



BARGE "CBC 380"

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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
1 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
2 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4
2 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4
3 PORT	- 00-5/8	00-5/8	- 01-1/8	01-1/8	- 01-3/4	01-3/4	- 02-1/4	02-1/4	- 02-7/8	02-7/8	- 03-3/8	03-3/8
3 STBD	- 00-5/8	00-5/8	- 01-1/8	01-1/8	- 01-3/4	01-3/4	- 02-1/4	02-1/4	- 02-7/8	02-7/8	- 03-3/8	03-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 253'-09"

February 26, 2013

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

<http://www.pmacorp.net>



BARGE "CBC 380"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 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	965	0	15,235	0	30,467	0	45,688	0	60,909	0	76,141	0	91,373	0	106,605	0	121,833	0	137,059
1/4	1,150	1/4	15,553	1/4	30,784	1/4	46,005	1/4	61,227	1/4	76,459	1/4	91,691	1/4	106,922	1/4	122,150	1/4	137,376
1/2	1,335	1/2	15,870	1/2	31,101	1/2	46,321	1/2	61,544	1/2	76,776	1/2	92,008	1/2	107,240	1/2	122,467	1/2	137,694
3/4	1,520	3/4	16,187	3/4	31,419	3/4	46,638	3/4	61,861	3/4	77,093	3/4	92,325	3/4	107,557	3/4	122,785	3/4	138,011
1	1,705	1	16,505	1	31,736	1	46,955	1	62,179	1	77,411	1	92,643	1	107,874	1	123,102	1	138,328
1/4	1,943	1/4	16,822	1/4	32,053	1/4	47,272	1/4	62,496	1/4	77,728	1/4	92,960	1/4	108,192	1/4	123,419	1/4	138,645
1/2	2,181	1/2	17,139	1/2	32,370	1/2	47,589	1/2	62,813	1/2	78,045	1/2	93,277	1/2	108,509	1/2	123,736	1/2	138,962
3/4	2,419	3/4	17,456	3/4	32,688	3/4	47,906	3/4	63,131	3/4	78,363	3/4	93,595	3/4	108,826	3/4	124,053	3/4	139,280
2	2,657	2	17,774	2	33,005	2	48,222	2	63,448	2	78,680	2	93,912	2	109,144	2	124,371	2	139,597
1/4	2,947	1/4	18,091	1/4	33,322	1/4	48,539	1/4	63,765	1/4	78,997	1/4	94,229	1/4	109,461	1/4	124,688	1/4	139,914
1/2	3,238	1/2	18,408	1/2	33,640	1/2	48,856	1/2	64,083	1/2	79,315	1/2	94,547	1/2	109,778	1/2	125,005	1/2	140,231
3/4	3,529	3/4	18,726	3/4	33,957	3/4	49,173	3/4	64,400	3/4	79,632	3/4	94,864	3/4	110,096	3/4	125,322	3/4	140,549
3	3,820	3	19,043	3	34,274	3	49,490	3	64,717	3	79,949	3	95,181	3	110,413	3	125,639	3	140,866
1/4	4,136	1/4	19,360	1/4	34,592	1/4	49,806	1/4	65,035	1/4	80,267	1/4	95,499	1/4	110,730	1/4	125,957	1/4	141,183
1/2	4,451	1/2	19,678	1/2	34,909	1/2	50,123	1/2	65,352	1/2	80,584	1/2	95,816	1/2	111,048	1/2	126,274	1/2	141,500
3/4	4,767	3/4	19,995	3/4	35,226	3/4	50,440	3/4	65,669	3/4	80,901	3/4	96,133	3/4	111,365	3/4	126,591	3/4	141,817
4	5,083	4	20,312	4	35,544	4	50,757	4	65,987	4	81,219	4	96,451	4	111,682	4	126,908	4	142,135
1/4	5,400	1/4	20,630	1/4	35,861	1/4	51,074	1/4	66,304	1/4	81,536	1/4	96,768	1/4	111,999	1/4	127,226	1/4	142,452
1/2	5,717	1/2	20,947	1/2	36,178	1/2	51,390	1/2	66,621	1/2	81,853	1/2	97,085	1/2	112,316	1/2	127,543	1/2	142,769
3/4	6,034	3/4	21,264	3/4	36,496	3/4	51,707	3/4	66,939	3/4	82,171	3/4	97,403	3/4	112,634	3/4	127,860	3/4	143,086
5	6,351	5	21,582	5	36,813	5	52,024	5	67,256	5	82,488	5	97,720	5	112,951	5	128,177	5	143,403
1/4	6,668	1/4	21,899	1/4	37,130	1/4	52,341	1/4	67,573	1/4	82,805	1/4	98,037	1/4	113,268	1/4	128,494	1/4	143,721
1/2	6,985	1/2	22,216	1/2	37,448	1/2	52,659	1/2	67,891	1/2	83,123	1/2	98,355	1/2	113,585	1/2	128,812	1/2	144,038
3/4	7,302	3/4	22,534	3/4	37,765	3/4	52,976	3/4	68,208	3/4	83,440	3/4	98,672	3/4	113,902	3/4	129,129	3/4	144,355
6	7,620	6	22,851	6	38,082	6	53,293	6	68,525	6	83,757	6	98,989	6	114,220	6	129,446	6	144,672
1/4	7,937	1/4	23,168	1/4	38,400	1/4	53,611	1/4	68,843	1/4	84,075	1/4	99,307	1/4	114,537	1/4	129,763	1/4	144,990
1/2	8,254	1/2	23,486	1/2	38,717	1/2	53,928	1/2	69,160	1/2	84,392	1/2	99,624	1/2	114,854	1/2	130,080	1/2	145,307
3/4	8,572	3/4	23,803	3/4	39,034	3/4	54,245	3/4	69,477	3/4	84,709	3/4	99,941	3/4	115,171	3/4	130,398	3/4	145,624
7	8,889	7	24,120	7	39,352	7	54,563	7	69,795	7	85,027	7	100,259	7	115,489	7	130,715	7	145,941
1/4	9,206	1/4	24,438	1/4	39,668	1/4	54,880	1/4	70,112	1/4	85,344	1/4	100,576	1/4	115,806	1/4	131,032	1/4	146,258
1/2	9,524	1/2	24,755	1/2	39,985	1/2	55,197	1/2	70,429	1/2	85,661	1/2	100,893	1/2	116,123	1/2	131,349	1/2	146,576
3/4	9,841	3/4	25,072	3/4	40,302	3/4	55,515	3/4	70,747	3/4	85,979	3/4	101,211	3/4	116,440	3/4	131,667	3/4	146,893
8	10,158	8	25,389	8	40,619	8	55,832	8	71,064	8	86,296	8	101,528	8	116,757	8	131,984	8	147,210
1/4	10,475	1/4	25,707	1/4	40,936	1/4	56,149	1/4	71,381	1/4	86,613	1/4	101,845	1/4	117,075	1/4	132,301	1/4	147,527
1/2	10,793	1/2	26,024	1/2	41,252	1/2	56,467	1/2	71,699	1/2	86,931	1/2	102,163	1/2	117,392	1/2	132,618	1/2	147,844
3/4	11,110	3/4	26,341	3/4	41,569	3/4	56,784	3/4	72,016	3/4	87,248	3/4	102,480	3/4	117,709	3/4	132,935	3/4	148,162
9	11,427	9	26,659	9	41,886	9	57,101	9	72,333	9	87,565	9	102,797	9	118,026	9	133,253	9	148,479
1/4	11,745	1/4	26,976	1/4	42,203	1/4	57,419	1/4	72,651	1/4	87,883	1/4	103,115	1/4	118,344	1/4	133,570	1/4	148,796
1/2	12,062	1/2	27,293	1/2	42,520	1/2	57,736	1/2	72,968	1/2	88,200	1/2	103,432	1/2	118,661	1/2	133,887	1/2	149,113
