



BARGE "CBC 309"

INNAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 238'-03"

January 7, 2013

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 309"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 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	585	0	13,233	0	28,414	0	44,037	0	59,735	0	75,449	0	91,164	0	106,878	0	122,592	0	138,304
1/4	719	1/4	13,534	1/4	28,741	1/4	44,361	1/4	60,063	1/4	75,777	1/4	91,491	1/4	107,205	1/4	122,919	1/4	138,632
1/2	854	1/2	13,835	1/2	29,068	1/2	44,686	1/2	60,390	1/2	76,104	1/2	91,818	1/2	107,532	1/2	123,247	1/2	138,959
3/4	989	3/4	14,136	3/4	29,396	3/4	45,010	3/4	60,717	3/4	76,432	3/4	92,146	3/4	107,860	3/4	123,574	3/4	139,286
1	1,124	1	14,437	1	29,723	1	45,335	1	61,045	1	76,759	1	92,473	1	108,187	1	123,901	1	139,614
1/4	1,336	1/4	14,742	1/4	30,051	1/4	45,662	1/4	61,372	1/4	77,086	1/4	92,800	1/4	108,515	1/4	124,229	1/4	139,941
1/2	1,548	1/2	15,046	1/2	30,378	1/2	45,989	1/2	61,700	1/2	77,414	1/2	93,128	1/2	108,842	1/2	124,556	1/2	140,268
3/4	1,761	3/4	15,350	3/4	30,705	3/4	46,315	3/4	62,027	3/4	77,741	3/4	93,455	3/4	109,169	3/4	124,883	3/4	140,596
2	1,973	2	15,655	2	31,033	2	46,642	2	62,354	2	78,068	2	93,783	2	109,497	2	125,211	2	140,923
1/4	2,233	1/4	15,963	1/4	31,360	1/4	46,969	1/4	62,682	1/4	78,396	1/4	94,110	1/4	109,824	1/4	125,538	1/4	141,250
1/2	2,494	1/2	16,270	1/2	31,687	1/2	47,296	1/2	63,009	1/2	78,723	1/2	94,437	1/2	110,151	1/2	125,866	1/2	141,577
3/4	2,754	3/4	16,578	3/4	32,015	3/4	47,623	3/4	63,336	3/4	79,051	3/4	94,765	3/4	110,479	3/4	126,193	3/4	141,905
3	3,015	3	16,886	3	32,342	3	47,950	3	63,664	3	79,378	3	95,092	3	110,806	3	126,520	3	142,232
1/4	3,284	1/4	17,197	1/4	32,668	1/4	48,277	1/4	63,991	1/4	79,705	1/4	95,419	1/4	111,134	1/4	126,848	1/4	142,559
1/2	3,554	1/2	17,508	1/2	32,993	1/2	48,605	1/2	64,319	1/2	80,033	1/2	95,747	1/2	111,461	1/2	127,175	1/2	142,887
3/4	3,824	3/4	17,819	3/4	33,319	3/4	48,932	3/4	64,646	3/4	80,360	3/4	96,074	3/4	111,788	3/4	127,502	3/4	143,214
4	4,094	4	18,131	4	33,645	4	49,259	4	64,973	4	80,687	4	96,402	4	112,116	4	127,830	4	143,541
1/4	4,367	1/4	18,445	1/4	33,970	1/4	49,587	1/4	65,301	1/4	81,015	1/4	96,729	1/4	112,443	1/4	128,157	1/4	143,869
1/2	4,641	1/2	18,760	1/2	34,295	1/2	49,914	1/2	65,628	1/2	81,342	1/2	97,056	1/2	112,770	1/2	128,485	1/2	144,196
3/4	4,914	3/4	19,074	3/4	34,621	3/4	50,241	3/4	65,955	3/4	81,670	3/4	97,384	3/4	113,098	3/4	128,812	3/4	144,523
5	5,188	5	19,389	5	34,946	5	50,569	5	66,283	5	81,997	5	97,711	5	113,425	5	129,139	5	144,850
1/4	5,465	1/4	19,707	1/4	35,271	1/4	50,896	1/4	66,610	1/4	82,324	1/4	98,038	1/4	113,753	1/4	129,467	1/4	145,178
1/2	5,742	1/2	20,025	1/2	35,596	1/2	51,223	1/2	66,938	1/2	82,652	1/2	98,366	1/2	114,080	1/2	129,794	1/2	145,505
3/4	6,019	3/4	20,343	3/4	35,920	3/4	51,551	3/4	67,265	3/4	82,979	3/4	98,693	3/4	114,407	3/4	130,121	3/4	145,832
6	6,296	6	20,661	6	36,245	6	51,878	6	67,592	6	83,306	6	99,021	6	114,735	6	130,449	6	146,160
1/4	6,577	1/4	20,982	1/4	36,570	1/4	52,206	1/4	67,920	1/4	83,634	1/4	99,348	1/4	115,062	1/4	130,776	1/4	146,487
1/2	6,857	1/2	21,304	1/2	36,894	1/2	52,533	1/2	68,247	1/2	83,961	1/2	99,675	1/2	115,389	1/2	131,104	1/2	146,814
3/4	7,138	3/4	21,625	3/4	37,219	3/4	52,860	3/4	68,575	3/4	84,289	3/4	100,003	3/4	115,717	3/4	131,431	3/4	147,142
7	7,418	7	21,947	7	37,544	7	53,188	7	68,902	7	84,616	7	100,330	7	116,044	7	131,758	7	147,469
1/4	7,702	1/4	22,264	1/4	37,868	1/4	53,515	1/4	69,229	1/4	84,943	1/4	100,658	1/4	116,372	1/4	132,086	1/4	147,796
1/2	7,986	1/2	22,581	1/2	38,193	1/2	53,843	1/2	69,557	1/2	85,271	1/2	100,985	1/2	116,699	1/2	132,413	1/2	148,123
3/4	8,270	3/4	22,898	3/4	38,518	3/4	54,170	3/4	69,884	3/4	85,598	3/4	101,312	3/4	117,026	3/4	132,740	3/4	148,451
8	8,554	8	23,215	8	38,842	8	54,497	8	70,211	8	85,926	8	101,640	8	117,354	8	133,068	8	148,778
1/4	8,842	1/4	23,534	1/4	39,167	1/4	54,825	1/4	70,539	1/4	86,253	1/4	101,967	1/4	117,681	1/4	133,395	1/4	149,105
1/2	9,129	1/2	23,853	1/2	39,491	1/2	55,152	1/2	70,866	1/2	86,580	1/2	102,294	1/2	118,009	1/2	133,722	1/2	149,433
3/4	9,416	3/4	24,171	3/4	39,816	3/4	55,479	3/4	71,194	3/4	86,908	3/4	102,622	3/4	118,336	3/4	134,050	3/4	149,760
9	9,704	9	24,490	9	40,141	9	55,807	9	71,521	9	87,235	9	102,949	9	118,663	9	134,377	9	150,087
1/4	9,994	1/4	24,816	1/4	40,465	1/4	56,134	1/4	71,848	1/4	87,562	1/4	103,277	1/4	118,991	1/4	134,704	1/4	150,415
1/2	10,285	1/2	25,142	1/2	40,790	1/2	56,462	1/2	72,176	1/2	87,890	1/2	103,604	1/2	119,318	1/2	135,031	1/2	150,742
3/4	10,576	3/4	25,468	3/4	41,115	3/4	56,789	3/4	72,503	3/4	88,217	3/4	103,931	3/4	119,645	3/4	135,359	3/4	151,069
10	10,867	10	25,795	10	41,439	10	57,116	10	72,830	10	88,545	10	104,259	10	119,973	10	135,686	10	151,396
1/4	11,161	1/4	26,122	1/4	41,764	1/4	57,444	1/4	73,158	1/4	88,872	1/4	104,586	1/4	120,300	1/4	136,013	1/4	151,724
1/2	11,455	1/2	26,449	1/2	42,089	1/2	57,771	1/2	73,485	1/2	89,199	1/2	104,913	1/2	120,628	1/2	136,341	1/2	152,051
3/4	11,749	3/4	26,777	3/4	42,413	3/4	58,098	3/4	73,813	3/4	89,527	3/4	105,241	3/4	120,955	3/4	136,668	3/4	152,378
11	12,043	11	27,104	11	42,738	11	58,426	11	74,140	11	89,854	11	105,568	11	121,282	11	136,995	11	152,706
1/4	12,341	1/4	27,432	1/4	43,063	1/4	58,753	1/4	74,467	1/4	90,181	1/4	105,896	1/4	121,610	1/4	137,323	1/4	153,033
1/2	12,638	1/2	27,759	1/2	43,387	1/2	59,081	1/2	74,795	1/2	90,509	1/2	106,223	1/2	121,937	1/2	137,650	1/2	153,360
3/4	12,936	3/4	28,086	3/4	43,712	3/4	59,408	3/4	75,122	3/4	90,836	3/4	106,550	3/4	122,264	3/4	137,977	3/4	153,687

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 11'-00" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "CBC 309"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 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	154,015	0	169,725	0	185,363	0	200,986	0	216,521	0		0		0		0		0	
1/4	154,342	1/4	170,052	1/4	185,689	1/4	201,312	1/4	216,835	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,669	1/2	170,380	1/2	186,014	1/2	201,637	1/2	217,148	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,997	3/4	170,707	3/4	186,340	3/4	201,963	3/4	217,462	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	155,324	1	171,034	1	186,665	1	202,288	1	217,775	1	1	1	1	1	1	1	1	1	1
1/4	155,651	1/4	171,362	1/4	186,991	1/4	202,614	1/4	218,048	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,979	1/2	171,689	1/2	187,316	1/2	202,939	1/2	218,322	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,306	3/4	172,016	3/4	187,642	3/4	203,265	3/4	218,595	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	156,633	2	172,344	2	187,967	2	203,590	2	218,868	2	2	2	2	2	2	2	2	2	2
1/4	156,960	1/4	172,669	1/4	188,293	1/4	203,915	1/4	219,088	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,288	1/2	172,995	1/2	188,618	1/2	204,241	1/2	219,307	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,615	3/4	173,321	3/4	188,944	3/4	204,566	3/4	219,527	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	157,942	3	173,646	3	189,269	3	204,892	3	219,747	3	3	3	3	3	3	3	3	3	3
1/4	158,270	1/4	173,972	1/4	189,595	1/4	205,217	1/4	219,912	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,597	1/2	174,297	1/2	189,920	1/2	205,543	1/2	220,078	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,924	3/4	174,623	3/4	190,246	3/4	205,868	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	159,252	4	174,948	4	190,571	4	206,194	4		4	4	4	4	4	4	4	4	4	4
1/4	159,579	1/4	175,274	1/4	190,897	1/4	206,519	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,906	1/2	175,599	1/2	191,222	1/2	206,845	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,233	3/4	175,925	3/4	191,547	3/4	207,170	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	160,561	5	176,250	5	191,873	5	207,496	5	5	5	5	5	5	5	5	5	5	5	5
1/4	160,888	1/4	176,576	1/4	192,198	1/4	207,821	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,215	1/2	176,901	1/2	192,524	1/2	208,147	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,543	3/4	177,227	3/4	192,849	3/4	208,472	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	161,870	6	177,552	6	193,175	6	208,798	6	6	6	6	6	6	6	6	6	6	6	6
1/4	162,197	1/4	177,878	1/4	193,500	1/4	209,123	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,525	1/2	178,203	1/2	193,826	1/2	209,449	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,852	3/4	178,528	3/4	194,151	3/4	209,774	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	163,179	7	178,854	7	194,477	7	210,099	7	7	7	7	7	7	7	7	7	7	7	7
1/4	163,506	1/4	179,179	1/4	194,802	1/4	210,422	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,834	1/2	179,505	1/2	195,128	1/2	210,744	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,161	3/4	179,830	3/4	195,453	3/4	211,067	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	164,488	8	180,156	8	195,779	8	211,389	8	8	8	8	8	8	8	8	8	8	8	8
1/4	164,816	1/4	180,481	1/4	196,104	1/4	211,711	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,143	1/2	180,807	1/2	196,430	1/2	212,033	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,470	3/4	181,132	3/4	196,755	3/4	212,354	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	165,798	9	181,458	9	197,081	9	212,676	9	9	9	9	9	9	9	9	9	9	9	9
1/4	166,125	1/4	181,783	1/4	197,406	1/4	212,997	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,452	1/2	182,109	1/2	197,731	1/2	213,319	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,779	3/4	182,434	3/4	198,057	3/4	213,640	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	167,107	10	182,760	10	198,382	10	213,961	10	10	10	10	10	10	10	10	10	10	10	10
1/4	167,434	1/4	183,085	1/4	198,708	1/4	214,282	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	167,761	1/2	183,411	1/2	199,033	1/2	214,602	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	168,089	3/4	183,736	3/4	199,359	3/4	214,923	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	168,416	11	184,062	11	199,684	11	215,244	11	11	11	11	11	11	11	11	11	11	11	11
1/4	168,743	1/4	184,387	1/4	200,010	1/4	215,563	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	169,071	1/2	184,713	1/2	200,335	1/2	215,882	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	169,398	3/4	185,038	3/4	200,661	3/4	216,202	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: 01/07/2013 CL - SW
CALCULATED: 01/07/2013 CL
PRINTED: 01/07/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "CBC 309"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 3/4"

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	585	0	13,233	0	28,413	0	44,088	0	59,796	0	75,510	0	91,225	0	106,939	0	122,653	0	138,365
1/4	719	1/4	13,534	1/4	28,741	1/4	44,415	1/4	60,124	1/4	75,838	1/4	91,552	1/4	107,266	1/4	122,980	1/4	138,693
1/2	854	1/2	13,835	1/2	29,068	1/2	44,742	1/2	60,451	1/2	76,165	1/2	91,879	1/2	107,593	1/2	123,308	1/2	139,020
3/4	989	3/4	14,136	3/4	29,395	3/4	45,068	3/4	60,778	3/4	76,493	3/4	92,207	3/4	107,921	3/4	123,635	3/4	139,347
1	1,124	1	14,437	1	29,723	1	45,395	1	61,106	1	76,820	1	92,534	1	108,248	1	123,962	1	139,675
1/4	1,336	1/4	14,741	1/4	30,050	1/4	45,722	1/4	61,433	1/4	77,147	1/4	92,861	1/4	108,576	1/4	124,290	1/4	140,002
1/2	1,548	1/2	15,046	1/2	30,377	1/2	46,049	1/2	61,761	1/2	77,475	1/2	93,189	1/2	108,903	1/2	124,617	1/2	140,329
3/4	1,761	3/4	15,350	3/4	30,704	3/4	46,376	3/4	62,088	3/4	77,802	3/4	93,516	3/4	109,230	3/4	124,944	3/4	140,656
2	1,973	2	15,654	2	31,031	2	46,703	2	62,415	2	78,129	2	93,844	2	109,558	2	125,272	2	140,984
1/4	2,233	1/4	15,962	1/4	31,358	1/4	47,030	1/4	62,743	1/4	78,457	1/4	94,171	1/4	109,885	1/4	125,599	1/4	141,311
1/2	2,494	1/2	16,270	1/2	31,684	1/2	47,357	1/2	63,070	1/2	78,784	1/2	94,498	1/2	110,212	1/2	125,927	1/2	141,638
3/4	2,754	3/4	16,578	3/4	32,011	3/4	47,684	3/4	63,397	3/4	79,112	3/4	94,826	3/4	110,540	3/4	126,254	3/4	141,966
3	3,015	3	16,886	3	32,338	3	48,011	3	63,725	3	79,439	3	95,153	3	110,867	3	126,581	3	142,293
1/4	3,284	1/4	17,197	1/4	32,665	1/4	48,338	1/4	64,052	1/4	79,766	1/4	95,480	1/4	111,195	1/4	126,909	1/4	142,620
1/2	3,554	1/2	17,508	1/2	32,992	1/2	48,666	1/2	64,380	1/2	80,094	1/2	95,808	1/2	111,522	1/2	127,236	1/2	142,948
3/4	3,824	3/4	17,819	3/4	33,319	3/4	48,993	3/4	64,707	3/4	80,421	3/4	96,135	3/4	111,849	3/4	127,563	3/4	143,275
4	4,093	4	18,130	4	33,646	4	49,320	4	65,034	4	80,748	4	96,463	4	112,177	4	127,891	4	143,602
1/4	4,367	1/4	18,445	1/4	33,973	1/4	49,648	1/4	65,362	1/4	81,076	1/4	96,790	1/4	112,504	1/4	128,218	1/4	143,929
1/2	4,641	1/2	18,759	1/2	34,300	1/2	49,975	1/2	65,689	1/2	81,403	1/2	97,117	1/2	112,831	1/2	128,546	1/2	144,257
3/4	4,914	3/4	19,074	3/4	34,627	3/4	50,302	3/4	66,016	3/4	81,731	3/4	97,445	3/4	113,159	3/4	128,873	3/4	144,584
5	5,188	5	19,389	5	34,953	5	50,630	5	66,344	5	82,058	5	97,772	5	113,486	5	129,200	5	144,911
1/4	5,465	1/4	19,707	1/4	35,280	1/4	50,957	1/4	66,671	1/4	82,385	1/4	98,099	1/4	113,814	1/4	129,528	1/4	145,239
1/2	5,742	1/2	20,025	1/2	35,606	1/2	51,284	1/2	66,999	1/2	82,713	1/2	98,427	1/2	114,141	1/2	129,855	1/2	145,566
3/4	6,019	3/4	20,343	3/4	35,932	3/4	51,612	3/4	67,326	3/4	83,040	3/4	98,754	3/4	114,468	3/4	130,182	3/4	145,893
6	6,296	6	20,661	6	36,258	6	51,939	6	67,653	6	83,367	6	99,082	6	114,796	6	130,510	6	146,221
1/4	6,577	1/4	20,982	1/4	36,585	1/4	52,267	1/4	67,981	1/4	83,695	1/4	99,409	1/4	115,123	1/4	130,837	1/4	146,548
1/2	6,857	1/2	21,303	1/2	36,911	1/2	52,594	1/2	68,308	1/2	84,022	1/2	99,736	1/2	115,450	1/2	131,165	1/2	146,875
3/4	7,138	3/4	21,625	3/4	37,237	3/4	52,921	3/4	68,635	3/4	84,350	3/4	100,064	3/4	115,778	3/4	131,492	3/4	147,202
7	7,418	7	21,946	7	37,563	7	53,249	7	68,963	7	84,677	7	100,391	7	116,105	7	131,819	7	147,530
1/4	7,702	1/4	22,263	1/4	37,889	1/4	53,576	1/4	69,290	1/4	85,004	1/4	100,718	1/4	116,433	1/4	132,147	1/4	147,857
1/2	7,986	1/2	22,581	1/2	38,216	1/2	53,903	1/2	69,618	1/2	85,332	1/2	101,046	1/2	116,760	1/2	132,474	1/2	148,184
3/4	8,270	3/4	22,898	3/4	38,542	3/4	54,231	3/4	69,945	3/4	85,659	3/4	101,373	3/4	117,087	3/4	132,801	3/4	148,512
8	8,554	8	23,215	8	38,868	8	54,558	8	70,272	8	85,986	8	101,701	8	117,415	8	133,129	8	148,839
1/4	8,841	1/4	23,534	1/4	39,194	1/4	54,886	1/4	70,600	1/4	86,314	1/4	102,028	1/4	117,742	1/4	133,456	1/4	149,166
1/2	9,129	1/2	23,852	1/2	39,520	1/2	55,213	1/2	70,927	1/2	86,641	1/2	102,355	1/2	118,070	1/2	133,783	1/2	149,494
3/4	9,416	3/4	24,171	3/4	39,846	3/4	55,540	3/4	71,255	3/4	86,969	3/4	102,683	3/4	118,397	3/4	134,110	3/4	149,821
9	9,703	9	24,489	9	40,173	9	55,868	9	71,582	9	87,296	9	103,010	9	118,724	9	134,438	9	150,148
1/4	9,994	1/4	24,816	1/4	40,499	1/4	56,195	1/4	71,909	1/4	87,623	1/4	103,338	1/4	119,052	1/4	134,765	1/4	150,475
1/2	10,285	1/2	25,142	1/2	40,825	1/2	56,523	1/2	72,237	1/2	87,951	1/2	103,665	1/2	119,379	1/2	135,092	1/2	150,803
3/4	10,576	3/4	25,468	3/4	41,151	3/4	56,850	3/4	72,564	3/4	88,278	3/4	103,992	3/4	119,706	3/4	135,420	3/4	151,130
10	10,866	10	25,794	10	41,477	10	57,177	10	72,891	10	88,606	10	104,320	10	120,034	10	135,747	10	151,457
1/4	11,160	1/4	26,122	1/4	41,804	1/4	57,505	1/4	73,219	1/4	88,933	1/4	104,647	1/4	120,361	1/4	136,074	1/4	151,785
1/2	11,455	1/2	26,449	1/2	42,130	1/2	57,832	1/2	73,546	1/2	89,260	1/2	104,974	1/2	120,689	1/2	136,402	1/2	152,112
3/4	11,749	3/4	26,777	3/4	42,456	3/4	58,159	3/4	73,874	3/4	89,588	3/4	105,302	3/4	121,016	3/4	136,729	3/4	152,439
11	12,043	11	27,104	11	42,782	11	58,487	11	74,201	11	89,915	11	105,629	11	121,343	11	137,056	11	152,767
1/4	12,340	1/4	27,431	1/4	43,109	1/4	58,814	1/4	74,528	1/4	90,242	1/4	105,957	1/4	121,671	1/4	137,383	1/4	153,094
1/2	12,638	1/2	27,759	1/2	43,435	1/2	59,142	1/2	74,856	1/2	90,570	1/2	106,284	1/2	121,998	1/2	137,711	1/2	153,421
3/4	12,936	3/4	28,086	3/4	43,762	3/4	59,469	3/4	75,183	3/4	90,897	3/4	106,611	3/4	122,325	3/4	138,038	3/4	153,748

