



BARGE "CBC 313"

INNAGE TRIM TABLE

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

(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 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 238'-03"

February 18, 2013

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 313"

1 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	584	0	13,211	0	28,367	0	43,963	0	59,636	0	75,324	0	91,012	0	106,700	0	122,388	0	138,075
1/4	718	1/4	13,512	1/4	28,693	1/4	44,288	1/4	59,963	1/4	75,651	1/4	91,339	1/4	107,027	1/4	122,715	1/4	138,402
1/2	853	1/2	13,812	1/2	29,020	1/2	44,612	1/2	60,290	1/2	75,978	1/2	91,666	1/2	107,354	1/2	123,042	1/2	138,728
3/4	987	3/4	14,113	3/4	29,347	3/4	44,936	3/4	60,617	3/4	76,305	3/4	91,993	3/4	107,681	3/4	123,369	3/4	139,055
1	1,122	1	14,413	1	29,674	1	45,260	1	60,943	1	76,632	1	92,320	1	108,008	1	123,696	1	139,382
1/4	1,334	1/4	14,717	1/4	30,001	1/4	45,586	1/4	61,270	1/4	76,958	1/4	92,646	1/4	108,334	1/4	124,022	1/4	139,709
1/2	1,546	1/2	15,021	1/2	30,327	1/2	45,912	1/2	61,597	1/2	77,285	1/2	92,973	1/2	108,661	1/2	124,349	1/2	140,035
3/4	1,758	3/4	15,325	3/4	30,654	3/4	46,238	3/4	61,924	3/4	77,612	3/4	93,300	3/4	108,988	3/4	124,676	3/4	140,362
2	1,970	2	15,629	2	30,981	2	46,564	2	62,251	2	77,939	2	93,627	2	109,315	2	125,003	2	140,689
1/4	2,230	1/4	15,936	1/4	31,308	1/4	46,891	1/4	62,578	1/4	78,266	1/4	93,954	1/4	109,642	1/4	125,330	1/4	141,016
1/2	2,490	1/2	16,243	1/2	31,635	1/2	47,217	1/2	62,904	1/2	78,593	1/2	94,281	1/2	109,969	1/2	125,657	1/2	141,342
3/4	2,750	3/4	16,551	3/4	31,962	3/4	47,544	3/4	63,231	3/4	78,919	3/4	94,607	3/4	110,295	3/4	125,983	3/4	141,669
3	3,010	3	16,858	3	32,288	3	47,870	3	63,558	3	79,246	3	94,934	3	110,622	3	126,310	3	141,996
1/4	3,279	1/4	17,168	1/4	32,613	1/4	48,197	1/4	63,885	1/4	79,573	1/4	95,261	1/4	110,949	1/4	126,637	1/4	142,323
1/2	3,548	1/2	17,479	1/2	32,939	1/2	48,524	1/2	64,212	1/2	79,900	1/2	95,588	1/2	111,276	1/2	126,964	1/2	142,649
3/4	3,817	3/4	17,790	3/4	33,264	3/4	48,851	3/4	64,539	3/4	80,227	3/4	95,915	3/4	111,603	3/4	127,291	3/4	142,976
4	4,087	4	18,100	4	33,589	4	49,177	4	64,865	4	80,554	4	96,242	4	111,930	4	127,618	4	143,303
1/4	4,360	1/4	18,415	1/4	33,914	1/4	49,504	1/4	65,192	1/4	80,880	1/4	96,568	1/4	112,256	1/4	127,944	1/4	143,630
1/2	4,633	1/2	18,729	1/2	34,238	1/2	49,831	1/2	65,519	1/2	81,207	1/2	96,895	1/2	112,583	1/2	128,271	1/2	143,956
3/4	4,906	3/4	19,043	3/4	34,563	3/4	50,158	3/4	65,846	3/4	81,534	3/4	97,222	3/4	112,910	3/4	128,598	3/4	144,283
5	5,179	5	19,357	5	34,888	5	50,485	5	66,173	5	81,861	5	97,549	5	113,237	5	128,925	5	144,610
1/4	5,456	1/4	19,674	1/4	35,212	1/4	50,812	1/4	66,500	1/4	82,188	1/4	97,876	1/4	113,564	1/4	129,252	1/4	144,937
1/2	5,733	1/2	19,992	1/2	35,536	1/2	51,138	1/2	66,826	1/2	82,515	1/2	98,203	1/2	113,891	1/2	129,579	1/2	145,263
3/4	6,009	3/4	20,309	3/4	35,861	3/4	51,465	3/4	67,153	3/4	82,841	3/4	98,529	3/4	114,217	3/4	129,905	3/4	145,590
6	6,286	6	20,627	6	36,185	6	51,792	6	67,480	6	83,168	6	98,856	6	114,544	6	130,232	6	145,917
1/4	6,566	1/4	20,948	1/4	36,509	1/4	52,119	1/4	67,807	1/4	83,495	1/4	99,183	1/4	114,871	1/4	130,559	1/4	146,244
1/2	6,846	1/2	21,268	1/2	36,833	1/2	52,446	1/2	68,134	1/2	83,822	1/2	99,510	1/2	115,198	1/2	130,886	1/2	146,570
3/4	7,126	3/4	21,589	3/4	37,157	3/4	52,773	3/4	68,461	3/4	84,149	3/4	99,837	3/4	115,525	3/4	131,213	3/4	146,897
7	7,406	7	21,910	7	37,481	7	53,099	7	68,787	7	84,476	7	100,164	7	115,852	7	131,540	7	147,224
1/4	7,690	1/4	22,227	1/4	37,805	1/4	53,426	1/4	69,114	1/4	84,802	1/4	100,490	1/4	116,178	1/4	131,866	1/4	147,551
1/2	7,973	1/2	22,544	1/2	38,129	1/2	53,753	1/2	69,441	1/2	85,129	1/2	100,817	1/2	116,505	1/2	132,193	1/2	147,877
3/4	8,257	3/4	22,860	3/4	38,454	3/4	54,080	3/4	69,768	3/4	85,456	3/4	101,144	3/4	116,832	3/4	132,520	3/4	148,204
8	8,540	8	23,177	8	38,778	8	54,407	8	70,095	8	85,783	8	101,471	8	117,159	8	132,847	8	148,531
1/4	8,827	1/4	23,495	1/4	39,102	1/4	54,734	1/4	70,422	1/4	86,110	1/4	101,798	1/4	117,486	1/4	133,173	1/4	148,858
1/2	9,114	1/2	23,813	1/2	39,426	1/2	55,060	1/2	70,748	1/2	86,437	1/2	102,125	1/2	117,813	1/2	133,500	1/2	149,184
3/4	9,401	3/4	24,131	3/4	39,750	3/4	55,387	3/4	71,075	3/4	86,763	3/4	102,451	3/4	118,139	3/4	133,827	3/4	149,511
9	9,687	9	24,449	9	40,074	9	55,714	9	71,402	9	87,090	9	102,778	9	118,466	9	134,154	9	149,838
1/4	9,978	1/4	24,775	1/4	40,398	1/4	56,041	1/4	71,729	1/4	87,417	1/4	103,105	1/4	118,793	1/4	134,480	1/4	150,165
1/2	10,268	1/2	25,100	1/2	40,722	1/2	56,368	1/2	72,056	1/2	87,744	1/2	103,432	1/2	119,120	1/2	134,807	1/2	150,492
3/4	10,558	3/4	25,426	3/4	41,046	3/4	56,695	3/4	72,383	3/4	88,071	3/4	103,759	3/4	119,447	3/4	135,134	3/4	150,818
10	10,848	10	25,752	10	41,371	10	57,021	10	72,709	10	88,398	10	104,086	10	119,774	10	135,461	10	151,145
1/4	11,142	1/4	26,079	1/4	41,695	1/4	57,348	1/4	73,036	1/4	88,724	1/4	104,412	1/4	120,100	1/4	135,787	1/4	151,472
1/2	11,436	1/2	26,406	1/2	42,019	1/2	57,675	1/2	73,363	1/2	89,051	1/2	104,739	1/2	120,427	1/2	136,114	1/2	151,799
3/4	11,729	3/4	26,732	3/4	42,343	3/4	58,002	3/4	73,690	3/4	89,378	3/4	105,066	3/4	120,754	3/4	136,441	3/4	152,125
11	12,023	11	27,059	11	42,667	11	58,329	11	74,017	11	89,705	11	105,393	11	121,081	11	136,768	11	152,452
1/4	12,320	1/4	27,386	1/4	42,991	1/4	58,656	1/4	74,344	1/4	90,032	1/4	105,720	1/4	121,408	1/4	137,095	1/4	152,779
1/2	12,617	1/2	27,713	1/2	43,315	1/2	58,982	1/2	74,670	1/2	90,359	1/2	106,047	1/2	121,735	1/2	137,421	1/2	153,106
3/4	12,914	3/4	28,040	3/4	43,639	3/4	59,309	3/4	74,997	3/4	90,685	3/4	106,373	3/4	122,061	3/4	137,748	3/4	153,432

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.

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BARGE "CBC 313"

1 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	153,759	0	169,443	0	185,056	0	200,653	0	216,162	0		0		0		0		0	
1/4	154,086	1/4	169,770	1/4	185,381	1/4	200,977	1/4	216,475	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,413	1/2	170,097	1/2	185,706	1/2	201,302	1/2	216,788	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,739	3/4	170,424	3/4	186,030	3/4	201,627	3/4	217,101	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	155,066	1	170,750	1	186,355	1	201,952	1	217,414	1	1	1	1	1	1	1	1	1	1
1/4	155,393	1/4	171,077	1/4	186,680	1/4	202,277	1/4	217,686	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,720	1/2	171,404	1/2	187,005	1/2	202,602	1/2	217,959	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,046	3/4	171,731	3/4	187,330	3/4	202,927	3/4	218,232	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	156,373	2	172,057	2	187,655	2	203,252	2	218,505	2	2	2	2	2	2	2	2	2	2
1/4	156,700	1/4	172,383	1/4	187,980	1/4	203,577	1/4	218,724	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,027	1/2	172,708	1/2	188,305	1/2	203,902	1/2	218,943	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,353	3/4	173,033	3/4	188,630	3/4	204,227	3/4	219,163	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	157,680	3	173,358	3	188,955	3	204,552	3	219,382	3	3	3	3	3	3	3	3	3	3
1/4	158,007	1/4	173,683	1/4	189,280	1/4	204,877	1/4	219,547	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,334	1/2	174,008	1/2	189,605	1/2	205,202	1/2	219,712	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,660	3/4	174,333	3/4	189,930	3/4	205,527	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	158,987	4	174,658	4	190,255	4	205,851	4		4	4	4	4	4	4	4	4	4	4
1/4	159,314	1/4	174,983	1/4	190,580	1/4	206,176	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,641	1/2	175,308	1/2	190,904	1/2	206,501	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,967	3/4	175,633	3/4	191,229	3/4	206,826	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	160,294	5	175,958	5	191,554	5	207,151	5		5	5	5	5	5	5	5	5	5	5
1/4	160,621	1/4	176,282	1/4	191,879	1/4	207,476	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,948	1/2	176,607	1/2	192,204	1/2	207,801	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,274	3/4	176,932	3/4	192,529	3/4	208,126	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	161,601	6	177,257	6	192,854	6	208,451	6		6	6	6	6	6	6	6	6	6	6
1/4	161,928	1/4	177,582	1/4	193,179	1/4	208,776	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,255	1/2	177,907	1/2	193,504	1/2	209,101	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,581	3/4	178,232	3/4	193,829	3/4	209,426	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	162,908	7	178,557	7	194,154	7	209,751	7		7	7	7	7	7	7	7	7	7	7
1/4	163,235	1/4	178,882	1/4	194,479	1/4	210,072	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,562	1/2	179,207	1/2	194,804	1/2	210,394	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,889	3/4	179,532	3/4	195,129	3/4	210,716	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	164,215	8	179,857	8	195,454	8	211,038	8		8	8	8	8	8	8	8	8	8	8
1/4	164,542	1/4	180,182	1/4	195,779	1/4	211,359	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,869	1/2	180,507	1/2	196,103	1/2	211,681	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,196	3/4	180,832	3/4	196,428	3/4	212,002	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	165,522	9	181,156	9	196,753	9	212,323	9		9	9	9	9	9	9	9	9	9	9
1/4	165,849	1/4	181,481	1/4	197,078	1/4	212,644	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,176	1/2	181,806	1/2	197,403	1/2	212,965	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,503	3/4	182,131	3/4	197,728	3/4	213,285	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	166,829	10	182,456	10	198,053	10	213,606	10		10	10	10	10	10	10	10	10	10	10
1/4	167,156	1/4	182,781	1/4	198,378	1/4	213,926	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	167,483	1/2	183,106	1/2	198,703	1/2	214,246	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	167,810	3/4	183,431	3/4	199,028	3/4	214,566	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	168,136	11	183,756	11	199,353	11	214,886	11		11	11	11	11	11	11	11	11	11	11
1/4	168,463	1/4	184,081	1/4	199,678	1/4	215,205	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	168,790	1/2	184,406	1/2	200,003	1/2	215,524	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	169,117	3/4	184,731	3/4	200,328	3/4	215,843	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: 02/18/2013 CL
CALCULATED: 02/19/2013 CL
PRINTED: 02/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 313"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	584	0	13,221	0	28,386	0	44,047	0	59,740	0	75,439	0	91,138	0	106,837	0	122,536	0	138,234
1/4	719	1/4	13,521	1/4	28,713	1/4	44,373	1/4	60,067	1/4	75,766	1/4	91,465	1/4	107,164	1/4	122,863	1/4	138,561
1/2	853	1/2	13,822	1/2	29,041	1/2	44,699	1/2	60,394	1/2	76,093	1/2	91,792	1/2	107,491	1/2	123,191	1/2	138,888
3/4	988	3/4	14,123	3/4	29,368	3/4	45,026	3/4	60,721	3/4	76,420	3/4	92,119	3/4	107,818	3/4	123,518	3/4	139,215
1	1,123	1	14,423	1	29,695	1	45,352	1	61,048	1	76,747	1	92,446	1	108,145	1	123,845	1	139,542
1/4	1,335	1/4	14,727	1/4	30,021	1/4	45,679	1/4	61,375	1/4	77,074	1/4	92,773	1/4	108,473	1/4	124,172	1/4	139,869
1/2	1,547	1/2	15,031	1/2	30,348	1/2	46,005	1/2	61,702	1/2	77,401	1/2	93,100	1/2	108,800	1/2	124,499	1/2	140,196
3/4	1,759	3/4	15,336	3/4	30,675	3/4	46,332	3/4	62,029	3/4	77,728	3/4	93,427	3/4	109,127	3/4	124,826	3/4	140,523
2	1,971	2	15,640	2	31,001	2	46,659	2	62,356	2	78,055	2	93,755	2	109,454	2	125,153	2	140,850
1/4	2,231	1/4	15,947	1/4	31,328	1/4	46,985	1/4	62,683	1/4	78,382	1/4	94,082	1/4	109,781	1/4	125,480	1/4	141,177
1/2	2,491	1/2	16,255	1/2	31,654	1/2	47,312	1/2	63,010	1/2	78,709	1/2	94,409	1/2	110,108	1/2	125,807	1/2	141,504
3/4	2,752	3/4	16,562	3/4	31,981	3/4	47,639	3/4	63,337	3/4	79,037	3/4	94,736	3/4	110,435	3/4	126,134	3/4	141,831
3	3,012	3	16,870	3	32,308	3	47,965	3	63,664	3	79,364	3	95,063	3	110,762	3	126,461	3	142,158
1/4	3,281	1/4	17,180	1/4	32,634	1/4	48,292	1/4	63,991	1/4	79,691	1/4	95,390	1/4	111,089	1/4	126,788	1/4	142,485
1/2	3,551	1/2	17,491	1/2	32,961	1/2	48,619	1/2	64,318	1/2	80,018	1/2	95,717	1/2	111,416	1/2	127,115	1/2	142,812
3/4	3,820	3/4	17,802	3/4	33,287	3/4	48,946	3/4	64,646	3/4	80,345	3/4	96,044	3/4	111,743	3/4	127,442	3/4	143,139
4	4,090	4	18,113	4	33,614	4	49,273	4	64,973	4	80,672	4	96,371	4	112,070	4	127,769	4	143,466
1/4	4,363	1/4	18,427	1/4	33,940	1/4	49,600	1/4	65,300	1/4	80,999	1/4	96,698	1/4	112,397	1/4	128,097	1/4	143,793
1/2	4,636	1/2	18,742	1/2	34,267	1/2	49,928	1/2	65,627	1/2	81,326	1/2	97,025	1/2	112,724	1/2	128,424	1/2	144,120
3/4	4,910	3/4	19,056	3/4	34,594	3/4	50,255	3/4	65,954	3/4	81,653	3/4	97,352	3/4	113,051	3/4	128,751	3/4	144,447
5	5,183	5	19,370	5	34,920	5	50,582	5	66,281	5	81,980	5	97,679	5	113,379	5	129,078	5	144,774
1/4	5,460	1/4	19,688	1/4	35,246	1/4	50,909	1/4	66,608	1/4	82,307	1/4	98,006	1/4	113,706	1/4	129,405	1/4	145,101
1/2	5,737	1/2	20,006	1/2	35,572	1/2	51,236	1/2	66,935	1/2	82,634	1/2	98,333	1/2	114,033	1/2	129,732	1/2	145,428
3/4	6,013	3/4	20,323	3/4	35,898	3/4	51,563	3/4	67,262	3/4	82,961	3/4	98,661	3/4	114,360	3/4	130,059	3/4	145,755
6	6,290	6	20,641	6	36,224	6	51,890	6	67,589	6	83,288	6	98,988	6	114,687	6	130,386	6	146,082
1/4	6,570	1/4	20,962	1/4	36,550	1/4	52,217	1/4	67,916	1/4	83,615	1/4	99,315	1/4	115,014	1/4	130,713	1/4	146,409
1/2	6,851	1/2	21,283	1/2	36,876	1/2	52,544	1/2	68,243	1/2	83,943	1/2	99,642	1/2	115,341	1/2	131,040	1/2	146,736
3/4	7,131	3/4	21,604	3/4	37,202	3/4	52,871	3/4	68,570	3/4	84,270	3/4	99,969	3/4	115,668	3/4	131,367	3/4	147,063
7	7,411	7	21,925	7	37,528	7	53,198	7	68,897	7	84,597	7	100,296	7	115,995	7	131,694	7	147,390
1/4	7,695	1/4	22,242	1/4	37,853	1/4	53,525	1/4	69,224	1/4	84,924	1/4	100,623	1/4	116,322	1/4	132,021	1/4	147,717
1/2	7,979	1/2	22,559	1/2	38,179	1/2	53,852	1/2	69,552	1/2	85,251	1/2	100,950	1/2	116,649	1/2	132,348	1/2	148,044
3/4	8,262	3/4	22,876	3/4	38,505	3/4	54,179	3/4	69,879	3/4	85,578	3/4	101,277	3/4	116,976	3/4	132,675	3/4	148,371
8	8,546	8	23,193	8	38,831	8	54,506	8	70,206	8	85,905	8	101,604	8	117,303	8	133,002	8	148,698
1/4	8,833	1/4	23,511	1/4	39,157	1/4	54,834	1/4	70,533	1/4	86,232	1/4	101,931	1/4	117,630	1/4	133,329	1/4	149,025
1/2	9,120	1/2	23,830	1/2	39,483	1/2	55,161	1/2	70,860	1/2	86,559	1/2	102,258	1/2	117,957	1/2	133,656	1/2	149,352
3/4	9,407	3/4	24,148	3/4	39,809	3/4	55,488	3/4	71,187	3/4	86,886	3/4	102,585	3/4	118,285	3/4	133,983	3/4	149,679
9	9,694	9	24,466	9	40,135	9	55,815	9	71,514	9	87,213	9	102,912	9	118,612	9	134,310	9	150,006
1/4	9,985	1/4	24,792	1/4	40,460	1/4	56,142	1/4	71,841	1/4	87,540	1/4	103,239	1/4	118,939	1/4	134,637	1/4	150,333
1/2	10,275	1/2	25,118	1/2	40,786	1/2	56,469	1/2	72,168	1/2	87,867	1/2	103,567	1/2	119,266	1/2	134,964	1/2	150,660
3/4	10,566	3/4	25,444	3/4	41,112	3/4	56,796	3/4	72,495	3/4	88,194	3/4	103,894	3/4	119,593	3/4	135,291	3/4	150,987
10	10,856	10	25,770	10	41,438	10	57,123	10	72,822	10	88,521	10	104,221	10	119,920	10	135,618	10	151,314
1/4	11,150	1/4	26,097	1/4	41,764	1/4	57,450	1/4	73,149	1/4	88,849	1/4	104,548	1/4	120,247	1/4	135,945	1/4	151,641
1/2	11,444	1/2	26,424	1/2	42,090	1/2	57,777	1/2	73,476	1/2	89,176	1/2	104,875	1/2	120,574	1/2	136,272	1/2	151,968
3/4	11,738	3/4	26,751	3/4	42,416	3/4	58,104	3/4	73,803	3/4	89,503	3/4	105,202	3/4	120,901	3/4	136,599	3/4	152,295
11	12,031	11	27,078	11	42,742	11	58,431	11	74,131	11	89,830	11	105,529	11	121,228	11	136,926	11	152,622
1/4	12,329	1/4	27,405	1/4	43,068	1/4	58,758	1/4	74,458	1/4	90,157	1/4	105,856	1/4	121,555	1/4	137,253	1/4	152,949
1/2	12,626	1/2	27,732	1/2	43,394	1/2	59,085	1/2	74,785	1/2	90,484	1/2	106,183	1/2	121,882	1/2	137,580	1/2	153,276
3/4	12,923	3/4	28,059	3/4	43,720	3/4	59,412	3/4	75,112	3/4	90,811	3/4	106,510	3/4	122,209	3/4	137,907	3/4	153,603

