3/4	74,746	3/4	85,375	3/4	96,005
4	1,207	4	11,502	4	21,819	4	32,449	4	43,078	4	53,708	4	64,338	4	74,967	4	85,597	4	96,226
1/4	1,373	1/4	11,723	1/4	22,041	1/4	32,670	1/4	43,300	1/4	53,929	1/4	64,559	1/4	75,189	1/4	85,818	1/4	96,448
1/2	1,539	1/2	11,944	1/2	22,262	1/2	32,892	1/2	43,521	1/2	54,151	1/2	64,780	1/2	75,410	1/2	86,040	1/2	96,669
3/4	1,705	3/4	12,166	3/4	22,484	3/4	33,113	3/4	43,743	3/4	54,372	3/4	65,002	3/4	75,631	3/4	86,261	3/4	96,891
5	1,871	5	12,387	5	22,705	5	33,335	5	43,964	5	54,594	5	65,223	5	75,853	5	86,483	5	97,112
1/4	2,074	1/4	12,609	1/4	22,926	1/4	33,556	1/4	44,186	1/4	54,815	1/4	65,445	1/4	76,074	1/4	86,704	1/4	97,334
1/2	2,276	1/2	12,830	1/2	23,148	1/2	33,778	1/2	44,407	1/2	55,037	1/2	65,666	1/2	76,296	1/2	86,925	1/2	97,555
3/4	2,479	3/4	13,052	3/4	23,369	3/4	33,999	3/4	44,629	3/4	55,258	3/4	65,888	3/4	76,517	3/4	87,147	3/4	97,776
6	2,681	6	13,273	6	23,591	6	34,220	6	44,850	6	55,480	6	66,109	6	76,739	6	87,368	6	97,998
1/4	2,898	1/4	13,487	1/4	23,812	1/4	34,442	1/4	45,071	1/4	55,701	1/4	66,331	1/4	76,960	1/4	87,590	1/4	98,219
1/2	3,115	1/2	13,701	1/2	24,034	1/2	34,663	1/2	45,293	1/2	55,922	1/2	66,552	1/2	77,182	1/2	87,811	1/2	98,441
3/4	3,332	3/4	13,915	3/4	24,255	3/4	34,885	3/4	45,514	3/4	56,144	3/4	66,773	3/4	77,403	3/4	88,033	3/4	98,662
7	3,549	7	14,129	7	24,477	7	35,106	7	45,736	7	56,365	7	66,995	7	77,625	7	88,254	7	98,884
1/4	3,768	1/4	14,342	1/4	24,698	1/4	35,328	1/4	45,957	1/4	56,587	1/4	67,216	1/4	77,846	1/4	88,476	1/4	99,105
1/2	3,987	1/2	14,556	1/2	24,920	1/2	35,549	1/2	46,179	1/2	56,808	1/2	67,438	1/2	78,067	1/2	88,697	1/2	99,327
3/4	4,206	3/4	14,769	3/4	25,141	3/4	35,771	3/4	46,400	3/4	57,030	3/4	67,659	3/4	78,289	3/4	88,918	3/4	99,548
8	4,425	8	14,983	8	25,362	8	35,992	8	46,622	8	57,251	8	67,881	8	78,510	8	89,140	8	99,769
1/4	4,645	1/4	15,197	1/4	25,584	1/4	36,213	1/4	46,843	1/4	57,473	1/4	68,102	1/4	78,732	1/4	89,361	1/4	99,991
1/2	4,865	1/2	15,410	1/2	25,805	1/2	36,435	1/2	47,064	1/2	57,694	1/2	68,324	1/2	78,953	1/2	89,583	1/2	100,212
3/4	5,085	3/4	15,624	3/4	26,027	3/4	36,656	3/4	47,286	3/4	57,916	3/4	68,545	3/4	79,175	3/4	89,804	3/4	100,434
9	5,305	9	15,837	9	26,248	9	36,878	9	47,507	9	58,137	9	68,767	9	79,396	9	90,026	9	100,655
1/4	5,526	1/4	16,051	1/4	26,470	1/4	37,099	1/4	47,729	1/4	58,358	1/4	68,988	1/4	79,618	1/4	90,247	1/4	100,876
1/2	5,747	1/2	16,265	1/2	26,691	1/2	37,321	1/2	47,950	1/2	58,580	1/2	69,209	1/2	79,839	1/2	90,469	1/2	101,098
3/4	5,967	3/4	16,478	3/4	26,913	3/4	37,542	3/4	48,172	3/4	58,801	3/4	69,431	3/4	80,060	3/4	90,690	3/4	101,319
10	6,188	10	16,692	10	27,134	10	37,764	10	48,393	10	59,023	10	69,652	10	80,282	10	90,911	10	101,540
1/4	6,410	1/4	16,905	1/4	27,355	1/4	37,985	1/4	48,615	1/4	59,244	1/4	69,874	1/4	80,503	1/4	91,133	1/4	101,762
1/2	6,631	1/2	17,119	1/2	27,577	1/2	38,206	1/2	48,836	1/2	59,466	1/2	70,095	1/2	80,725	1/2	91,354	1/2	101,983
3/4	6,852	3/4	17,332	3/4	27,798	3/4	38,428	3/4	49,058	3/4	59,687	3/4	70,317	3/4	80,946	3/4	91,576	3/4	102,204
11	7,073	11	17,546	11	28,020	11	38,649	11	49,279	11	59,909	11	70,538	11	81,168	11	91,797	11	102,426
1/4	7,295	1/4	17,760	1/4	28,241	1/4	38,871	1/4	49,500	1/4	60,130	1/4	70,760	1/4	81,389	1/4	92,019	1/4	102,647
1/2	7,516	1/2	17,973	1/2	28,463	1/2	39,092	1/2	49,722	1/2	60,351	1/2	70,981	1/2	81,611	1/2	92,240	1/2	102,869
3/4	7,737	3/4	18,187	3/4	28,684	3/4	39,314	3/4	49,943	3/4	60,573	3/4	71,202	3/4	81,832	3/4	92,462	3/4	103,090

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT
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 Pearland, Texas 77588
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BARGE "CBC 78"

1 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	103,311	0	113,936	0	124,532	0	135,066	0	144,380	0		0		0		0		0	
1/4	103,533	1/4	114,158	1/4	124,752	1/4	135,284	1/4	144,433	1/4		1/4		1/4		1/4		1/4	
1/2	103,754	1/2	114,379	1/2	124,972	1/2	135,503	1/2	144,485	1/2		1/2		1/2		1/2		1/2	
3/4	103,975	3/4	114,601	3/4	125,191	3/4	135,722	3/4	144,537	3/4		3/4		3/4		3/4		3/4	
1	104,197	1	114,822	1	125,411	1	135,941	1	144,590	1	1	1	1	1	1	1	1	1	1
1/4	104,418	1/4	115,043	1/4	125,630	1/4	136,160	1/4	144,605	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	104,639	1/2	115,265	1/2	125,850	1/2	136,379	1/2	144,620	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	104,861	3/4	115,486	3/4	126,069	3/4	136,598	3/4	144,636	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	105,082	2	115,707	2	126,289	2	136,817	2	144,651	2	2	2	2	2	2	2	2	2	2
1/4	105,303	1/4	115,929	1/4	126,508	1/4	137,037	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,525	1/2	116,150	1/2	126,728	1/2	137,256	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,746	3/4	116,371	3/4	126,947	3/4	137,476	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	105,968	3	116,593	3	127,167	3	137,695	3	3	3	3	3	3	3	3	3	3	3	3
1/4	106,189	1/4	116,814	1/4	127,386	1/4	137,915	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,410	1/2	117,035	1/2	127,606	1/2	138,134	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,632	3/4	117,257	3/4	127,825	3/4	138,354	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	106,853	4	117,478	4	128,045	4	138,573	4	4	4	4	4	4	4	4	4	4	4	4
1/4	107,074	1/4	117,700	1/4	128,265	1/4	138,792	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	107,296	1/2	117,921	1/2	128,484	1/2	139,010	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,517	3/4	118,142	3/4	128,704	3/4	139,229	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	107,738	5	118,364	5	128,923	5	139,447	5	5	5	5	5	5	5	5	5	5	5	5
1/4	107,960	1/4	118,585	1/4	129,143	1/4	139,665	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	108,181	1/2	118,806	1/2	129,362	1/2	139,884	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,402	3/4	119,028	3/4	129,582	3/4	140,102	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	108,624	6	119,249	6	129,801	6	140,320	6	6	6	6	6	6	6	6	6	6	6	6
1/4	108,845	1/4	119,470	1/4	130,021	1/4	140,539	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,067	1/2	119,692	1/2	130,240	1/2	140,757	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,288	3/4	119,913	3/4	130,460	3/4	140,976	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	109,509	7	120,134	7	130,679	7	141,194	7	7	7	7	7	7	7	7	7	7	7	7
1/4	109,731	1/4	120,356	1/4	130,899	1/4	141,412	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,952	1/2	120,577	1/2	131,119	1/2	141,631	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,173	3/4	120,799	3/4	131,338	3/4	141,849	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	110,395	8	121,020	8	131,558	8	142,067	8	8	8	8	8	8	8	8	8	8	8	8
1/4	110,616	1/4	121,239	1/4	131,777	1/4	142,267	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,837	1/2	121,459	1/2	131,997	1/2	142,467	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,059	3/4	121,679	3/4	132,216	3/4	142,667	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	111,280	9	121,898	9	132,436	9	142,867	9	9	9	9	9	9	9	9	9	9	9	9
1/4	111,501	1/4	122,118	1/4	132,655	1/4	143,030	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,723	1/2	122,337	1/2	132,875	1/2	143,193	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,944	3/4	122,557	3/4	133,094	3/4	143,356	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	112,166	10	122,776	10	133,314	10	143,519	10	10	10	10	10	10	10	10	10	10	10	10
1/4	112,387	1/4	122,996	1/4	133,533	1/4	143,645	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,608	1/2	123,215	1/2	133,752	1/2	143,771	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,830	3/4	123,435	3/4	133,971	3/4	143,898	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	113,051	11	123,654	11	134,190	11	144,024	11	11	11	11	11	11	11	11	11	11	11	11
1/4	113,272	1/4	123,874	1/4	134,409	1/4	144,113	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,494	1/2	124,093	1/2	134,628	1/2	144,202	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,715	3/4	124,313	3/4	134,847	3/4	144,291	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2007 CL - SW
CALCULATED: 12/21/2007 CL
PRINTED: 12/21/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2007