3/4	12,379	3/4	27,611	3/4	42,836	3/4	58,053	3/4	73,285	3/4	88,517	3/4	103,749	3/4	118,978	3/4	134,204	3/4	149,431
10	12,697	10	27,928	10	43,153	10	58,371	10	73,603	10	88,835	10	104,067	10	119,295	10	134,521	10	149,748
1/4	13,014	1/4	28,245	1/4	43,470	1/4	58,688	1/4	73,920	1/4	89,152	1/4	104,384	1/4	119,612	1/4	134,839	1/4	150,065
1/2	13,331	1/2	28,563	1/2	43,787	1/2	59,005	1/2	74,237	1/2	89,469	1/2	104,701	1/2	119,930	1/2	135,156	1/2	150,382
3/4	13,649	3/4	28,880	3/4	44,104	3/4	59,323	3/4	74,555	3/4	89,787	3/4	105,018	3/4	120,247	3/4	135,473	3/4	150,699
11	13,966	11	29,197	11	44,421	11	59,640	11	74,872	11	90,104	11	105,336	11	120,564	11	135,790	11	151,017
1/4	14,283	1/4	29,515	1/4	44,737	1/4	59,957	1/4	75,189	1/4	90,421	1/4	105,653	1/4	120,881	1/4	136,108	1/4	151,334
1/2	14,601	1/2	29,832	1/2	45,054	1/2	60,275	1/2	75,507	1/2	90,739	1/2	105,970	1/2	121,198	1/2	136,425	1/2	151,651
3/4	14,918	3/4	30,149	3/4	45,371	3/4	60,592	3/4	75,824	3/4	91,056	3/4	106,288	3/4	121,516	3/4	136,742	3/4	151,968

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 380"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 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	152,286	0	167,512	0	182,738	0	197,964	0	213,126	0		0		0		0		0	
1/4	152,603	1/4	167,829	1/4	183,055	1/4	198,282	1/4	213,439	1/4		1/4		1/4		1/4		1/4	
1/2	152,920	1/2	168,146	1/2	183,373	1/2	198,599	1/2	213,752	1/2		1/2		1/2		1/2		1/2	
3/4	153,237	3/4	168,463	3/4	183,690	3/4	198,916	3/4	214,065	3/4		3/4		3/4		3/4		3/4	
1	153,554	1	168,781	1	184,007	1	199,233	1	214,378	1		1		1		1		1	
1/4	153,872	1/4	169,098	1/4	184,324	1/4	199,549	1/4	214,692	1/4		1/4		1/4		1/4		1/4	
1/2	154,189	1/2	169,415	1/2	184,641	1/2	199,865	1/2	215,005	1/2		1/2		1/2		1/2		1/2	
3/4	154,506	3/4	169,732	3/4	184,959	3/4	200,181	3/4	215,318	3/4		3/4		3/4		3/4		3/4	
2	154,823	2	170,050	2	185,276	2	200,497	2	215,631	2		2		2		2		2	
1/4	155,140	1/4	170,367	1/4	185,593	1/4	200,813	1/4	215,944	1/4		1/4		1/4		1/4		1/4	
1/2	155,458	1/2	170,684	1/2	185,910	1/2	201,129	1/2	216,257	1/2		1/2		1/2		1/2		1/2	
3/4	155,775	3/4	171,001	3/4	186,227	3/4	201,445	3/4	216,570	3/4		3/4		3/4		3/4		3/4	
3	156,092	3	171,318	3	186,545	3	201,761	3	216,883	3		3		3		3		3	
1/4	156,409	1/4	171,636	1/4	186,862	1/4	202,077	1/4	217,196	1/4		1/4		1/4		1/4		1/4	
1/2	156,727	1/2	171,953	1/2	187,179	1/2	202,393	1/2	217,508	1/2		1/2		1/2		1/2		1/2	
3/4	157,044	3/4	172,270	3/4	187,496	3/4	202,709	3/4	217,821	3/4		3/4		3/4		3/4		3/4	
4	157,361	4	172,587	4	187,814	4	203,025	4	218,134	4		4		4		4		4	
1/4	157,678	1/4	172,904	1/4	188,131	1/4	203,341	1/4	218,445	1/4		1/4		1/4		1/4		1/4	
1/2	157,995	1/2	173,222	1/2	188,448	1/2	203,657	1/2	218,757	1/2		1/2		1/2		1/2		1/2	
3/4	158,313	3/4	173,539	3/4	188,765	3/4	203,973	3/4	219,068	3/4		3/4		3/4		3/4		3/4	
5	158,630	5	173,856	5	189,082	5	204,289	5	219,380	5		5		5		5		5	
1/4	158,947	1/4	174,173	1/4	189,400	1/4	204,605	1/4	219,666	1/4		1/4		1/4		1/4		1/4	
1/2	159,264	1/2	174,491	1/2	189,717	1/2	204,921	1/2	219,953	1/2		1/2		1/2		1/2		1/2	
3/4	159,581	3/4	174,808	3/4	190,034	3/4	205,237	3/4	220,239	3/4		3/4		3/4		3/4		3/4	
6	159,899	6	175,125	6	190,351	6	205,553	6	220,526	6		6		6		6		6	
1/4	160,216	1/4	175,442	1/4	190,669	1/4	205,869	1/4	220,760	1/4		1/4		1/4		1/4		1/4	
1/2	160,533	1/2	175,759	1/2	190,986	1/2	206,185	1/2	220,993	1/2		1/2		1/2		1/2		1/2	
3/4	160,850	3/4	176,077	3/4	191,303	3/4	206,501	3/4	221,227	3/4		3/4		3/4		3/4		3/4	
7	161,168	7	176,394	7	191,620	7	206,817	7	221,461	7		7		7		7		7	
1/4	161,485	1/4	176,711	1/4	191,937	1/4	207,133	1/4	221,643	1/4		1/4		1/4		1/4		1/4	
1/2	161,802	1/2	177,028	1/2	192,255	1/2	207,449	1/2	221,825	1/2		1/2		1/2		1/2		1/2	
3/4	162,119	3/4	177,345	3/4	192,572	3/4	207,765	3/4	222,007	3/4		3/4		3/4		3/4		3/4	
8	162,436	8	177,663	8	192,889	8	208,081	8	222,189	8		8		8		8		8	
1/4	162,754	1/4	177,980	1/4	193,206	1/4	208,397	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,071	1/2	178,297	1/2	193,523	1/2	208,713	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,388	3/4	178,614	3/4	193,841	3/4	209,029	3/4		3/4		3/4		3/4		3/4		3/4	
9	163,705	9	178,932	9	194,158	9	209,345	9		9		9		9		9		9	
1/4	164,022	1/4	179,249	1/4	194,475	1/4	209,661	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,340	1/2	179,566	1/2	194,792	1/2	209,977	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,657	3/4	179,883	3/4	195,110	3/4	210,293	3/4		3/4		3/4		3/4		3/4		3/4	
10	164,974	10	180,200	10	195,427	10	210,609	10		10		10		10		10		10	
1/4	165,291	1/4	180,518	1/4	195,744	1/4	210,926	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,609	1/2	180,835	1/2	196,061	1/2	211,242	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,926	3/4	181,152	3/4	196,378	3/4	211,558	3/4		3/4		3/4		3/4		3/4		3/4	
11	166,243	11	181,469	11	196,696	11	211,874	11		11		11		11		11		11	
1/4	166,560	1/4	181,786	1/4	197,013	1/4	212,187	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,877	1/2	182,104	1/2	197,330	1/2	212,500	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	167,195	3/4	182,421	3/4	197,647	3/4	212,813	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 SW