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 313"

**1 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GUAGE HEIGHT 16'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	153,930	0	169,625	0	185,249	0	200,856	0	216,377	0		0		0		0		0	
1/4	154,257	1/4	169,952	1/4	185,574	1/4	201,182	1/4	216,690	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,584	1/2	170,279	1/2	185,899	1/2	201,507	1/2	217,003	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,911	3/4	170,606	3/4	186,224	3/4	201,832	3/4	217,316	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	155,238	1	170,933	1	186,549	1	202,157	1	217,629	1	1	1	1	1	1	1	1	1	1
1/4	155,565	1/4	171,260	1/4	186,874	1/4	202,482	1/4	217,902	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,892	1/2	171,587	1/2	187,199	1/2	202,807	1/2	218,175	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,219	3/4	171,914	3/4	187,525	3/4	203,133	3/4	218,448	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	156,546	2	172,241	2	187,850	2	203,458	2	218,721	2	2	2	2	2	2	2	2	2	2
1/4	156,872	1/4	172,566	1/4	188,175	1/4	203,783	1/4	218,941	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,199	1/2	172,892	1/2	188,500	1/2	204,108	1/2	219,160	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,526	3/4	173,217	3/4	188,825	3/4	204,433	3/4	219,380	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	157,853	3	173,543	3	189,150	3	204,758	3	219,599	3	3	3	3	3	3	3	3	3	3
1/4	158,180	1/4	173,868	1/4	189,476	1/4	205,084	1/4	219,765	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,507	1/2	174,193	1/2	189,801	1/2	205,409	1/2	219,930	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,834	3/4	174,518	3/4	190,126	3/4	205,734	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	159,161	4	174,843	4	190,451	4	206,059	4		4	4	4	4	4	4	4	4	4	4
1/4	159,488	1/4	175,168	1/4	190,776	1/4	206,384	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,815	1/2	175,494	1/2	191,101	1/2	206,709	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,142	3/4	175,819	3/4	191,427	3/4	207,035	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	160,469	5	176,144	5	191,752	5	207,360	5	5	5	5	5	5	5	5	5	5	5	5
1/4	160,796	1/4	176,469	1/4	192,077	1/4	207,685	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,123	1/2	176,794	1/2	192,402	1/2	208,010	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,450	3/4	177,119	3/4	192,727	3/4	208,335	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	161,777	6	177,445	6	193,052	6	208,660	6	6	6	6	6	6	6	6	6	6	6	6
1/4	162,104	1/4	177,770	1/4	193,378	1/4	208,986	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,431	1/2	178,095	1/2	193,703	1/2	209,311	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,758	3/4	178,420	3/4	194,028	3/4	209,636	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	163,085	7	178,745	7	194,353	7	209,961	7		7	7	7	7	7	7	7	7	7	7
1/4	163,412	1/4	179,070	1/4	194,678	1/4	210,283	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,739	1/2	179,396	1/2	195,003	1/2	210,605	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,066	3/4	179,721	3/4	195,329	3/4	210,927	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	164,393	8	180,046	8	195,654	8	211,249	8	8	8	8	8	8	8	8	8	8	8	8
1/4	164,720	1/4	180,371	1/4	195,979	1/4	211,571	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,047	1/2	180,696	1/2	196,304	1/2	211,892	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,374	3/4	181,021	3/4	196,629	3/4	212,214	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	165,701	9	181,347	9	196,954	9	212,535	9	9	9	9	9	9	9	9	9	9	9	9
1/4	166,028	1/4	181,672	1/4	197,280	1/4	212,856	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,355	1/2	181,997	1/2	197,605	1/2	213,177	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,682	3/4	182,322	3/4	197,930	3/4	213,498	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	167,009	10	182,647	10	198,255	10	213,819	10	10	10	10	10	10	10	10	10	10	10	10
1/4	167,336	1/4	182,972	1/4	198,580	1/4	214,140	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	167,663	1/2	183,298	1/2	198,905	1/2	214,460	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	167,990	3/4	183,623	3/4	199,231	3/4	214,780	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	168,317	11	183,948	11	199,556	11	215,100	11	11	11	11	11	11	11	11	11	11	11	11
1/4	168,644	1/4	184,273	1/4	199,881	1/4	215,419	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	168,971	1/2	184,598	1/2	200,206	1/2	215,738	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	169,298	3/4	184,923	3/4	200,531	3/4	216,057	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.

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Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBC 313"

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	15,017	0	30,179	0	45,160	0	60,244	0	75,406	0	90,569	0	105,731	0	120,894	0	136,055
1/4	781	1/4	15,332	1/4	30,494	1/4	45,470	1/4	60,560	1/4	75,722	1/4	90,885	1/4	106,047	1/4	121,209	1/4	136,370
1/2	968	1/2	15,648	1/2	30,810	1/2	45,779	1/2	60,875	1/2	76,038	1/2	91,200	1/2	106,363	1/2	121,525	1/2	136,686
3/4	1,156	3/4	15,964	3/4	31,126	3/4	46,088	3/4	61,191	3/4	76,354	3/4	91,516	3/4	106,679	3/4	121,841	3/4	137,002
1	1,343	1	16,280	1	31,442	1	46,398	1	61,507	1	76,670	1	91,832	1	106,995	1	122,157	1	137,318
1/4	1,610	1/4	16,596	1/4	31,758	1/4	46,707	1/4	61,823	1/4	76,986	1/4	92,148	1/4	107,311	1/4	122,473	1/4	137,634
1/2	1,876	1/2	16,912	1/2	32,074	1/2	47,017	1/2	62,139	1/2	77,301	1/2	92,464	1/2	107,626	1/2	122,789	1/2	137,949
3/4	2,143	3/4	17,228	3/4	32,390	3/4	47,327	3/4	62,455	3/4	77,617	3/4	92,780	3/4	107,942	3/4	123,105	3/4	138,265
2	2,409	2	17,544	2	32,706	2	47,636	2	62,771	2	77,933	2	93,096	2	108,258	2	123,421	2	138,581
1/4	2,719	1/4	17,859	1/4	33,021	1/4	47,946	1/4	63,087	1/4	78,249	1/4	93,412	1/4	108,574	1/4	123,737	1/4	138,897
1/2	3,029	1/2	18,175	1/2	33,337	1/2	48,256	1/2	63,403	1/2	78,565	1/2	93,727	1/2	108,890	1/2	124,052	1/2	139,213
3/4	3,338	3/4	18,491	3/4	33,653	3/4	48,565	3/4	63,718	3/4	78,881	3/4	94,043	3/4	109,206	3/4	124,368	3/4	139,528
3	3,648	3	18,807	3	33,969	3	48,875	3	64,034	3	79,197	3	94,359	3	109,522	3	124,684	3	139,844
1/4	3,963	1/4	19,123	1/4	34,285	1/4	49,190	1/4	64,350	1/4	79,513	1/4	94,675	1/4	109,838	1/4	125,000	1/4	140,160
1/2	4,278	1/2	19,439	1/2	34,601	1/2	49,505	1/2	64,666	1/2	79,829	1/2	94,991	1/2	110,154	1/2	125,316	1/2	140,476
3/4	4,594	3/4	19,755	3/4	34,917	3/4	49,820	3/4	64,982	3/4	80,144	3/4	95,307	3/4	110,469	3/4	125,632	3/4	140,792
4	4,909	4	20,071	4	35,233	4	50,135	4	65,298	4	80,460	4	95,623	4	110,785	4	125,948	4	141,108
1/4	5,225	1/4	20,386	1/4	35,548	1/4	50,451	1/4	65,614	1/4	80,776	1/4	95,939	1/4	111,101	1/4	126,264	1/4	141,423
1/2	5,540	1/2	20,702	1/2	35,864	1/2	50,767	1/2	65,930	1/2	81,092	1/2	96,255	1/2	111,417	1/2	126,580	1/2	141,739
3/4	5,856	3/4	21,018	3/4	36,180	3/4	51,083	3/4	66,245	3/4	81,408	3/4	96,570	3/4	111,733	3/4	126,895	3/4	142,055
5	6,172	5	21,334	5	36,496	5	51,399	5	66,561	5	81,724	5	96,886	5	112,049	5	127,211	5	142,371
1/4	6,488	1/4	21,650	1/4	36,806	1/4	51,715	1/4	66,877	1/4	82,040	1/4	97,202	1/4	112,365	1/4	127,527	1/4	142,687
1/2	6,804	1/2	21,966	1/2	37,116	1/2	52,031	1/2	67,193	1/2	82,356	1/2	97,518	1/2	112,681	1/2	127,843	1/2	143,002
3/4	7,120	3/4	22,282	3/4	37,427	3/4	52,347	3/4	67,509	3/4	82,672	3/4	97,834	3/4	112,996	3/4	128,159	3/4	143,318
6	7,436	6	22,598	6	37,737	6	52,662	6	67,825	6	82,987	6	98,150	6	113,312	6	128,475	6	143,634
1/4	7,751	1/4	22,913	1/4	38,046	1/4	52,978	1/4	68,141	1/4	83,303	1/4	98,466	1/4	113,628	1/4	128,791	1/4	143,950
1/2	8,067	1/2	23,229	1/2	38,355	1/2	53,294	1/2	68,457	1/2	83,619	1/2	98,782	1/2	113,944	1/2	129,107	1/2	144,266
3/4	8,383	3/4	23,545	3/4	38,665	3/4	53,610	3/4	68,773	3/4	83,935	3/4	99,098	3/4	114,260	3/4	129,423	3/4	144,581
7	8,699	7	23,861	7	38,974	7	53,926	7	69,088	7	84,251	7	99,413	7	114,576	7	129,738	7	144,897
1/4	9,015	1/4	24,177	1/4	39,283	1/4	54,242	1/4	69,404	1/4	84,567	1/4	99,729	1/4	114,892	1/4	130,054	1/4	145,213
1/2	9,331	1/2	24,493	1/2	39,593	1/2	54,558	1/2	69,720	1/2	84,883	1/2	100,045	1/2	115,208	1/2	130,370	1/2	145,529
3/4	9,647	3/4	24,809	3/4	39,902	3/4	54,874	3/4	70,036	3/4	85,199	3/4	100,361	3/4	115,524	3/4	130,686	3/4	145,845
8	9,963	8	25,125	8	40,211	8	55,190	8	70,352	8	85,514	8	100,677	8	115,839	8	131,002	8	146,160
1/4	10,278	1/4	25,440	1/4	40,521	1/4	55,505	1/4	70,668	1/4	85,830	1/4	100,993	1/4	116,155	1/4	131,317	1/4	146,476
1/2	10,594	1/2	25,756	1/2	40,830	1/2	55,821	1/2	70,984	1/2	86,146	1/2	101,309	1/2	116,471	1/2	131,633	1/2	146,792
3/4	10,910	3/4	26,072	3/4	41,139	3/4	56,137	3/4	71,300	3/4	86,462	3/4	101,625	3/4	116,787	3/4	131,949	3/4	147,108
9	11,226	9	26,388	9	41,449	9	56,453	9	71,616	9	86,778	9	101,941	9	117,103	9	132,265	9	147,424
1/4	11,542	1/4	26,704	1/4	41,758	1/4	56,769	1/4	71,931	1/4	87,094	1/4	102,256	1/4	117,419	1/4	132,581	1/4	147,739
1/2	11,858	1/2	27,020	1/2	42,067	1/2	57,085	1/2	72,247	1/2	87,410	1/2	102,572	1/2	117,735	1/2	132,897	1/2	148,055
3/4	12,174	3/4	27,336	3/4	42,377	3/4	57,401	3/4	72,563	3/4	87,726	3/4	102,888	3/4	118,051	3/4	133,212	3/4	148,371
10	12,490	10	27,652	10	42,686	10	57,717	10	72,879	10	88,042	10	103,204	10	118,367	10	133,528	10	148,687
1/4	12,805	1/4	27,967	1/4	42,995	1/4	58,032	1/4	73,195	1/4	88,357	1/4	103,520	1/4	118,682	1/4	133,844	1/4	149,003
1/2	13,121	1/2	28,283	1/2	43,305	1/2	58,348	1/2	73,511	1/2	88,673	1/2	103,836	1/2	118,998	1/2	134,160	1/2	149,318
3/4	13,437	3/4	28,599	3/4	43,614	3/4	58,664	3/4	73,827	3/4	88,989	3/4	104,152	3/4	119,314	3/4	134,476	3/4	149,634
11	13,753	11	28,915	11	43,923	11	58,980	11	74,143	11	89,305	11	104,468	11	119,630	11	134,791	11	149,950
1/4	14,069	1/4	29,231	1/4	44,232	1/4	59,296	1/4	74,459	1/4	89,621	1/4	104,783	1/4	119,946	1/4	135,107	1/4	150,266
1/2	14,385	1/2	29,547	1/2	44,542	1/2	59,612	1/2	74,774	1/2	89,937	1/2	105,099	1/2	120,262	1/2	135,423	1/2	150,582
3/4	14,701	3/4	29,863	3/4	44,851	3/4	59,928	3/4	75,090	3/4	90,253	3/4	105,415	3/4	120,578	3/4	135,739	3/4	150,898

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 313"

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	151,213	0	166,372	0	181,459	0	196,530	0	211,514	0		0		0		0		0	
1/4	151,529	1/4	166,688	1/4	181,773	1/4	196,844	1/4	211,816	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,845	1/2	167,004	1/2	182,087	1/2	197,158	1/2	212,119	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,161	3/4	167,320	3/4	182,401	3/4	197,472	3/4	212,421	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	152,477	1	167,635	1	182,715	1	197,786	1	212,723	1	1	1	1	1	1	1	1	1	1
1/4	152,792	1/4	167,951	1/4	183,029	1/4	198,100	1/4	212,987	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,108	1/2	168,267	1/2	183,343	1/2	198,414	1/2	213,250	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,424	3/4	168,583	3/4	183,657	3/4	198,728	3/4	213,513	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	153,740	2	168,899	2	183,971	2	199,042	2	213,777	2	2	2	2	2	2	2	2	2	2
1/4	154,056	1/4	169,213	1/4	184,285	1/4	199,356	1/4	213,989	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,371	1/2	169,527	1/2	184,599	1/2	199,670	1/2	214,201	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,687	3/4	169,841	3/4	184,913	3/4	199,984	3/4	214,413	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	155,003	3	170,155	3	185,227	3	200,298	3	214,624	3	3	3	3	3	3	3	3	3	3
1/4	155,319	1/4	170,469	1/4	185,541	1/4	200,612	1/4	214,784	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,635	1/2	170,783	1/2	185,854	1/2	200,926	1/2	214,943	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,950	3/4	171,097	3/4	186,168	3/4	201,240	3/4	215,102	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	156,266	4	171,411	4	186,482	4	201,554	4	215,261	4	4	4	4	4	4	4	4	4	4
1/4	156,582	1/4	171,725	1/4	186,796	1/4	201,868	1/4	215,420	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,898	1/2	172,039	1/2	187,110	1/2	202,182	1/2	215,579	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,214	3/4	172,353	3/4	187,424	3/4	202,496	3/4	215,738	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	157,529	5	172,667	5	187,738	5	202,810	5	215,897	5	5	5	5	5	5	5	5	5	5
1/4	157,845	1/4	172,981	1/4	188,052	1/4	203,124	1/4	216,056	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,161	1/2	173,295	1/2	188,366	1/2	203,437	1/2	216,215	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,477	3/4	173,609	3/4	188,680	3/4	203,751	3/4	216,374	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	158,793	6	173,923	6	188,994	6	204,065	6	216,533	6	6	6	6	6	6	6	6	6	6
1/4	159,109	1/4	174,237	1/4	189,308	1/4	204,379	1/4	216,692	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,424	1/2	174,551	1/2	189,622	1/2	204,693	1/2	216,851	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,740	3/4	174,865	3/4	189,936	3/4	205,007	3/4	217,010	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	160,056	7	175,179	7	190,250	7	205,321	7	217,169	7	7	7	7	7	7	7	7	7	7
1/4	160,372	1/4	175,493	1/4	190,564	1/4	205,635	1/4	217,328	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,688	1/2	175,807	1/2	190,878	1/2	205,949	1/2	217,487	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,003	3/4	176,121	3/4	191,192	3/4	206,263	3/4	217,646	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	161,319	8	176,435	8	191,506	8	206,577	8	217,805	8	8	8	8	8	8	8	8	8	8
1/4	161,635	1/4	176,749	1/4	191,820	1/4	206,891	1/4	217,964	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,951	1/2	177,063	1/2	192,134	1/2	207,205	1/2	218,123	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,267	3/4	177,377	3/4	192,448	3/4	207,519	3/4	218,282	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	162,582	9	177,691	9	192,762	9	207,833	9	218,441	9	9	9	9	9	9	9	9	9	9
1/4	162,898	1/4	178,005	1/4	193,076	1/4	208,147	1/4	218,600	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,214	1/2	178,319	1/2	193,390	1/2	208,461	1/2	218,759	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,530	3/4	178,633	3/4	193,704	3/4	208,775	3/4	218,918	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	163,846	10	178,947	10	194,018	10	209,089	10	219,077	10	10	10	10	10	10	10	10	10	10
1/4	164,161	1/4	179,261	1/4	194,332	1/4	209,403	1/4	219,236	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,477	1/2	179,575	1/2	194,646	1/2	209,717	1/2	219,395	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,793	3/4	179,889	3/4	194,960	3/4	209,931	3/4	219,554	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	165,109	11	180,203	11	195,274	11	210,245	11	219,713	11	11	11	11	11	11	11	11	11	11
1/4	165,425	1/4	180,517	1/4	195,588	1/4	210,559	1/4	219,872	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,740	1/2	180,831	1/2	195,902	1/2	210,873	1/2	219,931	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,056	3/4	181,145	3/4	196,216	3/4	211,187	3/4	220,090	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: 02/18/2013 CL
CALCULATED: 02/19/2013 CL
PRINTED: 02/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "CBC 313"