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CBC 78"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	26	0	9,037	0	20,935	0	32,893	0	44,967	0	57,042	0	69,117	0	81,191	0	93,266	0	105,341
1/4	47	1/4	9,289	1/4	21,179	1/4	33,144	1/4	45,219	1/4	57,294	1/4	69,368	1/4	81,443	1/4	93,518	1/4	105,592
1/2	68	1/2	9,540	1/2	21,423	1/2	33,396	1/2	45,470	1/2	57,545	1/2	69,620	1/2	81,694	1/2	93,769	1/2	105,844
3/4	89	3/4	9,792	3/4	21,667	3/4	33,647	3/4	45,722	3/4	57,797	3/4	69,871	3/4	81,946	3/4	94,021	3/4	106,095
1	110	1	10,044	1	21,912	1	33,899	1	45,973	1	58,048	1	70,123	1	82,198	1	94,272	1	106,347
1/4	173	1/4	10,295	1/4	22,156	1/4	34,150	1/4	46,225	1/4	58,300	1/4	70,374	1/4	82,449	1/4	94,524	1/4	106,599
1/2	236	1/2	10,547	1/2	22,400	1/2	34,402	1/2	46,477	1/2	58,551	1/2	70,626	1/2	82,701	1/2	94,775	1/2	106,850
3/4	299	3/4	10,798	3/4	22,644	3/4	34,653	3/4	46,728	3/4	58,803	3/4	70,878	3/4	82,952	3/4	95,027	3/4	107,102
2	362	2	11,050	2	22,888	2	34,905	2	46,980	2	59,054	2	71,129	2	83,204	2	95,278	2	107,353
1/4	466	1/4	11,301	1/4	23,132	1/4	35,157	1/4	47,231	1/4	59,306	1/4	71,381	1/4	83,455	1/4	95,530	1/4	107,605
1/2	571	1/2	11,553	1/2	23,376	1/2	35,408	1/2	47,483	1/2	59,558	1/2	71,632	1/2	83,707	1/2	95,782	1/2	107,856
3/4	676	3/4	11,804	3/4	23,621	3/4	35,660	3/4	47,734	3/4	59,809	3/4	71,884	3/4	83,958	3/4	96,033	3/4	108,108
3	781	3	12,056	3	23,865	3	35,911	3	47,986	3	60,061	3	72,135	3	84,210	3	96,285	3	108,359
1/4	927	1/4	12,307	1/4	24,109	1/4	36,163	1/4	48,237	1/4	60,312	1/4	72,387	1/4	84,462	1/4	96,536	1/4	108,611
1/2	1,074	1/2	12,559	1/2	24,354	1/2	36,414	1/2	48,489	1/2	60,564	1/2	72,638	1/2	84,713	1/2	96,788	1/2	108,863
3/4	1,221	3/4	12,810	3/4	24,598	3/4	36,666	3/4	48,741	3/4	60,815	3/4	72,890	3/4	84,965	3/4	97,039	3/4	109,114
4	1,368	4	13,062	4	24,843	4	36,917	4	48,992	4	61,067	4	73,142	4	85,216	4	97,291	4	109,366
1/4	1,566	1/4	13,313	1/4	25,094	1/4	37,169	1/4	49,244	1/4	61,318	1/4	73,393	1/4	85,468	1/4	97,543	1/4	109,617
1/2	1,745	1/2	13,565	1/2	25,346	1/2	37,421	1/2	49,495	1/2	61,570	1/2	73,645	1/2	85,719	1/2	97,794	1/2	109,869
3/4	1,934	3/4	13,816	3/4	25,597	3/4	37,672	3/4	49,747	3/4	61,822	3/4	73,896	3/4	85,971	3/4	98,046	3/4	110,120
5	2,122	5	14,068	5	25,849	5	37,924	5	49,998	5	62,073	5	74,148	5	86,222	5	98,297	5	110,372
1/4	2,352	1/4	14,319	1/4	26,101	1/4	38,175	1/4	50,250	1/4	62,325	1/4	74,399	1/4	86,474	1/4	98,549	1/4	110,623
1/2	2,582	1/2	14,571	1/2	26,352	1/2	38,427	1/2	50,501	1/2	62,576	1/2	74,651	1/2	86,726	1/2	98,800	1/2	110,875
3/4	2,812	3/4	14,822	3/4	26,604	3/4	38,678	3/4	50,753	3/4	62,828	3/4	74,902	3/4	86,977	3/4	99,052	3/4	111,127
6	3,042	6	15,074	6	26,855	6	38,930	6	51,005	6	63,079	6	75,154	6	87,229	6	99,303	6	111,378
1/4	3,288	1/4	15,318	1/4	27,107	1/4	39,181	1/4	51,256	1/4	63,331	1/4	75,406	1/4	87,480	1/4	99,555	1/4	111,630
1/2	3,535	1/2	15,563	1/2	27,358	1/2	39,433	1/2	51,508	1/2	63,582	1/2	75,657	1/2	87,732	1/2	99,807	1/2	111,881
3/4	3,781	3/4	15,807	3/4	27,610	3/4	39,685	3/4	51,759	3/4	63,834	3/4	75,909	3/4	87,983	3/4	100,058	3/4	112,133
7	4,028	7	16,052	7	27,861	7	39,936	7	52,011	7	64,086	7	76,160	7	88,235	7	100,310	7	112,384
1/4	4,277	1/4	16,296	1/4	28,113	1/4	40,188	1/4	52,262	1/4	64,337	1/4	76,412	1/4	88,486	1/4	100,561	1/4	112,636
1/2	4,525	1/2	16,540	1/2	28,365	1/2	40,439	1/2	52,514	1/2	64,589	1/2	76,663	1/2	88,738	1/2	100,813	1/2	112,887
3/4	4,774	3/4	16,784	3/4	28,616	3/4	40,691	3/4	52,765	3/4	64,840	3/4	76,915	3/4	88,990	3/4	101,064	3/4	113,139
8	5,023	8	17,029	8	28,868	8	40,942	8	53,017	8	65,092	8	77,166	8	89,241	8	101,316	8	113,391
1/4	5,273	1/4	17,273	1/4	29,119	1/4	41,194	1/4	53,269	1/4	65,343	1/4	77,418	1/4	89,493	1/4	101,567	1/4	113,642
1/2	5,523	1/2	17,517	1/2	29,371	1/2	41,445	1/2	53,520	1/2	65,595	1/2	77,670	1/2	89,744	1/2	101,819	1/2	113,893
3/4	5,773	3/4	17,761	3/4	29,622	3/4	41,697	3/4	53,772	3/4	65,846	3/4	77,921	3/4	89,996	3/4	102,071	3/4	114,145
9	6,023	9	18,005	9	29,874	9	41,949	9	54,023	9	66,098	9	78,173	9	90,247	9	102,322	9	114,396
1/4	6,274	1/4	18,249	1/4	30,125	1/4	42,200	1/4	54,275	1/4	66,350	1/4	78,424	1/4	90,499	1/4	102,574	1/4	114,648
1/2	6,524	1/2	18,493	1/2	30,377	1/2	42,452	1/2	54,526	1/2	66,601	1/2	78,676	1/2	90,750	1/2	102,825	1/2	114,899
3/4	6,775	3/4	18,738	3/4	30,629	3/4	42,703	3/4	54,778	3/4	66,853	3/4	78,927	3/4	91,002	3/4	103,077	3/4	115,151
10	7,026	10	18,982	10	30,880	10	42,955	10	55,030	10	67,104	10	79,179	10	91,254	10	103,328	10	115,402
1/4	7,277	1/4	19,226	1/4	31,132	1/4	43,206	1/4	55,281	1/4	67,356	1/4	79,430	1/4	91,505	1/4	103,580	1/4	115,654
1/2	7,529	1/2	19,470	1/2	31,383	1/2	43,458	1/2	55,533	1/2	67,607	1/2	79,682	1/2	91,757	1/2	103,831	1/2	115,905
3/4	7,780	3/4	19,714	3/4	31,635	3/4	43,709	3/4	55,784	3/4	67,859	3/4	79,934	3/4	92,008	3/4	104,083	3/4	116,157
11	8,031	11	19,958	11	31,886	11	43,961	11	56,036	11	68,110	11	80,185	11	92,260	11	104,335	11	116,408
1/4	8,283	1/4	20,203	1/4	32,138	1/4	44,213	1/4	56,287	1/4	68,362	1/4	80,437	1/4	92,511	1/4	104,586	1/4	116,659
1/2	8,534	1/2	20,447	1/2	32,389	1/2	44,464	1/2	56,539	1/2	68,614	1/2	80,688	1/2	92,763	1/2	104,838	1/2	116,911
3/4	8,786	3/4	20,691	3/4	32,641	3/4	44,716	3/4	56,790	3/4	68,865	3/4	80,940	3/4	93,014	3/4	105,089	3/4	117,162

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 31'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77568
<http://www.pmacorp.net>