CALCULATED: 02/26/2013 CL
PRINTED: 02/27/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 380"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 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	965	0	15,235	0	30,467	0	45,648	0	60,830	0	76,062	0	91,294	0	106,525	0	121,753	0	136,979
1/4	1,150	1/4	15,553	1/4	30,784	1/4	45,963	1/4	61,147	1/4	76,379	1/4	91,611	1/4	106,843	1/4	122,070	1/4	137,297
1/2	1,335	1/2	15,870	1/2	31,101	1/2	46,278	1/2	61,464	1/2	76,696	1/2	91,928	1/2	107,160	1/2	122,388	1/2	137,614
3/4	1,520	3/4	16,187	3/4	31,419	3/4	46,593	3/4	61,782	3/4	77,014	3/4	92,246	3/4	107,477	3/4	122,705	3/4	137,931
1	1,705	1	16,505	1	31,736	1	46,909	1	62,099	1	77,331	1	92,563	1	107,795	1	123,022	1	138,248
1/4	1,943	1/4	16,822	1/4	32,053	1/4	47,224	1/4	62,416	1/4	77,648	1/4	92,880	1/4	108,112	1/4	123,339	1/4	138,566
1/2	2,181	1/2	17,139	1/2	32,370	1/2	47,539	1/2	62,734	1/2	77,966	1/2	93,198	1/2	108,429	1/2	123,656	1/2	138,883
3/4	2,419	3/4	17,456	3/4	32,688	3/4	47,854	3/4	63,051	3/4	78,283	3/4	93,515	3/4	108,747	3/4	123,974	3/4	139,200
2	2,657	2	17,774	2	33,005	2	48,169	2	63,368	2	78,600	2	93,832	2	109,064	2	124,291	2	139,517
1/4	2,947	1/4	18,091	1/4	33,322	1/4	48,484	1/4	63,686	1/4	78,918	1/4	94,149	1/4	109,381	1/4	124,608	1/4	139,834
1/2	3,238	1/2	18,408	1/2	33,640	1/2	48,799	1/2	64,003	1/2	79,235	1/2	94,467	1/2	109,699	1/2	124,925	1/2	140,152
3/4	3,529	3/4	18,726	3/4	33,957	3/4	49,115	3/4	64,320	3/4	79,552	3/4	94,784	3/4	110,016	3/4	125,243	3/4	140,469
3	3,820	3	19,043	3	34,274	3	49,430	3	64,638	3	79,870	3	95,101	3	110,333	3	125,560	3	140,786
1/4	4,136	1/4	19,360	1/4	34,592	1/4	49,745	1/4	64,955	1/4	80,187	1/4	95,419	1/4	110,651	1/4	125,877	1/4	141,103
1/2	4,451	1/2	19,678	1/2	34,909	1/2	50,060	1/2	65,272	1/2	80,504	1/2	95,736	1/2	110,968	1/2	126,194	1/2	141,420
3/4	4,767	3/4	19,995	3/4	35,226	3/4	50,375	3/4	65,590	3/4	80,822	3/4	96,053	3/4	111,285	3/4	126,511	3/4	141,738
4	5,083	4	20,312	4	35,544	4	50,690	4	65,907	4	81,139	4	96,371	4	111,602	4	126,829	4	142,055
1/4	5,400	1/4	20,630	1/4	35,861	1/4	51,006	1/4	66,224	1/4	81,456	1/4	96,688	1/4	111,919	1/4	127,146	1/4	142,372
1/2	5,717	1/2	20,947	1/2	36,178	1/2	51,321	1/2	66,542	1/2	81,774	1/2	97,005	1/2	112,237	1/2	127,463	1/2	142,689
3/4	6,034	3/4	21,264	3/4	36,496	3/4	51,636	3/4	66,859	3/4	82,091	3/4	97,323	3/4	112,554	3/4	127,780	3/4	143,007
5	6,351	5	21,582	5	36,813	5	51,951	5	67,176	5	82,408	5	97,640	5	112,871	5	128,097	5	143,324
1/4	6,668	1/4	21,899	1/4	37,130	1/4	52,267	1/4	67,494	1/4	82,726	1/4	97,957	1/4	113,188	1/4	128,415	1/4	143,641
1/2	6,985	1/2	22,216	1/2	37,448	1/2	52,582	1/2	67,811	1/2	83,043	1/2	98,275	1/2	113,506	1/2	128,732	1/2	143,958
3/4	7,302	3/4	22,534	3/4	37,765	3/4	52,898	3/4	68,128	3/4	83,360	3/4	98,592	3/4	113,823	3/4	129,049	3/4	144,275
6	7,620	6	22,851	6	38,082	6	53,214	6	68,446	6	83,678	6	98,909	6	114,140	6	129,366	6	144,593
1/4	7,937	1/4	23,168	1/4	38,398	1/4	53,531	1/4	68,763	1/4	83,995	1/4	99,227	1/4	114,457	1/4	129,684	1/4	144,910
1/2	8,254	1/2	23,486	1/2	38,714	1/2	53,848	1/2	69,080	1/2	84,312	1/2	99,544	1/2	114,774	1/2	130,001	1/2	145,227
3/4	8,572	3/4	23,803	3/4	39,029	3/4	54,166	3/4	69,398	3/4	84,630	3/4	99,861	3/4	115,092	3/4	130,318	3/4	145,544
7	8,889	7	24,120	7	39,345	7	54,483	7	69,715	7	84,947	7	100,179	7	115,409	7	130,635	7	145,861
1/4	9,206	1/4	24,438	1/4	39,660	1/4	54,800	1/4	70,032	1/4	85,264	1/4	100,496	1/4	115,726	1/4	130,952	1/4	146,179
1/2	9,524	1/2	24,755	1/2	39,975	1/2	55,118	1/2	70,350	1/2	85,582	1/2	100,813	1/2	116,043	1/2	131,270	1/2	146,496
3/4	9,841	3/4	25,072	3/4	40,290	3/4	55,435	3/4	70,667	3/4	85,899	3/4	101,131	3/4	116,360	3/4	131,587	3/4	146,813
8	10,158	8	25,389	8	40,605	8	55,752	8	70,984	8	86,216	8	101,448	8	116,678	8	131,904	8	147,130
1/4	10,475	1/4	25,707	1/4	40,921	1/4	56,070	1/4	71,302	1/4	86,534	1/4	101,765	1/4	116,995	1/4	132,221	1/4	147,448
1/2	10,793	1/2	26,024	1/2	41,236	1/2	56,387	1/2	71,619	1/2	86,851	1/2	102,083	1/2	117,312	1/2	132,538	1/2	147,765
3/4	11,110	3/4	26,341	3/4	41,551	3/4	56,704	3/4	71,936	3/4	87,168	3/4	102,400	3/4	117,629	3/4	132,856	3/4	148,082
9	11,427	9	26,659	9	41,866	9	57,022	9	72,254	9	87,486	9	102,717	9	117,947	9	133,173	9	148,399
1/4	11,745	1/4	26,976	1/4	42,181	1/4	57,339	1/4	72,571	1/4	87,803	1/4	103,035	1/4	118,264	1/4	133,490	1/4	148,716
1/2	12,062	1/2	27,293	1/2	42,496	1/2	57,656	1/2	72,888	1/2	88,120	1/2	103,352	1/2	118,581	1/2	133,807	1/2	149,034
3/4	12,379	3/4	27,611	3/4	42,812	3/4	57,974	3/4	73,206	3/4	88,438	3/4	103,669	3/4	118,898	3/4	134,125	3/4	149,351
10	12,697	10	27,928	10	43,127	10	58,291	10	73,523	10	88,755	10	103,987	10	119,215	10	134,442	10	149,668
1/4	13,014	1/4	28,245	1/4	43,442	1/4	58,608	1/4	73,840	1/4	89,072	1/4	104,304	1/4	119,533	1/4	134,759	1/4	149,985
1/2	13,331	1/2	28,563	1/2	43,757	1/2	58,926	1/2	74,158	1/2	89,390	1/2	104,621	1/2	119,850	1/2	135,076	1/2	150,302
3/4	13,649	3/4	28,880	3/4	44,072	3/4	59,243	3/4	74,475	3/4	89,707	3/4	104,939	3/4	120,167	3/4	135,393	3/4	150,620
