



BARGE "CBC 1378"

INNAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 161'-09"

July 17, 2014

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

<http://www.pmacorp.net>



BARGE "CBC 1378"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	8,075	0	18,843	0	29,460	0	40,107	0	50,847	0	61,586	0	72,303	0	83,021	0	93,764
1/4	58	1/4	8,300	1/4	19,067	1/4	29,678	1/4	40,331	1/4	51,070	1/4	61,810	1/4	72,525	1/4	83,245	1/4	93,988
1/2	77	1/2	8,524	1/2	19,291	1/2	29,896	1/2	40,555	1/2	51,294	1/2	62,034	1/2	72,748	1/2	83,469	1/2	94,212
3/4	95	3/4	8,748	3/4	19,516	3/4	30,114	3/4	40,778	3/4	51,518	3/4	62,258	3/4	72,970	3/4	83,693	3/4	94,436
1	114	1	8,973	1	19,740	1	30,332	1	41,002	1	51,742	1	62,481	1	73,192	1	83,916	1	94,659
1/4	170	1/4	9,197	1/4	19,964	1/4	30,550	1/4	41,226	1/4	51,965	1/4	62,705	1/4	73,415	1/4	84,140	1/4	94,883
1/2	226	1/2	9,421	1/2	20,189	1/2	30,768	1/2	41,450	1/2	52,189	1/2	62,929	1/2	73,637	1/2	84,364	1/2	95,107
3/4	282	3/4	9,646	3/4	20,413	3/4	30,986	3/4	41,673	3/4	52,413	3/4	63,153	3/4	73,860	3/4	84,588	3/4	95,331
2	338	2	9,870	2	20,637	2	31,204	2	41,897	2	52,637	2	63,376	2	74,082	2	84,812	2	95,555
1/4	432	1/4	10,094	1/4	20,862	1/4	31,422	1/4	42,121	1/4	52,860	1/4	63,600	1/4	74,304	1/4	85,035	1/4	95,778
1/2	525	1/2	10,319	1/2	21,086	1/2	31,640	1/2	42,344	1/2	53,084	1/2	63,824	1/2	74,527	1/2	85,259	1/2	96,002
3/4	619	3/4	10,543	3/4	21,310	3/4	31,858	3/4	42,568	3/4	53,308	3/4	64,048	3/4	74,749	3/4	85,483	3/4	96,226
3	712	3	10,767	3	21,535	3	32,076	3	42,792	3	53,532	3	64,271	3	74,972	3	85,707	3	96,450
1/4	843	1/4	10,991	1/4	21,759	1/4	32,293	1/4	43,016	1/4	53,755	1/4	64,495	1/4	75,194	1/4	85,931	1/4	96,674
1/2	974	1/2	11,216	1/2	21,983	1/2	32,511	1/2	43,239	1/2	53,979	1/2	64,719	1/2	75,416	1/2	86,155	1/2	96,898
3/4	1,105	3/4	11,440	3/4	22,208	3/4	32,729	3/4	43,463	3/4	54,203	3/4	64,943	3/4	75,639	3/4	86,378	3/4	97,121
4	1,235	4	11,664	4	22,432	4	32,947	4	43,687	4	54,427	4	65,166	4	75,861	4	86,602	4	97,345
1/4	1,404	1/4	11,889	1/4	22,656	1/4	33,171	1/4	43,911	1/4	54,650	1/4	65,390	1/4	76,084	1/4	86,826	1/4	97,569
1/2	1,572	1/2	12,113	1/2	22,881	1/2	33,395	1/2	44,134	1/2	54,874	1/2	65,614	1/2	76,307	1/2	87,050	1/2	97,793
3/4	1,740	3/4	12,337	3/4	23,105	3/4	33,619	3/4	44,358	3/4	55,098	3/4	65,837	3/4	76,530	3/4	87,274	3/4	98,017
5	1,908	5	12,562	5	23,329	5	33,842	5	44,582	5	55,322	5	66,061	5	76,754	5	87,497	5	98,240
1/4	2,113	1/4	12,786	1/4	23,554	1/4	34,066	1/4	44,806	1/4	55,545	1/4	66,285	1/4	76,977	1/4	87,721	1/4	98,464
1/2	2,318	1/2	13,010	1/2	23,778	1/2	34,290	1/2	45,029	1/2	55,769	1/2	66,509	1/2	77,201	1/2	87,945	1/2	98,688
3/4	2,523	3/4	13,235	3/4	24,002	3/4	34,513	3/4	45,253	3/4	55,993	3/4	66,732	3/4	77,425	3/4	88,169	3/4	98,912
6	2,728	6	13,459	6	24,227	6	34,737	6	45,477	6	56,217	6	66,956	6	77,649	6	88,393	6	99,136
1/4	2,948	1/4	13,683	1/4	24,445	1/4	34,961	1/4	45,701	1/4	56,440	1/4	67,179	1/4	77,873	1/4	88,616	1/4	99,359
1/2	3,168	1/2	13,908	1/2	24,663	1/2	35,185	1/2	45,924	1/2	56,664	1/2	67,402	1/2	78,097	1/2	88,840	1/2	99,583
3/4	3,388	3/4	14,132	3/4	24,882	3/4	35,408	3/4	46,148	3/4	56,888	3/4	67,626	3/4	78,320	3/4	89,064	3/4	99,807
7	3,608	7	14,356	7	25,100	7	35,632	7	46,372	7	57,112	7	67,849	7	78,544	7	89,288	7	100,031
1/4	3,830	1/4	14,581	1/4	25,318	1/4	35,856	1/4	46,596	1/4	57,335	1/4	68,072	1/4	78,768	1/4	89,512	1/4	100,255
1/2	4,051	1/2	14,805	1/2	25,537	1/2	36,080	1/2	46,819	1/2	57,559	1/2	68,295	1/2	78,992	1/2	89,736	1/2	100,478
3/4	4,273	3/4	15,029	3/4	25,755	3/4	36,303	3/4	47,043	3/4	57,783	3/4	68,518	3/4	79,216	3/4	89,959	3/4	100,702
8	4,495	8	15,254	8	25,973	8	36,527	8	47,267	8	58,006	8	68,741	8	79,440	8	90,183	8	100,926
1/4	4,718	1/4	15,478	1/4	26,191	1/4	36,751	1/4	47,491	1/4	58,230	1/4	68,965	1/4	79,664	1/4	90,407	1/4	101,150
1/2	4,941	1/2	15,702	1/2	26,409	1/2	36,975	1/2	47,714	1/2	58,454	1/2	69,188	1/2	79,887	1/2	90,631	1/2	101,374
3/4	5,164	3/4	15,927	3/4	26,627	3/4	37,198	3/4	47,938	3/4	58,678	3/4	69,411	3/4	80,111	3/4	90,855	3/4	101,598
9	5,387	9	16,151	9	26,845	9	37,422	9	48,162	9	58,901	9	69,634	9	80,335	9	91,078	9	101,821
1/4	5,611	1/4	16,375	1/4	27,063	1/4	37,646	1/4	48,386	1/4	59,125	1/4	69,856	1/4	80,559	1/4	91,302	1/4	102,045
1/2	5,834	1/2	16,600	1/2	27,281	1/2	37,870	1/2	48,609	1/2	59,349	1/2	70,079	1/2	80,783	1/2	91,526	1/2	102,269
3/4	6,058	3/4	16,824	3/4	27,499	3/4	38,093	3/4	48,833	3/4	59,573	3/4	70,301	3/4	81,007	3/4	91,750	3/4	102,493
10	6,282	10	17,048	10	27,717	10	38,317	10	49,057	10	59,796	10	70,524	10	81,230	10	91,974	10	102,717
1/4	6,506	1/4	17,273	1/4	27,935	1/4	38,541	1/4	49,281	1/4	60,020	1/4	70,746	1/4	81,454	1/4	92,197	1/4	102,940
1/2	6,730	1/2	17,497	1/2	28,153	1/2	38,765	1/2	49,504	1/2	60,244	1/2	70,968	1/2	81,678	1/2	92,421	1/2	103,164
3/4	6,954	3/4	17,721	3/4	28,371	3/4	38,988	3/4	49,728	3/4	60,468	3/4	71,191	3/4	81,902	3/4	92,645	3/4	103,388
11	7,178	11	17,946	11	28,588	11	39,212	11	49,952	11	60,691	11	71,413	11	82,126	11	92,869	11	103,612
1/4	7,402	1/4	18,170	1/4	28,806	1/4	39,436	1/4	50,175	1/4	60,915	1/4	71,636	1/4	82,350	1/4	93,093	1/4	103,836
1/2	7,627	1/2	18,394	1/2	29,024	1/2	39,660	1/2	50,399	1/2	61,139	1/2	71,858	1/2	82,573	1/2	93,317	1/2	104,059
3/4	7,851	3/4	18,618	3/4	29,242	3/4	39,883	3/4	50,623	3/4	61,363	3/4	72,080	3/4	82,797	3/4	93,540	3/4	104,283