BARGE "CBC 78"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	117,414	0	129,483	0	141,520	0	153,485	0	164,066	0		0		0		0		0	
1/4	117,665	1/4	129,735	1/4	141,769	1/4	153,734	1/4	164,126	1/4		1/4		1/4		1/4		1/4	
1/2	117,917	1/2	129,986	1/2	142,019	1/2	153,982	1/2	164,185	1/2		1/2		1/2		1/2		1/2	
3/4	118,168	3/4	130,238	3/4	142,268	3/4	154,231	3/4	164,245	3/4		3/4		3/4		3/4		3/4	
1	118,420	1	130,489	1	142,518	1	154,480	1	164,304	1		1		1		1		1	
1/4	118,671	1/4	130,741	1/4	142,767	1/4	154,729	1/4	164,321	1/4		1/4		1/4		1/4		1/4	
1/2	118,922	1/2	130,992	1/2	143,016	1/2	154,977	1/2	164,339	1/2		1/2		1/2		1/2		1/2	
3/4	119,174	3/4	131,244	3/4	143,266	3/4	155,226	3/4	164,356	3/4		3/4		3/4		3/4		3/4	
2	119,425	2	131,495	2	143,515	2	155,475	2	164,374	2		2		2		2		2	
1/4	119,677	1/4	131,747	1/4	143,764	1/4	155,724	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	119,928	1/2	131,998	1/2	144,014	1/2	155,974	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,180	3/4	132,249	3/4	144,263	3/4	156,223	3/4		3/4		3/4		3/4		3/4		3/4	
3	120,431	3	132,501	3	144,513	3	156,472	3		3		3		3		3		3	
1/4	120,683	1/4	132,752	1/4	144,762	1/4	156,722	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120,934	1/2	133,004	1/2	145,011	1/2	156,971	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	121,186	3/4	133,255	3/4	145,261	3/4	157,220	3/4		3/4		3/4		3/4		3/4		3/4	
4	121,437	4	133,507	4	145,510	4	157,470	4		4		4		4		4		4	
1/4	121,688	1/4	133,758	1/4	145,760	1/4	157,718	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,940	1/2	134,010	1/2	146,009	1/2	157,966	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	122,191	3/4	134,261	3/4	146,258	3/4	158,214	3/4		3/4		3/4		3/4		3/4		3/4	
5	122,443	5	134,513	5	146,508	5	158,462	5		5		5		5		5		5	
1/4	122,694	1/4	134,764	1/4	146,757	1/4	158,710	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	122,946	1/2	135,015	1/2	147,006	1/2	158,958	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	123,197	3/4	135,267	3/4	147,256	3/4	159,206	3/4		3/4		3/4		3/4		3/4		3/4	
6	123,449	6	135,518	6	147,505	6	159,454	6		6		6		6		6		6	
1/4	123,700	1/4	135,770	1/4	147,755	1/4	159,702	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	123,952	1/2	136,021	1/2	148,004	1/2	159,951	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	124,203	3/4	136,273	3/4	148,253	3/4	160,199	3/4		3/4		3/4		3/4		3/4		3/4	
7	124,454	7	136,524	7	148,503	7	160,447	7		7		7		7		7		7	
1/4	124,706	1/4	136,776	1/4	148,752	1/4	160,695	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	124,957	1/2	137,027	1/2	149,001	1/2	160,943	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	125,209	3/4	137,278	3/4	149,251	3/4	161,191	3/4		3/4		3/4		3/4		3/4		3/4	
8	125,460	8	137,530	8	149,500	8	161,439	8		8		8		8		8		8	
1/4	125,712	1/4	137,779	1/4	149,750	1/4	161,666	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	125,963	1/2	138,029	1/2	149,999	1/2	161,893	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,215	3/4	138,278	3/4	150,248	3/4	162,120	3/4		3/4		3/4		3/4		3/4		3/4	
9	126,466	9	138,527	9	150,498	9	162,347	9		9		9		9		9		9	
1/4	126,717	1/4	138,777	1/4	150,747	1/4	162,533	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,969	1/2	139,026	1/2	150,997	1/2	162,718	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,220	3/4	139,276	3/4	151,246	3/4	162,903	3/4		3/4		3/4		3/4		3/4		3/4	
10	127,472	10	139,525	10	151,495	10	163,088	10		10		10		10		10		10	
1/4	127,723	1/4	139,774	1/4	151,744	1/4	163,231	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,975	1/2	140,024	1/2	151,993	1/2	163,375	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,226	3/4	140,273	3/4	152,241	3/4	163,518	3/4		3/4		3/4		3/4		3/4		3/4	
11	128,478	11	140,523	11	152,490	11	163,661	11		11		11		11		11		11	
1/4	128,729	1/4	140,772	1/4	152,739	1/4	163,762	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,981	1/2	141,021	1/2	152,988	1/2	163,864	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	129,232	3/4	141,271	3/4	153,236	3/4	163,965	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2007 CL - SW
CALCULATED: 12/21/2007 CL
PRINTED: 12/21/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2007

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



BARGE "CBC 78"

3 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	8,029	0	18,733	0	29,445	0	40,168	0	50,892	0	61,615	0	72,338	0	83,062	0	93,785
1/4	45	1/4	8,252	1/4	19,956	1/4	29,668	1/4	40,392	1/4	51,115	1/4	61,838	1/4	72,562	1/4	83,285	1/4	94,008
1/2	63	1/2	8,475	1/2	19,178	1/2	29,892	1/2	40,615	1/2	51,339	1/2	62,062	1/2	72,785	1/2	83,509	1/2	94,232
3/4	82	3/4	8,699	3/4	19,401	3/4	30,115	3/4	40,839	3/4	51,562	3/4	62,285	3/4	73,009	3/4	83,732	3/4	94,455
1	100	1	8,922	1	19,624	1	30,339	1	41,062	1	51,785	1	62,509	1	73,232	1	83,955	1	94,679
1/4	156	1/4	9,146	1/4	19,846	1/4	30,562	1/4	41,285	1/4	52,009	1/4	62,732	1/4	73,455	1/4	84,179	1/4	94,902
1/2	212	1/2	9,369	1/2	20,069	1/2	30,785	1/2	41,509	1/2	52,232	1/2	62,955	1/2	73,679	1/2	84,402	1/2	95,125
3/4	268	3/4	9,592	3/4	20,291	3/4	31,009	3/4	41,732	3/4	52,455	3/4	63,179	3/4	73,902	3/4	84,626	3/4	95,349
1	324	1	9,816	1	20,514	1	31,232	1	41,956	1	52,679	1	63,402	1	74,126	1	84,849	1	95,572
1/4	410	1/4	10,039	1/4	20,737	1/4	31,456	1/4	42,179	1/4	52,902	1/4	63,626	1/4	74,349	1/4	85,072	1/4	95,796
1/2	517	1/2	10,262	1/2	20,959	1/2	31,679	1/2	42,402	1/2	53,126	1/2	63,849	1/2	74,572	1/2	85,296	1/2	96,019
3/4	603	3/4	10,486	3/4	21,182	3/4	31,902	3/4	42,626	3/4	53,349	3/4	64,072	3/4	74,796	3/4	85,519	3/4	96,242
1	696	1	10,709	1	21,404	1	32,126	1	42,849	1	53,573	1	64,296	1	75,019	1	85,743	1	96,466
1/4	826	1/4	10,933	1/4	21,627	1/4	32,349	1/4	43,073	1/4	53,796	1/4	64,519	1/4	75,243	1/4	85,966	1/4	96,689
1/2	957	1/2	11,156	1/2	21,850	1/2	32,573	1/2	43,296	1/2	54,019	1/2	64,743	1/2	75,466	1/2	86,189	1/2	96,913
3/4	1,087	3/4	11,379	3/4	22,073	3/4	32,796	3/4	43,519	3/4	54,243	3/4	64,966	3/4	75,689	3/4	86,413	3/4	97,136
1	1,217	1	11,603	1	22,296	1	33,019	1	43,743	1	54,466	1	65,189	1	75,913	1	86,636	1	97,359
1/4	1,385	1/4	11,826	1/4	22,520	1/4	33,243	1/4	43,966	1/4	54,690	1/4	65,413	1/4	76,136	1/4	86,860	1/4	97,583
1/2	1,552	1/2	12,049	1/2	22,743	1/2	33,466	1/2	44,190	1/2	54,913	1/2	65,636	1/2	76,360	1/2	87,083	1/2	97,806
3/4	1,720	3/4	12,273	3/4	22,966	3/4	33,690	3/4	44,413	3/4	55,136	3/4	65,860	3/4	76,583	3/4	87,306	3/4	98,030
1	1,887	1	12,496	1	23,190	1	33,913	1	44,636	1	55,360	1	66,083	1	76,806	1	87,530	1	98,253
1/4	2,092	1/4	12,719	1/4	23,413	1/4	34,136	1/4	44,860	1/4	55,583	1/4	66,306	1/4	77,030	1/4	87,753	1/4	98,477
1/2	2,296	1/2	12,943	1/2	23,637	1/2	34,360	1/2	45,083	1/2	55,807	1/2	66,530	1/2	77,253	1/2	87,977	1/2	98,700
3/4	2,500	3/4	13,166	3/4	23,860	3/4	34,583	3/4	45,307	3/4	56,030	3/4	66,753	3/4	77,477	3/4	88,200	3/4	98,923
1	2,704	1	13,390	1	24,083	1	34,807	1	45,530	1	56,253	1	66,977	1	77,700	1	88,423	1	99,147
1/4	2,923	1/4	13,612	1/4	24,307	1/4	35,030	1/4	45,753	1/4	56,477	1/4	67,200	1/4	77,923	1/4	88,647	1/4	99,370
1/2	3,142	1/2	13,835	1/2	24,530	1/2	35,253	1/2	45,977	1/2	56,700	1/2	67,424	1/2	78,147	1/2	88,870	1/2	99,594
3/4	3,361	3/4	14,058	3/4	24,754	3/4	35,477	3/4	46,200	3/4	56,924	3/4	67,647	3/4	78,370	3/4	89,094	3/4	99,817
1	3,580	1	14,281	1	24,977	1	35,700	1	46,424	1	57,147	1	67,870	1	78,594	1	89,317	1	100,040
1/4	3,801	1/4	14,504	1/4	25,200	1/4	35,924	1/4	46,647	1/4	57,370	1/4	68,094	1/4	78,817	1/4	89,540	1/4	100,264
1/2	4,022	1/2	14,726	1/2	25,424	1/2	36,147	1/2	46,870	1/2	57,594	1/2	68,317	1/2	79,040	1/2	89,764	1/2	100,487
3/4	4,243	3/4	14,949	3/4	25,647	3/4	36,371	3/4	47,094	3/4	57,817	3/4	68,541	3/4	79,264	3/4	89,987	3/4	100,711
1	4,462	1	15,172	1	25,871	1	36,594	1	47,317	1	58,041	1	68,764	1	79,487	1	90,211	1	100,934
1/4	4,685	1/4	15,394	1/4	26,094	1/4	36,817	1/4	47,541	1/4	58,264	1/4	68,987	1/4	79,711	1/4	90,434	1/4	101,157
1/2	4,907	1/2	15,617	1/2	26,317	1/2	37,041	1/2	47,764	1/2	58,487	1/2	69,211	1/2	79,934	1/2	90,657	1/2	101,381
3/4	5,129	3/4	15,839	3/4	26,541	3/4	37,264	3/4	47,987	3/4	58,711	3/4	69,434	3/4	80,157	3/4	90,881	3/4	101,604
1	5,351	1	16,062	1	26,764	1	37,488	1	48,211	1	58,934	1	69,658	1	80,381	1	91,104	1	101,828
1/4	5,574	1/4	16,285	1/4	26,988	1/4	37,711	1/4	48,434	1/4	59,158	1/4	69,881	1/4	80,604	1/4	91,328	1/4	102,051
1/2	5,797	1/2	16,507	1/2	27,211	1/2	37,934	1/2	48,658	1/2	59,381	1/2	70,104	1/2	80,828	1/2	91,551	1/2	102,274
3/4	6,020	3/4	16,730	3/4	27,434	3/4	38,158	3/4	48,881	3/4	59,604	3/4	70,328	3/4	81,051	3/4	91,774	3/4	102,498
1	6,242	1	16,952	1	27,658	1	38,381	1	49,104	1	59,828	1	70,551	1	81,274	1	91,998	1	102,721
1/4	6,466	1/4	17,175	1/4	27,881	1/4	38,605	1/4	49,328	1/4	60,051	1/4	70,775	1/4	81,498	1/4	92,221	1/4	102,945
1/2	6,689	1/2	17,398	1/2	28,105	1/2	38,828	1/2	49,551	1/2	60,275	1/2	70,998	1/2	81,721	1/2	92,445	1/2	103,169
3/4	6,912	3/4	17,620	3/4	28,328	3/4	39,051	3/4	49,775	3/4	60,498	3/4	71,221	3/4	81,945	3/4	92,668	3/4	103,393
1	7,135	1	17,843	1	28,551	1	39,275	1	49,998	1	60,721	1	71,445	1	82,168	1	92,891	1	103,615
1/4	7,359	1/4	18,065	1/4	28,775	1/4	39,498	1/4	50,221	1/4	60,945	1/4	71,668	1/4	82,392	1/4	93,115	1/4	103,838
1/2	7,582	1/2	18,288	1/2	28,998	1/2	39,722	1/2	50,445	1/2	61,168	1/2	71,892	1/2	82,615	1/2	93,338	1/2	104,061
3/4	7,805	3/4	18,511	3/4	29,222	3/4	39,945	3/4	50,668	3/4	61,392	3/4	72,115	3/4	82,838	3/4	93,562	3/4	104,285