11	13,966	11	29,197	11	44,387	11	59,560	11	74,792	11	90,024	11	105,256	11	120,484	11	135,711	11	150,937
1/4	14,283	1/4	29,515	1/4	44,702	1/4	59,878	1/4	75,110	1/4	90,342	1/4	105,573	1/4	120,801	1/4	136,028	1/4	151,254
1/2	14,601	1/2	29,832	1/2	45,018	1/2	60,195	1/2	75,427	1/2	90,659	1/2	105,891	1/2	121,119	1/2	136,345	1/2	151,571
3/4	14,918	3/4	30,149	3/4	45,333	3/4	60,512	3/4	75,744	3/4	90,976	3/4	106,208	3/4	121,436	3/4	136,662	3/4	151,889

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 380"

1 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	152,206	0	167,432	0	182,658	0	197,885	0	213,046	0		0		0		0		0	
1/4	152,523	1/4	167,749	1/4	182,976	1/4	198,202	1/4	213,359	1/4		1/4		1/4		1/4		1/4	
1/2	152,840	1/2	168,067	1/2	183,293	1/2	198,519	1/2	213,672	1/2		1/2		1/2		1/2		1/2	
3/4	153,157	3/4	168,384	3/4	183,610	3/4	198,836	3/4	213,986	3/4		3/4		3/4		3/4		3/4	
1	153,475	1	168,701	1	183,927	1	199,154	1	214,299	1		1		1		1		1	
1/4	153,792	1/4	169,018	1/4	184,244	1/4	199,470	1/4	214,612	1/4		1/4		1/4		1/4		1/4	
1/2	154,109	1/2	169,335	1/2	184,562	1/2	199,786	1/2	214,925	1/2		1/2		1/2		1/2		1/2	
3/4	154,426	3/4	169,653	3/4	184,879	3/4	200,102	3/4	215,238	3/4		3/4		3/4		3/4		3/4	
2	154,743	2	169,970	2	185,196	2	200,418	2	215,551	2		2		2		2		2	
1/4	155,061	1/4	170,287	1/4	185,513	1/4	200,734	1/4	215,864	1/4		1/4		1/4		1/4		1/4	
1/2	155,378	1/2	170,604	1/2	185,831	1/2	201,049	1/2	216,177	1/2		1/2		1/2		1/2		1/2	
3/4	155,695	3/4	170,921	3/4	186,148	3/4	201,365	3/4	216,490	3/4		3/4		3/4		3/4		3/4	
3	156,012	3	171,239	3	186,465	3	201,681	3	216,803	3		3		3		3		3	
1/4	156,330	1/4	171,556	1/4	186,782	1/4	201,997	1/4	217,116	1/4		1/4		1/4		1/4		1/4	
1/2	156,647	1/2	171,873	1/2	187,099	1/2	202,313	1/2	217,428	1/2		1/2		1/2		1/2		1/2	
3/4	156,964	3/4	172,190	3/4	187,417	3/4	202,629	3/4	217,741	3/4		3/4		3/4		3/4		3/4	
4	157,281	4	172,508	4	187,734	4	202,945	4	218,054	4		4		4		4		4	
1/4	157,598	1/4	172,825	1/4	188,051	1/4	203,261	1/4	218,365	1/4		1/4		1/4		1/4		1/4	
1/2	157,916	1/2	173,142	1/2	188,368	1/2	203,577	1/2	218,677	1/2		1/2		1/2		1/2		1/2	
3/4	158,233	3/4	173,459	3/4	188,685	3/4	203,893	3/4	218,988	3/4		3/4		3/4		3/4		3/4	
5	158,550	5	173,776	5	189,003	5	204,209	5	219,300	5		5		5		5		5	
1/4	158,867	1/4	174,094	1/4	189,320	1/4	204,525	1/4	219,586	1/4		1/4		1/4		1/4		1/4	
1/2	159,184	1/2	174,411	1/2	189,637	1/2	204,841	1/2	219,873	1/2		1/2		1/2		1/2		1/2	
3/4	159,502	3/4	174,728	3/4	189,954	3/4	205,157	3/4	220,160	3/4		3/4		3/4		3/4		3/4	
6	159,819	6	175,045	6	190,272	6	205,473	6	220,446	6		6		6		6		6	
1/4	160,136	1/4	175,362	1/4	190,589	1/4	205,789	1/4	220,680	1/4		1/4		1/4		1/4		1/4	
1/2	160,453	1/2	175,680	1/2	190,906	1/2	206,105	1/2	220,914	1/2		1/2		1/2		1/2		1/2	
3/4	160,771	3/4	175,997	3/4	191,223	3/4	206,421	3/4	221,147	3/4		3/4		3/4		3/4		3/4	
7	161,088	7	176,314	7	191,540	7	206,737	7	221,381	7		7		7		7		7	
1/4	161,405	1/4	176,631	1/4	191,858	1/4	207,053	1/4	221,563	1/4		1/4		1/4		1/4		1/4	
1/2	161,722	1/2	176,949	1/2	192,175	1/2	207,369	1/2	221,745	1/2		1/2		1/2		1/2		1/2	
3/4	162,039	3/4	177,266	3/4	192,492	3/4	207,685	3/4	221,927	3/4		3/4		3/4		3/4		3/4	
8	162,357	8	177,583	8	192,809	8	208,001	8	222,109	8		8		8		8		8	
1/4	162,674	1/4	177,900	1/4	193,126	1/4	208,317	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,991	1/2	178,217	1/2	193,444	1/2	208,633	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,308	3/4	178,535	3/4	193,761	3/4	208,949	3/4		3/4		3/4		3/4		3/4		3/4	
9	163,625	9	178,852	9	194,078	9	209,265	9		9		9		9		9		9	
1/4	163,943	1/4	179,169	1/4	194,395	1/4	209,581	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,260	1/2	179,486	1/2	194,713	1/2	209,897	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,577	3/4	179,803	3/4	195,030	3/4	210,214	3/4		3/4		3/4		3/4		3/4		3/4	
10	164,894	10	180,121	10	195,347	10	210,530	10		10		10		10		10		10	
1/4	165,212	1/4	180,438	1/4	195,664	1/4	210,846	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,529	1/2	180,755	1/2	195,981	1/2	211,162	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,846	3/4	181,072	3/4	196,299	3/4	211,478	3/4		3/4		3/4		3/4		3/4		3/4	
11	166,163	11	181,390	11	196,616	11	211,794	11		11		11		11		11		11	
1/4	166,480	1/4	181,707	1/4	196,933	1/4	212,107	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,798	1/2	182,024	1/2	197,250	1/2	212,420	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	167,115	3/4	182,341	3/4	197,567	3/4	212,733	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 SW
CALCULATED: 02/26/2013 CL
PRINTED: 02/27/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 380"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 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	961	0	15,179	0	30,353	0	45,518	0	60,683	0	75,858	0	91,034	0	106,209	0	121,380	0	136,550
1/4	1,145	1/4	15,495	1/4	30,669	1/4	45,834	1/4	60,999	1/4	76,174	1/4	91,350	1/4	106,525	1/4	121,696	1/4	136,866
1/2	1,330	1/2	15,811	1/2	30,986	1/2	46,149	1/2	61,315	1/2	76,491	1/2	91,666	1/2	106,841	1/2	122,012	1/2	137,182