**2 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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	593	0	15,009	0	30,164	0	45,032	0	60,135	0	75,290	0	90,445	0	105,600	0	120,755	0	135,909
1/4	780	1/4	15,325	1/4	30,479	1/4	45,340	1/4	60,451	1/4	75,606	1/4	90,761	1/4	105,916	1/4	121,071	1/4	136,225
1/2	968	1/2	15,641	1/2	30,795	1/2	45,647	1/2	60,767	1/2	75,922	1/2	91,077	1/2	106,232	1/2	121,387	1/2	136,540
3/4	1,155	3/4	15,956	3/4	31,111	3/4	45,955	3/4	61,082	3/4	76,237	3/4	91,393	3/4	106,548	3/4	121,703	3/4	136,856
1	1,343	1	16,272	1	31,427	1	46,262	1	61,398	1	76,553	1	91,708	1	106,863	1	122,018	1	137,172
1/4	1,609	1/4	16,588	1/4	31,742	1/4	46,576	1/4	61,714	1/4	76,869	1/4	92,024	1/4	107,179	1/4	122,334	1/4	137,487
1/2	1,875	1/2	16,903	1/2	32,058	1/2	46,889	1/2	62,030	1/2	77,185	1/2	92,340	1/2	107,495	1/2	122,650	1/2	137,803
3/4	2,142	3/4	17,219	3/4	32,374	3/4	47,202	3/4	62,345	3/4	77,500	3/4	92,655	3/4	107,810	3/4	122,966	3/4	138,118
2	2,408	2	17,535	2	32,690	2	47,515	2	62,661	2	77,816	2	92,971	2	108,126	2	123,281	2	138,434
1/4	2,718	1/4	17,851	1/4	33,005	1/4	47,828	1/4	62,977	1/4	78,132	1/4	93,287	1/4	108,442	1/4	123,597	1/4	138,750
1/2	3,027	1/2	18,166	1/2	33,321	1/2	48,142	1/2	63,293	1/2	78,448	1/2	93,603	1/2	108,758	1/2	123,913	1/2	139,065
3/4	3,336	3/4	18,482	3/4	33,637	3/4	48,456	3/4	63,608	3/4	78,763	3/4	93,918	3/4	109,073	3/4	124,228	3/4	139,381
3	3,646	3	18,798	3	33,952	3	48,770	3	63,924	3	79,079	3	94,234	3	109,389	3	124,544	3	139,697
1/4	3,961	1/4	19,114	1/4	34,262	1/4	49,085	1/4	64,240	1/4	79,395	1/4	94,550	1/4	109,705	1/4	124,860	1/4	140,012
1/2	4,276	1/2	19,429	1/2	34,571	1/2	49,401	1/2	64,555	1/2	79,711	1/2	94,866	1/2	110,021	1/2	125,176	1/2	140,328
3/4	4,591	3/4	19,745	3/4	34,880	3/4	49,716	3/4	64,871	3/4	80,026	3/4	95,181	3/4	110,336	3/4	125,491	3/4	140,644
4	4,907	4	20,061	4	35,189	4	50,032	4	65,187	4	80,342	4	95,497	4	110,652	4	125,807	4	140,959
1/4	5,222	1/4	20,376	1/4	35,497	1/4	50,348	1/4	65,503	1/4	80,658	1/4	95,813	1/4	110,968	1/4	126,123	1/4	141,275
1/2	5,538	1/2	20,692	1/2	35,805	1/2	50,663	1/2	65,818	1/2	80,973	1/2	96,128	1/2	111,284	1/2	126,439	1/2	141,591
3/4	5,853	3/4	21,008	3/4	36,114	3/4	50,979	3/4	66,134	3/4	81,289	3/4	96,444	3/4	111,599	3/4	126,754	3/4	141,906
5	6,169	5	21,324	5	36,422	5	51,295	5	66,450	5	81,605	5	96,760	5	111,915	5	127,070	5	142,222
1/4	6,485	1/4	21,639	1/4	36,730	1/4	51,611	1/4	66,766	1/4	81,921	1/4	97,076	1/4	112,231	1/4	127,386	1/4	142,538
1/2	6,800	1/2	21,955	1/2	37,037	1/2	51,926	1/2	67,081	1/2	82,236	1/2	97,391	1/2	112,546	1/2	127,701	1/2	142,853
3/4	7,116	3/4	22,271	3/4	37,345	3/4	52,242	3/4	67,397	3/4	82,552	3/4	97,707	3/4	112,862	3/4	128,017	3/4	143,169
6	7,432	6	22,586	6	37,652	6	52,558	6	67,713	6	82,868	6	98,023	6	113,178	6	128,333	6	143,485
1/4	7,748	1/4	22,902	1/4	37,960	1/4	52,873	1/4	68,029	1/4	83,184	1/4	98,339	1/4	113,494	1/4	128,649	1/4	143,800
1/2	8,063	1/2	23,218	1/2	38,267	1/2	53,189	1/2	68,344	1/2	83,499	1/2	98,654	1/2	113,809	1/2	128,964	1/2	144,116
3/4	8,379	3/4	23,534	3/4	38,575	3/4	53,505	3/4	68,660	3/4	83,815	3/4	98,970	3/4	114,125	3/4	129,280	3/4	144,432
7	8,695	7	23,849	7	38,882	7	53,821	7	68,976	7	84,131	7	99,286	7	114,441	7	129,596	7	144,747
1/4	9,010	1/4	24,165	1/4	39,190	1/4	54,136	1/4	69,291	1/4	84,446	1/4	99,602	1/4	114,757	1/4	129,912	1/4	145,063
1/2	9,326	1/2	24,481	1/2	39,497	1/2	54,452	1/2	69,607	1/2	84,762	1/2	99,917	1/2	115,072	1/2	130,227	1/2	145,378
3/4	9,642	3/4	24,796	3/4	39,805	3/4	54,768	3/4	69,923	3/4	85,078	3/4	100,233	3/4	115,388	3/4	130,543	3/4	145,694
8	9,958	8	25,112	8	40,112	8	55,084	8	70,239	8	85,394	8	100,549	8	115,704	8	130,858	8	146,010
1/4	10,273	1/4	25,428	1/4	40,420	1/4	55,399	1/4	70,554	1/4	85,709	1/4	100,864	1/4	116,019	1/4	131,174	1/4	146,325
1/2	10,589	1/2	25,744	1/2	40,727	1/2	55,715	1/2	70,870	1/2	86,025	1/2	101,180	1/2	116,335	1/2	131,490	1/2	146,641
3/4	10,905	3/4	26,059	3/4	41,035	3/4	56,031	3/4	71,186	3/4	86,341	3/4	101,496	3/4	116,651	3/4	131,805	3/4	146,957
9	11,220	9	26,375	9	41,342	9	56,347	9	71,502	9	86,657	9	101,812	9	116,967	9	132,121	9	147,272
1/4	11,536	1/4	26,691	1/4	41,650	1/4	56,662	1/4	71,817	1/4	86,972	1/4	102,127	1/4	117,282	1/4	132,437	1/4	147,588
1/2	11,852	1/2	27,007	1/2	41,957	1/2	56,978	1/2	72,133	1/2	87,288	1/2	102,443	1/2	117,598	1/2	132,752	1/2	147,904
3/4	12,168	3/4	27,322	3/4	42,265	3/4	57,294	3/4	72,449	3/4	87,604	3/4	102,759	3/4	117,914	3/4	133,068	3/4	148,219
10	12,483	10	27,638	10	42,572	10	57,609	10	72,764	10	87,919	10	103,075	10	118,230	10	133,384	10	148,535
1/4	12,799	1/4	27,954	1/4	42,880	1/4	57,925	1/4	73,080	1/4	88,235	1/4	103,390	1/4	118,545	1/4	133,699	1/4	148,851
1/2	13,115	1/2	28,269	1/2	43,187	1/2	58,241	1/2	73,396	1/2	88,551	1/2	103,706	1/2	118,861	1/2	134,015	1/2	149,166
3/4	13,431	3/4	28,585	3/4	43,495	3/4	58,557	3/4	73,712	3/4	88,867	3/4	104,022	3/4	119,177	3/4	134,331	3/4	149,482
11	13,746	11	28,901	11	43,802	11	58,872	11	74,027	11	89,182	11	104,337	11	119,492	11	134,646	11	149,798
1/4	14,062	1/4	29,217	1/4	44,110	1/4	59,188	1/4	74,343	1/4	89,498	1/4	104,653	1/4	119,808	1/4	134,962	1/4	150,113
1/2	14,378	1/2	29,532	1/2	44,417	1/2	59,504	1/2	74,659	1/2	89,814	1/2	104,969	1/2	120,124	1/2	135,278	1/2	150,429
3/4	14,693	3/4	29,848	3/4	44,725	3/4	59,820	3/4	74,975	3/4	90,130	3/4	105,285	3/4	120,440	3/4	135,593	3/4	150,745

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 313"

**2 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	151,060	0	166,212	0	181,291	0	196,354	0	211,331	0		0		0		0		0	
1/4	151,376	1/4	166,527	1/4	181,605	1/4	196,668	1/4	211,633	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,692	1/2	166,843	1/2	181,918	1/2	196,982	1/2	211,936	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,007	3/4	167,158	3/4	182,232	3/4	197,296	3/4	212,238	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	152,323	1	167,474	1	182,546	1	197,610	1	212,540	1	1	1	1	1	1	1	1	1	1
1/4	152,638	1/4	167,790	1/4	182,860	1/4	197,924	1/4	212,803	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,954	1/2	168,105	1/2	183,174	1/2	198,237	1/2	213,066	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,270	3/4	168,421	3/4	183,488	3/4	198,551	3/4	213,330	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	153,585	2	168,737	2	183,801	2	198,865	2	213,593	2	2	2	2	2	2	2	2	2	2
1/4	153,901	1/4	169,051	1/4	184,115	1/4	199,179	1/4	213,805	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,217	1/2	169,365	1/2	184,429	1/2	199,493	1/2	214,017	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,532	3/4	169,679	3/4	184,743	3/4	199,807	3/4	214,228	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	154,848	3	169,993	3	185,057	3	200,120	3	214,440	3	3	3	3	3	3	3	3	3	3
1/4	155,164	1/4	170,307	1/4	185,371	1/4	200,434	1/4	214,599	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,479	1/2	170,621	1/2	185,684	1/2	200,748	1/2	214,759	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,795	3/4	170,934	3/4	185,998	3/4	201,062	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	156,111	4	171,248	4	186,312	4	201,376	4		4	4	4	4	4	4	4	4	4	4
1/4	156,426	1/4	171,562	1/4	186,626	1/4	201,690	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,742	1/2	171,876	1/2	186,940	1/2	202,003	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,058	3/4	172,190	3/4	187,253	3/4	202,317	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	157,373	5	172,504	5	187,567	5	202,631	5		5	5	5	5	5	5	5	5	5	5
1/4	157,689	1/4	172,817	1/4	187,881	1/4	202,945	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,005	1/2	173,131	1/2	188,195	1/2	203,259	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,320	3/4	173,445	3/4	188,509	3/4	203,573	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	158,636	6	173,759	6	188,823	6	203,886	6		6	6	6	6	6	6	6	6	6	6
1/4	158,952	1/4	174,073	1/4	189,136	1/4	204,200	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,267	1/2	174,387	1/2	189,450	1/2	204,514	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,583	3/4	174,700	3/4	189,764	3/4	204,828	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	159,898	7	175,014	7	190,078	7	205,142	7		7	7	7	7	7	7	7	7	7	7
1/4	160,214	1/4	175,328	1/4	190,392	1/4	205,452	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,530	1/2	175,642	1/2	190,706	1/2	205,763	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,845	3/4	175,956	3/4	191,019	3/4	206,074	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	161,161	8	176,270	8	191,333	8	206,385	8		8	8	8	8	8	8	8	8	8	8
1/4	161,477	1/4	176,583	1/4	191,647	1/4	206,695	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,792	1/2	176,897	1/2	191,961	1/2	207,005	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,108	3/4	177,211	3/4	192,275	3/4	207,315	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	162,424	9	177,525	9	192,589	9	207,625	9		9	9	9	9	9	9	9	9	9	9
1/4	162,739	1/4	177,839	1/4	192,902	1/4	207,935	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,055	1/2	178,152	1/2	193,216	1/2	208,245	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,371	3/4	178,466	3/4	193,530	3/4	208,554	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	163,686	10	178,780	10	193,844	10	208,864	10		10	10	10	10	10	10	10	10	10	10
1/4	164,002	1/4	179,094	1/4	194,158	1/4	209,173	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,318	1/2	179,408	1/2	194,472	1/2	209,482	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,633	3/4	179,722	3/4	194,785	3/4	209,791	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	164,949	11	180,035	11	195,099	11	210,100	11		11	11	11	11	11	11	11	11	11	11
1/4	165,265	1/4	180,349	1/4	195,413	1/4	210,408	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,580	1/2	180,663	1/2	195,727	1/2	210,716	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,896	3/4	180,977	3/4	196,041	3/4	211,023	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: 02/18/2013 CL
CALCULATED: 02/19/2013 CL
PRINTED: 02/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 313"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	611	0	15,479	0	31,101	0	46,449	0	61,871	0	77,459	0	93,045	0	108,581	0	124,154	0	139,730
1/4	804	1/4	15,805	1/4	31,426	1/4	46,765	1/4	62,196	1/4	77,784	1/4	93,369	1/4	108,905	1/4	124,479	1/4	140,055
1/2	998	1/2	16,130	1/2	31,750	1/2	47,081	1/2	62,521	1/2	78,109	1/2	93,692	1/2	109,229	1/2	124,803	1/2	140,379
3/4	1,191	3/4	16,456	3/4	32,075	3/4	47,397	3/4	62,845	3/4	78,434	3/4	94,016	3/4	109,554	3/4	125,128	3/4	140,704
1	1,384	1	16,781	1	32,399	1	47,714	1	63,170	1	78,758	1	94,340	1	109,878	1	125,452	1	141,028
1/4	1,659	1/4	17,107	1/4	32,724	1/4	48,030	1/4	63,495	1/4	79,083	1/4	94,663	1/4	110,202	1/4	125,777	1/4	141,353
1/2	1,934	1/2	17,433	1/2	33,049	1/2	48,347	1/2	63,820	1/2	79,408	1/2	94,987	1/2	110,526	1/2	126,101	1/2	141,677
3/4	2,208	3/4	17,758	3/4	33,373	3/4	48,663	3/4	64,145	3/4	79,733	3/4	95,311	3/4	110,851	3/4	126,426	3/4	142,002
2	2,483	2	18,084	2	33,698	2	48,980	2	64,469	2	80,058	2	95,634	2	111,175	2	126,750	2	142,326
1/4	2,802	1/4	18,410	1/4	34,023	1/4	49,296	1/4	64,794	1/4	80,382	1/4	95,958	1/4	111,499	1/4	127,075	1/4	142,650
1/2	3,121	1/2	18,735	1/2	34,347	1/2	49,613	1/2	65,119	1/2	80,707	1/2	96,282	1/2	111,823	1/2	127,399	1/2	142,975
3/4	3,440	3/4	19,061	3/4	34,672	3/4	49,930	3/4	65,444	3/4	81,032	3/4	96,605	3/4	112,148	3/4	127,724	3/4	143,299
3	3,760	3	19,386	3	34,996	3	50,246	3	65,768	3	81,357	3	96,929	3	112,472	3	128,048	3	143,624
1/4	4,085	1/4	19,712	1/4	35,321	1/4	50,563	1/4	66,093	1/4	81,681	1/4	97,253	1/4	112,796	1/4	128,373	1/4	143,948
1/2	4,410	1/2	20,038	1/2	35,646	1/2	50,880	1/2	66,418	1/2	82,006	1/2	97,576	1/2	113,121	1/2	128,697	1/2	144,273
3/4	4,735	3/4	20,363	3/4	35,970	3/4	51,197	3/4	66,742	3/4	82,331	3/4	97,900	3/4	113,445	3/4	129,022	3/4	144,597
4	5,060	4	20,689	4	36,295	4	51,514	4	67,067	4	82,656	4	98,224	4	113,770	4	129,346	4	144,922
1/4	5,385	1/4	21,015	1/4	36,619	1/4	51,830	1/4	67,392	1/4	82,981	1/4	98,547	1/4	114,094	1/4	129,671	1/4	145,246
1/2	5,711	1/2	21,340	1/2	36,944	1/2	52,147	1/2	67,716	1/2	83,305	1/2	98,871	1/2	114,419	1/2	129,995	1/2	145,569
3/4	6,036	3/4	21,666	3/4	37,269	3/4	52,464	3/4	68,041	3/4	83,630	3/4	99,195	3/4	114,743	3/4	130,320	3/4	145,893
5	6,362	5	21,991	5	37,593	5	52,781	5	68,366	5	83,955	5	99,518	5	115,068	5	130,644	5	146,217
1/4	6,687	1/4	22,317	1/4	37,910	1/4	53,105	1/4	68,690	1/4	84,280	1/4	99,842	1/4	115,392	1/4	130,969	1/4	146,541
1/2	7,013	1/2	22,643	1/2	38,227	1/2	53,429	1/2	69,015	1/2	84,604	1/2	100,166	1/2	115,717	1/2	131,293	1/2	146,864
3/4	7,339	3/4	22,968	3/4	38,544	3/4	53,753	3/4	69,340	3/4	84,929	3/4	100,489	3/4	116,041	3/4	131,618	3/4	147,188
6	7,664	6	23,294	6	38,861	6	54,076	6	69,665	6	85,254	6	100,813	6	116,366	6	131,942	6	147,511
1/4	7,990	1/4	23,619	1/4	39,177	1/4	54,401	1/4	69,989	1/4	85,579	1/4	101,137	1/4	116,690	1/4	132,267	1/4	147,835
1/2	8,315	1/2	23,945	1/2	39,493	1/2	54,726	1/2	70,314	1/2	85,904	1/2	101,460	1/2	117,015	1/2	132,591	1/2	148,158
3/4	8,641	3/4	24,271	3/4	39,809	3/4	55,051	3/4	70,639	3/4	86,228	3/4	101,784	3/4	117,339	3/4	132,916	3/4	148,482
7	8,967	7	24,596	7	40,125	7	55,375	7	70,964	7	86,553	7	102,108	7	117,664	7	133,240	7	148,805
1/4	9,292	1/4	24,922	1/4	40,441	1/4	55,700	1/4	71,289	1/4	86,878	1/4	102,431	1/4	117,988	1/4	133,565	1/4	149,129
1/2	9,618	1/2	25,248	1/2	40,758	1/2	56,025	1/2	71,613	1/2	87,203	1/2	102,755	1/2	118,313	1/2	133,889	1/2	149,452
3/4	9,944	3/4	25,573	3/4	41,074	3/4	56,350	3/4	71,938	3/4	87,527	3/4	103,079	3/4	118,637	3/4	134,214	3/4	149,775
8	10,269	8	25,899	8	41,390	8	56,675	8	72,263	8	87,852	8	103,402	8	118,962	8	134,538	8	150,099
1/4	10,595	1/4	26,224	1/4	41,706	1/4	56,999	1/4	72,588	1/4	88,177	1/4	103,726	1/4	119,286	1/4	134,863	1/4	150,422
1/2	10,920	1/2	26,550	1/2	42,022	1/2	57,324	1/2	72,912	1/2	88,502	1/2	104,050	1/2	119,611	1/2	135,187	1/2	150,745
3/4	11,246	3/4	26,876	3/4	42,338	3/4	57,649	3/4	73,237	3/4	88,827	3/4	104,373	3/4	119,935	3/4	135,512	3/4	151,068
9	11,572	9	27,201	9	42,655	9	57,974	9	73,562	9	89,151	9	104,697	9	120,260	9	135,836	9	151,391
1/4	11,897	1/4	27,527	1/4	42,971	1/4	58,298	1/4	73,887	1/4	89,476	1/4	105,021	1/4	120,585	1/4	136,161	1/4	151,713
1/2	12,223	1/2	27,852	1/2	43,287	1/2	58,623	1/2	74,212	1/2	89,801	1/2	105,344	1/2	120,909	1/2	136,485	1/2	152,034
3/4	12,548	3/4	28,178	3/4	43,603	3/4	58,948	3/4	74,536	3/4	90,126	3/4	105,667	3/4	121,234	3/4	136,810	3/4	152,356
10	12,874	10	28,504	10	43,919	10	59,273	10	74,861	10	90,451	10	105,991	10	121,558	10	137,134	10	152,678
1/4	13,200	1/4	28,828	1/4	44,236	1/4	59,598	1/4	75,186	1/4	90,775	1/4	106,314	1/4	121,883	1/4	137,459	1/4	152,990
1/2	13,525	1/2	29,153	1/2	44,552	1/2	59,922	1/2	75,511	1/2	91,100	1/2	106,638	1/2	122,207	1/2	137,783	1/2	153,303
3/4	13,851	3/4	29,478	3/4	44,868	3/4	60,247	3/4	75,835	3/4	91,425	3/4	106,961	3/4	122,532	3/4	138,108	3/4	153,615
11	14,177	11	29,803	11	45,184	11	60,572	11	76,160	11	91,750	11	107,284	11	122,856	11	138,432	11	153,928
1/4	14,502	1/4	30,127	1/4	45,500	1/4	60,897	1/4	76,485	1/4	92,073	1/4	107,608	1/4	123,181	1/4	138,757	1/4	154,228
1/2	14,828	1/2	30,452	1/2	45,816	1/2	61,222	1/2	76,810	1/2	92,397	1/2	107,933	1/2	123,505	1/2	139,081	1/2	154,528
3/4	15,153	3/4	30,776	3/4	46,133	3/4	61,546	3/4	77,135	3/4	92,721	3/4	108,257	3/4	123,830	3/4	139,406	3/4	154,828