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 27'-08" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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Portland, Texas 77688

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BARGE "CBC 78"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 1/4"

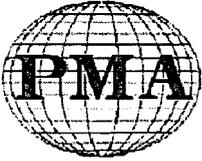
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	104,508	0	115,231	0	125,924	0	136,552	0	145,951	0		0		0		0		0	
1/4	104,732	1/4	115,455	1/4	126,146	1/4	136,773	1/4	146,004	1/4		1/4		1/4		1/4		1/4	
1/2	104,955	1/2	115,678	1/2	126,367	1/2	136,994	1/2	146,057	1/2		1/2		1/2		1/2		1/2	
3/4	105,178	3/4	115,902	3/4	126,589	3/4	137,215	3/4	146,110	3/4		3/4		3/4		3/4		3/4	
1	105,402	1	116,125	1	126,810	1	137,436	1	146,163	1		1		1		1		1	
1/4	105,625	1/4	116,348	1/4	127,032	1/4	137,657	1/4	146,178	1/4		1/4		1/4		1/4		1/4	
1/2	105,849	1/2	116,572	1/2	127,253	1/2	137,878	1/2	146,194	1/2		1/2		1/2		1/2		1/2	
3/4	106,072	3/4	116,795	3/4	127,475	3/4	138,099	3/4	146,209	3/4		3/4		3/4		3/4		3/4	
2	106,295	2	117,019	2	127,696	2	138,320	2	146,225	2		2		2		2		2	
1/4	106,519	1/4	117,242	1/4	127,918	1/4	138,541	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	106,742	1/2	117,465	1/2	128,139	1/2	138,763	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	106,966	3/4	117,689	3/4	128,361	3/4	138,984	3/4		3/4		3/4		3/4		3/4		3/4	
3	107,189	3	117,912	3	128,582	3	139,206	3		3		3		3		3		3	
1/4	107,412	1/4	118,135	1/4	128,804	1/4	139,427	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	107,636	1/2	118,359	1/2	129,025	1/2	139,649	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	107,859	3/4	118,582	3/4	129,247	3/4	139,870	3/4		3/4		3/4		3/4		3/4		3/4	
4	108,083	4	118,806	4	129,468	4	140,092	4		4		4		4		4		4	
1/4	108,306	1/4	119,029	1/4	129,690	1/4	140,312	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	108,529	1/2	119,252	1/2	129,911	1/2	140,532	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	108,753	3/4	119,476	3/4	130,133	3/4	140,753	3/4		3/4		3/4		3/4		3/4		3/4	
5	108,976	5	119,699	5	130,355	5	140,973	5		5		5		5		5		5	
1/4	109,200	1/4	119,923	1/4	130,576	1/4	141,194	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	109,423	1/2	120,146	1/2	130,798	1/2	141,414	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	109,646	3/4	120,369	3/4	131,019	3/4	141,634	3/4		3/4		3/4		3/4		3/4		3/4	
6	109,870	6	120,593	6	131,241	6	141,855	6		6		6		6		6		6	
1/4	110,093	1/4	120,816	1/4	131,462	1/4	142,075	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	110,317	1/2	121,040	1/2	131,684	1/2	142,295	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	110,540	3/4	121,263	3/4	131,905	3/4	142,516	3/4		3/4		3/4		3/4		3/4		3/4	
7	110,763	7	121,486	7	132,127	7	142,736	7		7		7		7		7		7	
1/4	110,987	1/4	121,710	1/4	132,348	1/4	142,956	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,210	1/2	121,933	1/2	132,570	1/2	143,177	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	111,434	3/4	122,157	3/4	132,791	3/4	143,397	3/4		3/4		3/4		3/4		3/4		3/4	
8	111,657	8	122,380	8	133,013	8	143,617	8		8		8		8		8		8	
1/4	111,880	1/4	122,602	1/4	133,234	1/4	143,819	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,104	1/2	122,823	1/2	133,456	1/2	144,021	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,327	3/4	123,045	3/4	133,677	3/4	144,223	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,551	9	123,266	9	133,899	9	144,424	9		9		9		9		9		9	
1/4	112,774	1/4	123,488	1/4	134,120	1/4	144,589	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,997	1/2	123,709	1/2	134,342	1/2	144,753	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,221	3/4	123,931	3/4	134,563	3/4	144,918	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,444	10	124,152	10	134,785	10	145,082	10		10		10		10		10		10	
1/4	113,668	1/4	124,374	1/4	135,006	1/4	145,209	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,891	1/2	124,595	1/2	135,227	1/2	145,337	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,114	3/4	124,817	3/4	135,448	3/4	145,464	3/4		3/4		3/4		3/4		3/4		3/4	
11	114,338	11	125,038	11	135,669	11	145,591	11		11		11		11		11		11	
1/4	114,561	1/4	125,260	1/4	135,889	1/4	145,681	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,785	1/2	125,481	1/2	136,110	1/2	145,771	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,008	3/4	125,703	3/4	136,331	3/4	145,861	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/21/2007 CL - SW
CALCULATED: 12/21/2007 CL
PRINTED: 12/21/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2007

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 78"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 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'-00"

