



BARGE "CBC 311"

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	- 00-1/8	00-1/8	- 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	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4
2 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2
3 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
3 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

(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 29, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 311"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	584	0	13,224	0	28,393	0	44,005	0	59,693	0	75,396	0	91,099	0	106,802	0	122,505	0	138,206
1/4	719	1/4	13,525	1/4	28,721	1/4	44,330	1/4	60,020	1/4	75,723	1/4	91,426	1/4	107,129	1/4	122,832	1/4	138,533
1/2	854	1/2	13,825	1/2	29,048	1/2	44,654	1/2	60,347	1/2	76,050	1/2	91,753	1/2	107,456	1/2	123,159	1/2	138,860
3/4	988	3/4	14,126	3/4	29,375	3/4	44,978	3/4	60,674	3/4	76,377	3/4	92,080	3/4	107,783	3/4	123,486	3/4	139,187
1	1,123	1	14,427	1	29,702	1	45,303	1	61,001	1	76,704	1	92,407	1	108,110	1	123,813	1	139,514
1/4	1,335	1/4	14,731	1/4	30,029	1/4	45,629	1/4	61,329	1/4	77,031	1/4	92,734	1/4	108,437	1/4	124,140	1/4	139,841
1/2	1,547	1/2	15,035	1/2	30,356	1/2	45,956	1/2	61,656	1/2	77,359	1/2	93,062	1/2	108,764	1/2	124,467	1/2	140,168
3/4	1,759	3/4	15,339	3/4	30,683	3/4	46,282	3/4	61,983	3/4	77,686	3/4	93,389	3/4	109,092	3/4	124,795	3/4	140,495
2	1,972	2	15,644	2	31,011	2	46,609	2	62,310	2	78,013	2	93,716	2	109,419	2	125,122	2	140,823
1/4	2,232	1/4	15,951	1/4	31,338	1/4	46,936	1/4	62,637	1/4	78,340	1/4	94,043	1/4	109,746	1/4	125,449	1/4	141,150
1/2	2,492	1/2	16,259	1/2	31,665	1/2	47,262	1/2	62,964	1/2	78,667	1/2	94,370	1/2	110,073	1/2	125,776	1/2	141,477
3/4	2,752	3/4	16,566	3/4	31,992	3/4	47,589	3/4	63,291	3/4	78,994	3/4	94,697	3/4	110,400	3/4	126,103	3/4	141,804
3	3,013	3	16,874	3	32,319	3	47,916	3	63,619	3	79,321	3	95,024	3	110,727	3	126,430	3	142,131
1/4	3,282	1/4	17,185	1/4	32,644	1/4	48,243	1/4	63,946	1/4	79,649	1/4	95,352	1/4	111,055	1/4	126,757	1/4	142,458
1/2	3,552	1/2	17,496	1/2	32,970	1/2	48,570	1/2	64,273	1/2	79,976	1/2	95,679	1/2	111,382	1/2	127,085	1/2	142,785
3/4	3,821	3/4	17,807	3/4	33,295	3/4	48,897	3/4	64,600	3/4	80,303	3/4	96,006	3/4	111,709	3/4	127,412	3/4	143,112
4	4,091	4	18,118	4	33,621	4	49,224	4	64,927	4	80,630	4	96,333	4	112,036	4	127,739	4	143,439
1/4	4,364	1/4	18,432	1/4	33,946	1/4	49,551	1/4	65,254	1/4	80,957	1/4	96,660	1/4	112,363	1/4	128,066	1/4	143,766
1/2	4,637	1/2	18,746	1/2	34,271	1/2	49,878	1/2	65,581	1/2	81,284	1/2	96,987	1/2	112,690	1/2	128,393	1/2	144,093
3/4	4,911	3/4	19,061	3/4	34,596	3/4	50,206	3/4	65,909	3/4	81,611	3/4	97,314	3/4	113,017	3/4	128,720	3/4	144,420
5	5,184	5	19,375	5	34,921	5	50,533	5	66,236	5	81,939	5	97,642	5	113,345	5	129,047	5	144,747
1/4	5,461	1/4	19,693	1/4	35,246	1/4	50,860	1/4	66,563	1/4	82,266	1/4	97,969	1/4	113,672	1/4	129,375	1/4	145,074
1/2	5,738	1/2	20,011	1/2	35,570	1/2	51,187	1/2	66,890	1/2	82,593	1/2	98,296	1/2	113,999	1/2	129,702	1/2	145,401
3/4	6,015	3/4	20,328	3/4	35,895	3/4	51,514	3/4	67,217	3/4	82,920	3/4	98,623	3/4	114,326	3/4	130,029	3/4	145,729
6	6,292	6	20,646	6	36,219	6	51,841	6	67,544	6	83,247	6	98,950	6	114,653	6	130,356	6	146,056
1/4	6,572	1/4	20,967	1/4	36,544	1/4	52,168	1/4	67,871	1/4	83,574	1/4	99,277	1/4	114,980	1/4	130,683	1/4	146,383
1/2	6,853	1/2	21,289	1/2	36,868	1/2	52,496	1/2	68,199	1/2	83,902	1/2	99,604	1/2	115,307	1/2	131,010	1/2	146,710
3/4	7,133	3/4	21,610	3/4	37,192	3/4	52,823	3/4	68,526	3/4	84,229	3/4	99,932	3/4	115,635	3/4	131,337	3/4	147,037
7	7,413	7	21,931	7	37,517	7	53,150	7	68,853	7	84,556	7	100,259	7	115,962	7	131,665	7	147,364
1/4	7,697	1/4	22,248	1/4	37,841	1/4	53,477	1/4	69,180	1/4	84,883	1/4	100,586	1/4	116,289	1/4	131,992	1/4	147,691
1/2	7,981	1/2	22,565	1/2	38,166	1/2	53,804	1/2	69,507	1/2	85,210	1/2	100,913	1/2	116,616	1/2	132,319	1/2	148,018
3/4	8,264	3/4	22,882	3/4	38,490	3/4	54,131	3/4	69,834	3/4	85,537	3/4	101,240	3/4	116,943	3/4	132,646	3/4	148,345
8	8,548	8	23,199	8	38,815	8	54,458	8	70,161	8	85,864	8	101,567	8	117,270	8	132,973	8	148,672
1/4	8,835	1/4	23,517	1/4	39,139	1/4	54,786	1/4	70,489	1/4	86,192	1/4	101,894	1/4	117,597	1/4	133,300	1/4	148,999
1/2	9,122	1/2	23,836	1/2	39,463	1/2	55,113	1/2	70,816	1/2	86,519	1/2	102,222	1/2	117,925	1/2	133,627	1/2	149,326
3/4	9,410	3/4	24,154	3/4	39,788	3/4	55,440	3/4	71,143	3/4	86,846	3/4	102,549	3/4	118,252	3/4	133,954	3/4	149,653
9	9,697	9	24,472	9	40,112	9	55,767	9	71,470	9	87,173	9	102,876	9	118,579	9	134,281	9	149,980
1/4	9,987	1/4	24,798	1/4	40,437	1/4	56,094	1/4	71,797	1/4	87,500	1/4	103,203	1/4	118,906	1/4	134,608	1/4	150,307
1/2	10,278	1/2	25,124	1/2	40,761	1/2	56,421	1/2	72,124	1/2	87,827	1/2	103,530	1/2	119,233	1/2	134,935	1/2	150,635
3/4	10,568	3/4	25,450	3/4	41,085	3/4	56,748	3/4	72,451	3/4	88,154	3/4	103,857	3/4	119,560	3/4	135,262	3/4	150,962
10	10,859	10	25,776	10	41,410	10	57,076	10	72,779	10	88,482	10	104,184	10	119,887	10	135,589	10	151,289
1/4	11,153	1/4	26,104	1/4	41,734	1/4	57,403	1/4	73,106	1/4	88,809	1/4	104,512	1/4	120,215	1/4	135,917	1/4	151,616
1/2	11,447	1/2	26,431	1/2	42,059	1/2	57,730	1/2	73,433	1/2	89,136	1/2	104,839	1/2	120,542	1/2	136,244	1/2	151,943
3/4	11,741	3/4	26,758	3/4	42,383	3/4	58,057	3/4	73,760	3/4	89,463	3/4	105,166	3/4	120,869	3/4	136,571	3/4	152,270
11	12,035	11	27,085	11	42,708	11	58,384	11	74,087	11	89,790	11	105,493	11	121,196	11	136,898	11	152,597
1/4	12,332	1/4	27,412	1/4	43,032	1/4	58,711	1/4	74,414	1/4	90,117	1/4	105,820	1/4	121,523	1/4	137,225	1/4	152,924
1/2	12,629	1/2	27,739	1/2	43,356	1/2	59,039	1/2	74,741	1/2	90,444	1/2	106,147	1/2	121,850	1/2	137,552	1/2	153,251
3/4	12,927	3/4	28,066	3/4	43,681	3/4	59,366	3/4	75,069	3/4	90,772	3/4	106,474	3/4	122,177	3/4	137,879	3/4	153,578

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'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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 P.O. Box 2092
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BARGE "CBC 311"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	153,905	0	169,604	0	185,232	0	200,843	0	216,367	0		0		0		0		0	
1/4	154,232	1/4	169,931	1/4	185,557	1/4	201,168	1/4	216,680	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,559	1/2	170,259	1/2	185,882	1/2	201,494	1/2	216,994	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,886	3/4	170,586	3/4	186,207	3/4	201,819	3/4	217,307	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	155,213	1	170,913	1	186,533	1	202,144	1	217,620	1	1	1	1	1	1	1	1	1	1
1/4	155,541	1/4	171,240	1/4	186,858	1/4	202,469	1/4	217,893	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,868	1/2	171,567	1/2	187,183	1/2	202,795	1/2	218,166	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,195	3/4	171,894	3/4	187,508	3/4	203,120	3/4	218,439	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	156,522	2	172,221	2	187,833	2	203,445	2	218,712	2	2	2	2	2	2	2	2	2	2
1/4	156,849	1/4	172,546	1/4	188,159	1/4	203,770	1/4	218,932	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,176	1/2	172,872	1/2	188,484	1/2	204,096	1/2	219,151	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,503	3/4	173,197	3/4	188,809	3/4	204,421	3/4	219,371	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	157,830	3	173,523	3	189,134	3	204,746	3	219,591	3	3	3	3	3	3	3	3	3	3
1/4	158,157	1/4	173,848	1/4	189,460	1/4	205,071	1/4	219,756	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,484	1/2	174,173	1/2	189,785	1/2	205,397	1/2	219,921	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,811	3/4	174,499	3/4	190,110	3/4	205,722	3/4	219,921	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	159,138	4	174,824	4	190,435	4	206,047	4	219,921	4	4	4	4	4	4	4	4	4	4
1/4	159,465	1/4	175,149	1/4	190,761	1/4	206,372	1/4	219,921	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,792	1/2	175,474	1/2	191,086	1/2	206,698	1/2	219,921	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,119	3/4	175,800	3/4	191,411	3/4	207,023	3/4	219,921	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	160,447	5	176,125	5	191,736	5	207,348	5	219,921	5	5	5	5	5	5	5	5	5	5
1/4	160,774	1/4	176,450	1/4	192,062	1/4	207,673	1/4	219,921	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,101	1/2	176,775	1/2	192,387	1/2	207,999	1/2	219,921	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,428	3/4	177,100	3/4	192,712	3/4	208,324	3/4	219,921	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	161,755	6	177,426	6	193,037	6	208,649	6	219,921	6	6	6	6	6	6	6	6	6	6
1/4	162,082	1/4	177,751	1/4	193,363	1/4	208,974	1/4	219,921	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,409	1/2	178,076	1/2	193,688	1/2	209,299	1/2	219,921	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,736	3/4	178,401	3/4	194,013	3/4	209,625	3/4	219,921	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	163,063	7	178,727	7	194,338	7	209,950	7	219,921	7	7	7	7	7	7	7	7	7	7
1/4	163,390	1/4	179,052	1/4	194,664	1/4	210,272	1/4	219,921	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,717	1/2	179,377	1/2	194,989	1/2	210,594	1/2	219,921	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,044	3/4	179,702	3/4	195,314	3/4	210,916	3/4	219,921	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	164,371	8	180,028	8	195,639	8	211,239	8	219,921	8	8	8	8	8	8	8	8	8	8
1/4	164,698	1/4	180,353	1/4	195,965	1/4	211,560	1/4	219,921	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,025	1/2	180,678	1/2	196,290	1/2	211,882	1/2	219,921	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,353	3/4	181,003	3/4	196,615	3/4	212,203	3/4	219,921	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	165,680	9	181,329	9	196,940	9	212,525	9	219,921	9	9	9	9	9	9	9	9	9	9
1/4	166,007	1/4	181,654	1/4	197,266	1/4	212,846	1/4	219,921	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,334	1/2	181,979	1/2	197,591	1/2	213,167	1/2	219,921	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,661	3/4	182,304	3/4	197,916	3/4	213,488	3/4	219,921	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	166,988	10	182,630	10	198,241	10	213,809	10	219,921	10	10	10	10	10	10	10	10	10	10
1/4	167,315	1/4	182,955	1/4	198,566	1/4	214,129	1/4	219,921	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	167,642	1/2	183,280	1/2	198,892	1/2	214,450	1/2	219,921	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	167,969	3/4	183,605	3/4	199,217	3/4	214,770	3/4	219,921	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	168,296	11	183,931	11	199,542	11	215,090	11	219,921	11	11	11	11	11	11	11	11	11	11
1/4	168,623	1/4	184,256	1/4	199,867	1/4	215,410	1/4	219,921	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	168,950	1/2	184,581	1/2	200,193	1/2	215,729	1/2	219,921	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	169,277	3/4	184,906	3/4	200,518	3/4	216,048	3/4	219,921	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: 01/29/2013 CL - SW
CALCULATED: 01/30/2013 CL
PRINTED: 01/30/2013 SW

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 311"

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	584	0	13,214	0	28,373	0	44,026	0	59,711	0	75,403	0	91,095	0	106,786	0	122,478	0	138,168
1/4	718	1/4	13,515	1/4	28,700	1/4	44,352	1/4	60,038	1/4	75,730	1/4	91,422	1/4	107,113	1/4	122,805	1/4	138,495
1/2	853	1/2	13,815	1/2	29,027	1/2	44,678	1/2	60,365	1/2	76,057	1/2	91,749	1/2	107,440	1/2	123,132	1/2	138,822
3/4	988	3/4	14,116	3/4	29,354	3/4	45,004	3/4	60,692	3/4	76,384	3/4	92,075	3/4	107,767	3/4	123,459	3/4	139,149
1	1,122	1	14,416	1	29,681	1	45,331	1	61,019	1	76,711	1	92,402	1	108,094	1	123,786	1	139,476
1/4	1,334	1/4	14,720	1/4	30,007	1/4	45,657	1/4	61,346	1/4	77,038	1/4	92,729	1/4	108,421	1/4	124,113	1/4	139,803
1/2	1,546	1/2	15,024	1/2	30,334	1/2	45,983	1/2	61,673	1/2	77,364	1/2	93,056	1/2	108,748	1/2	124,440	1/2	140,129
3/4	1,758	3/4	15,328	3/4	30,660	3/4	46,310	3/4	62,000	3/4	77,691	3/4	93,383	3/4	109,075	3/4	124,767	3/4	140,456
2	1,970	2	15,632	2	30,986	2	46,636	2	62,326	2	78,018	2	93,710	2	109,402	2	125,094	2	140,783
1/4	2,230	1/4	15,940	1/4	31,313	1/4	46,963	1/4	62,653	1/4	78,345	1/4	94,037	1/4	109,729	1/4	125,420	1/4	141,110
1/2	2,490	1/2	16,247	1/2	31,639	1/2	47,290	1/2	62,980	1/2	78,672	1/2	94,364	1/2	110,056	1/2	125,747	1/2	141,437
3/4	2,750	3/4	16,554	3/4	31,966	3/4	47,616	3/4	63,307	3/4	78,999	3/4	94,691	3/4	110,383	3/4	126,074	3/4	141,764
3	3,010	3	16,862	3	32,292	3	47,943	3	63,634	3	79,326	3	95,018	3	110,709	3	126,401	3	142,090
1/4	3,280	1/4	17,172	1/4	32,619	1/4	48,269	1/4	63,961	1/4	79,653	1/4	95,345	1/4	111,036	1/4	126,728	1/4	142,417
1/2	3,549	1/2	17,483	1/2	32,945	1/2	48,596	1/2	64,288	1/2	79,980	1/2	95,671	1/2	111,363	1/2	127,055	1/2	142,744
3/4	3,818	3/4	17,794	3/4	33,272	3/4	48,923	3/4	64,615	3/4	80,307	3/4	95,998	3/4	111,690	3/4	127,382	3/4	143,071
4	4,088	4	18,104	4	33,598	4	49,250	4	64,942	4	80,634	4	96,325	4	112,017	4	127,709	4	143,398
1/4	4,361	1/4	18,419	1/4	33,924	1/4	49,577	1/4	65,269	1/4	80,960	1/4	96,652	1/4	112,344	1/4	128,036	1/4	143,725
1/2	4,634	1/2	18,733	1/2	34,251	1/2	49,904	1/2	65,596	1/2	81,287	1/2	96,979	1/2	112,671	1/2	128,363	1/2	144,051
3/4	4,907	3/4	19,047	3/4	34,577	3/4	50,231	3/4	65,923	3/4	81,614	3/4	97,306	3/4	112,998	3/4	128,690	3/4	144,378
5	5,180	5	19,361	5	34,904	5	50,558	5	66,249	5	81,941	5	97,633	5	113,325	5	129,016	5	144,705
1/4	5,457	1/4	19,679	1/4	35,229	1/4	50,885	1/4	66,576	1/4	82,268	1/4	97,960	1/4	113,652	1/4	129,343	1/4	145,032
1/2	5,734	1/2	19,996	1/2	35,555	1/2	51,211	1/2	66,903	1/2	82,595	1/2	98,287	1/2	113,979	1/2	129,670	1/2	145,359
3/4	6,011	3/4	20,314	3/4	35,881	3/4	51,538	3/4	67,230	3/4	82,922	3/4	98,614	3/4	114,305	3/4	129,997	3/4	145,686
6	6,287	6	20,631	6	36,207	6	51,865	6	67,557	6	83,249	6	98,941	6	114,632	6	130,324	6	146,012
1/4	6,567	1/4	20,952	1/4	36,533	1/4	52,192	1/4	67,884	1/4	83,576	1/4	99,268	1/4	114,959	1/4	130,651	1/4	146,339
1/2	6,847	1/2	21,273	1/2	36,858	1/2	52,519	1/2	68,211	1/2	83,903	1/2	99,594	1/2	115,286	1/2	130,978	1/2	146,666
3/4	7,128	3/4	21,594	3/4	37,184	3/4	52,846	3/4	68,538	3/4	84,230	3/4	99,921	3/4	115,613	3/4	131,305	3/4	146,993
7	7,408	7	21,915	7	37,510	7	53,173	7	68,865	7	84,556	7	100,248	7	115,940	7	131,632	7	147,320
1/4	7,691	1/4	22,232	1/4	37,835	1/4	53,500	1/4	69,192	1/4	84,883	1/4	100,575	1/4	116,267	1/4	131,959	1/4	147,647
1/2	7,975	1/2	22,549	1/2	38,161	1/2	53,827	1/2	69,519	1/2	85,210	1/2	100,902	1/2	116,594	1/2	132,285	1/2	147,973
3/4	8,258	3/4	22,865	3/4	38,487	3/4	54,154	3/4	69,845	3/4	85,537	3/4	101,229	3/4	116,921	3/4	132,612	3/4	148,300
8	8,542	8	23,182	8	38,813	8	54,481	8	70,172	8	85,864	8	101,556	8	117,248	8	132,939	8	148,627
1/4	8,829	1/4	23,500	1/4	39,138	1/4	54,808	1/4	70,499	1/4	86,191	1/4	101,883	1/4	117,575	1/4	133,266	1/4	148,954
1/2	9,116	1/2	23,818	1/2	39,464	1/2	55,134	1/2	70,826	1/2	86,518	1/2	102,210	1/2	117,901	1/2	133,593	1/2	149,281
3/4	9,403	3/4	24,136	3/4	39,790	3/4	55,461	3/4	71,153	3/4	86,845	3/4	102,537	3/4	118,228	3/4	133,920	3/4	149,608
9	9,690	9	24,454	9	40,115	9	55,788	9	71,480	9	87,172	9	102,864	9	118,555	9	134,246	9	149,934
1/4	9,980	1/4	24,780	1/4	40,441	1/4	56,115	1/4	71,807	1/4	87,499	1/4	103,190	1/4	118,882	1/4	134,573	1/4	150,261
1/2	10,270	1/2	25,106	1/2	40,767	1/2	56,442	1/2	72,134	1/2	87,826	1/2	103,517	1/2	119,209	1/2	134,900	1/2	150,588
3/4	10,561	3/4	25,432	3/4	41,093	3/4	56,769	3/4	72,461	3/4	88,153	3/4	103,844	3/4	119,536	3/4	135,227	3/4	150,915
10	10,851	10	25,758	10	41,418	10	57,096	10	72,788	10	88,479	10	104,171	10	119,863	10	135,554	10	151,242
1/4	11,145	1/4	26,085	1/4	41,744	1/4	57,423	1/4	73,115	1/4	88,806	1/4	104,498	1/4	120,190	1/4	135,881	1/4	151,569
1/2	11,438	1/2	26,412	1/2	42,070	1/2	57,750	1/2	73,441	1/2	89,133	1/2	104,825	1/2	120,517	1/2	136,207	1/2	151,896
3/4	11,732	3/4	26,738	3/4	42,396	3/4	58,077	3/4	73,768	3/4	89,460	3/4	105,152	3/4	120,844	3/4	136,534	3/4	152,222
11	12,026	11	27,065	11	42,721	11	58,404	11	74,095	11	89,787	11	105,479	11	121,171	11	136,861	11	152,549
1/4	12,323	1/4	27,392	1/4	43,047	1/4	58,730	1/4	74,422	1/4	90,114	1/4	105,806	1/4	121,498	1/4	137,188	1/4	152,876
1/2	12,620	1/2	27,719	1/2	43,373	1/2	59,057	1/2	74,749	1/2	90,441	1/2	106,133	1/2	121,824	1/2	137,515	1/2	153,203
3/4	12,917	3/4	28,046	3/4	43,700	3/4	59,384	3/4	75,076	3/4	90,768	3/4	106,460	3/4	122,151	3/4	137,842	3/4	153,530