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 11'-00" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 309"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 3/4"

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	154,076	0	169,786	0	185,424	0	201,047	0	216,582	0		0		0		0		0	
1/4	154,403	1/4	170,113	1/4	185,750	1/4	201,373	1/4	216,896	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,730	1/2	170,441	1/2	186,075	1/2	201,698	1/2	217,209	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,058	3/4	170,768	3/4	186,401	3/4	202,024	3/4	217,523	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	155,385	1	171,095	1	186,726	1	202,349	1	217,836	1	1	1	1	1	1	1	1	1	1
1/4	155,712	1/4	171,423	1/4	187,052	1/4	202,675	1/4	218,109	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,040	1/2	171,750	1/2	187,377	1/2	203,000	1/2	218,382	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,367	3/4	172,077	3/4	187,703	3/4	203,325	3/4	218,656	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	156,694	2	172,405	2	188,028	2	203,651	2	218,929	2	2	2	2	2	2	2	2	2	2
1/4	157,021	1/4	172,730	1/4	188,354	1/4	203,976	1/4	219,149	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,349	1/2	173,056	1/2	188,679	1/2	204,302	1/2	219,368	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,676	3/4	173,382	3/4	189,005	3/4	204,627	3/4	219,588	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	158,003	3	173,707	3	189,330	3	204,953	3	219,808	3	3	3	3	3	3	3	3	3	3
1/4	158,331	1/4	174,033	1/4	189,656	1/4	205,278	1/4	219,973	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,658	1/2	174,358	1/2	189,981	1/2	205,604	1/2	220,138	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,985	3/4	174,684	3/4	190,307	3/4	205,929	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	159,313	4	175,009	4	190,632	4	206,255	4		4	4	4	4	4	4	4	4	4	4
1/4	159,640	1/4	175,335	1/4	190,957	1/4	206,580	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,967	1/2	175,660	1/2	191,283	1/2	206,906	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,294	3/4	175,986	3/4	191,608	3/4	207,231	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	160,622	5	176,311	5	191,934	5	207,557	5		5	5	5	5	5	5	5	5	5	5
1/4	160,949	1/4	176,637	1/4	192,259	1/4	207,882	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,276	1/2	176,962	1/2	192,585	1/2	208,208	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,604	3/4	177,288	3/4	192,910	3/4	208,533	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	161,931	6	177,613	6	193,236	6	208,859	6		6	6	6	6	6	6	6	6	6	6
1/4	162,258	1/4	177,939	1/4	193,561	1/4	209,184	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,586	1/2	178,264	1/2	193,887	1/2	209,509	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,913	3/4	178,589	3/4	194,212	3/4	209,835	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	163,240	7	178,915	7	194,538	7	210,160	7		7	7	7	7	7	7	7	7	7	7
1/4	163,567	1/4	179,240	1/4	194,863	1/4	210,483	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,895	1/2	179,566	1/2	195,189	1/2	210,805	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,222	3/4	179,891	3/4	195,514	3/4	211,128	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	164,549	8	180,217	8	195,840	8	211,450	8		8	8	8	8	8	8	8	8	8	8
1/4	164,877	1/4	180,542	1/4	196,165	1/4	211,772	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,204	1/2	180,868	1/2	196,491	1/2	212,094	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,531	3/4	181,193	3/4	196,816	3/4	212,415	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	165,859	9	181,519	9	197,141	9	212,737	9		9	9	9	9	9	9	9	9	9	9
1/4	166,186	1/4	181,844	1/4	197,467	1/4	213,058	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,513	1/2	182,170	1/2	197,792	1/2	213,380	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,840	3/4	182,495	3/4	198,118	3/4	213,701	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	167,168	10	182,821	10	198,443	10	214,022	10		10	10	10	10	10	10	10	10	10	10
1/4	167,495	1/4	183,146	1/4	198,769	1/4	214,343	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	167,822	1/2	183,472	1/2	199,094	1/2	214,663	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	168,150	3/4	183,797	3/4	199,420	3/4	214,984	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	168,477	11	184,123	11	199,745	11	215,305	11		11	11	11	11	11	11	11	11	11	11
1/4	168,804	1/4	184,448	1/4	200,071	1/4	215,624	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	169,132	1/2	184,773	1/2	200,396	1/2	215,943	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	169,459	3/4	185,099	3/4	200,722	3/4	216,263	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: 01/07/2013 CL - SW
CALCULATED: 01/07/2013 CL
PRINTED: 01/07/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "CBC 309"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

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	592	0	14,998	0	30,141	0	45,105	0	60,170	0	75,313	0	90,457	0	105,601	0	120,745	0	135,887
1/4	780	1/4	15,314	1/4	30,457	1/4	45,414	1/4	60,485	1/4	75,629	1/4	90,773	1/4	105,917	1/4	121,061	1/4	136,203
1/2	967	1/2	15,629	1/2	30,772	1/2	45,723	1/2	60,801	1/2	75,944	1/2	91,088	1/2	106,232	1/2	121,376	1/2	136,518
3/4	1,154	3/4	15,945	3/4	31,088	3/4	46,032	3/4	61,116	3/4	76,260	3/4	91,404	3/4	106,548	3/4	121,692	3/4	136,834
1	1,342	1	16,260	1	31,403	1	46,341	1	61,432	1	76,575	1	91,719	1	106,863	1	122,007	1	137,149
1/4	1,608	1/4	16,576	1/4	31,719	1/4	46,650	1/4	61,747	1/4	76,891	1/4	92,035	1/4	107,179	1/4	122,323	1/4	137,464
1/2	1,874	1/2	16,891	1/2	32,034	1/2	46,959	1/2	62,063	1/2	77,206	1/2	92,350	1/2	107,494	1/2	122,638	1/2	137,780
3/4	2,140	3/4	17,206	3/4	32,350	3/4	47,268	3/4	62,378	3/4	77,522	3/4	92,666	3/4	107,810	3/4	122,954	3/4	138,095
2	2,406	2	17,522	2	32,665	2	47,578	2	62,694	2	77,837	2	92,981	2	108,125	2	123,269	2	138,411
1/4	2,716	1/4	17,837	1/4	32,981	1/4	47,887	1/4	63,009	1/4	78,153	1/4	93,297	1/4	108,441	1/4	123,585	1/4	138,726
1/2	3,025	1/2	18,153	1/2	33,296	1/2	48,196	1/2	63,325	1/2	78,468	1/2	93,612	1/2	108,756	1/2	123,900	1/2	139,042
3/4	3,334	3/4	18,468	3/4	33,612	3/4	48,506	3/4	63,640	3/4	78,784	3/4	93,928	3/4	109,072	3/4	124,215	3/4	139,357
3	3,643	3	18,784	3	33,927	3	48,815	3	63,956	3	79,099	3	94,243	3	109,387	3	124,531	3	139,672
1/4	3,958	1/4	19,099	1/4	34,243	1/4	49,130	1/4	64,271	1/4	79,415	1/4	94,559	1/4	109,703	1/4	124,846	1/4	139,988
1/2	4,273	1/2	19,415	1/2	34,558	1/2	49,444	1/2	64,587	1/2	79,730	1/2	94,874	1/2	110,018	1/2	125,162	1/2	140,303
3/4	4,588	3/4	19,730	3/4	34,874	3/4	49,759	3/4	64,902	3/4	80,046	3/4	95,190	3/4	110,334	3/4	125,477	3/4	140,619
4	4,903	4	20,046	4	35,189	4	50,074	4	65,218	4	80,361	4	95,505	4	110,649	4	125,793	4	140,934
1/4	5,218	1/4	20,361	1/4	35,505	1/4	50,389	1/4	65,533	1/4	80,677	1/4	95,821	1/4	110,965	1/4	126,108	1/4	141,249
1/2	5,534	1/2	20,677	1/2	35,820	1/2	50,705	1/2	65,849	1/2	80,992	1/2	96,136	1/2	111,280	1/2	126,424	1/2	141,565
3/4	5,849	3/4	20,992	3/4	36,136	3/4	51,020	3/4	66,164	3/4	81,308	3/4	96,452	3/4	111,596	3/4	126,739	3/4	141,880
5	6,164	5	21,308	5	36,451	5	51,336	5	66,480	5	81,623	5	96,767	5	111,911	5	127,055	5	142,196
1/4	6,480	1/4	21,623	1/4	36,761	1/4	51,651	1/4	66,795	1/4	81,939	1/4	97,083	1/4	112,227	1/4	127,370	1/4	142,511
1/2	6,795	1/2	21,939	1/2	37,071	1/2	51,967	1/2	67,111	1/2	82,254	1/2	97,398	1/2	112,542	1/2	127,686	1/2	142,827
3/4	7,111	3/4	22,254	3/4	37,381	3/4	52,282	3/4	67,426	3/4	82,570	3/4	97,714	3/4	112,858	3/4	128,001	3/4	143,142
6	7,426	6	22,570	6	37,690	6	52,598	6	67,742	6	82,885	6	98,029	6	113,173	6	128,317	6	143,457
1/4	7,742	1/4	22,885	1/4	37,999	1/4	52,913	1/4	68,057	1/4	83,201	1/4	98,345	1/4	113,489	1/4	128,632	1/4	143,773
1/2	8,057	1/2	23,201	1/2	38,308	1/2	53,229	1/2	68,373	1/2	83,516	1/2	98,660	1/2	113,804	1/2	128,948	1/2	144,088
3/4	8,373	3/4	23,516	3/4	38,617	3/4	53,544	3/4	68,688	3/4	83,832	3/4	98,976	3/4	114,120	3/4	129,263	3/4	144,404
7	8,688	7	23,832	7	38,926	7	53,860	7	69,004	7	84,147	7	99,291	7	114,435	7	129,579	7	144,719
1/4	9,004	1/4	24,147	1/4	39,235	1/4	54,175	1/4	69,319	1/4	84,463	1/4	99,607	1/4	114,751	1/4	129,894	1/4	145,035
1/2	9,319	1/2	24,463	1/2	39,544	1/2	54,491	1/2	69,635	1/2	84,778	1/2	99,922	1/2	115,066	1/2	130,210	1/2	145,350
3/4	9,635	3/4	24,778	3/4	39,853	3/4	54,806	3/4	69,950	3/4	85,094	3/4	100,238	3/4	115,382	3/4	130,525	3/4	145,665
8	9,950	8	25,094	8	40,162	8	55,122	8	70,266	8	85,409	8	100,553	8	115,697	8	130,841	8	145,981
1/4	10,266	1/4	25,409	1/4	40,471	1/4	55,437	1/4	70,581	1/4	85,725	1/4	100,869	1/4	116,013	1/4	131,156	1/4	146,296
1/2	10,581	1/2	25,725	1/2	40,780	1/2	55,753	1/2	70,897	1/2	86,040	1/2	101,184	1/2	116,328	1/2	131,472	1/2	146,612
3/4	10,897	3/4	26,040	3/4	41,089	3/4	56,068	3/4	71,212	3/4	86,356	3/4	101,500	3/4	116,644	3/4	131,787	3/4	146,927
9	11,212	9	26,356	9	41,398	9	56,384	9	71,528	9	86,671	9	101,815	9	116,959	9	132,102	9	147,242
1/4	11,528	1/4	26,671	1/4	41,707	1/4	56,699	1/4	71,843	1/4	86,987	1/4	102,131	1/4	117,275	1/4	132,418	1/4	147,558
1/2	11,843	1/2	26,987	1/2	42,016	1/2	57,015	1/2	72,159	1/2	87,302	1/2	102,446	1/2	117,590	1/2	132,733	1/2	147,873
3/4	12,159	3/4	27,302	3/4	42,324	3/4	57,330	3/4	72,474	3/4	87,618	3/4	102,762	3/4	117,906	3/4	133,049	3/4	148,189
10	12,474	10	27,618	10	42,633	10	57,646	10	72,790	10	87,933	10	103,077	10	118,221	10	133,364	10	148,504
1/4	12,790	1/4	27,933	1/4	42,942	1/4	57,961	1/4	73,105	1/4	88,249	1/4	103,393	1/4	118,537	1/4	133,679	1/4	148,820
1/2	13,105	1/2	28,249	1/2	43,251	1/2	58,277	1/2	73,420	1/2	88,564	1/2	103,708	1/2	118,852	1/2	133,995	1/2	149,135
3/4	13,421	3/4	28,564	3/4	43,560	3/4	58,592	3/4	73,736	3/4	88,880	3/4	104,024	3/4	119,168	3/4	134,310	3/4	149,450
11	13,736	11	28,880	11	43,869	11	58,908	11	74,051	11	89,195	11	104,339	11	119,483	11	134,626	11	149,766
1/4	14,052	1/4	29,195	1/4	44,178	1/4	59,223	1/4	74,367	1/4	89,511	1/4	104,655	1/4	119,799	1/4	134,941	1/4	150,081
1/2	14,367	1/2	29,511	1/2	44,487	1/2	59,539	1/2	74,682	1/2	89,826	1/2	104,970	1/2	120,114	1/2	135,257	1/2	150,397
3/4	14,683	3/4	29,826	3/4	44,796	3/4	59,854	3/4	74,998	3/4	90,142	3/4	105,286	3/4	120,430	3/4	135,572	3/4	150,712

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 11'-00" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "CBC 309"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

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	151,027	0	166,168	0	181,236	0	196,288	0	211,254	0		0		0		0		0	
1/4	151,343	1/4	166,483	1/4	181,549	1/4	196,602	1/4	211,556	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,658	1/2	166,798	1/2	181,863	1/2	196,916	1/2	211,858	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,974	3/4	167,114	3/4	182,177	3/4	197,229	3/4	212,160	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	152,289	1	167,429	1	182,490	1	197,543	1	212,462	1	1	1	1	1	1	1	1	1	1
1/4	152,605	1/4	167,745	1/4	182,804	1/4	197,856	1/4	212,725	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,920	1/2	168,060	1/2	183,117	1/2	198,170	1/2	212,988	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,235	3/4	168,376	3/4	183,431	3/4	198,484	3/4	213,251	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	153,551	2	168,691	2	183,744	2	198,797	2	213,514	2	2	2	2	2	2	2	2	2	2
1/4	153,866	1/4	169,005	1/4	184,058	1/4	199,111	1/4	213,726	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,182	1/2	169,319	1/2	184,372	1/2	199,424	1/2	213,937	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,497	3/4	169,632	3/4	184,685	3/4	199,738	3/4	214,149	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	154,813	3	169,946	3	184,999	3	200,051	3	214,361	3	3	3	3	3	3	3	3	3	3
1/4	155,128	1/4	170,260	1/4	185,312	1/4	200,365	1/4	214,520	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,443	1/2	170,573	1/2	185,626	1/2	200,679	1/2	214,679	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,759	3/4	170,887	3/4	185,940	3/4	200,992	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	156,074	4	171,201	4	186,253	4	201,306	4		4	4	4	4	4	4	4	4	4	4
1/4	156,390	1/4	171,514	1/4	186,567	1/4	201,619	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,705	1/2	171,828	1/2	186,880	1/2	201,933	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,020	3/4	172,141	3/4	187,194	3/4	202,247	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	157,336	5	172,455	5	187,508	5	202,560	5		5	5	5	5	5	5	5	5	5	5
1/4	157,651	1/4	172,769	1/4	187,821	1/4	202,874	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,967	1/2	173,082	1/2	188,135	1/2	203,187	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,282	3/4	173,396	3/4	188,448	3/4	203,501	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	158,598	6	173,709	6	188,762	6	203,815	6		6	6	6	6	6	6	6	6	6	6
1/4	158,913	1/4	174,023	1/4	189,076	1/4	204,128	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,228	1/2	174,337	1/2	189,389	1/2	204,442	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,544	3/4	174,650	3/4	189,703	3/4	204,755	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	159,859	7	174,964	7	190,016	7	205,069	7		7	7	7	7	7	7	7	7	7	7
1/4	160,175	1/4	175,277	1/4	190,330	1/4	205,380	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,490	1/2	175,591	1/2	190,644	1/2	205,690	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,805	3/4	175,905	3/4	190,957	3/4	206,001	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	161,121	8	176,218	8	191,271	8	206,311	8		8	8	8	8	8	8	8	8	8	8
1/4	161,436	1/4	176,532	1/4	191,584	1/4	206,621	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,752	1/2	176,845	1/2	191,898	1/2	206,931	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,067	3/4	177,159	3/4	192,212	3/4	207,241	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	162,383	9	177,473	9	192,525	9	207,551	9		9	9	9	9	9	9	9	9	9	9
1/4	162,698	1/4	177,786	1/4	192,839	1/4	207,860	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,013	1/2	178,100	1/2	193,152	1/2	208,170	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,329	3/4	178,413	3/4	193,466	3/4	208,479	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	163,644	10	178,727	10	193,780	10	208,789	10		10	10	10	10	10	10	10	10	10	10
1/4	163,960	1/4	179,041	1/4	194,093	1/4	209,097	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,275	1/2	179,354	1/2	194,407	1/2	209,406	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,591	3/4	179,668	3/4	194,720	3/4	209,715	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	164,906	11	179,981	11	195,034	11	210,024	11		11	11	11	11	11	11	11	11	11	11
1/4	165,221	1/4	180,295	1/4	195,348	1/4	210,331	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,537	1/2	180,609	1/2	195,661	1/2	210,639	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,852	3/4	180,922	3/4	195,975	3/4	210,946	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: 01/07/2013 CL - SW
CALCULATED: 01/07/2013 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

PRECISION MEASUREMENT
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<http://www.pmacorp.net>