December 21, 2007

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

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Pearland, Texas 77588

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BARGE "CBC 78"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0	144,433	0	135,284	0	124,752	0	114,158	0	103,533	0	92,905	0	82,275	0	71,645	0	61,016		
1/4	1/4	1/4	144,380	1/4	135,066	1/4	124,532	1/4	113,936	1/4	103,311	1/4	92,683	1/4	82,054	1/4	71,424	1/4	60,794		
1/2	1/2	1/2	144,291	1/2	134,847	1/2	124,313	1/2	113,715	1/2	103,090	1/2	92,462	1/2	81,832	1/2	71,202	1/2	60,573		
3/4	3/4	3/4	144,202	3/4	134,628	3/4	124,093	3/4	113,494	3/4	102,869	3/4	92,240	3/4	81,611	3/4	70,981	3/4	60,351		
1	1	1	144,113	1	134,409	1	123,874	1	113,272	1	102,647	1	92,019	1	81,389	1	70,760	1	60,130		
1/4	1/4	1/4	144,024	1/4	134,190	1/4	123,654	1/4	113,051	1/4	102,426	1/4	91,797	1/4	81,168	1/4	70,538	1/4	59,909		
1/2	1/2	1/2	143,898	1/2	133,971	1/2	123,435	1/2	112,830	1/2	102,204	1/2	91,576	1/2	80,946	1/2	70,317	1/2	59,687		
3/4	3/4	3/4	143,771	3/4	133,752	3/4	123,215	3/4	112,608	3/4	101,983	3/4	91,354	3/4	80,725	3/4	70,095	3/4	59,466		
2	2	2	143,645	2	133,533	2	122,996	2	112,387	2	101,762	2	91,133	2	80,503	2	69,874	2	59,244		
1/4	1/4	1/4	143,519	1/4	133,314	1/4	122,776	1/4	112,166	1/4	101,540	1/4	90,911	1/4	80,282	1/4	69,652	1/4	59,023		
1/2	1/2	1/2	143,356	1/2	133,094	1/2	122,557	1/2	111,944	1/2	101,319	1/2	90,690	1/2	80,060	1/2	69,431	1/2	58,801		
3/4	3/4	3/4	143,193	3/4	132,875	3/4	122,337	3/4	111,723	3/4	101,098	3/4	90,469	3/4	79,839	3/4	69,209	3/4	58,580		
3	3	3	143,030	3	132,655	3	122,118	3	111,501	3	100,876	3	90,247	3	79,618	3	68,988	3	58,358		
1/4	1/4	1/4	142,867	1/4	132,436	1/4	121,898	1/4	111,280	1/4	100,655	1/4	90,026	1/4	79,396	1/4	68,767	1/4	58,137		
1/2	1/2	1/2	142,667	1/2	132,216	1/2	121,679	1/2	111,059	1/2	100,434	1/2	89,804	1/2	79,175	1/2	68,545	1/2	57,916		
3/4	3/4	3/4	142,467	3/4	131,997	3/4	121,459	3/4	110,837	3/4	100,212	3/4	89,583	3/4	78,953	3/4	68,324	3/4	57,694		
4	4	4	142,267	4	131,777	4	121,239	4	110,616	4	99,991	4	89,361	4	78,732	4	68,102	4	57,473		
1/4	1/4	1/4	142,067	1/4	131,558	1/4	121,020	1/4	110,395	1/4	99,769	1/4	89,140	1/4	78,510	1/4	67,881	1/4	57,251		
1/2	1/2	1/2	141,849	1/2	131,338	1/2	120,799	1/2	110,173	1/2	99,548	1/2	88,918	1/2	78,289	1/2	67,659	1/2	57,030		
3/4	3/4	3/4	141,631	3/4	131,119	3/4	120,577	3/4	109,952	3/4	99,327	3/4	88,697	3/4	78,067	3/4	67,438	3/4	56,808		
5	5	5	141,412	5	130,899	5	120,356	5	109,731	5	99,105	5	88,476	5	77,846	5	67,216	5	56,587		
1/4	1/4	1/4	141,194	1/4	130,679	1/4	120,134	1/4	109,509	1/4	98,884	1/4	88,254	1/4	77,625	1/4	66,995	1/4	56,365		
1/2	1/2	1/2	140,976	1/2	130,460	1/2	119,913	1/2	109,288	1/2	98,662	1/2	88,033	1/2	77,403	1/2	66,773	1/2	56,144		
3/4	3/4	3/4	140,757	3/4	130,240	3/4	119,692	3/4	109,067	3/4	98,441	3/4	87,811	3/4	77,182	3/4	66,552	3/4	55,922		
6	6	6	140,539	6	130,021	6	119,470	6	108,845	6	98,219	6	87,590	6	76,960	6	66,331	6	55,701		
1/4	1/4	1/4	140,320	1/4	129,801	1/4	119,249	1/4	108,624	1/4	97,998	1/4	87,368	1/4	76,739	1/4	66,109	1/4	55,480		
1/2	1/2	1/2	140,102	1/2	129,582	1/2	119,028	1/2	108,402	1/2	97,776	1/2	87,147	1/2	76,517	1/2	65,888	1/2	55,258		
3/4	3/4	3/4	139,884	3/4	129,362	3/4	118,806	3/4	108,181	3/4	97,555	3/4	86,925	3/4	76,296	3/4	65,666	3/4	55,037		
7	7	7	139,665	7	129,143	7	118,585	7	107,960	7	97,334	7	86,704	7	76,074	7	65,445	7	54,815		
1/4	1/4	1/4	139,447	1/4	128,923	1/4	118,364	1/4	107,738	1/4	97,112	1/4	86,483	1/4	75,853	1/4	65,223	1/4	54,594		
1/2	1/2	1/2	139,229	1/2	128,704	1/2	118,142	1/2	107,517	1/2	96,891	1/2	86,261	1/2	75,631	1/2	65,002	1/2	54,372		
3/4	3/4	3/4	139,010	3/4	128,484	3/4	117,921	3/4	107,296	3/4	96,669	3/4	86,040	3/4	75,410	3/4	64,780	3/4	54,151		
8	8	8	138,792	8	128,265	8	117,700	8	107,074	8	96,448	8	85,818	8	75,189	8	64,559	8	53,929		
1/4	1/4	1/4	138,573	1/4	128,045	1/4	117,478	1/4	106,853	1/4	96,226	1/4	85,597	1/4	74,967	1/4	64,338	1/4	53,708		
1/2	1/2	1/2	138,354	1/2	127,825	1/2	117,257	1/2	106,632	1/2	96,005	1/2	85,375	1/2	74,746	1/2	64,116	1/2	53,487		
3/4	3/4	3/4	138,134	3/4	127,606	3/4	117,035	3/4	106,410	3/4	95,783	3/4	85,154	3/4	74,524	3/4	63,895	3/4	53,265		
9	9	9	137,915	9	127,386	9	116,814	9	106,189	9	95,562	9	84,932	9	74,303	9	63,673	9	53,044		
1/4	1/4	1/4	137,695	1/4	127,167	1/4	116,593	1/4	105,968	1/4	95,340	1/4	84,711	1/4	74,081	1/4	63,452	1/4	52,822		
1/2	1/2	1/2	137,476	1/2	126,947	1/2	116,371	1/2	105,746	1/2	95,119	1/2	84,489	1/2	73,860	1/2	63,230	1/2	52,601		
3/4	3/4	3/4	137,256	3/4	126,728	3/4	116,150	3/4	105,525	3/4	94,898	3/4	84,268	3/4	73,638	3/4	63,009	3/4	52,379		
10	10	10	137,037	10	126,508	10	115,929	10	105,303	10	94,676	10	84,047	10	73,417	10	62,787	10	52,158		
1/4	1/4	1/4	144,651	1/4	136,817	1/4	126,289	1/4	115,707	1/4	105,082	1/4	94,455	1/4	83,825	1/4	73,196	1/4	62,566	1/4	51,936
1/2	1/2	1/2	144,636	1/2	136,598	1/2	126,069	1/2	115,486	1/2	104,861	1/2	94,233	1/2	83,604	1/2	72,974	1/2	62,345	1/2	51,715
3/4	3/4	3/4	144,620	3/4	136,379	3/4	125,850	3/4	115,265	3/4	104,639	3/4	94,012	3/4	83,382	3/4	72,753	3/4	62,123	3/4	51,493
11	11	11	144,605	11	136,160	11	125,630	11	115,043	11	104,418	11	93,790	11	83,161	11	72,531	11	61,902	11	51,272
1/4	1/4	1/4	144,590	1/4	135,941	1/4	125,411	1/4	114,822	1/4	104,197	1/4	93,569	1/4	82,939	1/4	72,310	1/4	61,680	1/4	51,051
1/2	1/2	1/2	144,574	1/2	135,722	1/2	125,191	1/2	114,601	1/2	103,975	1/2	93,347	1/2	82,718	1/2	72,088	1/2	61,459	1/2	50,829
3/4	3/4	3/4	144,485	3/4	135,503	3/4	124,972	3/4	114,379	3/4	103,754	3/4	93,126	3/4	82,496	3/4	71,867	3/4	61,237	3/4	50,608

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "CBC 78"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	50,386	0	39,757	0	29,127	0	18,614	0	8,180	0	45	0	0	0	0	0	0	0	0
1/4	50,165	1/4	39,535	1/4	28,906	1/4	18,400	1/4	7,959	1/4	26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,943	1/2	39,314	1/2	28,684	1/2	18,187	1/2	7,737	1/2	26	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,722	3/4	39,092	3/4	28,463	3/4	17,973	3/4	7,516	3/4	26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	49,500	1	38,871	1	28,241	1	17,760	1	7,295	1	1	1	1	1	1	1	1	1	1
1/4	49,279	1/4	38,649	1/4	28,020	1/4	17,546	1/4	7,073	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,058	1/2	38,428	1/2	27,798	1/2	17,332	1/2	6,852	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,836	3/4	38,206	3/4	27,577	3/4	17,119	3/4	6,631	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	48,615	2	37,985	2	27,355	2	16,905	2	6,410	2	2	2	2	2	2	2	2	2	2
1/4	48,393	1/4	37,764	1/4	27,134	1/4	16,692	1/4	6,188	1/4	2	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,172	1/2	37,542	1/2	26,913	1/2	16,478	1/2	5,967	1/2	2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,950	3/4	37,321	3/4	26,691	3/4	16,265	3/4	5,747	3/4	2	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	47,729	3	37,099	3	26,470	3	16,051	3	5,526	3	3	3	3	3	3	3	3	3	3
1/4	47,507	1/4	36,878	1/4	26,248	1/4	15,837	1/4	5,305	1/4	3	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,286	1/2	36,656	1/2	26,027	1/2	15,624	1/2	5,085	1/2	3	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,064	3/4	36,435	3/4	25,805	3/4	15,410	3/4	4,865	3/4	3	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	46,843	4	36,213	4	25,584	4	15,197	4	4,645	4	4	4	4	4	4	4	4	4	4
1/4	46,622	1/4	35,992	1/4	25,362	1/4	14,983	1/4	4,425	1/4	4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,400	1/2	35,771	1/2	25,141	1/2	14,769	1/2	4,206	1/2	4	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,179	3/4	35,549	3/4	24,920	3/4	14,556	3/4	3,987	3/4	4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	45,957	5	35,328	5	24,698	5	14,342	5	3,768	5	5	5	5	5	5	5	5	5	5
1/4	45,736	1/4	35,106	1/4	24,477	1/4	14,129	1/4	3,549	1/4	5	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,514	1/2	34,885	1/2	24,255	1/2	13,915	1/2	3,332	1/2	5	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,293	3/4	34,663	3/4	24,034	3/4	13,701	3/4	3,115	3/4	5	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	45,071	6	34,442	6	23,812	6	13,487	6	2,898	6	6	6	6	6	6	6	6	6	6
1/4	44,850	1/4	34,220	1/4	23,591	1/4	13,273	1/4	2,681	1/4	6	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44,629	1/2	33,999	1/2	23,369	1/2	13,052	1/2	2,479	1/2	6	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44,407	3/4	33,778	3/4	23,148	3/4	12,830	3/4	2,276	3/4	6	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	44,186	7	33,556	7	22,926	7	12,609	7	2,074	7	7	7	7	7	7	7	7	7	7
1/4	43,964	1/4	33,335	1/4	22,705	1/4	12,387	1/4	1,871	1/4	7	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	43,743	1/2	33,113	1/2	22,484	1/2	12,166	1/2	1,705	1/2	7	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	43,521	3/4	32,892	3/4	22,262	3/4	11,944	3/4	1,539	3/4	7	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	43,300	8	32,670	8	22,041	8	11,723	8	1,373	8	8	8	8	8	8	8	8	8	8
1/4	43,078	1/4	32,449	1/4	21,819	1/4	11,502	1/4	1,207	1/4	8	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42,857	1/2	32,227	1/2	21,605	1/2	11,280	1/2	1,078	1/2	8	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	42,635	3/4	32,006	3/4	21,391	3/4	11,059	3/4	949	3/4	8	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	42,414	9	31,784	9	21,177	9	10,837	9	820	9	9	9	9	9	9	9	9	9	9
1/4	42,193	1/4	31,563	1/4	20,963	1/4	10,616	1/4	690	1/4	9	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,971	1/2	31,342	1/2	20,750	1/2	10,395	1/2	598	1/2	9	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41,750	3/4	31,120	3/4	20,536	3/4	10,173	3/4	506	3/4	9	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	41,528	10	30,899	10	20,323	10	9,952	10	414	10	10	10	10	10	10	10	10	10	10
1/4	41,307	1/4	30,677	1/4	20,109	1/4	9,730	1/4	321	1/4	10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	41,085	1/2	30,456	1/2	19,896	1/2	9,509	1/2	266	1/2	10	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	40,864	3/4	30,234	3/4	19,682	3/4	9,287	3/4	211	3/4	10	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	40,642	11	30,013	11	19,468	11	9,066	11	155	11	11	11	11	11	11	11	11	11	11
1/4	40,421	1/4	29,791	1/4	19,255	1/4	8,845	1/4	100	1/4	11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	40,200	1/2	29,570	1/2	19,041	1/2	8,623	1/2	82	1/2	11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	39,978	3/4	29,349	3/4	18,828	3/4	8,402	3/4	63	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: 12/21/2007 CL - SW
CALCULATED: 12/21/2007 CL
PRINTED: 12/21/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2007