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 26'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1378"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	104,711	0	114,812	0	124,271	0	133,689	0	143,090	0		0		0		0		0	
1/4	104,935	1/4	115,009	1/4	124,468	1/4	133,885	1/4	143,285	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,159	1/2	115,206	1/2	124,664	1/2	134,082	1/2	143,479	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,383	3/4	115,403	3/4	124,861	3/4	134,279	3/4	143,673	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	105,607	1	115,600	1	125,058	1	134,475	1	143,868	1	1	1	1	1	1	1	1	1	1
1/4	105,831	1/4	115,797	1/4	125,254	1/4	134,672	1/4	144,062	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,055	1/2	115,994	1/2	125,451	1/2	134,868	1/2	144,257	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,279	3/4	116,191	3/4	125,647	3/4	135,065	3/4	144,451	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	106,503	2	116,388	2	125,844	2	135,261	2	144,646	2	2	2	2	2	2	2	2	2	2
1/4	106,727	1/4	116,585	1/4	126,040	1/4	135,458	1/4	144,849	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,951	1/2	116,783	1/2	126,237	1/2	135,654	1/2	145,053	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,175	3/4	116,980	3/4	126,433	3/4	135,851	3/4	145,256	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	107,399	3	117,177	3	126,630	3	136,047	3	145,459	3	3	3	3	3	3	3	3	3	3
1/4	107,623	1/4	117,374	1/4	126,826	1/4	136,244	1/4	145,625	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	107,847	1/2	117,571	1/2	127,023	1/2	136,441	1/2	145,791	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,071	3/4	117,768	3/4	127,220	3/4	136,637	3/4	145,957	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	108,295	4	117,965	4	127,416	4	136,834	4	146,123	4	4	4	4	4	4	4	4	4	4
1/4	108,519	1/4	118,162	1/4	127,613	1/4	137,030	1/4	146,252	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	108,743	1/2	118,359	1/2	127,809	1/2	137,227	1/2	146,380	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,967	3/4	118,556	3/4	128,006	3/4	137,423	3/4	146,508	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	109,191	5	118,753	5	128,202	5	137,620	5	146,637	5	5	5	5	5	5	5	5	5	5
1/4	109,415	1/4	118,950	1/4	128,399	1/4	137,816	1/4	146,728	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,639	1/2	119,147	1/2	128,595	1/2	138,013	1/2	146,819	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,863	3/4	119,345	3/4	128,792	3/4	138,209	3/4	146,910	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	110,087	6	119,542	6	128,989	6	138,406	6	147,001	6	6	6	6	6	6	6	6	6	6
1/4	110,284	1/4	119,739	1/4	129,184	1/4	138,603	1/4	147,054	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,481	1/2	119,936	1/2	129,380	1/2	138,799	1/2	147,108	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,678	3/4	120,133	3/4	129,576	3/4	138,996	3/4	147,161	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	110,875	7	120,330	7	129,772	7	139,192	7	147,215	7	7	7	7	7	7	7	7	7	7
1/4	111,072	1/4	120,527	1/4	129,968	1/4	139,389	1/4	147,231	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,268	1/2	120,724	1/2	130,164	1/2	139,585	1/2	147,247	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,465	3/4	120,921	3/4	130,359	3/4	139,782	3/4	147,263	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	111,662	8	121,118	8	130,555	8	139,978	8	147,279	8	8	8	8	8	8	8	8	8	8
1/4	111,859	1/4	121,315	1/4	130,751	1/4	140,173	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,056	1/2	121,512	1/2	130,947	1/2	140,367	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,253	3/4	121,709	3/4	131,143	3/4	140,562	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	112,450	9	121,906	9	131,339	9	140,756	9		9	9	9	9	9	9	9	9	9	9
1/4	112,646	1/4	122,104	1/4	131,535	1/4	140,951	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,843	1/2	122,301	1/2	131,730	1/2	141,145	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,040	3/4	122,498	3/4	131,926	3/4	141,340	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	113,237	10	122,695	10	132,122	10	141,534	10		10	10	10	10	10	10	10	10	10	10
1/4	113,434	1/4	122,892	1/4	132,318	1/4	141,729	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,631	1/2	123,089	1/2	132,514	1/2	141,923	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,828	3/4	123,286	3/4	132,710	3/4	142,118	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	114,024	11	123,483	11	132,905	11	142,312	11		11	11	11	11	11	11	11	11	11	11
1/4	114,221	1/4	123,680	1/4	133,101	1/4	142,507	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,418	1/2	123,877	1/2	133,297	1/2	142,701	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,615	3/4	124,074	3/4	133,493	3/4	142,896	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: 07/17/2014 CL
CALCULATED: 07/17/2014 CL
PRINTED: 07/17/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

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



BARGE "CBC 1378"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	9,049	0	21,122	0	33,047	0	44,973	0	57,045	0	69,118	0	81,190	0	93,263	0	105,334
1/4	60	1/4	9,301	1/4	21,373	1/4	33,291	1/4	45,224	1/4	57,297	1/4	69,369	1/4	81,442	1/4	93,515	1/4	105,585
1/2	81	1/2	9,552	1/2	21,625	1/2	33,535	1/2	45,476	1/2	57,548	1/2	69,621	1/2	81,694	1/2	93,766	1/2	105,837
3/4	102	3/4	9,804	3/4	21,876	3/4	33,779	3/4	45,727	3/4	57,800	3/4	69,872	3/4	81,945	3/4	94,017	3/4	106,088
1	123	1	10,055	1	22,128	1	34,023	1	45,979	1	58,051	1	70,124	1	82,197	1	94,269	1	106,339
1/4	186	1/4	10,307	1/4	22,379	1/4	34,267	1/4	46,230	1/4	58,303	1/4	70,375	1/4	82,448	1/4	94,520	1/4	106,591
1/2	249	1/2	10,558	1/2	22,631	1/2	34,512	1/2	46,482	1/2	58,554	1/2	70,627	1/2	82,700	1/2	94,772	1/2	106,842
3/4	312	3/4	10,810	3/4	22,882	3/4	34,756	3/4	46,733	3/4	58,806	3/4	70,878	3/4	82,951	3/4	95,023	3/4	107,094
2	375	2	11,061	2	23,134	2	35,000	2	46,985	2	59,057	2	71,130	2	83,203	2	95,275	2	107,345
1/4	479	1/4	11,313	1/4	23,385	1/4	35,244	1/4	47,236	1/4	59,309	1/4	71,382	1/4	83,454	1/4	95,526	1/4	107,597
1/2	584	1/2	11,564	1/2	23,637	1/2	35,488	1/2	47,488	1/2	59,560	1/2	71,633	1/2	83,706	1/2	95,778	1/2	107,848
3/4	689	3/4	11,816	3/4	23,888	3/4	35,732	3/4	47,739	3/4	59,812	3/4	71,885	3/4	83,957	3/4	96,029	3/4	108,100
3	794	3	12,067	3	24,140	3	35,976	3	47,991	3	60,063	3	72,136	3	84,209	3	96,281	3	108,351
1/4	940	1/4	12,319	1/4	24,391	1/4	36,220	1/4	48,242	1/4	60,315	1/4	72,388	1/4	84,460	1/4	96,532	1/4	108,603
1/2	1,087	1/2	12,570	1/2	24,643	1/2	36,464	1/2	48,494	1/2	60,566	1/2	72,639	1/2	84,712	1/2	96,784	1/2	108,854
3/4	1,234	3/4	12,822	3/4	24,894	3/4	36,708	3/4	48,745	3/4	60,818	3/4	72,891	3/4	84,963	3/4	97,035	3/4	109,106
4	1,381	4	13,073	4	25,146	4	36,953	4	48,997	4	61,070	4	73,142	4	85,215	4	97,287	4	109,357
1/4	1,569	1/4	13,325	1/4	25,397	1/4	37,197	1/4	49,248	1/4	61,321	1/4	73,394	1/4	85,466	1/4	97,538	1/4	109,609
1/2	1,758	1/2	13,576	1/2	25,649	1/2	37,441	1/2	49,500	1/2	61,573	1/2	73,645	1/2	85,718	1/2	97,790	1/2	109,860
3/4	1,946	3/4	13,828	3/4	25,900	3/4	37,686	3/4	49,751	3/4	61,824	3/4	73,897	3/4	85,969	3/4	98,041	3/4	110,111
5	2,135	5	14,079	5	26,152	5	37,930	5	50,003	5	62,076	5	74,148	5	86,221	5	98,292	5	110,363
1/4	2,365	1/4	14,331	1/4	26,403	1/4	38,182	1/4	50,254	1/4	62,327	1/4	74,400	1/4	86,472	1/4	98,544	1/4	110,614
1/2	2,595	1/2	14,582	1/2	26,655	1/2	38,433	1/2	50,506	1/2	62,579	1/2	74,651	1/2	86,724	1/2	98,795	1/2	110,866
3/4	2,825	3/4	14,834	3/4	26,906	3/4	38,685	3/4	50,757	3/4	62,830	3/4	74,903	3/4	86,975	3/4	99,047	3/4	111,117
6	3,055	6	15,085	6	27,158	6	38,936	6	51,009	6	63,082	6	75,154	6	87,227	6	99,298	6	111,369
1/4	3,301	1/4	15,337	1/4	27,409	1/4	39,188	1/4	51,261	1/4	63,333	1/4	75,406	1/4	87,478	1/4	99,550	1/4	111,620
1/2	3,548	1/2	15,588	1/2	27,661	1/2	39,439	1/2	51,512	1/2	63,585	1/2	75,657	1/2	87,730	1/2	99,801	1/2	111,872
3/4	3,794	3/4	15,840	3/4	27,912	3/4	39,691	3/4	51,764	3/4	63,836	3/4	75,909	3/4	87,981	3/4	100,053	3/4	112,123
7	4,041	7	16,091	7	28,164	7	39,942	7	52,015	7	64,088	7	76,160	7	88,233	7	100,304	7	112,375
1/4	4,289	1/4	16,343	1/4	28,408	1/4	40,194	1/4	52,267	1/4	64,339	1/4	76,412	1/4	88,484	1/4	100,556	1/4	112,626
1/2	4,538	1/2	16,594	1/2	28,653	1/2	40,445	1/2	52,518	1/2	64,591	1/2	76,663	1/2	88,736	1/2	100,807	1/2	112,878
3/4	4,787	3/4	16,846	3/4	28,897	3/4	40,697	3/4	52,770	3/4	64,842	3/4	76,915	3/4	88,987	3/4	101,059	3/4	113,129
8	5,035	8	17,097	8	29,141	8	40,949	8	53,021	8	65,094	8	77,166	8	89,239	8	101,310	8	113,381
1/4	5,285	1/4	17,349	1/4	29,386	1/4	41,200	1/4	53,273	1/4	65,345	1/4	77,418	1/4	89,490	1/4	101,562	1/4	113,632
1/2	5,535	1/2	17,601	1/2	29,630	1/2	41,452	1/2	53,524	1/2	65,597	1/2	77,669	1/2	89,742	1/2	101,813	1/2	113,884
3/4	5,785	3/4	17,852	3/4	29,874	3/4	41,703	3/4	53,776	3/4	65,848	3/4	77,921	3/4	89,993	3/4	102,064	3/4	114,135
9	6,035	9	18,104	9	30,118	9	41,955	9	54,027	9	66,100	9	78,172	9	90,245	9	102,316	9	114,386
1/4	6,286	1/4	18,355	1/4	30,362	1/4	42,206	1/4	54,279	1/4	66,351	1/4	78,424	1/4	90,496	1/4	102,567	1/4	114,638
1/2	6,537	1/2	18,607	1/2	30,606	1/2	42,458	1/2	54,530	1/2	66,603	1/2	78,675	1/2	90,748	1/2	102,819	1/2	114,889
3/4	6,788	3/4	18,858	3/4	30,850	3/4	42,709	3/4	54,782	3/4	66,854	3/4	78,927	3/4	90,999	3/4	103,070	3/4	115,141
10	7,038	10	19,110	10	31,094	10	42,961	10	55,033	10	67,106	10	79,178	10	91,251	10	103,322	10	115,392
1/4	7,290	1/4	19,361	1/4	31,338	1/4	43,212	1/4	55,285	1/4	67,357	1/4	79,430	1/4	91,502	1/4	103,573	1/4	115,644
1/2	7,541	1/2	19,613	1/2	31,582	1/2	43,464	1/2	55,536	1/2	67,609	1/2	79,681	1/2	91,754	1/2	103,825	1/2	115,895
3/4	7,792	3/4	19,864	3/4	31,827	3/4	43,715	3/4	55,788	3/4	67,860	3/4	79,933	3/4	92,006	3/4	104,076	3/4	116,147
11	8,043	11	20,116	11	32,071	11	43,967	11	56,039	11	68,112	11	80,184	11	92,257	11	104,328	11	116,398
1/4	8,295	1/4	20,367	1/4	32,315	1/4	44,218	1/4	56,291	1/4	68,363	1/4	80,436	1/4	92,509	1/4	104,579	1/4	116,650
1/2	8,546	1/2	20,619	1/2	32,559	1/2	44,470	1/2	56,542	1/2	68,615	1/2	80,687	1/2	92,760	1/2	104,831	1/2	116,901
3/4	8,798	3/4	20,870	3/4	32,803	3/4	44,721	3/4	56,794	3/4	68,866	3/4	80,939	3/4	93,012	3/4	105,082	3/4	117,153