BARGE "CBC 309"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 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	592	0	14,996	0	30,138	0	44,994	0	60,084	0	75,225	0	90,367	0	105,509	0	120,651	0	135,792
1/4	780	1/4	15,312	1/4	30,453	1/4	45,301	1/4	60,399	1/4	75,541	1/4	90,683	1/4	105,825	1/4	120,967	1/4	136,107
1/2	967	1/2	15,627	1/2	30,769	1/2	45,608	1/2	60,714	1/2	75,856	1/2	90,998	1/2	106,140	1/2	121,282	1/2	136,423
3/4	1,154	3/4	15,943	3/4	31,084	3/4	45,915	3/4	61,030	3/4	76,172	3/4	91,314	3/4	106,456	3/4	121,598	3/4	136,738
1	1,342	1	16,258	1	31,400	1	46,223	1	61,345	1	76,487	1	91,629	1	106,771	1	121,913	1	137,053
1/4	1,608	1/4	16,573	1/4	31,715	1/4	46,535	1/4	61,661	1/4	76,803	1/4	91,945	1/4	107,087	1/4	122,229	1/4	137,369
1/2	1,874	1/2	16,889	1/2	32,030	1/2	46,848	1/2	61,976	1/2	77,118	1/2	92,260	1/2	107,402	1/2	122,544	1/2	137,684
3/4	2,140	3/4	17,204	3/4	32,346	3/4	47,161	3/4	62,292	3/4	77,434	3/4	92,576	3/4	107,718	3/4	122,860	3/4	138,000
2	2,406	2	17,520	2	32,661	2	47,474	2	62,607	2	77,749	2	92,891	2	108,033	2	123,175	2	138,315
1/4	2,715	1/4	17,835	1/4	32,977	1/4	47,787	1/4	62,923	1/4	78,065	1/4	93,207	1/4	108,349	1/4	123,491	1/4	138,630
1/2	3,024	1/2	18,151	1/2	33,292	1/2	48,101	1/2	63,238	1/2	78,380	1/2	93,522	1/2	108,664	1/2	123,806	1/2	138,946
3/4	3,334	3/4	18,466	3/4	33,608	3/4	48,414	3/4	63,554	3/4	78,696	3/4	93,838	3/4	108,980	3/4	124,122	3/4	139,261
3	3,643	3	18,782	3	33,923	3	48,728	3	63,869	3	79,011	3	94,153	3	109,295	3	124,437	3	139,576
1/4	3,958	1/4	19,097	1/4	34,232	1/4	49,043	1/4	64,184	1/4	79,326	1/4	94,468	1/4	109,610	1/4	124,752	1/4	139,892
1/2	4,273	1/2	19,413	1/2	34,541	1/2	49,358	1/2	64,500	1/2	79,642	1/2	94,784	1/2	109,926	1/2	125,068	1/2	140,207
3/4	4,587	3/4	19,728	3/4	34,850	3/4	49,674	3/4	64,815	3/4	79,957	3/4	95,099	3/4	110,241	3/4	125,383	3/4	140,523
4	4,902	4	20,043	4	35,159	4	49,989	4	65,131	4	80,273	4	95,415	4	110,557	4	125,699	4	140,838
1/4	5,218	1/4	20,359	1/4	35,467	1/4	50,304	1/4	65,446	1/4	80,588	1/4	95,730	1/4	110,872	1/4	126,014	1/4	141,153
1/2	5,533	1/2	20,674	1/2	35,775	1/2	50,620	1/2	65,762	1/2	80,904	1/2	96,046	1/2	111,188	1/2	126,330	1/2	141,469
3/4	5,848	3/4	20,990	3/4	36,083	3/4	50,935	3/4	66,077	3/4	81,219	3/4	96,361	3/4	111,503	3/4	126,645	3/4	141,784
5	6,164	5	21,305	5	36,391	5	51,251	5	66,393	5	81,535	5	96,677	5	111,819	5	126,961	5	142,100
1/4	6,479	1/4	21,621	1/4	36,698	1/4	51,566	1/4	66,708	1/4	81,850	1/4	96,992	1/4	112,134	1/4	127,276	1/4	142,415
1/2	6,795	1/2	21,936	1/2	37,005	1/2	51,882	1/2	67,024	1/2	82,166	1/2	97,308	1/2	112,450	1/2	127,592	1/2	142,730
3/4	7,110	3/4	22,252	3/4	37,313	3/4	52,197	3/4	67,339	3/4	82,481	3/4	97,623	3/4	112,765	3/4	127,907	3/4	143,046
6	7,425	6	22,567	6	37,620	6	52,513	6	67,654	6	82,796	6	97,938	6	113,080	6	128,222	6	143,361
1/4	7,741	1/4	22,882	1/4	37,927	1/4	52,828	1/4	67,970	1/4	83,112	1/4	98,254	1/4	113,396	1/4	128,538	1/4	143,676
1/2	8,056	1/2	23,198	1/2	38,234	1/2	53,143	1/2	68,285	1/2	83,427	1/2	98,569	1/2	113,711	1/2	128,853	1/2	143,992
3/4	8,372	3/4	23,513	3/4	38,542	3/4	53,459	3/4	68,601	3/4	83,743	3/4	98,885	3/4	114,027	3/4	129,169	3/4	144,307
7	8,687	7	23,829	7	38,849	7	53,774	7	68,916	7	84,058	7	99,200	7	114,342	7	129,484	7	144,623
1/4	9,003	1/4	24,144	1/4	39,156	1/4	54,090	1/4	69,232	1/4	84,374	1/4	99,516	1/4	114,658	1/4	129,800	1/4	144,938
1/2	9,318	1/2	24,460	1/2	39,463	1/2	54,405	1/2	69,547	1/2	84,689	1/2	99,831	1/2	114,973	1/2	130,115	1/2	145,253
3/4	9,634	3/4	24,775	3/4	39,771	3/4	54,721	3/4	69,863	3/4	85,005	3/4	100,147	3/4	115,289	3/4	130,430	3/4	145,569
8	9,949	8	25,091	8	40,078	8	55,036	8	70,178	8	85,320	8	100,462	8	115,604	8	130,746	8	145,884
1/4	10,264	1/4	25,406	1/4	40,385	1/4	55,352	1/4	70,494	1/4	85,636	1/4	100,778	1/4	115,920	1/4	131,061	1/4	146,199
1/2	10,580	1/2	25,721	1/2	40,692	1/2	55,667	1/2	70,809	1/2	85,951	1/2	101,093	1/2	116,235	1/2	131,377	1/2	146,515
3/4	10,895	3/4	26,037	3/4	41,000	3/4	55,983	3/4	71,125	3/4	86,267	3/4	101,409	3/4	116,551	3/4	131,692	3/4	146,830
9	11,211	9	26,352	9	41,307	9	56,298	9	71,440	9	86,582	9	101,724	9	116,866	9	132,007	9	147,146
1/4	11,526	1/4	26,668	1/4	41,614	1/4	56,613	1/4	71,755	1/4	86,897	1/4	102,039	1/4	117,181	1/4	132,323	1/4	147,461
1/2	11,842	1/2	26,983	1/2	41,921	1/2	56,929	1/2	72,071	1/2	87,213	1/2	102,355	1/2	117,497	1/2	132,638	1/2	147,776
3/4	12,157	3/4	27,299	3/4	42,229	3/4	57,244	3/4	72,386	3/4	87,528	3/4	102,670	3/4	117,812	3/4	132,954	3/4	148,092
10	12,473	10	27,614	10	42,536	10	57,560	10	72,702	10	87,844	10	102,986	10	118,128	10	133,269	10	148,407
1/4	12,788	1/4	27,930	1/4	42,843	1/4	57,875	1/4	73,017	1/4	88,159	1/4	103,301	1/4	118,443	1/4	133,584	1/4	148,723
1/2	13,104	1/2	28,245	1/2	43,150	1/2	58,191	1/2	73,333	1/2	88,475	1/2	103,617	1/2	118,759	1/2	133,900	1/2	149,038
3/4	13,419	3/4	28,561	3/4	43,457	3/4	58,506	3/4	73,648	3/4	88,790	3/4	103,932	3/4	119,074	3/4	134,215	3/4	149,353
11	13,734	11	28,876	11	43,765	11	58,822	11	73,964	11	89,106	11	104,248	11	119,390	11	134,530	11	149,669
1/4	14,050	1/4	29,191	1/4	44,072	1/4	59,137	1/4	74,279	1/4	89,421	1/4	104,563	1/4	119,705	1/4	134,846	1/4	149,984
1/2	14,365	1/2	29,507	1/2	44,379	1/2	59,453	1/2	74,595	1/2	89,737	1/2	104,879	1/2	120,021	1/2	135,161	1/2	150,299
3/4	14,681	3/4	29,822	3/4	44,686	3/4	59,768	3/4	74,910	3/4	90,052	3/4	105,194	3/4	120,336	3/4	135,477	3/4	150,615

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 11'-00" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 309"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 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	150,930	0	166,068	0	181,135	0	196,185	0	211,149	0		0		0		0		0	
1/4	151,246	1/4	166,384	1/4	181,448	1/4	196,499	1/4	211,451	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,561	1/2	166,699	1/2	181,762	1/2	196,813	1/2	211,753	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,876	3/4	167,015	3/4	182,075	3/4	197,126	3/4	212,055	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	152,192	1	167,330	1	182,389	1	197,440	1	212,357	1	1	1	1	1	1	1	1	1	1
1/4	152,507	1/4	167,645	1/4	182,702	1/4	197,753	1/4	212,620	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,822	1/2	167,961	1/2	183,016	1/2	198,067	1/2	212,883	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,138	3/4	168,276	3/4	183,330	3/4	198,380	3/4	213,146	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	153,453	2	168,591	2	183,643	2	198,694	2	213,409	2	2	2	2	2	2	2	2	2	2
1/4	153,769	1/4	168,905	1/4	183,957	1/4	199,008	1/4	213,621	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,084	1/2	169,219	1/2	184,270	1/2	199,321	1/2	213,832	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,399	3/4	169,533	3/4	184,584	3/4	199,635	3/4	214,044	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	154,715	3	169,847	3	184,897	3	199,948	3	214,256	3	3	3	3	3	3	3	3	3	3
1/4	155,030	1/4	170,160	1/4	185,211	1/4	200,262	1/4	214,415	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,345	1/2	170,474	1/2	185,525	1/2	200,575	1/2	214,574	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,661	3/4	170,787	3/4	185,838	3/4	200,889	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	155,976	4	171,101	4	186,152	4	201,202	4		4	4	4	4	4	4	4	4	4	4
1/4	156,292	1/4	171,414	1/4	186,465	1/4	201,516	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,607	1/2	171,728	1/2	186,779	1/2	201,830	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,922	3/4	172,042	3/4	187,092	3/4	202,143	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	157,238	5	172,355	5	187,406	5	202,457	5		5	5	5	5	5	5	5	5	5	5
1/4	157,553	1/4	172,669	1/4	187,719	1/4	202,770	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,869	1/2	172,982	1/2	188,033	1/2	203,084	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,184	3/4	173,296	3/4	188,347	3/4	203,397	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	158,499	6	173,609	6	188,660	6	203,711	6		6	6	6	6	6	6	6	6	6	6
1/4	158,815	1/4	173,923	1/4	188,974	1/4	204,024	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,130	1/2	174,236	1/2	189,287	1/2	204,338	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,445	3/4	174,550	3/4	189,601	3/4	204,652	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	159,761	7	174,864	7	189,914	7	204,965	7		7	7	7	7	7	7	7	7	7	7
1/4	160,076	1/4	175,177	1/4	190,228	1/4	205,276	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,392	1/2	175,491	1/2	190,541	1/2	205,586	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,707	3/4	175,804	3/4	190,855	3/4	205,897	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	161,022	8	176,118	8	191,169	8	206,207	8		8	8	8	8	8	8	8	8	8	8
1/4	161,338	1/4	176,431	1/4	191,482	1/4	206,517	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,653	1/2	176,745	1/2	191,796	1/2	206,827	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,968	3/4	177,058	3/4	192,109	3/4	207,137	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	162,284	9	177,372	9	192,423	9	207,446	9		9	9	9	9	9	9	9	9	9	9
1/4	162,599	1/4	177,686	1/4	192,736	1/4	207,756	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,915	1/2	177,999	1/2	193,050	1/2	208,065	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,230	3/4	178,313	3/4	193,363	3/4	208,375	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	163,545	10	178,626	10	193,677	10	208,684	10		10	10	10	10	10	10	10	10	10	10
1/4	163,861	1/4	178,940	1/4	193,991	1/4	208,993	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,176	1/2	179,253	1/2	194,304	1/2	209,302	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,492	3/4	179,567	3/4	194,618	3/4	209,610	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	164,807	11	179,880	11	194,931	11	209,919	11		11	11	11	11	11	11	11	11	11	11
1/4	165,122	1/4	180,194	1/4	195,245	1/4	210,227	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,438	1/2	180,508	1/2	195,558	1/2	210,534	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,753	3/4	180,821	3/4	195,872	3/4	210,842	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: 01/07/2013 CL - SW
CALCULATED: 01/07/2013 CL
PRINTED: 01/07/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "CBC 309"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 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	611	0	15,474	0	31,091	0	46,434	0	61,852	0	77,435	0	93,016	0	108,547	0	124,116	0	139,687
1/4	804	1/4	15,800	1/4	31,416	1/4	46,750	1/4	62,177	1/4	77,760	1/4	93,340	1/4	108,871	1/4	124,440	1/4	140,011
1/2	997	1/2	16,125	1/2	31,740	1/2	47,067	1/2	62,501	1/2	78,085	1/2	93,663	1/2	109,195	1/2	124,764	1/2	140,336
3/4	1,190	3/4	16,451	3/4	32,065	3/4	47,383	3/4	62,826	3/4	78,409	3/4	93,987	3/4	109,520	3/4	125,089	3/4	140,660
1	1,384	1	16,776	1	32,389	1	47,699	1	63,151	1	78,734	1	94,310	1	109,844	1	125,413	1	140,984
1/4	1,658	1/4	17,102	1/4	32,714	1/4	48,015	1/4	63,475	1/4	79,059	1/4	94,634	1/4	110,168	1/4	125,738	1/4	141,309
1/2	1,933	1/2	17,427	1/2	33,038	1/2	48,332	1/2	63,800	1/2	79,383	1/2	94,957	1/2	110,492	1/2	126,062	1/2	141,633
3/4	2,208	3/4	17,753	3/4	33,363	3/4	48,648	3/4	64,125	3/4	79,708	3/4	95,281	3/4	110,816	3/4	126,386	3/4	141,957
2	2,482	2	18,078	2	33,687	2	48,965	2	64,449	2	80,033	2	95,605	2	111,140	2	126,711	2	142,282
1/4	2,801	1/4	18,404	1/4	34,012	1/4	49,281	1/4	64,774	1/4	80,357	1/4	95,928	1/4	111,464	1/4	127,035	1/4	142,606
1/2	3,120	1/2	18,729	1/2	34,336	1/2	49,598	1/2	65,099	1/2	80,682	1/2	96,252	1/2	111,789	1/2	127,360	1/2	142,931
3/4	3,439	3/4	19,055	3/4	34,661	3/4	49,914	3/4	65,423	3/4	81,007	3/4	96,575	3/4	112,113	3/4	127,684	3/4	143,255
3	3,758	3	19,380	3	34,985	3	50,231	3	65,748	3	81,331	3	96,899	3	112,437	3	128,009	3	143,579
1/4	4,083	1/4	19,706	1/4	35,310	1/4	50,547	1/4	66,073	1/4	81,656	1/4	97,222	1/4	112,761	1/4	128,333	1/4	143,904
1/2	4,408	1/2	20,031	1/2	35,634	1/2	50,864	1/2	66,397	1/2	81,981	1/2	97,546	1/2	113,086	1/2	128,657	1/2	144,228
3/4	4,733	3/4	20,357	3/4	35,959	3/4	51,181	3/4	66,722	3/4	82,305	3/4	97,870	3/4	113,410	3/4	128,982	3/4	144,552
4	5,058	4	20,682	4	36,283	4	51,498	4	67,046	4	82,630	4	98,193	4	113,734	4	129,306	4	144,877
1/4	5,384	1/4	21,008	1/4	36,608	1/4	51,814	1/4	67,371	1/4	82,955	1/4	98,517	1/4	114,059	1/4	129,631	1/4	145,201
1/2	5,709	1/2	21,334	1/2	36,933	1/2	52,131	1/2	67,695	1/2	83,279	1/2	98,840	1/2	114,383	1/2	129,955	1/2	145,524
3/4	6,034	3/4	21,659	3/4	37,257	3/4	52,448	3/4	68,020	3/4	83,604	3/4	99,164	3/4	114,708	3/4	130,279	3/4	145,848
5	6,360	5	21,985	5	37,582	5	52,765	5	68,344	5	83,929	5	99,487	5	115,032	5	130,604	5	146,172
1/4	6,685	1/4	22,310	1/4	37,898	1/4	53,088	1/4	68,669	1/4	84,254	1/4	99,811	1/4	115,356	1/4	130,928	1/4	146,495
1/2	7,011	1/2	22,636	1/2	38,215	1/2	53,412	1/2	68,994	1/2	84,578	1/2	100,135	1/2	115,681	1/2	131,253	1/2	146,819
3/4	7,336	3/4	22,961	3/4	38,532	3/4	53,736	3/4	69,318	3/4	84,903	3/4	100,458	3/4	116,005	3/4	131,577	3/4	147,142
6	7,662	6	23,287	6	38,849	6	54,060	6	69,643	6	85,228	6	100,782	6	116,330	6	131,901	6	147,466
1/4	7,987	1/4	23,612	1/4	39,165	1/4	54,384	1/4	69,968	1/4	85,552	1/4	101,105	1/4	116,654	1/4	132,226	1/4	147,789
1/2	8,313	1/2	23,938	1/2	39,481	1/2	54,709	1/2	70,292	1/2	85,877	1/2	101,429	1/2	116,979	1/2	132,550	1/2	148,112
3/4	8,638	3/4	24,263	3/4	39,797	3/4	55,034	3/4	70,617	3/4	86,202	3/4	101,752	3/4	117,303	3/4	132,875	3/4	148,436
7	8,964	7	24,589	7	40,113	7	55,358	7	70,942	7	86,526	7	102,076	7	117,627	7	133,199	7	148,759
1/4	9,289	1/4	24,914	1/4	40,429	1/4	55,683	1/4	71,266	1/4	86,851	1/4	102,400	1/4	117,952	1/4	133,523	1/4	149,082
1/2	9,615	1/2	25,240	1/2	40,745	1/2	56,008	1/2	71,591	1/2	87,176	1/2	102,723	1/2	118,276	1/2	133,848	1/2	149,406
3/4	9,940	3/4	25,565	3/4	41,061	3/4	56,332	3/4	71,916	3/4	87,500	3/4	103,047	3/4	118,601	3/4	134,172	3/4	149,729
8	10,266	8	25,891	8	41,377	8	56,657	8	72,240	8	87,825	8	103,370	8	118,925	8	134,497	8	150,052
1/4	10,591	1/4	26,216	1/4	41,693	1/4	56,982	1/4	72,565	1/4	88,150	1/4	103,694	1/4	119,249	1/4	134,821	1/4	150,375
1/2	10,917	1/2	26,542	1/2	42,009	1/2	57,306	1/2	72,890	1/2	88,474	1/2	104,017	1/2	119,574	1/2	135,145	1/2	150,698
3/4	11,242	3/4	26,867	3/4	42,325	3/4	57,631	3/4	73,214	3/4	88,799	3/4	104,341	3/4	119,898	3/4	135,470	3/4	151,021
9	11,568	9	27,193	9	42,641	9	57,956	9	73,539	9	89,124	9	104,665	9	120,223	9	135,794	9	151,344
1/4	11,894	1/4	27,518	1/4	42,957	1/4	58,280	1/4	73,864	1/4	89,448	1/4	104,988	1/4	120,547	1/4	136,119	1/4	151,666
1/2	12,219	1/2	27,844	1/2	43,274	1/2	58,605	1/2	74,188	1/2	89,773	1/2	105,311	1/2	120,871	1/2	136,443	1/2	151,987
3/4	12,545	3/4	28,169	3/4	43,590	3/4	58,930	3/4	74,513	3/4	90,098	3/4	105,635	3/4	121,196	3/4	136,767	3/4	152,309
10	12,870	10	28,495	10	43,906	10	59,254	10	74,838	10	90,422	10	105,958	10	121,520	10	137,092	10	152,630
1/4	13,196	1/4	28,820	1/4	44,222	1/4	59,579	1/4	75,163	1/4	90,747	1/4	106,281	1/4	121,845	1/4	137,416	1/4	152,943
1/2	13,521	1/2	29,144	1/2	44,538	1/2	59,904	1/2	75,487	1/2	91,072	1/2	106,604	1/2	122,169	1/2	137,740	1/2	153,255
3/4	13,847	3/4	29,469	3/4	44,854	3/4	60,228	3/4	75,812	3/4	91,396	3/4	106,928	3/4	122,494	3/4	138,065	3/4	153,567
11	14,172	11	29,793	11	45,170	11	60,553	11	76,137	11	91,721	11	107,251	11	122,818	11	138,389	11	153,880
1/4	14,498	1/4	30,118	1/4	45,486	1/4	60,878	1/4	76,461	1/4	92,045	1/4	107,575	1/4	123,142	1/4	138,714	1/4	154,180
1/2	14,823	1/2	30,442	1/2	45,802	1/2	61,202	1/2	76,786	1/2	92,369	1/2	107,899	1/2	123,467	1/2	139,038	1/2	154,480
3/4	15,149	3/4	30,767	3/4	46,118	3/4	61,527	3/4	77,111	3/4	92,692	3/4	108,223	3/4	123,791	3/4	139,362	3/4	154,780

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 11'-00" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 309"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 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	155,080	0	167,391	0	179,337	0	191,272	0	203,139	0		0		0		0		0	
1/4	155,368	1/4	167,641	1/4	179,586	1/4	191,520	1/4	203,378	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,655	1/2	167,891	1/2	179,834	1/2	191,769	1/2	203,618	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,942	3/4	168,141	3/4	180,083	3/4	192,018	3/4	203,857	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	156,230	1	168,391	1	180,332	1	192,266	1	204,097	1	1	1	1	1	1	1	1	1	1
1/4	156,505	1/4	168,641	1/4	180,580	1/4	192,515	1/4	204,305	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,780	1/2	168,891	1/2	180,829	1/2	192,763	1/2	204,514	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,055	3/4	169,141	3/4	181,077	3/4	193,012	3/4	204,723	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	157,330	2	169,391	2	181,326	2	193,261	2	204,931	2	2	2	2	2	2	2	2	2	2
1/4	157,592	1/4	169,640	1/4	181,575	1/4	193,509	1/4	205,099	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,854	1/2	169,888	1/2	181,823	1/2	193,758	1/2	205,267	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,116	3/4	170,137	3/4	182,072	3/4	194,007	3/4	205,435	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	158,379	3	170,386	3	182,321	3	194,255	3	205,603	3	3	3	3	3	3	3	3	3	3
1/4	158,632	1/4	170,635	1/4	182,569	1/4	194,504	1/4	205,729	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,884	1/2	170,883	1/2	182,818	1/2	194,753	1/2	205,855	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,137	3/4	171,132	3/4	183,067	3/4	195,001	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	159,390	4	171,381	4	183,315	4	195,250	4		4	4	4	4	4	4	4	4	4	4
1/4	159,640	1/4	171,629	1/4	183,564	1/4	195,499	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,890	1/2	171,878	1/2	183,812	1/2	195,747	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,140	3/4	172,126	3/4	184,061	3/4	195,996	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	160,390	5	172,375	5	184,310	5	196,244	5		5	5	5	5	5	5	5	5	5	5
1/4	160,641	1/4	172,624	1/4	184,558	1/4	196,493	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,891	1/2	172,872	1/2	184,807	1/2	196,742	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,141	3/4	173,121	3/4	185,056	3/4	196,990	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	161,391	6	173,370	6	185,304	6	197,239	6		6	6	6	6	6	6	6	6	6	6
1/4	161,641	1/4	173,618	1/4	185,553	1/4	197,488	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,891	1/2	173,867	1/2	185,802	1/2	197,736	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,141	3/4	174,116	3/4	186,050	3/4	197,985	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	162,391	7	174,364	7	186,299	7	198,234	7		7	7	7	7	7	7	7	7	7	7
1/4	162,641	1/4	174,613	1/4	186,548	1/4	198,480	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,891	1/2	174,862	1/2	186,796	1/2	198,726	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,141	3/4	175,110	3/4	187,045	3/4	198,972	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	163,391	8	175,359	8	187,293	8	199,219	8		8	8	8	8	8	8	8	8	8	8
1/4	163,641	1/4	175,607	1/4	187,542	1/4	199,464	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,891	1/2	175,856	1/2	187,791	1/2	199,710	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,141	3/4	176,105	3/4	188,039	3/4	199,956	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	164,391	9	176,353	9	188,288	9	200,202	9		9	9	9	9	9	9	9	9	9	9
1/4	164,641	1/4	176,602	1/4	188,537	1/4	200,447	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,891	1/2	176,851	1/2	188,785	1/2	200,693	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,141	3/4	177,099	3/4	189,034	3/4	200,938	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	165,391	10	177,348	10	189,283	10	201,184	10		10	10	10	10	10	10	10	10	10	10
1/4	165,641	1/4	177,597	1/4	189,531	1/4	201,428	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,891	1/2	177,845	1/2	189,780	1/2	201,673	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,141	3/4	178,094	3/4	190,028	3/4	201,918	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	166,391	11	178,342	11	190,277	11	202,163	11		11	11	11	11	11	11	11	11	11	11
1/4	166,641	1/4	178,591	1/4	190,526	1/4	202,407	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,891	1/2	178,840	1/2	190,774	1/2	202,651	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	167,141	3/4	179,088	3/4	191,023	3/4	202,895	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: 01/07/2013 CL - SW
CALCULATED: 01/07/2013 CL
PRINTED: 01/07/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "CBC 309"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 3/4"