3/4	1,514	3/4	16,127	3/4	31,302	3/4	46,465	3/4	61,631	3/4	76,807	3/4	91,982	3/4	107,157	3/4	122,328	3/4	137,498
1	1,698	1	16,443	1	31,618	1	46,781	1	61,948	1	77,123	1	92,298	1	107,474	1	122,644	1	137,814
1/4	1,936	1/4	16,759	1/4	31,934	1/4	47,096	1/4	62,264	1/4	77,439	1/4	92,614	1/4	107,790	1/4	122,960	1/4	138,130
1/2	2,173	1/2	17,075	1/2	32,250	1/2	47,412	1/2	62,580	1/2	77,755	1/2	92,931	1/2	108,106	1/2	123,276	1/2	138,446
3/4	2,410	3/4	17,392	3/4	32,566	3/4	47,727	3/4	62,896	3/4	78,071	3/4	93,247	3/4	108,422	3/4	123,592	3/4	138,762
2	2,647	2	17,708	2	32,882	2	48,043	2	63,212	2	78,388	2	93,563	2	108,738	2	123,908	2	139,078
1/4	2,936	1/4	18,024	1/4	33,199	1/4	48,359	1/4	63,528	1/4	78,704	1/4	93,879	1/4	109,054	1/4	124,224	1/4	139,394
1/2	3,226	1/2	18,340	1/2	33,515	1/2	48,674	1/2	63,845	1/2	79,020	1/2	94,195	1/2	109,370	1/2	124,540	1/2	139,710
3/4	3,516	3/4	18,656	3/4	33,831	3/4	48,990	3/4	64,161	3/4	79,336	3/4	94,511	3/4	109,687	3/4	124,856	3/4	140,026
3	3,806	3	18,972	3	34,147	3	49,306	3	64,477	3	79,652	3	94,827	3	110,003	3	125,172	3	140,342
1/4	4,120	1/4	19,288	1/4	34,463	1/4	49,621	1/4	64,793	1/4	79,968	1/4	95,144	1/4	110,319	1/4	125,488	1/4	140,658
1/2	4,435	1/2	19,605	1/2	34,779	1/2	49,937	1/2	65,109	1/2	80,284	1/2	95,460	1/2	110,635	1/2	125,805	1/2	140,974
3/4	4,749	3/4	19,921	3/4	35,095	3/4	50,253	3/4	65,425	3/4	80,601	3/4	95,776	3/4	110,951	3/4	126,121	3/4	141,290
4	5,064	4	20,237	4	35,412	4	50,568	4	65,741	4	80,917	4	96,092	4	111,267	4	126,437	4	141,606
1/4	5,380	1/4	20,553	1/4	35,728	1/4	50,884	1/4	66,058	1/4	81,233	1/4	96,408	1/4	111,583	1/4	126,753	1/4	141,922
1/2	5,696	1/2	20,869	1/2	36,044	1/2	51,199	1/2	66,374	1/2	81,549	1/2	96,724	1/2	111,899	1/2	127,069	1/2	142,238
3/4	6,011	3/4	21,185	3/4	36,360	3/4	51,515	3/4	66,690	3/4	81,865	3/4	97,041	3/4	112,215	3/4	127,385	3/4	142,554
5	6,327	5	21,501	5	36,676	5	51,831	5	67,006	5	82,181	5	97,357	5	112,531	5	127,701	5	142,870
1/4	6,643	1/4	21,818	1/4	36,992	1/4	52,147	1/4	67,322	1/4	82,498	1/4	97,673	1/4	112,847	1/4	128,017	1/4	143,187
1/2	6,959	1/2	22,134	1/2	37,308	1/2	52,463	1/2	67,638	1/2	82,814	1/2	97,989	1/2	113,163	1/2	128,333	1/2	143,503
3/4	7,275	3/4	22,450	3/4	37,625	3/4	52,779	3/4	67,955	3/4	83,130	3/4	98,305	3/4	113,479	3/4	128,649	3/4	143,819
6	7,591	6	22,766	6	37,941	6	53,095	6	68,271	6	83,446	6	98,621	6	113,795	6	128,965	6	144,135
1/4	7,907	1/4	23,082	1/4	38,257	1/4	53,411	1/4	68,587	1/4	83,762	1/4	98,937	1/4	114,111	1/4	129,281	1/4	144,451
1/2	8,224	1/2	23,398	1/2	38,573	1/2	53,728	1/2	68,903	1/2	84,078	1/2	99,254	1/2	114,427	1/2	129,597	1/2	144,767
3/4	8,540	3/4	23,714	3/4	38,889	3/4	54,044	3/4	69,219	3/4	84,394	3/4	99,570	3/4	114,743	3/4	129,913	3/4	145,083
7	8,856	7	24,031	7	39,205	7	54,360	7	69,535	7	84,711	7	99,886	7	115,059	7	130,229	7	145,399
1/4	9,172	1/4	24,347	1/4	39,521	1/4	54,676	1/4	69,851	1/4	85,027	1/4	100,202	1/4	115,375	1/4	130,545	1/4	145,715
1/2	9,488	1/2	24,663	1/2	39,837	1/2	54,992	1/2	70,168	1/2	85,343	1/2	100,518	1/2	115,691	1/2	130,861	1/2	146,031
3/4	9,804	3/4	24,979	3/4	40,152	3/4	55,308	3/4	70,484	3/4	85,659	3/4	100,834	3/4	116,007	3/4	131,177	3/4	146,347
8	10,120	8	25,295	8	40,468	8	55,625	8	70,800	8	85,975	8	101,150	8	116,323	8	131,493	8	146,663
1/4	10,437	1/4	25,611	1/4	40,783	1/4	55,941	1/4	71,116	1/4	86,291	1/4	101,467	1/4	116,639	1/4	131,809	1/4	146,979
1/2	10,753	1/2	25,927	1/2	41,099	1/2	56,257	1/2	71,432	1/2	86,607	1/2	101,783	1/2	116,956	1/2	132,125	1/2	147,295
3/4	11,069	3/4	26,244	3/4	41,415	3/4	56,573	3/4	71,748	3/4	86,924	3/4	102,099	3/4	117,272	3/4	132,441	3/4	147,611
9	11,385	9	26,560	9	41,730	9	56,889	9	72,064	9	87,240	9	102,415	9	117,588	9	132,757	9	147,927
1/4	11,701	1/4	26,876	1/4	42,046	1/4	57,205	1/4	72,381	1/4	87,556	1/4	102,731	1/4	117,904	1/4	133,073	1/4	148,243
1/2	12,017	1/2	27,192	1/2	42,362	1/2	57,521	1/2	72,697	1/2	87,872	1/2	103,047	1/2	118,220	1/2	133,389	1/2	148,559
3/4	12,333	3/4	27,508	3/4	42,677	3/4	57,838	3/4	73,013	3/4	88,188	3/4	103,364	3/4	118,536	3/4	133,705	3/4	148,875
10	12,650	10	27,824	10	42,993	10	58,154	10	73,329	10	88,504	10	103,680	10	118,852	10	134,021	10	149,191
1/4	12,966	1/4	28,140	1/4	43,309	1/4	58,470	1/4	73,645	1/4	88,821	1/4	103,996	1/4	119,168	1/4	134,337	1/4	149,507
1/2	13,282	1/2	28,457	1/2	43,624	1/2	58,786	1/2	73,961	1/2	89,137	1/2	104,312	1/2	119,484	1/2	134,654	1/2	149,823
3/4	13,598	3/4	28,773	3/4	43,940	3/4	59,102	3/4	74,278	3/4	89,453	3/4	104,628	3/4	119,800	3/4	134,970	3/4	150,139
11	13,914	11	29,089	11	44,255	11	59,418	11	74,594	11	89,769	11	104,944	11	120,116	11	135,286	11	150,455
1/4	14,230	1/4	29,405	1/4	44,571	1/4	59,735	1/4	74,910	1/4	90,085	1/4	105,260	1/4	120,432	1/4	135,602	1/4	150,771
1/2	14,546	1/2	29,721	1/2	44,887	1/2	60,051	1/2	75,226	1/2	90,401	1/2	105,577	1/2	120,748	1/2	135,918	1/2	151,087
3/4	14,863	3/4	30,037	3/4	45,202	3/4	60,367	3/4	75,542	3/4	90,717	3/4	105,893	3/4	121,064	3/4	136,234	3/4	151,403

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 380"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 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	151,719	0	166,889	0	182,059	0	197,229	0	212,334	0		0		0		0		0	