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 30'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "CBC 1378"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	117,404	0	129,475	0	141,545	0	153,549	0	165,515	0		0		0		0		0	
1/4	117,656	1/4	129,726	1/4	141,795	1/4	153,799	1/4	165,763	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	117,907	1/2	129,978	1/2	142,045	1/2	154,049	1/2	166,010	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	118,159	3/4	130,229	3/4	142,295	3/4	154,299	3/4	166,258	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	118,410	1	130,480	1	142,545	1	154,549	1	166,506	1	1	1	1	1	1	1	1	1	1
1/4	118,661	1/4	130,732	1/4	142,795	1/4	154,799	1/4	166,754	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,913	1/2	130,983	1/2	143,046	1/2	155,049	1/2	167,002	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,164	3/4	131,235	3/4	143,296	3/4	155,299	3/4	167,249	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	119,416	2	131,486	2	143,546	2	155,549	2	167,497	2	2	2	2	2	2	2	2	2	2
1/4	119,667	1/4	131,738	1/4	143,796	1/4	155,799	1/4	167,724	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,919	1/2	131,989	1/2	144,046	1/2	156,049	1/2	167,951	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	120,170	3/4	132,241	3/4	144,296	3/4	156,299	3/4	168,177	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	120,422	3	132,492	3	144,546	3	156,549	3	168,404	3	3	3	3	3	3	3	3	3	3
1/4	120,673	1/4	132,744	1/4	144,796	1/4	156,799	1/4	168,589	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	120,925	1/2	132,995	1/2	145,046	1/2	157,050	1/2	168,774	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	121,176	3/4	133,247	3/4	145,296	3/4	157,300	3/4	168,959	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	121,428	4	133,498	4	145,546	4	157,550	4	169,144	4	4	4	4	4	4	4	4	4	4
1/4	121,679	1/4	133,750	1/4	145,796	1/4	157,800	1/4	169,287	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	121,931	1/2	134,001	1/2	146,046	1/2	158,050	1/2	169,430	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	122,182	3/4	134,253	3/4	146,296	3/4	158,300	3/4	169,573	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	122,433	5	134,504	5	146,547	5	158,550	5	169,716	5	5	5	5	5	5	5	5	5	5
1/4	122,685	1/4	134,755	1/4	146,797	1/4	158,800	1/4	169,817	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	122,936	1/2	135,007	1/2	147,047	1/2	159,050	1/2	169,918	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	123,188	3/4	135,258	3/4	147,297	3/4	159,300	3/4	170,019	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	123,439	6	135,510	6	147,547	6	159,550	6	170,120	6	6	6	6	6	6	6	6	6	6
1/4	123,691	1/4	135,761	1/4	147,797	1/4	159,800	1/4	170,179	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	123,942	1/2	136,013	1/2	148,047	1/2	160,050	1/2	170,238	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	124,194	3/4	136,264	3/4	148,297	3/4	160,300	3/4	170,297	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	124,445	7	136,516	7	148,547	7	160,551	7	170,356	7	7	7	7	7	7	7	7	7	7
1/4	124,697	1/4	136,767	1/4	148,797	1/4	160,801	1/4	170,374	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	124,948	1/2	137,019	1/2	149,047	1/2	161,051	1/2	170,391	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	125,200	3/4	137,270	3/4	149,297	3/4	161,301	3/4	170,408	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	125,451	8	137,522	8	149,547	8	161,551	8	170,425	8	8	8	8	8	8	8	8	8	8
1/4	125,703	1/4	137,773	1/4	149,797	1/4	161,799	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	125,954	1/2	138,025	1/2	150,048	1/2	162,046	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	126,206	3/4	138,276	3/4	150,298	3/4	162,294	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	126,457	9	138,527	9	150,548	9	162,542	9		9	9	9	9	9	9	9	9	9	9
1/4	126,708	1/4	138,779	1/4	150,798	1/4	162,790	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	126,960	1/2	139,030	1/2	151,048	1/2	163,037	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	127,211	3/4	139,282	3/4	151,298	3/4	163,285	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	127,463	10	139,533	10	151,548	10	163,533	10		10	10	10	10	10	10	10	10	10	10
1/4	127,714	1/4	139,785	1/4	151,798	1/4	163,781	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	127,966	1/2	140,036	1/2	152,048	1/2	164,028	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	128,217	3/4	140,288	3/4	152,298	3/4	164,276	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	128,469	11	140,539	11	152,548	11	164,524	11		11	11	11	11	11	11	11	11	11	11
1/4	128,720	1/4	140,791	1/4	152,798	1/4	164,772	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	128,972	1/2	141,042	1/2	153,048	1/2	165,019	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	129,223	3/4	141,294	3/4	153,298	3/4	165,267	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: 07/17/2014 CL
CALCULATED: 07/17/2014 CL
PRINTED: 07/17/2014 SW

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ALL PRIOR TO 07/2014

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BARGE "CBC 1378"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 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	39	0	8,037	0	18,752	0	29,453	0	40,157	0	50,872	0	61,588	0	72,303	0	83,019	0	93,733
1/4	58	1/4	8,260	1/4	18,975	1/4	29,675	1/4	40,380	1/4	51,096	1/4	61,811	1/4	72,527	1/4	83,242	1/4	93,956
1/2	76	1/2	8,483	1/2	19,198	1/2	29,898	1/2	40,603	1/2	51,319	1/2	62,034	1/2	72,750	1/2	83,465	1/2	94,179
3/4	95	3/4	8,706	3/4	19,421	3/4	30,120	3/4	40,826	3/4	51,542	3/4	62,258	3/4	72,973	3/4	83,689	3/4	94,402
1	114	1	8,930	1	19,645	1	30,343	1	41,050	1	51,765	1	62,481	1	73,196	1	83,912	1	94,626
1/4	169	1/4	9,153	1/4	19,868	1/4	30,565	1/4	41,273	1/4	51,989	1/4	62,704	1/4	73,420	1/4	84,135	1/4	94,849
1/2	225	1/2	9,376	1/2	20,091	1/2	30,788	1/2	41,496	1/2	52,212	1/2	62,927	1/2	73,643	1/2	84,358	1/2	95,072
3/4	281	3/4	9,599	3/4	20,314	3/4	31,010	3/4	41,719	3/4	52,435	3/4	63,151	3/4	73,866	3/4	84,581	3/4	95,295
2	337	2	9,822	2	20,538	2	31,233	2	41,943	2	52,658	2	63,374	2	74,089	2	84,805	2	95,518
1/4	430	1/4	10,046	1/4	20,761	1/4	31,455	1/4	42,166	1/4	52,882	1/4	63,597	1/4	74,313	1/4	85,028	1/4	95,742
1/2	523	1/2	10,269	1/2	20,984	1/2	31,678	1/2	42,389	1/2	53,105	1/2	63,820	1/2	74,536	1/2	85,251	1/2	95,965
3/4	616	3/4	10,492	3/4	21,207	3/4	31,900	3/4	42,612	3/4	53,328	3/4	64,044	3/4	74,759	3/4	85,474	3/4	96,188
3	709	3	10,715	3	21,430	3	32,123	3	42,836	3	53,551	3	64,267	3	74,982	3	85,697	3	96,411
1/4	839	1/4	10,939	1/4	21,654	1/4	32,345	1/4	43,059	1/4	53,774	1/4	64,490	1/4	75,206	1/4	85,921	1/4	96,634
1/2	969	1/2	11,162	1/2	21,877	1/2	32,568	1/2	43,282	1/2	53,998	1/2	64,713	1/2	75,429	1/2	86,144	1/2	96,858
3/4	1,100	3/4	11,385	3/4	22,100	3/4	32,791	3/4	43,505	3/4	54,221	3/4	64,937	3/4	75,652	3/4	86,367	3/4	97,081
4	1,230	4	11,608	4	22,323	4	33,013	4	43,729	4	54,444	4	65,160	4	75,875	4	86,590	4	97,304
1/4	1,397	1/4	11,832	1/4	22,547	1/4	33,236	1/4	43,952	1/4	54,667	1/4	65,383	1/4	76,099	1/4	86,813	1/4	97,527
1/2	1,565	1/2	12,055	1/2	22,770	1/2	33,460	1/2	44,175	1/2	54,891	1/2	65,606	1/2	76,322	1/2	87,037	1/2	97,750
3/4	1,732	3/4	12,278	3/4	22,993	3/4	33,683	3/4	44,398	3/4	55,114	3/4	65,829	3/4	76,545	3/4	87,260	3/4	97,974
5	1,899	5	12,501	5	23,216	5	33,906	5	44,622	5	55,337	5	66,053	5	76,768	5	87,483	5	98,197
1/4	2,103	1/4	12,724	1/4	23,440	1/4	34,129	1/4	44,845	1/4	55,560	1/4	66,276	1/4	76,992	1/4	87,706	1/4	98,420
1/2	2,308	1/2	12,948	1/2	23,663	1/2	34,353	1/2	45,068	1/2	55,784	1/2	66,499	1/2	77,215	1/2	87,930	1/2	98,643
3/4	2,512	3/4	13,171	3/4	23,886	3/4	34,576	3/4	45,291	3/4	56,007	3/4	66,722	3/4	77,438	3/4	88,153	3/4	98,866
6	2,716	6	13,394	6	24,109	6	34,799	6	45,515	6	56,230	6	66,946	6	77,661	6	88,376	6	99,090
1/4	2,934	1/4	13,617	1/4	24,332	1/4	35,022	1/4	45,738	1/4	56,453	1/4	67,169	1/4	77,884	1/4	88,599	1/4	99,313
1/2	3,153	1/2	13,841	1/2	24,555	1/2	35,245	1/2	45,961	1/2	56,677	1/2	67,392	1/2	78,108	1/2	88,822	1/2	99,536
3/4	3,372	3/4	14,064	3/4	24,778	3/4	35,469	3/4	46,184	3/4	56,900	3/4	67,615	3/4	78,331	3/4	89,046	3/4	99,759
7	3,591	7	14,287	7	25,001	7	35,692	7	46,408	7	57,123	7	67,839	7	78,554	7	89,269	7	99,982
1/4	3,812	1/4	14,510	1/4	25,224	1/4	35,915	1/4	46,631	1/4	57,346	1/4	68,062	1/4	78,777	1/4	89,492	1/4	100,206
1/2	4,032	1/2	14,734	1/2	25,447	1/2	36,138	1/2	46,854	1/2	57,570	1/2	68,285	1/2	79,001	1/2	89,715	1/2	100,429
3/4	4,253	3/4	14,957	3/4	25,669	3/4	36,362	3/4	47,077	3/4	57,793	3/4	68,508	3/4	79,224	3/4	89,938	3/4	100,652
8	4,474	8	15,180	8	25,892	8	36,585	8	47,300	8	58,016	8	68,732	8	79,447	8	90,162	8	100,875
1/4	4,696	1/4	15,403	1/4	26,115	1/4	36,808	1/4	47,524	1/4	58,239	1/4	68,955	1/4	79,670	1/4	90,385	1/4	101,099
1/2	4,917	1/2	15,626	1/2	26,337	1/2	37,031	1/2	47,747	1/2	58,463	1/2	69,178	1/2	79,894	1/2	90,608	1/2	101,322
3/4	5,139	3/4	15,850	3/4	26,560	3/4	37,255	3/4	47,970	3/4	58,686	3/4	69,401	3/4	80,117	3/4	90,831	3/4	101,545
9	5,361	9	16,073	9	26,782	9	37,478	9	48,193	9	58,909	9	69,625	9	80,340	9	91,054	9	101,768
1/4	5,584	1/4	16,296	1/4	27,005	1/4	37,701	1/4	48,417	1/4	59,132	1/4	69,848	1/4	80,563	1/4	91,278	1/4	101,991
1/2	5,806	1/2	16,519	1/2	27,227	1/2	37,924	1/2	48,640	1/2	59,355	1/2	70,071	1/2	80,787	1/2	91,501	1/2	102,215
3/4	6,029	3/4	16,743	3/4	27,450	3/4	38,148	3/4	48,863	3/4	59,579	3/4	70,294	3/4	81,010	3/4	91,724	3/4	102,438
10	6,252	10	16,966	10	27,672	10	38,371	10	49,086	10	59,802	10	70,518	10	81,233	10	91,947	10	102,661
1/4	6,475	1/4	17,189	1/4	27,895	1/4	38,594	1/4	49,310	1/4	60,025	1/4	70,741	1/4	81,456	1/4	92,170	1/4	102,884
1/2	6,698	1/2	17,412	1/2	28,118	1/2	38,817	1/2	49,533	1/2	60,248	1/2	70,964	1/2	81,680	1/2	92,394	1/2	103,107
3/4	6,921	3/4	17,636	3/4	28,340	3/4	39,041	3/4	49,756	3/4	60,472	3/4	71,187	3/4	81,903	3/4	92,617	3/4	103,331
11	7,144	11	17,859	11	28,563	11	39,264	11	49,979	11	60,695	11	71,411	11	82,126	11	92,840	11	103,554
1/4	7,367	1/4	18,082	1/4	28,785	1/4	39,487	1/4	50,203	1/4	60,918	1/4	71,634	1/4	82,349	1/4	93,063	1/4	103,777
1/2	7,590	1/2	18,305	1/2	29,008	1/2	39,710	1/2	50,426	1/2	61,141	1/2	71,857	1/2	82,573	1/2	93,286	1/2	104,000
3/4	7,813	3/4	18,528	3/4	29,230	3/4	39,934	3/4	50,649	3/4	61,365	3/4	72,080	3/4	82,796	3/4	93,510	3/4	104,223