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	611	0	15,477	0	31,096	0	46,248	0	61,536	0	77,121	0	92,705	0	108,238	0	123,809	0	139,383
1/4	804	1/4	15,802	1/4	31,421	1/4	46,558	1/4	61,860	1/4	77,446	1/4	93,028	1/4	108,562	1/4	124,133	1/4	139,707
1/2	997	1/2	16,128	1/2	31,745	1/2	46,867	1/2	62,185	1/2	77,771	1/2	93,352	1/2	108,887	1/2	124,458	1/2	140,031
3/4	1,191	3/4	16,453	3/4	32,070	3/4	47,176	3/4	62,510	3/4	78,096	3/4	93,675	3/4	109,211	3/4	124,782	3/4	140,356
1	1,384	1	16,779	1	32,394	1	47,485	1	62,834	1	78,420	1	93,999	1	109,535	1	125,107	1	140,680
1/4	1,659	1/4	17,104	1/4	32,719	1/4	47,795	1/4	63,159	1/4	78,745	1/4	94,323	1/4	109,859	1/4	125,431	1/4	141,005
1/2	1,933	1/2	17,430	1/2	33,044	1/2	48,104	1/2	63,484	1/2	79,070	1/2	94,646	1/2	110,183	1/2	125,756	1/2	141,329
3/4	2,208	3/4	17,756	3/4	33,368	3/4	48,414	3/4	63,809	3/4	79,395	3/4	94,970	3/4	110,508	3/4	126,080	3/4	141,654
2	2,483	2	18,081	2	33,693	2	48,724	2	64,133	2	79,719	2	95,294	2	110,832	2	126,405	2	141,978
1/4	2,802	1/4	18,407	1/4	34,017	1/4	49,034	1/4	64,458	1/4	80,044	1/4	95,617	1/4	111,156	1/4	126,729	1/4	142,302
1/2	3,121	1/2	18,732	1/2	34,342	1/2	49,344	1/2	64,783	1/2	80,369	1/2	95,941	1/2	111,480	1/2	127,054	1/2	142,627
3/4	3,440	3/4	19,058	3/4	34,666	3/4	49,654	3/4	65,108	3/4	80,693	3/4	96,264	3/4	111,804	3/4	127,378	3/4	142,951
3	3,759	3	19,383	3	34,991	3	49,965	3	65,432	3	81,018	3	96,588	3	112,129	3	127,703	3	143,276
1/4	4,084	1/4	19,709	1/4	35,315	1/4	50,275	1/4	65,757	1/4	81,343	1/4	96,912	1/4	112,453	1/4	128,027	1/4	143,600
1/2	4,409	1/2	20,035	1/2	35,640	1/2	50,586	1/2	66,082	1/2	81,668	1/2	97,235	1/2	112,777	1/2	128,351	1/2	143,925
3/4	4,734	3/4	20,360	3/4	35,965	3/4	50,897	3/4	66,406	3/4	81,992	3/4	97,559	3/4	113,102	3/4	128,676	3/4	144,249
4	5,059	4	20,686	4	36,289	4	51,207	4	66,731	4	82,317	4	97,883	4	113,426	4	129,000	4	144,574
1/4	5,384	1/4	21,011	1/4	36,613	1/4	51,518	1/4	67,055	1/4	82,642	1/4	98,206	1/4	113,751	1/4	129,325	1/4	144,897
1/2	5,710	1/2	21,337	1/2	36,937	1/2	51,829	1/2	67,380	1/2	82,967	1/2	98,530	1/2	114,075	1/2	129,649	1/2	145,221
3/4	6,035	3/4	21,662	3/4	37,261	3/4	52,139	3/4	67,705	3/4	83,291	3/4	98,853	3/4	114,400	3/4	129,974	3/4	145,545
5	6,361	5	21,988	5	37,585	5	52,450	5	68,029	5	83,616	5	99,177	5	114,724	5	130,298	5	145,868
1/4	6,686	1/4	22,314	1/4	37,895	1/4	52,773	1/4	68,354	1/4	83,941	1/4	99,501	1/4	115,049	1/4	130,623	1/4	146,192
1/2	7,012	1/2	22,639	1/2	38,206	1/2	53,096	1/2	68,679	1/2	84,265	1/2	99,824	1/2	115,373	1/2	130,947	1/2	146,516
3/4	7,337	3/4	22,965	3/4	38,517	3/4	53,419	3/4	69,003	3/4	84,590	3/4	100,148	3/4	115,697	3/4	131,272	3/4	146,839
6	7,663	6	23,290	6	38,827	6	53,742	6	69,328	6	84,915	6	100,472	6	116,022	6	131,596	6	147,163
1/4	7,989	1/4	23,616	1/4	39,137	1/4	54,067	1/4	69,653	1/4	85,240	1/4	100,795	1/4	116,346	1/4	131,921	1/4	147,486
1/2	8,314	1/2	23,941	1/2	39,446	1/2	54,392	1/2	69,977	1/2	85,564	1/2	101,119	1/2	116,671	1/2	132,245	1/2	147,810
3/4	8,640	3/4	24,267	3/4	39,755	3/4	54,716	3/4	70,302	3/4	85,889	3/4	101,442	3/4	116,995	3/4	132,569	3/4	148,133
7	8,965	7	24,593	7	40,064	7	55,041	7	70,627	7	86,214	7	101,766	7	117,320	7	132,894	7	148,456
1/4	9,291	1/4	24,918	1/4	40,373	1/4	55,366	1/4	70,952	1/4	86,539	1/4	102,090	1/4	117,644	1/4	133,218	1/4	148,780
1/2	9,616	1/2	25,244	1/2	40,682	1/2	55,690	1/2	71,276	1/2	86,863	1/2	102,413	1/2	117,969	1/2	133,543	1/2	149,103
3/4	9,942	3/4	25,569	3/4	40,992	3/4	56,015	3/4	71,601	3/4	87,188	3/4	102,737	3/4	118,293	3/4	133,867	3/4	149,426
8	10,268	8	25,895	8	41,301	8	56,340	8	71,926	8	87,513	8	103,061	8	118,618	8	134,192	8	149,750
1/4	10,593	1/4	26,220	1/4	41,610	1/4	56,665	1/4	72,250	1/4	87,837	1/4	103,384	1/4	118,942	1/4	134,516	1/4	150,073
1/2	10,919	1/2	26,546	1/2	41,919	1/2	56,989	1/2	72,575	1/2	88,162	1/2	103,708	1/2	119,267	1/2	134,841	1/2	150,396
3/4	11,244	3/4	26,871	3/4	42,229	3/4	57,314	3/4	72,900	3/4	88,487	3/4	104,031	3/4	119,591	3/4	135,165	3/4	150,719
9	11,570	9	27,197	9	42,538	9	57,639	9	73,225	9	88,812	9	104,355	9	119,915	9	135,489	9	151,042
1/4	11,895	1/4	27,523	1/4	42,847	1/4	57,964	1/4	73,549	1/4	89,136	1/4	104,678	1/4	120,240	1/4	135,814	1/4	151,363
1/2	12,221	1/2	27,848	1/2	43,156	1/2	58,288	1/2	73,874	1/2	89,461	1/2	105,002	1/2	120,564	1/2	136,138	1/2	151,685
3/4	12,547	3/4	28,174	3/4	43,465	3/4	58,613	3/4	74,199	3/4	89,786	3/4	105,325	3/4	120,889	3/4	136,463	3/4	152,007
10	12,872	10	28,499	10	43,775	10	58,938	10	74,524	10	90,111	10	105,648	10	121,213	10	136,787	10	152,328
1/4	13,198	1/4	28,824	1/4	44,084	1/4	59,262	1/4	74,848	1/4	90,435	1/4	105,972	1/4	121,538	1/4	137,112	1/4	152,641
1/2	13,523	1/2	29,149	1/2	44,393	1/2	59,587	1/2	75,173	1/2	90,760	1/2	106,295	1/2	121,862	1/2	137,436	1/2	152,953
3/4	13,849	3/4	29,473	3/4	44,702	3/4	59,912	3/4	75,498	3/4	91,085	3/4	106,618	3/4	122,187	3/4	137,760	3/4	153,265
11	14,174	11	29,798	11	45,011	11	60,237	11	75,823	11	91,410	11	106,942	11	122,511	11	138,085	11	153,578
1/4	14,500	1/4	30,123	1/4	45,321	1/4	60,561	1/4	76,147	1/4	91,733	1/4	107,266	1/4	122,836	1/4	138,409	1/4	153,878
1/2	14,825	1/2	30,447	1/2	45,630	1/2	60,886	1/2	76,472	1/2	92,057	1/2	107,590	1/2	123,160	1/2	138,734	1/2	154,178
3/4	15,151	3/4	30,772	3/4	45,939	3/4	61,211	3/4	76,797	3/4	92,381	3/4	107,914	3/4	123,485	3/4	139,058	3/4	154,478

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 11'-00" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 309"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 3/4"

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	154,778	0	167,091	0	179,039	0	190,976	0	202,844	0		0		0		0		0	
1/4	155,066	1/4	167,341	1/4	179,288	1/4	191,224	1/4	203,084	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,353	1/2	167,591	1/2	179,536	1/2	191,473	1/2	203,323	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,641	3/4	167,841	3/4	179,785	3/4	191,722	3/4	203,563	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	155,928	1	168,091	1	180,034	1	191,970	1	203,802	1	1	1	1	1	1	1	1	1	1
1/4	156,203	1/4	168,341	1/4	180,282	1/4	192,219	1/4	204,011	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,478	1/2	168,591	1/2	180,531	1/2	192,468	1/2	204,220	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,753	3/4	168,841	3/4	180,780	3/4	192,716	3/4	204,429	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	157,028	2	169,091	2	181,028	2	192,965	2	204,637	2	2	2	2	2	2	2	2	2	2
1/4	157,290	1/4	169,340	1/4	181,277	1/4	193,214	1/4	204,805	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,553	1/2	169,589	1/2	181,526	1/2	193,462	1/2	204,973	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,815	3/4	169,838	3/4	181,774	3/4	193,711	3/4	205,141	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	158,078	3	170,087	3	182,023	3	193,960	3	205,309	3	3	3	3	3	3	3	3	3	3
1/4	158,330	1/4	170,335	1/4	182,272	1/4	194,208	1/4	205,435	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,583	1/2	170,584	1/2	182,520	1/2	194,457	1/2	205,561	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,836	3/4	170,833	3/4	182,769	3/4	194,706	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	159,089	4	171,081	4	183,018	4	194,954	4		4	4	4	4	4	4	4	4	4	4
1/4	159,339	1/4	171,330	1/4	183,267	1/4	195,203	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,589	1/2	171,579	1/2	183,515	1/2	195,452	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,839	3/4	171,827	3/4	183,764	3/4	195,700	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	160,090	5	172,076	5	184,013	5	195,949	5		5	5	5	5	5	5	5	5	5	5
1/4	160,340	1/4	172,325	1/4	184,261	1/4	196,198	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,590	1/2	172,573	1/2	184,510	1/2	196,446	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,840	3/4	172,822	3/4	184,759	3/4	196,695	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	161,090	6	173,071	6	185,007	6	196,944	6		6	6	6	6	6	6	6	6	6	6
1/4	161,340	1/4	173,319	1/4	185,256	1/4	197,192	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,590	1/2	173,568	1/2	185,505	1/2	197,441	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,840	3/4	173,817	3/4	185,753	3/4	197,690	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	162,090	7	174,065	7	186,002	7	197,939	7		7	7	7	7	7	7	7	7	7	7
1/4	162,340	1/4	174,314	1/4	186,251	1/4	198,185	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,590	1/2	174,563	1/2	186,499	1/2	198,431	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,840	3/4	174,811	3/4	186,748	3/4	198,677	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	163,090	8	175,060	8	186,997	8	198,924	8		8	8	8	8	8	8	8	8	8	8
1/4	163,340	1/4	175,309	1/4	187,245	1/4	199,170	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,590	1/2	175,558	1/2	187,494	1/2	199,415	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,840	3/4	175,806	3/4	187,743	3/4	199,661	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	164,090	9	176,055	9	187,991	9	199,907	9		9	9	9	9	9	9	9	9	9	9
1/4	164,340	1/4	176,304	1/4	188,240	1/4	200,153	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,590	1/2	176,552	1/2	188,489	1/2	200,398	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,840	3/4	176,801	3/4	188,737	3/4	200,643	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	165,090	10	177,050	10	188,986	10	200,889	10		10	10	10	10	10	10	10	10	10	10
1/4	165,341	1/4	177,298	1/4	189,235	1/4	201,134	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,591	1/2	177,547	1/2	189,483	1/2	201,379	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,841	3/4	177,796	3/4	189,732	3/4	201,624	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	166,091	11	178,044	11	189,981	11	201,869	11		11	11	11	11	11	11	11	11	11	11
1/4	166,341	1/4	178,293	1/4	190,230	1/4	202,112	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,591	1/2	178,542	1/2	190,478	1/2	202,356	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,841	3/4	178,790	3/4	190,727	3/4	202,600	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: 01/07/2013 CL - SW
CALCULATED: 01/07/2013 CL
PRINTED: 01/07/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "CBC 309"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-05 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	0	0	100	0	257	0	412	0		0		0		0		0		0	
1/4	1	1/4	103	1/4	260	1/4	415	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	1	1/2	106	1/2	263	1/2	417	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	2	3/4	109	3/4	267	3/4	420	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3	1	112	1	270	1	423	1	1	1	1	1	1	1	1	1	1	1	1
1/4	4	1/4	115	1/4	273	1/4	426	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	5	1/2	119	1/2	277	1/2	429	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	6	3/4	122	3/4	280	3/4	431	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	7	2	125	2	284	2	434	2	2	2	2	2	2	2	2	2	2	2	2
1/4	9	1/4	128	1/4	287	1/4	437	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	10	1/2	131	1/2	290	1/2	440	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	12	3/4	134	3/4	294	3/4	442	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	13	3	137	3	297	3	445	3	3	3	3	3	3	3	3	3	3	3	3
1/4	15	1/4	140	1/4	300	1/4	447	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	17	1/2	144	1/2	304	1/2	450	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	19	3/4	147	3/4	307	3/4	452	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	20	4	150	4	311	4	455	4	4	4	4	4	4	4	4	4	4	4	4
1/4	22	1/4	153	1/4	314	1/4	457	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	24	1/2	156	1/2	317	1/2	460	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	26	3/4	160	3/4	320	3/4	462	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	28	5	163	5	324	5	465	5	5	5	5	5	5	5	5	5	5	5	5
1/4	31	1/4	166	1/4	327	1/4	467	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	33	1/2	169	1/2	330	1/2	469	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	35	3/4	173	3/4	334	3/4	471	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	37	6	176	6	337	6	474	6	6	6	6	6	6	6	6	6	6	6	6
1/4	39	1/4	179	1/4	340	1/4	476	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	42	1/2	183	1/2	343	1/2	478	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	44	3/4	186	3/4	347	3/4	480	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	46	7	189	7	350	7	482	7	7	7	7	7	7	7	7	7	7	7	7
1/4	49	1/4	192	1/4	353	1/4	484	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	51	1/2	196	1/2	356	1/2	486	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	54	3/4	199	3/4	360	3/4	488	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	56	8	202	8	363	8	489	8	8	8	8	8	8	8	8	8	8	8	8
1/4	59	1/4	206	1/4	366	1/4	491	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	62	1/2	209	1/2	369	1/2	493	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	64	3/4	213	3/4	372	3/4	494	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	67	9	216	9	375	9	496	9	9	9	9	9	9	9	9	9	9	9	9
1/4	69	1/4	219	1/4	379	1/4	497	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	72	1/2	223	1/2	382	1/2	499	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	75	3/4	226	3/4	385	3/4	500	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	78	10	229	10	388	10	502	10	10	10	10	10	10	10	10	10	10	10	10
1/4	80	1/4	233	1/4	391	1/4	502	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	83	1/2	236	1/2	394	1/2	502	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	86	3/4	240	3/4	397	3/4	502	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	89	11	243	11	400	11	502	11	11	11	11	11	11	11	11	11	11	11	11
1/4	92	1/4	246	1/4	403	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95	1/2	250	1/2	406	1/2		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	98	3/4	253	3/4	409	3/4		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.

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 8" DIAMETER HATCH.

STRAPPED: 01/07/2013 CL - SW
CALCULATED: 01/07/2013 CL
PRINTED: 01/07/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 309"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 238'-03"

January 7, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.

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 Pearland, Texas 77588

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BARGE "CBC 309"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 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	220,078	0	205,543	0	189,920	0	174,297	0	158,597	0	142,887	0	127,175	0	111,461
1/4	1/4	1/4	1/4	1/4	219,912	1/4	205,217	1/4	189,595	1/4	173,972	1/4	158,270	1/4	142,559	1/4	126,848	1/4	111,134
1/2	1/2	1/2	1/2	1/2	219,747	1/2	204,892	1/2	189,269	1/2	173,646	1/2	157,942	1/2	142,232	1/2	126,520	1/2	110,806
3/4	3/4	3/4	3/4	3/4	219,527	3/4	204,566	3/4	188,944	3/4	173,321	3/4	157,615	3/4	141,905	3/4	126,193	3/4	110,479
1		1		1	219,307	1	204,241	1	188,618	1	172,995	1	157,288	1	141,577	1	125,866	1	110,151
1/4	1/4	1/4	1/4	1/4	219,088	1/4	203,915	1/4	188,293	1/4	172,669	1/4	156,960	1/4	141,250	1/4	125,538	1/4	109,824
1/2	1/2	1/2	1/2	1/2	218,868	1/2	203,590	1/2	187,967	1/2	172,344	1/2	156,633	1/2	140,923	1/2	125,211	1/2	109,497
3/4	3/4	3/4	3/4	3/4	218,595	3/4	203,265	3/4	187,642	3/4	172,016	3/4	156,306	3/4	140,596	3/4	124,883	3/4	109,169
2		2		2	218,322	2	202,939	2	187,316	2	171,689	2	155,979	2	140,268	2	124,556	2	108,842
1/4	1/4	1/4	1/4	1/4	218,048	1/4	202,614	1/4	186,991	1/4	171,362	1/4	155,651	1/4	139,941	1/4	124,229	1/4	108,515
1/2	1/2	1/2	1/2	1/2	217,775	1/2	202,288	1/2	186,665	1/2	171,034	1/2	155,324	1/2	139,614	1/2	123,901	1/2	108,187
3/4	3/4	3/4	3/4	3/4	217,462	3/4	201,963	3/4	186,340	3/4	170,707	3/4	154,997	3/4	139,286	3/4	123,574	3/4	107,860
3		3		3	217,148	3	201,637	3	186,014	3	170,380	3	154,669	3	138,959	3	123,247	3	107,532
1/4	1/4	1/4	1/4	1/4	216,835	1/4	201,312	1/4	185,689	1/4	170,052	1/4	154,342	1/4	138,632	1/4	122,919	1/4	107,205
1/2	1/2	1/2	1/2	1/2	216,521	1/2	200,986	1/2	185,363	1/2	169,725	1/2	154,015	1/2	138,304	1/2	122,592	1/2	106,878
3/4	3/4	3/4	3/4	3/4	216,202	3/4	200,661	3/4	185,038	3/4	169,398	3/4	153,687	3/4	137,977	3/4	122,264	3/4	106,550
4		4		4	215,882	4	200,335	4	184,713	4	169,071	4	153,360	4	137,650	4	121,937	4	106,223
1/4	1/4	1/4	1/4	1/4	215,563	1/4	200,010	1/4	184,387	1/4	168,743	1/4	153,033	1/4	137,323	1/4	121,610	1/4	105,896
1/2	1/2	1/2	1/2	1/2	215,244	1/2	199,684	1/2	184,062	1/2	168,416	1/2	152,706	1/2	136,995	1/2	121,282	1/2	105,568
3/4	3/4	3/4	3/4	3/4	214,923	3/4	199,359	3/4	183,736	3/4	168,089	3/4	152,378	3/4	136,668	3/4	120,955	3/4	105,241
5		5		5	214,602	5	199,033	5	183,411	5	167,761	5	152,051	5	136,341	5	120,628	5	104,913
1/4	1/4	1/4	1/4	1/4	214,282	1/4	198,708	1/4	183,085	1/4	167,434	1/4	151,724	1/4	136,013	1/4	120,300	1/4	104,586
1/2	1/2	1/2	1/2	1/2	213,961	1/2	198,382	1/2	182,760	1/2	167,107	1/2	151,396	1/2	135,686	1/2	119,973	1/2	104,259
3/4	3/4	3/4	3/4	3/4	213,640	3/4	198,057	3/4	182,434	3/4	166,779	3/4	151,069	3/4	135,359	3/4	119,645	3/4	103,931
6		6		6	213,319	6	197,731	6	182,109	6	166,452	6	150,742	6	135,031	6	119,318	6	103,604
1/4	1/4	1/4	1/4	1/4	212,997	1/4	197,406	1/4	181,783	1/4	166,125	1/4	150,415	1/4	134,704	1/4	118,991	1/4	103,277
1/2	1/2	1/2	1/2	1/2	212,676	1/2	197,081	1/2	181,458	1/2	165,798	1/2	150,087	1/2	134,377	1/2	118,663	1/2	102,949
3/4	3/4	3/4	3/4	3/4	212,354	3/4	196,755	3/4	181,132	3/4	165,470	3/4	149,760	3/4	134,050	3/4	118,336	3/4	102,622
7		7		7	212,033	7	196,430	7	180,807	7	165,143	7	149,433	7	133,722	7	118,009	7	102,294
1/4	1/4	1/4	1/4	1/4	211,711	1/4	196,104	1/4	180,481	1/4	164,816	1/4	149,105	1/4	133,395	1/4	117,681	1/4	101,967
1/2	1/2	1/2	1/2	1/2	211,389	1/2	195,779	1/2	180,156	1/2	164,488	1/2	148,778	1/2	133,068	1/2	117,354	1/2	101,640
3/4	3/4	3/4	3/4	3/4	211,067	3/4	195,453	3/4	179,830	3/4	164,161	3/4	148,451	3/4	132,740	3/4	117,026	3/4	101,312
8		8		8	210,744	8	195,128	8	179,505	8	163,834	8	148,123	8	132,413	8	116,699	8	100,985
1/4	1/4	1/4	1/4	1/4	210,422	1/4	194,802	1/4	179,179	1/4	163,506	1/4	147,796	1/4	132,086	1/4	116,372	1/4	100,658
1/2	1/2	1/2	1/2	1/2	210,099	1/2	194,477	1/2	178,854	1/2	163,179	1/2	147,469	1/2	131,758	1/2	116,044	1/2	100,330
3/4	3/4	3/4	3/4	3/4	209,774	3/4	194,151	3/4	178,528	3/4	162,852	3/4	147,142	3/4	131,431	3/4	115,717	3/4	100,003
9		9		9	209,449	9	193,826	9	178,203	9	162,525	9	146,814	9	131,104	9	115,389	9	99,675
1/4	1/4	1/4	1/4	1/4	209,123	1/4	193,500	1/4	177,878	1/4	162,197	1/4	146,487	1/4	130,776	1/4	115,062	1/4	99,348
1/2	1/2	1/2	1/2	1/2	208,798	1/2	193,175	1/2	177,552	1/2	161,870	1/2	146,160	1/2	130,449	1/2	114,735	1/2	99,021
3/4	3/4	3/4	3/4	3/4	208,472	3/4	192,849	3/4	177,227	3/4	161,543	3/4	145,832	3/4	130,121	3/4	114,407	3/4	98,693
10		10		10	208,147	10	192,524	10	176,901	10	161,215	10	145,505	10	129,794	10	114,080	10	98,366
1/4	1/4	1/4	1/4	1/4	207,821	1/4	192,198	1/4	176,576	1/4	160,888	1/4	145,178	1/4	129,467	1/4	113,753	1/4	98,038
1/2	1/2	1/2	1/2	1/2	207,496	1/2	191,873	1/2	176,250	1/2	160,561	1/2	144,850	1/2	129,139	1/2	113,425	1/2	97,711
3/4	3/4	3/4	3/4	3/4	207,170	3/4	191,547	3/4	175,925	3/4	160,233	3/4	144,523	3/4	128,812	3/4	113,098	3/4	97,384
11		11		11	206,845	11	191,222	11	175,599	11	159,906	11	144,196	11	128,485	11	112,770	11	97,056
1/4	1/4	1/4	1/4	1/4	206,519	1/4	190,897	1/4	175,274	1/4	159,579	1/4	143,869	1/4	128,157	1/4	112,443	1/4	96,729
1/2	1/2	1/2	1/2	1/2	206,194	1/2	190,571	1/2	174,948	1/2	159,252	1/2	143,541	1/2	127,830	1/2	112,116	1/2	96,402
3/4	3/4	3/4	3/4	3/4	205,868	3/4	190,246	3/4	174,623	3/4	158,924	3/4	143,214	3/4	127,502	3/4	111,788	3/4	96,074