1/4	152,036	1/4	167,205	1/4	182,375	1/4	197,545	1/4	212,646	1/4		1/4		1/4		1/4		1/4	
1/2	152,352	1/2	167,521	1/2	182,691	1/2	197,861	1/2	212,958	1/2		1/2		1/2		1/2		1/2	
3/4	152,668	3/4	167,837	3/4	183,007	3/4	198,177	3/4	213,269	3/4		3/4		3/4		3/4		3/4	
1	152,984	1	168,153	1	183,323	1	198,493	1	213,581	1		1		1		1		1	
1/4	153,300	1/4	168,469	1/4	183,639	1/4	198,808	1/4	213,893	1/4		1/4		1/4		1/4		1/4	
1/2	153,616	1/2	168,785	1/2	183,955	1/2	199,122	1/2	214,205	1/2		1/2		1/2		1/2		1/2	
3/4	153,932	3/4	169,101	3/4	184,271	3/4	199,437	3/4	214,517	3/4		3/4		3/4		3/4		3/4	
2	154,248	2	169,417	2	184,587	2	199,752	2	214,829	2		2		2		2		2	
1/4	154,564	1/4	169,734	1/4	184,903	1/4	200,067	1/4	215,141	1/4		1/4		1/4		1/4		1/4	
1/2	154,880	1/2	170,050	1/2	185,219	1/2	200,382	1/2	215,453	1/2		1/2		1/2		1/2		1/2	
3/4	155,196	3/4	170,366	3/4	185,535	3/4	200,696	3/4	215,765	3/4		3/4		3/4		3/4		3/4	
3	155,512	3	170,682	3	185,851	3	201,011	3	216,076	3		3		3		3		3	
1/4	155,828	1/4	170,998	1/4	186,167	1/4	201,326	1/4	216,388	1/4		1/4		1/4		1/4		1/4	
1/2	156,144	1/2	171,314	1/2	186,483	1/2	201,641	1/2	216,699	1/2		1/2		1/2		1/2		1/2	
3/4	156,460	3/4	171,630	3/4	186,799	3/4	201,956	3/4	217,011	3/4		3/4		3/4		3/4		3/4	
4	156,776	4	171,946	4	187,115	4	202,271	4	217,322	4		4		4		4		4	
1/4	157,092	1/4	172,262	1/4	187,432	1/4	202,585	1/4	217,633	1/4		1/4		1/4		1/4		1/4	
1/2	157,408	1/2	172,578	1/2	187,748	1/2	202,900	1/2	217,943	1/2		1/2		1/2		1/2		1/2	
3/4	157,724	3/4	172,894	3/4	188,064	3/4	203,215	3/4	218,254	3/4		3/4		3/4		3/4		3/4	
5	158,040	5	173,210	5	188,380	5	203,530	5	218,564	5		5		5		5		5	
1/4	158,356	1/4	173,526	1/4	188,696	1/4	203,845	1/4	218,849	1/4		1/4		1/4		1/4		1/4	
1/2	158,672	1/2	173,842	1/2	189,012	1/2	204,159	1/2	219,135	1/2		1/2		1/2		1/2		1/2	
3/4	158,988	3/4	174,158	3/4	189,328	3/4	204,474	3/4	219,420	3/4		3/4		3/4		3/4		3/4	
6	159,304	6	174,474	6	189,644	6	204,789	6	219,706	6		6		6		6		6	
1/4	159,620	1/4	174,790	1/4	189,960	1/4	205,104	1/4	219,939	1/4		1/4		1/4		1/4		1/4	
1/2	159,936	1/2	175,106	1/2	190,276	1/2	205,419	1/2	220,172	1/2		1/2		1/2		1/2		1/2	
3/4	160,252	3/4	175,422	3/4	190,592	3/4	205,733	3/4	220,404	3/4		3/4		3/4		3/4		3/4	
7	160,568	7	175,738	7	190,908	7	206,048	7	220,637	7		7		7		7		7	
1/4	160,885	1/4	176,054	1/4	191,224	1/4	206,363	1/4	220,819	1/4		1/4		1/4		1/4		1/4	
1/2	161,201	1/2	176,370	1/2	191,540	1/2	206,678	1/2	221,000	1/2		1/2		1/2		1/2		1/2	
3/4	161,517	3/4	176,686	3/4	191,856	3/4	206,993	3/4	221,181	3/4		3/4		3/4		3/4		3/4	
8	161,833	8	177,002	8	192,172	8	207,308	8	221,363	8		8		8		8		8	
1/4	162,149	1/4	177,318	1/4	192,488	1/4	207,622	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,465	1/2	177,634	1/2	192,804	1/2	207,937	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,781	3/4	177,950	3/4	193,120	3/4	208,252	3/4		3/4		3/4		3/4		3/4		3/4	
9	163,097	9	178,266	9	193,436	9	208,567	9		9		9		9		9		9	
1/4	163,413	1/4	178,583	1/4	193,752	1/4	208,882	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,729	1/2	178,899	1/2	194,068	1/2	209,197	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,045	3/4	179,215	3/4	194,384	3/4	209,512	3/4		3/4		3/4		3/4		3/4		3/4	
10	164,361	10	179,531	10	194,700	10	209,826	10		10		10		10		10		10	
1/4	164,677	1/4	179,847	1/4	195,016	1/4	210,141	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,993	1/2	180,163	1/2	195,332	1/2	210,456	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,309	3/4	180,479	3/4	195,648	3/4	210,771	3/4		3/4		3/4		3/4		3/4		3/4	
11	165,625	11	180,795	11	195,964	11	211,086	11		11		11		11		11		11	
1/4	165,941	1/4	181,111	1/4	196,281	1/4	211,398	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,257	1/2	181,427	1/2	196,597	1/2	211,710	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,573	3/4	181,743	3/4	196,913	3/4	212,022	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 SW
CALCULATED: 02/26/2013 CL
PRINTED: 02/27/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
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BARGE "CBC 380"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09"

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	961	0	15,179	0	30,353	0	45,184	0	60,016	0	75,191	0	90,367	0	105,542	0	120,713	0	135,883
1/4	1,145	1/4	15,495	1/4	30,669	1/4	45,486	1/4	60,332	1/4	75,507	1/4	90,683	1/4	105,858	1/4	121,029	1/4	136,199
1/2	1,330	1/2	15,811	1/2	30,986	1/2	45,788	1/2	60,648	1/2	75,824	1/2	90,999	1/2	106,174	1/2	121,345	1/2	136,515
3/4	1,514	3/4	16,127	3/4	31,302	3/4	46,090	3/4	60,964	3/4	76,140	3/4	91,315	3/4	106,490	3/4	121,661	3/4	136,831
1	1,698	1	16,443	1	31,618	1	46,391	1	61,281	1	76,456	1	91,631	1	106,807	1	121,977	1	137,147
1/4	1,936	1/4	16,759	1/4	31,934	1/4	46,693	1/4	61,597	1/4	76,772	1/4	91,947	1/4	107,123	1/4	122,293	1/4	137,463
1/2	2,173	1/2	17,075	1/2	32,250	1/2	46,995	1/2	61,913	1/2	77,088	1/2	92,264	1/2	107,439	1/2	122,609	1/2	137,779
3/4	2,410	3/4	17,392	3/4	32,566	3/4	47,297	3/4	62,229	3/4	77,404	3/4	92,580	3/4	107,755	3/4	122,925	3/4	138,095