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'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 311"

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	153,857	0	169,545	0	185,161	0	200,761	0	216,274	0		0		0		0		0	
1/4	154,183	1/4	169,871	1/4	185,486	1/4	201,086	1/4	216,587	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,510	1/2	170,198	1/2	185,811	1/2	201,411	1/2	216,900	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,837	3/4	170,525	3/4	186,136	3/4	201,736	3/4	217,213	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	155,164	1	170,852	1	186,461	1	202,061	1	217,526	1	1	1	1	1	1	1	1	1	1
1/4	155,491	1/4	171,179	1/4	186,786	1/4	202,386	1/4	217,799	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,818	1/2	171,506	1/2	187,111	1/2	202,711	1/2	218,072	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,144	3/4	171,832	3/4	187,436	3/4	203,036	3/4	218,344	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	156,471	2	172,159	2	187,761	2	203,361	2	218,617	2	2	2	2	2	2	2	2	2	2
1/4	156,798	1/4	172,484	1/4	188,086	1/4	203,686	1/4	218,837	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,125	1/2	172,810	1/2	188,411	1/2	204,011	1/2	219,056	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,452	3/4	173,135	3/4	188,736	3/4	204,336	3/4	219,276	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	157,779	3	173,460	3	189,061	3	204,661	3	219,495	3	3	3	3	3	3	3	3	3	3
1/4	158,105	1/4	173,785	1/4	189,386	1/4	204,986	1/4	219,660	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,432	1/2	174,110	1/2	189,711	1/2	205,311	1/2	219,825	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,759	3/4	174,435	3/4	190,036	3/4	205,636	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	159,086	4	174,760	4	190,361	4	205,961	4		4	4	4	4	4	4	4	4	4	4
1/4	159,413	1/4	175,085	1/4	190,686	1/4	206,286	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,740	1/2	175,410	1/2	191,011	1/2	206,611	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,066	3/4	175,735	3/4	191,336	3/4	206,936	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	160,393	5	176,060	5	191,661	5	207,261	5		5	5	5	5	5	5	5	5	5	5
1/4	160,720	1/4	176,385	1/4	191,986	1/4	207,586	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,047	1/2	176,710	1/2	192,311	1/2	207,911	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,374	3/4	177,035	3/4	192,636	3/4	208,236	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	161,701	6	177,360	6	192,961	6	208,561	6		6	6	6	6	6	6	6	6	6	6
1/4	162,027	1/4	177,685	1/4	193,286	1/4	208,886	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,354	1/2	178,010	1/2	193,611	1/2	209,211	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,681	3/4	178,335	3/4	193,936	3/4	209,536	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	163,008	7	178,660	7	194,261	7	209,861	7		7	7	7	7	7	7	7	7	7	7
1/4	163,335	1/4	178,985	1/4	194,586	1/4	210,183	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,662	1/2	179,310	1/2	194,911	1/2	210,505	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,988	3/4	179,635	3/4	195,236	3/4	210,827	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	164,315	8	179,960	8	195,561	8	211,149	8		8	8	8	8	8	8	8	8	8	8
1/4	164,642	1/4	180,285	1/4	195,886	1/4	211,470	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,969	1/2	180,610	1/2	196,211	1/2	211,792	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,296	3/4	180,935	3/4	196,536	3/4	212,113	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	165,623	9	181,260	9	196,861	9	212,434	9		9	9	9	9	9	9	9	9	9	9
1/4	165,949	1/4	181,585	1/4	197,186	1/4	212,755	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,276	1/2	181,910	1/2	197,511	1/2	213,076	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,603	3/4	182,235	3/4	197,836	3/4	213,397	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	166,930	10	182,560	10	198,161	10	213,718	10		10	10	10	10	10	10	10	10	10	10
1/4	167,257	1/4	182,885	1/4	198,486	1/4	214,038	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	167,584	1/2	183,210	1/2	198,811	1/2	214,358	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	167,910	3/4	183,535	3/4	199,136	3/4	214,678	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	168,237	11	183,860	11	199,461	11	214,998	11		11	11	11	11	11	11	11	11	11	11
1/4	168,564	1/4	184,186	1/4	199,786	1/4	215,317	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	168,891	1/2	184,511	1/2	200,111	1/2	215,636	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	169,218	3/4	184,836	3/4	200,436	3/4	215,955	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: 01/29/2013 CL - SW
CALCULATED: 01/30/2013 CL
PRINTED: 01/30/2013 SW

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 311"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	593	0	15,009	0	30,164	0	45,138	0	60,214	0	75,369	0	90,524	0	105,679	0	120,834	0	135,988
1/4	780	1/4	15,325	1/4	30,479	1/4	45,447	1/4	60,530	1/4	75,685	1/4	90,840	1/4	105,995	1/4	121,150	1/4	136,303
1/2	968	1/2	15,641	1/2	30,795	1/2	45,757	1/2	60,846	1/2	76,001	1/2	91,156	1/2	106,311	1/2	121,466	1/2	136,619
3/4	1,155	3/4	15,956	3/4	31,111	3/4	46,066	3/4	61,161	3/4	76,316	3/4	91,471	3/4	106,626	3/4	121,781	3/4	136,935
1	1,343	1	16,272	1	31,427	1	46,375	1	61,477	1	76,632	1	91,787	1	106,942	1	122,097	1	137,250
1/4	1,609	1/4	16,588	1/4	31,742	1/4	46,684	1/4	61,793	1/4	76,948	1/4	92,103	1/4	107,258	1/4	122,413	1/4	137,566
1/2	1,875	1/2	16,903	1/2	32,058	1/2	46,994	1/2	62,108	1/2	77,263	1/2	92,419	1/2	107,574	1/2	122,729	1/2	137,882
3/4	2,142	3/4	17,219	3/4	32,374	3/4	47,303	3/4	62,424	3/4	77,579	3/4	92,734	3/4	107,889	3/4	123,044	3/4	138,197
2	2,408	2	17,535	2	32,690	2	47,613	2	62,740	2	77,895	2	93,050	2	108,205	2	123,360	2	138,513
1/4	2,718	1/4	17,851	1/4	33,005	1/4	47,922	1/4	63,056	1/4	78,211	1/4	93,366	1/4	108,521	1/4	123,676	1/4	138,829
1/2	3,027	1/2	18,166	1/2	33,321	1/2	48,232	1/2	63,371	1/2	78,526	1/2	93,681	1/2	108,836	1/2	123,991	1/2	139,144
3/4	3,336	3/4	18,482	3/4	33,637	3/4	48,541	3/4	63,687	3/4	78,842	3/4	93,997	3/4	109,152	3/4	124,307	3/4	139,460
3	3,646	3	18,798	3	33,952	3	48,851	3	64,003	3	79,158	3	94,313	3	109,468	3	124,623	3	139,776
1/4	3,961	1/4	19,114	1/4	34,268	1/4	49,166	1/4	64,319	1/4	79,474	1/4	94,629	1/4	109,784	1/4	124,939	1/4	140,091
1/2	4,276	1/2	19,429	1/2	34,584	1/2	49,481	1/2	64,634	1/2	79,789	1/2	94,944	1/2	110,099	1/2	125,254	1/2	140,407
3/4	4,591	3/4	19,745	3/4	34,900	3/4	49,796	3/4	64,950	3/4	80,105	3/4	95,260	3/4	110,415	3/4	125,570	3/4	140,722
4	4,907	4	20,061	4	35,215	4	50,111	4	65,266	4	80,421	4	95,576	4	110,731	4	125,886	4	141,038
1/4	5,222	1/4	20,376	1/4	35,531	1/4	50,426	1/4	65,581	1/4	80,736	1/4	95,892	1/4	111,047	1/4	126,202	1/4	141,354
1/2	5,538	1/2	20,692	1/2	35,847	1/2	50,742	1/2	65,897	1/2	81,052	1/2	96,207	1/2	111,362	1/2	126,517	1/2	141,669
3/4	5,853	3/4	21,008	3/4	36,162	3/4	51,058	3/4	66,213	3/4	81,368	3/4	96,523	3/4	111,678	3/4	126,833	3/4	141,985
5	6,169	5	21,324	5	36,478	5	51,374	5	66,529	5	81,684	5	96,839	5	111,994	5	127,149	5	142,301
1/4	6,485	1/4	21,639	1/4	36,788	1/4	51,689	1/4	66,844	1/4	81,999	1/4	97,154	1/4	112,309	1/4	127,465	1/4	142,616
1/2	6,800	1/2	21,955	1/2	37,098	1/2	52,005	1/2	67,160	1/2	82,315	1/2	97,470	1/2	112,625	1/2	127,780	1/2	142,932
3/4	7,116	3/4	22,271	3/4	37,408	3/4	52,321	3/4	67,476	3/4	82,631	3/4	97,786	3/4	112,941	3/4	128,096	3/4	143,248
6	7,432	6	22,586	6	37,718	6	52,637	6	67,792	6	82,947	6	98,102	6	113,257	6	128,412	6	143,563
1/4	7,748	1/4	22,902	1/4	38,027	1/4	52,952	1/4	68,107	1/4	83,262	1/4	98,417	1/4	113,572	1/4	128,727	1/4	143,879
1/2	8,063	1/2	23,218	1/2	38,336	1/2	53,268	1/2	68,423	1/2	83,578	1/2	98,733	1/2	113,888	1/2	129,043	1/2	144,195
3/4	8,379	3/4	23,534	3/4	38,646	3/4	53,584	3/4	68,739	3/4	83,894	3/4	99,049	3/4	114,204	3/4	129,359	3/4	144,510
7	8,695	7	23,849	7	38,955	7	53,899	7	69,054	7	84,210	7	99,365	7	114,520	7	129,675	7	144,826
1/4	9,010	1/4	24,165	1/4	39,264	1/4	54,215	1/4	69,370	1/4	84,525	1/4	99,680	1/4	114,835	1/4	129,990	1/4	145,142
1/2	9,326	1/2	24,481	1/2	39,573	1/2	54,531	1/2	69,686	1/2	84,841	1/2	99,996	1/2	115,151	1/2	130,306	1/2	145,457
3/4	9,642	3/4	24,796	3/4	39,882	3/4	54,847	3/4	70,002	3/4	85,157	3/4	100,312	3/4	115,467	3/4	130,622	3/4	145,773
8	9,958	8	25,112	8	40,192	8	55,162	8	70,317	8	85,472	8	100,627	8	115,783	8	130,937	8	146,089
1/4	10,273	1/4	25,428	1/4	40,501	1/4	55,478	1/4	70,633	1/4	85,788	1/4	100,943	1/4	116,098	1/4	131,253	1/4	146,404
1/2	10,589	1/2	25,744	1/2	40,810	1/2	55,794	1/2	70,949	1/2	86,104	1/2	101,259	1/2	116,414	1/2	131,569	1/2	146,720
3/4	10,905	3/4	26,059	3/4	41,119	3/4	56,110	3/4	71,265	3/4	86,420	3/4	101,575	3/4	116,730	3/4	131,884	3/4	147,036
9	11,221	9	26,375	9	41,428	9	56,425	9	71,580	9	86,735	9	101,890	9	117,045	9	132,200	9	147,351
1/4	11,536	1/4	26,691	1/4	41,737	1/4	56,741	1/4	71,896	1/4	87,051	1/4	102,206	1/4	117,361	1/4	132,516	1/4	147,667
1/2	11,852	1/2	27,007	1/2	42,047	1/2	57,057	1/2	72,212	1/2	87,367	1/2	102,522	1/2	117,677	1/2	132,831	1/2	147,982
3/4	12,168	3/4	27,322	3/4	42,356	3/4	57,372	3/4	72,528	3/4	87,683	3/4	102,838	3/4	117,993	3/4	133,147	3/4	148,298
10	12,483	10	27,638	10	42,665	10	57,688	10	72,843	10	87,998	10	103,153	10	118,308	10	133,462	10	148,614
1/4	12,799	1/4	27,954	1/4	42,974	1/4	58,004	1/4	73,159	1/4	88,314	1/4	103,469	1/4	118,624	1/4	133,778	1/4	148,929
1/2	13,115	1/2	28,269	1/2	43,283	1/2	58,320	1/2	73,475	1/2	88,630	1/2	103,785	1/2	118,940	1/2	134,094	1/2	149,245
3/4	13,431	3/4	28,585	3/4	43,592	3/4	58,635	3/4	73,790	3/4	88,945	3/4	104,101	3/4	119,256	3/4	134,409	3/4	149,561
11	13,746	11	28,901	11	43,902	11	58,951	11	74,106	11	89,261	11	104,416	11	119,571	11	134,725	11	149,876
1/4	14,062	1/4	29,217	1/4	44,211	1/4	59,267	1/4	74,422	1/4	89,577	1/4	104,732	1/4	119,887	1/4	135,041	1/4	150,192
1/2	14,378	1/2	29,532	1/2	44,520	1/2	59,583	1/2	74,738	1/2	89,893	1/2	105,048	1/2	120,203	1/2	135,356	1/2	150,508
3/4	14,693	3/4	29,848	3/4	44,829	3/4	59,898	3/4	75,053	3/4	90,208	3/4	105,363	3/4	120,518	3/4	135,672	3/4	150,823

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'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "CBC 311"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	151,139	0	166,290	0	181,370	0	196,433	0	211,410	0		0		0		0		0	
1/4	151,455	1/4	166,606	1/4	181,683	1/4	196,747	1/4	211,712	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,770	1/2	166,922	1/2	181,997	1/2	197,061	1/2	212,014	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,086	3/4	167,237	3/4	182,311	3/4	197,375	3/4	212,316	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	152,402	1	167,553	1	182,625	1	197,689	1	212,619	1	1	1	1	1	1	1	1	1	1
1/4	152,717	1/4	167,869	1/4	182,939	1/4	198,002	1/4	212,882	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,033	1/2	168,184	1/2	183,252	1/2	198,316	1/2	213,145	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,349	3/4	168,500	3/4	183,566	3/4	198,630	3/4	213,409	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	153,664	2	168,816	2	183,880	2	198,944	2	213,672	2	2	2	2	2	2	2	2	2	2
1/4	153,980	1/4	169,130	1/4	184,194	1/4	199,258	1/4	213,884	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,296	1/2	169,444	1/2	184,508	1/2	199,572	1/2	214,095	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,611	3/4	169,758	3/4	184,822	3/4	199,885	3/4	214,307	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	154,927	3	170,072	3	185,135	3	200,199	3	214,519	3	3	3	3	3	3	3	3	3	3
1/4	155,242	1/4	170,386	1/4	185,449	1/4	200,513	1/4	214,678	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,558	1/2	170,699	1/2	185,763	1/2	200,827	1/2	214,837	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,874	3/4	171,013	3/4	186,077	3/4	201,141	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	156,189	4	171,327	4	186,391	4	201,455	4		4	4	4	4	4	4	4	4	4	4
1/4	156,505	1/4	171,641	1/4	186,705	1/4	201,768	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,821	1/2	171,955	1/2	187,018	1/2	202,082	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,136	3/4	172,269	3/4	187,332	3/4	202,396	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	157,452	5	172,582	5	187,646	5	202,710	5	5	5	5	5	5	5	5	5	5	5	5
1/4	157,768	1/4	172,896	1/4	187,960	1/4	203,024	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,083	1/2	173,210	1/2	188,274	1/2	203,337	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,399	3/4	173,524	3/4	188,588	3/4	203,651	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	158,715	6	173,838	6	188,901	6	203,965	6	6	6	6	6	6	6	6	6	6	6	6
1/4	159,030	1/4	174,151	1/4	189,215	1/4	204,279	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,346	1/2	174,465	1/2	189,529	1/2	204,593	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,662	3/4	174,779	3/4	189,843	3/4	204,907	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	159,977	7	175,093	7	190,157	7	205,220	7	7	7	7	7	7	7	7	7	7	7	7
1/4	160,293	1/4	175,407	1/4	190,471	1/4	205,531	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,609	1/2	175,721	1/2	190,784	1/2	205,842	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,924	3/4	176,034	3/4	191,098	3/4	206,153	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	161,240	8	176,348	8	191,412	8	206,463	8	8	8	8	8	8	8	8	8	8	8	8
1/4	161,556	1/4	176,662	1/4	191,726	1/4	206,774	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,871	1/2	176,976	1/2	192,040	1/2	207,084	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,187	3/4	177,290	3/4	192,354	3/4	207,394	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	162,502	9	177,604	9	192,667	9	207,704	9	9	9	9	9	9	9	9	9	9	9	9
1/4	162,818	1/4	177,917	1/4	192,981	1/4	208,014	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,134	1/2	178,231	1/2	193,295	1/2	208,323	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,449	3/4	178,545	3/4	193,609	3/4	208,633	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	163,765	10	178,859	10	193,923	10	208,943	10	10	10	10	10	10	10	10	10	10	10	10
1/4	164,081	1/4	179,173	1/4	194,236	1/4	209,252	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,396	1/2	179,487	1/2	194,550	1/2	209,561	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,712	3/4	179,800	3/4	194,864	3/4	209,870	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	165,028	11	180,114	11	195,178	11	210,179	11	11	11	11	11	11	11	11	11	11	11	11
1/4	165,343	1/4	180,428	1/4	195,492	1/4	210,486	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,659	1/2	180,742	1/2	195,806	1/2	210,794	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,975	3/4	181,056	3/4	196,119	3/4	211,102	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: 01/29/2013 CL - SW
CALCULATED: 01/30/2013 CL
PRINTED: 01/30/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "CBC 311"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	594	0	15,026	0	30,197	0	45,082	0	60,202	0	75,374	0	90,545	0	105,717	0	120,889	0	136,059
1/4	781	1/4	15,342	1/4	30,513	1/4	45,390	1/4	60,518	1/4	75,690	1/4	90,862	1/4	106,033	1/4	121,205	1/4	136,375
1/2	969	1/2	15,658	1/2	30,829	1/2	45,698	1/2	60,834	1/2	76,006	1/2	91,178	1/2	106,349	1/2	121,521	1/2	136,691
3/4	1,157	3/4	15,974	3/4	31,145	3/4	46,006	3/4	61,150	3/4	76,322	3/4	91,494	3/4	106,665	3/4	121,837	3/4	137,007
1	1,344	1	16,290	1	31,461	1	46,314	1	61,466	1	76,638	1	91,810	1	106,982	1	122,153	1	137,323
1/4	1,611	1/4	16,606	1/4	31,777	1/4	46,627	1/4	61,782	1/4	76,954	1/4	92,126	1/4	107,298	1/4	122,469	1/4	137,639
1/2	1,877	1/2	16,922	1/2	32,094	1/2	46,940	1/2	62,098	1/2	77,270	1/2	92,442	1/2	107,614	1/2	122,786	1/2	137,955
3/4	2,144	3/4	17,238	3/4	32,410	3/4	47,254	3/4	62,414	3/4	77,586	3/4	92,758	3/4	107,930	3/4	123,102	3/4	138,271
2	2,411	2	17,554	2	32,726	2	47,567	2	62,730	2	77,902	2	93,074	2	108,246	2	123,418	2	138,587
1/4	2,721	1/4	17,870	1/4	33,042	1/4	47,881	1/4	63,047	1/4	78,218	1/4	93,390	1/4	108,562	1/4	123,734	1/4	138,903
1/2	3,030	1/2	18,186	1/2	33,358	1/2	48,196	1/2	63,363	1/2	78,534	1/2	93,706	1/2	108,878	1/2	124,050	1/2	139,219
3/4	3,340	3/4	18,503	3/4	33,674	3/4	48,510	3/4	63,679	3/4	78,850	3/4	94,022	3/4	109,194	3/4	124,366	3/4	139,535
3	3,650	3	18,819	3	33,990	3	48,824	3	63,995	3	79,167	3	94,338	3	109,510	3	124,682	3	139,851
1/4	3,965	1/4	19,135	1/4	34,299	1/4	49,140	1/4	64,311	1/4	79,483	1/4	94,654	1/4	109,826	1/4	124,998	1/4	140,167
1/2	4,281	1/2	19,451	1/2	34,609	1/2	49,456	1/2	64,627	1/2	79,799	1/2	94,971	1/2	110,142	1/2	125,314	1/2	140,483
3/4	4,596	3/4	19,767	3/4	34,918	3/4	49,771	3/4	64,943	3/4	80,115	3/4	95,287	3/4	110,458	3/4	125,630	3/4	140,799
4	4,912	4	20,083	4	35,228	4	50,087	4	65,259	4	80,431	4	95,603	4	110,775	4	125,946	4	141,115
1/4	5,228	1/4	20,399	1/4	35,537	1/4	50,403	1/4	65,575	1/4	80,747	1/4	95,919	1/4	111,091	1/4	126,262	1/4	141,431
1/2	5,544	1/2	20,715	1/2	35,845	1/2	50,719	1/2	65,891	1/2	81,063	1/2	96,235	1/2	111,407	1/2	126,578	1/2	141,747
3/4	5,860	3/4	21,031	3/4	36,154	3/4	51,036	3/4	66,207	3/4	81,379	3/4	96,551	3/4	111,723	3/4	126,895	3/4	142,063
5	6,176	5	21,347	5	36,462	5	51,352	5	66,523	5	81,695	5	96,867	5	112,039	5	127,211	5	142,379
1/4	6,492	1/4	21,663	1/4	36,770	1/4	51,668	1/4	66,839	1/4	82,011	1/4	97,183	1/4	112,355	1/4	127,527	1/4	142,695
1/2	6,808	1/2	21,979	1/2	37,078	1/2	51,984	1/2	67,156	1/2	82,327	1/2	97,499	1/2	112,671	1/2	127,843	1/2	143,011
3/4	7,124	3/4	22,295	3/4	37,386	3/4	52,300	3/4	67,472	3/4	82,643	3/4	97,815	3/4	112,987	3/4	128,159	3/4	143,327
6	7,440	6	22,611	6	37,694	6	52,616	6	67,788	6	82,960	6	98,131	6	113,303	6	128,475	6	143,643
1/4	7,756	1/4	22,928	1/4	38,002	1/4	52,932	1/4	68,104	1/4	83,276	1/4	98,447	1/4	113,619	1/4	128,791	1/4	143,959
1/2	8,072	1/2	23,244	1/2	38,310	1/2	53,248	1/2	68,420	1/2	83,592	1/2	98,763	1/2	113,935	1/2	129,107	1/2	144,275
3/4	8,388	3/4	23,560	3/4	38,618	3/4	53,564	3/4	68,736	3/4	83,908	3/4	99,080	3/4	114,251	3/4	129,423	3/4	144,591
7	8,704	7	23,876	7	38,925	7	53,880	7	69,052	7	84,224	7	99,396	7	114,567	7	129,739	7	144,907
1/4	9,020	1/4	24,192	1/4	39,233	1/4	54,196	1/4	69,368	1/4	84,540	1/4	99,712	1/4	114,884	1/4	130,055	1/4	145,223
1/2	9,336	1/2	24,508	1/2	39,541	1/2	54,512	1/2	69,684	1/2	84,856	1/2	100,028	1/2	115,200	1/2	130,371	1/2	145,539
3/4	9,653	3/4	24,824	3/4	39,849	3/4	54,828	3/4	70,000	3/4	85,172	3/4	100,344	3/4	115,516	3/4	130,687	3/4	145,855
8	9,969	8	25,140	8	40,157	8	55,145	8	70,316	8	85,488	8	100,660	8	115,832	8	131,003	8	146,171
1/4	10,285	1/4	25,456	1/4	40,465	1/4	55,461	1/4	70,632	1/4	85,804	1/4	100,976	1/4	116,148	1/4	131,319	1/4	146,487
1/2	10,601	1/2	25,772	1/2	40,772	1/2	55,777	1/2	70,949	1/2	86,120	1/2	101,292	1/2	116,464	1/2	131,635	1/2	146,803
3/4	10,917	3/4	26,088	3/4	41,080	3/4	56,093	3/4	71,265	3/4	86,436	3/4	101,608	3/4	116,780	3/4	131,951	3/4	147,119
9	11,233	9	26,404	9	41,388	9	56,409	9	71,581	9	86,752	9	101,924	9	117,096	9	132,267	9	147,435
1/4	11,549	1/4	26,720	1/4	41,696	1/4	56,725	1/4	71,897	1/4	87,069	1/4	102,240	1/4	117,412	1/4	132,583	1/4	147,751
1/2	11,865	1/2	27,036	1/2	42,004	1/2	57,041	1/2	72,213	1/2	87,385	1/2	102,556	1/2	117,728	1/2	132,899	1/2	148,067
3/4	12,181	3/4	27,352	3/4	42,312	3/4	57,357	3/4	72,529	3/4	87,701	3/4	102,873	3/4	118,044	3/4	133,215	3/4	148,383
10	12,497	10	27,669	10	42,620	10	57,673	10	72,845	10	88,017	10	103,189	10	118,360	10	133,531	10	148,699
1/4	12,813	1/4	27,985	1/4	42,927	1/4	57,989	1/4	73,161	1/4	88,333	1/4	103,505	1/4	118,676	1/4	133,847	1/4	149,015
1/2	13,129	1/2	28,301	1/2	43,235	1/2	58,305	1/2	73,477	1/2	88,649	1/2	103,821	1/2	118,993	1/2	134,163	1/2	149,331
3/4	13,445	3/4	28,617	3/4	43,543	3/4	58,621	3/4	73,793	3/4	88,965	3/4	104,137	3/4	119,309	3/4	134,479	3/4	149,647
11	13,761	11	28,933	11	43,851	11	58,937	11	74,109	11	89,281	11	104,453	11	119,625	11	134,795	11	149,963
1/4	14,078	1/4	29,249	1/4	44,159	1/4	59,254	1/4	74,425	1/4	89,597	1/4	104,769	1/4	119,941	1/4	135,111	1/4	150,279
1/2	14,394	1/2	29,565	1/2	44,467	1/2	59,570	1/2	74,741	1/2	89,913	1/2	105,085	1/2	120,257	1/2	135,427	1/2	150,595
3/4	14,710	3/4	29,881	3/4	44,774	3/4	59,886	3/4	75,058	3/4	90,229	3/4	105,401	3/4	120,573	3/4	135,743	3/4	150,911