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1378"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 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	104,447	0	115,160	0	125,874	0	136,529	0	147,151	0		0		0		0		0	
1/4	104,670	1/4	115,384	1/4	126,096	1/4	136,751	1/4	147,371	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	104,893	1/2	115,607	1/2	126,318	1/2	136,973	1/2	147,591	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,116	3/4	115,830	3/4	126,540	3/4	137,195	3/4	147,811	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	105,339	1	116,053	1	126,762	1	137,417	1	148,031	1	1	1	1	1	1	1	1	1	1
1/4	105,563	1/4	116,276	1/4	126,984	1/4	137,639	1/4	148,251	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,786	1/2	116,500	1/2	127,206	1/2	137,861	1/2	148,471	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,009	3/4	116,723	3/4	127,428	3/4	138,083	3/4	148,691	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	106,232	2	116,946	2	127,650	2	138,305	2	148,911	2	2	2	2	2	2	2	2	2	2
1/4	106,455	1/4	117,169	1/4	127,872	1/4	138,527	1/4	149,112	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,679	1/2	117,392	1/2	128,094	1/2	138,749	1/2	149,313	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,902	3/4	117,616	3/4	128,316	3/4	138,971	3/4	149,515	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	107,125	3	117,839	3	128,538	3	139,193	3	149,716	3	3	3	3	3	3	3	3	3	3
1/4	107,348	1/4	118,062	1/4	128,760	1/4	139,415	1/4	149,880	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	107,571	1/2	118,285	1/2	128,982	1/2	139,637	1/2	150,044	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,795	3/4	118,508	3/4	129,204	3/4	139,859	3/4	150,208	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	108,018	4	118,732	4	129,426	4	140,081	4	150,372	4	4	4	4	4	4	4	4	4	4
1/4	108,241	1/4	118,955	1/4	129,648	1/4	140,303	1/4	150,499	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	108,464	1/2	119,178	1/2	129,870	1/2	140,525	1/2	150,626	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,687	3/4	119,401	3/4	130,092	3/4	140,747	3/4	150,753	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	108,911	5	119,624	5	130,314	5	140,969	5	150,880	5	5	5	5	5	5	5	5	5	5
1/4	109,134	1/4	119,848	1/4	130,536	1/4	141,191	1/4	150,970	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,357	1/2	120,071	1/2	130,758	1/2	141,413	1/2	151,060	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,580	3/4	120,294	3/4	130,980	3/4	141,635	3/4	151,149	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	109,803	6	120,517	6	131,202	6	141,857	6	151,239	6	6	6	6	6	6	6	6	6	6
1/4	110,027	1/4	120,740	1/4	131,424	1/4	142,079	1/4	151,291	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,250	1/2	120,964	1/2	131,646	1/2	142,301	1/2	151,344	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,473	3/4	121,187	3/4	131,868	3/4	142,523	3/4	151,396	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	110,696	7	121,410	7	132,089	7	142,745	7	151,449	7	7	7	7	7	7	7	7	7	7
1/4	110,919	1/4	121,633	1/4	132,311	1/4	142,966	1/4	151,464	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,143	1/2	121,856	1/2	132,533	1/2	143,188	1/2	151,479	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,366	3/4	122,080	3/4	132,755	3/4	143,410	3/4	151,495	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	111,589	8	122,303	8	132,977	8	143,632	8	151,510	8	8	8	8	8	8	8	8	8	8
1/4	111,812	1/4	122,526	1/4	133,199	1/4	143,852	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,035	1/2	122,749	1/2	133,421	1/2	144,072	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,259	3/4	122,972	3/4	133,643	3/4	144,292	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	112,482	9	123,196	9	133,865	9	144,512	9		9	9	9	9	9	9	9	9	9	9
1/4	112,705	1/4	123,419	1/4	134,087	1/4	144,732	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,928	1/2	123,642	1/2	134,309	1/2	144,952	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,151	3/4	123,865	3/4	134,531	3/4	145,172	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	113,375	10	124,088	10	134,753	10	145,392	10	10	10	10	10	10	10	10	10	10	10	10
1/4	113,598	1/4	124,312	1/4	134,975	1/4	145,612	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,821	1/2	124,535	1/2	135,197	1/2	145,832	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,044	3/4	124,758	3/4	135,419	3/4	146,052	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	114,268	11	124,981	11	135,641	11	146,272	11		11	11	11	11	11	11	11	11	11	11
1/4	114,491	1/4	125,204	1/4	135,863	1/4	146,491	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,714	1/2	125,428	1/2	136,085	1/2	146,711	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,937	3/4	125,651	3/4	136,307	3/4	146,931	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: 07/17/2014 CL
CALCULATED: 07/17/2014 CL
PRINTED: 07/17/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 1378"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 161'-09"