2	2,647	2	17,708	2	32,882	2	47,598	2	62,545	2	77,720	2	92,896	2	108,071	2	123,241	2	138,411
1/4	2,936	1/4	18,024	1/4	33,199	1/4	47,900	1/4	62,861	1/4	78,037	1/4	93,212	1/4	108,387	1/4	123,557	1/4	138,727
1/2	3,226	1/2	18,340	1/2	33,515	1/2	48,202	1/2	63,177	1/2	78,353	1/2	93,528	1/2	108,703	1/2	123,873	1/2	139,043
3/4	3,516	3/4	18,656	3/4	33,831	3/4	48,504	3/4	63,494	3/4	78,669	3/4	93,844	3/4	109,020	3/4	124,189	3/4	139,359
3	3,806	3	18,972	3	34,147	3	48,805	3	63,810	3	78,985	3	94,160	3	109,336	3	124,505	3	139,675
1/4	4,120	1/4	19,288	1/4	34,463	1/4	49,107	1/4	64,126	1/4	79,301	1/4	94,477	1/4	109,652	1/4	124,821	1/4	139,991
1/2	4,435	1/2	19,605	1/2	34,779	1/2	49,409	1/2	64,442	1/2	79,617	1/2	94,793	1/2	109,968	1/2	125,138	1/2	140,307
3/4	4,749	3/4	19,921	3/4	35,095	3/4	49,711	3/4	64,758	3/4	79,934	3/4	95,109	3/4	110,284	3/4	125,454	3/4	140,623
4	5,064	4	20,237	4	35,412	4	50,012	4	65,074	4	80,250	4	95,425	4	110,600	4	125,770	4	140,939
1/4	5,380	1/4	20,553	1/4	35,728	1/4	50,314	1/4	65,391	1/4	80,566	1/4	95,741	1/4	110,916	1/4	126,086	1/4	141,255
1/2	5,696	1/2	20,869	1/2	36,044	1/2	50,616	1/2	65,707	1/2	80,882	1/2	96,057	1/2	111,232	1/2	126,402	1/2	141,571
3/4	6,011	3/4	21,185	3/4	36,360	3/4	50,918	3/4	66,023	3/4	81,198	3/4	96,373	3/4	111,548	3/4	126,718	3/4	141,887
5	6,327	5	21,501	5	36,676	5	51,219	5	66,339	5	81,514	5	96,690	5	111,864	5	127,034	5	142,203
1/4	6,643	1/4	21,818	1/4	36,992	1/4	51,522	1/4	66,655	1/4	81,830	1/4	97,006	1/4	112,180	1/4	127,350	1/4	142,519
1/2	6,959	1/2	22,134	1/2	37,308	1/2	51,824	1/2	66,971	1/2	82,147	1/2	97,322	1/2	112,496	1/2	127,666	1/2	142,836
3/4	7,275	3/4	22,450	3/4	37,625	3/4	52,126	3/4	67,287	3/4	82,463	3/4	97,638	3/4	112,812	3/4	127,982	3/4	143,152
6	7,591	6	22,766	6	37,941	6	52,428	6	67,604	6	82,779	6	97,954	6	113,128	6	128,298	6	143,468
1/4	7,907	1/4	23,082	1/4	38,243	1/4	52,744	1/4	67,920	1/4	83,095	1/4	98,270	1/4	113,444	1/4	128,614	1/4	143,784
1/2	8,224	1/2	23,398	1/2	38,545	1/2	53,061	1/2	68,236	1/2	83,411	1/2	98,587	1/2	113,760	1/2	128,930	1/2	144,100
3/4	8,540	3/4	23,714	3/4	38,847	3/4	53,377	3/4	68,552	3/4	83,727	3/4	98,903	3/4	114,076	3/4	129,246	3/4	144,416
7	8,856	7	24,031	7	39,150	7	53,693	7	68,868	7	84,044	7	99,219	7	114,392	7	129,562	7	144,732
1/4	9,172	1/4	24,347	1/4	39,451	1/4	54,009	1/4	69,184	1/4	84,360	1/4	99,535	1/4	114,708	1/4	129,878	1/4	145,048
1/2	9,488	1/2	24,663	1/2	39,753	1/2	54,325	1/2	69,501	1/2	84,676	1/2	99,851	1/2	115,024	1/2	130,194	1/2	145,364
3/4	9,804	3/4	24,979	3/4	40,055	3/4	54,641	3/4	69,817	3/4	84,992	3/4	100,167	3/4	115,340	3/4	130,510	3/4	145,680
8	10,120	8	25,295	8	40,357	8	54,958	8	70,133	8	85,308	8	100,483	8	115,656	8	130,826	8	145,996
1/4	10,437	1/4	25,611	1/4	40,658	1/4	55,274	1/4	70,449	1/4	85,624	1/4	100,800	1/4	115,972	1/4	131,142	1/4	146,312
1/2	10,753	1/2	25,927	1/2	40,960	1/2	55,590	1/2	70,765	1/2	85,940	1/2	101,116	1/2	116,289	1/2	131,458	1/2	146,628
3/4	11,069	3/4	26,244	3/4	41,262	3/4	55,906	3/4	71,081	3/4	86,257	3/4	101,432	3/4	116,605	3/4	131,774	3/4	146,944
9	11,385	9	26,560	9	41,564	9	56,222	9	71,397	9	86,573	9	101,748	9	116,921	9	132,090	9	147,260
1/4	11,701	1/4	26,876	1/4	41,865	1/4	56,538	1/4	71,714	1/4	86,889	1/4	102,064	1/4	117,237	1/4	132,406	1/4	147,576
1/2	12,017	1/2	27,192	1/2	42,167	1/2	56,854	1/2	72,030	1/2	87,205	1/2	102,380	1/2	117,553	1/2	132,722	1/2	147,892
3/4	12,333	3/4	27,508	3/4	42,469	3/4	57,171	3/4	72,346	3/4	87,521	3/4	102,697	3/4	117,869	3/4	133,038	3/4	148,208
10	12,650	10	27,824	10	42,771	10	57,487	10	72,662	10	87,837	10	103,013	10	118,185	10	133,354	10	148,524
1/4	12,966	1/4	28,140	1/4	43,072	1/4	57,803	1/4	72,978	1/4	88,154	1/4	103,329	1/4	118,501	1/4	133,670	1/4	148,840
1/2	13,282	1/2	28,457	1/2	43,374	1/2	58,119	1/2	73,294	1/2	88,470	1/2	103,645	1/2	118,817	1/2	133,987	1/2	149,156
3/4	13,598	3/4	28,773	3/4	43,676	3/4	58,435	3/4	73,611	3/4	88,786	3/4	103,961	3/4	119,133	3/4	134,303	3/4	149,472
11	13,914	11	29,089	11	43,978	11	58,751	11	73,927	11	89,102	11	104,277	11	119,449	11	134,619	11	149,788
1/4	14,230	1/4	29,405	1/4	44,279	1/4	59,068	1/4	74,243	1/4	89,418	1/4	104,593	1/4	119,765	1/4	134,935	1/4	150,104
1/2	14,546	1/2	29,721	1/2	44,581	1/2	59,384	1/2	74,559	1/2	89,734	1/2	104,910	1/2	120,081	1/2	135,251	1/2	150,420
3/4	14,863	3/4	30,037	3/4	44,883	3/4	59,700	3/4	74,875	3/4	90,050	3/4	105,226	3/4	120,397	3/4	135,567	3/4	150,736

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 380"

2 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09"

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	151,052	0	166,222	0	181,392	0	196,562	0	211,667	0		0		0		0		0	
1/4	151,368	1/4	166,538	1/4	181,708	1/4	196,878	1/4	211,979	1/4		1/4		1/4		1/4		1/4	
1/2	151,685	1/2	166,854	1/2	182,024	1/2	197,194	1/2	212,291	1/2		1/2		1/2		1/2		1/2	
3/4	152,001	3/4	167,170	3/4	182,340	3/4	197,510	3/4	212,603	3/4		3/4		3/4		3/4		3/4	
1	152,317	1	167,486	1	182,656	1	197,826	1	212,914	1		1		1		1		1	
1/4	152,633	1/4	167,802	1/4	182,972	1/4	198,141	1/4	213,226	1/4		1/4		1/4		1/4		1/4	