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'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 311"

**2 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	151,227	0	166,395	0	181,491	0	196,572	0	211,565	0		0		0		0		0	
1/4	151,543	1/4	166,711	1/4	181,806	1/4	196,886	1/4	211,868	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,859	1/2	167,027	1/2	182,120	1/2	197,200	1/2	212,170	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,175	3/4	167,343	3/4	182,434	3/4	197,514	3/4	212,473	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	152,491	1	167,659	1	182,748	1	197,829	1	212,775	1	1	1	1	1	1	1	1	1	1
1/4	152,807	1/4	167,975	1/4	183,062	1/4	198,143	1/4	213,039	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,123	1/2	168,291	1/2	183,376	1/2	198,457	1/2	213,302	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,439	3/4	168,607	3/4	183,691	3/4	198,771	3/4	213,566	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	153,755	2	168,923	2	184,005	2	199,085	2	213,829	2	2	2	2	2	2	2	2	2	2
1/4	154,071	1/4	169,238	1/4	184,319	1/4	199,399	1/4	214,041	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,387	1/2	169,552	1/2	184,633	1/2	199,714	1/2	214,253	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,703	3/4	169,867	3/4	184,947	3/4	200,028	3/4	214,466	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	155,019	3	170,181	3	185,261	3	200,342	3	214,678	3	3	3	3	3	3	3	3	3	3
1/4	155,335	1/4	170,495	1/4	185,576	1/4	200,656	1/4	214,837	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,651	1/2	170,809	1/2	185,890	1/2	200,970	1/2	214,996	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,967	3/4	171,124	3/4	186,204	3/4	201,284	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	156,283	4	171,438	4	186,518	4	201,599	4		4	4	4	4	4	4	4	4	4	4
1/4	156,599	1/4	171,752	1/4	186,832	1/4	201,913	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,915	1/2	172,066	1/2	187,147	1/2	202,227	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,231	3/4	172,380	3/4	187,461	3/4	202,541	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	157,547	5	172,694	5	187,775	5	202,855	5		5	5	5	5	5	5	5	5	5	5
1/4	157,863	1/4	173,009	1/4	188,089	1/4	203,169	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,179	1/2	173,323	1/2	188,403	1/2	203,484	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,495	3/4	173,637	3/4	188,717	3/4	203,798	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	158,811	6	173,951	6	189,032	6	204,112	6		6	6	6	6	6	6	6	6	6	6
1/4	159,127	1/4	174,265	1/4	189,346	1/4	204,426	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,443	1/2	174,580	1/2	189,660	1/2	204,740	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,759	3/4	174,894	3/4	189,974	3/4	205,055	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	160,075	7	175,208	7	190,288	7	205,369	7		7	7	7	7	7	7	7	7	7	7
1/4	160,391	1/4	175,522	1/4	190,602	1/4	205,680	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,707	1/2	175,836	1/2	190,917	1/2	205,991	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,023	3/4	176,150	3/4	191,231	3/4	206,302	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	161,339	8	176,465	8	191,545	8	206,613	8		8	8	8	8	8	8	8	8	8	8
1/4	161,655	1/4	176,779	1/4	191,859	1/4	206,924	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,971	1/2	177,093	1/2	192,173	1/2	207,234	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,287	3/4	177,407	3/4	192,488	3/4	207,545	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	162,603	9	177,721	9	192,802	9	207,855	9		9	9	9	9	9	9	9	9	9	9
1/4	162,919	1/4	178,035	1/4	193,116	1/4	208,165	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,235	1/2	178,350	1/2	193,430	1/2	208,475	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,551	3/4	178,664	3/4	193,744	3/4	208,785	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	163,867	10	178,978	10	194,058	10	209,095	10		10	10	10	10	10	10	10	10	10	10
1/4	164,183	1/4	179,292	1/4	194,373	1/4	209,404	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,499	1/2	179,606	1/2	194,687	1/2	209,714	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,815	3/4	179,921	3/4	195,001	3/4	210,023	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	165,131	11	180,235	11	195,315	11	210,332	11		11	11	11	11	11	11	11	11	11	11
1/4	165,447	1/4	180,549	1/4	195,629	1/4	210,641	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,763	1/2	180,863	1/2	195,943	1/2	210,949	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,079	3/4	181,177	3/4	196,258	3/4	211,257	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: 01/29/2013 CL - SW
CALCULATED: 01/30/2013 CL
PRINTED: 01/30/2013 SW

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 311"

3 PORT 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	610	0	15,469	0	31,082	0	46,420	0	61,833	0	77,411	0	92,987	0	108,513	0	124,077	0	139,643
1/4	804	1/4	15,795	1/4	31,406	1/4	46,736	1/4	62,157	1/4	77,736	1/4	93,311	1/4	108,837	1/4	124,401	1/4	139,968
1/2	997	1/2	16,120	1/2	31,731	1/2	47,052	1/2	62,482	1/2	78,060	1/2	93,634	1/2	109,162	1/2	124,726	1/2	140,292
3/4	1,190	3/4	16,446	3/4	32,055	3/4	47,368	3/4	62,806	3/4	78,385	3/4	93,958	3/4	109,486	3/4	125,050	3/4	140,616
1	1,383	1	16,771	1	32,379	1	47,684	1	63,131	1	78,710	1	94,281	1	109,810	1	125,374	1	140,941
1/4	1,658	1/4	17,096	1/4	32,704	1/4	48,000	1/4	63,456	1/4	79,034	1/4	94,604	1/4	110,134	1/4	125,699	1/4	141,265
1/2	1,932	1/2	17,422	1/2	33,028	1/2	48,317	1/2	63,780	1/2	79,359	1/2	94,928	1/2	110,458	1/2	126,023	1/2	141,589
3/4	2,207	3/4	17,747	3/4	33,353	3/4	48,633	3/4	64,105	3/4	79,683	3/4	95,251	3/4	110,782	3/4	126,347	3/4	141,913
2	2,481	2	18,073	2	33,677	2	48,949	2	64,429	2	80,008	2	95,575	2	111,106	2	126,672	2	142,238
1/4	2,800	1/4	18,398	1/4	34,001	1/4	49,266	1/4	64,754	1/4	80,332	1/4	95,898	1/4	111,430	1/4	126,996	1/4	142,562
1/2	3,119	1/2	18,724	1/2	34,326	1/2	49,582	1/2	65,078	1/2	80,657	1/2	96,222	1/2	111,754	1/2	127,320	1/2	142,886
3/4	3,438	3/4	19,049	3/4	34,650	3/4	49,899	3/4	65,403	3/4	80,982	3/4	96,545	3/4	112,078	3/4	127,644	3/4	143,210
3	3,757	3	19,374	3	34,975	3	50,215	3	65,728	3	81,306	3	96,869	3	112,402	3	127,969	3	143,535
1/4	4,082	1/4	19,700	1/4	35,299	1/4	50,532	1/4	66,052	1/4	81,631	1/4	97,192	1/4	112,726	1/4	128,293	1/4	143,859
1/2	4,407	1/2	20,025	1/2	35,623	1/2	50,848	1/2	66,376	1/2	81,955	1/2	97,516	1/2	113,051	1/2	128,617	1/2	144,183
3/4	4,732	3/4	20,351	3/4	35,948	3/4	51,165	3/4	66,701	3/4	82,280	3/4	97,839	3/4	113,375	3/4	128,942	3/4	144,508
4	5,057	4	20,676	4	36,272	4	51,482	4	67,025	4	82,604	4	98,163	4	113,699	4	129,266	4	144,832
1/4	5,382	1/4	21,001	1/4	36,597	1/4	51,798	1/4	67,350	1/4	82,929	1/4	98,486	1/4	114,023	1/4	129,590	1/4	145,155
1/2	5,707	1/2	21,327	1/2	36,921	1/2	52,115	1/2	67,674	1/2	83,254	1/2	98,810	1/2	114,348	1/2	129,915	1/2	145,479
3/4	6,032	3/4	21,652	3/4	37,245	3/4	52,432	3/4	67,999	3/4	83,578	3/4	99,133	3/4	114,672	3/4	130,239	3/4	145,803
5	6,358	5	21,978	5	37,570	5	52,748	5	68,323	5	83,903	5	99,457	5	114,996	5	130,563	5	146,126
1/4	6,683	1/4	22,303	1/4	37,887	1/4	53,072	1/4	68,648	1/4	84,227	1/4	99,780	1/4	115,321	1/4	130,888	1/4	146,450
1/2	7,009	1/2	22,629	1/2	38,203	1/2	53,396	1/2	68,972	1/2	84,552	1/2	100,103	1/2	115,645	1/2	131,212	1/2	146,773
3/4	7,334	3/4	22,954	3/4	38,520	3/4	53,719	3/4	69,297	3/4	84,877	3/4	100,427	3/4	115,969	3/4	131,536	3/4	147,096
6	7,659	6	23,279	6	38,837	6	54,043	6	69,621	6	85,201	6	100,750	6	116,294	6	131,860	6	147,420
1/4	7,985	1/4	23,605	1/4	39,153	1/4	54,367	1/4	69,946	1/4	85,526	1/4	101,074	1/4	116,618	1/4	132,185	1/4	147,743
1/2	8,310	1/2	23,930	1/2	39,468	1/2	54,692	1/2	70,271	1/2	85,850	1/2	101,397	1/2	116,942	1/2	132,509	1/2	148,066
3/4	8,636	3/4	24,256	3/4	39,784	3/4	55,017	3/4	70,595	3/4	86,175	3/4	101,721	3/4	117,267	3/4	132,833	3/4	148,390
7	8,961	7	24,581	7	40,100	7	55,341	7	70,920	7	86,499	7	102,044	7	117,591	7	133,158	7	148,713
1/4	9,287	1/4	24,906	1/4	40,416	1/4	55,666	1/4	71,244	1/4	86,824	1/4	102,368	1/4	117,915	1/4	133,482	1/4	149,036
1/2	9,612	1/2	25,232	1/2	40,732	1/2	55,990	1/2	71,569	1/2	87,149	1/2	102,691	1/2	118,239	1/2	133,806	1/2	149,359
3/4	9,937	3/4	25,557	3/4	41,048	3/4	56,315	3/4	71,893	3/4	87,473	3/4	103,015	3/4	118,564	3/4	134,131	3/4	149,682
8	10,263	8	25,883	8	41,364	8	56,639	8	72,218	8	87,798	8	103,338	8	118,888	8	134,455	8	150,006
1/4	10,588	1/4	26,208	1/4	41,680	1/4	56,964	1/4	72,543	1/4	88,122	1/4	103,662	1/4	119,212	1/4	134,779	1/4	150,328
1/2	10,914	1/2	26,534	1/2	41,996	1/2	57,289	1/2	72,867	1/2	88,447	1/2	103,985	1/2	119,537	1/2	135,103	1/2	150,651
3/4	11,239	3/4	26,859	3/4	42,312	3/4	57,613	3/4	73,192	3/4	88,771	3/4	104,309	3/4	119,861	3/4	135,428	3/4	150,974
9	11,564	9	27,184	9	42,628	9	57,938	9	73,516	9	89,096	9	104,632	9	120,185	9	135,752	9	151,297
1/4	11,890	1/4	27,510	1/4	42,944	1/4	58,262	1/4	73,841	1/4	89,421	1/4	104,955	1/4	120,510	1/4	136,076	1/4	151,618
1/2	12,215	1/2	27,835	1/2	43,260	1/2	58,587	1/2	74,165	1/2	89,745	1/2	105,279	1/2	120,834	1/2	136,401	1/2	151,940
3/4	12,541	3/4	28,161	3/4	43,576	3/4	58,911	3/4	74,490	3/4	90,070	3/4	105,602	3/4	121,158	3/4	136,725	3/4	152,261
10	12,866	10	28,486	10	43,892	10	59,236	10	74,815	10	90,394	10	105,925	10	121,483	10	137,049	10	152,583
1/4	13,191	1/4	28,811	1/4	44,208	1/4	59,561	1/4	75,139	1/4	90,719	1/4	106,248	1/4	121,807	1/4	137,373	1/4	152,895
1/2	13,517	1/2	29,135	1/2	44,524	1/2	59,885	1/2	75,464	1/2	91,043	1/2	106,571	1/2	122,131	1/2	137,698	1/2	153,207
3/4	13,842	3/4	29,460	3/4	44,840	3/4	60,210	3/4	75,788	3/4	91,368	3/4	106,894	3/4	122,455	3/4	138,022	3/4	153,520
11	14,168	11	29,784	11	45,156	11	60,534	11	76,113	11	91,693	11	107,218	11	122,780	11	138,346	11	153,832
1/4	14,493	1/4	30,109	1/4	45,472	1/4	60,859	1/4	76,437	1/4	92,016	1/4	107,542	1/4	123,104	1/4	138,671	1/4	154,132
1/2	14,819	1/2	30,433	1/2	45,788	1/2	61,183	1/2	76,762	1/2	92,340	1/2	107,866	1/2	123,428	1/2	138,995	1/2	154,432
3/4	15,144	3/4	30,757	3/4	46,104	3/4	61,508	3/4	77,087	3/4	92,663	3/4	108,189	3/4	123,753	3/4	139,319	3/4	154,732

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'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 311"