July 17, 2014

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

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BARGE "CBC 1378"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	141,145	0	131,730	0	122,300	0	112,843	0	102,469	0	91,705	0	80,940	
1/4	1/4	1/4	1/4	1/4	1/4	140,951	1/4	131,534	1/4	122,103	1/4	112,646	1/4	102,244	1/4	91,480	1/4	80,716	
1/2	1/2	1/2	1/2	1/2	1/2	140,756	1/2	131,338	1/2	121,906	1/2	112,449	1/2	102,020	1/2	91,256	1/2	80,492	
3/4	3/4	3/4	3/4	3/4	3/4	140,562	3/4	131,143	3/4	121,709	3/4	112,252	3/4	101,796	3/4	91,032	3/4	80,267	
1	1	1	1	1	1	140,367	1	130,947	1	121,512	1	112,056	1	101,572	1	90,808	1	80,043	
1/4	1/4	1/4	1/4	1/4	1/4	140,173	1/4	130,751	1/4	121,315	1/4	111,859	1/4	101,347	1/4	90,583	1/4	79,819	
1/2	1/2	1/2	1/2	1/2	1/2	147,279	1/2	130,555	1/2	121,118	1/2	111,662	1/2	101,123	1/2	90,359	1/2	79,595	
3/4	3/4	3/4	3/4	3/4	3/4	147,263	3/4	130,359	3/4	120,921	3/4	111,465	3/4	100,899	3/4	90,135	3/4	79,370	
2	2	2	2	2	2	147,247	2	130,163	2	120,724	2	111,268	2	100,675	2	89,911	2	79,146	
1/4	1/4	1/4	1/4	1/4	1/4	147,231	1/4	129,968	1/4	120,527	1/4	111,071	1/4	100,450	1/4	89,686	1/4	78,922	
1/2	1/2	1/2	1/2	1/2	1/2	147,215	1/2	129,772	1/2	120,330	1/2	110,874	1/2	100,226	1/2	89,462	1/2	78,697	
3/4	3/4	3/4	3/4	3/4	3/4	147,161	3/4	129,576	3/4	120,133	3/4	110,678	3/4	100,002	3/4	89,238	3/4	78,473	
3	3	3	3	3	3	147,108	3	129,380	3	119,935	3	110,481	3	99,778	3	89,014	3	78,249	
1/4	1/4	1/4	1/4	1/4	1/4	147,054	1/4	129,184	1/4	119,738	1/4	110,284	1/4	99,553	1/4	88,789	1/4	78,025	
1/2	1/2	1/2	1/2	1/2	1/2	147,001	1/2	128,988	1/2	119,541	1/2	110,087	1/2	99,329	1/2	88,565	1/2	77,800	
3/4	3/4	3/4	3/4	3/4	3/4	146,910	3/4	128,792	3/4	119,344	3/4	109,863	3/4	99,105	3/4	88,341	3/4	77,576	
4	4	4	4	4	4	146,819	4	128,595	4	119,147	4	109,639	4	98,881	4	88,117	4	77,352	
1/4	1/4	1/4	1/4	1/4	1/4	146,728	1/4	128,399	1/4	118,950	1/4	109,415	1/4	98,656	1/4	87,892	1/4	77,128	
1/2	1/2	1/2	1/2	1/2	1/2	146,637	1/2	128,202	1/2	118,753	1/2	109,191	1/2	98,432	1/2	87,668	1/2	76,903	
3/4	3/4	3/4	3/4	3/4	3/4	146,508	3/4	128,006	3/4	118,556	3/4	108,967	3/4	98,208	3/4	87,444	3/4	76,680	
5	5	5	5	5	5	146,380	5	127,809	5	118,359	5	108,743	5	97,984	5	87,220	5	76,456	
1/4	1/4	1/4	1/4	1/4	1/4	146,251	1/4	127,612	1/4	118,162	1/4	108,519	1/4	97,759	1/4	86,995	1/4	76,233	
1/2	1/2	1/2	1/2	1/2	1/2	146,123	1/2	127,416	1/2	117,965	1/2	108,295	1/2	97,535	1/2	86,771	1/2	76,009	
3/4	3/4	3/4	3/4	3/4	3/4	145,957	3/4	127,219	3/4	117,768	3/4	108,071	3/4	97,311	3/4	86,547	3/4	75,786	
6	6	6	6	6	6	145,791	6	127,023	6	117,571	6	107,847	6	97,087	6	86,323	6	75,563	
1/4	1/4	1/4	1/4	1/4	1/4	145,625	1/4	126,826	1/4	117,374	1/4	107,623	1/4	96,862	1/4	86,098	1/4	75,341	
1/2	1/2	1/2	1/2	1/2	1/2	145,459	1/2	126,630	1/2	117,176	1/2	107,399	1/2	96,638	1/2	85,874	1/2	75,118	
3/4	3/4	3/4	3/4	3/4	3/4	145,256	3/4	126,433	3/4	116,979	3/4	107,175	3/4	96,414	3/4	85,650	3/4	74,895	
7	7	7	7	7	7	145,052	7	126,237	7	116,782	7	106,951	7	96,190	7	85,426	7	74,672	
1/4	1/4	1/4	1/4	1/4	1/4	144,849	1/4	126,040	1/4	116,585	1/4	106,727	1/4	95,965	1/4	85,201	1/4	74,449	
1/2	1/2	1/2	1/2	1/2	1/2	144,646	1/2	125,843	1/2	116,388	1/2	106,503	1/2	95,741	1/2	84,977	1/2	74,226	
3/4	3/4	3/4	3/4	3/4	3/4	144,451	3/4	125,647	3/4	116,191	3/4	106,279	3/4	95,517	3/4	84,753	3/4	74,004	
8	8	8	8	8	8	144,257	8	125,450	8	115,994	8	106,055	8	95,293	8	84,529	8	73,781	
1/4	1/4	1/4	1/4	1/4	1/4	144,062	1/4	125,254	1/4	115,797	1/4	105,831	1/4	95,068	1/4	84,304	1/4	73,558	
1/2	1/2	1/2	1/2	1/2	1/2	143,868	1/2	125,057	1/2	115,600	1/2	105,607	1/2	94,844	1/2	84,080	1/2	73,335	
3/4	3/4	3/4	3/4	3/4	3/4	143,673	3/4	124,861	3/4	115,403	3/4	105,383	3/4	94,620	3/4	83,856	3/4	73,112	
9	9	9	9	9	9	143,479	9	124,664	9	115,206	9	105,159	9	94,396	9	83,632	9	72,889	
1/4	1/4	1/4	1/4	1/4	1/4	143,284	1/4	124,468	1/4	115,009	1/4	104,935	1/4	94,171	1/4	83,407	1/4	72,667	
1/2	1/2	1/2	1/2	1/2	1/2	143,090	1/2	124,271	1/2	114,812	1/2	104,711	1/2	93,947	1/2	83,183	1/2	72,444	
3/4	3/4	3/4	3/4	3/4	3/4	142,895	3/4	124,074	3/4	114,615	3/4	104,487	3/4	93,723	3/4	82,959	3/4	72,221	
10	10	10	10	10	10	142,701	10	123,877	10	114,418	10	104,262	10	93,499	10	82,735	10	71,998	
1/4	1/4	1/4	1/4	1/4	1/4	142,506	1/4	123,680	1/4	114,221	1/4	104,038	1/4	93,274	1/4	82,510	1/4	71,775	
1/2	1/2	1/2	1/2	1/2	1/2	142,312	1/2	123,483	1/2	114,024	1/2	103,814	1/2	93,050	1/2	82,286	1/2	71,552	
3/4	3/4	3/4	3/4	3/4	3/4	142,117	3/4	123,286	3/4	113,827	3/4	103,590	3/4	92,826	3/4	82,062	3/4	71,330	
11	11	11	11	11	11	141,923	11	123,089	11	113,630	11	103,365	11	92,602	11	81,837	11	71,107	
1/4	1/4	1/4	1/4	1/4	1/4	141,728	1/4	122,892	1/4	113,434	1/4	103,141	1/4	92,377	1/4	81,613	1/4	70,884	
1/2	1/2	1/2	1/2	1/2	1/2	141,534	1/2	122,695	1/2	113,237	1/2	102,917	1/2	92,153	1/2	81,389	1/2	70,661	
3/4	3/4	3/4	3/4	3/4	3/4	141,340	3/4	122,497	3/4	113,040	3/4	102,693	3/4	91,929	3/4	81,165	3/4	70,438	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 26'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1378"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	70,215	0	59,465	0	48,704	0	37,943	0	27,334	0	16,632	0	5,845	0		0		0	
1/4	69,993	1/4	59,240	1/4	48,480	1/4	37,719	1/4	27,115	1/4	16,407	1/4	5,621	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,770	1/2	59,016	1/2	48,256	1/2	37,495	1/2	26,897	1/2	16,182	1/2	5,397	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,546	3/4	58,792	3/4	48,031	3/4	37,271	3/4	26,679	3/4	15,957	3/4	5,174	3/4	3/4	3/4	3/4	3/4	3/4
1	69,323	1	58,568	1	47,807	1	37,047	1	26,460	1	15,733	1	4,950	1	1	1	1	1	1
1/4	69,099	1/4	58,344	1/4	47,583	1/4	36,822	1/4	26,242	1/4	15,508	1/4	4,727	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,875	1/2	58,120	1/2	47,359	1/2	36,598	1/2	26,024	1/2	15,283	1/2	4,504	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,652	3/4	57,895	3/4	47,135	3/4	36,374	3/4	25,805	3/4	15,058	3/4	4,281	3/4	3/4	3/4	3/4	3/4	3/4
2	68,428	2	57,671	2	46,911	2	36,150	2	25,586	2	14,834	2	4,059	2	2	2	2	2	2
1/4	68,205	1/4	57,447	1/4	46,686	1/4	35,926	1/4	25,367	1/4	14,609	1/4	3,837	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,981	1/2	57,223	1/2	46,462	1/2	35,702	1/2	25,149	1/2	14,384	1/2	3,615	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,757	3/4	56,999	3/4	46,238	3/4	35,477	3/4	24,930	3/4	14,159	3/4	3,394	3/4	3/4	3/4	3/4	3/4	3/4
3	67,534	3	56,774	3	46,014	3	35,253	3	24,711	3	13,935	3	3,174	3	3	3	3	3	3
1/4	67,310	1/4	56,550	1/4	45,790	1/4	35,029	1/4	24,492	1/4	13,710	1/4	2,954	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,087	1/2	56,326	1/2	45,565	1/2	34,805	1/2	24,274	1/2	13,485	1/2	2,733	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,863	3/4	56,102	3/4	45,341	3/4	34,581	3/4	24,049	3/4	13,260	3/4	2,528	3/4	3/4	3/4	3/4	3/4	3/4
4	66,638	4	55,878	4	45,117	4	34,356	4	23,824	4	13,036	4	2,323	4	4	4	4	4	4
1/4	66,414	1/4	55,654	1/4	44,893	1/4	34,132	1/4	23,599	1/4	12,811	1/4	2,117	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,190	1/2	55,429	1/2	44,669	1/2	33,908	1/2	23,375	1/2	12,586	1/2	1,912	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,966	3/4	55,205	3/4	44,445	3/4	33,684	3/4	23,150	3/4	12,361	3/4	1,743	3/4	3/4	3/4	3/4	3/4	3/4
5	65,742	5	54,981	5	44,220	5	33,460	5	22,925	5	12,137	5	1,575	5	5	5	5	5	5
1/4	65,517	1/4	54,757	1/4	43,996	1/4	33,236	1/4	22,700	1/4	11,912	1/4	1,406	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,293	1/2	54,533	1/2	43,772	1/2	33,011	1/2	22,476	1/2	11,687	1/2	1,238	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,069	3/4	54,308	3/4	43,548	3/4	32,793	3/4	22,251	3/4	11,462	3/4	1,107	3/4	3/4	3/4	3/4	3/4	3/4
6	64,845	6	54,084	6	43,324	6	32,575	6	22,026	6	11,237	6	975	6	6	6	6	6	6
1/4	64,621	1/4	53,860	1/4	43,099	1/4	32,356	1/4	21,801	1/4	11,013	1/4	844	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,397	1/2	53,636	1/2	42,875	1/2	32,138	1/2	21,576	1/2	10,788	1/2	713	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,172	3/4	53,412	3/4	42,651	3/4	31,920	3/4	21,352	3/4	10,563	3/4	620	3/4	3/4	3/4	3/4	3/4	3/4
7	63,948	7	53,188	7	42,427	7	31,701	7	21,127	7	10,338	7	526	7	7	7	7	7	7
1/4	63,724	1/4	52,963	1/4	42,203	1/4	31,483	1/4	20,902	1/4	10,114	1/4	432	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,500	1/2	52,739	1/2	41,979	1/2	31,264	1/2	20,677	1/2	9,889	1/2	339	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,276	3/4	52,515	3/4	41,754	3/4	31,046	3/4	20,453	3/4	9,664	3/4	283	3/4	3/4	3/4	3/4	3/4	3/4
8	63,051	8	52,291	8	41,530	8	30,828	8	20,228	8	9,439	8	226	8	8	8	8	8	8
1/4	62,827	1/4	52,067	1/4	41,306	1/4	30,609	1/4	20,003	1/4	9,215	1/4	170	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,603	1/2	51,842	1/2	41,082	1/2	30,391	1/2	19,778	1/2	8,990	1/2	114	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,379	3/4	51,618	3/4	40,858	3/4	30,173	3/4	19,554	3/4	8,765	3/4	95	3/4	3/4	3/4	3/4	3/4	3/4
9	62,155	9	51,394	9	40,634	9	29,954	9	19,329	9	8,540	9	77	9	9	9	9	9	9
1/4	61,931	1/4	51,170	1/4	40,409	1/4	29,736	1/4	19,104	1/4	8,316	1/4	58	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,706	1/2	50,946	1/2	40,185	1/2	29,518	1/2	18,879	1/2	8,091	1/2	39	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,482	3/4	50,722	3/4	39,961	3/4	29,299	3/4	18,655	3/4	7,866	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	61,258	10	50,497	10	39,737	10	29,081	10	18,430	10	7,641	10		10	10	10	10	10	10
1/4	61,034	1/4	50,273	1/4	39,513	1/4	28,862	1/4	18,205	1/4	7,417	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,810	1/2	50,049	1/2	39,288	1/2	28,644	1/2	17,980	1/2	7,192	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,586	3/4	49,825	3/4	39,064	3/4	28,426	3/4	17,756	3/4	6,967	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	60,361	11	49,601	11	38,840	11	28,207	11	17,531	11	6,743	11		11	11	11	11	11	11
1/4	60,137	1/4	49,377	1/4	38,616	1/4	27,989	1/4	17,306	1/4	6,518	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,913	1/2	49,152	1/2	38,392	1/2	27,771	1/2	17,081	1/2	6,294	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,689	3/4	48,928	3/4	38,168	3/4	27,552	3/4	16,856	3/4	6,069	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/17/2014 CL
CALCULATED: 07/17/2014 CL
PRINTED: 07/17/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