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "CBC 309"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 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	95,747	0	80,033	0	64,319	0	48,605	0	32,993	0	17,508	0	3,554	0		0		0	
1/4	95,419	1/4	79,705	1/4	63,991	1/4	48,277	1/4	32,668	1/4	17,197	1/4	3,284	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,092	1/2	79,378	1/2	63,664	1/2	47,950	1/2	32,342	1/2	16,886	1/2	3,015	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,765	3/4	79,051	3/4	63,336	3/4	47,623	3/4	32,015	3/4	16,578	3/4	2,754	3/4	3/4	3/4	3/4	3/4	3/4
1	94,437	1	78,723	1	63,009	1	47,296	1	31,687	1	16,270	1	2,494	1	1	1	1	1	1
1/4	94,110	1/4	78,396	1/4	62,682	1/4	46,969	1/4	31,360	1/4	15,963	1/4	2,233	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,783	1/2	78,068	1/2	62,354	1/2	46,642	1/2	31,033	1/2	15,655	1/2	1,973	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,455	3/4	77,741	3/4	62,027	3/4	46,315	3/4	30,705	3/4	15,350	3/4	1,761	3/4	3/4	3/4	3/4	3/4	3/4
2	93,128	2	77,414	2	61,700	2	45,989	2	30,378	2	15,046	2	1,548	2	2	2	2	2	2
1/4	92,800	1/4	77,086	1/4	61,372	1/4	45,662	1/4	30,051	1/4	14,742	1/4	1,336	1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,473	1/2	76,759	1/2	61,045	1/2	45,335	1/2	29,723	1/2	14,437	1/2	1,124	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,146	3/4	76,432	3/4	60,717	3/4	45,010	3/4	29,396	3/4	14,136	3/4	989	3/4	3/4	3/4	3/4	3/4	3/4
3	91,818	3	76,104	3	60,390	3	44,686	3	29,068	3	13,835	3	854	3	3	3	3	3	3
1/4	91,491	1/4	75,777	1/4	60,063	1/4	44,361	1/4	28,741	1/4	13,534	1/4	719	1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,164	1/2	75,449	1/2	59,735	1/2	44,037	1/2	28,414	1/2	13,233	1/2	585	1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,836	3/4	75,122	3/4	59,408	3/4	43,712	3/4	28,086	3/4	12,936	3/4	450	3/4	3/4	3/4	3/4	3/4	3/4
4	90,509	4	74,795	4	59,081	4	43,387	4	27,759	4	12,638	4	315	4	4	4	4	4	4
1/4	90,181	1/4	74,467	1/4	58,753	1/4	43,063	1/4	27,432	1/4	12,341	1/4	180	1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,854	1/2	74,140	1/2	58,426	1/2	42,738	1/2	27,104	1/2	12,043	1/2	35	1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,527	3/4	73,813	3/4	58,098	3/4	42,413	3/4	26,777	3/4	11,749	3/4	20	3/4	3/4	3/4	3/4	3/4	3/4
5	89,199	5	73,485	5	57,771	5	42,089	5	26,449	5	11,455	5	5	5	5	5	5	5	5
1/4	88,872	1/4	73,158	1/4	57,444	1/4	41,764	1/4	26,122	1/4	11,161	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,545	1/2	72,830	1/2	57,116	1/2	41,439	1/2	25,795	1/2	10,867	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,217	3/4	72,503	3/4	56,789	3/4	41,115	3/4	25,468	3/4	10,576	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
6	87,890	6	72,176	6	56,462	6	40,790	6	25,142	6	10,285	6	0	6	6	6	6	6	6
1/4	87,562	1/4	71,848	1/4	56,134	1/4	40,465	1/4	24,816	1/4	9,994	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,235	1/2	71,521	1/2	55,807	1/2	40,141	1/2	24,490	1/2	9,704	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,908	3/4	71,194	3/4	55,479	3/4	39,816	3/4	24,171	3/4	9,416	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
7	86,580	7	70,866	7	55,152	7	39,491	7	23,853	7	9,129	7	0	7	7	7	7	7	7
1/4	86,253	1/4	70,539	1/4	54,825	1/4	39,167	1/4	23,534	1/4	8,842	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,926	1/2	70,211	1/2	54,497	1/2	38,842	1/2	23,215	1/2	8,554	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,598	3/4	69,884	3/4	54,170	3/4	38,518	3/4	22,898	3/4	8,270	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
8	85,271	8	69,557	8	53,843	8	38,193	8	22,581	8	7,986	8	0	8	8	8	8	8	8
1/4	84,943	1/4	69,229	1/4	53,515	1/4	37,868	1/4	22,264	1/4	7,702	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,616	1/2	68,902	1/2	53,188	1/2	37,544	1/2	21,947	1/2	7,418	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,289	3/4	68,575	3/4	52,860	3/4	37,219	3/4	21,625	3/4	7,138	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
9	83,961	9	68,247	9	52,533	9	36,894	9	21,304	9	6,857	9	0	9	9	9	9	9	9
1/4	83,634	1/4	67,920	1/4	52,206	1/4	36,570	1/4	20,982	1/4	6,577	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,306	1/2	67,592	1/2	51,878	1/2	36,245	1/2	20,661	1/2	6,296	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,979	3/4	67,265	3/4	51,551	3/4	35,920	3/4	20,343	3/4	6,019	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
10	82,652	10	66,938	10	51,223	10	35,596	10	20,025	10	5,742	10	0	10	10	10	10	10	10
1/4	82,324	1/4	66,610	1/4	50,896	1/4	35,271	1/4	19,707	1/4	5,465	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,997	1/2	66,283	1/2	50,569	1/2	34,946	1/2	19,389	1/2	5,188	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,670	3/4	65,955	3/4	50,241	3/4	34,621	3/4	19,074	3/4	4,914	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
11	81,342	11	65,628	11	49,914	11	34,295	11	18,760	11	4,641	11	0	11	11	11	11	11	11
1/4	81,015	1/4	65,301	1/4	49,587	1/4	33,970	1/4	18,445	1/4	4,367	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,687	1/2	64,973	1/2	49,259	1/2	33,645	1/2	18,131	1/2	4,094	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,360	3/4	64,646	3/4	48,932	3/4	33,319	3/4	17,819	3/4	3,824	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2013 CL - SW
CALCULATED: 01/07/2013 CL
PRINTED: 01/07/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "CBC 309"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	205,929	0	190,307	0	174,684	0	158,985	0	143,275	0	127,563	0	111,849
1/4		1/4		1/4	220,138	1/4	205,604	1/4	189,981	1/4	174,358	1/4	158,658	1/4	142,948	1/4	127,236	1/4	111,522
1/2		1/2		1/2	219,973	1/2	205,278	1/2	189,656	1/2	174,033	1/2	158,331	1/2	142,620	1/2	126,909	1/2	111,195
3/4		3/4		3/4	219,808	3/4	204,953	3/4	189,330	3/4	173,707	3/4	158,003	3/4	142,293	3/4	126,581	3/4	110,867
1		1		1	219,588	1	204,627	1	189,005	1	173,382	1	157,676	1	141,966	1	126,254	1	110,540
1/4		1/4		1/4	219,368	1/4	204,302	1/4	188,679	1/4	173,056	1/4	157,349	1/4	141,638	1/4	125,927	1/4	110,212
1/2		1/2		1/2	219,149	1/2	203,976	1/2	188,354	1/2	172,730	1/2	157,021	1/2	141,311	1/2	125,599	1/2	109,885
3/4		3/4		3/4	218,929	3/4	203,651	3/4	188,028	3/4	172,405	3/4	156,694	3/4	140,984	3/4	125,272	3/4	109,558
2		2		2	218,656	2	203,325	2	187,703	2	172,077	2	156,367	2	140,656	2	124,944	2	109,230
1/4		1/4		1/4	218,382	1/4	203,000	1/4	187,377	1/4	171,750	1/4	156,040	1/4	140,329	1/4	124,617	1/4	108,903
1/2		1/2		1/2	218,109	1/2	202,675	1/2	187,052	1/2	171,423	1/2	155,712	1/2	140,002	1/2	124,290	1/2	108,576
3/4		3/4		3/4	217,836	3/4	202,349	3/4	186,726	3/4	171,095	3/4	155,385	3/4	139,675	3/4	123,962	3/4	108,248
3		3		3	217,523	3	202,024	3	186,401	3	170,768	3	155,058	3	139,347	3	123,635	3	107,921
1/4		1/4		1/4	217,209	1/4	201,698	1/4	186,075	1/4	170,441	1/4	154,730	1/4	139,020	1/4	123,308	1/4	107,593
1/2		1/2		1/2	216,896	1/2	201,373	1/2	185,750	1/2	170,113	1/2	154,403	1/2	138,693	1/2	122,980	1/2	107,266
3/4		3/4		3/4	216,582	3/4	201,047	3/4	185,424	3/4	169,786	3/4	154,076	3/4	138,365	3/4	122,653	3/4	106,939
4		4		4	216,263	4	200,722	4	185,099	4	169,459	4	153,748	4	138,038	4	122,325	4	106,611
1/4		1/4		1/4	215,943	1/4	200,396	1/4	184,773	1/4	169,132	1/4	153,421	1/4	137,711	1/4	121,998	1/4	106,284
1/2		1/2		1/2	215,624	1/2	200,071	1/2	184,448	1/2	168,804	1/2	153,094	1/2	137,383	1/2	121,671	1/2	105,957
3/4		3/4		3/4	215,305	3/4	199,745	3/4	184,123	3/4	168,477	3/4	152,767	3/4	137,056	3/4	121,343	3/4	105,629
5		5		5	214,984	5	199,420	5	183,797	5	168,150	5	152,439	5	136,729	5	121,016	5	105,302
1/4		1/4		1/4	214,663	1/4	199,094	1/4	183,472	1/4	167,822	1/4	152,112	1/4	136,402	1/4	120,689	1/4	104,974
1/2		1/2		1/2	214,343	1/2	198,769	1/2	183,146	1/2	167,495	1/2	151,785	1/2	136,074	1/2	120,361	1/2	104,647
3/4		3/4		3/4	214,022	3/4	198,443	3/4	182,821	3/4	167,168	3/4	151,457	3/4	135,747	3/4	120,034	3/4	104,320
6		6		6	213,701	6	198,118	6	182,495	6	166,840	6	151,130	6	135,420	6	119,706	6	103,992
1/4		1/4		1/4	213,380	1/4	197,792	1/4	182,170	1/4	166,513	1/4	150,803	1/4	135,092	1/4	119,379	1/4	103,665
1/2		1/2		1/2	213,058	1/2	197,467	1/2	181,844	1/2	166,186	1/2	150,475	1/2	134,765	1/2	119,052	1/2	103,338
3/4		3/4		3/4	212,737	3/4	197,141	3/4	181,519	3/4	165,859	3/4	150,148	3/4	134,438	3/4	118,724	3/4	103,010
7		7		7	212,415	7	196,816	7	181,193	7	165,531	7	149,821	7	134,110	7	118,397	7	102,683
1/4		1/4		1/4	212,094	1/4	196,491	1/4	180,868	1/4	165,204	1/4	149,494	1/4	133,783	1/4	118,070	1/4	102,355
1/2		1/2		1/2	211,772	1/2	196,165	1/2	180,542	1/2	164,877	1/2	149,166	1/2	133,456	1/2	117,742	1/2	102,028
3/4		3/4		3/4	211,450	3/4	195,840	3/4	180,217	3/4	164,549	3/4	148,839	3/4	133,129	3/4	117,415	3/4	101,701
8		8		8	211,128	8	195,514	8	179,891	8	164,222	8	148,512	8	132,801	8	117,087	8	101,373
1/4		1/4		1/4	210,805	1/4	195,189	1/4	179,566	1/4	163,895	1/4	148,184	1/4	132,474	1/4	116,760	1/4	101,046
1/2		1/2		1/2	210,483	1/2	194,863	1/2	179,240	1/2	163,567	1/2	147,857	1/2	132,147	1/2	116,433	1/2	100,718
3/4		3/4		3/4	210,160	3/4	194,538	3/4	178,915	3/4	163,240	3/4	147,530	3/4	131,819	3/4	116,105	3/4	100,391
9		9		9	209,835	9	194,212	9	178,589	9	162,913	9	147,202	9	131,492	9	115,778	9	100,064
1/4		1/4		1/4	209,509	1/4	193,887	1/4	178,264	1/4	162,586	1/4	146,875	1/4	131,165	1/4	115,450	1/4	99,736
1/2		1/2		1/2	209,184	1/2	193,561	1/2	177,939	1/2	162,258	1/2	146,548	1/2	130,837	1/2	115,123	1/2	99,409
3/4		3/4		3/4	208,859	3/4	193,236	3/4	177,613	3/4	161,931	3/4	146,221	3/4	130,510	3/4	114,796	3/4	99,082
10		10		10	208,533	10	192,910	10	177,288	10	161,604	10	145,893	10	130,182	10	114,468	10	98,754
1/4		1/4		1/4	208,208	1/4	192,585	1/4	176,962	1/4	161,276	1/4	145,566	1/4	129,855	1/4	114,141	1/4	98,427
1/2		1/2		1/2	207,882	1/2	192,259	1/2	176,637	1/2	160,949	1/2	145,239	1/2	129,528	1/2	113,814	1/2	98,099
3/4		3/4		3/4	207,557	3/4	191,934	3/4	176,311	3/4	160,622	3/4	144,911	3/4	129,200	3/4	113,486	3/4	97,772
11		11		11	207,231	11	191,608	11	175,986	11	160,294	11	144,584	11	128,873	11	113,159	11	97,445
1/4		1/4		1/4	206,906	1/4	191,283	1/4	175,660	1/4	159,967	1/4	144,257	1/4	128,546	1/4	112,831	1/4	97,117
1/2		1/2		1/2	206,580	1/2	190,957	1/2	175,335	1/2	159,640	1/2	143,929	1/2	128,218	1/2	112,504	1/2	96,790
3/4		3/4		3/4	206,255	3/4	190,632	3/4	175,009	3/4	159,313	3/4	143,602	3/4	127,891	3/4	112,177	3/4	96,463

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 309"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 3/4"

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	96,135	0	80,421	0	64,707	0	48,993	0	33,319	0	17,819	0	3,824	0		0		0	
1/4	95,808	1/4	80,094	1/4	64,380	1/4	48,666	1/4	32,992	1/4	17,508	1/4	3,554	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,480	1/2	79,766	1/2	64,052	1/2	48,338	1/2	32,665	1/2	17,197	1/2	3,284	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,153	3/4	79,439	3/4	63,725	3/4	48,011	3/4	32,338	3/4	16,886	3/4	3,015	3/4	3/4	3/4	3/4	3/4	3/4
1	94,826	1	79,112	1	63,397	1	47,684	1	32,011	1	16,578	1	2,754	1	1	1	1	1	1
1/4	94,498	1/4	78,784	1/4	63,070	1/4	47,357	1/4	31,684	1/4	16,270	1/4	2,494	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,171	1/2	78,457	1/2	62,743	1/2	47,030	1/2	31,358	1/2	15,962	1/2	2,233	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,844	3/4	78,129	3/4	62,415	3/4	46,703	3/4	31,031	3/4	15,654	3/4	1,973	3/4	3/4	3/4	3/4	3/4	3/4
2	93,516	2	77,802	2	62,088	2	46,376	2	30,704	2	15,350	2	1,761	2	2	2	2	2	2
1/4	93,189	1/4	77,475	1/4	61,761	1/4	46,049	1/4	30,377	1/4	15,046	1/4	1,548	1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,861	1/2	77,147	1/2	61,433	1/2	45,722	1/2	30,050	1/2	14,741	1/2	1,336	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,534	3/4	76,820	3/4	61,106	3/4	45,395	3/4	29,723	3/4	14,437	3/4	1,124	3/4	3/4	3/4	3/4	3/4	3/4
3	92,207	3	76,493	3	60,778	3	45,068	3	29,395	3	14,136	3	989	3	3	3	3	3	3
1/4	91,879	1/4	76,165	1/4	60,451	1/4	44,742	1/4	29,068	1/4	13,835	1/4	854	1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,552	1/2	75,838	1/2	60,124	1/2	44,415	1/2	28,741	1/2	13,534	1/2	719	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,225	3/4	75,510	3/4	59,796	3/4	44,088	3/4	28,413	3/4	13,233	3/4	585	3/4	3/4	3/4	3/4	3/4	3/4
4	90,897	4	75,183	4	59,469	4	43,762	4	28,086	4	12,936	4		4	4	4	4	4	4
1/4	90,570	1/4	74,856	1/4	59,142	1/4	43,435	1/4	27,759	1/4	12,638	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,242	1/2	74,528	1/2	58,814	1/2	43,109	1/2	27,431	1/2	12,340	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,915	3/4	74,201	3/4	58,487	3/4	42,782	3/4	27,104	3/4	12,043	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	89,588	5	73,874	5	58,159	5	42,456	5	26,777	5	11,749	5	5	5	5	5	5	5	5
1/4	89,260	1/4	73,546	1/4	57,832	1/4	42,130	1/4	26,449	1/4	11,455	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,933	1/2	73,219	1/2	57,505	1/2	41,804	1/2	26,122	1/2	11,160	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,606	3/4	72,891	3/4	57,177	3/4	41,477	3/4	25,794	3/4	10,866	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	88,278	6	72,564	6	56,850	6	41,151	6	25,468	6	10,576	6	6	6	6	6	6	6	6
1/4	87,951	1/4	72,237	1/4	56,523	1/4	40,825	1/4	25,142	1/4	10,285	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,623	1/2	71,909	1/2	56,195	1/2	40,499	1/2	24,816	1/2	9,994	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,296	3/4	71,582	3/4	55,868	3/4	40,173	3/4	24,489	3/4	9,703	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	86,969	7	71,255	7	55,540	7	39,846	7	24,171	7	9,416	7	7	7	7	7	7	7	7
1/4	86,641	1/4	70,927	1/4	55,213	1/4	39,520	1/4	23,852	1/4	9,129	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,314	1/2	70,600	1/2	54,886	1/2	39,194	1/2	23,534	1/2	8,841	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,986	3/4	70,272	3/4	54,558	3/4	38,868	3/4	23,215	3/4	8,554	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	85,659	8	69,945	8	54,231	8	38,542	8	22,898	8	8,270	8	8	8	8	8	8	8	8
1/4	85,332	1/4	69,618	1/4	53,903	1/4	38,216	1/4	22,581	1/4	7,986	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,004	1/2	69,290	1/2	53,576	1/2	37,889	1/2	22,263	1/2	7,702	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,677	3/4	68,963	3/4	53,249	3/4	37,563	3/4	21,946	3/4	7,418	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	84,350	9	68,635	9	52,921	9	37,237	9	21,625	9	7,138	9	9	9	9	9	9	9	9
1/4	84,022	1/4	68,308	1/4	52,594	1/4	36,911	1/4	21,303	1/4	6,857	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,695	1/2	67,981	1/2	52,267	1/2	36,585	1/2	20,982	1/2	6,577	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,367	3/4	67,653	3/4	51,939	3/4	36,258	3/4	20,661	3/4	6,296	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	83,040	10	67,326	10	51,612	10	35,932	10	20,343	10	6,019	10	10	10	10	10	10	10	10
1/4	82,713	1/4	66,999	1/4	51,284	1/4	35,606	1/4	20,025	1/4	5,742	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,385	1/2	66,671	1/2	50,957	1/2	35,280	1/2	19,707	1/2	5,465	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,058	3/4	66,344	3/4	50,630	3/4	34,953	3/4	19,389	3/4	5,188	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	81,731	11	66,016	11	50,302	11	34,627	11	19,074	11	4,914	11	11	11	11	11	11	11	11
1/4	81,403	1/4	65,689	1/4	49,975	1/4	34,300	1/4	18,759	1/4	4,641	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,076	1/2	65,362	1/2	49,648	1/2	33,973	1/2	18,445	1/2	4,367	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,748	3/4	65,034	3/4	49,320	3/4	33,646	3/4	18,130	3/4	4,093	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2013 CL - SW
CALCULATED: 01/07/2013 CL
PRINTED: 01/07/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "CBC 309"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