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 313"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	155,128	0	167,443	0	179,393	0	191,331	0	203,202	0		0		0		0		0	
1/4	155,416	1/4	167,693	1/4	179,641	1/4	191,580	1/4	203,441	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,703	1/2	167,943	1/2	179,890	1/2	191,828	1/2	203,681	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,991	3/4	168,193	3/4	180,139	3/4	192,077	3/4	203,920	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	156,278	1	168,443	1	180,388	1	192,326	1	204,160	1	1	1	1	1	1	1	1	1	1
1/4	156,553	1/4	168,693	1/4	180,636	1/4	192,575	1/4	204,369	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,828	1/2	168,943	1/2	180,885	1/2	192,823	1/2	204,577	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,103	3/4	169,193	3/4	181,134	3/4	193,072	3/4	204,786	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	157,378	2	169,443	2	181,382	2	193,321	2	204,995	2	2	2	2	2	2	2	2	2	2
1/4	157,641	1/4	169,692	1/4	181,631	1/4	193,569	1/4	205,163	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,903	1/2	169,941	1/2	181,880	1/2	193,818	1/2	205,331	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,166	3/4	170,190	3/4	182,129	3/4	194,067	3/4	205,499	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	158,428	3	170,439	3	182,377	3	194,316	3	205,667	3	3	3	3	3	3	3	3	3	3
1/4	158,681	1/4	170,688	1/4	182,626	1/4	194,564	1/4	205,793	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,934	1/2	170,936	1/2	182,875	1/2	194,813	1/2	205,919	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,186	3/4	171,185	3/4	183,123	3/4	195,062	3/4	206,045	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	159,439	4	171,434	4	183,372	4	195,311	4	195,311	4	4	4	4	4	4	4	4	4	4
1/4	159,689	1/4	171,683	1/4	183,621	1/4	195,559	1/4	195,559	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,940	1/2	171,931	1/2	183,870	1/2	195,808	1/2	195,808	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,190	3/4	172,180	3/4	184,118	3/4	196,057	3/4	196,057	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	160,440	5	172,429	5	184,367	5	196,305	5	196,305	5	5	5	5	5	5	5	5	5	5
1/4	160,690	1/4	172,677	1/4	184,616	1/4	196,554	1/4	196,554	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,940	1/2	172,926	1/2	184,864	1/2	196,803	1/2	196,803	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,191	3/4	173,175	3/4	185,113	3/4	197,052	3/4	197,052	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	161,441	6	173,424	6	185,362	6	197,300	6	197,300	6	6	6	6	6	6	6	6	6	6
1/4	161,691	1/4	173,672	1/4	185,611	1/4	197,549	1/4	197,549	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,941	1/2	173,921	1/2	185,859	1/2	197,798	1/2	197,798	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,191	3/4	174,170	3/4	186,108	3/4	198,046	3/4	198,046	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	162,441	7	174,418	7	186,357	7	198,295	7	198,295	7	7	7	7	7	7	7	7	7	7
1/4	162,691	1/4	174,667	1/4	186,605	1/4	198,541	1/4	198,541	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,941	1/2	174,916	1/2	186,854	1/2	198,788	1/2	198,788	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,191	3/4	175,165	3/4	187,103	3/4	199,034	3/4	199,034	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	163,441	8	175,413	8	187,352	8	199,281	8	199,281	8	8	8	8	8	8	8	8	8	8
1/4	163,691	1/4	175,662	1/4	187,600	1/4	199,526	1/4	199,526	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,942	1/2	175,911	1/2	187,849	1/2	199,772	1/2	199,772	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,192	3/4	176,159	3/4	188,098	3/4	200,018	3/4	200,018	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	164,442	9	176,408	9	188,346	9	200,264	9	200,264	9	9	9	9	9	9	9	9	9	9
1/4	164,692	1/4	176,657	1/4	188,595	1/4	200,509	1/4	200,509	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,942	1/2	176,906	1/2	188,844	1/2	200,755	1/2	200,755	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,192	3/4	177,154	3/4	189,093	3/4	201,000	3/4	201,000	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	165,442	10	177,403	10	189,341	10	201,246	10	201,246	10	10	10	10	10	10	10	10	10	10
1/4	165,692	1/4	177,652	1/4	189,590	1/4	201,491	1/4	201,491	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,942	1/2	177,900	1/2	189,839	1/2	201,736	1/2	201,736	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,192	3/4	178,149	3/4	190,087	3/4	201,981	3/4	201,981	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	166,442	11	178,398	11	190,336	11	202,226	11	202,226	11	11	11	11	11	11	11	11	11	11
1/4	166,692	1/4	178,647	1/4	190,585	1/4	202,470	1/4	202,470	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,943	1/2	178,895	1/2	190,834	1/2	202,714	1/2	202,714	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	167,193	3/4	179,144	3/4	191,082	3/4	202,958	3/4	202,958	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: 02/18/2013 CL
CALCULATED: 02/19/2013 CL
PRINTED: 02/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "CBC 313"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	611	0	15,474	0	31,091	0	46,241	0	61,526	0	77,109	0	92,690	0	108,221	0	123,790	0	139,361
1/4	804	1/4	15,800	1/4	31,416	1/4	46,550	1/4	61,851	1/4	77,434	1/4	93,014	1/4	108,545	1/4	124,114	1/4	139,685
1/2	997	1/2	16,125	1/2	31,740	1/2	46,860	1/2	62,175	1/2	77,759	1/2	93,337	1/2	108,870	1/2	124,439	1/2	140,010
3/4	1,190	3/4	16,451	3/4	32,065	3/4	47,169	3/4	62,500	3/4	78,083	3/4	93,661	3/4	109,194	3/4	124,763	3/4	140,334
1	1,384	1	16,776	1	32,389	1	47,478	1	62,825	1	78,408	1	93,984	1	109,518	1	125,087	1	140,658
1/4	1,658	1/4	17,102	1/4	32,714	1/4	47,787	1/4	63,149	1/4	78,733	1/4	94,308	1/4	109,842	1/4	125,412	1/4	140,983
1/2	1,933	1/2	17,427	1/2	33,038	1/2	48,097	1/2	63,474	1/2	79,058	1/2	94,632	1/2	110,166	1/2	125,736	1/2	141,307
3/4	2,208	3/4	17,753	3/4	33,363	3/4	48,407	3/4	63,799	3/4	79,382	3/4	94,955	3/4	110,490	3/4	126,061	3/4	141,632
2	2,482	2	18,078	2	33,687	2	48,716	2	64,123	2	79,707	2	95,279	2	110,814	2	126,385	2	141,956
1/4	2,801	1/4	18,404	1/4	34,012	1/4	49,026	1/4	64,448	1/4	80,032	1/4	95,602	1/4	111,139	1/4	126,709	1/4	142,280
1/2	3,120	1/2	18,729	1/2	34,336	1/2	49,336	1/2	64,773	1/2	80,356	1/2	95,926	1/2	111,463	1/2	127,034	1/2	142,605
3/4	3,439	3/4	19,055	3/4	34,661	3/4	49,647	3/4	65,097	3/4	80,681	3/4	96,249	3/4	111,787	3/4	127,358	3/4	142,929
3	3,758	3	19,380	3	34,985	3	49,957	3	65,422	3	81,006	3	96,573	3	112,111	3	127,683	3	143,253
1/4	4,083	1/4	19,706	1/4	35,310	1/4	50,268	1/4	65,747	1/4	81,330	1/4	96,897	1/4	112,435	1/4	128,007	1/4	143,578
1/2	4,408	1/2	20,031	1/2	35,634	1/2	50,578	1/2	66,071	1/2	81,655	1/2	97,220	1/2	112,760	1/2	128,332	1/2	143,902
3/4	4,733	3/4	20,357	3/4	35,959	3/4	50,889	3/4	66,396	3/4	81,980	3/4	97,544	3/4	113,084	3/4	128,656	3/4	144,227
4	5,058	4	20,682	4	36,283	4	51,199	4	66,720	4	82,304	4	97,867	4	113,409	4	128,980	4	144,551
1/4	5,384	1/4	21,008	1/4	36,607	1/4	51,510	1/4	67,045	1/4	82,629	1/4	98,191	1/4	113,733	1/4	129,305	1/4	144,875
1/2	5,709	1/2	21,334	1/2	36,931	1/2	51,821	1/2	67,369	1/2	82,954	1/2	98,514	1/2	114,057	1/2	129,629	1/2	145,198
3/4	6,034	3/4	21,659	3/4	37,255	3/4	52,131	3/4	67,694	3/4	83,278	3/4	98,838	3/4	114,382	3/4	129,954	3/4	145,522
5	6,360	5	21,985	5	37,579	5	52,442	5	68,019	5	83,603	5	99,162	5	114,706	5	130,278	5	145,846
1/4	6,685	1/4	22,310	1/4	37,889	1/4	52,765	1/4	68,343	1/4	83,928	1/4	99,485	1/4	115,031	1/4	130,602	1/4	146,169
1/2	7,011	1/2	22,636	1/2	38,200	1/2	53,088	1/2	68,668	1/2	84,252	1/2	99,809	1/2	115,355	1/2	130,927	1/2	146,493
3/4	7,336	3/4	22,961	3/4	38,511	3/4	53,411	3/4	68,992	3/4	84,577	3/4	100,132	3/4	115,679	3/4	131,251	3/4	146,816
6	7,662	6	23,287	6	38,821	6	53,734	6	69,317	6	84,902	6	100,456	6	116,004	6	131,576	6	147,140
1/4	7,987	1/4	23,612	1/4	39,131	1/4	54,058	1/4	69,642	1/4	85,226	1/4	100,779	1/4	116,328	1/4	131,900	1/4	147,463
1/2	8,313	1/2	23,938	1/2	39,440	1/2	54,383	1/2	69,967	1/2	85,551	1/2	101,103	1/2	116,653	1/2	132,224	1/2	147,787
3/4	8,638	3/4	24,263	3/4	39,749	3/4	54,708	3/4	70,291	3/4	85,876	3/4	101,427	3/4	116,977	3/4	132,549	3/4	148,110
7	8,964	7	24,589	7	40,058	7	55,032	7	70,616	7	86,200	7	101,750	7	117,302	7	132,873	7	148,433
1/4	9,289	1/4	24,914	1/4	40,367	1/4	55,357	1/4	70,941	1/4	86,525	1/4	102,074	1/4	117,626	1/4	133,198	1/4	148,757
1/2	9,615	1/2	25,240	1/2	40,676	1/2	55,682	1/2	71,265	1/2	86,850	1/2	102,397	1/2	117,950	1/2	133,522	1/2	149,080
3/4	9,940	3/4	25,565	3/4	40,985	3/4	56,006	3/4	71,590	3/4	87,174	3/4	102,721	3/4	118,275	3/4	133,846	3/4	149,403
8	10,266	8	25,891	8	41,294	8	56,331	8	71,915	8	87,499	8	103,044	8	118,599	8	134,171	8	149,726
1/4	10,591	1/4	26,216	1/4	41,604	1/4	56,656	1/4	72,239	1/4	87,824	1/4	103,368	1/4	118,924	1/4	134,495	1/4	150,049
1/2	10,917	1/2	26,542	1/2	41,913	1/2	56,981	1/2	72,564	1/2	88,149	1/2	103,692	1/2	119,248	1/2	134,820	1/2	150,372
3/4	11,242	3/4	26,867	3/4	42,222	3/4	57,305	3/4	72,889	3/4	88,473	3/4	104,015	3/4	119,572	3/4	135,144	3/4	150,695
9	11,568	9	27,193	9	42,531	9	57,630	9	73,213	9	88,798	9	104,339	9	119,897	9	135,468	9	151,018
1/4	11,894	1/4	27,518	1/4	42,840	1/4	57,955	1/4	73,538	1/4	89,123	1/4	104,662	1/4	120,221	1/4	135,793	1/4	151,340
1/2	12,219	1/2	27,844	1/2	43,149	1/2	58,279	1/2	73,863	1/2	89,447	1/2	104,985	1/2	120,546	1/2	136,117	1/2	151,661
3/4	12,545	3/4	28,169	3/4	43,459	3/4	58,604	3/4	74,187	3/4	89,772	3/4	105,309	3/4	120,870	3/4	136,441	3/4	151,983
10	12,870	10	28,495	10	43,768	10	58,929	10	74,512	10	90,097	10	105,632	10	121,194	10	136,766	10	152,305
1/4	13,196	1/4	28,820	1/4	44,077	1/4	59,253	1/4	74,837	1/4	90,421	1/4	105,955	1/4	121,519	1/4	137,090	1/4	152,617
1/2	13,521	1/2	29,144	1/2	44,386	1/2	59,578	1/2	75,161	1/2	90,746	1/2	106,279	1/2	121,843	1/2	137,415	1/2	152,929
3/4	13,847	3/4	29,469	3/4	44,695	3/4	59,903	3/4	75,486	3/4	91,071	3/4	106,602	3/4	122,168	3/4	137,739	3/4	153,242
11	14,172	11	29,793	11	45,004	11	60,227	11	75,811	11	91,395	11	106,925	11	122,492	11	138,063	11	153,554
1/4	14,498	1/4	30,118	1/4	45,314	1/4	60,552	1/4	76,135	1/4	91,719	1/4	107,249	1/4	122,817	1/4	138,388	1/4	153,854
1/2	14,823	1/2	30,442	1/2	45,623	1/2	60,877	1/2	76,460	1/2	92,043	1/2	107,573	1/2	123,141	1/2	138,712	1/2	154,154
3/4	15,149	3/4	30,767	3/4	45,932	3/4	61,201	3/4	76,785	3/4	92,366	3/4	107,897	3/4	123,465	3/4	139,037	3/4	154,454

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 313"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	154,754	0	167,065	0	179,011	0	190,946	0	202,813	0		0		0		0		0	
1/4	155,042	1/4	167,315	1/4	179,260	1/4	191,194	1/4	203,052	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,329	1/2	167,565	1/2	179,508	1/2	191,443	1/2	203,292	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,617	3/4	167,815	3/4	179,757	3/4	191,692	3/4	203,531	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	155,904	1	168,065	1	180,006	1	191,940	1	203,771	1	1	1	1	1	1	1	1	1	1
1/4	156,179	1/4	168,315	1/4	180,254	1/4	192,189	1/4	203,979	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,454	1/2	168,565	1/2	180,503	1/2	192,438	1/2	204,188	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,729	3/4	168,815	3/4	180,752	3/4	192,686	3/4	204,397	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	157,004	2	169,065	2	181,000	2	192,935	2	204,605	2	2	2	2	2	2	2	2	2	2
1/4	157,266	1/4	169,314	1/4	181,249	1/4	193,184	1/4	204,773	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,528	1/2	169,563	1/2	181,498	1/2	193,432	1/2	204,941	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,791	3/4	169,811	3/4	181,746	3/4	193,681	3/4	205,109	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	158,053	3	170,060	3	181,995	3	193,929	3	205,277	3	3	3	3	3	3	3	3	3	3
1/4	158,306	1/4	170,309	1/4	182,243	1/4	194,178	1/4	205,403	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,558	1/2	170,557	1/2	182,492	1/2	194,427	1/2	205,529	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	170,806	3/4	182,741	3/4	194,675	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	159,064	4	171,055	4	182,989	4	194,924	4		4	4	4	4	4	4	4	4	4	4
1/4	159,314	1/4	171,303	1/4	183,238	1/4	195,173	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,564	1/2	171,552	1/2	183,487	1/2	195,421	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,814	3/4	171,801	3/4	183,735	3/4	195,670	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	160,065	5	172,049	5	183,984	5	195,919	5		5	5	5	5	5	5	5	5	5	5
1/4	160,315	1/4	172,298	1/4	184,233	1/4	196,167	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,565	1/2	172,547	1/2	184,481	1/2	196,416	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,815	3/4	172,795	3/4	184,730	3/4	196,665	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	161,065	6	173,044	6	184,978	6	196,913	6		6	6	6	6	6	6	6	6	6	6
1/4	161,315	1/4	173,292	1/4	185,227	1/4	197,162	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,565	1/2	173,541	1/2	185,476	1/2	197,410	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,815	3/4	173,790	3/4	185,724	3/4	197,659	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	162,065	7	174,038	7	185,973	7	197,908	7		7	7	7	7	7	7	7	7	7	7
1/4	162,315	1/4	174,287	1/4	186,222	1/4	198,154	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,565	1/2	174,536	1/2	186,470	1/2	198,400	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,815	3/4	174,784	3/4	186,719	3/4	198,647	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	163,065	8	175,033	8	186,968	8	198,893	8		8	8	8	8	8	8	8	8	8	8
1/4	163,315	1/4	175,282	1/4	187,216	1/4	199,139	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,565	1/2	175,530	1/2	187,465	1/2	199,384	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,815	3/4	175,779	3/4	187,714	3/4	199,630	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	164,065	9	176,027	9	187,962	9	199,876	9		9	9	9	9	9	9	9	9	9	9
1/4	164,315	1/4	176,276	1/4	188,211	1/4	200,121	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,565	1/2	176,525	1/2	188,459	1/2	200,367	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,815	3/4	176,773	3/4	188,708	3/4	200,612	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	165,065	10	177,022	10	188,957	10	200,858	10		10	10	10	10	10	10	10	10	10	10
1/4	165,315	1/4	177,271	1/4	189,205	1/4	201,103	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,565	1/2	177,519	1/2	189,454	1/2	201,347	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,815	3/4	177,768	3/4	189,703	3/4	201,592	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	166,065	11	178,017	11	189,951	11	201,837	11		11	11	11	11	11	11	11	11	11	11
1/4	166,315	1/4	178,265	1/4	190,200	1/4	202,081	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,565	1/2	178,514	1/2	190,449	1/2	202,325	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,815	3/4	178,763	3/4	190,697	3/4	202,569	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: 02/18/2013 CL
CALCULATED: 02/19/2013 CL
PRINTED: 02/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 313"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	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: 02/18/2013 CL
CALCULATED: 02/19/2013 CL
PRINTED: 02/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "CBC 313"

ULLAGE TRIM TABLE

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

(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 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 238'-03"

February 18, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

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BARGE "CBC 313"

1 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		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	206,176	0	190,579	0	174,983	0	159,314	0	143,629	0	127,944	0	112,256
1/4	1/4	1/4	1/4	1/4	1/4	1/4	205,851	1/4	190,254	1/4	174,658	1/4	158,987	1/4	143,303	1/4	127,617	1/4	111,929
1/2	1/2	1/2	1/2	1/2	1/2	1/2	205,526	1/2	189,930	1/2	174,333	1/2	158,660	1/2	142,976	1/2	127,291	1/2	111,603
3/4	3/4	3/4	3/4	3/4	3/4	3/4	219,712	3/4	205,201	3/4	189,605	3/4	174,008	3/4	158,334	3/4	142,649	3/4	111,276
1		1		1		1	219,547	1	204,877	1	189,280	1	173,683	1	158,007	1	142,322	1	126,637
1/4	1/4	1/4	1/4	1/4	1/4	1/4	219,382	1/4	204,552	1/4	188,955	1/4	173,358	1/4	157,680	1/4	141,996	1/4	126,310
1/2	1/2	1/2	1/2	1/2	1/2	1/2	219,163	1/2	204,227	1/2	188,630	1/2	173,033	1/2	157,353	1/2	141,669	1/2	125,983
3/4	3/4	3/4	3/4	3/4	3/4	3/4	218,943	3/4	203,902	3/4	188,305	3/4	172,708	3/4	157,027	3/4	141,342	3/4	125,656
2		2		2		2	218,724	2	203,577	2	187,980	2	172,382	2	156,700	2	141,015	2	125,330
1/4	1/4	1/4	1/4	1/4	1/4	1/4	218,504	1/4	203,252	1/4	187,655	1/4	172,057	1/4	156,373	1/4	140,689	1/4	125,003
1/2	1/2	1/2	1/2	1/2	1/2	1/2	218,232	1/2	202,927	1/2	187,330	1/2	171,731	1/2	156,046	1/2	140,362	1/2	124,676
3/4	3/4	3/4	3/4	3/4	3/4	3/4	217,959	3/4	202,602	3/4	187,005	3/4	171,404	3/4	155,719	3/4	140,035	3/4	124,349
3		3		3		3	217,686	3	202,277	3	186,680	3	171,077	3	155,393	3	139,708	3	124,022
1/4	1/4	1/4	1/4	1/4	1/4	1/4	217,413	1/4	201,952	1/4	186,355	1/4	170,750	1/4	155,066	1/4	139,382	1/4	123,695
1/2	1/2	1/2	1/2	1/2	1/2	1/2	217,100	1/2	201,627	1/2	186,030	1/2	170,424	1/2	154,739	1/2	139,055	1/2	123,369
3/4	3/4	3/4	3/4	3/4	3/4	3/4	216,787	3/4	201,302	3/4	185,705	3/4	170,097	3/4	154,412	3/4	138,728	3/4	123,042
4		4		4		4	216,474	4	200,977	4	185,380	4	169,770	4	154,086	4	138,401	4	122,715
1/4	1/4	1/4	1/4	1/4	1/4	1/4	216,161	1/4	200,652	1/4	185,056	1/4	169,443	1/4	153,759	1/4	138,075	1/4	122,388
1/2	1/2	1/2	1/2	1/2	1/2	1/2	215,843	1/2	200,327	1/2	184,731	1/2	169,116	1/2	153,432	1/2	137,748	1/2	122,061
3/4	3/4	3/4	3/4	3/4	3/4	3/4	215,524	3/4	200,002	3/4	184,406	3/4	168,790	3/4	153,105	3/4	137,421	3/4	121,734
5		5		5		5	215,205	5	199,678	5	184,081	5	168,463	5	152,779	5	137,094	5	121,408
1/4	1/4	1/4	1/4	1/4	1/4	1/4	214,886	1/4	199,353	1/4	183,756	1/4	168,136	1/4	152,452	1/4	136,768	1/4	121,081
1/2	1/2	1/2	1/2	1/2	1/2	1/2	214,566	1/2	199,028	1/2	183,431	1/2	167,809	1/2	152,125	1/2	136,441	1/2	120,754
3/4	3/4	3/4	3/4	3/4	3/4	3/4	214,246	3/4	198,703	3/4	183,106	3/4	167,483	3/4	151,798	3/4	136,114	3/4	120,427
6		6		6		6	213,926	6	198,378	6	182,781	6	167,156	6	151,472	6	135,787	6	120,100
1/4	1/4	1/4	1/4	1/4	1/4	1/4	213,606	1/4	198,053	1/4	182,456	1/4	166,829	1/4	151,145	1/4	135,461	1/4	119,773
1/2	1/2	1/2	1/2	1/2	1/2	1/2	213,285	1/2	197,728	1/2	182,131	1/2	166,502	1/2	150,818	1/2	135,134	1/2	119,447
3/4	3/4	3/4	3/4	3/4	3/4	3/4	212,964	3/4	197,403	3/4	181,806	3/4	166,176	3/4	150,491	3/4	134,807	3/4	119,120
7		7		7		7	212,644	7	197,078	7	181,481	7	165,849	7	150,165	7	134,480	7	118,793
1/4	1/4	1/4	1/4	1/4	1/4	1/4	212,323	1/4	196,753	1/4	181,156	1/4	165,522	1/4	149,838	1/4	134,154	1/4	118,466
1/2	1/2	1/2	1/2	1/2	1/2	1/2	212,002	1/2	196,428	1/2	180,831	1/2	165,195	1/2	149,511	1/2	133,827	1/2	118,139
3/4	3/4	3/4	3/4	3/4	3/4	3/4	211,680	3/4	196,103	3/4	180,506	3/4	164,869	3/4	149,184	3/4	133,500	3/4	117,812
8		8		8		8	211,359	8	195,778	8	180,182	8	164,542	8	148,858	8	133,173	8	117,486
1/4	1/4	1/4	1/4	1/4	1/4	1/4	211,038	1/4	195,453	1/4	179,857	1/4	164,215	1/4	148,531	1/4	132,847	1/4	117,159
1/2	1/2	1/2	1/2	1/2	1/2	1/2	210,716	1/2	195,128	1/2	179,532	1/2	163,888	1/2	148,204	1/2	132,520	1/2	116,832
3/4	3/4	3/4	3/4	3/4	3/4	3/4	210,394	3/4	194,804	3/4	179,207	3/4	163,562	3/4	147,877	3/4	132,193	3/4	116,505
9		9		9		9	210,072	9	194,479	9	178,882	9	163,235	9	147,551	9	131,866	9	116,178
1/4	1/4	1/4	1/4	1/4	1/4	1/4	209,751	1/4	194,154	1/4	178,557	1/4	162,908	1/4	147,224	1/4	131,539	1/4	115,851
1/2	1/2	1/2	1/2	1/2	1/2	1/2	209,426	1/2	193,829	1/2	178,232	1/2	162,581	1/2	146,897	1/2	131,213	1/2	115,525
3/4	3/4	3/4	3/4	3/4	3/4	3/4	209,101	3/4	193,504	3/4	177,907	3/4	162,255	3/4	146,570	3/4	130,886	3/4	115,198
10		10		10		10	208,776	10	193,179	10	177,582	10	161,928	10	146,244	10	130,559	10	114,871
1/4	1/4	1/4	1/4	1/4	1/4	1/4	208,451	1/4	192,854	1/4	177,257	1/4	161,601	1/4	145,917	1/4	130,232	1/4	114,544
1/2	1/2	1/2	1/2	1/2	1/2	1/2	208,126	1/2	192,529	1/2	176,932	1/2	161,274	1/2	145,590	1/2	129,905	1/2	114,217
3/4	3/4	3/4	3/4	3/4	3/4	3/4	207,801	3/4	192,204	3/4	176,607	3/4	160,948	3/4	145,263	3/4	129,578	3/4	113,890
11		11		11		11	207,476	11	191,879	11	176,282	11	160,621	11	144,937	11	129,252	11	113,564
1/4	1/4	1/4	1/4	1/4	1/4	1/4	207,151	1/4	191,554	1/4	175,957	1/4	160,294	1/4	144,610	1/4	128,925	1/4	113,237
1/2	1/2	1/2	1/2	1/2	1/2	1/2	206,826	1/2	191,229	1/2	175,632	1/2	159,967	1/2	144,283	1/2	128,598	1/2	112,910
3/4	3/4	3/4	3/4	3/4	3/4	3/4	206,501	3/4	190,904	3/4	175,308	3/4	159,641	3/4	143,956	3/4	128,271	3/4	112,583