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



BARGE "CBC 1378"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	0	0	0	163,037	0	151,048	0	139,030	0	126,960	0	114,889	0	102,819	0	90,748	
1/4	1/4	1/4	1/4	1/4	1/4	162,789	1/4	150,798	1/4	138,779	1/4	126,708	1/4	114,638	1/4	102,567	1/4	90,496	
1/2	1/2	1/2	1/2	1/2	1/2	162,542	1/2	150,548	1/2	138,527	1/2	126,457	1/2	114,386	1/2	102,316	1/2	90,245	
3/4	3/4	3/4	3/4	3/4	3/4	162,294	3/4	150,297	3/4	138,276	3/4	126,205	3/4	114,135	3/4	102,064	3/4	89,993	
1	1	1	1	1	1	162,046	1	150,047	1	138,024	1	125,954	1	113,883	1	101,813	1	89,742	
1/4	1/4	1/4	1/4	1/4	1/4	161,798	1/4	149,797	1/4	137,773	1/4	125,702	1/4	113,632	1/4	101,561	1/4	89,490	
1/2	1/2	1/2	1/2	170,425	1/2	161,551	1/2	149,547	1/2	137,522	1/2	125,451	1/2	113,380	1/2	101,310	1/2	89,239	
3/4	3/4	3/4	3/4	170,408	3/4	161,301	3/4	149,297	3/4	137,270	3/4	125,200	3/4	113,129	3/4	101,058	3/4	88,987	
2	2	2	2	170,391	2	161,051	2	149,047	2	137,019	2	124,948	2	112,878	2	100,807	2	88,736	
1/4	1/4	1/4	1/4	170,373	1/4	160,800	1/4	148,797	1/4	136,767	1/4	124,697	1/4	112,626	1/4	100,556	1/4	88,484	
1/2	1/2	1/2	1/2	170,356	1/2	160,550	1/2	148,547	1/2	136,516	1/2	124,445	1/2	112,375	1/2	100,304	1/2	88,233	
3/4	3/4	3/4	3/4	170,297	3/4	160,300	3/4	148,297	3/4	136,264	3/4	124,194	3/4	112,123	3/4	100,053	3/4	87,981	
3	3	3	3	170,238	3	160,050	3	148,047	3	136,013	3	123,942	3	111,872	3	99,801	3	87,730	
1/4	1/4	1/4	1/4	170,179	1/4	159,800	1/4	147,797	1/4	135,761	1/4	123,691	1/4	111,620	1/4	99,550	1/4	87,478	
1/2	1/2	1/2	1/2	170,120	1/2	159,550	1/2	147,547	1/2	135,510	1/2	123,439	1/2	111,369	1/2	99,298	1/2	87,227	
3/4	3/4	3/4	3/4	170,019	3/4	159,300	3/4	147,297	3/4	135,258	3/4	123,188	3/4	111,117	3/4	99,047	3/4	86,975	
4	4	4	4	169,918	4	159,050	4	147,047	4	135,007	4	122,936	4	110,866	4	98,795	4	86,724	
1/4	1/4	1/4	1/4	169,817	1/4	158,800	1/4	146,796	1/4	134,755	1/4	122,685	1/4	110,614	1/4	98,544	1/4	86,472	
1/2	1/2	1/2	1/2	169,716	1/2	158,550	1/2	146,546	1/2	134,504	1/2	122,433	1/2	110,363	1/2	98,292	1/2	86,221	
3/4	3/4	3/4	3/4	169,573	3/4	158,300	3/4	146,296	3/4	134,252	3/4	122,182	3/4	110,111	3/4	98,041	3/4	85,969	
5	5	5	5	169,430	5	158,050	5	146,046	5	134,001	5	121,930	5	109,860	5	97,789	5	85,718	
1/4	1/4	1/4	1/4	169,287	1/4	157,800	1/4	145,796	1/4	133,749	1/4	121,679	1/4	109,608	1/4	97,538	1/4	85,466	
1/2	1/2	1/2	1/2	169,144	1/2	157,550	1/2	145,546	1/2	133,498	1/2	121,427	1/2	109,357	1/2	97,286	1/2	85,215	
3/4	3/4	3/4	3/4	168,959	3/4	157,299	3/4	145,296	3/4	133,247	3/4	121,176	3/4	109,106	3/4	97,035	3/4	84,963	
6	6	6	6	168,774	6	157,049	6	145,046	6	132,995	6	120,925	6	108,854	6	96,784	6	84,712	
1/4	1/4	1/4	1/4	168,589	1/4	156,799	1/4	144,796	1/4	132,744	1/4	120,673	1/4	108,603	1/4	96,532	1/4	84,460	
1/2	1/2	1/2	1/2	168,404	1/2	156,549	1/2	144,546	1/2	132,492	1/2	120,422	1/2	108,351	1/2	96,281	1/2	84,209	
3/4	3/4	3/4	3/4	168,177	3/4	156,299	3/4	144,296	3/4	132,241	3/4	120,170	3/4	108,100	3/4	96,029	3/4	83,957	
7	7	7	7	167,951	7	156,049	7	144,046	7	131,989	7	119,919	7	107,848	7	95,778	7	83,705	
1/4	1/4	1/4	1/4	167,724	1/4	155,799	1/4	143,796	1/4	131,738	1/4	119,667	1/4	107,597	1/4	95,526	1/4	83,454	
1/2	1/2	1/2	1/2	167,497	1/2	155,549	1/2	143,546	1/2	131,486	1/2	119,416	1/2	107,345	1/2	95,275	1/2	83,202	
3/4	3/4	3/4	3/4	167,249	3/4	155,299	3/4	143,296	3/4	131,235	3/4	119,164	3/4	107,094	3/4	95,023	3/4	82,951	
8	8	8	8	167,001	8	155,049	8	143,045	8	130,983	8	118,913	8	106,842	8	94,772	8	82,699	
1/4	1/4	1/4	1/4	166,754	1/4	154,799	1/4	142,795	1/4	130,732	1/4	118,661	1/4	106,591	1/4	94,520	1/4	82,448	
1/2	1/2	1/2	1/2	166,506	1/2	154,549	1/2	142,545	1/2	130,480	1/2	118,410	1/2	106,339	1/2	94,269	1/2	82,196	
3/4	3/4	3/4	3/4	166,258	3/4	154,299	3/4	142,295	3/4	130,229	3/4	118,158	3/4	106,088	3/4	94,017	3/4	81,945	
9	9	9	9	166,010	9	154,049	9	142,045	9	129,977	9	117,907	9	105,836	9	93,766	9	81,693	
1/4	1/4	1/4	1/4	165,763	1/4	153,798	1/4	141,795	1/4	129,726	1/4	117,655	1/4	105,585	1/4	93,514	1/4	81,442	
1/2	1/2	1/2	1/2	165,515	1/2	153,548	1/2	141,545	1/2	129,474	1/2	117,404	1/2	105,333	1/2	93,263	1/2	81,190	
3/4	3/4	3/4	3/4	165,267	3/4	153,298	3/4	141,294	3/4	129,223	3/4	117,153	3/4	105,082	3/4	93,011	3/4	80,939	
10	10	10	10	165,019	10	153,048	10	141,042	10	128,972	10	116,901	10	104,831	10	92,760	10	80,687	
1/4	1/4	1/4	1/4	164,772	1/4	152,798	1/4	140,791	1/4	128,720	1/4	116,650	1/4	104,579	1/4	92,508	1/4	80,436	
1/2	1/2	1/2	1/2	164,524	1/2	152,548	1/2	140,539	1/2	128,469	1/2	116,398	1/2	104,328	1/2	92,257	1/2	80,184	
3/4	3/4	3/4	3/4	164,276	3/4	152,298	3/4	140,288	3/4	128,217	3/4	116,147	3/4	104,076	3/4	92,005	3/4	79,933	
11	11	11	11	164,028	11	152,048	11	140,036	11	127,966	11	115,895	11	103,825	11	91,754	11	79,681	
1/4	1/4	1/4	1/4	163,781	1/4	151,798	1/4	139,785	1/4	127,714	1/4	115,644	1/4	103,573	1/4	91,502	1/4	79,430	
1/2	1/2	1/2	1/2	163,533	1/2	151,548	1/2	139,533	1/2	127,463	1/2	115,392	1/2	103,322	1/2	91,251	1/2	79,178	
3/4	3/4	3/4	3/4	163,285	3/4	151,298	3/4	139,282	3/4	127,211	3/4	115,141	3/4	103,070	3/4	90,999	3/4	78,927	