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		0		0	201,306	0	186,253	0	171,201	0	156,074	0	140,934	0	125,793	0	110,649
1/4	1/4	1/4	1/4	1/4	1/4	1/4	200,992	1/4	185,940	1/4	170,887	1/4	155,759	1/4	140,619	1/4	125,477	1/4	110,334
1/2	1/2	1/2	1/2	1/2	1/2	1/2	214,679	1/2	200,679	1/2	185,626	1/2	170,573	1/2	155,443	1/2	140,303	1/2	125,162
3/4	3/4	3/4	3/4	3/4	3/4	3/4	214,520	3/4	200,365	3/4	185,312	3/4	170,260	3/4	155,128	3/4	139,988	3/4	124,846
1		1		1		1	214,361	1	200,051	1	184,999	1	169,946	1	154,813	1	139,672	1	124,531
1/4	1/4	1/4	1/4	1/4	1/4	1/4	214,149	1/4	199,738	1/4	184,685	1/4	169,632	1/4	154,497	1/4	139,357	1/4	124,215
1/2	1/2	1/2	1/2	1/2	1/2	1/2	213,937	1/2	199,424	1/2	184,372	1/2	169,319	1/2	154,182	1/2	139,042	1/2	123,900
3/4	3/4	3/4	3/4	3/4	3/4	3/4	213,726	3/4	199,111	3/4	184,058	3/4	169,005	3/4	153,866	3/4	138,726	3/4	123,585
2		2		2		2	213,514	2	198,797	2	183,744	2	168,691	2	153,551	2	138,411	2	123,269
1/4	1/4	1/4	1/4	1/4	1/4	1/4	213,251	1/4	198,484	1/4	183,431	1/4	168,376	1/4	153,235	1/4	138,095	1/4	122,954
1/2	1/2	1/2	1/2	1/2	1/2	1/2	212,988	1/2	198,170	1/2	183,117	1/2	168,060	1/2	152,920	1/2	137,780	1/2	122,638
3/4	3/4	3/4	3/4	3/4	3/4	3/4	212,725	3/4	197,856	3/4	182,804	3/4	167,745	3/4	152,605	3/4	137,464	3/4	122,323
3		3		3		3	212,462	3	197,543	3	182,490	3	167,429	3	152,289	3	137,149	3	122,007
1/4	1/4	1/4	1/4	1/4	1/4	1/4	212,160	1/4	197,229	1/4	182,177	1/4	167,114	1/4	151,974	1/4	136,834	1/4	121,692
1/2	1/2	1/2	1/2	1/2	1/2	1/2	211,858	1/2	196,916	1/2	181,863	1/2	166,798	1/2	151,658	1/2	136,518	1/2	121,376
3/4	3/4	3/4	3/4	3/4	3/4	3/4	211,556	3/4	196,602	3/4	181,549	3/4	166,483	3/4	151,343	3/4	136,203	3/4	121,061
4		4		4		4	211,254	4	196,288	4	181,236	4	166,168	4	151,027	4	135,887	4	120,745
1/4	1/4	1/4	1/4	1/4	1/4	1/4	210,946	1/4	195,975	1/4	180,922	1/4	165,852	1/4	150,712	1/4	135,572	1/4	120,430
1/2	1/2	1/2	1/2	1/2	1/2	1/2	210,639	1/2	195,661	1/2	180,609	1/2	165,537	1/2	150,397	1/2	135,257	1/2	120,114
3/4	3/4	3/4	3/4	3/4	3/4	3/4	210,331	3/4	195,348	3/4	180,295	3/4	165,221	3/4	150,081	3/4	134,941	3/4	119,799
5		5		5		5	210,024	5	195,034	5	179,981	5	164,906	5	149,766	5	134,626	5	119,483
1/4	1/4	1/4	1/4	1/4	1/4	1/4	209,715	1/4	194,720	1/4	179,668	1/4	164,591	1/4	149,450	1/4	134,310	1/4	119,168
1/2	1/2	1/2	1/2	1/2	1/2	1/2	209,406	1/2	194,407	1/2	179,354	1/2	164,275	1/2	149,135	1/2	133,995	1/2	118,852
3/4	3/4	3/4	3/4	3/4	3/4	3/4	209,097	3/4	194,093	3/4	179,041	3/4	163,960	3/4	148,820	3/4	133,679	3/4	118,537
6		6		6		6	208,789	6	193,780	6	178,727	6	163,644	6	148,504	6	133,364	6	118,221
1/4	1/4	1/4	1/4	1/4	1/4	1/4	208,479	1/4	193,466	1/4	178,413	1/4	163,329	1/4	148,189	1/4	133,049	1/4	117,906
1/2	1/2	1/2	1/2	1/2	1/2	1/2	208,170	1/2	193,152	1/2	178,100	1/2	163,013	1/2	147,873	1/2	132,733	1/2	117,590
3/4	3/4	3/4	3/4	3/4	3/4	3/4	207,860	3/4	192,839	3/4	177,786	3/4	162,698	3/4	147,558	3/4	132,418	3/4	117,275
7		7		7		7	207,551	7	192,525	7	177,473	7	162,383	7	147,242	7	132,102	7	116,959
1/4	1/4	1/4	1/4	1/4	1/4	1/4	207,241	1/4	192,212	1/4	177,159	1/4	162,067	1/4	146,927	1/4	131,787	1/4	116,644
1/2	1/2	1/2	1/2	1/2	1/2	1/2	206,931	1/2	191,898	1/2	176,845	1/2	161,752	1/2	146,612	1/2	131,472	1/2	116,328
3/4	3/4	3/4	3/4	3/4	3/4	3/4	206,621	3/4	191,584	3/4	176,532	3/4	161,436	3/4	146,296	3/4	131,156	3/4	116,013
8		8		8		8	206,311	8	191,271	8	176,218	8	161,121	8	145,981	8	130,841	8	115,697
1/4	1/4	1/4	1/4	1/4	1/4	1/4	206,001	1/4	190,957	1/4	175,905	1/4	160,805	1/4	145,665	1/4	130,525	1/4	115,382
1/2	1/2	1/2	1/2	1/2	1/2	1/2	205,690	1/2	190,644	1/2	175,591	1/2	160,490	1/2	145,350	1/2	130,210	1/2	115,066
3/4	3/4	3/4	3/4	3/4	3/4	3/4	205,380	3/4	190,330	3/4	175,277	3/4	160,175	3/4	145,035	3/4	129,894	3/4	114,751
9		9		9		9	205,069	9	190,016	9	174,964	9	159,859	9	144,719	9	129,579	9	114,435
1/4	1/4	1/4	1/4	1/4	1/4	1/4	204,755	1/4	189,703	1/4	174,650	1/4	159,544	1/4	144,404	1/4	129,263	1/4	114,120
1/2	1/2	1/2	1/2	1/2	1/2	1/2	204,442	1/2	189,389	1/2	174,337	1/2	159,228	1/2	144,088	1/2	128,948	1/2	113,804
3/4	3/4	3/4	3/4	3/4	3/4	3/4	204,128	3/4	189,076	3/4	174,023	3/4	158,913	3/4	143,773	3/4	128,632	3/4	113,489
10		10		10		10	203,815	10	188,762	10	173,709	10	158,598	10	143,457	10	128,317	10	113,173
1/4	1/4	1/4	1/4	1/4	1/4	1/4	203,501	1/4	188,448	1/4	173,396	1/4	158,282	1/4	143,142	1/4	128,001	1/4	112,858
1/2	1/2	1/2	1/2	1/2	1/2	1/2	203,187	1/2	188,135	1/2	173,082	1/2	157,967	1/2	142,827	1/2	127,686	1/2	112,542
3/4	3/4	3/4	3/4	3/4	3/4	3/4	202,874	3/4	187,821	3/4	172,769	3/4	157,651	3/4	142,511	3/4	127,370	3/4	112,227
11		11		11		11	202,560	11	187,508	11	172,455	11	157,336	11	142,196	11	127,055	11	111,911
1/4	1/4	1/4	1/4	1/4	1/4	1/4	202,247	1/4	187,194	1/4	172,141	1/4	157,020	1/4	141,880	1/4	126,739	1/4	111,596
1/2	1/2	1/2	1/2	1/2	1/2	1/2	201,933	1/2	186,880	1/2	171,828	1/2	156,705	1/2	141,565	1/2	126,424	1/2	111,280
3/4	3/4	3/4	3/4	3/4	3/4	3/4	201,619	3/4	186,567	3/4	171,514	3/4	156,390	3/4	141,249	3/4	126,108	3/4	110,965

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 309"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

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	95,505	0	80,361	0	65,218	0	50,074	0	35,189	0	20,046	0	4,903	0		0		0	
1/4	95,190	1/4	80,046	1/4	64,902	1/4	49,759	1/4	34,874	1/4	19,730	1/4	4,588	1/4	1/4		1/4		1/4
1/2	94,874	1/2	79,730	1/2	64,587	1/2	49,444	1/2	34,558	1/2	19,415	1/2	4,273	1/2	1/2		1/2		1/2
3/4	94,559	3/4	79,415	3/4	64,271	3/4	49,130	3/4	34,243	3/4	19,099	3/4	3,958	3/4	3/4		3/4		3/4
1	94,243	1	79,099	1	63,956	1	48,815	1	33,927	1	18,784	1	3,643	1	1		1		1
1/4	93,928	1/4	78,784	1/4	63,640	1/4	48,506	1/4	33,612	1/4	18,468	1/4	3,334	1/4	1/4		1/4		1/4
1/2	93,612	1/2	78,468	1/2	63,325	1/2	48,196	1/2	33,296	1/2	18,153	1/2	3,025	1/2	1/2		1/2		1/2
3/4	93,297	3/4	78,153	3/4	63,009	3/4	47,887	3/4	32,981	3/4	17,837	3/4	2,716	3/4	3/4		3/4		3/4
2	92,981	2	77,837	2	62,694	2	47,578	2	32,665	2	17,522	2	2,406	2	2		2		2
1/4	92,666	1/4	77,522	1/4	62,378	1/4	47,268	1/4	32,350	1/4	17,206	1/4	2,140	1/4	1/4		1/4		1/4
1/2	92,350	1/2	77,206	1/2	62,063	1/2	46,959	1/2	32,034	1/2	16,891	1/2	1,874	1/2	1/2		1/2		1/2
3/4	92,035	3/4	76,891	3/4	61,747	3/4	46,650	3/4	31,719	3/4	16,576	3/4	1,608	3/4	3/4		3/4		3/4
3	91,719	3	76,575	3	61,432	3	46,341	3	31,403	3	16,260	3	1,342	3	3		3		3
1/4	91,404	1/4	76,260	1/4	61,116	1/4	46,032	1/4	31,088	1/4	15,945	1/4	1,154	1/4	1/4		1/4		1/4
1/2	91,088	1/2	75,944	1/2	60,801	1/2	45,723	1/2	30,772	1/2	15,629	1/2	967	1/2	1/2		1/2		1/2
3/4	90,773	3/4	75,629	3/4	60,485	3/4	45,414	3/4	30,457	3/4	15,314	3/4	780	3/4	3/4		3/4		3/4
4	90,457	4	75,313	4	60,170	4	45,105	4	30,141	4	14,998	4	592	4	4		4		4
1/4	90,142	1/4	74,998	1/4	59,854	1/4	44,796	1/4	29,826	1/4	14,683	1/4		1/4	1/4		1/4		1/4
1/2	89,826	1/2	74,682	1/2	59,539	1/2	44,487	1/2	29,511	1/2	14,367	1/2		1/2	1/2		1/2		1/2
3/4	89,511	3/4	74,367	3/4	59,223	3/4	44,178	3/4	29,195	3/4	14,052	3/4		3/4	3/4		3/4		3/4
5	89,195	5	74,051	5	58,908	5	43,869	5	28,880	5	13,736	5	5	5	5		5		5
1/4	88,880	1/4	73,736	1/4	58,592	1/4	43,560	1/4	28,564	1/4	13,421	1/4		1/4	1/4		1/4		1/4
1/2	88,564	1/2	73,420	1/2	58,277	1/2	43,251	1/2	28,249	1/2	13,105	1/2		1/2	1/2		1/2		1/2
3/4	88,249	3/4	73,105	3/4	57,961	3/4	42,942	3/4	27,933	3/4	12,790	3/4		3/4	3/4		3/4		3/4
6	87,933	6	72,790	6	57,646	6	42,633	6	27,618	6	12,474	6	6	6	6		6		6
1/4	87,618	1/4	72,474	1/4	57,330	1/4	42,324	1/4	27,302	1/4	12,159	1/4		1/4	1/4		1/4		1/4
1/2	87,302	1/2	72,159	1/2	57,015	1/2	42,016	1/2	26,987	1/2	11,843	1/2		1/2	1/2		1/2		1/2
3/4	86,987	3/4	71,843	3/4	56,699	3/4	41,707	3/4	26,671	3/4	11,528	3/4		3/4	3/4		3/4		3/4
7	86,671	7	71,528	7	56,384	7	41,398	7	26,356	7	11,212	7	7	7	7		7		7
1/4	86,356	1/4	71,212	1/4	56,068	1/4	41,089	1/4	26,040	1/4	10,897	1/4		1/4	1/4		1/4		1/4
1/2	86,040	1/2	70,897	1/2	55,753	1/2	40,780	1/2	25,725	1/2	10,581	1/2		1/2	1/2		1/2		1/2
3/4	85,725	3/4	70,581	3/4	55,437	3/4	40,471	3/4	25,409	3/4	10,266	3/4		3/4	3/4		3/4		3/4
8	85,409	8	70,266	8	55,122	8	40,162	8	25,094	8	9,950	8	8	8	8		8		8
1/4	85,094	1/4	69,950	1/4	54,806	1/4	39,853	1/4	24,778	1/4	9,635	1/4		1/4	1/4		1/4		1/4
1/2	84,778	1/2	69,635	1/2	54,491	1/2	39,544	1/2	24,463	1/2	9,319	1/2		1/2	1/2		1/2		1/2
3/4	84,463	3/4	69,319	3/4	54,175	3/4	39,235	3/4	24,147	3/4	9,004	3/4		3/4	3/4		3/4		3/4
9	84,147	9	69,004	9	53,860	9	38,926	9	23,832	9	8,688	9	9	9	9		9		9
1/4	83,832	1/4	68,688	1/4	53,544	1/4	38,617	1/4	23,516	1/4	8,373	1/4		1/4	1/4		1/4		1/4
1/2	83,516	1/2	68,373	1/2	53,229	1/2	38,308	1/2	23,201	1/2	8,057	1/2		1/2	1/2		1/2		1/2
3/4	83,201	3/4	68,057	3/4	52,913	3/4	37,999	3/4	22,885	3/4	7,742	3/4		3/4	3/4		3/4		3/4
10	82,885	10	67,742	10	52,598	10	37,690	10	22,570	10	7,426	10	10	10	10		10		10
1/4	82,570	1/4	67,426	1/4	52,282	1/4	37,381	1/4	22,254	1/4	7,111	1/4		1/4	1/4		1/4		1/4
1/2	82,254	1/2	67,111	1/2	51,967	1/2	37,071	1/2	21,939	1/2	6,795	1/2		1/2	1/2		1/2		1/2
3/4	81,939	3/4	66,795	3/4	51,651	3/4	36,761	3/4	21,623	3/4	6,480	3/4		3/4	3/4		3/4		3/4
11	81,623	11	66,480	11	51,336	11	36,451	11	21,308	11	6,164	11	11	11	11		11		11
1/4	81,308	1/4	66,164	1/4	51,020	1/4	36,136	1/4	20,992	1/4	5,849	1/4		1/4	1/4		1/4		1/4
1/2	80,992	1/2	65,849	1/2	50,705	1/2	35,820	1/2	20,677	1/2	5,534	1/2		1/2	1/2		1/2		1/2
3/4	80,677	3/4	65,533	3/4	50,389	3/4	35,505	3/4	20,361	3/4	5,218	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2013 CL - SW
CALCULATED: 01/07/2013 CL
PRINTED: 01/07/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 309"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 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	214,574	0	200,575	0	185,525	0	170,474	0	155,345	0	140,207	0	125,068	0	109,926
1/4	1/4	1/4	1/4	1/4	214,415	1/4	200,262	1/4	185,211	1/4	170,160	1/4	155,030	1/4	139,892	1/4	124,752	1/4	109,610
1/2	1/2	1/2	1/2	1/2	214,256	1/2	199,948	1/2	184,897	1/2	169,847	1/2	154,715	1/2	139,576	1/2	124,437	1/2	109,295
3/4	3/4	3/4	3/4	3/4	214,044	3/4	199,635	3/4	184,584	3/4	169,533	3/4	154,399	3/4	139,261	3/4	124,122	3/4	108,980
1		1		1	213,832	1	199,321	1	184,270	1	169,219	1	154,084	1	138,946	1	123,806	1	108,664
1/4	1/4	1/4	1/4	1/4	213,621	1/4	199,008	1/4	183,957	1/4	168,905	1/4	153,769	1/4	138,630	1/4	123,491	1/4	108,349
1/2	1/2	1/2	1/2	1/2	213,409	1/2	198,694	1/2	183,643	1/2	168,591	1/2	153,453	1/2	138,315	1/2	123,175	1/2	108,033
3/4	3/4	3/4	3/4	3/4	213,146	3/4	198,380	3/4	183,330	3/4	168,276	3/4	153,138	3/4	138,000	3/4	122,860	3/4	107,718
2		2		2	212,883	2	198,067	2	183,016	2	167,961	2	152,822	2	137,684	2	122,544	2	107,402
1/4	1/4	1/4	1/4	1/4	212,620	1/4	197,753	1/4	182,702	1/4	167,645	1/4	152,507	1/4	137,369	1/4	122,229	1/4	107,087
1/2	1/2	1/2	1/2	1/2	212,357	1/2	197,440	1/2	182,389	1/2	167,330	1/2	152,192	1/2	137,053	1/2	121,913	1/2	106,771
3/4	3/4	3/4	3/4	3/4	212,055	3/4	197,126	3/4	182,075	3/4	167,015	3/4	151,876	3/4	136,738	3/4	121,598	3/4	106,456
3		3		3	211,753	3	196,813	3	181,762	3	166,699	3	151,561	3	136,423	3	121,282	3	106,140
1/4	1/4	1/4	1/4	1/4	211,451	1/4	196,499	1/4	181,448	1/4	166,384	1/4	151,246	1/4	136,107	1/4	120,967	1/4	105,825
1/2	1/2	1/2	1/2	1/2	211,149	1/2	196,185	1/2	181,135	1/2	166,068	1/2	150,930	1/2	135,792	1/2	120,651	1/2	105,509
3/4	3/4	3/4	3/4	3/4	210,842	3/4	195,872	3/4	180,821	3/4	165,753	3/4	150,615	3/4	135,477	3/4	120,336	3/4	105,194
4		4		4	210,534	4	195,558	4	180,508	4	165,438	4	150,299	4	135,161	4	120,021	4	104,879
1/4	1/4	1/4	1/4	1/4	210,227	1/4	195,245	1/4	180,194	1/4	165,122	1/4	149,984	1/4	134,846	1/4	119,705	1/4	104,563
1/2	1/2	1/2	1/2	1/2	209,919	1/2	194,931	1/2	179,880	1/2	164,807	1/2	149,669	1/2	134,530	1/2	119,390	1/2	104,248
3/4	3/4	3/4	3/4	3/4	209,610	3/4	194,618	3/4	179,567	3/4	164,492	3/4	149,353	3/4	134,215	3/4	119,074	3/4	103,932
5		5		5	209,302	5	194,304	5	179,253	5	164,176	5	149,038	5	133,900	5	118,759	5	103,617
1/4	1/4	1/4	1/4	1/4	208,993	1/4	193,991	1/4	178,940	1/4	163,861	1/4	148,723	1/4	133,584	1/4	118,443	1/4	103,301
1/2	1/2	1/2	1/2	1/2	208,684	1/2	193,677	1/2	178,626	1/2	163,545	1/2	148,407	1/2	133,269	1/2	118,128	1/2	102,986
3/4	3/4	3/4	3/4	3/4	208,375	3/4	193,363	3/4	178,313	3/4	163,230	3/4	148,092	3/4	132,954	3/4	117,812	3/4	102,670
6		6		6	208,065	6	193,050	6	177,999	6	162,915	6	147,776	6	132,638	6	117,497	6	102,355
1/4	1/4	1/4	1/4	1/4	207,756	1/4	192,736	1/4	177,686	1/4	162,599	1/4	147,461	1/4	132,323	1/4	117,181	1/4	102,039
1/2	1/2	1/2	1/2	1/2	207,446	1/2	192,423	1/2	177,372	1/2	162,284	1/2	147,146	1/2	132,007	1/2	116,866	1/2	101,724
3/4	3/4	3/4	3/4	3/4	207,137	3/4	192,109	3/4	177,058	3/4	161,968	3/4	146,830	3/4	131,692	3/4	116,551	3/4	101,409
7		7		7	206,827	7	191,796	7	176,745	7	161,653	7	146,515	7	131,377	7	116,235	7	101,093
1/4	1/4	1/4	1/4	1/4	206,517	1/4	191,482	1/4	176,431	1/4	161,338	1/4	146,199	1/4	131,061	1/4	115,920	1/4	100,778
1/2	1/2	1/2	1/2	1/2	206,207	1/2	191,169	1/2	176,118	1/2	161,022	1/2	145,884	1/2	130,746	1/2	115,604	1/2	100,462
3/4	3/4	3/4	3/4	3/4	205,897	3/4	190,855	3/4	175,804	3/4	160,707	3/4	145,569	3/4	130,430	3/4	115,289	3/4	100,147
8		8		8	205,586	8	190,541	8	175,491	8	160,392	8	145,253	8	130,115	8	114,973	8	99,831
1/4	1/4	1/4	1/4	1/4	205,276	1/4	190,228	1/4	175,177	1/4	160,076	1/4	144,938	1/4	129,800	1/4	114,658	1/4	99,516
1/2	1/2	1/2	1/2	1/2	204,965	1/2	189,914	1/2	174,864	1/2	159,761	1/2	144,623	1/2	129,484	1/2	114,342	1/2	99,200
3/4	3/4	3/4	3/4	3/4	204,652	3/4	189,601	3/4	174,550	3/4	159,445	3/4	144,307	3/4	129,169	3/4	114,027	3/4	98,885
9		9		9	204,338	9	189,287	9	174,236	9	159,130	9	143,992	9	128,853	9	113,711	9	98,569
1/4	1/4	1/4	1/4	1/4	204,024	1/4	188,974	1/4	173,923	1/4	158,815	1/4	143,676	1/4	128,538	1/4	113,396	1/4	98,254
1/2	1/2	1/2	1/2	1/2	203,711	1/2	188,660	1/2	173,609	1/2	158,499	1/2	143,361	1/2	128,222	1/2	113,080	1/2	97,938
3/4	3/4	3/4	3/4	3/4	203,397	3/4	188,347	3/4	173,296	3/4	158,184	3/4	143,046	3/4	127,907	3/4	112,765	3/4	97,623
10		10		10	203,084	10	188,033	10	172,982	10	157,869	10	142,730	10	127,592	10	112,450	10	97,308
1/4	1/4	1/4	1/4	1/4	202,770	1/4	187,719	1/4	172,669	1/4	157,553	1/4	142,415	1/4	127,276	1/4	112,134	1/4	96,992
1/2	1/2	1/2	1/2	1/2	202,457	1/2	187,406	1/2	172,355	1/2	157,238	1/2	142,100	1/2	126,961	1/2	111,819	1/2	96,677
3/4	3/4	3/4	3/4	3/4	202,143	3/4	187,092	3/4	172,042	3/4	156,922	3/4	141,784	3/4	126,645	3/4	111,503	3/4	96,361
11		11		11	201,830	11	186,779	11	171,728	11	156,607	11	141,469	11	126,330	11	111,188	11	96,046
1/4	1/4	1/4	1/4	1/4	201,516	1/4	186,465	1/4	171,414	1/4	156,292	1/4	141,153	1/4	126,014	1/4	110,872	1/4	95,730
1/2	1/2	1/2	1/2	1/2	201,202	1/2	186,152	1/2	171,101	1/2	155,976	1/2	140,838	1/2	125,699	1/2	110,557	1/2	95,415
3/4	3/4	3/4	3/4	3/4	200,889	3/4	185,838	3/4	170,787	3/4	155,661	3/4	140,523	3/4	125,383	3/4	110,241	3/4	95,099