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "CBC 78"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

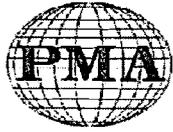
GAUGE HEIGHT 15'-00"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		
0		0	164,066	0	153,485	0	141,520	0	129,483	0	117,414	0	105,341	0	93,266	0	81,191	0	69,117	
1/4	1/4	163,965		153,386	1/4	141,471	1/4	129,432	1/4	117,362	1/4	105,289	1/4	93,214	1/4	81,138	1/4	69,064		
1/2	1/2	163,864		153,288	1/2	141,021	1/2	128,981	1/2	116,911	1/2	104,838	1/2	92,763	1/2	80,688	1/2	68,614		
3/4	3/4	163,762		152,739	3/4	140,772	3/4	128,729	3/4	116,659	3/4	104,586	3/4	92,511	3/4	80,437	3/4	68,362		
1	1	163,661		152,490	1	140,523	1	128,478	1	116,408	1	104,335	1	92,260	1	80,185	1	68,110		
1/4	1/4	163,518		152,241	1/4	140,273	1/4	128,226	1/4	116,157	1/4	104,083	1/4	92,008	1/4	79,934	1/4	67,859		
1/2	1/2	163,375		151,993	1/2	140,024	1/2	127,975	1/2	115,905	1/2	103,831	1/2	91,757	1/2	79,682	1/2	67,607		
3/4	3/4	163,231		151,744	3/4	139,774	3/4	127,723	3/4	115,654	3/4	103,580	3/4	91,505	3/4	79,430	3/4	67,356		
2	2	163,088		151,495	2	139,525	2	127,472	2	115,402	2	103,328	2	91,254	2	79,179	2	67,104		
1/4	1/4	162,903		151,246	1/4	139,276	1/4	127,220	1/4	115,151	1/4	103,077	1/4	91,002	1/4	78,927	1/4	66,853		
1/2	1/2	162,718		150,997	1/2	139,026	1/2	126,969	1/2	114,899	1/2	102,825	1/2	90,750	1/2	78,676	1/2	66,601		
3/4	3/4	162,533		150,747	3/4	138,777	3/4	126,717	3/4	114,648	3/4	102,574	3/4	90,499	3/4	78,424	3/4	66,350		
3	3	162,347		150,498	3	138,527	3	126,466	3	114,396	3	102,322	3	90,247	3	78,173	3	66,098		
1/4	1/4	162,120		150,248	1/4	138,278	1/4	126,215	1/4	114,145	1/4	102,071	1/4	89,996	1/4	77,921	1/4	65,846		
1/2	1/2	161,893		149,999	1/2	138,029	1/2	125,963	1/2	113,893	1/2	101,819	1/2	89,744	1/2	77,670	1/2	65,595		
3/4	3/4	161,666		149,750	3/4	137,779	3/4	125,712	3/4	113,642	3/4	101,567	3/4	89,493	3/4	77,418	3/4	65,343		
4	4	161,439		149,500	4	137,530	4	125,460	4	113,391	4	101,316	4	89,241	4	77,166	4	65,092		
1/4	1/4	161,191		149,251	1/4	137,278	1/4	125,209	1/4	113,139	1/4	101,064	1/4	88,990	1/4	76,915	1/4	64,840		
1/2	1/2	160,943		149,001	1/2	137,027	1/2	124,957	1/2	112,887	1/2	100,813	1/2	88,738	1/2	76,663	1/2	64,589		
3/4	3/4	160,695		148,752	3/4	136,776	3/4	124,706	3/4	112,636	3/4	100,561	3/4	88,486	3/4	76,412	3/4	64,337		
5	5	160,447		148,503	5	136,524	5	124,454	5	112,384	5	100,310	5	88,235	5	76,160	5	64,086		
1/4	1/4	160,199		148,253	1/4	136,273	1/4	124,203	1/4	112,133	1/4	100,058	1/4	87,983	1/4	75,909	1/4	63,834		
1/2	1/2	159,951		148,004	1/2	136,021	1/2	123,952	1/2	111,881	1/2	99,807	1/2	87,732	1/2	75,657	1/2	63,582		
3/4	3/4	159,702		147,755	3/4	135,770	3/4	123,700	3/4	111,630	3/4	99,555	3/4	87,480	3/4	75,406	3/4	63,331		
6	6	159,454		147,505	6	135,518	6	123,449	6	111,378	6	99,303	6	87,229	6	75,154	6	63,079		
1/4	1/4	159,206		147,256	1/4	135,267	1/4	123,197	1/4	111,127	1/4	99,052	1/4	86,977	1/4	74,902	1/4	62,828		
1/2	1/2	158,958		147,006	1/2	135,015	1/2	122,946	1/2	110,875	1/2	98,800	1/2	86,726	1/2	74,651	1/2	62,576		
3/4	3/4	158,710		146,757	3/4	134,764	3/4	122,694	3/4	110,623	3/4	98,549	3/4	86,474	3/4	74,399	3/4	62,325		
7	7	158,462		146,508	7	134,513	7	122,443	7	110,372	7	98,297	7	86,222	7	74,148	7	62,073		
1/4	1/4	158,214		146,258	1/4	134,261	1/4	122,191	1/4	110,120	1/4	98,046	1/4	85,971	1/4	73,896	1/4	61,822		
1/2	1/2	157,966		146,009	1/2	134,010	1/2	121,940	1/2	109,869	1/2	97,794	1/2	85,719	1/2	73,645	1/2	61,570		
3/4	3/4	157,718		145,760	3/4	133,758	3/4	121,688	3/4	109,617	3/4	97,543	3/4	85,468	3/4	73,393	3/4	61,318		
8	8	157,470		145,510	8	133,507	8	121,437	8	109,366	8	97,291	8	85,216	8	73,142	8	61,067		
1/4	1/4	157,220		145,261	1/4	133,255	1/4	121,186	1/4	109,114	1/4	97,039	1/4	84,965	1/4	72,890	1/4	60,815		
1/2	1/2	156,971		145,011	1/2	133,004	1/2	120,934	1/2	108,863	1/2	96,788	1/2	84,713	1/2	72,638	1/2	60,564		
3/4	3/4	156,722		144,762	3/4	132,752	3/4	120,683	3/4	108,611	3/4	96,536	3/4	84,462	3/4	72,387	3/4	60,312		
9	9	156,472		144,513	9	132,501	9	120,431	9	108,359	9	96,285	9	84,210	9	72,135	9	60,061		
1/4	1/4	156,223		144,263	1/4	132,249	1/4	120,180	1/4	108,108	1/4	96,033	1/4	83,958	1/4	71,884	1/4	59,809		
1/2	1/2	155,974		144,014	1/2	131,998	1/2	119,928	1/2	107,856	1/2	95,782	1/2	83,707	1/2	71,632	1/2	59,558		
3/4	3/4	155,724		143,764	3/4	131,747	3/4	119,677	3/4	107,605	3/4	95,530	3/4	83,455	3/4	71,381	3/4	59,306		
10	164,374	10	155,475	10	143,515	10	131,495	10	119,425	10	107,353	10	95,278	10	83,204	10	71,129	10	59,054	
1/4	164,356	1/4	155,226	1/4	143,266	1/4	131,244	1/4	119,174	1/4	107,102	1/4	95,027	1/4	82,952	1/4	70,878	1/4	58,803	
1/2	164,339	1/2	154,977	1/2	143,016	1/2	130,992	1/2	118,922	1/2	106,850	1/2	94,775	1/2	82,701	1/2	70,626	1/2	58,551	
3/4	164,321	3/4	154,729	3/4	142,767	3/4	130,741	3/4	118,671	3/4	106,599	3/4	94,524	3/4	82,449	3/4	70,374	3/4	58,300	
11	164,304	11	154,480	11	142,518	11	130,489	11	118,420	11	106,347	11	94,272	11	82,198	11	70,123	11	58,048	
1/4	164,245	1/4	154,231	1/4	142,268	1/4	130,238	1/4	118,168	1/4	106,095	1/4	94,021	1/4	81,946	1/4	69,871	1/4	57,797	
1/2	164,185	1/2	153,982	1/2	142,019	1/2	129,986	1/2	117,917	1/2	105,844	1/2	93,769	1/2	81,694	1/2	69,620	1/2	57,545	
3/4	164,126	3/4	153,734	3/4	141,769	3/4	129,735	3/4	117,665	3/4	105,592	3/4	93,518	3/4	81,443	3/4	69,368	3/4	57,294	

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 INNAE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 31'-09" 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 78"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-00"