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 30'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1378"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	78,675	0	66,603	0	54,530	0	42,457	0	30,606	0	18,606	0	6,537	0		0		0	
1/4	78,424	1/4	66,351	1/4	54,279	1/4	42,206	1/4	30,362	1/4	18,355	1/4	6,286	1/4	1/4		1/4		1/4
1/2	78,172	1/2	66,100	1/2	54,027	1/2	41,954	1/2	30,118	1/2	18,103	1/2	6,035	1/2	1/2		1/2		1/2
3/4	77,921	3/4	65,848	3/4	53,776	3/4	41,703	3/4	29,874	3/4	17,852	3/4	5,785	3/4	3/4		3/4		3/4
1	77,669	1	65,597	1	53,524	1	41,451	1	29,630	1	17,600	1	5,535	1	1		1		1
1/4	77,418	1/4	65,345	1/4	53,273	1/4	41,200	1/4	29,385	1/4	17,349	1/4	5,285	1/4	1/4		1/4		1/4
1/2	77,166	1/2	65,094	1/2	53,021	1/2	40,948	1/2	29,141	1/2	17,097	1/2	5,035	1/2	1/2		1/2		1/2
3/4	76,915	3/4	64,842	3/4	52,769	3/4	40,697	3/4	28,897	3/4	16,846	3/4	4,787	3/4	3/4		3/4		3/4
2	76,663	2	64,591	2	52,518	2	40,445	2	28,652	2	16,594	2	4,538	2	2		2		2
1/4	76,412	1/4	64,339	1/4	52,266	1/4	40,194	1/4	28,408	1/4	16,343	1/4	4,289	1/4	1/4		1/4		1/4
1/2	76,160	1/2	64,088	1/2	52,015	1/2	39,942	1/2	28,164	1/2	16,091	1/2	4,040	1/2	1/2		1/2		1/2
3/4	75,909	3/4	63,836	3/4	51,763	3/4	39,691	3/4	27,912	3/4	15,840	3/4	3,794	3/4	3/4		3/4		3/4
3	75,657	3	63,585	3	51,512	3	39,439	3	27,661	3	15,588	3	3,547	3	3		3		3
1/4	75,406	1/4	63,333	1/4	51,260	1/4	39,188	1/4	27,409	1/4	15,337	1/4	3,301	1/4	1/4		1/4		1/4
1/2	75,154	1/2	63,081	1/2	51,009	1/2	38,936	1/2	27,158	1/2	15,085	1/2	3,054	1/2	1/2		1/2		1/2
3/4	74,903	3/4	62,830	3/4	50,757	3/4	38,685	3/4	26,906	3/4	14,834	3/4	2,825	3/4	3/4		3/4		3/4
4	74,651	4	62,578	4	50,506	4	38,433	4	26,655	4	14,582	4	2,595	4	4		4		4
1/4	74,400	1/4	62,327	1/4	50,254	1/4	38,182	1/4	26,403	1/4	14,331	1/4	2,365	1/4	1/4		1/4		1/4
1/2	74,148	1/2	62,075	1/2	50,003	1/2	37,930	1/2	26,151	1/2	14,079	1/2	2,135	1/2	1/2		1/2		1/2
3/4	73,897	3/4	61,824	3/4	49,751	3/4	37,686	3/4	25,900	3/4	13,828	3/4	1,946	3/4	3/4		3/4		3/4
5	73,645	5	61,572	5	49,500	5	37,441	5	25,648	5	13,576	5	1,758	5	5		5		5
1/4	73,393	1/4	61,321	1/4	49,248	1/4	37,197	1/4	25,397	1/4	13,325	1/4	1,569	1/4	1/4		1/4		1/4
1/2	73,142	1/2	61,069	1/2	48,997	1/2	36,952	1/2	25,145	1/2	13,073	1/2	1,380	1/2	1/2		1/2		1/2
3/4	72,890	3/4	60,818	3/4	48,745	3/4	36,708	3/4	24,894	3/4	12,822	3/4	1,234	3/4	3/4		3/4		3/4
6	72,639	6	60,566	6	48,494	6	36,464	6	24,642	6	12,570	6	1,087	6	6		6		6
1/4	72,387	1/4	60,315	1/4	48,242	1/4	36,220	1/4	24,391	1/4	12,319	1/4	940	1/4	1/4		1/4		1/4
1/2	72,136	1/2	60,063	1/2	47,991	1/2	35,976	1/2	24,139	1/2	12,067	1/2	794	1/2	1/2		1/2		1/2
3/4	71,884	3/4	59,812	3/4	47,739	3/4	35,732	3/4	23,888	3/4	11,816	3/4	689	3/4	3/4		3/4		3/4
7	71,633	7	59,560	7	47,488	7	35,488	7	23,636	7	11,564	7	584	7	7		7		7
1/4	71,381	1/4	59,309	1/4	47,236	1/4	35,244	1/4	23,385	1/4	11,313	1/4	479	1/4	1/4		1/4		1/4
1/2	71,130	1/2	59,057	1/2	46,985	1/2	35,000	1/2	23,133	1/2	11,061	1/2	374	1/2	1/2		1/2		1/2
3/4	70,878	3/4	58,806	3/4	46,733	3/4	34,756	3/4	22,882	3/4	10,810	3/4	312	3/4	3/4		3/4		3/4
8	70,627	8	58,554	8	46,482	8	34,511	8	22,630	8	10,558	8	249	8	8		8		8
1/4	70,375	1/4	58,303	1/4	46,230	1/4	34,267	1/4	22,379	1/4	10,307	1/4	186	1/4	1/4		1/4		1/4
1/2	70,124	1/2	58,051	1/2	45,979	1/2	34,023	1/2	22,127	1/2	10,055	1/2	123	1/2	1/2		1/2		1/2
3/4	69,872	3/4	57,800	3/4	45,727	3/4	33,779	3/4	21,876	3/4	9,804	3/4	102	3/4	3/4		3/4		3/4
9	69,621	9	57,548	9	45,476	9	33,535	9	21,624	9	9,552	9	81	9	9		9		9
1/4	69,369	1/4	57,297	1/4	45,224	1/4	33,291	1/4	21,373	1/4	9,301	1/4	60	1/4	1/4		1/4		1/4
1/2	69,118	1/2	57,045	1/2	44,973	1/2	33,047	1/2	21,121	1/2	9,049	1/2	39	1/2	1/2		1/2		1/2
3/4	68,866	3/4	56,794	3/4	44,721	3/4	32,803	3/4	20,870	3/4	8,798	3/4		3/4	3/4		3/4		3/4
10	68,615	10	56,542	10	44,470	10	32,559	10	20,618	10	8,546	10		10	10		10		10
1/4	68,363	1/4	56,291	1/4	44,218	1/4	32,315	1/4	20,367	1/4	8,295	1/4		1/4	1/4		1/4		1/4
1/2	68,112	1/2	56,039	1/2	43,967	1/2	32,070	1/2	20,115	1/2	8,043	1/2		1/2	1/2		1/2		1/2
3/4	67,860	3/4	55,788	3/4	43,715	3/4	31,826	3/4	19,864	3/4	7,792	3/4		3/4	3/4		3/4		3/4
11	67,609	11	55,536	11	43,464	11	31,582	11	19,612	11	7,541	11		11	11		11		11
1/4	67,357	1/4	55,285	1/4	43,212	1/4	31,338	1/4	19,361	1/4	7,290	1/4		1/4	1/4		1/4		1/4
1/2	67,106	1/2	55,033	1/2	42,960	1/2	31,094	1/2	19,109	1/2	7,038	1/2		1/2	1/2		1/2		1/2
3/4	66,854	3/4	54,782	3/4	42,709	3/4	30,850	3/4	18,858	3/4	6,787	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/17/2014 CL
CALCULATED: 07/17/2014 CL
PRINTED: 07/17/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

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



BARGE "CBC 1378"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	144,732	0	134,087	0	123,419	0	112,705	0	101,991	0	91,277	0	80,563
1/4	1/4	1/4	1/4	1/4	1/4	1/4	144,512	1/4	133,865	1/4	123,196	1/4	112,482	1/4	101,768	1/4	91,054	1/4	80,340
1/2	1/2	1/2	1/2	1/2	1/2	1/2	144,292	1/2	133,643	1/2	122,972	1/2	112,259	1/2	101,545	1/2	90,831	1/2	80,117
3/4	3/4	3/4	3/4	3/4	3/4	3/4	144,072	3/4	133,421	3/4	122,749	3/4	112,035	3/4	101,322	3/4	90,608	3/4	79,894
1		1		1		1	143,852	1	133,199	1	122,526	1	111,812	1	101,098	1	90,385	1	79,670
1/4	1/4	1/4	1/4	1/4	1/4	1/4	151,510	1/4	143,632	1/4	132,977	1/4	122,303	1/4	111,589	1/4	100,875	1/4	90,161
1/2	1/2	1/2	1/2	1/2	1/2	1/2	151,495	1/2	143,410	1/2	132,755	1/2	122,080	1/2	111,366	1/2	100,652	1/2	89,938
3/4	3/4	3/4	3/4	3/4	3/4	3/4	151,479	3/4	143,188	3/4	132,533	3/4	121,856	3/4	111,143	3/4	100,429	3/4	89,715
2		2		2		2	151,464	2	142,966	2	132,311	2	121,633	2	110,919	2	100,206	2	89,492
1/4	1/4	1/4	1/4	1/4	1/4	1/4	151,449	1/4	142,744	1/4	132,089	1/4	121,410	1/4	110,696	1/4	99,982	1/4	89,269
1/2	1/2	1/2	1/2	1/2	1/2	1/2	151,396	1/2	142,522	1/2	131,867	1/2	121,187	1/2	110,473	1/2	99,759	1/2	89,045
3/4	3/4	3/4	3/4	3/4	3/4	3/4	151,344	3/4	142,300	3/4	131,645	3/4	120,964	3/4	110,250	3/4	99,536	3/4	88,822
3		3		3		3	151,291	3	142,079	3	131,423	3	120,740	3	110,027	3	99,313	3	88,599
1/4	1/4	1/4	1/4	1/4	1/4	1/4	151,239	1/4	141,857	1/4	131,202	1/4	120,517	1/4	109,803	1/4	99,090	1/4	88,376
1/2	1/2	1/2	1/2	1/2	1/2	1/2	151,149	1/2	141,635	1/2	130,980	1/2	120,294	1/2	109,580	1/2	98,866	1/2	88,153
3/4	3/4	3/4	3/4	3/4	3/4	3/4	151,059	3/4	141,413	3/4	130,758	3/4	120,071	3/4	109,357	3/4	98,643	3/4	87,929
4		4		4		4	150,970	4	141,191	4	130,536	4	119,848	4	109,134	4	98,420	4	87,706
1/4	1/4	1/4	1/4	1/4	1/4	1/4	150,880	1/4	140,969	1/4	130,314	1/4	119,624	1/4	108,911	1/4	98,197	1/4	87,483
1/2	1/2	1/2	1/2	1/2	1/2	1/2	150,753	1/2	140,747	1/2	130,092	1/2	119,401	1/2	108,687	1/2	97,974	1/2	87,260
3/4	3/4	3/4	3/4	3/4	3/4	3/4	150,626	3/4	140,525	3/4	129,870	3/4	119,178	3/4	108,464	3/4	97,750	3/4	87,037
5		5		5		5	150,499	5	140,303	5	129,648	5	118,955	5	108,241	5	97,527	5	86,813
1/4	1/4	1/4	1/4	1/4	1/4	1/4	150,372	1/4	140,081	1/4	129,426	1/4	118,732	1/4	108,018	1/4	97,304	1/4	86,590
1/2	1/2	1/2	1/2	1/2	1/2	1/2	150,208	1/2	139,859	1/2	129,204	1/2	118,508	1/2	107,795	1/2	97,081	1/2	86,367
3/4	3/4	3/4	3/4	3/4	3/4	3/4	150,044	3/4	139,637	3/4	128,982	3/4	118,285	3/4	107,571	3/4	96,858	3/4	86,144
6		6		6		6	149,880	6	139,415	6	128,760	6	118,062	6	107,348	6	96,634	6	85,921
1/4	1/4	1/4	1/4	1/4	1/4	1/4	149,716	1/4	139,193	1/4	128,538	1/4	117,839	1/4	107,125	1/4	96,411	1/4	85,697
1/2	1/2	1/2	1/2	1/2	1/2	1/2	149,515	1/2	138,971	1/2	128,316	1/2	117,615	1/2	106,902	1/2	96,188	1/2	85,474
3/4	3/4	3/4	3/4	3/4	3/4	3/4	149,313	3/4	138,749	3/4	128,094	3/4	117,392	3/4	106,679	3/4	95,965	3/4	85,251
7		7		7		7	149,112	7	138,527	7	127,872	7	117,169	7	106,455	7	95,742	7	85,028
1/4	1/4	1/4	1/4	1/4	1/4	1/4	148,911	1/4	138,305	1/4	127,650	1/4	116,946	1/4	106,232	1/4	95,518	1/4	84,805
1/2	1/2	1/2	1/2	1/2	1/2	1/2	148,691	1/2	138,083	1/2	127,428	1/2	116,723	1/2	106,009	1/2	95,295	1/2	84,581
3/4	3/4	3/4	3/4	3/4	3/4	3/4	148,471	3/4	137,861	3/4	127,206	3/4	116,499	3/4	105,786	3/4	95,072	3/4	84,358
8		8		8		8	148,251	8	137,639	8	126,984	8	116,276	8	105,563	8	94,849	8	84,135
1/4	1/4	1/4	1/4	1/4	1/4	1/4	148,031	1/4	137,417	1/4	126,762	1/4	116,053	1/4	105,339	1/4	94,626	1/4	83,912
1/2	1/2	1/2	1/2	1/2	1/2	1/2	147,811	1/2	137,195	1/2	126,540	1/2	115,830	1/2	105,116	1/2	94,402	1/2	83,689
3/4	3/4	3/4	3/4	3/4	3/4	3/4	147,591	3/4	136,973	3/4	126,318	3/4	115,607	3/4	104,893	3/4	94,179	3/4	83,465
9		9		9		9	147,371	9	136,751	9	126,096	9	115,383	9	104,670	9	93,956	9	83,242
1/4	1/4	1/4	1/4	1/4	1/4	1/4	147,151	1/4	136,529	1/4	125,874	1/4	115,160	1/4	104,446	1/4	93,733	1/4	83,019
1/2	1/2	1/2	1/2	1/2	1/2	1/2	146,931	1/2	136,307	1/2	125,651	1/2	114,937	1/2	104,223	1/2	93,510	1/2	82,796
3/4	3/4	3/4	3/4	3/4	3/4	3/4	146,711	3/4	136,085	3/4	125,428	3/4	114,714	3/4	104,000	3/4	93,286	3/4	82,572
10		10		10		10	146,491	10	135,863	10	125,204	10	114,491	10	103,777	10	93,063	10	82,349
1/4	1/4	1/4	1/4	1/4	1/4	1/4	146,271	1/4	135,641	1/4	124,981	1/4	114,267	1/4	103,554	1/4	92,840	1/4	82,126
1/2	1/2	1/2	1/2	1/2	1/2	1/2	146,052	1/2	135,419	1/2	124,758	1/2	114,044	1/2	103,330	1/2	92,617	1/2	81,903
3/4	3/4	3/4	3/4	3/4	3/4	3/4	145,832	3/4	135,197	3/4	124,535	3/4	113,821	3/4	103,107	3/4	92,394	3/4	81,680
11		11		11		11	145,612	11	134,975	11	124,312	11	113,598	11	102,884	11	92,170	11	81,456
1/4	1/4	1/4	1/4	1/4	1/4	1/4	145,392	1/4	134,753	1/4	124,088	1/4	113,375	1/4	102,661	1/4	91,947	1/4	81,233
1/2	1/2	1/2	1/2	1/2	1/2	1/2	145,172	1/2	134,531	1/2	123,865	1/2	113,151	1/2	102,438	1/2	91,724	1/2	81,010
3/4	3/4	3/4	3/4	3/4	3/4	3/4	144,952	3/4	134,309	3/4	123,642	3/4	112,928	3/4	102,214	3/4	91,501	3/4	80,787