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 309"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 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	94,784	0	79,642	0	64,500	0	49,358	0	34,541	0	19,413	0	4,273	0		0		0	
1/4	94,468	1/4	79,326	1/4	64,184	1/4	49,043	1/4	34,232	1/4	19,097	1/4	3,958	1/4	1/4		1/4		1/4
1/2	94,153	1/2	79,011	1/2	63,869	1/2	48,728	1/2	33,923	1/2	18,782	1/2	3,643	1/2	1/2		1/2		1/2
3/4	93,838	3/4	78,696	3/4	63,554	3/4	48,414	3/4	33,608	3/4	18,466	3/4	3,334	3/4	3/4		3/4		3/4
1	93,522	1	78,380	1	63,238	1	48,101	1	33,292	1	18,151	1	3,024	1	1		1		1
1/4	93,207	1/4	78,065	1/4	62,923	1/4	47,787	1/4	32,977	1/4	17,835	1/4	2,715	1/4	1/4		1/4		1/4
1/2	92,891	1/2	77,749	1/2	62,607	1/2	47,474	1/2	32,661	1/2	17,520	1/2	2,406	1/2	1/2		1/2		1/2
3/4	92,576	3/4	77,434	3/4	62,292	3/4	47,161	3/4	32,346	3/4	17,204	3/4	2,140	3/4	3/4		3/4		3/4
2	92,260	2	77,118	2	61,976	2	46,848	2	32,030	2	16,889	2	1,874	2	2		2		2
1/4	91,945	1/4	76,803	1/4	61,661	1/4	46,535	1/4	31,715	1/4	16,573	1/4	1,608	1/4	1/4		1/4		1/4
1/2	91,629	1/2	76,487	1/2	61,345	1/2	46,223	1/2	31,400	1/2	16,258	1/2	1,342	1/2	1/2		1/2		1/2
3/4	91,314	3/4	76,172	3/4	61,030	3/4	45,915	3/4	31,084	3/4	15,943	3/4	1,154	3/4	3/4		3/4		3/4
3	90,998	3	75,856	3	60,714	3	45,608	3	30,769	3	15,627	3	967	3	3		3		3
1/4	90,683	1/4	75,541	1/4	60,399	1/4	45,301	1/4	30,453	1/4	15,312	1/4	780	1/4	1/4		1/4		1/4
1/2	90,367	1/2	75,225	1/2	60,084	1/2	44,994	1/2	30,138	1/2	14,996	1/2	592	1/2	1/2		1/2		1/2
3/4	90,052	3/4	74,910	3/4	59,768	3/4	44,686	3/4	29,822	3/4	14,681	3/4		3/4	3/4		3/4		3/4
4	89,737	4	74,595	4	59,453	4	44,379	4	29,507	4	14,365	4		4	4		4		4
1/4	89,421	1/4	74,279	1/4	59,137	1/4	44,072	1/4	29,191	1/4	14,050	1/4		1/4	1/4		1/4		1/4
1/2	89,106	1/2	73,964	1/2	58,822	1/2	43,765	1/2	28,876	1/2	13,734	1/2		1/2	1/2		1/2		1/2
3/4	88,790	3/4	73,648	3/4	58,506	3/4	43,457	3/4	28,561	3/4	13,419	3/4		3/4	3/4		3/4		3/4
5	88,475	5	73,333	5	58,191	5	43,150	5	28,245	5	13,104	5		5	5		5		5
1/4	88,159	1/4	73,017	1/4	57,875	1/4	42,843	1/4	27,930	1/4	12,788	1/4		1/4	1/4		1/4		1/4
1/2	87,844	1/2	72,702	1/2	57,560	1/2	42,536	1/2	27,614	1/2	12,473	1/2		1/2	1/2		1/2		1/2
3/4	87,528	3/4	72,386	3/4	57,244	3/4	42,229	3/4	27,299	3/4	12,157	3/4		3/4	3/4		3/4		3/4
6	87,213	6	72,071	6	56,929	6	41,921	6	26,983	6	11,842	6		6	6		6		6
1/4	86,897	1/4	71,755	1/4	56,613	1/4	41,614	1/4	26,668	1/4	11,526	1/4		1/4	1/4		1/4		1/4
1/2	86,582	1/2	71,440	1/2	56,298	1/2	41,307	1/2	26,352	1/2	11,211	1/2		1/2	1/2		1/2		1/2
3/4	86,267	3/4	71,125	3/4	55,983	3/4	41,000	3/4	26,037	3/4	10,895	3/4		3/4	3/4		3/4		3/4
7	85,951	7	70,809	7	55,667	7	40,692	7	25,721	7	10,580	7		7	7		7		7
1/4	85,636	1/4	70,494	1/4	55,352	1/4	40,385	1/4	25,406	1/4	10,264	1/4		1/4	1/4		1/4		1/4
1/2	85,320	1/2	70,178	1/2	55,036	1/2	40,078	1/2	25,091	1/2	9,949	1/2		1/2	1/2		1/2		1/2
3/4	85,005	3/4	69,863	3/4	54,721	3/4	39,771	3/4	24,775	3/4	9,634	3/4		3/4	3/4		3/4		3/4
8	84,689	8	69,547	8	54,405	8	39,463	8	24,460	8	9,318	8		8	8		8		8
1/4	84,374	1/4	69,232	1/4	54,090	1/4	39,156	1/4	24,144	1/4	9,003	1/4		1/4	1/4		1/4		1/4
1/2	84,058	1/2	68,916	1/2	53,774	1/2	38,849	1/2	23,829	1/2	8,687	1/2		1/2	1/2		1/2		1/2
3/4	83,743	3/4	68,601	3/4	53,459	3/4	38,542	3/4	23,513	3/4	8,372	3/4		3/4	3/4		3/4		3/4
9	83,427	9	68,285	9	53,143	9	38,234	9	23,198	9	8,056	9		9	9		9		9
1/4	83,112	1/4	67,970	1/4	52,828	1/4	37,927	1/4	22,882	1/4	7,741	1/4		1/4	1/4		1/4		1/4
1/2	82,796	1/2	67,654	1/2	52,513	1/2	37,620	1/2	22,567	1/2	7,425	1/2		1/2	1/2		1/2		1/2
3/4	82,481	3/4	67,339	3/4	52,197	3/4	37,313	3/4	22,252	3/4	7,110	3/4		3/4	3/4		3/4		3/4
10	82,166	10	67,024	10	51,882	10	37,005	10	21,936	10	6,795	10		10	10		10		10
1/4	81,850	1/4	66,708	1/4	51,566	1/4	36,698	1/4	21,621	1/4	6,479	1/4		1/4	1/4		1/4		1/4
1/2	81,535	1/2	66,393	1/2	51,251	1/2	36,391	1/2	21,305	1/2	6,164	1/2		1/2	1/2		1/2		1/2
3/4	81,219	3/4	66,077	3/4	50,935	3/4	36,083	3/4	20,990	3/4	5,848	3/4		3/4	3/4		3/4		3/4
11	80,904	11	65,762	11	50,620	11	35,775	11	20,674	11	5,533	11		11	11		11		11
1/4	80,588	1/4	65,446	1/4	50,304	1/4	35,467	1/4	20,359	1/4	5,218	1/4		1/4	1/4		1/4		1/4
1/2	80,273	1/2	65,131	1/2	49,989	1/2	35,159	1/2	20,043	1/2	4,902	1/2		1/2	1/2		1/2		1/2
3/4	79,957	3/4	64,815	3/4	49,674	3/4	34,850	3/4	19,728	3/4	4,587	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2013 CL - SW
CALCULATED: 01/07/2013 CL
PRINTED: 01/07/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 309"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 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	
0		0		0	205,855	0	194,753	0	182,818	0	170,883	0	158,884	0	144,228	0	128,657	0	113,086
1/4	1/4	1/4	1/4	1/4	205,729	1/4	194,504	1/4	182,569	1/4	170,635	1/4	158,632	1/4	143,904	1/4	128,333	1/4	112,761
1/2	1/2	1/2	1/2	1/2	205,603	1/2	194,255	1/2	182,321	1/2	170,386	1/2	158,379	1/2	143,579	1/2	128,009	1/2	112,437
3/4	3/4	3/4	3/4	3/4	205,435	3/4	194,007	3/4	182,072	3/4	170,137	3/4	158,116	3/4	143,255	3/4	127,684	3/4	112,113
1		1		1	205,267	1	193,758	1	181,823	1	169,888	1	157,854	1	142,931	1	127,360	1	111,789
1/4	1/4	1/4	1/4	1/4	205,099	1/4	193,509	1/4	181,575	1/4	169,640	1/4	157,592	1/4	142,606	1/4	127,035	1/4	111,464
1/2	1/2	1/2	1/2	1/2	204,931	1/2	193,261	1/2	181,326	1/2	169,391	1/2	157,330	1/2	142,282	1/2	126,711	1/2	111,140
3/4	3/4	3/4	3/4	3/4	204,723	3/4	193,012	3/4	181,077	3/4	169,141	3/4	157,055	3/4	141,957	3/4	126,386	3/4	110,816
2		2		2	204,514	2	192,763	2	180,829	2	168,891	2	156,780	2	141,633	2	126,062	2	110,492
1/4	1/4	1/4	1/4	1/4	204,305	1/4	192,515	1/4	180,580	1/4	168,641	1/4	156,505	1/4	141,309	1/4	125,738	1/4	110,168
1/2	1/2	1/2	1/2	1/2	204,097	1/2	192,266	1/2	180,332	1/2	168,391	1/2	156,230	1/2	140,984	1/2	125,413	1/2	109,844
3/4	3/4	3/4	3/4	3/4	203,857	3/4	192,018	3/4	180,083	3/4	168,141	3/4	155,942	3/4	140,660	3/4	125,089	3/4	109,520
3		3		3	203,618	3	191,769	3	179,834	3	167,891	3	155,655	3	140,336	3	124,764	3	109,195
1/4	1/4	1/4	1/4	1/4	203,378	1/4	191,520	1/4	179,586	1/4	167,641	1/4	155,368	1/4	140,011	1/4	124,440	1/4	108,871
1/2	1/2	1/2	1/2	1/2	203,139	1/2	191,272	1/2	179,337	1/2	167,391	1/2	155,080	1/2	139,687	1/2	124,116	1/2	108,547
3/4	3/4	3/4	3/4	3/4	202,895	3/4	191,023	3/4	179,088	3/4	167,141	3/4	154,780	3/4	139,362	3/4	123,791	3/4	108,223
4		4		4	202,651	4	190,774	4	178,840	4	166,891	4	154,480	4	139,038	4	123,467	4	107,899
1/4	1/4	1/4	1/4	1/4	202,407	1/4	190,526	1/4	178,591	1/4	166,641	1/4	154,180	1/4	138,714	1/4	123,142	1/4	107,575
1/2	1/2	1/2	1/2	1/2	202,163	1/2	190,277	1/2	178,342	1/2	166,391	1/2	153,880	1/2	138,389	1/2	122,818	1/2	107,251
3/4	3/4	3/4	3/4	3/4	201,918	3/4	190,028	3/4	178,094	3/4	166,141	3/4	153,567	3/4	138,065	3/4	122,494	3/4	106,928
5		5		5	201,673	5	189,780	5	177,845	5	165,891	5	153,255	5	137,740	5	122,169	5	106,604
1/4	1/4	1/4	1/4	1/4	201,428	1/4	189,531	1/4	177,597	1/4	165,641	1/4	152,943	1/4	137,416	1/4	121,845	1/4	106,281
1/2	1/2	1/2	1/2	1/2	201,184	1/2	189,283	1/2	177,348	1/2	165,391	1/2	152,630	1/2	137,092	1/2	121,520	1/2	105,958
3/4	3/4	3/4	3/4	3/4	200,938	3/4	189,034	3/4	177,099	3/4	165,141	3/4	152,309	3/4	136,767	3/4	121,196	3/4	105,635
6		6		6	200,693	6	188,785	6	176,851	6	164,891	6	151,987	6	136,443	6	120,871	6	105,311
1/4	1/4	1/4	1/4	1/4	200,447	1/4	188,537	1/4	176,602	1/4	164,641	1/4	151,666	1/4	136,119	1/4	120,547	1/4	104,988
1/2	1/2	1/2	1/2	1/2	200,202	1/2	188,288	1/2	176,353	1/2	164,391	1/2	151,344	1/2	135,794	1/2	120,223	1/2	104,665
3/4	3/4	3/4	3/4	3/4	199,956	3/4	188,039	3/4	176,105	3/4	164,141	3/4	151,021	3/4	135,470	3/4	119,898	3/4	104,341
7		7		7	199,710	7	187,791	7	175,856	7	163,891	7	150,698	7	135,145	7	119,574	7	104,017
1/4	1/4	1/4	1/4	1/4	199,464	1/4	187,542	1/4	175,607	1/4	163,641	1/4	150,375	1/4	134,821	1/4	119,249	1/4	103,694
1/2	1/2	1/2	1/2	1/2	199,219	1/2	187,293	1/2	175,359	1/2	163,391	1/2	150,052	1/2	134,497	1/2	118,925	1/2	103,370
3/4	3/4	3/4	3/4	3/4	198,972	3/4	187,045	3/4	175,110	3/4	163,141	3/4	149,729	3/4	134,172	3/4	118,601	3/4	103,047
8		8		8	198,726	8	186,796	8	174,862	8	162,891	8	149,406	8	133,848	8	118,276	8	102,723
1/4	1/4	1/4	1/4	1/4	198,480	1/4	186,548	1/4	174,613	1/4	162,641	1/4	149,082	1/4	133,523	1/4	117,952	1/4	102,400
1/2	1/2	1/2	1/2	1/2	198,234	1/2	186,299	1/2	174,364	1/2	162,391	1/2	148,759	1/2	133,199	1/2	117,627	1/2	102,076
3/4	3/4	3/4	3/4	3/4	197,985	3/4	186,050	3/4	174,116	3/4	162,141	3/4	148,436	3/4	132,875	3/4	117,303	3/4	101,752
9		9		9	197,736	9	185,802	9	173,867	9	161,891	9	148,112	9	132,550	9	116,979	9	101,429
1/4	1/4	1/4	1/4	1/4	197,488	1/4	185,553	1/4	173,618	1/4	161,641	1/4	147,789	1/4	132,226	1/4	116,654	1/4	101,105
1/2	1/2	1/2	1/2	1/2	197,239	1/2	185,304	1/2	173,370	1/2	161,391	1/2	147,466	1/2	131,901	1/2	116,330	1/2	100,782
3/4	3/4	3/4	3/4	3/4	196,990	3/4	185,056	3/4	173,121	3/4	161,141	3/4	147,142	3/4	131,577	3/4	116,005	3/4	100,458
10		10		10	196,742	10	184,807	10	172,872	10	160,891	10	146,819	10	131,253	10	115,681	10	100,135
1/4	1/4	1/4	1/4	1/4	196,493	1/4	184,558	1/4	172,624	1/4	160,641	1/4	146,495	1/4	130,928	1/4	115,356	1/4	99,811
1/2	1/2	1/2	1/2	1/2	196,244	1/2	184,310	1/2	172,375	1/2	160,390	1/2	146,172	1/2	130,604	1/2	115,032	1/2	99,487
3/4	3/4	3/4	3/4	3/4	195,996	3/4	184,061	3/4	172,126	3/4	160,140	3/4	145,848	3/4	130,279	3/4	114,708	3/4	99,164
11		11		11	195,747	11	183,812	11	171,878	11	159,890	11	145,524	11	129,955	11	114,383	11	98,840
1/4	1/4	1/4	1/4	1/4	195,499	1/4	183,564	1/4	171,629	1/4	159,640	1/4	145,201	1/4	129,631	1/4	114,059	1/4	98,517
1/2	1/2	1/2	1/2	1/2	195,250	1/2	183,315	1/2	171,381	1/2	159,390	1/2	144,877	1/2	129,306	1/2	113,734	1/2	98,193
3/4	3/4	3/4	3/4	3/4	195,001	3/4	183,067	3/4	171,132	3/4	159,137	3/4	144,552	3/4	128,982	3/4	113,410	3/4	97,870