3 PORT 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	155,032	0	167,339	0	179,281	0	191,212	0	203,076	0		0		0		0		0	
1/4	155,319	1/4	167,589	1/4	179,530	1/4	191,461	1/4	203,315	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,607	1/2	167,839	1/2	179,778	1/2	191,709	1/2	203,554	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,894	3/4	168,089	3/4	180,027	3/4	191,958	3/4	203,794	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	156,181	1	168,338	1	180,276	1	192,207	1	204,033	1	1	1	1	1	1	1	1	1	1
1/4	156,456	1/4	168,588	1/4	180,524	1/4	192,455	1/4	204,242	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,731	1/2	168,838	1/2	180,773	1/2	192,704	1/2	204,450	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,006	3/4	169,088	3/4	181,021	3/4	192,952	3/4	204,659	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	157,281	2	169,338	2	181,270	2	193,201	2	204,868	2	2	2	2	2	2	2	2	2	2
1/4	157,543	1/4	169,587	1/4	181,518	1/4	193,449	1/4	205,036	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,805	1/2	169,836	1/2	181,767	1/2	193,698	1/2	205,203	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,067	3/4	170,084	3/4	182,015	3/4	193,946	3/4	205,371	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	158,330	3	170,333	3	182,264	3	194,195	3	205,539	3	3	3	3	3	3	3	3	3	3
1/4	158,582	1/4	170,582	1/4	182,513	1/4	194,444	1/4	205,665	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,835	1/2	170,830	1/2	182,761	1/2	194,692	1/2	205,791	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,088	3/4	171,079	3/4	183,010	3/4	194,941	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	159,340	4	171,327	4	183,258	4	195,189	4		4	4	4	4	4	4	4	4	4	4
1/4	159,590	1/4	171,576	1/4	183,507	1/4	195,438	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,840	1/2	171,824	1/2	183,755	1/2	195,686	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,091	3/4	172,073	3/4	184,004	3/4	195,935	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	160,341	5	172,322	5	184,253	5	196,183	5		5	5	5	5	5	5	5	5	5	5
1/4	160,591	1/4	172,570	1/4	184,501	1/4	196,432	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,841	1/2	172,819	1/2	184,750	1/2	196,681	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,090	3/4	173,067	3/4	184,998	3/4	196,929	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	161,340	6	173,316	6	185,247	6	197,178	6		6	6	6	6	6	6	6	6	6	6
1/4	161,590	1/4	173,564	1/4	185,495	1/4	197,426	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,840	1/2	173,813	1/2	185,744	1/2	197,675	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,090	3/4	174,062	3/4	185,992	3/4	197,923	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	162,340	7	174,310	7	186,241	7	198,172	7		7	7	7	7	7	7	7	7	7	7
1/4	162,590	1/4	174,559	1/4	186,490	1/4	198,418	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,840	1/2	174,807	1/2	186,738	1/2	198,664	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,090	3/4	175,056	3/4	186,987	3/4	198,911	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	163,340	8	175,304	8	187,235	8	199,157	8		8	8	8	8	8	8	8	8	8	8
1/4	163,590	1/4	175,553	1/4	187,484	1/4	199,402	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,840	1/2	175,801	1/2	187,732	1/2	199,648	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,090	3/4	176,050	3/4	187,981	3/4	199,894	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	164,340	9	176,299	9	188,230	9	200,140	9		9	9	9	9	9	9	9	9	9	9
1/4	164,589	1/4	176,547	1/4	188,478	1/4	200,385	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,839	1/2	176,796	1/2	188,727	1/2	200,630	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,089	3/4	177,044	3/4	188,975	3/4	200,876	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	165,339	10	177,293	10	189,224	10	201,121	10		10	10	10	10	10	10	10	10	10	10
1/4	165,589	1/4	177,541	1/4	189,472	1/4	201,366	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,839	1/2	177,790	1/2	189,721	1/2	201,611	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,089	3/4	178,038	3/4	189,969	3/4	201,855	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	166,339	11	178,287	11	190,218	11	202,100	11		11	11	11	11	11	11	11	11	11	11
1/4	166,589	1/4	178,536	1/4	190,467	1/4	202,344	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,839	1/2	178,784	1/2	190,715	1/2	202,588	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	167,089	3/4	179,033	3/4	190,964	3/4	202,832	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: 01/29/2013 CL - SW
CALCULATED: 01/30/2013 CL
PRINTED: 01/30/2013 SW

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 311"

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	610	0	15,462	0	31,067	0	46,205	0	61,478	0	77,050	0	92,618	0	108,137	0	123,694	0	139,253
1/4	803	1/4	15,787	1/4	31,392	1/4	46,514	1/4	61,803	1/4	77,374	1/4	92,941	1/4	108,461	1/4	124,018	1/4	139,577
1/2	996	1/2	16,113	1/2	31,716	1/2	46,823	1/2	62,127	1/2	77,698	1/2	93,265	1/2	108,785	1/2	124,342	1/2	139,901
3/4	1,190	3/4	16,438	3/4	32,040	3/4	47,132	3/4	62,452	3/4	78,023	3/4	93,588	3/4	109,109	3/4	124,666	3/4	140,225
1	1,383	1	16,763	1	32,364	1	47,441	1	62,776	1	78,347	1	93,911	1	109,433	1	124,990	1	140,549
1/4	1,657	1/4	17,089	1/4	32,689	1/4	47,750	1/4	63,100	1/4	78,672	1/4	94,235	1/4	109,757	1/4	125,314	1/4	140,873
1/2	1,931	1/2	17,414	1/2	33,013	1/2	48,060	1/2	63,425	1/2	78,996	1/2	94,558	1/2	110,081	1/2	125,639	1/2	141,197
3/4	2,206	3/4	17,739	3/4	33,337	3/4	48,369	3/4	63,749	3/4	79,321	3/4	94,881	3/4	110,405	3/4	125,963	3/4	141,522
2	2,480	2	18,064	2	33,661	2	48,678	2	64,074	2	79,645	2	95,205	2	110,728	2	126,287	2	141,846
1/4	2,799	1/4	18,390	1/4	33,986	1/4	48,988	1/4	64,398	1/4	79,969	1/4	95,528	1/4	111,052	1/4	126,611	1/4	142,170
1/2	3,118	1/2	18,715	1/2	34,310	1/2	49,298	1/2	64,723	1/2	80,294	1/2	95,851	1/2	111,376	1/2	126,935	1/2	142,494
3/4	3,437	3/4	19,040	3/4	34,634	3/4	49,608	3/4	65,047	3/4	80,618	3/4	96,175	3/4	111,700	3/4	127,259	3/4	142,818
3	3,756	3	19,365	3	34,958	3	49,918	3	65,371	3	80,943	3	96,498	3	112,024	3	127,584	3	143,142
1/4	4,080	1/4	19,691	1/4	35,283	1/4	50,229	1/4	65,696	1/4	81,267	1/4	96,821	1/4	112,348	1/4	127,908	1/4	143,466
1/2	4,405	1/2	20,016	1/2	35,607	1/2	50,539	1/2	66,020	1/2	81,592	1/2	97,145	1/2	112,672	1/2	128,232	1/2	143,791
3/4	4,730	3/4	20,341	3/4	35,931	3/4	50,849	3/4	66,344	3/4	81,916	3/4	97,468	3/4	112,996	3/4	128,556	3/4	144,115
4	5,054	4	20,666	4	36,255	4	51,160	4	66,669	4	82,240	4	97,791	4	113,321	4	128,880	4	144,439
1/4	5,379	1/4	20,992	1/4	36,579	1/4	51,470	1/4	66,993	1/4	82,565	1/4	98,115	1/4	113,645	1/4	129,204	1/4	144,762
1/2	5,705	1/2	21,317	1/2	36,902	1/2	51,780	1/2	67,317	1/2	82,889	1/2	98,438	1/2	113,969	1/2	129,529	1/2	145,086
3/4	6,030	3/4	21,642	3/4	37,226	3/4	52,091	3/4	67,641	3/4	83,214	3/4	98,761	3/4	114,293	3/4	129,853	3/4	145,409
5	6,355	5	21,967	5	37,550	5	52,401	5	67,966	5	83,538	5	99,085	5	114,617	5	130,177	5	145,732
1/4	6,680	1/4	22,293	1/4	37,860	1/4	52,724	1/4	68,290	1/4	83,863	1/4	99,408	1/4	114,941	1/4	130,501	1/4	146,056
1/2	7,005	1/2	22,618	1/2	38,170	1/2	53,047	1/2	68,615	1/2	84,187	1/2	99,731	1/2	115,265	1/2	130,825	1/2	146,379
3/4	7,331	3/4	22,943	3/4	38,481	3/4	53,369	3/4	68,939	3/4	84,511	3/4	100,055	3/4	115,590	3/4	131,149	3/4	146,702
6	7,656	6	23,269	6	38,791	6	53,692	6	69,263	6	84,836	6	100,378	6	115,914	6	131,473	6	147,026
1/4	7,981	1/4	23,594	1/4	39,100	1/4	54,016	1/4	69,588	1/4	85,160	1/4	100,701	1/4	116,238	1/4	131,798	1/4	147,349
1/2	8,306	1/2	23,919	1/2	39,409	1/2	54,341	1/2	69,912	1/2	85,485	1/2	101,025	1/2	116,562	1/2	132,122	1/2	147,672
3/4	8,632	3/4	24,244	3/4	39,718	3/4	54,665	3/4	70,237	3/4	85,809	3/4	101,348	3/4	116,886	3/4	132,446	3/4	147,995
7	8,957	7	24,570	7	40,027	7	54,990	7	70,561	7	86,134	7	101,671	7	117,210	7	132,770	7	148,318
1/4	9,282	1/4	24,895	1/4	40,336	1/4	55,314	1/4	70,885	1/4	86,458	1/4	101,995	1/4	117,535	1/4	133,094	1/4	148,641
1/2	9,607	1/2	25,220	1/2	40,645	1/2	55,639	1/2	71,210	1/2	86,782	1/2	102,318	1/2	117,859	1/2	133,418	1/2	148,964
3/4	9,933	3/4	25,545	3/4	40,954	3/4	55,963	3/4	71,534	3/4	87,107	3/4	102,641	3/4	118,183	3/4	133,742	3/4	149,287
8	10,258	8	25,871	8	41,262	8	56,287	8	71,859	8	87,431	8	102,964	8	118,507	8	134,067	8	149,610
1/4	10,583	1/4	26,196	1/4	41,571	1/4	56,612	1/4	72,183	1/4	87,756	1/4	103,288	1/4	118,831	1/4	134,391	1/4	149,933
1/2	10,909	1/2	26,521	1/2	41,880	1/2	56,936	1/2	72,508	1/2	88,080	1/2	103,611	1/2	119,155	1/2	134,715	1/2	150,255
3/4	11,234	3/4	26,846	3/4	42,189	3/4	57,261	3/4	72,832	3/4	88,404	3/4	103,934	3/4	119,480	3/4	135,039	3/4	150,578
9	11,559	9	27,172	9	42,498	9	57,585	9	73,156	9	88,729	9	104,258	9	119,804	9	135,363	9	150,901
1/4	11,884	1/4	27,497	1/4	42,807	1/4	57,910	1/4	73,481	1/4	89,053	1/4	104,581	1/4	120,128	1/4	135,687	1/4	151,222
1/2	12,210	1/2	27,822	1/2	43,116	1/2	58,234	1/2	73,805	1/2	89,378	1/2	104,904	1/2	120,452	1/2	136,011	1/2	151,544
3/4	12,535	3/4	28,147	3/4	43,425	3/4	58,558	3/4	74,130	3/4	89,702	3/4	105,227	3/4	120,776	3/4	136,336	3/4	151,865
10	12,860	10	28,473	10	43,734	10	58,883	10	74,454	10	90,027	10	105,550	10	121,100	10	136,660	10	152,186
1/4	13,185	1/4	28,797	1/4	44,043	1/4	59,207	1/4	74,779	1/4	90,351	1/4	105,873	1/4	121,425	1/4	136,984	1/4	152,498
1/2	13,511	1/2	29,122	1/2	44,352	1/2	59,532	1/2	75,103	1/2	90,675	1/2	106,196	1/2	121,749	1/2	137,308	1/2	152,811
3/4	13,836	3/4	29,446	3/4	44,661	3/4	59,856	3/4	75,427	3/4	91,000	3/4	106,519	3/4	122,073	3/4	137,632	3/4	153,123
11	14,161	11	29,770	11	44,969	11	60,181	11	75,752	11	91,324	11	106,842	11	122,397	11	137,956	11	153,435
1/4	14,486	1/4	30,095	1/4	45,278	1/4	60,505	1/4	76,076	1/4	91,648	1/4	107,166	1/4	122,721	1/4	138,280	1/4	153,735
1/2	14,812	1/2	30,419	1/2	45,587	1/2	60,829	1/2	76,401	1/2	91,971	1/2	107,490	1/2	123,045	1/2	138,604	1/2	154,034
3/4	15,137	3/4	30,743	3/4	45,896	3/4	61,154	3/4	76,725	3/4	92,295	3/4	107,813	3/4	123,369	3/4	138,929	3/4	154,334

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'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 311"

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	154,634	0	166,935	0	178,872	0	190,798	0	202,655	0		0		0		0		0	
1/4	154,921	1/4	167,185	1/4	179,121	1/4	191,046	1/4	202,895	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,209	1/2	167,435	1/2	179,369	1/2	191,294	1/2	203,134	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,496	3/4	167,685	3/4	179,618	3/4	191,543	3/4	203,373	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	155,783	1	167,934	1	179,866	1	191,791	1	203,613	1	1	1	1	1	1	1	1	1	1
1/4	156,058	1/4	168,184	1/4	180,114	1/4	192,040	1/4	203,821	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,332	1/2	168,434	1/2	180,363	1/2	192,288	1/2	204,030	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,607	3/4	168,684	3/4	180,611	3/4	192,537	3/4	204,238	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	156,882	2	168,934	2	180,860	2	192,785	2	204,447	2	2	2	2	2	2	2	2	2	2
1/4	157,144	1/4	169,182	1/4	181,108	1/4	193,034	1/4	204,614	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,406	1/2	169,431	1/2	181,357	1/2	193,282	1/2	204,782	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,668	3/4	169,680	3/4	181,605	3/4	193,530	3/4	204,950	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	157,930	3	169,928	3	181,854	3	193,779	3	205,118	3	3	3	3	3	3	3	3	3	3
1/4	158,183	1/4	170,177	1/4	182,102	1/4	194,027	1/4	205,244	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,435	1/2	170,425	1/2	182,350	1/2	194,276	1/2	205,370	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,688	3/4	170,673	3/4	182,599	3/4	194,524	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	158,940	4	170,922	4	182,847	4	194,773	4		4	4	4	4	4	4	4	4	4	4
1/4	159,190	1/4	171,170	1/4	183,096	1/4	195,021	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,440	1/2	171,419	1/2	183,344	1/2	195,270	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,690	3/4	171,667	3/4	183,593	3/4	195,518	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	159,940	5	171,916	5	183,841	5	195,766	5		5	5	5	5	5	5	5	5	5	5
1/4	160,190	1/4	172,164	1/4	184,090	1/4	196,015	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,440	1/2	172,413	1/2	184,338	1/2	196,263	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,690	3/4	172,661	3/4	184,586	3/4	196,512	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	160,940	6	172,909	6	184,835	6	196,760	6		6	6	6	6	6	6	6	6	6	6
1/4	161,189	1/4	173,158	1/4	185,083	1/4	197,009	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,439	1/2	173,406	1/2	185,332	1/2	197,257	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,689	3/4	173,655	3/4	185,580	3/4	197,506	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	161,939	7	173,903	7	185,829	7	197,754	7		7	7	7	7	7	7	7	7	7	7
1/4	162,189	1/4	174,152	1/4	186,077	1/4	198,000	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,439	1/2	174,400	1/2	186,326	1/2	198,246	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,688	3/4	174,649	3/4	186,574	3/4	198,492	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	162,938	8	174,897	8	186,822	8	198,738	8		8	8	8	8	8	8	8	8	8	8
1/4	163,188	1/4	175,145	1/4	187,071	1/4	198,984	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,438	1/2	175,394	1/2	187,319	1/2	199,230	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,688	3/4	175,642	3/4	187,568	3/4	199,475	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	163,937	9	175,891	9	187,816	9	199,721	9		9	9	9	9	9	9	9	9	9	9
1/4	164,187	1/4	176,139	1/4	188,065	1/4	199,966	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,437	1/2	176,388	1/2	188,313	1/2	200,211	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,687	3/4	176,636	3/4	188,562	3/4	200,456	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	164,937	10	176,885	10	188,810	10	200,702	10		10	10	10	10	10	10	10	10	10	10
1/4	165,186	1/4	177,133	1/4	189,058	1/4	200,946	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,436	1/2	177,382	1/2	189,307	1/2	201,191	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,686	3/4	177,630	3/4	189,555	3/4	201,436	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	165,936	11	177,878	11	189,804	11	201,680	11		11	11	11	11	11	11	11	11	11	11
1/4	166,186	1/4	178,127	1/4	190,052	1/4	201,924	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,436	1/2	178,375	1/2	190,301	1/2	202,168	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,685	3/4	178,624	3/4	190,549	3/4	202,412	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: 01/29/2013 CL - SW
CALCULATED: 01/30/2013 CL
PRINTED: 01/30/2013 SW

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 311"

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: 01/29/2013 CL - SW
CALCULATED: 01/29/2013 CL
PRINTED: 01/29/2013 SW

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 311"

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	00-1/8	- 00-1/8	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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
2 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2
2 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2
3 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
3 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

(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 INNGAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNGAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 238'-03"

January 29, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

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BARGE "CBC 311"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0	0	0	0	0	219,756	0	205,071	0	189,460	0	173,848	0	158,157	0	142,458	0	126,758	0	111,055		
1/4	1/4	1/4	1/4	1/4	219,591	1/4	204,746	1/4	189,135	1/4	173,523	1/4	157,830	1/4	142,131	1/4	126,430	1/4	110,727		
1/2	1/2	1/2	1/2	1/2	219,371	1/2	204,421	1/2	188,809	1/2	173,197	1/2	157,503	1/2	141,804	1/2	126,103	1/2	110,400		
3/4	3/4	3/4	3/4	3/4	219,151	3/4	204,096	3/4	188,484	3/4	172,872	3/4	157,176	3/4	141,477	3/4	125,776	3/4	110,073		
1	1	1	1	1	218,932	1	203,770	1	188,159	1	172,546	1	156,849	1	141,150	1	125,449	1	109,746		
1/4	1/4	1/4	1/4	1/4	218,712	1/4	203,445	1/4	187,834	1/4	172,221	1/4	156,522	1/4	140,823	1/4	125,122	1/4	109,419		
1/2	1/2	1/2	1/2	1/2	218,439	1/2	203,120	1/2	187,508	1/2	171,894	1/2	156,195	1/2	140,496	1/2	124,795	1/2	109,092		
3/4	3/4	3/4	3/4	3/4	218,166	3/4	202,795	3/4	187,183	3/4	171,567	3/4	155,868	3/4	140,168	3/4	124,467	3/4	108,765		
2	2	2	2	2	217,893	2	202,469	2	186,858	2	171,240	2	155,541	2	139,841	2	124,140	2	108,437		
1/4	1/4	1/4	1/4	1/4	217,620	1/4	202,144	1/4	186,533	1/4	170,913	1/4	155,214	1/4	139,514	1/4	123,813	1/4	108,110		
1/2	1/2	1/2	1/2	1/2	217,307	1/2	201,819	1/2	186,207	1/2	170,586	1/2	154,886	1/2	139,187	1/2	123,486	1/2	107,783		
3/4	3/4	3/4	3/4	3/4	216,994	3/4	201,494	3/4	185,882	3/4	170,259	3/4	154,559	3/4	138,860	3/4	123,159	3/4	107,456		
3	3	3	3	3	216,680	3	201,168	3	185,557	3	169,932	3	154,232	3	138,533	3	122,832	3	107,129		
1/4	1/4	1/4	1/4	1/4	216,367	1/4	200,843	1/4	185,232	1/4	169,604	1/4	153,905	1/4	138,206	1/4	122,505	1/4	106,802		
1/2	1/2	1/2	1/2	1/2	216,048	1/2	200,518	1/2	184,906	1/2	169,277	1/2	153,578	1/2	137,879	1/2	122,177	1/2	106,475		
3/4	3/4	3/4	3/4	3/4	215,729	3/4	200,193	3/4	184,581	3/4	168,950	3/4	153,251	3/4	137,552	3/4	121,850	3/4	106,147		
4	4	4	4	4	215,410	4	199,868	4	184,256	4	168,623	4	152,924	4	137,225	4	121,523	4	105,820		
1/4	1/4	1/4	1/4	1/4	215,091	1/4	199,542	1/4	183,931	1/4	168,296	1/4	152,597	1/4	136,898	1/4	121,196	1/4	105,493		
1/2	1/2	1/2	1/2	1/2	214,770	1/2	199,217	1/2	183,605	1/2	167,969	1/2	152,270	1/2	136,571	1/2	120,869	1/2	105,166		
3/4	3/4	3/4	3/4	3/4	214,450	3/4	198,892	3/4	183,280	3/4	167,642	3/4	151,943	3/4	136,244	3/4	120,542	3/4	104,839		
5	5	5	5	5	214,130	5	198,567	5	182,955	5	167,315	5	151,616	5	135,917	5	120,215	5	104,512		
1/4	1/4	1/4	1/4	1/4	213,809	1/4	198,241	1/4	182,630	1/4	166,988	1/4	151,289	1/4	135,590	1/4	119,887	1/4	104,185		
1/2	1/2	1/2	1/2	1/2	213,488	1/2	197,916	1/2	182,304	1/2	166,661	1/2	150,962	1/2	135,262	1/2	119,560	1/2	103,857		
3/4	3/4	3/4	3/4	3/4	213,167	3/4	197,591	3/4	181,979	3/4	166,334	3/4	150,635	3/4	134,935	3/4	119,233	3/4	103,530		
6	6	6	6	6	212,846	6	197,266	6	181,654	6	166,007	6	150,308	6	134,608	6	118,906	6	103,203		
1/4	1/4	1/4	1/4	1/4	212,525	1/4	196,940	1/4	181,329	1/4	165,680	1/4	149,980	1/4	134,281	1/4	118,579	1/4	102,876		
1/2	1/2	1/2	1/2	1/2	212,203	1/2	196,615	1/2	181,003	1/2	165,353	1/2	149,653	1/2	133,954	1/2	118,252	1/2	102,549		
3/4	3/4	3/4	3/4	3/4	211,882	3/4	196,290	3/4	180,678	3/4	165,026	3/4	149,326	3/4	133,627	3/4	117,925	3/4	102,222		
7	7	7	7	7	211,560	7	195,965	7	180,353	7	164,698	7	148,999	7	133,300	7	117,597	7	101,895		
1/4	1/4	1/4	1/4	1/4	211,239	1/4	195,639	1/4	180,028	1/4	164,371	1/4	148,672	1/4	132,973	1/4	117,270	1/4	101,567		
1/2	1/2	1/2	1/2	1/2	210,917	1/2	195,314	1/2	179,702	1/2	164,044	1/2	148,345	1/2	132,646	1/2	116,943	1/2	101,240		
3/4	3/4	3/4	3/4	3/4	210,594	3/4	194,989	3/4	179,377	3/4	163,717	3/4	148,018	3/4	132,319	3/4	116,616	3/4	100,913		
8	8	8	8	8	210,272	8	194,664	8	179,052	8	163,390	8	147,691	8	131,992	8	116,289	8	100,586		
1/4	1/4	1/4	1/4	1/4	209,950	1/4	194,338	1/4	178,727	1/4	163,063	1/4	147,364	1/4	131,665	1/4	115,962	1/4	100,259		
1/2	1/2	1/2	1/2	1/2	209,625	1/2	194,013	1/2	178,402	1/2	162,736	1/2	147,037	1/2	131,338	1/2	115,635	1/2	99,932		
3/4	3/4	3/4	3/4	3/4	209,300	3/4	193,688	3/4	178,076	3/4	162,409	3/4	146,710	3/4	131,010	3/4	115,307	3/4	99,605		
9	9	9	9	9	208,974	9	193,363	9	177,751	9	162,082	9	146,383	9	130,683	9	114,980	9	99,277		
1/4	1/4	1/4	1/4	1/4	208,649	1/4	193,037	1/4	177,426	1/4	161,755	1/4	146,056	1/4	130,356	1/4	114,653	1/4	98,950		
1/2	1/2	1/2	1/2	1/2	208,324	1/2	192,712	1/2	177,101	1/2	161,428	1/2	145,729	1/2	130,029	1/2	114,326	1/2	98,623		
3/4	3/4	3/4	3/4	3/4	207,999	3/4	192,387	3/4	176,775	3/4	161,101	3/4	145,402	3/4	129,702	3/4	113,999	3/4	98,296		
10	10	10	10	10	207,673	10	192,062	10	176,450	10	160,774	10	145,074	10	129,375	10	113,672	10	97,969		
1/4	1/4	1/4	1/4	1/4	207,348	1/4	191,736	1/4	176,125	1/4	160,447	1/4	144,747	1/4	129,048	1/4	113,345	1/4	97,642		
1/2	1/2	1/2	1/2	1/2	207,023	1/2	191,411	1/2	175,800	1/2	160,120	1/2	144,420	1/2	128,720	1/2	113,017	1/2	97,314		
3/4	3/4	3/4	3/4	3/4	206,698	3/4	191,086	3/4	175,474	3/4	159,792	3/4	144,093	3/4	128,393	3/4	112,690	3/4	96,987		
11	11	11	11	11	206,372	11	190,761	11	175,149	11	159,465	11	143,766	11	128,066	11	112,363	11	96,660		
1/4	1/4	1/4	1/4	1/4	206,047	1/4	190,435	1/4	174,824	1/4	159,138	1/4	143,439	1/4	127,739	1/4	112,036	1/4	96,333		
1/2	1/2	1/2	1/2	1/2	205,722	1/2	190,110	1/2	174,499	1/2	158,811	1/2	143,112	1/2	127,412	1/2	111,709	1/2	96,006		
3/4	3/4	3/4	3/4	3/4	219,921	3/4	205,397	3/4	189,785	3/4	174,173	3/4	158,484	3/4	142,785	3/4	127,085	3/4	111,382	3/4	95,679