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
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BARGE "CBC 313"

1 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	96,568	0	80,880	0	65,192	0	49,504	0	33,913	0	18,414	0	4,360	0		0		0	
1/4	96,241	1/4	80,553	1/4	64,865	1/4	49,177	1/4	33,589	1/4	18,100	1/4	4,087	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,915	1/2	80,227	1/2	64,539	1/2	48,851	1/2	33,264	1/2	17,790	1/2	3,817	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,588	3/4	79,900	3/4	64,212	3/4	48,524	3/4	32,938	3/4	17,479	3/4	3,548	3/4	3/4	3/4	3/4	3/4	3/4
1	95,261	1	79,573	1	63,885	1	48,197	1	32,613	1	17,168	1	3,279	1	1	1	1	1	1
1/4	94,934	1/4	79,246	1/4	63,558	1/4	47,870	1/4	32,288	1/4	16,858	1/4	3,010	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,607	1/2	78,919	1/2	63,231	1/2	47,544	1/2	31,961	1/2	16,550	1/2	2,750	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,280	3/4	78,592	3/4	62,904	3/4	47,217	3/4	31,635	3/4	16,243	3/4	2,490	3/4	3/4	3/4	3/4	3/4	3/4
2	93,954	2	78,266	2	62,577	2	46,891	2	31,308	2	15,936	2	2,230	2	2	2	2	2	2
1/4	93,627	1/4	77,939	1/4	62,251	1/4	46,564	1/4	30,981	1/4	15,629	1/4	1,970	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,300	1/2	77,612	1/2	61,924	1/2	46,238	1/2	30,654	1/2	15,325	1/2	1,758	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,973	3/4	77,285	3/4	61,597	3/4	45,912	3/4	30,327	3/4	15,021	3/4	1,546	3/4	3/4	3/4	3/4	3/4	3/4
3	92,646	3	76,958	3	61,270	3	45,586	3	30,001	3	14,717	3	1,334	3	3	3	3	3	3
1/4	92,319	1/4	76,631	1/4	60,943	1/4	45,260	1/4	29,674	1/4	14,413	1/4	1,122	1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,993	1/2	76,305	1/2	60,616	1/2	44,936	1/2	29,347	1/2	14,113	1/2	987	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,666	3/4	75,978	3/4	60,290	3/4	44,611	3/4	29,020	3/4	13,812	3/4	853	3/4	3/4	3/4	3/4	3/4	3/4
4	91,339	4	75,651	4	59,963	4	44,287	4	28,693	4	13,512	4	718	4	4	4	4	4	4
1/4	91,012	1/4	75,324	1/4	59,636	1/4	43,963	1/4	28,366	1/4	13,211	1/4	584	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,685	1/2	74,997	1/2	59,309	1/2	43,639	1/2	28,040	1/2	12,914	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,358	3/4	74,670	3/4	58,982	3/4	43,315	3/4	27,713	3/4	12,617	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	90,032	5	74,344	5	58,655	5	42,991	5	27,386	5	12,320	5	5	5	5	5	5	5	5
1/4	89,705	1/4	74,017	1/4	58,329	1/4	42,667	1/4	27,059	1/4	12,023	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,378	1/2	73,690	1/2	58,002	1/2	42,343	1/2	26,732	1/2	11,729	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,051	3/4	73,363	3/4	57,675	3/4	42,019	3/4	26,405	3/4	11,436	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	88,724	6	73,036	6	57,348	6	41,695	6	26,079	6	11,142	6	6	6	6	6	6	6	6
1/4	88,397	1/4	72,709	1/4	57,021	1/4	41,370	1/4	25,752	1/4	10,848	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,071	1/2	72,383	1/2	56,694	1/2	41,046	1/2	25,426	1/2	10,558	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,744	3/4	72,056	3/4	56,368	3/4	40,722	3/4	25,100	3/4	10,268	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	87,417	7	71,729	7	56,041	7	40,398	7	24,775	7	9,978	7	7	7	7	7	7	7	7
1/4	87,090	1/4	71,402	1/4	55,714	1/4	40,074	1/4	24,449	1/4	9,687	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,763	1/2	71,075	1/2	55,387	1/2	39,750	1/2	24,131	1/2	9,400	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,436	3/4	70,748	3/4	55,060	3/4	39,426	3/4	23,813	3/4	9,114	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	86,110	8	70,422	8	54,733	8	39,102	8	23,495	8	8,827	8	8	8	8	8	8	8	8
1/4	85,783	1/4	70,095	1/4	54,407	1/4	38,778	1/4	23,177	1/4	8,540	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,456	1/2	69,768	1/2	54,080	1/2	38,453	1/2	22,860	1/2	8,256	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,129	3/4	69,441	3/4	53,753	3/4	38,129	3/4	22,543	3/4	7,973	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	84,802	9	69,114	9	53,426	9	37,805	9	22,227	9	7,689	9	9	9	9	9	9	9	9
1/4	84,475	1/4	68,787	1/4	53,099	1/4	37,481	1/4	21,910	1/4	7,406	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,149	1/2	68,461	1/2	52,772	1/2	37,157	1/2	21,589	1/2	7,126	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,822	3/4	68,134	3/4	52,446	3/4	36,833	3/4	21,268	3/4	6,846	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	83,495	10	67,807	10	52,119	10	36,509	10	20,947	10	6,566	10	10	10	10	10	10	10	10
1/4	83,168	1/4	67,480	1/4	51,792	1/4	36,185	1/4	20,627	1/4	6,286	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,841	1/2	67,153	1/2	51,465	1/2	35,860	1/2	20,309	1/2	6,009	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,514	3/4	66,826	3/4	51,138	3/4	35,536	3/4	19,992	3/4	5,732	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	82,188	11	66,500	11	50,811	11	35,212	11	19,674	11	5,456	11	11	11	11	11	11	11	11
1/4	81,861	1/4	66,173	1/4	50,485	1/4	34,888	1/4	19,357	1/4	5,179	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,534	1/2	65,846	1/2	50,158	1/2	34,563	1/2	19,043	1/2	4,906	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,207	3/4	65,519	3/4	49,831	3/4	34,238	3/4	18,728	3/4	4,633	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/18/2013 CL
CALCULATED: 02/19/2013 CL
PRINTED: 02/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 313"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	206,059	0	190,452	0	174,844	0	159,162	0	143,466	0	127,770	0	112,071
1/4	1/4	1/4		1/4		1/4	205,734	1/4	190,126	1/4	174,518	1/4	158,835	1/4	143,139	1/4	127,443	1/4	111,744
1/2	1/2	1/2		1/2		1/2	219,930	1/2	205,409	1/2	189,801	1/2	174,193	1/2	158,508	1/2	142,812	1/2	127,116
3/4	3/4	3/4		3/4		3/4	219,765	3/4	205,084	3/4	189,476	3/4	173,868	3/4	158,181	3/4	142,485	3/4	126,789
1		1		1		1	219,600	1	204,759	1	189,151	1	173,543	1	157,854	1	142,158	1	126,462
1/4	1/4	1/4		1/4		1/4	219,380	1/4	204,434	1/4	188,826	1/4	173,218	1/4	157,527	1/4	141,831	1/4	126,135
1/2	1/2	1/2		1/2		1/2	219,161	1/2	204,108	1/2	188,501	1/2	172,892	1/2	157,200	1/2	141,504	1/2	125,807
3/4	3/4	3/4		3/4		3/4	218,941	3/4	203,783	3/4	188,175	3/4	172,567	3/4	156,873	3/4	141,177	3/4	125,480
2		2		2		2	218,722	2	203,458	2	187,850	2	172,241	2	156,546	2	140,850	2	125,153
1/4	1/4	1/4		1/4		1/4	218,449	1/4	203,133	1/4	187,525	1/4	171,914	1/4	156,219	1/4	140,523	1/4	124,826
1/2	1/2	1/2		1/2		1/2	218,176	1/2	202,808	1/2	187,200	1/2	171,587	1/2	155,892	1/2	140,196	1/2	124,499
3/4	3/4	3/4		3/4		3/4	217,903	3/4	202,483	3/4	186,875	3/4	171,260	3/4	155,565	3/4	139,869	3/4	124,172
3		3		3		3	217,630	3	202,157	3	186,550	3	170,933	3	155,238	3	139,542	3	123,845
1/4	1/4	1/4		1/4		1/4	217,317	1/4	201,832	1/4	186,224	1/4	170,606	1/4	154,911	1/4	139,215	1/4	123,518
1/2	1/2	1/2		1/2		1/2	217,003	1/2	201,507	1/2	185,899	1/2	170,279	1/2	154,584	1/2	138,888	1/2	123,191
3/4	3/4	3/4		3/4		3/4	216,690	3/4	201,182	3/4	185,574	3/4	169,952	3/4	154,257	3/4	138,561	3/4	122,864
4		4		4		4	216,377	4	200,857	4	185,249	4	169,625	4	153,930	4	138,235	4	122,537
1/4	1/4	1/4		1/4		1/4	216,058	1/4	200,532	1/4	184,924	1/4	169,298	1/4	153,603	1/4	137,908	1/4	122,210
1/2	1/2	1/2		1/2		1/2	215,739	1/2	200,206	1/2	184,599	1/2	168,971	1/2	153,276	1/2	137,581	1/2	121,883
3/4	3/4	3/4		3/4		3/4	215,420	3/4	199,881	3/4	184,273	3/4	168,644	3/4	152,949	3/4	137,254	3/4	121,556
5		5		5		5	215,101	5	199,556	5	183,948	5	168,318	5	152,622	5	136,927	5	121,229
1/4	1/4	1/4		1/4		1/4	214,780	1/4	199,231	1/4	183,623	1/4	167,991	1/4	152,295	1/4	136,600	1/4	120,901
1/2	1/2	1/2		1/2		1/2	214,460	1/2	198,906	1/2	183,298	1/2	167,664	1/2	151,968	1/2	136,273	1/2	120,574
3/4	3/4	3/4		3/4		3/4	214,140	3/4	198,581	3/4	182,973	3/4	167,337	3/4	151,641	3/4	135,946	3/4	120,247
6		6		6		6	213,820	6	198,255	6	182,648	6	167,010	6	151,314	6	135,619	6	119,920
1/4	1/4	1/4		1/4		1/4	213,499	1/4	197,930	1/4	182,322	1/4	166,683	1/4	150,987	1/4	135,292	1/4	119,593
1/2	1/2	1/2		1/2		1/2	213,178	1/2	197,605	1/2	181,997	1/2	166,356	1/2	150,660	1/2	134,965	1/2	119,266
3/4	3/4	3/4		3/4		3/4	212,857	3/4	197,280	3/4	181,672	3/4	166,029	3/4	150,333	3/4	134,638	3/4	118,939
7		7		7		7	212,536	7	196,955	7	181,347	7	165,702	7	150,006	7	134,311	7	118,612
1/4	1/4	1/4		1/4		1/4	212,214	1/4	196,630	1/4	181,022	1/4	165,375	1/4	149,679	1/4	133,984	1/4	118,285
1/2	1/2	1/2		1/2		1/2	211,893	1/2	196,305	1/2	180,697	1/2	165,048	1/2	149,352	1/2	133,657	1/2	117,958
3/4	3/4	3/4		3/4		3/4	211,571	3/4	195,979	3/4	180,371	3/4	164,721	3/4	149,025	3/4	133,330	3/4	117,631
8		8		8		8	211,250	8	195,654	8	180,046	8	164,394	8	148,698	8	133,003	8	117,304
1/4	1/4	1/4		1/4		1/4	210,928	1/4	195,329	1/4	179,721	1/4	164,067	1/4	148,371	1/4	132,676	1/4	116,977
1/2	1/2	1/2		1/2		1/2	210,606	1/2	195,004	1/2	179,396	1/2	163,740	1/2	148,044	1/2	132,349	1/2	116,650
3/4	3/4	3/4		3/4		3/4	210,284	3/4	194,679	3/4	179,071	3/4	163,413	3/4	147,717	3/4	132,022	3/4	116,323
9		9		9		9	209,961	9	194,354	9	178,746	9	163,086	9	147,390	9	131,695	9	115,995
1/4	1/4	1/4		1/4		1/4	209,636	1/4	194,028	1/4	178,420	1/4	162,759	1/4	147,063	1/4	131,368	1/4	115,668
1/2	1/2	1/2		1/2		1/2	209,311	1/2	193,703	1/2	178,095	1/2	162,432	1/2	146,736	1/2	131,041	1/2	115,341
3/4	3/4	3/4		3/4		3/4	208,986	3/4	193,378	3/4	177,770	3/4	162,105	3/4	146,409	3/4	130,713	3/4	115,014
10		10		10		10	208,661	10	193,053	10	177,445	10	161,778	10	146,082	10	130,386	10	114,687
1/4	1/4	1/4		1/4		1/4	208,336	1/4	192,728	1/4	177,120	1/4	161,451	1/4	145,755	1/4	130,059	1/4	114,360
1/2	1/2	1/2		1/2		1/2	208,010	1/2	192,403	1/2	176,795	1/2	161,124	1/2	145,428	1/2	129,732	1/2	114,033
3/4	3/4	3/4		3/4		3/4	207,685	3/4	192,077	3/4	176,469	3/4	160,797	3/4	145,101	3/4	129,405	3/4	113,706
11		11		11		11	207,360	11	191,752	11	176,144	11	160,470	11	144,774	11	129,078	11	113,379
1/4	1/4	1/4		1/4		1/4	207,035	1/4	191,427	1/4	175,819	1/4	160,143	1/4	144,447	1/4	128,751	1/4	113,052
1/2	1/2	1/2		1/2		1/2	206,710	1/2	191,102	1/2	175,494	1/2	159,816	1/2	144,120	1/2	128,424	1/2	112,725
3/4	3/4	3/4		3/4		3/4	206,385	3/4	190,777	3/4	175,169	3/4	159,489	3/4	143,793	3/4	128,097	3/4	112,398

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.
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 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBC 313"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	96,371	0	80,672	0	64,973	0	49,274	0	33,614	0	18,113	0	4,090	0		0		0	
1/4	96,044	1/4	80,345	1/4	64,646	1/4	48,947	1/4	33,288	1/4	17,803	1/4	3,820	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,717	1/2	80,018	1/2	64,319	1/2	48,620	1/2	32,961	1/2	17,492	1/2	3,551	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,390	3/4	79,691	3/4	63,992	3/4	48,293	3/4	32,635	3/4	17,181	3/4	3,282	3/4	3/4	3/4	3/4	3/4	3/4
1	95,063	1	79,364	1	63,665	1	47,966	1	32,308	1	16,870	1	3,012	1	1	1	1	1	1
1/4	94,736	1/4	79,037	1/4	63,338	1/4	47,639	1/4	31,981	1/4	16,562	1/4	2,752	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,409	1/2	78,710	1/2	63,011	1/2	47,312	1/2	31,655	1/2	16,255	1/2	2,492	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,082	3/4	78,383	3/4	62,684	3/4	46,986	3/4	31,328	3/4	15,947	3/4	2,232	3/4	3/4	3/4	3/4	3/4	3/4
2	93,755	2	78,056	2	62,356	2	46,659	2	31,002	2	15,640	2	1,971	2	2	2	2	2	2
1/4	93,428	1/4	77,729	1/4	62,029	1/4	46,332	1/4	30,675	1/4	15,336	1/4	1,759	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,101	1/2	77,402	1/2	61,702	1/2	46,006	1/2	30,348	1/2	15,032	1/2	1,547	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,774	3/4	77,074	3/4	61,375	3/4	45,679	3/4	30,022	3/4	14,728	3/4	1,335	3/4	3/4	3/4	3/4	3/4	3/4
3	92,447	3	76,747	3	61,048	3	45,352	3	29,695	3	14,424	3	1,123	3	3	3	3	3	3
1/4	92,120	1/4	76,420	1/4	60,721	1/4	45,026	1/4	29,368	1/4	14,123	1/4	988	1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,793	1/2	76,093	1/2	60,394	1/2	44,700	1/2	29,041	1/2	13,822	1/2	854	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,465	3/4	75,766	3/4	60,067	3/4	44,373	3/4	28,714	3/4	13,522	3/4	719	3/4	3/4	3/4	3/4	3/4	3/4
4	91,138	4	75,439	4	59,740	4	44,047	4	28,387	4	13,221	4	584	4	4	4	4	4	4
1/4	90,811	1/4	75,112	1/4	59,413	1/4	43,721	1/4	28,060	1/4	12,924	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,484	1/2	74,785	1/2	59,086	1/2	43,394	1/2	27,733	1/2	12,626	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,157	3/4	74,458	3/4	58,759	3/4	43,068	3/4	27,406	3/4	12,329	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	89,830	5	74,131	5	58,432	5	42,742	5	27,079	5	12,032	5	5	5	5	5	5	5	5
1/4	89,503	1/4	73,804	1/4	58,105	1/4	42,416	1/4	26,751	1/4	11,738	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,176	1/2	73,477	1/2	57,778	1/2	42,090	1/2	26,424	1/2	11,444	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,849	3/4	73,150	3/4	57,450	3/4	41,764	3/4	26,097	3/4	11,150	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	88,522	6	72,823	6	57,123	6	41,438	6	25,770	6	10,856	6	6	6	6	6	6	6	6
1/4	88,195	1/4	72,496	1/4	56,796	1/4	41,113	1/4	25,444	1/4	10,566	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,868	1/2	72,168	1/2	56,469	1/2	40,787	1/2	25,118	1/2	10,275	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,541	3/4	71,841	3/4	56,142	3/4	40,461	3/4	24,792	3/4	9,985	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	87,214	7	71,514	7	55,815	7	40,135	7	24,466	7	9,695	7	7	7	7	7	7	7	7
1/4	86,887	1/4	71,187	1/4	55,488	1/4	39,809	1/4	24,148	1/4	9,407	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,559	1/2	70,860	1/2	55,161	1/2	39,483	1/2	23,830	1/2	9,120	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,232	3/4	70,533	3/4	54,834	3/4	39,157	3/4	23,512	3/4	8,833	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	85,905	8	70,206	8	54,507	8	38,831	8	23,194	8	8,546	8	8	8	8	8	8	8	8
1/4	85,578	1/4	69,879	1/4	54,180	1/4	38,506	1/4	22,877	1/4	8,263	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,251	1/2	69,552	1/2	53,853	1/2	38,180	1/2	22,560	1/2	7,979	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,924	3/4	69,225	3/4	53,526	3/4	37,854	3/4	22,243	3/4	7,695	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	84,597	9	68,898	9	53,199	9	37,528	9	21,926	9	7,412	9	9	9	9	9	9	9	9
1/4	84,270	1/4	68,571	1/4	52,872	1/4	37,202	1/4	21,605	1/4	7,131	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,943	1/2	68,244	1/2	52,544	1/2	36,876	1/2	21,284	1/2	6,851	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,616	3/4	67,917	3/4	52,217	3/4	36,550	3/4	20,963	3/4	6,571	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	83,289	10	67,590	10	51,890	10	36,224	10	20,641	10	6,291	10	10	10	10	10	10	10	10
1/4	82,962	1/4	67,262	1/4	51,563	1/4	35,899	1/4	20,324	1/4	6,014	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,635	1/2	66,935	1/2	51,236	1/2	35,573	1/2	20,006	1/2	5,737	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,308	3/4	66,608	3/4	50,909	3/4	35,247	3/4	19,688	3/4	5,460	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	81,980	11	66,281	11	50,582	11	34,921	11	19,371	11	5,183	11	11	11	11	11	11	11	11
1/4	81,653	1/4	65,954	1/4	50,255	1/4	34,594	1/4	19,056	1/4	4,910	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,326	1/2	65,627	1/2	49,928	1/2	34,267	1/2	18,742	1/2	4,637	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,999	3/4	65,300	3/4	49,601	3/4	33,941	3/4	18,428	3/4	4,363	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/18/2013 CL
CALCULATED: 02/19/2013 CL
PRINTED: 02/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "CBC 313"