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	57,042	0	44,967	0	32,893	0	20,935	0	9,037	0	26	0	0	0	0	0	0	0	0
1/4	56,790	1/4	44,716	1/4	32,641	1/4	20,691	1/4	8,786	1/4	26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,539	1/2	44,464	1/2	32,389	1/2	20,447	1/2	8,534	1/2	26	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,287	3/4	44,213	3/4	32,138	3/4	20,203	3/4	8,283	3/4	26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	56,036	1	43,961	1	31,886	1	19,958	1	8,031	1	1	1	1	1	1	1	1	1	1
1/4	55,784	1/4	43,709	1/4	31,635	1/4	19,714	1/4	7,780	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,533	1/2	43,458	1/2	31,383	1/2	19,470	1/2	7,529	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,281	3/4	43,206	3/4	31,132	3/4	19,226	3/4	7,277	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	55,030	2	42,955	2	30,880	2	18,982	2	7,026	2	2	2	2	2	2	2	2	2	2
1/4	54,778	1/4	42,703	1/4	30,629	1/4	18,738	1/4	6,775	1/4	2	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,526	1/2	42,452	1/2	30,377	1/2	18,493	1/2	6,524	1/2	2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,275	3/4	42,200	3/4	30,125	3/4	18,249	3/4	6,274	3/4	2	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	54,023	3	41,949	3	29,874	3	18,005	3	6,023	3	3	3	3	3	3	3	3	3	3
1/4	53,772	1/4	41,697	1/4	29,622	1/4	17,761	1/4	5,773	1/4	3	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,520	1/2	41,445	1/2	29,371	1/2	17,517	1/2	5,523	1/2	3	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,269	3/4	41,194	3/4	29,119	3/4	17,273	3/4	5,273	3/4	3	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	53,017	4	40,942	4	28,868	4	17,029	4	5,023	4	4	4	4	4	4	4	4	4	4
1/4	52,765	1/4	40,691	1/4	28,616	1/4	16,784	1/4	4,774	1/4	4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,514	1/2	40,439	1/2	28,365	1/2	16,540	1/2	4,525	1/2	4	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,262	3/4	40,188	3/4	28,113	3/4	16,296	3/4	4,277	3/4	4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	52,011	5	39,936	5	27,861	5	16,052	5	4,028	5	5	5	5	5	5	5	5	5	5
1/4	51,759	1/4	39,685	1/4	27,610	1/4	15,807	1/4	3,781	1/4	5	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,508	1/2	39,433	1/2	27,358	1/2	15,563	1/2	3,535	1/2	5	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,256	3/4	39,181	3/4	27,107	3/4	15,318	3/4	3,288	3/4	5	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	51,005	6	38,930	6	26,855	6	15,074	6	3,042	6	6	6	6	6	6	6	6	6	6
1/4	50,753	1/4	38,678	1/4	26,604	1/4	14,822	1/4	2,812	1/4	6	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,501	1/2	38,427	1/2	26,352	1/2	14,571	1/2	2,582	1/2	6	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,250	3/4	38,175	3/4	26,101	3/4	14,319	3/4	2,352	3/4	6	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	49,998	7	37,924	7	25,849	7	14,068	7	2,122	7	7	7	7	7	7	7	7	7	7
1/4	49,747	1/4	37,672	1/4	25,597	1/4	13,816	1/4	1,934	1/4	7	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,495	1/2	37,421	1/2	25,346	1/2	13,565	1/2	1,745	1/2	7	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,244	3/4	37,169	3/4	25,094	3/4	13,313	3/4	1,556	3/4	7	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	48,992	8	36,917	8	24,843	8	13,062	8	1,368	8	8	8	8	8	8	8	8	8	8
1/4	48,741	1/4	36,666	1/4	24,598	1/4	12,810	1/4	1,221	1/4	8	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,489	1/2	36,414	1/2	24,354	1/2	12,559	1/2	1,074	1/2	8	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,237	3/4	36,163	3/4	24,109	3/4	12,307	3/4	927	3/4	8	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	47,986	9	35,911	9	23,865	9	12,056	9	781	9	9	9	9	9	9	9	9	9	9
1/4	47,734	1/4	35,660	1/4	23,621	1/4	11,804	1/4	676	1/4	9	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,483	1/2	35,408	1/2	23,376	1/2	11,553	1/2	571	1/2	9	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,231	3/4	35,157	3/4	23,132	3/4	11,301	3/4	466	3/4	9	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	46,980	10	34,905	10	22,888	10	11,050	10	362	10	10	10	10	10	10	10	10	10	10
1/4	46,728	1/4	34,653	1/4	22,644	1/4	10,798	1/4	299	1/4	10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	46,477	1/2	34,402	1/2	22,400	1/2	10,547	1/2	236	1/2	10	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	46,225	3/4	34,150	3/4	22,156	3/4	10,295	3/4	173	3/4	10	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	45,973	11	33,899	11	21,912	11	10,044	11	110	11	11	11	11	11	11	11	11	11	11
1/4	45,722	1/4	33,647	1/4	21,667	1/4	9,792	1/4	89	1/4	11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45,470	1/2	33,396	1/2	21,423	1/2	9,540	1/2	68	1/2	11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	45,219	3/4	33,144	3/4	21,179	3/4	9,289	3/4	47	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: 12/21/2007 CL - SW
CALCULATED: 12/21/2007 CL
PRINTED: 12/21/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2007

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



BARGE "CBC 78"

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		IN		IN		IN		IN		IN			
0		0	146,004	0	136,773	0	126,146	0	115,455	0	104,732	0	94,008	0	83,285	0	72,562	0	61,838		
1/4	1/4	1/4	145,951	1/4	136,552	1/4	125,924	1/4	115,231	1/4	104,508	1/4	93,785	1/4	83,062	1/4	72,338	1/4	61,615		
1/2	1/2	1/2	145,861	1/2	136,331	1/2	125,703	1/2	115,008	1/2	104,285	1/2	93,562	1/2	82,838	1/2	72,115	1/2	61,392		
3/4	3/4	3/4	145,771	3/4	136,110	3/4	125,481	3/4	114,785	3/4	104,061	3/4	93,338	3/4	82,615	3/4	71,892	3/4	61,168		
1		1	145,681	1	135,889	1	125,260	1	114,561	1	103,838	1	93,115	1	82,392	1	71,668	1	60,945		
1/4	1/4	1/4	145,591	1/4	135,669	1/4	125,038	1/4	114,338	1/4	103,615	1/4	92,891	1/4	82,168	1/4	71,445	1/4	60,721		
1/2	1/2	1/2	145,464	1/2	135,448	1/2	124,817	1/2	114,114	1/2	103,391	1/2	92,668	1/2	81,945	1/2	71,221	1/2	60,498		
3/4	3/4	3/4	145,337	3/4	135,227	3/4	124,595	3/4	113,891	3/4	103,168	3/4	92,445	3/4	81,721	3/4	70,998	3/4	60,275		
2		2	145,209	2	135,006	2	124,374	2	113,668	2	102,945	2	92,221	2	81,498	2	70,775	2	60,051		
1/4	1/4	1/4	145,082	1/4	134,785	1/4	124,152	1/4	113,444	1/4	102,721	1/4	91,998	1/4	81,274	1/4	70,551	1/4	59,828		
1/2	1/2	1/2	144,918	1/2	134,563	1/2	123,931	1/2	113,221	1/2	102,498	1/2	91,774	1/2	81,051	1/2	70,328	1/2	59,604		
3/4	3/4	3/4	144,753	3/4	134,342	3/4	123,709	3/4	112,997	3/4	102,274	3/4	91,551	3/4	80,828	3/4	70,104	3/4	59,381		
3		3	144,589	3	134,120	3	123,488	3	112,774	3	102,051	3	91,328	3	80,604	3	69,881	3	59,158		
1/4	1/4	1/4	144,424	1/4	133,899	1/4	123,266	1/4	112,551	1/4	101,828	1/4	91,104	1/4	80,381	1/4	69,658	1/4	58,934		
1/2	1/2	1/2	144,223	1/2	133,677	1/2	123,045	1/2	112,327	1/2	101,604	1/2	90,881	1/2	80,157	1/2	69,434	1/2	58,711		
3/4	3/4	3/4	144,021	3/4	133,456	3/4	122,823	3/4	112,104	3/4	101,381	3/4	90,657	3/4	79,934	3/4	69,211	3/4	58,487		
4		4	143,819	4	133,234	4	122,602	4	111,880	4	101,157	4	90,434	4	79,711	4	68,987	4	58,264		
1/4	1/4	1/4	143,617	1/4	133,013	1/4	122,380	1/4	111,657	1/4	100,934	1/4	90,211	1/4	79,487	1/4	68,764	1/4	58,041		
1/2	1/2	1/2	143,397	1/2	132,791	1/2	122,157	1/2	111,434	1/2	100,711	1/2	89,987	1/2	79,264	1/2	68,541	1/2	57,817		
3/4	3/4	3/4	143,177	3/4	132,570	3/4	121,933	3/4	111,210	3/4	100,487	3/4	89,764	3/4	79,040	3/4	68,317	3/4	57,594		
5		5	142,956	5	132,348	5	121,710	5	110,987	5	100,264	5	89,540	5	78,817	5	68,094	5	57,370		
1/4	1/4	1/4	142,736	1/4	132,127	1/4	121,486	1/4	110,763	1/4	100,040	1/4	89,317	1/4	78,594	1/4	67,870	1/4	57,147		
1/2	1/2	1/2	142,516	1/2	131,905	1/2	121,263	1/2	110,540	1/2	99,817	1/2	89,094	1/2	78,370	1/2	67,647	1/2	56,924		
3/4	3/4	3/4	142,295	3/4	131,684	3/4	121,040	3/4	110,317	3/4	99,594	3/4	88,870	3/4	78,147	3/4	67,424	3/4	56,700		
6		6	142,075	6	131,462	6	120,816	6	110,093	6	99,370	6	88,647	6	77,923	6	67,200	6	56,477		
1/4	1/4	1/4	141,855	1/4	131,241	1/4	120,593	1/4	109,870	1/4	99,147	1/4	88,423	1/4	77,700	1/4	66,977	1/4	56,253		
1/2	1/2	1/2	141,634	1/2	131,019	1/2	120,369	1/2	109,646	1/2	98,923	1/2	88,200	1/2	77,477	1/2	66,753	1/2	56,030		
3/4	3/4	3/4	141,414	3/4	130,798	3/4	120,146	3/4	109,423	3/4	98,700	3/4	87,977	3/4	77,253	3/4	66,530	3/4	55,807		
7		7	141,194	7	130,576	7	119,923	7	109,200	7	98,477	7	87,753	7	77,030	7	66,306	7	55,583		
1/4	1/4	1/4	140,973	1/4	130,355	1/4	119,699	1/4	108,976	1/4	98,253	1/4	87,530	1/4	76,806	1/4	66,083	1/4	55,360		
1/2	1/2	1/2	140,753	1/2	130,133	1/2	119,476	1/2	108,753	1/2	98,030	1/2	87,306	1/2	76,583	1/2	65,860	1/2	55,136		
3/4	3/4	3/4	140,532	3/4	129,911	3/4	119,252	3/4	108,529	3/4	97,806	3/4	87,083	3/4	76,360	3/4	65,636	3/4	54,913		
8		8	140,312	8	129,690	8	119,029	8	108,306	8	97,583	8	86,860	8	76,136	8	65,413	8	54,690		
1/4	1/4	1/4	140,092	1/4	129,468	1/4	118,806	1/4	108,083	1/4	97,359	1/4	86,636	1/4	75,913	1/4	65,189	1/4	54,466		
1/2	1/2	1/2	139,870	1/2	129,247	1/2	118,582	1/2	107,859	1/2	97,136	1/2	86,413	1/2	75,689	1/2	64,966	1/2	54,243		
3/4	3/4	3/4	139,649	3/4	129,025	3/4	118,359	3/4	107,636	3/4	96,913	3/4	86,189	3/4	75,466	3/4	64,743	3/4	54,019		
9		9	139,427	9	128,804	9	118,135	9	107,412	9	96,689	9	85,966	9	75,243	9	64,519	9	53,796		
1/4	1/4	1/4	139,206	1/4	128,582	1/4	117,912	1/4	107,189	1/4	96,466	1/4	85,743	1/4	75,019	1/4	64,296	1/4	53,573		
1/2	1/2	1/2	138,984	1/2	128,361	1/2	117,689	1/2	106,966	1/2	96,242	1/2	85,519	1/2	74,796	1/2	64,072	1/2	53,349		
3/4	3/4	3/4	138,763	3/4	128,139	3/4	117,465	3/4	106,742	3/4	96,019	3/4	85,296	3/4	74,572	3/4	63,849	3/4	53,126		
10		10	138,541	10	127,918	10	117,242	10	106,519	10	95,796	10	85,072	10	74,349	10	63,626	10	52,902		
1/4	1/4	1/4	146,225	1/4	138,320	1/4	127,696	1/4	117,019	1/4	106,295	1/4	95,572	1/4	84,849	1/4	74,126	1/4	63,402	1/4	52,679
1/2	1/2	1/2	146,209	1/2	138,099	1/2	127,475	1/2	116,795	1/2	106,072	1/2	95,349	1/2	84,626	1/2	73,902	1/2	63,179	1/2	52,456
3/4	3/4	3/4	146,194	3/4	137,878	3/4	127,253	3/4	116,572	3/4	105,849	3/4	95,125	3/4	84,402	3/4	73,679	3/4	62,953	3/4	52,232
11		11	146,178	11	137,657	11	127,032	11	116,348	11	105,625	11	94,902	11	84,179	11	73,455	11	62,732	11	52,009
1/4	1/4	1/4	146,163	1/4	137,436	1/4	126,810	1/4	116,125	1/4	105,402	1/4	94,679	1/4	83,955	1/4	73,232	1/4	62,509	1/4	51,785
1/2	1/2	1/2	146,110	1/2	137,215	1/2	126,589	1/2	115,902	1/2	105,178	1/2	94,455	1/2	83,732	1/2	73,009	1/2	62,285	1/2	51,562
3/4	3/4	3/4	146,057	3/4	136,994	3/4	126,367	3/4	115,678	3/4	104,955	3/4	94,232	3/4	83,509	3/4	72,785	3/4	62,062	3/4	51,339