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'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "CBC 311"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	95,374	0	79,668	0	63,961	0	48,254	0	32,652	0	17,189	0	3,283	0		0		0	
1/4	95,047	1/4	79,340	1/4	63,634	1/4	47,927	1/4	32,327	1/4	16,878	1/4	3,013	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,720	1/2	79,013	1/2	63,306	1/2	47,600	1/2	32,000	1/2	16,570	1/2	2,753	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,393	3/4	78,686	3/4	62,979	3/4	47,273	3/4	31,672	3/4	16,263	3/4	2,493	3/4	3/4	3/4	3/4	3/4	3/4
1	94,065	1	78,359	1	62,652	1	46,947	1	31,345	1	15,955	1	2,232	1	1	1	1	1	1
1/4	93,738	1/4	78,031	1/4	62,325	1/4	46,620	1/4	31,018	1/4	15,647	1/4	1,972	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,411	1/2	77,704	1/2	61,998	1/2	46,293	1/2	30,691	1/2	15,343	1/2	1,760	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,084	3/4	77,377	3/4	61,670	3/4	45,967	3/4	30,363	3/4	15,039	3/4	1,548	3/4	3/4	3/4	3/4	3/4	3/4
2	92,756	2	77,050	2	61,343	2	45,640	2	30,036	2	14,735	2	1,336	2	2	2	2	2	2
1/4	92,429	1/4	76,723	1/4	61,016	1/4	45,314	1/4	29,709	1/4	14,430	1/4	1,123	1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,102	1/2	76,395	1/2	60,689	1/2	44,989	1/2	29,382	1/2	14,130	1/2	989	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,775	3/4	76,068	3/4	60,361	3/4	44,665	3/4	29,055	3/4	13,829	3/4	854	3/4	3/4	3/4	3/4	3/4	3/4
3	91,448	3	75,741	3	60,034	3	44,340	3	28,727	3	13,528	3	719	3	3	3	3	3	3
1/4	91,120	1/4	75,414	1/4	59,707	1/4	44,016	1/4	28,400	1/4	13,227	1/4	584	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,793	1/2	75,086	1/2	59,380	1/2	43,691	1/2	28,073	1/2	12,930	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,466	3/4	74,759	3/4	59,053	3/4	43,367	3/4	27,746	3/4	12,632	3/4		3/4	3/4	3/4	3/4	3/4	3/4
4	90,139	4	74,432	4	58,725	4	43,042	4	27,419	4	12,335	4	4	4	4	4	4	4	4
1/4	89,811	1/4	74,105	1/4	58,398	1/4	42,718	1/4	27,091	1/4	12,037	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,484	1/2	73,778	1/2	58,071	1/2	42,393	1/2	26,764	1/2	11,743	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,157	3/4	73,450	3/4	57,744	3/4	42,069	3/4	26,437	3/4	11,449	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	88,830	5	73,123	5	57,416	5	41,744	5	26,110	5	11,155	5	5	5	5	5	5	5	5
1/4	88,503	1/4	72,796	1/4	57,089	1/4	41,420	1/4	25,783	1/4	10,861	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,175	1/2	72,469	1/2	56,762	1/2	41,095	1/2	25,456	1/2	10,571	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,848	3/4	72,141	3/4	56,435	3/4	40,771	3/4	25,130	3/4	10,280	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	87,521	6	71,814	6	56,108	6	40,446	6	24,804	6	9,990	6	6	6	6	6	6	6	6
1/4	87,194	1/4	71,487	1/4	55,780	1/4	40,122	1/4	24,478	1/4	9,699	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,866	1/2	71,160	1/2	55,453	1/2	39,797	1/2	24,160	1/2	9,412	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,539	3/4	70,833	3/4	55,126	3/4	39,473	3/4	23,841	3/4	9,125	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	86,212	7	70,505	7	54,799	7	39,148	7	23,523	7	8,837	7	7	7	7	7	7	7	7
1/4	85,885	1/4	70,178	1/4	54,471	1/4	38,824	1/4	23,204	1/4	8,550	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,558	1/2	69,851	1/2	54,144	1/2	38,499	1/2	22,887	1/2	8,266	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,230	3/4	69,524	3/4	53,817	3/4	38,175	3/4	22,570	3/4	7,983	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	84,903	8	69,196	8	53,490	8	37,850	8	22,253	8	7,699	8	8	8	8	8	8	8	8
1/4	84,576	1/4	68,869	1/4	53,163	1/4	37,526	1/4	21,936	1/4	7,415	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,249	1/2	68,542	1/2	52,835	1/2	37,201	1/2	21,615	1/2	7,135	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,921	3/4	68,215	3/4	52,508	3/4	36,877	3/4	21,294	3/4	6,854	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	83,594	9	67,888	9	52,181	9	36,552	9	20,972	9	6,574	9	9	9	9	9	9	9	9
1/4	83,267	1/4	67,560	1/4	51,854	1/4	36,228	1/4	20,651	1/4	6,293	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,940	1/2	67,233	1/2	51,526	1/2	35,903	1/2	20,333	1/2	6,016	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,613	3/4	66,906	3/4	51,199	3/4	35,579	3/4	20,015	3/4	5,739	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	82,285	10	66,579	10	50,872	10	35,254	10	19,698	10	5,462	10	10	10	10	10	10	10	10
1/4	81,958	1/4	66,251	1/4	50,545	1/4	34,929	1/4	19,380	1/4	5,185	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,631	1/2	65,924	1/2	50,218	1/2	34,604	1/2	19,065	1/2	4,912	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,304	3/4	65,597	3/4	49,890	3/4	34,279	3/4	18,751	3/4	4,639	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	80,976	11	65,270	11	49,563	11	33,954	11	18,436	11	4,365	11	11	11	11	11	11	11	11
1/4	80,649	1/4	64,943	1/4	49,236	1/4	33,629	1/4	18,122	1/4	4,092	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,322	1/2	64,615	1/2	48,909	1/2	33,303	1/2	17,811	1/2	3,822	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,995	3/4	64,288	3/4	48,582	3/4	32,978	3/4	17,500	3/4	3,552	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/29/2013 CL - SW
CALCULATED: 01/29/2013 CL
PRINTED: 01/30/2013 SW

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 311"

1 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	205,636	0	190,036	0	174,435	0	158,759	0	143,071	0	127,382	0	111,690
1/4	1/4	1/4	1/4	1/4	1/4	1/4	219,825	1/4	205,311	1/4	189,711	1/4	174,110	1/4	158,432	1/4	142,744	1/4	127,055
1/2	1/2	1/2	1/2	1/2	1/2	1/2	219,660	1/2	204,986	1/2	189,385	1/2	173,785	1/2	158,105	1/2	142,417	1/2	126,728
3/4	3/4	3/4	3/4	3/4	3/4	3/4	219,495	3/4	204,661	3/4	189,060	3/4	173,460	3/4	157,778	3/4	142,090	3/4	126,401
1		1		1		1	219,276	1	204,336	1	188,735	1	173,135	1	157,451	1	141,763	1	126,074
1/4	1/4	1/4	1/4	1/4	1/4	1/4	219,056	1/4	204,011	1/4	188,410	1/4	172,809	1/4	157,125	1/4	141,437	1/4	125,747
1/2	1/2	1/2	1/2	1/2	1/2	1/2	218,837	1/2	203,686	1/2	188,085	1/2	172,484	1/2	156,798	1/2	141,110	1/2	125,420
3/4	3/4	3/4	3/4	3/4	3/4	3/4	218,617	3/4	203,361	3/4	187,760	3/4	172,159	3/4	156,471	3/4	140,783	3/4	125,093
2		2		2		2	218,344	2	203,036	2	187,435	2	171,832	2	156,144	2	140,456	2	124,766
1/4	1/4	1/4	1/4	1/4	1/4	1/4	218,071	1/4	202,711	1/4	187,110	1/4	171,505	1/4	155,817	1/4	140,129	1/4	124,440
1/2	1/2	1/2	1/2	1/2	1/2	1/2	217,799	1/2	202,386	1/2	186,785	1/2	171,179	1/2	155,490	1/2	139,802	1/2	124,113
3/4	3/4	3/4	3/4	3/4	3/4	3/4	217,526	3/4	202,061	3/4	186,460	3/4	170,852	3/4	155,164	3/4	139,476	3/4	123,786
3		3		3		3	217,213	3	201,736	3	186,135	3	170,525	3	154,837	3	139,149	3	123,459
1/4	1/4	1/4	1/4	1/4	1/4	1/4	216,900	1/4	201,411	1/4	185,810	1/4	170,198	1/4	154,510	1/4	138,822	1/4	123,132
1/2	1/2	1/2	1/2	1/2	1/2	1/2	216,587	1/2	201,086	1/2	185,485	1/2	169,871	1/2	154,183	1/2	138,495	1/2	122,805
3/4	3/4	3/4	3/4	3/4	3/4	3/4	216,274	3/4	200,761	3/4	185,160	3/4	169,544	3/4	153,856	3/4	138,168	3/4	122,478
4		4		4		4	215,955	4	200,436	4	184,835	4	169,218	4	153,529	4	137,841	4	122,151
1/4	1/4	1/4	1/4	1/4	1/4	1/4	215,636	1/4	200,111	1/4	184,510	1/4	168,891	1/4	153,203	1/4	137,515	1/4	121,824
1/2	1/2	1/2	1/2	1/2	1/2	1/2	215,317	1/2	199,786	1/2	184,185	1/2	168,564	1/2	152,876	1/2	137,188	1/2	121,497
3/4	3/4	3/4	3/4	3/4	3/4	3/4	214,998	3/4	199,461	3/4	183,860	3/4	168,237	3/4	152,549	3/4	136,861	3/4	121,170
5		5		5		5	214,678	5	199,136	5	183,535	5	167,910	5	152,222	5	136,534	5	120,843
1/4	1/4	1/4	1/4	1/4	1/4	1/4	214,358	1/4	198,811	1/4	183,210	1/4	167,583	1/4	151,895	1/4	136,207	1/4	120,517
1/2	1/2	1/2	1/2	1/2	1/2	1/2	214,038	1/2	198,486	1/2	182,885	1/2	167,257	1/2	151,568	1/2	135,880	1/2	120,190
3/4	3/4	3/4	3/4	3/4	3/4	3/4	213,718	3/4	198,161	3/4	182,560	3/4	166,930	3/4	151,242	3/4	135,554	3/4	119,863
6		6		6		6	213,397	6	197,836	6	182,235	6	166,603	6	150,915	6	135,227	6	119,536
1/4	1/4	1/4	1/4	1/4	1/4	1/4	213,076	1/4	197,511	1/4	181,910	1/4	166,276	1/4	150,588	1/4	134,900	1/4	119,209
1/2	1/2	1/2	1/2	1/2	1/2	1/2	212,755	1/2	197,186	1/2	181,585	1/2	165,949	1/2	150,261	1/2	134,573	1/2	118,882
3/4	3/4	3/4	3/4	3/4	3/4	3/4	212,434	3/4	196,861	3/4	181,260	3/4	165,622	3/4	149,934	3/4	134,246	3/4	118,555
7		7		7		7	212,113	7	196,536	7	180,935	7	165,295	7	149,607	7	133,919	7	118,228
1/4	1/4	1/4	1/4	1/4	1/4	1/4	211,791	1/4	196,211	1/4	180,610	1/4	164,969	1/4	149,281	1/4	133,593	1/4	117,901
1/2	1/2	1/2	1/2	1/2	1/2	1/2	211,470	1/2	195,886	1/2	180,285	1/2	164,642	1/2	148,954	1/2	133,266	1/2	117,574
3/4	3/4	3/4	3/4	3/4	3/4	3/4	211,149	3/4	195,561	3/4	179,960	3/4	164,315	3/4	148,627	3/4	132,939	3/4	117,247
8		8		8		8	210,827	8	195,236	8	179,635	8	163,988	8	148,300	8	132,612	8	116,921
1/4	1/4	1/4	1/4	1/4	1/4	1/4	210,505	1/4	194,911	1/4	179,310	1/4	163,661	1/4	147,973	1/4	132,285	1/4	116,594
1/2	1/2	1/2	1/2	1/2	1/2	1/2	210,183	1/2	194,586	1/2	178,985	1/2	163,334	1/2	147,646	1/2	131,958	1/2	116,267
3/4	3/4	3/4	3/4	3/4	3/4	3/4	209,861	3/4	194,261	3/4	178,660	3/4	163,008	3/4	147,320	3/4	131,632	3/4	115,940
9		9		9		9	209,536	9	193,936	9	178,335	9	162,681	9	146,993	9	131,305	9	115,613
1/4	1/4	1/4	1/4	1/4	1/4	1/4	209,211	1/4	193,611	1/4	178,010	1/4	162,354	1/4	146,666	1/4	130,978	1/4	115,286
1/2	1/2	1/2	1/2	1/2	1/2	1/2	208,886	1/2	193,286	1/2	177,685	1/2	162,027	1/2	146,339	1/2	130,651	1/2	114,959
3/4	3/4	3/4	3/4	3/4	3/4	3/4	208,561	3/4	192,961	3/4	177,360	3/4	161,700	3/4	146,012	3/4	130,324	3/4	114,632
10		10		10		10	208,236	10	192,636	10	177,035	10	161,373	10	145,685	10	129,997	10	114,305
1/4	1/4	1/4	1/4	1/4	1/4	1/4	207,911	1/4	192,311	1/4	176,710	1/4	161,047	1/4	145,359	1/4	129,670	1/4	113,978
1/2	1/2	1/2	1/2	1/2	1/2	1/2	207,586	1/2	191,986	1/2	176,385	1/2	160,720	1/2	145,032	1/2	129,343	1/2	113,651
3/4	3/4	3/4	3/4	3/4	3/4	3/4	207,261	3/4	191,661	3/4	176,060	3/4	160,393	3/4	144,705	3/4	129,016	3/4	113,325
11		11		11		11	206,936	11	191,336	11	175,735	11	160,066	11	144,378	11	128,689	11	112,998
1/4	1/4	1/4	1/4	1/4	1/4	1/4	206,611	1/4	191,011	1/4	175,410	1/4	159,739	1/4	144,051	1/4	128,362	1/4	112,671
1/2	1/2	1/2	1/2	1/2	1/2	1/2	206,286	1/2	190,686	1/2	175,085	1/2	159,412	1/2	143,724	1/2	128,036	1/2	112,344
3/4	3/4	3/4	3/4	3/4	3/4	3/4	205,961	3/4	190,361	3/4	174,760	3/4	159,086	3/4	143,398	3/4	127,709	3/4	112,017

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'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 311"