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		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	201,868	0	186,796	0	171,725	0	156,582	0	141,423	0	126,264	0	111,101
1/4	1/4	1/4	1/4	1/4	1/4	1/4	201,554	1/4	186,482	1/4	171,411	1/4	156,266	1/4	141,108	1/4	125,948	1/4	110,785
1/2	1/2	1/2	1/2	1/2	1/2	1/2	201,240	1/2	186,169	1/2	171,097	1/2	155,950	1/2	140,792	1/2	125,632	1/2	110,469
3/4	3/4	3/4	3/4	3/4	3/4	3/4	214,943	3/4	200,926	3/4	185,855	3/4	170,783	3/4	155,635	3/4	140,476	3/4	125,316
1		1		1		1	214,784	1	200,612	1	185,541	1	170,469	1	155,319	1	140,160	1	125,000
1/4	1/4	1/4	1/4	1/4	1/4	1/4	214,625	1/4	200,298	1/4	185,227	1/4	170,155	1/4	155,003	1/4	139,844	1/4	124,684
1/2	1/2	1/2	1/2	1/2	1/2	1/2	214,413	1/2	199,984	1/2	184,913	1/2	169,841	1/2	154,687	1/2	139,529	1/2	124,368
3/4	3/4	3/4	3/4	3/4	3/4	3/4	214,201	3/4	199,670	3/4	184,599	3/4	169,527	3/4	154,371	3/4	139,213	3/4	124,053
2		2		2		2	213,989	2	199,356	2	184,285	2	169,213	2	154,056	2	138,897	2	123,737
1/4	1/4	1/4	1/4	1/4	1/4	1/4	213,777	1/4	199,042	1/4	183,971	1/4	168,899	1/4	153,740	1/4	138,581	1/4	123,421
1/2	1/2	1/2	1/2	1/2	1/2	1/2	213,514	1/2	198,728	1/2	183,657	1/2	168,583	1/2	153,424	1/2	138,265	1/2	123,105
3/4	3/4	3/4	3/4	3/4	3/4	3/4	213,250	3/4	198,414	3/4	183,343	3/4	168,267	3/4	153,108	3/4	137,949	3/4	122,789
3		3		3		3	212,987	3	198,100	3	183,029	3	167,951	3	152,792	3	137,634	3	122,473
1/4	1/4	1/4	1/4	1/4	1/4	1/4	212,723	1/4	197,786	1/4	182,715	1/4	167,635	1/4	152,477	1/4	137,318	1/4	122,157
1/2	1/2	1/2	1/2	1/2	1/2	1/2	212,421	1/2	197,472	1/2	182,401	1/2	167,320	1/2	152,161	1/2	137,002	1/2	121,841
3/4	3/4	3/4	3/4	3/4	3/4	3/4	212,119	3/4	197,158	3/4	182,087	3/4	167,004	3/4	151,845	3/4	136,686	3/4	121,525
4		4		4		4	211,816	4	196,844	4	181,773	4	166,688	4	151,529	4	136,370	4	121,210
1/4	1/4	1/4	1/4	1/4	1/4	1/4	211,514	1/4	196,530	1/4	181,459	1/4	166,372	1/4	151,213	1/4	136,055	1/4	120,894
1/2	1/2	1/2	1/2	1/2	1/2	1/2	211,206	1/2	196,216	1/2	181,145	1/2	166,056	1/2	150,898	1/2	135,739	1/2	120,578
3/4	3/4	3/4	3/4	3/4	3/4	3/4	210,898	3/4	195,902	3/4	180,831	3/4	165,741	3/4	150,582	3/4	135,423	3/4	120,262
5		5		5		5	210,590	5	195,588	5	180,517	5	165,425	5	150,266	5	135,107	5	119,946
1/4	1/4	1/4	1/4	1/4	1/4	1/4	210,282	1/4	195,274	1/4	180,203	1/4	165,109	1/4	149,950	1/4	134,791	1/4	119,630
1/2	1/2	1/2	1/2	1/2	1/2	1/2	209,973	1/2	194,960	1/2	179,889	1/2	164,793	1/2	149,634	1/2	134,476	1/2	119,314
3/4	3/4	3/4	3/4	3/4	3/4	3/4	209,664	3/4	194,646	3/4	179,575	3/4	164,477	3/4	149,319	3/4	134,160	3/4	118,998
6		6		6		6	209,355	6	194,332	6	179,261	6	164,161	6	149,003	6	133,844	6	118,682
1/4	1/4	1/4	1/4	1/4	1/4	1/4	209,046	1/4	194,018	1/4	178,947	1/4	163,846	1/4	148,687	1/4	133,528	1/4	118,367
1/2	1/2	1/2	1/2	1/2	1/2	1/2	208,736	1/2	193,704	1/2	178,633	1/2	163,530	1/2	148,371	1/2	133,212	1/2	118,051
3/4	3/4	3/4	3/4	3/4	3/4	3/4	208,426	3/4	193,390	3/4	178,319	3/4	163,214	3/4	148,055	3/4	132,897	3/4	117,735
7		7		7		7	208,116	7	193,076	7	178,005	7	162,898	7	147,740	7	132,581	7	117,419
1/4	1/4	1/4	1/4	1/4	1/4	1/4	207,806	1/4	192,762	1/4	177,691	1/4	162,582	1/4	147,424	1/4	132,265	1/4	117,103
1/2	1/2	1/2	1/2	1/2	1/2	1/2	207,496	1/2	192,448	1/2	177,377	1/2	162,267	1/2	147,108	1/2	131,949	1/2	116,787
3/4	3/4	3/4	3/4	3/4	3/4	3/4	207,186	3/4	192,134	3/4	177,063	3/4	161,951	3/4	146,792	3/4	131,633	3/4	116,471
8		8		8		8	206,875	8	191,820	8	176,749	8	161,635	8	146,476	8	131,318	8	116,155
1/4	1/4	1/4	1/4	1/4	1/4	1/4	206,565	1/4	191,506	1/4	176,435	1/4	161,319	1/4	146,160	1/4	131,002	1/4	115,839
1/2	1/2	1/2	1/2	1/2	1/2	1/2	206,254	1/2	191,192	1/2	176,121	1/2	161,003	1/2	145,845	1/2	130,686	1/2	115,524
3/4	3/4	3/4	3/4	3/4	3/4	3/4	205,943	3/4	190,878	3/4	175,807	3/4	160,688	3/4	145,529	3/4	130,370	3/4	115,208
9		9		9		9	205,632	9	190,564	9	175,493	9	160,372	9	145,213	9	130,054	9	114,892
1/4	1/4	1/4	1/4	1/4	1/4	1/4	205,321	1/4	190,250	1/4	175,179	1/4	160,056	1/4	144,897	1/4	129,738	1/4	114,576
1/2	1/2	1/2	1/2	1/2	1/2	1/2	205,007	1/2	189,936	1/2	174,865	1/2	159,740	1/2	144,581	1/2	129,423	1/2	114,260
3/4	3/4	3/4	3/4	3/4	3/4	3/4	204,693	3/4	189,622	3/4	174,551	3/4	159,424	3/4	144,266	3/4	129,107	3/4	113,944
10		10		10		10	204,379	10	189,308	10	174,237	10	159,109	10	143,950	10	128,791	10	113,628
1/4	1/4	1/4	1/4	1/4	1/4	1/4	204,065	1/4	188,994	1/4	173,923	1/4	158,793	1/4	143,634	1/4	128,475	1/4	113,312
1/2	1/2	1/2	1/2	1/2	1/2	1/2	203,752	1/2	188,680	1/2	173,609	1/2	158,477	1/2	143,318	1/2	128,159	1/2	112,997
3/4	3/4	3/4	3/4	3/4	3/4	3/4	203,438	3/4	188,366	3/4	173,295	3/4	158,161	3/4	143,002	3/4	127,843	3/4	112,681
11		11		11		11	203,124	11	188,052	11	172,981	11	157,845	11	142,687	11	127,527	11	112,365
1/4	1/4	1/4	1/4	1/4	1/4	1/4	202,810	1/4	187,738	1/4	172,667	1/4	157,530	1/4	142,371	1/4	127,211	1/4	112,049
1/2	1/2	1/2	1/2	1/2	1/2	1/2	202,496	1/2	187,424	1/2	172,353	1/2	157,214	1/2	142,055	1/2	126,895	1/2	111,733
3/4	3/4	3/4	3/4	3/4	3/4	3/4	202,182	3/4	187,110	3/4	172,039	3/4	156,898	3/4	141,739	3/4	126,580	3/4	111,417

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 313"

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	95,939	0	80,776	0	65,614	0	50,451	0	35,549	0	20,386	0	5,225	0		0		0	
1/4	95,623	1/4	80,460	1/4	65,298	1/4	50,135	1/4	35,233	1/4	20,071	1/4	4,909	1/4	1/4		1/4		1/4
1/2	95,307	1/2	80,144	1/2	64,982	1/2	49,820	1/2	34,917	1/2	19,755	1/2	4,594	1/2	1/2		1/2		1/2
3/4	94,991	3/4	79,829	3/4	64,666	3/4	49,505	3/4	34,601	3/4	19,439	3/4	4,278	3/4	3/4		3/4		3/4
1	94,675	1	79,513	1	64,350	1	49,190	1	34,285	1	19,123	1	3,963	1	1		1		1
1/4	94,359	1/4	79,197	1/4	64,034	1/4	48,875	1/4	33,969	1/4	18,807	1/4	3,648	1/4	1/4		1/4		1/4
1/2	94,043	1/2	78,881	1/2	63,718	1/2	48,565	1/2	33,653	1/2	18,491	1/2	3,338	1/2	1/2		1/2		1/2
3/4	93,728	3/4	78,565	3/4	63,403	3/4	48,256	3/4	33,337	3/4	18,175	3/4	3,029	3/4	3/4		3/4		3/4
2	93,412	2	78,249	2	63,087	2	47,946	2	33,022	2	17,859	2	2,719	2	2		2		2
1/4	93,096	1/4	77,933	1/4	62,771	1/4	47,636	1/4	32,706	1/4	17,544	1/4	2,409	1/4	1/4		1/4		1/4
1/2	92,780	1/2	77,617	1/2	62,455	1/2	47,327	1/2	32,390	1/2	17,228	1/2	2,143	1/2	1/2		1/2		1/2
3/4	92,464	3/4	77,302	3/4	62,139	3/4	47,017	3/4	32,074	3/4	16,912	3/4	1,876	3/4	3/4		3/4		3/4
3	92,148	3	76,986	3	61,823	3	46,707	3	31,758	3	16,596	3	1,610	3	3		3		3
1/4	91,832	1/4	76,670	1/4	61,507	1/4	46,398	1/4	31,442	1/4	16,280	1/4	1,343	1/4	1/4		1/4		1/4
1/2	91,516	1/2	76,354	1/2	61,191	1/2	46,088	1/2	31,126	1/2	15,964	1/2	1,156	1/2	1/2		1/2		1/2
3/4	91,200	3/4	76,038	3/4	60,875	3/4	45,779	3/4	30,810	3/4	15,648	3/4	968	3/4	3/4		3/4		3/4
4	90,885	4	75,722	4	60,560	4	45,470	4	30,494	4	15,332	4	781	4	4		4		4
1/4	90,569	1/4	75,406	1/4	60,244	1/4	45,161	1/4	30,179	1/4	15,017	1/4	593	1/4	1/4		1/4		1/4
1/2	90,253	1/2	75,090	1/2	59,928	1/2	44,851	1/2	29,863	1/2	14,701	1/2		1/2	1/2		1/2		1/2
3/4	89,937	3/4	74,774	3/4	59,612	3/4	44,542	3/4	29,547	3/4	14,385	3/4		3/4	3/4		3/4		3/4
5	89,621	5	74,459	5	59,296	5	44,233	5	29,231	5	14,069	5		5	5		5		5
1/4	89,305	1/4	74,143	1/4	58,980	1/4	43,923	1/4	28,915	1/4	13,753	1/4		1/4	1/4		1/4		1/4
1/2	88,989	1/2	73,827	1/2	58,664	1/2	43,614	1/2	28,599	1/2	13,437	1/2		1/2	1/2		1/2		1/2
3/4	88,673	3/4	73,511	3/4	58,348	3/4	43,305	3/4	28,283	3/4	13,121	3/4		3/4	3/4		3/4		3/4
6	88,357	6	73,195	6	58,033	6	42,995	6	27,967	6	12,805	6		6	6		6		6
1/4	88,042	1/4	72,879	1/4	57,717	1/4	42,686	1/4	27,652	1/4	12,490	1/4		1/4	1/4		1/4		1/4
1/2	87,726	1/2	72,563	1/2	57,401	1/2	42,377	1/2	27,336	1/2	12,174	1/2		1/2	1/2		1/2		1/2
3/4	87,410	3/4	72,247	3/4	57,085	3/4	42,067	3/4	27,020	3/4	11,858	3/4		3/4	3/4		3/4		3/4
7	87,094	7	71,931	7	56,769	7	41,758	7	26,704	7	11,542	7		7	7		7		7
1/4	86,778	1/4	71,616	1/4	56,453	1/4	41,449	1/4	26,388	1/4	11,226	1/4		1/4	1/4		1/4		1/4
1/2	86,462	1/2	71,300	1/2	56,137	1/2	41,139	1/2	26,072	1/2	10,910	1/2		1/2	1/2		1/2		1/2
3/4	86,146	3/4	70,984	3/4	55,821	3/4	40,830	3/4	25,756	3/4	10,594	3/4		3/4	3/4		3/4		3/4
8	85,830	8	70,668	8	55,505	8	40,521	8	25,440	8	10,278	8		8	8		8		8
1/4	85,515	1/4	70,352	1/4	55,190	1/4	40,211	1/4	25,125	1/4	9,963	1/4		1/4	1/4		1/4		1/4
1/2	85,199	1/2	70,036	1/2	54,874	1/2	39,902	1/2	24,809	1/2	9,647	1/2		1/2	1/2		1/2		1/2
3/4	84,883	3/4	69,720	3/4	54,558	3/4	39,593	3/4	24,493	3/4	9,331	3/4		3/4	3/4		3/4		3/4
9	84,567	9	69,404	9	54,242	9	39,283	9	24,177	9	9,015	9		9	9		9		9
1/4	84,251	1/4	69,088	1/4	53,926	1/4	38,974	1/4	23,861	1/4	8,699	1/4		1/4	1/4		1/4		1/4
1/2	83,935	1/2	68,773	1/2	53,610	1/2	38,665	1/2	23,545	1/2	8,383	1/2		1/2	1/2		1/2		1/2
3/4	83,619	3/4	68,457	3/4	53,294	3/4	38,355	3/4	23,229	3/4	8,067	3/4		3/4	3/4		3/4		3/4
10	83,303	10	68,141	10	52,978	10	38,046	10	22,913	10	7,751	10		10	10		10		10
1/4	82,987	1/4	67,825	1/4	52,662	1/4	37,737	1/4	22,598	1/4	7,436	1/4		1/4	1/4		1/4		1/4
1/2	82,672	1/2	67,509	1/2	52,347	1/2	37,427	1/2	22,282	1/2	7,120	1/2		1/2	1/2		1/2		1/2
3/4	82,356	3/4	67,193	3/4	52,031	3/4	37,116	3/4	21,966	3/4	6,804	3/4		3/4	3/4		3/4		3/4
11	82,040	11	66,877	11	51,715	11	36,806	11	21,650	11	6,488	11		11	11		11		11
1/4	81,724	1/4	66,561	1/4	51,399	1/4	36,496	1/4	21,334	1/4	6,172	1/4		1/4	1/4		1/4		1/4
1/2	81,408	1/2	66,246	1/2	51,083	1/2	36,180	1/2	21,018	1/2	5,856	1/2		1/2	1/2		1/2		1/2
3/4	81,092	3/4	65,930	3/4	50,767	3/4	35,864	3/4	20,702	3/4	5,541	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/18/2013 CL
CALCULATED: 02/19/2013 CL
PRINTED: 02/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "CBC 313"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	202,004	0	186,940	0	171,876	0	156,742	0	141,591	0	126,439	0	111,284
1/4	1/4	1/4	1/4	1/4	1/4	1/4	201,690	1/4	186,626	1/4	171,563	1/4	156,427	1/4	141,275	1/4	126,123	1/4	110,968
1/2	1/2	1/2	1/2	1/2	1/2	1/2	201,376	1/2	186,312	1/2	171,249	1/2	156,111	1/2	140,960	1/2	125,808	1/2	110,653
3/4	3/4	3/4	3/4	3/4	3/4	3/4	201,062	3/4	185,999	3/4	170,935	3/4	155,795	3/4	140,644	3/4	125,492	3/4	110,337
1		1		1	214,759	1	200,749	1	185,685	1	170,621	1	155,480	1	140,328	1	125,176	1	110,021
1/4	1/4	1/4	1/4	1/4	214,600	1/4	200,435	1/4	185,371	1/4	170,307	1/4	155,164	1/4	140,013	1/4	124,860	1/4	109,705
1/2	1/2	1/2	1/2	1/2	214,441	1/2	200,121	1/2	185,057	1/2	169,993	1/2	154,848	1/2	139,697	1/2	124,545	1/2	109,390
3/4	3/4	3/4	3/4	3/4	214,229	3/4	199,807	3/4	184,743	3/4	169,679	3/4	154,533	3/4	139,382	3/4	124,229	3/4	109,074
2		2		2	214,017	2	199,493	2	184,429	2	169,365	2	154,217	2	139,066	2	123,913	2	108,758
1/4	1/4	1/4	1/4	1/4	213,805	1/4	199,179	1/4	184,116	1/4	169,051	1/4	153,902	1/4	138,750	1/4	123,597	1/4	108,442
1/2	1/2	1/2	1/2	1/2	213,593	1/2	198,866	1/2	183,802	1/2	168,737	1/2	153,586	1/2	138,435	1/2	123,282	1/2	108,127
3/4	3/4	3/4	3/4	3/4	213,330	3/4	198,552	3/4	183,488	3/4	168,422	3/4	153,270	3/4	138,119	3/4	122,966	3/4	107,811
3		3		3	213,067	3	198,238	3	183,174	3	168,106	3	152,955	3	137,803	3	122,650	3	107,495
1/4	1/4	1/4	1/4	1/4	212,804	1/4	197,924	1/4	182,860	1/4	167,790	1/4	152,639	1/4	137,488	1/4	122,335	1/4	107,179
1/2	1/2	1/2	1/2	1/2	212,540	1/2	197,610	1/2	182,547	1/2	167,475	1/2	152,323	1/2	137,172	1/2	122,019	1/2	106,864
3/4	3/4	3/4	3/4	3/4	212,238	3/4	197,296	3/4	182,233	3/4	167,159	3/4	152,008	3/4	136,856	3/4	121,703	3/4	106,548
4		4		4	211,936	4	196,983	4	181,919	4	166,843	4	151,692	4	136,541	4	121,387	4	106,232
1/4	1/4	1/4	1/4	1/4	211,634	1/4	196,669	1/4	181,605	1/4	166,528	1/4	151,376	1/4	136,225	1/4	121,072	1/4	105,917
1/2	1/2	1/2	1/2	1/2	211,332	1/2	196,355	1/2	181,291	1/2	166,212	1/2	151,061	1/2	135,909	1/2	120,756	1/2	105,601
3/4	3/4	3/4	3/4	3/4	211,024	3/4	196,041	3/4	180,977	3/4	165,896	3/4	150,745	3/4	135,594	3/4	120,440	3/4	105,285
5		5		5	210,716	5	195,727	5	180,664	5	165,581	5	150,429	5	135,278	5	120,124	5	104,969
1/4	1/4	1/4	1/4	1/4	210,408	1/4	195,413	1/4	180,350	1/4	165,265	1/4	150,114	1/4	134,962	1/4	119,809	1/4	104,654
1/2	1/2	1/2	1/2	1/2	210,100	1/2	195,100	1/2	180,036	1/2	164,949	1/2	149,798	1/2	134,647	1/2	119,493	1/2	104,338
3/4	3/4	3/4	3/4	3/4	209,791	3/4	194,786	3/4	179,722	3/4	164,634	3/4	149,482	3/4	134,331	3/4	119,177	3/4	104,022
6		6		6	209,482	6	194,472	6	179,408	6	164,318	6	149,167	6	134,015	6	118,861	6	103,706
1/4	1/4	1/4	1/4	1/4	209,173	1/4	194,158	1/4	179,094	1/4	164,002	1/4	148,851	1/4	133,700	1/4	118,546	1/4	103,391
1/2	1/2	1/2	1/2	1/2	208,864	1/2	193,844	1/2	178,781	1/2	163,687	1/2	148,535	1/2	133,384	1/2	118,230	1/2	103,075
3/4	3/4	3/4	3/4	3/4	208,555	3/4	193,530	3/4	178,467	3/4	163,371	3/4	148,220	3/4	133,069	3/4	117,914	3/4	102,759
7		7		7	208,245	7	193,217	7	178,153	7	163,055	7	147,904	7	132,753	7	117,599	7	102,444
1/4	1/4	1/4	1/4	1/4	207,935	1/4	192,903	1/4	177,839	1/4	162,740	1/4	147,588	1/4	132,437	1/4	117,283	1/4	102,128
1/2	1/2	1/2	1/2	1/2	207,626	1/2	192,589	1/2	177,525	1/2	162,424	1/2	147,273	1/2	132,122	1/2	116,967	1/2	101,812
3/4	3/4	3/4	3/4	3/4	207,316	3/4	192,275	3/4	177,211	3/4	162,108	3/4	146,957	3/4	131,806	3/4	116,651	3/4	101,496
8		8		8	207,005	8	191,961	8	176,898	8	161,793	8	146,642	8	131,490	8	116,336	8	101,181
1/4	1/4	1/4	1/4	1/4	206,695	1/4	191,648	1/4	176,584	1/4	161,477	1/4	146,326	1/4	131,175	1/4	116,020	1/4	100,865
1/2	1/2	1/2	1/2	1/2	206,385	1/2	191,334	1/2	176,270	1/2	161,162	1/2	146,010	1/2	130,859	1/2	115,704	1/2	100,549
3/4	3/4	3/4	3/4	3/4	206,074	3/4	191,020	3/4	175,956	3/4	160,846	3/4	145,695	3/4	130,543	3/4	115,388	3/4	100,233
9		9		9	205,764	9	190,706	9	175,642	9	160,530	9	145,379	9	130,228	9	115,073	9	99,918
1/4	1/4	1/4	1/4	1/4	205,453	1/4	190,392	1/4	175,328	1/4	160,215	1/4	145,063	1/4	129,912	1/4	114,757	1/4	99,602
1/2	1/2	1/2	1/2	1/2	205,142	1/2	190,078	1/2	175,015	1/2	159,899	1/2	144,748	1/2	129,596	1/2	114,441	1/2	99,286
3/4	3/4	3/4	3/4	3/4	204,828	3/4	189,765	3/4	174,701	3/4	159,583	3/4	144,432	3/4	129,281	3/4	114,126	3/4	98,970
10		10		10	204,514	10	189,451	10	174,387	10	159,268	10	144,116	10	128,965	10	113,810	10	98,655
1/4	1/4	1/4	1/4	1/4	204,201	1/4	189,137	1/4	174,073	1/4	158,952	1/4	143,801	1/4	128,649	1/4	113,494	1/4	98,339
1/2	1/2	1/2	1/2	1/2	203,887	1/2	188,823	1/2	173,759	1/2	158,636	1/2	143,485	1/2	128,333	1/2	113,178	1/2	98,023
3/4	3/4	3/4	3/4	3/4	203,573	3/4	188,509	3/4	173,446	3/4	158,321	3/4	143,169	3/4	128,018	3/4	112,863	3/4	97,708
11		11		11	203,259	11	188,195	11	173,132	11	158,005	11	142,854	11	127,702	11	112,547	11	97,392
1/4	1/4	1/4	1/4	1/4	202,945	1/4	187,882	1/4	172,818	1/4	157,689	1/4	142,538	1/4	127,386	1/4	112,231	1/4	97,076
1/2	1/2	1/2	1/2	1/2	202,632	1/2	187,568	1/2	172,504	1/2	157,374	1/2	142,222	1/2	127,070	1/2	111,915	1/2	96,760
3/4	3/4	3/4	3/4	3/4	202,318	3/4	187,254	3/4	172,190	3/4	157,058	3/4	141,907	3/4	126,755	3/4	111,600	3/4	96,445