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 23'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1378"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09 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	69,848	0	59,132	0	48,417	0	37,701	0	27,005	0	16,296	0	5,584	0		0		0	
1/4	69,625	1/4	58,909	1/4	48,193	1/4	37,478	1/4	26,782	1/4	16,073	1/4	5,361	1/4	1/4		1/4		1/4
1/2	69,401	1/2	58,686	1/2	47,970	1/2	37,255	1/2	26,560	1/2	15,850	1/2	5,139	1/2	1/2		1/2		1/2
3/4	69,178	3/4	58,462	3/4	47,747	3/4	37,031	3/4	26,337	3/4	15,626	3/4	4,917	3/4	3/4		3/4		3/4
1	68,955	1	58,239	1	47,524	1	36,808	1	26,115	1	15,403	1	4,696	1	1		1		1
1/4	68,732	1/4	58,016	1/4	47,300	1/4	36,585	1/4	25,892	1/4	15,180	1/4	4,474	1/4	1/4		1/4		1/4
1/2	68,508	1/2	57,793	1/2	47,077	1/2	36,362	1/2	25,669	1/2	14,957	1/2	4,253	1/2	1/2		1/2		1/2
3/4	68,285	3/4	57,569	3/4	46,854	3/4	36,138	3/4	25,446	3/4	14,733	3/4	4,032	3/4	3/4		3/4		3/4
2	68,062	2	57,346	2	46,631	2	35,915	2	25,224	2	14,510	2	3,811	2	2		2		2
1/4	67,839	1/4	57,123	1/4	46,407	1/4	35,692	1/4	25,001	1/4	14,287	1/4	3,591	1/4	1/4		1/4		1/4
1/2	67,615	1/2	56,900	1/2	46,184	1/2	35,469	1/2	24,778	1/2	14,064	1/2	3,372	1/2	1/2		1/2		1/2
3/4	67,392	3/4	56,677	3/4	45,961	3/4	35,245	3/4	24,555	3/4	13,841	3/4	3,153	3/4	3/4		3/4		3/4
3	67,169	3	56,453	3	45,738	3	35,022	3	24,332	3	13,617	3	2,934	3	3		3		3
1/4	66,946	1/4	56,230	1/4	45,514	1/4	34,799	1/4	24,109	1/4	13,394	1/4	2,716	1/4	1/4		1/4		1/4
1/2	66,722	1/2	56,007	1/2	45,291	1/2	34,576	1/2	23,886	1/2	13,171	1/2	2,512	1/2	1/2		1/2		1/2
3/4	66,499	3/4	55,784	3/4	45,068	3/4	34,352	3/4	23,663	3/4	12,948	3/4	2,307	3/4	3/4		3/4		3/4
4	66,276	4	55,560	4	44,845	4	34,129	4	23,440	4	12,724	4	2,103	4	4		4		4
1/4	66,053	1/4	55,337	1/4	44,622	1/4	33,906	1/4	23,216	1/4	12,501	1/4	1,899	1/4	1/4		1/4		1/4
1/2	65,829	1/2	55,114	1/2	44,398	1/2	33,683	1/2	22,993	1/2	12,278	1/2	1,732	1/2	1/2		1/2		1/2
3/4	65,606	3/4	54,891	3/4	44,175	3/4	33,459	3/4	22,770	3/4	12,055	3/4	1,565	3/4	3/4		3/4		3/4
5	65,383	5	54,667	5	43,952	5	33,236	5	22,547	5	11,831	5	1,397	5	5		5		5
1/4	65,160	1/4	54,444	1/4	43,729	1/4	33,013	1/4	22,323	1/4	11,608	1/4	1,230	1/4	1/4		1/4		1/4
1/2	64,936	1/2	54,221	1/2	43,505	1/2	32,790	1/2	22,100	1/2	11,385	1/2	1,099	1/2	1/2		1/2		1/2
3/4	64,713	3/4	53,998	3/4	43,282	3/4	32,568	3/4	21,877	3/4	11,162	3/4	969	3/4	3/4		3/4		3/4
6	64,490	6	53,774	6	43,059	6	32,345	6	21,654	6	10,939	6	839	6	6		6		6
1/4	64,267	1/4	53,551	1/4	42,836	1/4	32,123	1/4	21,430	1/4	10,715	1/4	709	1/4	1/4		1/4		1/4
1/2	64,043	1/2	53,328	1/2	42,612	1/2	31,900	1/2	21,207	1/2	10,492	1/2	616	1/2	1/2		1/2		1/2
3/4	63,820	3/4	53,105	3/4	42,389	3/4	31,678	3/4	20,984	3/4	10,269	3/4	523	3/4	3/4		3/4		3/4
7	63,597	7	52,881	7	42,166	7	31,455	7	20,761	7	10,046	7	430	7	7		7		7
1/4	63,374	1/4	52,658	1/4	41,943	1/4	31,233	1/4	20,537	1/4	9,822	1/4	337	1/4	1/4		1/4		1/4
1/2	63,151	1/2	52,435	1/2	41,719	1/2	31,010	1/2	20,314	1/2	9,599	1/2	281	1/2	1/2		1/2		1/2
3/4	62,927	3/4	52,212	3/4	41,496	3/4	30,788	3/4	20,091	3/4	9,376	3/4	225	3/4	3/4		3/4		3/4
8	62,704	8	51,988	8	41,273	8	30,565	8	19,868	8	9,153	8	169	8	8		8		8
1/4	62,481	1/4	51,765	1/4	41,050	1/4	30,343	1/4	19,645	1/4	8,929	1/4	114	1/4	1/4		1/4		1/4
1/2	62,258	1/2	51,542	1/2	40,826	1/2	30,120	1/2	19,421	1/2	8,706	1/2	95	1/2	1/2		1/2		1/2
3/4	62,034	3/4	51,319	3/4	40,603	3/4	29,898	3/4	19,198	3/4	8,483	3/4	76	3/4	3/4		3/4		3/4
9	61,811	9	51,096	9	40,380	9	29,675	9	18,975	9	8,260	9	58	9	9		9		9
1/4	61,588	1/4	50,872	1/4	40,157	1/4	29,453	1/4	18,752	1/4	8,037	1/4	39	1/4	1/4		1/4		1/4
1/2	61,365	1/2	50,649	1/2	39,933	1/2	29,230	1/2	18,528	1/2	7,813	1/2		1/2	1/2		1/2		1/2
3/4	61,141	3/4	50,426	3/4	39,710	3/4	29,008	3/4	18,305	3/4	7,590	3/4		3/4	3/4		3/4		3/4
10	60,918	10	50,203	10	39,487	10	28,785	10	18,082	10	7,367	10	10	10			10		10
1/4	60,695	1/4	49,979	1/4	39,264	1/4	28,563	1/4	17,859	1/4	7,144	1/4	1/4	1/4			1/4		1/4
1/2	60,472	1/2	49,756	1/2	39,040	1/2	28,340	1/2	17,635	1/2	6,921	1/2	1/2	1/2			1/2		1/2
3/4	60,248	3/4	49,533	3/4	38,817	3/4	28,117	3/4	17,412	3/4	6,698	3/4	3/4	3/4			3/4		3/4
11	60,025	11	49,310	11	38,594	11	27,895	11	17,189	11	6,475	11	11	11			11		11
1/4	59,802	1/4	49,086	1/4	38,371	1/4	27,672	1/4	16,966	1/4	6,252	1/4	1/4	1/4			1/4		1/4
1/2	59,579	1/2	48,863	1/2	38,148	1/2	27,450	1/2	16,743	1/2	6,029	1/2	1/2	1/2			1/2		1/2
3/4	59,355	3/4	48,640	3/4	37,924	3/4	27,227	3/4	16,519	3/4	5,806	3/4	3/4	3/4			3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

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