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 309"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 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	97,546	0	81,981	0	66,397	0	50,864	0	35,634	0	20,031	0	4,408	0		0		0	
1/4	97,222	1/4	81,656	1/4	66,073	1/4	50,547	1/4	35,310	1/4	19,706	1/4	4,083	1/4	1/4		1/4		1/4
1/2	96,899	1/2	81,331	1/2	65,748	1/2	50,231	1/2	34,985	1/2	19,380	1/2	3,758	1/2	1/2		1/2		1/2
3/4	96,575	3/4	81,007	3/4	65,423	3/4	49,914	3/4	34,661	3/4	19,055	3/4	3,439	3/4	3/4		3/4		3/4
1	96,252	1	80,682	1	65,099	1	49,598	1	34,336	1	18,729	1	3,120	1	1		1		1
1/4	95,928	1/4	80,357	1/4	64,774	1/4	49,281	1/4	34,012	1/4	18,404	1/4	2,801	1/4	1/4		1/4		1/4
1/2	95,605	1/2	80,033	1/2	64,449	1/2	48,965	1/2	33,687	1/2	18,078	1/2	2,482	1/2	1/2		1/2		1/2
3/4	95,281	3/4	79,708	3/4	64,125	3/4	48,648	3/4	33,363	3/4	17,753	3/4	2,208	3/4	3/4		3/4		3/4
2	94,957	2	79,383	2	63,800	2	48,332	2	33,038	2	17,427	2	1,933	2	2		2		2
1/4	94,634	1/4	79,059	1/4	63,475	1/4	48,015	1/4	32,714	1/4	17,102	1/4	1,658	1/4	1/4		1/4		1/4
1/2	94,310	1/2	78,734	1/2	63,151	1/2	47,699	1/2	32,389	1/2	16,776	1/2	1,384	1/2	1/2		1/2		1/2
3/4	93,987	3/4	78,409	3/4	62,826	3/4	47,383	3/4	32,065	3/4	16,451	3/4	1,190	3/4	3/4		3/4		3/4
3	93,663	3	78,085	3	62,501	3	47,067	3	31,740	3	16,125	3	997	3	3		3		3
1/4	93,340	1/4	77,760	1/4	62,177	1/4	46,750	1/4	31,416	1/4	15,800	1/4	804	1/4	1/4		1/4		1/4
1/2	93,016	1/2	77,435	1/2	61,852	1/2	46,434	1/2	31,091	1/2	15,474	1/2	611	1/2	1/2		1/2		1/2
3/4	92,692	3/4	77,111	3/4	61,527	3/4	46,118	3/4	30,767	3/4	15,149	3/4		3/4	3/4		3/4		3/4
4	92,369	4	76,786	4	61,202	4	45,802	4	30,442	4	14,823	4		4	4		4		4
1/4	92,045	1/4	76,461	1/4	60,878	1/4	45,486	1/4	30,118	1/4	14,498	1/4		1/4	1/4		1/4		1/4
1/2	91,721	1/2	76,137	1/2	60,553	1/2	45,170	1/2	29,793	1/2	14,172	1/2		1/2	1/2		1/2		1/2
3/4	91,396	3/4	75,812	3/4	60,228	3/4	44,854	3/4	29,469	3/4	13,847	3/4		3/4	3/4		3/4		3/4
5	91,072	5	75,487	5	59,904	5	44,538	5	29,144	5	13,521	5		5	5		5		5
1/4	90,747	1/4	75,163	1/4	59,579	1/4	44,222	1/4	28,820	1/4	13,196	1/4		1/4	1/4		1/4		1/4
1/2	90,422	1/2	74,838	1/2	59,254	1/2	43,906	1/2	28,495	1/2	12,870	1/2		1/2	1/2		1/2		1/2
3/4	90,098	3/4	74,513	3/4	58,930	3/4	43,590	3/4	28,169	3/4	12,545	3/4		3/4	3/4		3/4		3/4
6	89,773	6	74,188	6	58,605	6	43,274	6	27,844	6	12,219	6		6	6		6		6
1/4	89,448	1/4	73,864	1/4	58,280	1/4	42,957	1/4	27,518	1/4	11,894	1/4		1/4	1/4		1/4		1/4
1/2	89,124	1/2	73,539	1/2	57,956	1/2	42,641	1/2	27,193	1/2	11,568	1/2		1/2	1/2		1/2		1/2
3/4	88,799	3/4	73,214	3/4	57,631	3/4	42,325	3/4	26,867	3/4	11,242	3/4		3/4	3/4		3/4		3/4
7	88,474	7	72,890	7	57,306	7	42,009	7	26,542	7	10,917	7		7	7		7		7
1/4	88,150	1/4	72,565	1/4	56,982	1/4	41,693	1/4	26,216	1/4	10,591	1/4		1/4	1/4		1/4		1/4
1/2	87,825	1/2	72,240	1/2	56,657	1/2	41,377	1/2	25,891	1/2	10,266	1/2		1/2	1/2		1/2		1/2
3/4	87,500	3/4	71,916	3/4	56,332	3/4	41,061	3/4	25,565	3/4	9,940	3/4		3/4	3/4		3/4		3/4
8	87,176	8	71,591	8	56,008	8	40,745	8	25,240	8	9,615	8		8	8		8		8
1/4	86,851	1/4	71,266	1/4	55,683	1/4	40,429	1/4	24,914	1/4	9,289	1/4		1/4	1/4		1/4		1/4
1/2	86,526	1/2	70,942	1/2	55,358	1/2	40,113	1/2	24,589	1/2	8,964	1/2		1/2	1/2		1/2		1/2
3/4	86,202	3/4	70,617	3/4	55,034	3/4	39,797	3/4	24,263	3/4	8,638	3/4		3/4	3/4		3/4		3/4
9	85,877	9	70,292	9	54,709	9	39,481	9	23,938	9	8,313	9		9	9		9		9
1/4	85,552	1/4	69,968	1/4	54,384	1/4	39,165	1/4	23,612	1/4	7,987	1/4		1/4	1/4		1/4		1/4
1/2	85,228	1/2	69,643	1/2	54,060	1/2	38,849	1/2	23,287	1/2	7,662	1/2		1/2	1/2		1/2		1/2
3/4	84,903	3/4	69,318	3/4	53,736	3/4	38,532	3/4	22,961	3/4	7,336	3/4		3/4	3/4		3/4		3/4
10	84,578	10	68,994	10	53,412	10	38,215	10	22,636	10	7,011	10		10	10		10		10
1/4	84,254	1/4	68,669	1/4	53,088	1/4	37,898	1/4	22,310	1/4	6,685	1/4		1/4	1/4		1/4		1/4
1/2	83,929	1/2	68,344	1/2	52,765	1/2	37,582	1/2	21,985	1/2	6,360	1/2		1/2	1/2		1/2		1/2
3/4	83,604	3/4	68,020	3/4	52,448	3/4	37,257	3/4	21,659	3/4	6,034	3/4		3/4	3/4		3/4		3/4
11	83,279	11	67,695	11	52,131	11	36,933	11	21,334	11	5,709	11		11	11		11		11
1/4	82,955	1/4	67,371	1/4	51,814	1/4	36,608	1/4	21,008	1/4	5,384	1/4		1/4	1/4		1/4		1/4
1/2	82,630	1/2	67,046	1/2	51,498	1/2	36,283	1/2	20,682	1/2	5,058	1/2		1/2	1/2		1/2		1/2
3/4	82,305	3/4	66,722	3/4	51,181	3/4	35,959	3/4	20,357	3/4	4,733	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2013 CL - SW
CALCULATED: 01/07/2013 CL
PRINTED: 01/07/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "CBC 309"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 3/4"

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	194,706	0	182,769	0	170,833	0	158,836	0	144,249	0	128,676	0	113,102
1/4	1/4	1/4	1/4	1/4	1/4	1/4	205,561	1/4	194,457	1/4	182,520	1/4	170,584	1/4	158,583	1/4	143,925	1/4	128,351
1/2	1/2	1/2	1/2	1/2	1/2	1/2	205,435	1/2	194,208	1/2	182,272	1/2	170,335	1/2	158,330	1/2	143,600	1/2	128,027
3/4	3/4	3/4	3/4	3/4	3/4	3/4	205,309	3/4	193,960	3/4	182,023	3/4	170,087	3/4	158,078	3/4	143,276	3/4	127,703
1		1		1		1	205,141	1	193,711	1	181,774	1	169,838	1	157,815	1	142,951	1	127,378
1/4	1/4	1/4	1/4	1/4	1/4	1/4	204,973	1/4	193,462	1/4	181,526	1/4	169,589	1/4	157,553	1/4	142,627	1/4	127,054
1/2	1/2	1/2	1/2	1/2	1/2	1/2	204,805	1/2	193,214	1/2	181,277	1/2	169,340	1/2	157,290	1/2	142,302	1/2	126,729
3/4	3/4	3/4	3/4	3/4	3/4	3/4	204,637	3/4	192,965	3/4	181,028	3/4	169,091	3/4	157,028	3/4	141,978	3/4	126,405
2		2		2		2	204,429	2	192,716	2	180,780	2	168,841	2	156,753	2	141,654	2	126,080
1/4	1/4	1/4	1/4	1/4	1/4	1/4	204,220	1/4	192,468	1/4	180,531	1/4	168,591	1/4	156,478	1/4	141,329	1/4	125,756
1/2	1/2	1/2	1/2	1/2	1/2	1/2	204,011	1/2	192,219	1/2	180,282	1/2	168,341	1/2	156,203	1/2	141,005	1/2	125,431
3/4	3/4	3/4	3/4	3/4	3/4	3/4	203,802	3/4	191,970	3/4	180,034	3/4	168,091	3/4	155,928	3/4	140,680	3/4	125,107
3		3		3		3	203,563	3	191,722	3	179,785	3	167,841	3	155,641	3	140,356	3	124,782
1/4	1/4	1/4	1/4	1/4	1/4	1/4	203,323	1/4	191,473	1/4	179,536	1/4	167,591	1/4	155,353	1/4	140,031	1/4	124,458
1/2	1/2	1/2	1/2	1/2	1/2	1/2	203,084	1/2	191,224	1/2	179,288	1/2	167,341	1/2	155,066	1/2	139,707	1/2	124,133
3/4	3/4	3/4	3/4	3/4	3/4	3/4	202,844	3/4	190,976	3/4	179,039	3/4	167,091	3/4	154,778	3/4	139,383	3/4	123,809
4		4		4		4	202,600	4	190,727	4	178,790	4	166,841	4	154,478	4	139,058	4	123,485
1/4	1/4	1/4	1/4	1/4	1/4	1/4	202,356	1/4	190,478	1/4	178,542	1/4	166,591	1/4	154,178	1/4	138,734	1/4	123,160
1/2	1/2	1/2	1/2	1/2	1/2	1/2	202,112	1/2	190,230	1/2	178,293	1/2	166,341	1/2	153,878	1/2	138,409	1/2	122,836
3/4	3/4	3/4	3/4	3/4	3/4	3/4	201,869	3/4	189,981	3/4	178,044	3/4	166,091	3/4	153,578	3/4	138,085	3/4	122,511
5		5		5		5	201,624	5	189,732	5	177,796	5	165,841	5	153,265	5	137,760	5	122,187
1/4	1/4	1/4	1/4	1/4	1/4	1/4	201,379	1/4	189,483	1/4	177,547	1/4	165,591	1/4	152,953	1/4	137,436	1/4	121,862
1/2	1/2	1/2	1/2	1/2	1/2	1/2	201,134	1/2	189,235	1/2	177,298	1/2	165,341	1/2	152,641	1/2	137,112	1/2	121,538
3/4	3/4	3/4	3/4	3/4	3/4	3/4	200,889	3/4	188,986	3/4	177,050	3/4	165,090	3/4	152,328	3/4	136,787	3/4	121,213
6		6		6		6	200,643	6	188,737	6	176,801	6	164,840	6	152,007	6	136,463	6	120,889
1/4	1/4	1/4	1/4	1/4	1/4	1/4	200,398	1/4	188,489	1/4	176,552	1/4	164,590	1/4	151,685	1/4	136,138	1/4	120,564
1/2	1/2	1/2	1/2	1/2	1/2	1/2	200,153	1/2	188,240	1/2	176,304	1/2	164,340	1/2	151,363	1/2	135,814	1/2	120,240
3/4	3/4	3/4	3/4	3/4	3/4	3/4	199,907	3/4	187,991	3/4	176,055	3/4	164,090	3/4	151,042	3/4	135,489	3/4	119,915
7		7		7		7	199,661	7	187,743	7	175,806	7	163,840	7	150,719	7	135,165	7	119,591
1/4	1/4	1/4	1/4	1/4	1/4	1/4	199,415	1/4	187,494	1/4	175,558	1/4	163,590	1/4	150,396	1/4	134,841	1/4	119,267
1/2	1/2	1/2	1/2	1/2	1/2	1/2	199,170	1/2	187,245	1/2	175,309	1/2	163,340	1/2	150,073	1/2	134,516	1/2	118,942
3/4	3/4	3/4	3/4	3/4	3/4	3/4	198,924	3/4	186,997	3/4	175,060	3/4	163,090	3/4	149,750	3/4	134,192	3/4	118,618
8		8		8		8	198,677	8	186,748	8	174,811	8	162,840	8	149,426	8	133,867	8	118,293
1/4	1/4	1/4	1/4	1/4	1/4	1/4	198,431	1/4	186,499	1/4	174,563	1/4	162,590	1/4	149,103	1/4	133,543	1/4	117,969
1/2	1/2	1/2	1/2	1/2	1/2	1/2	198,185	1/2	186,251	1/2	174,314	1/2	162,340	1/2	148,780	1/2	133,218	1/2	117,644
3/4	3/4	3/4	3/4	3/4	3/4	3/4	197,939	3/4	186,002	3/4	174,065	3/4	162,090	3/4	148,456	3/4	132,894	3/4	117,320
9		9		9		9	197,690	9	185,753	9	173,817	9	161,840	9	148,133	9	132,569	9	116,995
1/4	1/4	1/4	1/4	1/4	1/4	1/4	197,441	1/4	185,505	1/4	173,568	1/4	161,590	1/4	147,810	1/4	132,245	1/4	116,671
1/2	1/2	1/2	1/2	1/2	1/2	1/2	197,192	1/2	185,256	1/2	173,319	1/2	161,340	1/2	147,486	1/2	131,921	1/2	116,346
3/4	3/4	3/4	3/4	3/4	3/4	3/4	196,944	3/4	185,007	3/4	173,071	3/4	161,090	3/4	147,163	3/4	131,596	3/4	116,022
10		10		10		10	196,695	10	184,759	10	172,822	10	160,840	10	146,839	10	131,272	10	115,697
1/4	1/4	1/4	1/4	1/4	1/4	1/4	196,446	1/4	184,510	1/4	172,573	1/4	160,590	1/4	146,516	1/4	130,947	1/4	115,373
1/2	1/2	1/2	1/2	1/2	1/2	1/2	196,198	1/2	184,261	1/2	172,325	1/2	160,340	1/2	146,192	1/2	130,623	1/2	115,049
3/4	3/4	3/4	3/4	3/4	3/4	3/4	195,949	3/4	184,013	3/4	172,076	3/4	160,090	3/4	145,868	3/4	130,298	3/4	114,724
11		11		11		11	195,700	11	183,764	11	171,827	11	159,839	11	145,545	11	129,974	11	114,400
1/4	1/4	1/4	1/4	1/4	1/4	1/4	195,452	1/4	183,515	1/4	171,579	1/4	159,589	1/4	145,221	1/4	129,649	1/4	114,075
1/2	1/2	1/2	1/2	1/2	1/2	1/2	195,203	1/2	183,267	1/2	171,330	1/2	159,339	1/2	144,897	1/2	129,325	1/2	113,751
3/4	3/4	3/4	3/4	3/4	3/4	3/4	194,954	3/4	183,018	3/4	171,081	3/4	159,089	3/4	144,574	3/4	129,000	3/4	113,426

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 309"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 3/4"

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	97,559	0	81,992	0	66,406	0	50,897	0	35,965	0	20,360	0	4,734	0		0		0	
1/4	97,235	1/4	81,668	1/4	66,082	1/4	50,586	1/4	35,640	1/4	20,035	1/4	4,409	1/4	1/4	1/4	1/4	1/4	1/4
1/2	96,912	1/2	81,343	1/2	65,757	1/2	50,275	1/2	35,315	1/2	19,709	1/2	4,084	1/2	1/2	1/2	1/2	1/2	1/2
3/4	96,588	3/4	81,018	3/4	65,432	3/4	49,965	3/4	34,991	3/4	19,383	3/4	3,759	3/4	3/4	3/4	3/4	3/4	3/4
1	96,264	1	80,693	1	65,108	1	49,654	1	34,666	1	19,058	1	3,440	1	1	1	1	1	1
1/4	95,941	1/4	80,369	1/4	64,783	1/4	49,344	1/4	34,342	1/4	18,732	1/4	3,121	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,617	1/2	80,044	1/2	64,458	1/2	49,034	1/2	34,017	1/2	18,407	1/2	2,802	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,294	3/4	79,719	3/4	64,133	3/4	48,724	3/4	33,693	3/4	18,081	3/4	2,483	3/4	3/4	3/4	3/4	3/4	3/4
2	94,970	2	79,395	2	63,809	2	48,414	2	33,368	2	17,756	2	2,208	2	2	2	2	2	2
1/4	94,646	1/4	79,070	1/4	63,484	1/4	48,104	1/4	33,044	1/4	17,430	1/4	1,933	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,323	1/2	78,745	1/2	63,159	1/2	47,795	1/2	32,719	1/2	17,104	1/2	1,659	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,999	3/4	78,420	3/4	62,834	3/4	47,485	3/4	32,394	3/4	16,779	3/4	1,384	3/4	3/4	3/4	3/4	3/4	3/4
3	93,675	3	78,096	3	62,510	3	47,176	3	32,070	3	16,453	3	1,191	3	3	3	3	3	3
1/4	93,352	1/4	77,771	1/4	62,185	1/4	46,867	1/4	31,745	1/4	16,128	1/4	997	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,028	1/2	77,446	1/2	61,860	1/2	46,558	1/2	31,421	1/2	15,802	1/2	804	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,705	3/4	77,121	3/4	61,536	3/4	46,248	3/4	31,096	3/4	15,477	3/4	611	3/4	3/4	3/4	3/4	3/4	3/4
4	92,381	4	76,797	4	61,211	4	45,939	4	30,772	4	15,151	4		4	4	4	4	4	4
1/4	92,057	1/4	76,472	1/4	60,886	1/4	45,630	1/4	30,447	1/4	14,825	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,733	1/2	76,147	1/2	60,561	1/2	45,321	1/2	30,123	1/2	14,500	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,410	3/4	75,823	3/4	60,237	3/4	45,011	3/4	29,798	3/4	14,174	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	91,085	5	75,498	5	59,912	5	44,702	5	29,473	5	13,849	5	5	5	5	5	5	5	5
1/4	90,760	1/4	75,173	1/4	59,587	1/4	44,393	1/4	29,149	1/4	13,523	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,435	1/2	74,848	1/2	59,262	1/2	44,084	1/2	28,824	1/2	13,198	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,111	3/4	74,524	3/4	58,938	3/4	43,775	3/4	28,499	3/4	12,872	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	89,786	6	74,199	6	58,613	6	43,465	6	28,174	6	12,547	6	6	6	6	6	6	6	6
1/4	89,461	1/4	73,874	1/4	58,288	1/4	43,156	1/4	27,848	1/4	12,221	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,136	1/2	73,549	1/2	57,964	1/2	42,847	1/2	27,523	1/2	11,895	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,812	3/4	73,225	3/4	57,639	3/4	42,538	3/4	27,197	3/4	11,570	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	88,487	7	72,900	7	57,314	7	42,229	7	26,871	7	11,244	7	7	7	7	7	7	7	7
1/4	88,162	1/4	72,575	1/4	56,989	1/4	41,919	1/4	26,546	1/4	10,919	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,837	1/2	72,250	1/2	56,665	1/2	41,610	1/2	26,220	1/2	10,593	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,513	3/4	71,926	3/4	56,340	3/4	41,301	3/4	25,895	3/4	10,268	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	87,188	8	71,601	8	56,015	8	40,992	8	25,569	8	9,942	8	8	8	8	8	8	8	8
1/4	86,863	1/4	71,276	1/4	55,690	1/4	40,682	1/4	25,244	1/4	9,616	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,539	1/2	70,952	1/2	55,366	1/2	40,373	1/2	24,918	1/2	9,291	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,214	3/4	70,627	3/4	55,041	3/4	40,064	3/4	24,593	3/4	8,965	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	85,889	9	70,302	9	54,716	9	39,755	9	24,267	9	8,640	9	9	9	9	9	9	9	9
1/4	85,564	1/4	69,977	1/4	54,392	1/4	39,446	1/4	23,941	1/4	8,314	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,240	1/2	69,653	1/2	54,067	1/2	39,137	1/2	23,616	1/2	7,989	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,915	3/4	69,328	3/4	53,742	3/4	38,827	3/4	23,290	3/4	7,663	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	84,590	10	69,003	10	53,419	10	38,517	10	22,965	10	7,337	10	10	10	10	10	10	10	10
1/4	84,265	1/4	68,679	1/4	53,096	1/4	38,206	1/4	22,639	1/4	7,012	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,941	1/2	68,354	1/2	52,773	1/2	37,895	1/2	22,314	1/2	6,686	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,616	3/4	68,029	3/4	52,450	3/4	37,585	3/4	21,988	3/4	6,361	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	83,291	11	67,705	11	52,139	11	37,261	11	21,662	11	6,035	11	11	11	11	11	11	11	11
1/4	82,967	1/4	67,380	1/4	51,829	1/4	36,937	1/4	21,337	1/4	5,710	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,642	1/2	67,055	1/2	51,518	1/2	36,613	1/2	21,011	1/2	5,384	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,317	3/4	66,731	3/4	51,207	3/4	36,289	3/4	20,686	3/4	5,059	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2013 CL - SW
CALCULATED: 01/07/2013 CL
PRINTED: 01/07/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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