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	95,998	0	80,306	0	64,615	0	48,923	0	33,271	0	17,794	0	3,818	0		0		0	
1/4	95,671	1/4	79,980	1/4	64,288	1/4	48,596	1/4	32,945	1/4	17,483	1/4	3,549	1/4	1/4		1/4		1/4
1/2	95,344	1/2	79,653	1/2	63,961	1/2	48,269	1/2	32,618	1/2	17,172	1/2	3,279	1/2	1/2		1/2		1/2
3/4	95,017	3/4	79,326	3/4	63,634	3/4	47,942	3/4	32,292	3/4	16,861	3/4	3,010	3/4	3/4		3/4		3/4
1	94,691	1	78,999	1	63,307	1	47,616	1	31,966	1	16,554	1	2,750	1	1		1		1
1/4	94,364	1/4	78,672	1/4	62,980	1/4	47,289	1/4	31,639	1/4	16,247	1/4	2,490	1/4	1/4		1/4		1/4
1/2	94,037	1/2	78,345	1/2	62,653	1/2	46,963	1/2	31,313	1/2	15,939	1/2	2,230	1/2	1/2		1/2		1/2
3/4	93,710	3/4	78,018	3/4	62,326	3/4	46,636	3/4	30,986	3/4	15,632	3/4	1,970	3/4	3/4		3/4		3/4
2	93,383	2	77,691	2	61,999	2	46,310	2	30,660	2	15,328	2	1,758	2	2		2		2
1/4	93,056	1/4	77,364	1/4	61,672	1/4	45,983	1/4	30,333	1/4	15,024	1/4	1,546	1/4	1/4		1/4		1/4
1/2	92,729	1/2	77,037	1/2	61,346	1/2	45,657	1/2	30,007	1/2	14,720	1/2	1,334	1/2	1/2		1/2		1/2
3/4	92,402	3/4	76,710	3/4	61,019	3/4	45,330	3/4	29,680	3/4	14,416	3/4	1,122	3/4	3/4		3/4		3/4
3	92,075	3	76,384	3	60,692	3	45,004	3	29,353	3	14,116	3	987	3	3		3		3
1/4	91,748	1/4	76,057	1/4	60,365	1/4	44,678	1/4	29,027	1/4	13,815	1/4	853	1/4	1/4		1/4		1/4
1/2	91,421	1/2	75,730	1/2	60,038	1/2	44,352	1/2	28,700	1/2	13,515	1/2	718	1/2	1/2		1/2		1/2
3/4	91,095	3/4	75,403	3/4	59,711	3/4	44,026	3/4	28,373	3/4	13,214	3/4	584	3/4	3/4		3/4		3/4
4	90,768	4	75,076	4	59,384	4	43,699	4	28,046	4	12,917	4		4	4		4		4
1/4	90,441	1/4	74,749	1/4	59,057	1/4	43,373	1/4	27,719	1/4	12,620	1/4		1/4	1/4		1/4		1/4
1/2	90,114	1/2	74,422	1/2	58,730	1/2	43,047	1/2	27,392	1/2	12,323	1/2		1/2	1/2		1/2		1/2
3/4	89,787	3/4	74,095	3/4	58,403	3/4	42,721	3/4	27,065	3/4	12,026	3/4		3/4	3/4		3/4		3/4
5	89,460	5	73,768	5	58,076	5	42,395	5	26,738	5	11,732	5	5	5	5		5		5
1/4	89,133	1/4	73,441	1/4	57,750	1/4	42,070	1/4	26,411	1/4	11,438	1/4		1/4	1/4		1/4		1/4
1/2	88,806	1/2	73,114	1/2	57,423	1/2	41,744	1/2	26,084	1/2	11,144	1/2		1/2	1/2		1/2		1/2
3/4	88,479	3/4	72,787	3/4	57,096	3/4	41,418	3/4	25,758	3/4	10,851	3/4		3/4	3/4		3/4		3/4
6	88,152	6	72,461	6	56,769	6	41,092	6	25,432	6	10,560	6	6	6	6		6		6
1/4	87,825	1/4	72,134	1/4	56,442	1/4	40,767	1/4	25,106	1/4	10,270	1/4		1/4	1/4		1/4		1/4
1/2	87,498	1/2	71,807	1/2	56,115	1/2	40,441	1/2	24,780	1/2	9,980	1/2		1/2	1/2		1/2		1/2
3/4	87,172	3/4	71,480	3/4	55,788	3/4	40,115	3/4	24,454	3/4	9,689	3/4		3/4	3/4		3/4		3/4
7	86,845	7	71,153	7	55,461	7	39,790	7	24,136	7	9,402	7	7	7	7		7		7
1/4	86,518	1/4	70,826	1/4	55,134	1/4	39,464	1/4	23,818	1/4	9,115	1/4		1/4	1/4		1/4		1/4
1/2	86,191	1/2	70,499	1/2	54,807	1/2	39,138	1/2	23,500	1/2	8,829	1/2		1/2	1/2		1/2		1/2
3/4	85,864	3/4	70,172	3/4	54,480	3/4	38,812	3/4	23,182	3/4	8,542	3/4		3/4	3/4		3/4		3/4
8	85,537	8	69,845	8	54,154	8	38,487	8	22,865	8	8,258	8	8	8	8		8		8
1/4	85,210	1/4	69,518	1/4	53,827	1/4	38,161	1/4	22,548	1/4	7,975	1/4		1/4	1/4		1/4		1/4
1/2	84,883	1/2	69,191	1/2	53,500	1/2	37,835	1/2	22,232	1/2	7,691	1/2		1/2	1/2		1/2		1/2
3/4	84,556	3/4	68,865	3/4	53,173	3/4	37,510	3/4	21,915	3/4	7,408	3/4		3/4	3/4		3/4		3/4
9	84,229	9	68,538	9	52,846	9	37,184	9	21,594	9	7,127	9	9	9	9		9		9
1/4	83,902	1/4	68,211	1/4	52,519	1/4	36,858	1/4	21,273	1/4	6,847	1/4		1/4	1/4		1/4		1/4
1/2	83,576	1/2	67,884	1/2	52,192	1/2	36,532	1/2	20,952	1/2	6,567	1/2		1/2	1/2		1/2		1/2
3/4	83,249	3/4	67,557	3/4	51,865	3/4	36,207	3/4	20,631	3/4	6,287	3/4		3/4	3/4		3/4		3/4
10	82,922	10	67,230	10	51,538	10	35,881	10	20,314	10	6,010	10	10	10	10		10		10
1/4	82,595	1/4	66,903	1/4	51,211	1/4	35,555	1/4	19,996	1/4	5,734	1/4		1/4	1/4		1/4		1/4
1/2	82,268	1/2	66,576	1/2	50,884	1/2	35,229	1/2	19,678	1/2	5,457	1/2		1/2	1/2		1/2		1/2
3/4	81,941	3/4	66,249	3/4	50,557	3/4	34,903	3/4	19,361	3/4	5,180	3/4		3/4	3/4		3/4		3/4
11	81,614	11	65,922	11	50,231	11	34,577	11	19,047	11	4,907	11	11	11	11		11		11
1/4	81,287	1/4	65,595	1/4	49,904	1/4	34,251	1/4	18,733	1/4	4,634	1/4		1/4	1/4		1/4		1/4
1/2	80,960	1/2	65,269	1/2	49,577	1/2	33,924	1/2	18,418	1/2	4,361	1/2		1/2	1/2		1/2		1/2
3/4	80,633	3/4	64,942	3/4	49,250	3/4	33,598	3/4	18,104	3/4	4,087	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/29/2013 CL - SW
CALCULATED: 01/29/2013 CL
PRINTED: 01/30/2013 SW

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 311"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	201,768	0	186,704	0	171,641	0	156,505	0	141,354	0	126,201	0	111,046		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	201,454	1/4	186,390	1/4	171,327	1/4	156,189	1/4	141,038	1/4	125,886	1/4	110,731		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	201,140	1/2	186,077	1/2	171,013	1/2	155,873	1/2	140,722	1/2	125,570	1/2	110,415		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	214,837	3/4	200,827	3/4	185,763	3/4	170,699	3/4	155,558	3/4	140,407	3/4	125,254	3/4	110,099
1		1		1		1	214,678	1	200,513	1	185,449	1	170,385	1	155,242	1	140,091	1	124,938	1	109,783
1/4	1/4	1/4	1/4	1/4	1/4	1/4	214,519	1/4	200,199	1/4	185,135	1/4	170,071	1/4	154,927	1/4	139,775	1/4	124,623	1/4	109,468
1/2	1/2	1/2	1/2	1/2	1/2	1/2	214,307	1/2	199,885	1/2	184,821	1/2	169,757	1/2	154,611	1/2	139,460	1/2	124,307	1/2	109,152
3/4	3/4	3/4	3/4	3/4	3/4	3/4	214,095	3/4	199,571	3/4	184,508	3/4	169,443	3/4	154,295	3/4	139,144	3/4	123,991	3/4	108,836
2		2		2		2	213,883	2	199,257	2	184,194	2	169,129	2	153,980	2	138,828	2	123,675	2	108,520
1/4	1/4	1/4	1/4	1/4	1/4	1/4	213,671	1/4	198,944	1/4	183,880	1/4	168,815	1/4	153,664	1/4	138,513	1/4	123,360	1/4	108,205
1/2	1/2	1/2	1/2	1/2	1/2	1/2	213,408	1/2	198,630	1/2	183,566	1/2	168,500	1/2	153,348	1/2	138,197	1/2	123,044	1/2	107,889
3/4	3/4	3/4	3/4	3/4	3/4	3/4	213,145	3/4	198,316	3/4	183,252	3/4	168,184	3/4	153,033	3/4	137,881	3/4	122,728	3/4	107,573
3		3		3		3	212,882	3	198,002	3	182,938	3	167,868	3	152,717	3	137,566	3	122,413	3	107,258
1/4	1/4	1/4	1/4	1/4	1/4	1/4	212,618	1/4	197,688	1/4	182,625	1/4	167,553	1/4	152,401	1/4	137,250	1/4	122,097	1/4	106,942
1/2	1/2	1/2	1/2	1/2	1/2	1/2	212,316	1/2	197,374	1/2	182,311	1/2	167,237	1/2	152,086	1/2	136,934	1/2	121,781	1/2	106,626
3/4	3/4	3/4	3/4	3/4	3/4	3/4	212,014	3/4	197,061	3/4	181,997	3/4	166,921	3/4	151,770	3/4	136,619	3/4	121,465	3/4	106,310
4		4		4		4	211,712	4	196,747	4	181,683	4	166,606	4	151,454	4	136,303	4	121,150	4	105,995
1/4	1/4	1/4	1/4	1/4	1/4	1/4	211,410	1/4	196,433	1/4	181,369	1/4	166,290	1/4	151,139	1/4	135,987	1/4	120,834	1/4	105,679
1/2	1/2	1/2	1/2	1/2	1/2	1/2	211,102	1/2	196,119	1/2	181,055	1/2	165,974	1/2	150,823	1/2	135,672	1/2	120,518	1/2	105,363
3/4	3/4	3/4	3/4	3/4	3/4	3/4	210,794	3/4	195,805	3/4	180,742	3/4	165,659	3/4	150,507	3/4	135,356	3/4	120,202	3/4	105,047
5		5		5		5	210,486	5	195,491	5	180,428	5	165,343	5	150,192	5	135,040	5	119,887	5	104,732
1/4	1/4	1/4	1/4	1/4	1/4	1/4	210,178	1/4	195,178	1/4	180,114	1/4	165,027	1/4	149,876	1/4	134,725	1/4	119,571	1/4	104,416
1/2	1/2	1/2	1/2	1/2	1/2	1/2	209,869	1/2	194,864	1/2	179,800	1/2	164,712	1/2	149,560	1/2	134,409	1/2	119,255	1/2	104,100
3/4	3/4	3/4	3/4	3/4	3/4	3/4	209,560	3/4	194,550	3/4	179,486	3/4	164,396	3/4	149,245	3/4	134,094	3/4	118,940	3/4	103,784
6		6		6		6	209,251	6	194,236	6	179,172	6	164,080	6	148,929	6	133,778	6	118,624	6	103,469
1/4	1/4	1/4	1/4	1/4	1/4	1/4	208,942	1/4	193,922	1/4	178,859	1/4	163,765	1/4	148,614	1/4	133,462	1/4	118,308	1/4	103,153
1/2	1/2	1/2	1/2	1/2	1/2	1/2	208,633	1/2	193,609	1/2	178,545	1/2	163,449	1/2	148,298	1/2	133,147	1/2	117,992	1/2	102,837
3/4	3/4	3/4	3/4	3/4	3/4	3/4	208,323	3/4	193,295	3/4	178,231	3/4	163,133	3/4	147,982	3/4	132,831	3/4	117,677	3/4	102,522
7		7		7		7	208,013	7	192,981	7	177,917	7	162,818	7	147,667	7	132,515	7	117,361	7	102,206
1/4	1/4	1/4	1/4	1/4	1/4	1/4	207,704	1/4	192,667	1/4	177,603	1/4	162,502	1/4	147,351	1/4	132,200	1/4	117,045	1/4	101,890
1/2	1/2	1/2	1/2	1/2	1/2	1/2	207,394	1/2	192,353	1/2	177,289	1/2	162,187	1/2	147,035	1/2	131,884	1/2	116,729	1/2	101,574
3/4	3/4	3/4	3/4	3/4	3/4	3/4	207,083	3/4	192,039	3/4	176,976	3/4	161,871	3/4	146,720	3/4	131,568	3/4	116,414	3/4	101,259
8		8		8		8	206,773	8	191,726	8	176,662	8	161,555	8	146,404	8	131,253	8	116,098	8	100,943
1/4	1/4	1/4	1/4	1/4	1/4	1/4	206,463	1/4	191,412	1/4	176,348	1/4	161,240	1/4	146,088	1/4	130,937	1/4	115,782	1/4	100,627
1/2	1/2	1/2	1/2	1/2	1/2	1/2	206,152	1/2	191,098	1/2	176,034	1/2	160,924	1/2	145,773	1/2	130,621	1/2	115,467	1/2	100,311
3/4	3/4	3/4	3/4	3/4	3/4	3/4	205,842	3/4	190,784	3/4	175,720	3/4	160,608	3/4	145,457	3/4	130,306	3/4	115,151	3/4	99,996
9		9		9		9	205,531	9	190,470	9	175,407	9	160,293	9	145,141	9	129,990	9	114,835	9	99,680
1/4	1/4	1/4	1/4	1/4	1/4	1/4	205,220	1/4	190,156	1/4	175,093	1/4	159,977	1/4	144,826	1/4	129,674	1/4	114,519	1/4	99,364
1/2	1/2	1/2	1/2	1/2	1/2	1/2	204,906	1/2	189,843	1/2	174,779	1/2	159,661	1/2	144,510	1/2	129,359	1/2	114,204	1/2	99,049
3/4	3/4	3/4	3/4	3/4	3/4	3/4	204,592	3/4	189,529	3/4	174,465	3/4	159,346	3/4	144,194	3/4	129,043	3/4	113,888	3/4	98,733
10		10		10		10	204,279	10	189,215	10	174,151	10	159,030	10	143,879	10	128,727	10	113,572	10	98,417
1/4	1/4	1/4	1/4	1/4	1/4	1/4	203,965	1/4	188,901	1/4	173,837	1/4	158,714	1/4	143,563	1/4	128,411	1/4	113,256	1/4	98,101
1/2	1/2	1/2	1/2	1/2	1/2	1/2	203,651	1/2	188,587	1/2	173,524	1/2	158,399	1/2	143,247	1/2	128,096	1/2	112,941	1/2	97,786
3/4	3/4	3/4	3/4	3/4	3/4	3/4	203,337	3/4	188,273	3/4	173,210	3/4	158,083	3/4	142,932	3/4	127,780	3/4	112,625	3/4	97,470
11		11		11		11	203,023	11	187,960	11	172,896	11	157,767	11	142,616	11	127,464	11	112,309	11	97,154
1/4	1/4	1/4	1/4	1/4	1/4	1/4	202,710	1/4	187,646	1/4	172,582	1/4	157,452	1/4	142,300	1/4	127,149	1/4	111,993	1/4	96,838
1/2	1/2	1/2	1/2	1/2	1/2	1/2	202,396	1/2	187,332	1/2	172,268	1/2	157,136	1/2	141,985	1/2	126,833	1/2	111,678	1/2	96,523
3/4	3/4	3/4	3/4	3/4	3/4	3/4	202,082	3/4	187,018	3/4	171,954	3/4	156,820	3/4	141,669	3/4	126,517	3/4	111,362	3/4	96,207

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'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 311"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	95,891	0	80,736	0	65,581	0	50,426	0	35,531	0	20,376	0	5,222	0		0		0	
1/4	95,576	1/4	80,420	1/4	65,265	1/4	50,110	1/4	35,215	1/4	20,060	1/4	4,906	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,260	1/2	80,105	1/2	64,950	1/2	49,795	1/2	34,899	1/2	19,745	1/2	4,591	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,944	3/4	79,789	3/4	64,634	3/4	49,481	3/4	34,584	3/4	19,429	3/4	4,276	3/4	3/4	3/4	3/4	3/4	3/4
1	94,628	1	79,473	1	64,318	1	49,166	1	34,268	1	19,113	1	3,961	1	1	1	1	1	1
1/4	94,313	1/4	79,158	1/4	64,003	1/4	48,851	1/4	33,952	1/4	18,798	1/4	3,646	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,997	1/2	78,842	1/2	63,687	1/2	48,541	1/2	33,636	1/2	18,482	1/2	3,336	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,681	3/4	78,526	3/4	63,371	3/4	48,232	3/4	33,321	3/4	18,166	3/4	3,027	3/4	3/4	3/4	3/4	3/4	3/4
2	93,365	2	78,210	2	63,055	2	47,922	2	33,005	2	17,850	2	2,717	2	2	2	2	2	2
1/4	93,050	1/4	77,895	1/4	62,740	1/4	47,613	1/4	32,689	1/4	17,535	1/4	2,408	1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,734	1/2	77,579	1/2	62,424	1/2	47,303	1/2	32,374	1/2	17,219	1/2	2,141	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,418	3/4	77,263	3/4	62,108	3/4	46,994	3/4	32,058	3/4	16,903	3/4	1,875	3/4	3/4	3/4	3/4	3/4	3/4
3	92,102	3	76,947	3	61,792	3	46,684	3	31,742	3	16,587	3	1,609	3	3	3	3	3	3
1/4	91,787	1/4	76,632	1/4	61,477	1/4	46,375	1/4	31,426	1/4	16,272	1/4	1,342	1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,471	1/2	76,316	1/2	61,161	1/2	46,065	1/2	31,111	1/2	15,956	1/2	1,155	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,155	3/4	76,000	3/4	60,845	3/4	45,756	3/4	30,795	3/4	15,640	3/4	968	3/4	3/4	3/4	3/4	3/4	3/4
4	90,840	4	75,685	4	60,530	4	45,447	4	30,479	4	15,325	4	780	4	4	4	4	4	4
1/4	90,524	1/4	75,369	1/4	60,214	1/4	45,138	1/4	30,163	1/4	15,009	1/4	593	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,208	1/2	75,053	1/2	59,898	1/2	44,829	1/2	29,848	1/2	14,693	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,892	3/4	74,737	3/4	59,582	3/4	44,520	3/4	29,532	3/4	14,377	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	89,577	5	74,422	5	59,267	5	44,210	5	29,216	5	14,062	5		5	5	5	5	5	5
1/4	89,261	1/4	74,106	1/4	58,951	1/4	43,901	1/4	28,901	1/4	13,746	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,945	1/2	73,790	1/2	58,635	1/2	43,592	1/2	28,585	1/2	13,430	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,629	3/4	73,474	3/4	58,319	3/4	43,283	3/4	28,269	3/4	13,115	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	88,314	6	73,159	6	58,004	6	42,974	6	27,953	6	12,799	6		6	6	6	6	6	6
1/4	87,998	1/4	72,843	1/4	57,688	1/4	42,665	1/4	27,638	1/4	12,483	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,682	1/2	72,527	1/2	57,372	1/2	42,355	1/2	27,322	1/2	12,167	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,367	3/4	72,212	3/4	57,056	3/4	42,046	3/4	27,006	3/4	11,852	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	87,051	7	71,896	7	56,741	7	41,737	7	26,691	7	11,536	7		7	7	7	7	7	7
1/4	86,735	1/4	71,580	1/4	56,425	1/4	41,428	1/4	26,375	1/4	11,220	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,419	1/2	71,264	1/2	56,109	1/2	41,119	1/2	26,059	1/2	10,904	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,104	3/4	70,949	3/4	55,794	3/4	40,810	3/4	25,743	3/4	10,589	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	85,788	8	70,633	8	55,478	8	40,500	8	25,428	8	10,273	8		8	8	8	8	8	8
1/4	85,472	1/4	70,317	1/4	55,162	1/4	40,191	1/4	25,112	1/4	9,957	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,156	1/2	70,001	1/2	54,846	1/2	39,882	1/2	24,796	1/2	9,642	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,841	3/4	69,686	3/4	54,531	3/4	39,573	3/4	24,480	3/4	9,326	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	84,525	9	69,370	9	54,215	9	39,264	9	24,165	9	9,010	9		9	9	9	9	9	9
1/4	84,209	1/4	69,054	1/4	53,899	1/4	38,955	1/4	23,849	1/4	8,694	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,894	1/2	68,738	1/2	53,583	1/2	38,645	1/2	23,533	1/2	8,379	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,578	3/4	68,423	3/4	53,268	3/4	38,336	3/4	23,218	3/4	8,063	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	83,262	10	68,107	10	52,952	10	38,027	10	22,902	10	7,747	10		10	10	10	10	10	10
1/4	82,946	1/4	67,791	1/4	52,636	1/4	37,718	1/4	22,586	1/4	7,432	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,631	1/2	67,476	1/2	52,321	1/2	37,408	1/2	22,270	1/2	7,116	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,315	3/4	67,160	3/4	52,005	3/4	37,098	3/4	21,955	3/4	6,800	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	81,999	11	66,844	11	51,689	11	36,788	11	21,639	11	6,484	11		11	11	11	11	11	11
1/4	81,683	1/4	66,528	1/4	51,373	1/4	36,478	1/4	21,323	1/4	6,169	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,368	1/2	66,213	1/2	51,058	1/2	36,162	1/2	21,008	1/2	5,853	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,052	3/4	65,897	3/4	50,742	3/4	35,846	3/4	20,692	3/4	5,537	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/29/2013 CL - SW
CALCULATED: 01/29/2013 CL
PRINTED: 01/30/2013 SW