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 313"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	96,129	0	80,974	0	65,819	0	50,664	0	35,806	0	20,693	0	5,538	0		0		0	
1/4	95,813	1/4	80,658	1/4	65,503	1/4	50,348	1/4	35,498	1/4	20,377	1/4	5,223	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,497	1/2	80,342	1/2	65,187	1/2	50,032	1/2	35,189	1/2	20,061	1/2	4,907	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,182	3/4	80,027	3/4	64,872	3/4	49,717	3/4	34,880	3/4	19,745	3/4	4,592	3/4	3/4	3/4	3/4	3/4	3/4
1	94,866	1	79,711	1	64,556	1	49,401	1	34,571	1	19,430	1	4,277	1	1	1	1	1	1
1/4	94,550	1/4	79,395	1/4	64,240	1/4	49,086	1/4	34,262	1/4	19,114	1/4	3,962	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,235	1/2	79,080	1/2	63,924	1/2	48,770	1/2	33,953	1/2	18,798	1/2	3,646	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,919	3/4	78,764	3/4	63,609	3/4	48,457	3/4	33,637	3/4	18,483	3/4	3,337	3/4	3/4	3/4	3/4	3/4	3/4
2	93,603	2	78,448	2	63,293	2	48,143	2	33,321	2	18,167	2	3,027	2	2	2	2	2	2
1/4	93,287	1/4	78,132	1/4	62,977	1/4	47,829	1/4	33,006	1/4	17,851	1/4	2,718	1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,972	1/2	77,817	1/2	62,662	1/2	47,515	1/2	32,690	1/2	17,535	1/2	2,409	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,656	3/4	77,501	3/4	62,346	3/4	47,202	3/4	32,374	3/4	17,220	3/4	2,142	3/4	3/4	3/4	3/4	3/4	3/4
3	92,340	3	77,185	3	62,030	3	46,889	3	32,059	3	16,904	3	1,876	3	3	3	3	3	3
1/4	92,024	1/4	76,869	1/4	61,714	1/4	46,576	1/4	31,743	1/4	16,588	1/4	1,610	1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,709	1/2	76,554	1/2	61,399	1/2	46,263	1/2	31,427	1/2	16,272	1/2	1,343	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,393	3/4	76,238	3/4	61,083	3/4	45,955	3/4	31,111	3/4	15,957	3/4	1,156	3/4	3/4	3/4	3/4	3/4	3/4
4	91,077	4	75,922	4	60,767	4	45,648	4	30,796	4	15,641	4	968	4	4	4	4	4	4
1/4	90,762	1/4	75,606	1/4	60,451	1/4	45,340	1/4	30,480	1/4	15,325	1/4	781	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,446	1/2	75,291	1/2	60,136	1/2	45,033	1/2	30,164	1/2	15,010	1/2	593	1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,130	3/4	74,975	3/4	59,820	3/4	44,725	3/4	29,848	3/4	14,694	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	89,814	5	74,659	5	59,504	5	44,418	5	29,533	5	14,378	5		5	5	5	5	5	5
1/4	89,499	1/4	74,344	1/4	59,189	1/4	44,110	1/4	29,217	1/4	14,062	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,183	1/2	74,028	1/2	58,873	1/2	43,803	1/2	28,901	1/2	13,747	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,867	3/4	73,712	3/4	58,557	3/4	43,495	3/4	28,586	3/4	13,431	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	88,551	6	73,396	6	58,241	6	43,188	6	28,270	6	13,115	6		6	6	6	6	6	6
1/4	88,236	1/4	73,081	1/4	57,926	1/4	42,880	1/4	27,954	1/4	12,800	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,920	1/2	72,765	1/2	57,610	1/2	42,573	1/2	27,638	1/2	12,484	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,604	3/4	72,449	3/4	57,294	3/4	42,265	3/4	27,323	3/4	12,168	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	87,288	7	72,133	7	56,978	7	41,958	7	27,007	7	11,852	7		7	7	7	7	7	7
1/4	86,973	1/4	71,818	1/4	56,663	1/4	41,650	1/4	26,691	1/4	11,537	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,657	1/2	71,502	1/2	56,347	1/2	41,343	1/2	26,376	1/2	11,221	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,341	3/4	71,186	3/4	56,031	3/4	41,035	3/4	26,060	3/4	10,905	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	86,026	8	70,871	8	55,716	8	40,728	8	25,744	8	10,590	8		8	8	8	8	8	8
1/4	85,710	1/4	70,555	1/4	55,400	1/4	40,420	1/4	25,428	1/4	10,274	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,394	1/2	70,239	1/2	55,084	1/2	40,113	1/2	25,113	1/2	9,958	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,078	3/4	69,923	3/4	54,768	3/4	39,805	3/4	24,797	3/4	9,642	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	84,763	9	69,608	9	54,453	9	39,498	9	24,481	9	9,327	9		9	9	9	9	9	9
1/4	84,447	1/4	69,292	1/4	54,137	1/4	39,190	1/4	24,166	1/4	9,011	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,131	1/2	68,976	1/2	53,821	1/2	38,883	1/2	23,850	1/2	8,695	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,815	3/4	68,660	3/4	53,505	3/4	38,575	3/4	23,534	3/4	8,379	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	83,500	10	68,345	10	53,190	10	38,268	10	23,218	10	8,064	10		10	10	10	10	10	10
1/4	83,184	1/4	68,029	1/4	52,874	1/4	37,960	1/4	22,903	1/4	7,748	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,868	1/2	67,713	1/2	52,558	1/2	37,653	1/2	22,587	1/2	7,432	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,553	3/4	67,398	3/4	52,242	3/4	37,345	3/4	22,271	3/4	7,117	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	82,237	11	67,082	11	51,927	11	37,038	11	21,955	11	6,801	11		11	11	11	11	11	11
1/4	81,921	1/4	66,766	1/4	51,611	1/4	36,730	1/4	21,640	1/4	6,485	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,605	1/2	66,450	1/2	51,295	1/2	36,422	1/2	21,324	1/2	6,169	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,290	3/4	66,135	3/4	50,980	3/4	36,114	3/4	21,008	3/4	5,854	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/18/2013 CL
CALCULATED: 02/19/2013 CL
PRINTED: 02/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "CBC 313"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	195,310	0	183,372	0	171,434	0	159,439	0	144,922	0	129,346	0	113,770
1/4	1/4	1/4	1/4	1/4	1/4	1/4	195,062	1/4	183,123	1/4	171,185	1/4	159,186	1/4	144,597	1/4	129,022	1/4	113,445
1/2	1/2	1/2	1/2	1/2	1/2	1/2	205,919	1/2	194,813	1/2	182,874	1/2	170,936	1/2	158,933	1/2	144,273	1/2	128,697
3/4	3/4	3/4	3/4	3/4	3/4	3/4	205,793	3/4	194,564	3/4	182,626	3/4	170,687	3/4	158,681	3/4	143,948	3/4	113,121
1		1		1		1	205,666	1	194,315	1	182,377	1	170,439	1	158,428	1	143,624	1	128,472
1/4	1/4	1/4	1/4	1/4	1/4	1/4	205,499	1/4	194,067	1/4	182,128	1/4	170,190	1/4	158,165	1/4	143,299	1/4	127,724
1/2	1/2	1/2	1/2	1/2	1/2	1/2	205,331	1/2	193,818	1/2	181,880	1/2	169,941	1/2	157,903	1/2	142,975	1/2	127,399
3/4	3/4	3/4	3/4	3/4	3/4	3/4	205,163	3/4	193,569	3/4	181,631	3/4	169,692	3/4	157,641	3/4	142,650	3/4	127,074
2		2		2		2	204,995	2	193,321	2	181,382	2	169,443	2	157,378	2	142,326	2	126,750
1/4	1/4	1/4	1/4	1/4	1/4	1/4	204,786	1/4	193,072	1/4	181,133	1/4	169,193	1/4	157,103	1/4	142,001	1/4	126,425
1/2	1/2	1/2	1/2	1/2	1/2	1/2	204,577	1/2	192,823	1/2	180,885	1/2	168,943	1/2	156,828	1/2	141,677	1/2	126,101
3/4	3/4	3/4	3/4	3/4	3/4	3/4	204,368	3/4	192,574	3/4	180,636	3/4	168,693	3/4	156,553	3/4	141,352	3/4	125,776
3		3		3		3	204,160	3	192,326	3	180,387	3	168,443	3	156,278	3	141,028	3	125,452
1/4	1/4	1/4	1/4	1/4	1/4	1/4	203,920	1/4	192,077	1/4	180,139	1/4	168,193	1/4	155,991	1/4	140,703	1/4	125,127
1/2	1/2	1/2	1/2	1/2	1/2	1/2	203,681	1/2	191,828	1/2	179,890	1/2	167,943	1/2	155,703	1/2	140,379	1/2	124,803
3/4	3/4	3/4	3/4	3/4	3/4	3/4	203,441	3/4	191,580	3/4	179,641	3/4	167,693	3/4	155,416	3/4	140,054	3/4	124,478
4		4		4		4	203,202	4	191,331	4	179,392	4	167,442	4	155,128	4	139,730	4	124,154
1/4	1/4	1/4	1/4	1/4	1/4	1/4	202,958	1/4	191,082	1/4	179,144	1/4	167,192	1/4	154,828	1/4	139,405	1/4	123,829
1/2	1/2	1/2	1/2	1/2	1/2	1/2	202,714	1/2	190,833	1/2	178,895	1/2	166,942	1/2	154,528	1/2	139,081	1/2	123,505
3/4	3/4	3/4	3/4	3/4	3/4	3/4	202,469	3/4	190,585	3/4	178,646	3/4	166,692	3/4	154,227	3/4	138,756	3/4	123,180
5		5		5		5	202,225	5	190,336	5	178,398	5	166,442	5	153,927	5	138,432	5	122,856
1/4	1/4	1/4	1/4	1/4	1/4	1/4	201,981	1/4	190,087	1/4	178,149	1/4	166,192	1/4	153,615	1/4	138,107	1/4	122,531
1/2	1/2	1/2	1/2	1/2	1/2	1/2	201,736	1/2	189,839	1/2	177,900	1/2	165,942	1/2	153,302	1/2	137,783	1/2	122,207
3/4	3/4	3/4	3/4	3/4	3/4	3/4	201,491	3/4	189,590	3/4	177,651	3/4	165,692	3/4	152,990	3/4	137,459	3/4	121,882
6		6		6		6	201,246	6	189,341	6	177,403	6	165,442	6	152,738	6	137,134	6	121,558
1/4	1/4	1/4	1/4	1/4	1/4	1/4	201,000	1/4	189,092	1/4	177,154	1/4	165,192	1/4	152,356	1/4	136,810	1/4	121,233
1/2	1/2	1/2	1/2	1/2	1/2	1/2	200,755	1/2	188,844	1/2	176,905	1/2	164,942	1/2	152,034	1/2	136,485	1/2	120,909
3/4	3/4	3/4	3/4	3/4	3/4	3/4	200,509	3/4	188,595	3/4	176,657	3/4	164,692	3/4	151,712	3/4	136,161	3/4	120,584
7		7		7		7	200,264	7	188,346	7	176,408	7	164,441	7	151,391	7	135,836	7	120,260
1/4	1/4	1/4	1/4	1/4	1/4	1/4	200,018	1/4	188,097	1/4	176,159	1/4	164,191	1/4	151,068	1/4	135,512	1/4	119,935
1/2	1/2	1/2	1/2	1/2	1/2	1/2	199,772	1/2	187,849	1/2	175,910	1/2	163,941	1/2	150,745	1/2	135,187	1/2	119,611
3/4	3/4	3/4	3/4	3/4	3/4	3/4	199,526	3/4	187,600	3/4	175,662	3/4	163,691	3/4	150,422	3/4	134,863	3/4	119,286
8		8		8		8	199,280	8	187,351	8	175,413	8	163,441	8	150,098	8	134,538	8	118,962
1/4	1/4	1/4	1/4	1/4	1/4	1/4	199,034	1/4	187,103	1/4	175,164	1/4	163,191	1/4	149,775	1/4	134,214	1/4	118,637
1/2	1/2	1/2	1/2	1/2	1/2	1/2	198,788	1/2	186,854	1/2	174,916	1/2	162,941	1/2	149,452	1/2	133,889	1/2	118,313
3/4	3/4	3/4	3/4	3/4	3/4	3/4	198,541	3/4	186,605	3/4	174,667	3/4	162,691	3/4	149,128	3/4	133,565	3/4	117,988
9		9		9		9	198,295	9	186,356	9	174,418	9	162,441	9	148,805	9	133,240	9	117,664
1/4	1/4	1/4	1/4	1/4	1/4	1/4	198,046	1/4	186,108	1/4	174,169	1/4	162,191	1/4	148,482	1/4	132,916	1/4	117,339
1/2	1/2	1/2	1/2	1/2	1/2	1/2	197,797	1/2	185,859	1/2	173,921	1/2	161,941	1/2	148,158	1/2	132,591	1/2	117,015
3/4	3/4	3/4	3/4	3/4	3/4	3/4	197,549	3/4	185,610	3/4	173,672	3/4	161,690	3/4	147,835	3/4	132,267	3/4	116,690
10		10		10		10	197,300	10	185,362	10	173,423	10	161,440	10	147,511	10	131,942	10	116,366
1/4	1/4	1/4	1/4	1/4	1/4	1/4	197,051	1/4	185,113	1/4	173,175	1/4	161,190	1/4	147,188	1/4	131,618	1/4	116,041
1/2	1/2	1/2	1/2	1/2	1/2	1/2	196,803	1/2	184,864	1/2	172,926	1/2	160,940	1/2	146,864	1/2	131,293	1/2	115,717
3/4	3/4	3/4	3/4	3/4	3/4	3/4	196,554	3/4	184,615	3/4	172,677	3/4	160,690	3/4	146,540	3/4	130,969	3/4	115,392
11		11		11		11	196,305	11	184,367	11	172,428	11	160,440	11	146,217	11	130,644	11	115,068
1/4	1/4	1/4	1/4	1/4	1/4	1/4	196,056	1/4	184,118	1/4	172,180	1/4	160,190	1/4	145,893	1/4	130,320	1/4	114,743
1/2	1/2	1/2	1/2	1/2	1/2	1/2	195,808	1/2	183,869	1/2	171,931	1/2	159,939	1/2	145,569	1/2	129,995	1/2	114,419
3/4	3/4	3/4	3/4	3/4	3/4	3/4	195,559	3/4	183,621	3/4	171,682	3/4	159,689	3/4	145,245	3/4	129,671	3/4	114,094