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "CBC 78"

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	51,115	0	40,392	0	29,668	0	18,956	0	8,252	0	45	0		0		0		0	
1/4	50,892	1/4	40,168	1/4	29,445	1/4	18,733	1/4	8,029	1/4	26	1/4		1/4		1/4		1/4	
1/2	50,668	1/2	39,945	1/2	29,222	1/2	18,511	1/2	7,805	1/2		1/2		1/2		1/2		1/2	
3/4	50,445	3/4	39,722	3/4	28,998	3/4	18,288	3/4	7,582	3/4		3/4		3/4		3/4		3/4	
1	50,221	1	39,498	1	28,775	1	18,065	1	7,359	1		1		1		1		1	
1/4	49,998	1/4	39,275	1/4	28,551	1/4	17,843	1/4	7,135	1/4		1/4		1/4		1/4		1/4	
1/2	49,775	1/2	39,051	1/2	28,328	1/2	17,620	1/2	6,912	1/2		1/2		1/2		1/2		1/2	
3/4	49,551	3/4	38,828	3/4	28,105	3/4	17,398	3/4	6,689	3/4		3/4		3/4		3/4		3/4	
2	49,328	2	38,605	2	27,881	2	17,175	2	6,466	2		2		2		2		2	
1/4	49,104	1/4	38,381	1/4	27,658	1/4	16,952	1/4	6,242	1/4		1/4		1/4		1/4		1/4	
1/2	48,881	1/2	38,158	1/2	27,434	1/2	16,730	1/2	6,020	1/2		1/2		1/2		1/2		1/2	
3/4	48,658	3/4	37,934	3/4	27,211	3/4	16,507	3/4	5,797	3/4		3/4		3/4		3/4		3/4	
3	48,434	3	37,711	3	26,988	3	16,285	3	5,574	3		3		3		3		3	
1/4	48,211	1/4	37,488	1/4	26,764	1/4	16,062	1/4	5,351	1/4		1/4		1/4		1/4		1/4	
1/2	47,987	1/2	37,264	1/2	26,541	1/2	15,839	1/2	5,129	1/2		1/2		1/2		1/2		1/2	
3/4	47,764	3/4	37,041	3/4	26,317	3/4	15,617	3/4	4,907	3/4		3/4		3/4		3/4		3/4	
4	47,541	4	36,817	4	26,094	4	15,394	4	4,685	4		4		4		4		4	
1/4	47,317	1/4	36,594	1/4	25,871	1/4	15,172	1/4	4,463	1/4		1/4		1/4		1/4		1/4	
1/2	47,094	1/2	36,371	1/2	25,647	1/2	14,949	1/2	4,242	1/2		1/2		1/2		1/2		1/2	
3/4	46,870	3/4	36,147	3/4	25,424	3/4	14,726	3/4	4,022	3/4		3/4		3/4		3/4		3/4	
5	46,647	5	35,924	5	25,200	5	14,504	5	3,801	5		5		5		5		5	
1/4	46,424	1/4	35,700	1/4	24,977	1/4	14,281	1/4	3,580	1/4		1/4		1/4		1/4		1/4	
1/2	46,200	1/2	35,477	1/2	24,754	1/2	14,058	1/2	3,361	1/2		1/2		1/2		1/2		1/2	
3/4	45,977	3/4	35,253	3/4	24,530	3/4	13,835	3/4	3,142	3/4		3/4		3/4		3/4		3/4	
6	45,753	6	35,030	6	24,307	6	13,612	6	2,923	6		6		6		6		6	
1/4	45,530	1/4	34,807	1/4	24,083	1/4	13,390	1/4	2,704	1/4		1/4		1/4		1/4		1/4	
1/2	45,307	1/2	34,583	1/2	23,860	1/2	13,166	1/2	2,500	1/2		1/2		1/2		1/2		1/2	
3/4	45,083	3/4	34,360	3/4	23,637	3/4	12,943	3/4	2,296	3/4		3/4		3/4		3/4		3/4	
7	44,860	7	34,136	7	23,413	7	12,719	7	2,092	7		7		7		7		7	
1/4	44,636	1/4	33,913	1/4	23,190	1/4	12,496	1/4	1,887	1/4		1/4		1/4		1/4		1/4	
1/2	44,413	1/2	33,690	1/2	22,966	1/2	12,273	1/2	1,720	1/2		1/2		1/2		1/2		1/2	
3/4	44,190	3/4	33,466	3/4	22,743	3/4	12,049	3/4	1,552	3/4		3/4		3/4		3/4		3/4	
8	43,966	8	33,243	8	22,520	8	11,826	8	1,385	8		8		8		8		8	
1/4	43,743	1/4	33,019	1/4	22,296	1/4	11,603	1/4	1,217	1/4		1/4		1/4		1/4		1/4	
1/2	43,519	1/2	32,796	1/2	22,073	1/2	11,379	1/2	1,087	1/2		1/2		1/2		1/2		1/2	
3/4	43,296	3/4	32,573	3/4	21,850	3/4	11,156	3/4	957	3/4		3/4		3/4		3/4		3/4	
9	43,073	9	32,349	9	21,627	9	10,933	9	826	9		9		9		9		9	
1/4	42,849	1/4	32,126	1/4	21,404	1/4	10,709	1/4	696	1/4		1/4		1/4		1/4		1/4	
1/2	42,626	1/2	31,902	1/2	21,182	1/2	10,486	1/2	603	1/2		1/2		1/2		1/2		1/2	
3/4	42,402	3/4	31,679	3/4	20,959	3/4	10,262	3/4	510	3/4		3/4		3/4		3/4		3/4	
10	42,179	10	31,456	10	20,737	10	10,039	10	417	10		10		10		10		10	
1/4	41,956	1/4	31,232	1/4	20,514	1/4	9,816	1/4	324	1/4		1/4		1/4		1/4		1/4	
1/2	41,732	1/2	31,009	1/2	20,291	1/2	9,592	1/2	268	1/2		1/2		1/2		1/2		1/2	
3/4	41,509	3/4	30,785	3/4	20,069	3/4	9,369	3/4	212	3/4		3/4		3/4		3/4		3/4	
11	41,285	11	30,562	11	19,846	11	9,146	11	156	11		11		11		11		11	
1/4	41,062	1/4	30,339	1/4	19,624	1/4	8,922	1/4	100	1/4		1/4		1/4		1/4		1/4	
1/2	40,839	1/2	30,115	1/2	19,401	1/2	8,699	1/2	82	1/2		1/2		1/2		1/2		1/2	
3/4	40,615	3/4	29,892	3/4	19,178	3/4	8,475	3/4	63	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CALCULATED: 12/21/2007 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2007

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