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 311"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	201,913	0	186,832	0	171,752	0	156,599	0	141,431	0	126,262	0	111,090
1/4	1/4	1/4	1/4	1/4	1/4	1/4	201,598	1/4	186,518	1/4	171,438	1/4	156,283	1/4	141,115	1/4	125,946	1/4	110,774
1/2	1/2	1/2	1/2	1/2	1/2	1/2	201,284	1/2	186,204	1/2	171,123	1/2	155,967	1/2	140,799	1/2	125,630	1/2	110,458
3/4	3/4	3/4	3/4	3/4	3/4	3/4	214,996	3/4	200,970	3/4	185,890	3/4	170,809	3/4	155,651	3/4	140,483	3/4	110,142
1		1		1		1	214,837	1	200,656	1	185,575	1	170,495	1	155,335	1	140,167	1	109,826
1/4	1/4	1/4	1/4	1/4	1/4	1/4	214,677	1/4	200,342	1/4	185,261	1/4	170,181	1/4	155,019	1/4	139,851	1/4	109,510
1/2	1/2	1/2	1/2	1/2	1/2	1/2	214,465	1/2	200,028	1/2	184,947	1/2	169,866	1/2	154,703	1/2	139,535	1/2	109,194
3/4	3/4	3/4	3/4	3/4	3/4	3/4	214,253	3/4	199,713	3/4	184,633	3/4	169,552	3/4	154,387	3/4	139,219	3/4	108,878
2		2		2		2	214,041	2	199,399	2	184,319	2	169,238	2	154,071	2	138,903	2	108,562
1/4	1/4	1/4	1/4	1/4	1/4	1/4	213,829	1/4	199,085	1/4	184,005	1/4	168,923	1/4	153,755	1/4	138,587	1/4	108,246
1/2	1/2	1/2	1/2	1/2	1/2	1/2	213,566	1/2	198,771	1/2	183,690	1/2	168,607	1/2	153,439	1/2	138,271	1/2	107,930
3/4	3/4	3/4	3/4	3/4	3/4	3/4	213,302	3/4	198,457	3/4	183,376	3/4	168,291	3/4	153,123	3/4	137,955	3/4	107,613
3		3		3		3	213,038	3	198,142	3	183,062	3	167,975	3	152,807	3	137,639	3	107,297
1/4	1/4	1/4	1/4	1/4	1/4	1/4	212,775	1/4	197,828	1/4	182,748	1/4	167,659	1/4	152,491	1/4	137,323	1/4	106,981
1/2	1/2	1/2	1/2	1/2	1/2	1/2	212,472	1/2	197,514	1/2	182,434	1/2	167,343	1/2	152,175	1/2	137,007	1/2	106,665
3/4	3/4	3/4	3/4	3/4	3/4	3/4	212,170	3/4	197,200	3/4	182,120	3/4	167,027	3/4	151,859	3/4	136,691	3/4	106,349
4		4		4		4	211,867	4	196,886	4	181,805	4	166,711	4	151,543	4	136,375	4	106,033
1/4	1/4	1/4	1/4	1/4	1/4	1/4	211,565	1/4	196,572	1/4	181,491	1/4	166,395	1/4	151,227	1/4	136,059	1/4	105,717
1/2	1/2	1/2	1/2	1/2	1/2	1/2	211,257	1/2	196,257	1/2	181,177	1/2	166,079	1/2	150,911	1/2	135,743	1/2	105,401
3/4	3/4	3/4	3/4	3/4	3/4	3/4	210,949	3/4	195,943	3/4	180,863	3/4	165,763	3/4	150,595	3/4	135,427	3/4	105,085
5		5		5		5	210,640	5	195,629	5	180,549	5	165,447	5	150,279	5	135,111	5	104,769
1/4	1/4	1/4	1/4	1/4	1/4	1/4	210,332	1/4	195,315	1/4	180,234	1/4	165,131	1/4	149,963	1/4	134,795	1/4	104,453
1/2	1/2	1/2	1/2	1/2	1/2	1/2	210,023	1/2	195,001	1/2	179,920	1/2	164,815	1/2	149,647	1/2	134,479	1/2	104,137
3/4	3/4	3/4	3/4	3/4	3/4	3/4	209,714	3/4	194,687	3/4	179,606	3/4	164,499	3/4	149,331	3/4	134,163	3/4	103,821
6		6		6		6	209,404	6	194,372	6	179,292	6	164,183	6	149,015	6	133,847	6	103,504
1/4	1/4	1/4	1/4	1/4	1/4	1/4	209,095	1/4	194,058	1/4	178,978	1/4	163,867	1/4	148,699	1/4	133,531	1/4	103,188
1/2	1/2	1/2	1/2	1/2	1/2	1/2	208,785	1/2	193,744	1/2	178,664	1/2	163,551	1/2	148,383	1/2	133,215	1/2	102,872
3/4	3/4	3/4	3/4	3/4	3/4	3/4	208,475	3/4	193,430	3/4	178,349	3/4	163,235	3/4	148,067	3/4	132,899	3/4	102,556
7		7		7		7	208,165	7	193,116	7	178,035	7	162,919	7	147,751	7	132,583	7	102,240
1/4	1/4	1/4	1/4	1/4	1/4	1/4	207,855	1/4	192,801	1/4	177,721	1/4	162,603	1/4	147,435	1/4	132,267	1/4	101,924
1/2	1/2	1/2	1/2	1/2	1/2	1/2	207,544	1/2	192,487	1/2	177,407	1/2	162,287	1/2	147,119	1/2	131,951	1/2	101,608
3/4	3/4	3/4	3/4	3/4	3/4	3/4	207,234	3/4	192,173	3/4	177,093	3/4	161,971	3/4	146,803	3/4	131,635	3/4	101,292
8		8		8		8	206,923	8	191,859	8	176,779	8	161,655	8	146,487	8	131,319	8	100,976
1/4	1/4	1/4	1/4	1/4	1/4	1/4	206,613	1/4	191,545	1/4	176,464	1/4	161,339	1/4	146,171	1/4	131,003	1/4	100,660
1/2	1/2	1/2	1/2	1/2	1/2	1/2	206,302	1/2	191,231	1/2	176,150	1/2	161,023	1/2	145,855	1/2	130,687	1/2	100,344
3/4	3/4	3/4	3/4	3/4	3/4	3/4	205,991	3/4	190,916	3/4	175,836	3/4	160,707	3/4	145,539	3/4	130,371	3/4	100,028
9		9		9		9	205,680	9	190,602	9	175,522	9	160,391	9	145,223	9	130,055	9	99,712
1/4	1/4	1/4	1/4	1/4	1/4	1/4	205,368	1/4	190,288	1/4	175,208	1/4	160,075	1/4	144,907	1/4	129,739	1/4	99,395
1/2	1/2	1/2	1/2	1/2	1/2	1/2	205,054	1/2	189,974	1/2	174,893	1/2	159,759	1/2	144,591	1/2	129,423	1/2	99,079
3/4	3/4	3/4	3/4	3/4	3/4	3/4	204,740	3/4	189,660	3/4	174,579	3/4	159,443	3/4	144,275	3/4	129,107	3/4	98,763
10		10		10		10	204,426	10	189,346	10	174,265	10	159,127	10	143,959	10	128,791	10	98,447
1/4	1/4	1/4	1/4	1/4	1/4	1/4	204,112	1/4	189,031	1/4	173,951	1/4	158,811	1/4	143,643	1/4	128,475	1/4	98,131
1/2	1/2	1/2	1/2	1/2	1/2	1/2	203,798	1/2	188,717	1/2	173,637	1/2	158,495	1/2	143,327	1/2	128,159	1/2	97,815
3/4	3/4	3/4	3/4	3/4	3/4	3/4	203,483	3/4	188,403	3/4	173,323	3/4	158,179	3/4	143,011	3/4	127,843	3/4	97,499
11		11		11		11	203,169	11	188,089	11	173,008	11	157,863	11	142,695	11	127,526	11	97,183
1/4	1/4	1/4	1/4	1/4	1/4	1/4	202,855	1/4	187,775	1/4	172,694	1/4	157,547	1/4	142,379	1/4	127,210	1/4	96,867
1/2	1/2	1/2	1/2	1/2	1/2	1/2	202,541	1/2	187,460	1/2	172,380	1/2	157,231	1/2	142,063	1/2	126,894	1/2	96,551
3/4	3/4	3/4	3/4	3/4	3/4	3/4	202,227	3/4	187,146	3/4	172,066	3/4	156,915	3/4	141,747	3/4	126,578	3/4	96,235

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'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 311"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	95,919	0	80,747	0	65,575	0	50,403	0	35,536	0	20,399	0	5,228	0		0		0	
1/4	95,602	1/4	80,431	1/4	65,259	1/4	50,087	1/4	35,228	1/4	20,083	1/4	4,912	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,286	1/2	80,115	1/2	64,943	1/2	49,771	1/2	34,918	1/2	19,767	1/2	4,596	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,970	3/4	79,799	3/4	64,627	3/4	49,455	3/4	34,609	3/4	19,451	3/4	4,281	3/4	3/4	3/4	3/4	3/4	3/4
1	94,654	1	79,482	1	64,311	1	49,140	1	34,299	1	19,134	1	3,965	1	1	1	1	1	1
1/4	94,338	1/4	79,166	1/4	63,995	1/4	48,824	1/4	33,990	1/4	18,818	1/4	3,650	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,022	1/2	78,850	1/2	63,678	1/2	48,510	1/2	33,674	1/2	18,502	1/2	3,340	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,706	3/4	78,534	3/4	63,362	3/4	48,195	3/4	33,358	3/4	18,186	3/4	3,030	3/4	3/4	3/4	3/4	3/4	3/4
2	93,390	2	78,218	2	63,046	2	47,881	2	33,042	2	17,870	2	2,720	2	2	2	2	2	2
1/4	93,074	1/4	77,902	1/4	62,730	1/4	47,567	1/4	32,725	1/4	17,554	1/4	2,411	1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,758	1/2	77,586	1/2	62,414	1/2	47,254	1/2	32,409	1/2	17,238	1/2	2,144	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,442	3/4	77,270	3/4	62,098	3/4	46,940	3/4	32,093	3/4	16,922	3/4	1,877	3/4	3/4	3/4	3/4	3/4	3/4
3	92,126	3	76,954	3	61,782	3	46,627	3	31,777	3	16,606	3	1,611	3	3	3	3	3	3
1/4	91,810	1/4	76,638	1/4	61,466	1/4	46,313	1/4	31,461	1/4	16,290	1/4	1,344	1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,493	1/2	76,322	1/2	61,150	1/2	46,006	1/2	31,145	1/2	15,974	1/2	1,156	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,177	3/4	76,006	3/4	60,834	3/4	45,698	3/4	30,829	3/4	15,658	3/4	969	3/4	3/4	3/4	3/4	3/4	3/4
4	90,861	4	75,689	4	60,518	4	45,390	4	30,513	4	15,342	4	781	4	4	4	4	4	4
1/4	90,545	1/4	75,373	1/4	60,202	1/4	45,082	1/4	30,197	1/4	15,026	1/4	594	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,229	1/2	75,057	1/2	59,886	1/2	44,774	1/2	29,881	1/2	14,709	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,913	3/4	74,741	3/4	59,569	3/4	44,466	3/4	29,565	3/4	14,393	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	89,597	5	74,425	5	59,253	5	44,159	5	29,249	5	14,077	5	5	5	5	5	5	5	5
1/4	89,281	1/4	74,109	1/4	58,937	1/4	43,851	1/4	28,933	1/4	13,761	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,965	1/2	73,793	1/2	58,621	1/2	43,543	1/2	28,617	1/2	13,445	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,649	3/4	73,477	3/4	58,305	3/4	43,235	3/4	28,300	3/4	13,129	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	88,333	6	73,161	6	57,989	6	42,927	6	27,984	6	12,813	6	6	6	6	6	6	6	6
1/4	88,017	1/4	72,845	1/4	57,673	1/4	42,619	1/4	27,668	1/4	12,497	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,700	1/2	72,529	1/2	57,357	1/2	42,311	1/2	27,352	1/2	12,181	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,384	3/4	72,213	3/4	57,041	3/4	42,004	3/4	27,036	3/4	11,865	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	87,068	7	71,897	7	56,725	7	41,696	7	26,720	7	11,549	7	7	7	7	7	7	7	7
1/4	86,752	1/4	71,580	1/4	56,409	1/4	41,388	1/4	26,404	1/4	11,233	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,436	1/2	71,264	1/2	56,093	1/2	41,080	1/2	26,088	1/2	10,917	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,120	3/4	70,948	3/4	55,776	3/4	40,772	3/4	25,772	3/4	10,601	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	85,804	8	70,632	8	55,460	8	40,464	8	25,456	8	10,284	8	8	8	8	8	8	8	8
1/4	85,488	1/4	70,316	1/4	55,144	1/4	40,157	1/4	25,140	1/4	9,968	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,172	1/2	70,000	1/2	54,828	1/2	39,849	1/2	24,824	1/2	9,652	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,856	3/4	69,684	3/4	54,512	3/4	39,541	3/4	24,508	3/4	9,336	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	84,540	9	69,368	9	54,196	9	39,233	9	24,192	9	9,020	9	9	9	9	9	9	9	9
1/4	84,224	1/4	69,052	1/4	53,880	1/4	38,925	1/4	23,876	1/4	8,704	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,908	1/2	68,736	1/2	53,564	1/2	38,617	1/2	23,559	1/2	8,388	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,591	3/4	68,420	3/4	53,248	3/4	38,309	3/4	23,243	3/4	8,072	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	83,275	10	68,104	10	52,932	10	38,002	10	22,927	10	7,756	10	10	10	10	10	10	10	10
1/4	82,959	1/4	67,787	1/4	52,616	1/4	37,694	1/4	22,611	1/4	7,440	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,643	1/2	67,471	1/2	52,300	1/2	37,386	1/2	22,295	1/2	7,124	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,327	3/4	67,155	3/4	51,984	3/4	37,078	3/4	21,979	3/4	6,808	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	82,011	11	66,839	11	51,667	11	36,770	11	21,663	11	6,492	11	11	11	11	11	11	11	11
1/4	81,695	1/4	66,523	1/4	51,351	1/4	36,462	1/4	21,347	1/4	6,176	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,379	1/2	66,207	1/2	51,035	1/2	36,153	1/2	21,031	1/2	5,860	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,063	3/4	65,891	3/4	50,719	3/4	35,845	3/4	20,715	3/4	5,544	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/29/2013 CL - SW
CALCULATED: 01/29/2013 CL
PRINTED: 01/30/2013 SW

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 311"

3 PORT 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	194,940	0	183,009	0	171,078	0	159,087	0	144,507	0	128,941	0	113,374
1/4	1/4	1/4	1/4	1/4	1/4	1/4	205,791	1/4	194,692	1/4	182,761	1/4	170,830	1/4	158,834	1/4	144,183	1/4	128,617
1/2	1/2	1/2	1/2	1/2	1/2	1/2	205,665	1/2	194,443	1/2	182,512	1/2	170,581	1/2	158,582	1/2	143,859	1/2	128,293
3/4	3/4	3/4	3/4	3/4	3/4	3/4	205,539	3/4	194,195	3/4	182,264	3/4	170,333	3/4	158,329	3/4	143,534	3/4	127,968
1		1		1		1	205,371	1	193,946	1	182,015	1	170,084	1	158,067	1	143,210	1	127,644
1/4	1/4	1/4	1/4	1/4	1/4	1/4	205,203	1/4	193,697	1/4	181,767	1/4	169,835	1/4	157,805	1/4	142,886	1/4	127,320
1/2	1/2	1/2	1/2	1/2	1/2	1/2	205,035	1/2	193,449	1/2	181,518	1/2	169,587	1/2	157,543	1/2	142,562	1/2	126,995
3/4	3/4	3/4	3/4	3/4	3/4	3/4	204,867	3/4	193,200	3/4	181,269	3/4	169,338	3/4	157,280	3/4	142,237	3/4	126,671
2		2		2		2	204,659	2	192,952	2	181,021	2	169,088	2	157,005	2	141,913	2	126,347
1/4	1/4	1/4	1/4	1/4	1/4	1/4	204,450	1/4	192,703	1/4	180,772	1/4	168,838	1/4	156,731	1/4	141,589	1/4	126,023
1/2	1/2	1/2	1/2	1/2	1/2	1/2	204,241	1/2	192,455	1/2	180,524	1/2	168,588	1/2	156,456	1/2	141,264	1/2	125,698
3/4	3/4	3/4	3/4	3/4	3/4	3/4	204,033	3/4	192,206	3/4	180,275	3/4	168,338	3/4	156,181	3/4	140,940	3/4	125,374
3		3		3		3	203,793	3	191,958	3	180,027	3	168,088	3	155,894	3	140,616	3	125,050
1/4	1/4	1/4	1/4	1/4	1/4	1/4	203,554	1/4	191,709	1/4	179,778	1/4	167,838	1/4	155,606	1/4	140,292	1/4	124,725
1/2	1/2	1/2	1/2	1/2	1/2	1/2	203,315	1/2	191,460	1/2	179,529	1/2	167,588	1/2	155,319	1/2	139,967	1/2	124,401
3/4	3/4	3/4	3/4	3/4	3/4	3/4	203,075	3/4	191,212	3/4	179,281	3/4	167,338	3/4	155,031	3/4	139,643	3/4	124,077
4		4		4		4	202,831	4	190,963	4	179,032	4	167,088	4	154,732	4	139,319	4	123,752
1/4	1/4	1/4	1/4	1/4	1/4	1/4	202,587	1/4	190,715	1/4	178,784	1/4	166,838	1/4	154,432	1/4	138,994	1/4	123,428
1/2	1/2	1/2	1/2	1/2	1/2	1/2	202,344	1/2	190,466	1/2	178,535	1/2	166,589	1/2	154,132	1/2	138,670	1/2	123,104
3/4	3/4	3/4	3/4	3/4	3/4	3/4	202,100	3/4	190,218	3/4	178,287	3/4	166,339	3/4	153,832	3/4	138,346	3/4	122,779
5		5		5		5	201,855	5	189,969	5	178,038	5	166,089	5	153,519	5	138,022	5	122,455
1/4	1/4	1/4	1/4	1/4	1/4	1/4	201,610	1/4	189,720	1/4	177,790	1/4	165,839	1/4	153,207	1/4	137,697	1/4	122,131
1/2	1/2	1/2	1/2	1/2	1/2	1/2	201,365	1/2	189,472	1/2	177,541	1/2	165,589	1/2	152,895	1/2	137,373	1/2	121,806
3/4	3/4	3/4	3/4	3/4	3/4	3/4	201,121	3/4	189,223	3/4	177,292	3/4	165,339	3/4	152,583	3/4	137,049	3/4	121,482
6		6		6		6	200,875	6	188,975	6	177,044	6	165,089	6	152,261	6	136,724	6	121,158
1/4	1/4	1/4	1/4	1/4	1/4	1/4	200,630	1/4	188,726	1/4	176,795	1/4	164,839	1/4	151,940	1/4	136,400	1/4	120,834
1/2	1/2	1/2	1/2	1/2	1/2	1/2	200,385	1/2	188,478	1/2	176,547	1/2	164,589	1/2	151,618	1/2	136,076	1/2	120,509
3/4	3/4	3/4	3/4	3/4	3/4	3/4	200,139	3/4	188,229	3/4	176,298	3/4	164,339	3/4	151,297	3/4	135,752	3/4	120,185
7		7		7		7	199,894	7	187,981	7	176,050	7	164,089	7	150,974	7	135,427	7	119,861
1/4	1/4	1/4	1/4	1/4	1/4	1/4	199,648	1/4	187,732	1/4	175,801	1/4	163,839	1/4	150,651	1/4	135,103	1/4	119,536
1/2	1/2	1/2	1/2	1/2	1/2	1/2	199,402	1/2	187,483	1/2	175,552	1/2	163,589	1/2	150,328	1/2	134,779	1/2	119,212
3/4	3/4	3/4	3/4	3/4	3/4	3/4	199,156	3/4	187,235	3/4	175,304	3/4	163,339	3/4	150,005	3/4	134,454	3/4	118,888
8		8		8		8	198,910	8	186,986	8	175,055	8	163,090	8	149,682	8	134,130	8	118,563
1/4	1/4	1/4	1/4	1/4	1/4	1/4	198,664	1/4	186,738	1/4	174,807	1/4	162,840	1/4	149,359	1/4	133,806	1/4	118,239
1/2	1/2	1/2	1/2	1/2	1/2	1/2	198,418	1/2	186,489	1/2	174,558	1/2	162,590	1/2	149,036	1/2	133,482	1/2	117,915
3/4	3/4	3/4	3/4	3/4	3/4	3/4	198,172	3/4	186,241	3/4	174,310	3/4	162,340	3/4	148,713	3/4	133,157	3/4	117,590
9		9		9		9	197,923	9	185,992	9	174,061	9	162,090	9	148,389	9	132,833	9	117,266
1/4	1/4	1/4	1/4	1/4	1/4	1/4	197,674	1/4	185,744	1/4	173,813	1/4	161,840	1/4	148,066	1/4	132,509	1/4	116,942
1/2	1/2	1/2	1/2	1/2	1/2	1/2	197,426	1/2	185,495	1/2	173,564	1/2	161,590	1/2	147,743	1/2	132,184	1/2	116,618
3/4	3/4	3/4	3/4	3/4	3/4	3/4	197,177	3/4	185,246	3/4	173,315	3/4	161,340	3/4	147,419	3/4	131,860	3/4	116,293
10		10		10		10	196,929	10	184,998	10	173,067	10	161,090	10	147,096	10	131,536	10	115,969
1/4	1/4	1/4	1/4	1/4	1/4	1/4	196,680	1/4	184,749	1/4	172,818	1/4	160,840	1/4	146,773	1/4	131,211	1/4	115,645
1/2	1/2	1/2	1/2	1/2	1/2	1/2	196,432	1/2	184,501	1/2	172,570	1/2	160,590	1/2	146,449	1/2	130,887	1/2	115,320
3/4	3/4	3/4	3/4	3/4	3/4	3/4	196,183	3/4	184,252	3/4	172,321	3/4	160,340	3/4	146,126	3/4	130,563	3/4	114,996
11		11		11		11	195,935	11	184,004	11	172,073	11	160,090	11	145,802	11	130,239	11	114,672
1/4	1/4	1/4	1/4	1/4	1/4	1/4	195,686	1/4	183,755	1/4	171,824	1/4	159,840	1/4	145,479	1/4	129,914	1/4	114,347
1/2	1/2	1/2	1/2	1/2	1/2	1/2	195,437	1/2	183,506	1/2	171,576	1/2	159,590	1/2	145,155	1/2	129,590	1/2	114,023
3/4	3/4	3/4	3/4	3/4	3/4	3/4	195,189	3/4	183,258	3/4	171,327	3/4	159,340	3/4	144,831	3/4	129,266	3/4	113,699

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'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 311"