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 313"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	98,223	0	82,656	0	67,067	0	51,513	0	36,295	0	20,689	0	5,059	0		0		0	
1/4	97,900	1/4	82,331	1/4	66,742	1/4	51,196	1/4	35,970	1/4	20,363	1/4	4,734	1/4	1/4		1/4		1/4
1/2	97,576	1/2	82,006	1/2	66,417	1/2	50,880	1/2	35,645	1/2	20,037	1/2	4,409	1/2	1/2		1/2		1/2
3/4	97,252	3/4	81,681	3/4	66,093	3/4	50,563	3/4	35,321	3/4	19,712	3/4	4,084	3/4	3/4		3/4		3/4
1	96,929	1	81,356	1	65,768	1	50,246	1	34,996	1	19,386	1	3,759	1	1		1		1
1/4	96,605	1/4	81,032	1/4	65,443	1/4	49,929	1/4	34,671	1/4	19,061	1/4	3,440	1/4	1/4		1/4		1/4
1/2	96,281	1/2	80,707	1/2	65,119	1/2	49,613	1/2	34,347	1/2	18,735	1/2	3,121	1/2	1/2		1/2		1/2
3/4	95,958	3/4	80,382	3/4	64,794	3/4	49,296	3/4	34,022	3/4	18,409	3/4	2,802	3/4	3/4		3/4		3/4
2	95,634	2	80,057	2	64,469	2	48,980	2	33,698	2	18,084	2	2,483	2	2		2		2
1/4	95,310	1/4	79,733	1/4	64,144	1/4	48,663	1/4	33,373	1/4	17,758	1/4	2,208	1/4	1/4		1/4		1/4
1/2	94,987	1/2	79,408	1/2	63,819	1/2	48,346	1/2	33,048	1/2	17,432	1/2	1,933	1/2	1/2		1/2		1/2
3/4	94,663	3/4	79,083	3/4	63,495	3/4	48,030	3/4	32,724	3/4	17,107	3/4	1,659	3/4	3/4		3/4		3/4
3	94,339	3	78,758	3	63,170	3	47,713	3	32,399	3	16,781	3	1,384	3	3		3		3
1/4	94,016	1/4	78,433	1/4	62,845	1/4	47,397	1/4	32,075	1/4	16,456	1/4	1,191	1/4	1/4		1/4		1/4
1/2	93,692	1/2	78,109	1/2	62,520	1/2	47,081	1/2	31,750	1/2	16,130	1/2	997	1/2	1/2		1/2		1/2
3/4	93,368	3/4	77,784	3/4	62,196	3/4	46,765	3/4	31,425	3/4	15,804	3/4	804	3/4	3/4		3/4		3/4
4	93,045	4	77,459	4	61,871	4	46,449	4	31,101	4	15,479	4	611	4	4		4		4
1/4	92,721	1/4	77,134	1/4	61,546	1/4	46,132	1/4	30,776	1/4	15,153	1/4		1/4	1/4		1/4		1/4
1/2	92,397	1/2	76,810	1/2	61,221	1/2	45,816	1/2	30,452	1/2	14,828	1/2		1/2	1/2		1/2		1/2
3/4	92,073	3/4	76,485	3/4	60,896	3/4	45,500	3/4	30,127	3/4	14,502	3/4		3/4	3/4		3/4		3/4
5	91,749	5	76,160	5	60,572	5	45,184	5	29,802	5	14,176	5	5	5	5		5		5
1/4	91,425	1/4	75,835	1/4	60,247	1/4	44,868	1/4	29,478	1/4	13,851	1/4		1/4	1/4		1/4		1/4
1/2	91,100	1/2	75,510	1/2	59,922	1/2	44,551	1/2	29,153	1/2	13,525	1/2		1/2	1/2		1/2		1/2
3/4	90,775	3/4	75,186	3/4	59,597	3/4	44,235	3/4	28,828	3/4	13,199	3/4		3/4	3/4		3/4		3/4
6	90,450	6	74,861	6	59,273	6	43,919	6	28,503	6	12,874	6	6	6	6		6		6
1/4	90,125	1/4	74,536	1/4	58,948	1/4	43,603	1/4	28,178	1/4	12,548	1/4		1/4	1/4		1/4		1/4
1/2	89,801	1/2	74,211	1/2	58,623	1/2	43,287	1/2	27,852	1/2	12,223	1/2		1/2	1/2		1/2		1/2
3/4	89,476	3/4	73,886	3/4	58,298	3/4	42,971	3/4	27,527	3/4	11,897	3/4		3/4	3/4		3/4		3/4
7	89,151	7	73,562	7	57,973	7	42,654	7	27,201	7	11,571	7	7	7	7		7		7
1/4	88,826	1/4	73,237	1/4	57,649	1/4	42,338	1/4	26,875	1/4	11,246	1/4		1/4	1/4		1/4		1/4
1/2	88,502	1/2	72,912	1/2	57,324	1/2	42,022	1/2	26,550	1/2	10,920	1/2		1/2	1/2		1/2		1/2
3/4	88,177	3/4	72,587	3/4	56,999	3/4	41,706	3/4	26,224	3/4	10,594	3/4		3/4	3/4		3/4		3/4
8	87,852	8	72,263	8	56,674	8	41,390	8	25,899	8	10,269	8	8	8	8		8		8
1/4	87,527	1/4	71,938	1/4	56,350	1/4	41,074	1/4	25,573	1/4	9,943	1/4		1/4	1/4		1/4		1/4
1/2	87,202	1/2	71,613	1/2	56,025	1/2	40,757	1/2	25,247	1/2	9,618	1/2		1/2	1/2		1/2		1/2
3/4	86,878	3/4	71,288	3/4	55,700	3/4	40,441	3/4	24,922	3/4	9,292	3/4		3/4	3/4		3/4		3/4
9	86,553	9	70,963	9	55,375	9	40,125	9	24,596	9	8,966	9	9	9	9		9		9
1/4	86,228	1/4	70,639	1/4	55,050	1/4	39,809	1/4	24,270	1/4	8,641	1/4		1/4	1/4		1/4		1/4
1/2	85,903	1/2	70,314	1/2	54,726	1/2	39,493	1/2	23,945	1/2	8,315	1/2		1/2	1/2		1/2		1/2
3/4	85,579	3/4	69,989	3/4	54,401	3/4	39,177	3/4	23,619	3/4	7,990	3/4		3/4	3/4		3/4		3/4
10	85,254	10	69,664	10	54,076	10	38,860	10	23,294	10	7,664	10	10	10	10		10		10
1/4	84,929	1/4	69,340	1/4	53,752	1/4	38,544	1/4	22,968	1/4	7,338	1/4		1/4	1/4		1/4		1/4
1/2	84,604	1/2	69,015	1/2	53,429	1/2	38,227	1/2	22,642	1/2	7,013	1/2		1/2	1/2		1/2		1/2
3/4	84,279	3/4	68,690	3/4	53,105	3/4	37,910	3/4	22,317	3/4	6,687	3/4		3/4	3/4		3/4		3/4
11	83,955	11	68,365	11	52,781	11	37,593	11	21,991	11	6,361	11	11	11	11		11		11
1/4	83,630	1/4	68,041	1/4	52,464	1/4	37,268	1/4	21,665	1/4	6,036	1/4		1/4	1/4		1/4		1/4
1/2	83,305	1/2	67,716	1/2	52,147	1/2	36,944	1/2	21,340	1/2	5,710	1/2		1/2	1/2		1/2		1/2
3/4	82,980	3/4	67,391	3/4	51,830	3/4	36,619	3/4	21,014	3/4	5,385	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/18/2013 CL
CALCULATED: 02/19/2013 CL
PRINTED: 02/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "CBC 313"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	194,924	0	182,989	0	171,054	0	159,063	0	144,551	0	128,980	0	113,408
1/4	1/4	1/4	1/4	1/4	1/4	1/4	194,675	1/4	182,740	1/4	170,806	1/4	158,811	1/4	144,226	1/4	128,655	1/4	113,084
1/2	1/2	1/2	1/2	1/2	1/2	1/2	205,529	1/2	194,426	1/2	182,492	1/2	170,557	1/2	158,558	1/2	143,902	1/2	128,331
3/4	3/4	3/4	3/4	3/4	3/4	3/4	205,403	3/4	194,178	3/4	182,243	3/4	170,308	3/4	158,305	3/4	143,577	3/4	128,007
1		1		1		1	205,277	1	193,929	1	181,994	1	170,060	1	158,052	1	143,253	1	127,682
1/4	1/4	1/4	1/4	1/4	1/4	1/4	205,109	1/4	193,680	1/4	181,746	1/4	169,811	1/4	157,790	1/4	142,929	1/4	127,358
1/2	1/2	1/2	1/2	1/2	1/2	1/2	204,941	1/2	193,432	1/2	181,497	1/2	169,562	1/2	157,528	1/2	142,604	1/2	127,033
3/4	3/4	3/4	3/4	3/4	3/4	3/4	204,773	3/4	193,183	3/4	181,248	3/4	169,313	3/4	157,266	3/4	142,280	3/4	126,709
2		2		2		2	204,605	2	192,934	2	181,000	2	169,064	2	157,003	2	141,955	2	126,385
1/4	1/4	1/4	1/4	1/4	1/4	1/4	204,396	1/4	192,686	1/4	180,751	1/4	168,814	1/4	156,728	1/4	141,631	1/4	126,060
1/2	1/2	1/2	1/2	1/2	1/2	1/2	204,188	1/2	192,437	1/2	180,503	1/2	168,564	1/2	156,453	1/2	141,307	1/2	125,736
3/4	3/4	3/4	3/4	3/4	3/4	3/4	203,979	3/4	192,189	3/4	180,254	3/4	168,314	3/4	156,179	3/4	140,982	3/4	125,411
3		3		3		3	203,770	3	191,940	3	180,005	3	168,064	3	155,904	3	140,658	3	125,087
1/4	1/4	1/4	1/4	1/4	1/4	1/4	203,531	1/4	191,691	1/4	179,757	1/4	167,814	1/4	155,616	1/4	140,334	1/4	124,763
1/2	1/2	1/2	1/2	1/2	1/2	1/2	203,291	1/2	191,443	1/2	179,508	1/2	167,564	1/2	155,329	1/2	140,009	1/2	124,438
3/4	3/4	3/4	3/4	3/4	3/4	3/4	203,052	3/4	191,194	3/4	179,259	3/4	167,314	3/4	155,041	3/4	139,685	3/4	124,114
4		4		4		4	202,812	4	190,945	4	179,011	4	167,064	4	154,754	4	139,360	4	123,789
1/4	1/4	1/4	1/4	1/4	1/4	1/4	202,568	1/4	190,697	1/4	178,762	1/4	166,814	1/4	154,454	1/4	139,036	1/4	123,465
1/2	1/2	1/2	1/2	1/2	1/2	1/2	202,324	1/2	190,448	1/2	178,513	1/2	166,564	1/2	154,154	1/2	138,712	1/2	123,140
3/4	3/4	3/4	3/4	3/4	3/4	3/4	202,081	3/4	190,199	3/4	178,265	3/4	166,314	3/4	153,854	3/4	138,387	3/4	122,816
5		5		5		5	201,837	5	189,951	5	178,016	5	166,064	5	153,553	5	138,063	5	122,492
1/4	1/4	1/4	1/4	1/4	1/4	1/4	201,592	1/4	189,702	1/4	177,767	1/4	165,814	1/4	153,241	1/4	137,739	1/4	122,167
1/2	1/2	1/2	1/2	1/2	1/2	1/2	201,347	1/2	189,454	1/2	177,519	1/2	165,564	1/2	152,929	1/2	137,414	1/2	121,843
3/4	3/4	3/4	3/4	3/4	3/4	3/4	201,102	3/4	189,205	3/4	177,270	3/4	165,314	3/4	152,616	3/4	137,090	3/4	121,518
6		6		6		6	200,857	6	188,956	6	177,022	6	165,064	6	152,304	6	136,765	6	121,194
1/4	1/4	1/4	1/4	1/4	1/4	1/4	200,612	1/4	188,708	1/4	176,773	1/4	164,814	1/4	151,982	1/4	136,441	1/4	120,870
1/2	1/2	1/2	1/2	1/2	1/2	1/2	200,366	1/2	188,459	1/2	176,524	1/2	164,564	1/2	151,661	1/2	136,117	1/2	120,545
3/4	3/4	3/4	3/4	3/4	3/4	3/4	200,121	3/4	188,210	3/4	176,276	3/4	164,314	3/4	151,339	3/4	135,792	3/4	120,221
7		7		7		7	199,875	7	187,962	7	176,027	7	164,064	7	151,018	7	135,468	7	119,896
1/4	1/4	1/4	1/4	1/4	1/4	1/4	199,630	1/4	187,713	1/4	175,778	1/4	163,814	1/4	150,695	1/4	135,143	1/4	119,572
1/2	1/2	1/2	1/2	1/2	1/2	1/2	199,384	1/2	187,464	1/2	175,530	1/2	163,564	1/2	150,372	1/2	134,819	1/2	119,248
3/4	3/4	3/4	3/4	3/4	3/4	3/4	199,138	3/4	187,216	3/4	175,281	3/4	163,314	3/4	150,049	3/4	134,495	3/4	118,923
8		8		8		8	198,892	8	186,967	8	175,032	8	163,064	8	149,726	8	134,170	8	118,599
1/4	1/4	1/4	1/4	1/4	1/4	1/4	198,646	1/4	186,718	1/4	174,784	1/4	162,814	1/4	149,403	1/4	133,846	1/4	118,274
1/2	1/2	1/2	1/2	1/2	1/2	1/2	198,400	1/2	186,470	1/2	174,535	1/2	162,564	1/2	149,079	1/2	133,522	1/2	117,950
3/4	3/4	3/4	3/4	3/4	3/4	3/4	198,154	3/4	186,221	3/4	174,287	3/4	162,314	3/4	148,756	3/4	133,197	3/4	117,625
9		9		9		9	197,907	9	185,973	9	174,038	9	162,064	9	148,433	9	132,873	9	117,301
1/4	1/4	1/4	1/4	1/4	1/4	1/4	197,659	1/4	185,724	1/4	173,789	1/4	161,814	1/4	148,109	1/4	132,548	1/4	116,977
1/2	1/2	1/2	1/2	1/2	1/2	1/2	197,410	1/2	185,475	1/2	173,541	1/2	161,564	1/2	147,786	1/2	132,224	1/2	116,652
3/4	3/4	3/4	3/4	3/4	3/4	3/4	197,161	3/4	185,227	3/4	173,292	3/4	161,314	3/4	147,463	3/4	131,900	3/4	116,328
10		10		10		10	196,913	10	184,978	10	173,043	10	161,064	10	147,139	10	131,575	10	116,003
1/4	1/4	1/4	1/4	1/4	1/4	1/4	196,664	1/4	184,729	1/4	172,795	1/4	160,814	1/4	146,816	1/4	131,251	1/4	115,679
1/2	1/2	1/2	1/2	1/2	1/2	1/2	196,415	1/2	184,481	1/2	172,546	1/2	160,564	1/2	146,492	1/2	130,926	1/2	115,355
3/4	3/4	3/4	3/4	3/4	3/4	3/4	196,167	3/4	184,232	3/4	172,297	3/4	160,314	3/4	146,169	3/4	130,602	3/4	115,030
11		11		11		11	195,918	11	183,983	11	172,049	11	160,064	11	145,845	11	130,277	11	114,706
1/4	1/4	1/4	1/4	1/4	1/4	1/4	195,669	1/4	183,735	1/4	171,800	1/4	159,814	1/4	145,522	1/4	129,953	1/4	114,381
1/2	1/2	1/2	1/2	1/2	1/2	1/2	195,421	1/2	183,486	1/2	171,552	1/2	159,564	1/2	145,198	1/2	129,629	1/2	114,057
3/4	3/4	3/4	3/4	3/4	3/4	3/4	195,172	3/4	183,238	3/4	171,303	3/4	159,314	3/4	144,874	3/4	129,304	3/4	113,733

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 313"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	97,867	0	82,304	0	66,720	0	51,199	0	36,283	0	20,682	0	5,058	0		0		0	
1/4	97,543	1/4	81,979	1/4	66,395	1/4	50,888	1/4	35,959	1/4	20,356	1/4	4,733	1/4	1/4	1/4	1/4	1/4	1/4
1/2	97,220	1/2	81,654	1/2	66,071	1/2	50,578	1/2	35,634	1/2	20,031	1/2	4,408	1/2	1/2	1/2	1/2	1/2	1/2
3/4	96,896	3/4	81,330	3/4	65,746	3/4	50,267	3/4	35,310	3/4	19,705	3/4	4,083	3/4	3/4	3/4	3/4	3/4	3/4
1	96,573	1	81,005	1	65,422	1	49,956	1	34,985	1	19,380	1	3,758	1	1	1	1	1	1
1/4	96,249	1/4	80,680	1/4	65,097	1/4	49,646	1/4	34,660	1/4	19,054	1/4	3,439	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,925	1/2	80,356	1/2	64,772	1/2	49,336	1/2	34,336	1/2	18,729	1/2	3,120	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,602	3/4	80,031	3/4	64,448	3/4	49,026	3/4	34,011	3/4	18,403	3/4	2,801	3/4	3/4	3/4	3/4	3/4	3/4
2	95,278	2	79,706	2	64,123	2	48,716	2	33,687	2	18,078	2	2,482	2	2	2	2	2	2
1/4	94,955	1/4	79,382	1/4	63,798	1/4	48,406	1/4	33,362	1/4	17,752	1/4	2,207	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,631	1/2	79,057	1/2	63,474	1/2	48,097	1/2	33,038	1/2	17,427	1/2	1,932	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,308	3/4	78,732	3/4	63,149	3/4	47,787	3/4	32,713	3/4	17,101	3/4	1,658	3/4	3/4	3/4	3/4	3/4	3/4
3	93,984	3	78,408	3	62,824	3	47,477	3	32,389	3	16,776	3	1,383	3	3	3	3	3	3
1/4	93,660	1/4	78,083	1/4	62,500	1/4	47,168	1/4	32,064	1/4	16,450	1/4	1,190	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,337	1/2	77,758	1/2	62,175	1/2	46,859	1/2	31,740	1/2	16,125	1/2	997	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,013	3/4	77,434	3/4	61,850	3/4	46,550	3/4	31,415	3/4	15,799	3/4	803	3/4	3/4	3/4	3/4	3/4	3/4
4	92,690	4	77,109	4	61,526	4	46,241	4	31,091	4	15,474	4	611	4	4	4	4	4	4
1/4	92,366	1/4	76,784	1/4	61,201	1/4	45,931	1/4	30,766	1/4	15,148	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,042	1/2	76,460	1/2	60,876	1/2	45,622	1/2	30,442	1/2	14,823	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,719	3/4	76,135	3/4	60,551	3/4	45,313	3/4	30,117	3/4	14,497	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	91,395	5	75,810	5	60,227	5	45,004	5	29,793	5	14,172	5	5	5	5	5	5	5	5
1/4	91,070	1/4	75,486	1/4	59,902	1/4	44,695	1/4	29,468	1/4	13,846	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,745	1/2	75,161	1/2	59,577	1/2	44,386	1/2	29,144	1/2	13,521	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,421	3/4	74,836	3/4	59,253	3/4	44,076	3/4	28,819	3/4	13,195	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	90,096	6	74,512	6	58,928	6	43,767	6	28,494	6	12,870	6	6	6	6	6	6	6	6
1/4	89,771	1/4	74,187	1/4	58,603	1/4	43,458	1/4	28,169	1/4	12,544	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,447	1/2	73,862	1/2	58,279	1/2	43,149	1/2	27,843	1/2	12,219	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,122	3/4	73,537	3/4	57,954	3/4	42,840	3/4	27,518	3/4	11,893	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	88,797	7	73,213	7	57,629	7	42,531	7	27,192	7	11,568	7	7	7	7	7	7	7	7
1/4	88,473	1/4	72,888	1/4	57,305	1/4	42,221	1/4	26,867	1/4	11,242	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,148	1/2	72,563	1/2	56,980	1/2	41,912	1/2	26,541	1/2	10,917	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,823	3/4	72,239	3/4	56,655	3/4	41,603	3/4	26,216	3/4	10,591	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	87,499	8	71,914	8	56,331	8	41,294	8	25,890	8	10,265	8	8	8	8	8	8	8	8
1/4	87,174	1/4	71,589	1/4	56,006	1/4	40,985	1/4	25,565	1/4	9,940	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,849	1/2	71,265	1/2	55,681	1/2	40,676	1/2	25,239	1/2	9,614	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,525	3/4	70,940	3/4	55,357	3/4	40,367	3/4	24,914	3/4	9,289	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	86,200	9	70,615	9	55,032	9	40,057	9	24,588	9	8,963	9	9	9	9	9	9	9	9
1/4	85,875	1/4	70,291	1/4	54,707	1/4	39,748	1/4	24,263	1/4	8,638	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,551	1/2	69,966	1/2	54,383	1/2	39,439	1/2	23,937	1/2	8,312	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,226	3/4	69,641	3/4	54,058	3/4	39,130	3/4	23,612	3/4	7,987	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	84,901	10	69,317	10	53,733	10	38,821	10	23,286	10	7,661	10	10	10	10	10	10	10	10
1/4	84,577	1/4	68,992	1/4	53,410	1/4	38,510	1/4	22,961	1/4	7,336	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,252	1/2	68,667	1/2	53,087	1/2	38,200	1/2	22,635	1/2	7,010	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,927	3/4	68,343	3/4	52,764	3/4	37,889	3/4	22,310	3/4	6,685	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	83,603	11	68,018	11	52,442	11	37,578	11	21,984	11	6,359	11	11	11	11	11	11	11	11
1/4	83,278	1/4	67,693	1/4	52,131	1/4	37,255	1/4	21,659	1/4	6,034	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,953	1/2	67,369	1/2	51,820	1/2	36,931	1/2	21,333	1/2	5,708	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,628	3/4	67,044	3/4	51,510	3/4	36,607	3/4	21,008	3/4	5,383	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/18/2013 CL
CALCULATED: 02/19/2013 CL
PRINTED: 02/19/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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