3 PORT 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	97,839	0	82,280	0	66,701	0	51,165	0	35,947	0	20,350	0	4,731	0		0		0	
1/4	97,515	1/4	81,955	1/4	66,376	1/4	50,848	1/4	35,623	1/4	20,025	1/4	4,407	1/4	1/4	1/4	1/4	1/4	1/4
1/2	97,192	1/2	81,630	1/2	66,052	1/2	50,531	1/2	35,299	1/2	19,699	1/2	4,082	1/2	1/2	1/2	1/2	1/2	1/2
3/4	96,868	3/4	81,306	3/4	65,727	3/4	50,215	3/4	34,974	3/4	19,374	3/4	3,757	3/4	3/4	3/4	3/4	3/4	3/4
1	96,545	1	80,981	1	65,403	1	49,898	1	34,650	1	19,049	1	3,438	1	1	1	1	1	1
1/4	96,221	1/4	80,657	1/4	65,078	1/4	49,582	1/4	34,325	1/4	18,723	1/4	3,119	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,898	1/2	80,332	1/2	64,753	1/2	49,265	1/2	34,001	1/2	18,398	1/2	2,800	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,574	3/4	80,007	3/4	64,429	3/4	48,949	3/4	33,677	3/4	18,072	3/4	2,481	3/4	3/4	3/4	3/4	3/4	3/4
2	95,251	2	79,683	2	64,104	2	48,633	2	33,352	2	17,747	2	2,206	2	2	2	2	2	2
1/4	94,928	1/4	79,358	1/4	63,780	1/4	48,316	1/4	33,028	1/4	17,422	1/4	1,932	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,604	1/2	79,034	1/2	63,455	1/2	48,000	1/2	32,703	1/2	17,096	1/2	1,657	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,281	3/4	78,709	3/4	63,131	3/4	47,684	3/4	32,379	3/4	16,771	3/4	1,383	3/4	3/4	3/4	3/4	3/4	3/4
3	93,957	3	78,385	3	62,806	3	47,368	3	32,055	3	16,445	3	1,190	3	3	3	3	3	3
1/4	93,634	1/4	78,060	1/4	62,481	1/4	47,052	1/4	31,730	1/4	16,120	1/4	997	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,310	1/2	77,735	1/2	62,157	1/2	46,736	1/2	31,406	1/2	15,794	1/2	803	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,987	3/4	77,411	3/4	61,832	3/4	46,420	3/4	31,081	3/4	15,469	3/4	610	3/4	3/4	3/4	3/4	3/4	3/4
4	92,663	4	77,086	4	61,508	4	46,104	4	30,757	4	15,144	4		4	4	4	4	4	4
1/4	92,339	1/4	76,762	1/4	61,183	1/4	45,788	1/4	30,433	1/4	14,818	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,016	1/2	76,437	1/2	60,859	1/2	45,472	1/2	30,108	1/2	14,493	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,692	3/4	76,113	3/4	60,534	3/4	45,156	3/4	29,784	3/4	14,167	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	91,368	5	75,788	5	60,209	5	44,840	5	29,459	5	13,842	5	5	5	5	5	5	5	5
1/4	91,043	1/4	75,463	1/4	59,885	1/4	44,524	1/4	29,135	1/4	13,517	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,719	1/2	75,139	1/2	59,560	1/2	44,208	1/2	28,810	1/2	13,191	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,394	3/4	74,814	3/4	59,236	3/4	43,892	3/4	28,486	3/4	12,866	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	90,069	6	74,490	6	58,911	6	43,576	6	28,160	6	12,540	6	6	6	6	6	6	6	6
1/4	89,745	1/4	74,165	1/4	58,586	1/4	43,260	1/4	27,835	1/4	12,215	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,420	1/2	73,840	1/2	58,262	1/2	42,944	1/2	27,509	1/2	11,889	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,096	3/4	73,516	3/4	57,937	3/4	42,628	3/4	27,184	3/4	11,564	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	88,771	7	73,191	7	57,613	7	42,312	7	26,859	7	11,239	7	7	7	7	7	7	7	7
1/4	88,446	1/4	72,867	1/4	57,288	1/4	41,996	1/4	26,533	1/4	10,913	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,122	1/2	72,542	1/2	56,964	1/2	41,680	1/2	26,208	1/2	10,588	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,797	3/4	72,218	3/4	56,639	3/4	41,364	3/4	25,882	3/4	10,262	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	87,473	8	71,893	8	56,314	8	41,048	8	25,557	8	9,937	8	8	8	8	8	8	8	8
1/4	87,148	1/4	71,568	1/4	55,990	1/4	40,732	1/4	25,231	1/4	9,612	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,824	1/2	71,244	1/2	55,665	1/2	40,416	1/2	24,906	1/2	9,286	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,499	3/4	70,919	3/4	55,341	3/4	40,100	3/4	24,581	3/4	8,961	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	86,174	9	70,595	9	55,016	9	39,784	9	24,255	9	8,635	9	9	9	9	9	9	9	9
1/4	85,850	1/4	70,270	1/4	54,692	1/4	39,468	1/4	23,930	1/4	8,310	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,525	1/2	69,946	1/2	54,367	1/2	39,152	1/2	23,604	1/2	7,984	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,201	3/4	69,621	3/4	54,042	3/4	38,836	3/4	23,279	3/4	7,659	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	84,876	10	69,296	10	53,719	10	38,520	10	22,954	10	7,334	10	10	10	10	10	10	10	10
1/4	84,552	1/4	68,972	1/4	53,395	1/4	38,203	1/4	22,628	1/4	7,008	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,227	1/2	68,647	1/2	53,072	1/2	37,886	1/2	22,303	1/2	6,683	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,902	3/4	68,323	3/4	52,748	3/4	37,569	3/4	21,977	3/4	6,357	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	83,578	11	67,998	11	52,431	11	37,245	11	21,652	11	6,032	11	11	11	11	11	11	11	11
1/4	83,253	1/4	67,674	1/4	52,115	1/4	36,921	1/4	21,326	1/4	5,707	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,929	1/2	67,349	1/2	51,798	1/2	36,596	1/2	21,001	1/2	5,381	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,604	3/4	67,025	3/4	51,481	3/4	36,272	3/4	20,676	3/4	5,056	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/29/2013 CL - SW
CALCULATED: 01/29/2013 CL
PRINTED: 01/30/2013 SW

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 311"

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		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	194,524	0	182,599	0	170,674	0	158,688	0	144,115	0	128,556	0	112,997
1/4	1/4	1/4	205,370	1/4	194,276	1/4	182,351	1/4	170,425	1/4	158,435	1/4	143,791	1/4	128,232	1/4	112,672		
1/2	1/2	1/2	205,244	1/2	194,027	1/2	182,102	1/2	170,177	1/2	158,183	1/2	143,466	1/2	127,908	1/2	112,348		
3/4	3/4	3/4	205,118	3/4	193,779	3/4	181,854	3/4	169,928	3/4	157,930	3/4	143,142	3/4	127,584	3/4	112,024		
1		1		1	204,950	1	193,531	1	181,605	1	169,680	1	157,668	1	142,818	1	127,259	1	111,700
1/4	1/4	1/4	204,782	1/4	193,282	1/4	181,357	1/4	169,431	1/4	157,406	1/4	142,494	1/4	126,935	1/4	111,376		
1/2	1/2	1/2	204,614	1/2	193,034	1/2	181,108	1/2	169,182	1/2	157,144	1/2	142,170	1/2	126,611	1/2	111,052		
3/4	3/4	3/4	204,447	3/4	192,785	3/4	180,860	3/4	168,934	3/4	156,882	3/4	141,846	3/4	126,287	3/4	110,729		
2		2		2	204,238	2	192,537	2	180,611	2	168,684	2	156,607	2	141,522	2	125,963	2	110,405
1/4	1/4	1/4	204,030	1/4	192,288	1/4	180,363	1/4	168,434	1/4	156,333	1/4	141,198	1/4	125,639	1/4	110,081		
1/2	1/2	1/2	203,821	1/2	192,040	1/2	180,114	1/2	168,184	1/2	156,058	1/2	140,873	1/2	125,315	1/2	109,757		
3/4	3/4	3/4	203,613	3/4	191,791	3/4	179,866	3/4	167,934	3/4	155,783	3/4	140,549	3/4	124,990	3/4	109,433		
3		3		3	203,373	3	191,543	3	179,618	3	167,685	3	155,496	3	140,225	3	124,666	3	109,109
1/4	1/4	1/4	203,134	1/4	191,295	1/4	179,369	1/4	167,435	1/4	155,209	1/4	139,901	1/4	124,342	1/4	108,785		
1/2	1/2	1/2	202,895	1/2	191,046	1/2	179,121	1/2	167,185	1/2	154,921	1/2	139,577	1/2	124,018	1/2	108,461		
3/4	3/4	3/4	202,655	3/4	190,798	3/4	178,872	3/4	166,935	3/4	154,634	3/4	139,253	3/4	123,694	3/4	108,137		
4		4		4	202,412	4	190,549	4	178,624	4	166,685	4	154,334	4	138,929	4	123,370	4	107,814
1/4	1/4	1/4	202,168	1/4	190,301	1/4	178,375	1/4	166,436	1/4	154,034	1/4	138,605	1/4	123,045	1/4	107,490		
1/2	1/2	1/2	201,924	1/2	190,052	1/2	178,127	1/2	166,186	1/2	153,735	1/2	138,280	1/2	122,721	1/2	107,166		
3/4	3/4	3/4	201,680	3/4	189,804	3/4	177,878	3/4	165,936	3/4	153,435	3/4	137,956	3/4	122,397	3/4	106,842		
5		5		5	201,436	5	189,555	5	177,630	5	165,686	5	153,123	5	137,632	5	122,073	5	106,519
1/4	1/4	1/4	201,191	1/4	189,307	1/4	177,382	1/4	165,436	1/4	152,811	1/4	137,308	1/4	121,749	1/4	106,196		
1/2	1/2	1/2	200,946	1/2	189,059	1/2	177,133	1/2	165,187	1/2	152,498	1/2	136,984	1/2	121,425	1/2	105,873		
3/4	3/4	3/4	200,702	3/4	188,810	3/4	176,885	3/4	164,937	3/4	152,186	3/4	136,660	3/4	121,100	3/4	105,550		
6		6		6	200,457	6	188,562	6	176,636	6	164,687	6	151,865	6	136,336	6	120,776	6	105,227
1/4	1/4	1/4	200,211	1/4	188,313	1/4	176,388	1/4	164,437	1/4	151,544	1/4	136,012	1/4	120,452	1/4	104,904		
1/2	1/2	1/2	199,966	1/2	188,065	1/2	176,139	1/2	164,187	1/2	151,222	1/2	135,687	1/2	120,128	1/2	104,581		
3/4	3/4	3/4	199,721	3/4	187,816	3/4	175,891	3/4	163,937	3/4	150,901	3/4	135,363	3/4	119,804	3/4	104,258		
7		7		7	199,475	7	187,568	7	175,642	7	163,688	7	150,578	7	135,039	7	119,480	7	103,935
1/4	1/4	1/4	199,230	1/4	187,319	1/4	175,394	1/4	163,438	1/4	150,256	1/4	134,715	1/4	119,155	1/4	103,611		
1/2	1/2	1/2	198,984	1/2	187,071	1/2	175,146	1/2	163,188	1/2	149,933	1/2	134,391	1/2	118,831	1/2	103,288		
3/4	3/4	3/4	198,738	3/4	186,823	3/4	174,897	3/4	162,938	3/4	149,610	3/4	134,067	3/4	118,507	3/4	102,965		
8		8		8	198,492	8	186,574	8	174,649	8	162,688	8	149,287	8	133,743	8	118,183	8	102,641
1/4	1/4	1/4	198,246	1/4	186,326	1/4	174,400	1/4	162,439	1/4	148,964	1/4	133,418	1/4	117,859	1/4	102,318		
1/2	1/2	1/2	198,000	1/2	186,077	1/2	174,152	1/2	162,189	1/2	148,641	1/2	133,094	1/2	117,535	1/2	101,995		
3/4	3/4	3/4	197,754	3/4	185,829	3/4	173,903	3/4	161,939	3/4	148,318	3/4	132,770	3/4	117,211	3/4	101,671		
9		9		9	197,506	9	185,580	9	173,655	9	161,689	9	147,995	9	132,446	9	116,886	9	101,348
1/4	1/4	1/4	197,257	1/4	185,332	1/4	173,406	1/4	161,439	1/4	147,672	1/4	132,122	1/4	116,562	1/4	101,025		
1/2	1/2	1/2	197,009	1/2	185,083	1/2	173,158	1/2	161,190	1/2	147,349	1/2	131,798	1/2	116,238	1/2	100,701		
3/4	3/4	3/4	196,760	3/4	184,835	3/4	172,910	3/4	160,940	3/4	147,026	3/4	131,474	3/4	115,914	3/4	100,378		
10		10		10	196,512	10	184,587	10	172,661	10	160,690	10	146,702	10	131,149	10	115,590	10	100,055
1/4	1/4	1/4	196,263	1/4	184,338	1/4	172,413	1/4	160,440	1/4	146,379	1/4	130,825	1/4	115,266	1/4	99,731		
1/2	1/2	1/2	196,015	1/2	184,090	1/2	172,164	1/2	160,190	1/2	146,056	1/2	130,501	1/2	114,941	1/2	99,408		
3/4	3/4	3/4	195,767	3/4	183,841	3/4	171,916	3/4	159,940	3/4	145,733	3/4	130,177	3/4	114,617	3/4	99,085		
11		11		11	195,518	11	183,593	11	171,667	11	159,690	11	145,409	11	129,853	11	114,293	11	98,761
1/4	1/4	1/4	195,270	1/4	183,344	1/4	171,419	1/4	159,440	1/4	145,086	1/4	129,529	1/4	113,969	1/4	98,438		
1/2	1/2	1/2	195,021	1/2	183,096	1/2	171,170	1/2	159,190	1/2	144,762	1/2	129,204	1/2	113,645	1/2	98,115		
3/4	3/4	3/4	194,773	3/4	182,847	3/4	170,922	3/4	158,940	3/4	144,439	3/4	128,880	3/4	113,321	3/4	97,791		

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'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "CBC 311"

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	97,468	0	81,916	0	66,344	0	50,849	0	35,931	0	20,341	0	4,730	0		0		0	
1/4	97,145	1/4	81,592	1/4	66,020	1/4	50,539	1/4	35,607	1/4	20,016	1/4	4,405	1/4	1/4	1/4		1/4	1/4
1/2	96,821	1/2	81,267	1/2	65,696	1/2	50,229	1/2	35,283	1/2	19,691	1/2	4,080	1/2	1/2	1/2		1/2	1/2
3/4	96,498	3/4	80,943	3/4	65,371	3/4	49,918	3/4	34,958	3/4	19,365	3/4	3,756	3/4	3/4	3/4		3/4	3/4
1	96,175	1	80,618	1	65,047	1	49,608	1	34,634	1	19,040	1	3,437	1	1	1		1	1
1/4	95,851	1/4	80,294	1/4	64,723	1/4	49,298	1/4	34,310	1/4	18,715	1/4	3,118	1/4	1/4	1/4		1/4	1/4
1/2	95,528	1/2	79,969	1/2	64,398	1/2	48,988	1/2	33,986	1/2	18,390	1/2	2,799	1/2	1/2	1/2		1/2	1/2
3/4	95,205	3/4	79,645	3/4	64,074	3/4	48,678	3/4	33,661	3/4	18,064	3/4	2,480	3/4	3/4	3/4		3/4	3/4
2	94,882	2	79,321	2	63,749	2	48,369	2	33,337	2	17,739	2	2,206	2	2	2		2	2
1/4	94,558	1/4	78,996	1/4	63,425	1/4	48,060	1/4	33,013	1/4	17,414	1/4	1,932	1/4	1/4	1/4		1/4	1/4
1/2	94,235	1/2	78,672	1/2	63,100	1/2	47,750	1/2	32,689	1/2	17,089	1/2	1,657	1/2	1/2	1/2		1/2	1/2
3/4	93,912	3/4	78,347	3/4	62,776	3/4	47,441	3/4	32,364	3/4	16,763	3/4	1,383	3/4	3/4	3/4		3/4	3/4
3	93,588	3	78,023	3	62,452	3	47,132	3	32,040	3	16,438	3	1,190	3	3	3		3	3
1/4	93,265	1/4	77,699	1/4	62,127	1/4	46,823	1/4	31,716	1/4	16,113	1/4	997	1/4	1/4	1/4		1/4	1/4
1/2	92,942	1/2	77,374	1/2	61,803	1/2	46,514	1/2	31,392	1/2	15,788	1/2	803	1/2	1/2	1/2		1/2	1/2
3/4	92,618	3/4	77,050	3/4	61,478	3/4	46,205	3/4	31,067	3/4	15,462	3/4	610	3/4	3/4	3/4		3/4	3/4
4	92,295	4	76,725	4	61,154	4	45,896	4	30,743	4	15,137	4		4	4	4		4	4
1/4	91,971	1/4	76,401	1/4	60,829	1/4	45,587	1/4	30,419	1/4	14,812	1/4		1/4	1/4	1/4		1/4	1/4
1/2	91,648	1/2	76,076	1/2	60,505	1/2	45,279	1/2	30,095	1/2	14,486	1/2		1/2	1/2	1/2		1/2	1/2
3/4	91,324	3/4	75,752	3/4	60,181	3/4	44,970	3/4	29,770	3/4	14,161	3/4		3/4	3/4	3/4		3/4	3/4
5	91,000	5	75,428	5	59,856	5	44,661	5	29,446	5	13,836	5		5	5	5		5	5
1/4	90,676	1/4	75,103	1/4	59,532	1/4	44,352	1/4	29,122	1/4	13,511	1/4		1/4	1/4	1/4		1/4	1/4
1/2	90,351	1/2	74,779	1/2	59,207	1/2	44,043	1/2	28,797	1/2	13,185	1/2		1/2	1/2	1/2		1/2	1/2
3/4	90,027	3/4	74,454	3/4	58,883	3/4	43,734	3/4	28,473	3/4	12,860	3/4		3/4	3/4	3/4		3/4	3/4
6	89,702	6	74,130	6	58,558	6	43,425	6	28,148	6	12,535	6		6	6	6		6	6
1/4	89,378	1/4	73,805	1/4	58,234	1/4	43,116	1/4	27,822	1/4	12,210	1/4		1/4	1/4	1/4		1/4	1/4
1/2	89,053	1/2	73,481	1/2	57,910	1/2	42,807	1/2	27,497	1/2	11,884	1/2		1/2	1/2	1/2		1/2	1/2
3/4	88,729	3/4	73,157	3/4	57,585	3/4	42,498	3/4	27,172	3/4	11,559	3/4		3/4	3/4	3/4		3/4	3/4
7	88,405	7	72,832	7	57,261	7	42,189	7	26,847	7	11,234	7		7	7	7		7	7
1/4	88,080	1/4	72,508	1/4	56,936	1/4	41,880	1/4	26,521	1/4	10,909	1/4		1/4	1/4	1/4		1/4	1/4
1/2	87,756	1/2	72,183	1/2	56,612	1/2	41,571	1/2	26,196	1/2	10,583	1/2		1/2	1/2	1/2		1/2	1/2
3/4	87,431	3/4	71,859	3/4	56,288	3/4	41,263	3/4	25,871	3/4	10,258	3/4		3/4	3/4	3/4		3/4	3/4
8	87,107	8	71,534	8	55,963	8	40,954	8	25,545	8	9,933	8		8	8	8		8	8
1/4	86,782	1/4	71,210	1/4	55,639	1/4	40,645	1/4	25,220	1/4	9,608	1/4		1/4	1/4	1/4		1/4	1/4
1/2	86,458	1/2	70,886	1/2	55,314	1/2	40,336	1/2	24,895	1/2	9,282	1/2		1/2	1/2	1/2		1/2	1/2
3/4	86,134	3/4	70,561	3/4	54,990	3/4	40,027	3/4	24,570	3/4	8,957	3/4		3/4	3/4	3/4		3/4	3/4
9	85,809	9	70,237	9	54,665	9	39,718	9	24,244	9	8,632	9		9	9	9		9	9
1/4	85,485	1/4	69,912	1/4	54,341	1/4	39,409	1/4	23,919	1/4	8,306	1/4		1/4	1/4	1/4		1/4	1/4
1/2	85,160	1/2	69,588	1/2	54,017	1/2	39,100	1/2	23,594	1/2	7,981	1/2		1/2	1/2	1/2		1/2	1/2
3/4	84,836	3/4	69,263	3/4	53,692	3/4	38,791	3/4	23,269	3/4	7,656	3/4		3/4	3/4	3/4		3/4	3/4
10	84,511	10	68,939	10	53,369	10	38,481	10	22,943	10	7,331	10		10	10	10		10	10
1/4	84,187	1/4	68,615	1/4	53,047	1/4	38,171	1/4	22,618	1/4	7,005	1/4		1/4	1/4	1/4		1/4	1/4
1/2	83,863	1/2	68,290	1/2	52,724	1/2	37,860	1/2	22,293	1/2	6,680	1/2		1/2	1/2	1/2		1/2	1/2
3/4	83,538	3/4	67,966	3/4	52,401	3/4	37,550	3/4	21,968	3/4	6,355	3/4		3/4	3/4	3/4		3/4	3/4
11	83,214	11	67,642	11	52,091	11	37,226	11	21,642	11	6,030	11		11	11	11		11	11
1/4	82,889	1/4	67,317	1/4	51,781	1/4	36,903	1/4	21,317	1/4	5,705	1/4		1/4	1/4	1/4		1/4	1/4
1/2	82,565	1/2	66,993	1/2	51,470	1/2	36,579	1/2	20,992	1/2	5,379	1/2		1/2	1/2	1/2		1/2	1/2
3/4	82,240	3/4	66,669	3/4	51,160	3/4	36,255	3/4	20,667	3/4	5,054	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/29/2013 CL - SW
CALCULATED: 01/29/2013 CL
PRINTED: 01/30/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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