1/2	152,949	1/2	168,118	1/2	183,288	1/2	198,455	1/2	213,538	1/2		1/2		1/2		1/2		1/2	
3/4	153,265	3/4	168,434	3/4	183,604	3/4	198,770	3/4	213,850	3/4		3/4		3/4		3/4		3/4	
2	153,581	2	168,750	2	183,920	2	199,085	2	214,162	2		2		2		2		2	
1/4	153,897	1/4	169,066	1/4	184,236	1/4	199,400	1/4	214,474	1/4		1/4		1/4		1/4		1/4	
1/2	154,213	1/2	169,383	1/2	184,552	1/2	199,715	1/2	214,786	1/2		1/2		1/2		1/2		1/2	
3/4	154,529	3/4	169,699	3/4	184,868	3/4	200,029	3/4	215,098	3/4		3/4		3/4		3/4		3/4	
3	154,845	3	170,015	3	185,184	3	200,344	3	215,410	3		3		3		3		3	
1/4	155,161	1/4	170,331	1/4	185,500	1/4	200,659	1/4	215,721	1/4		1/4		1/4		1/4		1/4	
1/2	155,477	1/2	170,647	1/2	185,816	1/2	200,974	1/2	216,032	1/2		1/2		1/2		1/2		1/2	
3/4	155,793	3/4	170,963	3/4	186,132	3/4	201,289	3/4	216,344	3/4		3/4		3/4		3/4		3/4	
4	156,109	4	171,279	4	186,448	4	201,604	4	216,655	4		4		4		4		4	
1/4	156,425	1/4	171,595	1/4	186,764	1/4	201,918	1/4	216,966	1/4		1/4		1/4		1/4		1/4	
1/2	156,741	1/2	171,911	1/2	187,081	1/2	202,233	1/2	217,276	1/2		1/2		1/2		1/2		1/2	
3/4	157,057	3/4	172,227	3/4	187,397	3/4	202,548	3/4	217,587	3/4		3/4		3/4		3/4		3/4	
5	157,373	5	172,543	5	187,713	5	202,863	5	217,897	5		5		5		5		5	
1/4	157,689	1/4	172,859	1/4	188,029	1/4	203,178	1/4	218,183	1/4		1/4		1/4		1/4		1/4	
1/2	158,005	1/2	173,175	1/2	188,345	1/2	203,492	1/2	218,468	1/2		1/2		1/2		1/2		1/2	
3/4	158,321	3/4	173,491	3/4	188,661	3/4	203,807	3/4	218,754	3/4		3/4		3/4		3/4		3/4	
6	158,637	6	173,807	6	188,977	6	204,122	6	219,039	6		6		6		6		6	
1/4	158,953	1/4	174,123	1/4	189,293	1/4	204,437	1/4	219,272	1/4		1/4		1/4		1/4		1/4	
1/2	159,269	1/2	174,439	1/2	189,609	1/2	204,752	1/2	219,505	1/2		1/2		1/2		1/2		1/2	
3/4	159,585	3/4	174,755	3/4	189,925	3/4	205,067	3/4	219,738	3/4		3/4		3/4		3/4		3/4	
7	159,901	7	175,071	7	190,241	7	205,381	7	219,970	7		7		7		7		7	
1/4	160,217	1/4	175,387	1/4	190,557	1/4	205,696	1/4	220,152	1/4		1/4		1/4		1/4		1/4	
1/2	160,534	1/2	175,703	1/2	190,873	1/2	206,011	1/2	220,333	1/2		1/2		1/2		1/2		1/2	
3/4	160,850	3/4	176,019	3/4	191,189	3/4	206,326	3/4	220,514	3/4		3/4		3/4		3/4		3/4	
8	161,166	8	176,335	8	191,505	8	206,641	8	220,696	8		8		8		8		8	
1/4	161,482	1/4	176,651	1/4	191,821	1/4	206,955	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,798	1/2	176,967	1/2	192,137	1/2	207,270	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,114	3/4	177,283	3/4	192,453	3/4	207,585	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,430	9	177,599	9	192,769	9	207,900	9		9		9		9		9		9	
1/4	162,746	1/4	177,915	1/4	193,085	1/4	208,215	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,062	1/2	178,232	1/2	193,401	1/2	208,530	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,378	3/4	178,548	3/4	193,717	3/4	208,845	3/4		3/4		3/4		3/4		3/4		3/4	
10	163,694	10	178,864	10	194,033	10	209,160	10		10		10		10		10		10	
1/4	164,010	1/4	179,180	1/4	194,349	1/4	209,474	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,326	1/2	179,496	1/2	194,665	1/2	209,789	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,642	3/4	179,812	3/4	194,981	3/4	210,104	3/4		3/4		3/4		3/4		3/4		3/4	
11	164,958	11	180,128	11	195,297	11	210,419	11		11		11		11		11		11	
1/4	165,274	1/4	180,444	1/4	195,613	1/4	210,731	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,590	1/2	180,760	1/2	195,930	1/2	211,043	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,906	3/4	181,076	3/4	196,246	3/4	211,355	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 SW
CALCULATED: 02/26/2013 CL
PRINTED: 02/27/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 380"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 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	957	0	15,113	0	30,223	0	45,323	0	60,427	0	75,536	0	90,645	0	105,752	0	120,850	0	135,910
1/4	1,141	1/4	15,428	1/4	30,538	1/4	45,638	1/4	60,741	1/4	75,851	1/4	90,960	1/4	106,066	1/4	121,164	1/4	136,223
1/2	1,324	1/2	15,743	1/2	30,852	1/2	45,952	1/2	61,056	1/2	76,166	1/2	91,275	1/2	106,381	1/2	121,478	1/2	136,536
3/4	1,508	3/4	16,058	3/4	31,167	3/4	46,267	3/4	61,371	3/4	76,481	3/4	91,589	3/4	106,696	3/4	121,792	3/4	136,848
1	1,691	1	16,373	1	31,482	1	46,581	1	61,686	1	76,796	1	91,904	1	107,010	1	122,106	1	137,161
1/4	1,927	1/4	16,687	1/4	31,797	1/4	46,895	1/4	62,000	1/4	77,110	1/4	92,219	1/4	107,325	1/4	122,420	1/4	137,474
1/2	2,163	1/2	17,002	1/2	32,111	1/2	47,210	1/2	62,315	1/2	77,425	1/2	92,534	1/2	107,640	1/2	122,734	1/2	137,786
3/4	2,399	3/4	17,317	3/4	32,426	3/4	47,524	3/4	62,630	3/4	77,740	3/4	92,848	3/4	107,955	3/4	123,049	3/4	138,099
2	2,636	2	17,632	2	32,741	2	47,839	2	62,945	2	78,055	2	93,163	2	108,269	2	123,363	2	138,412
1/4	2,924	1/4	17,946	1/4	33,056	1/4	48,153	1/4	63,260	1/4	78,370	1/4	93,478	1/4	108,584	1/4	123,677	1/4	138,724
1/2	3,212	1/2	18,261	1/2	33,371	1/2	48,467	1/2	63,574	1/2	78,684	1/2	93,792	1/2	108,899	1/2	123,991	1/2	139,037
3/4	3,501	3/4	18,576	3/4	33,685	3/4	48,782	3/4	63,889	3/4	78,999	3/4	94,107	3/4	109,213	3/4	124,305	3/4	139,350
3	3,789	3	18,891	3	34,000	3	49,096	3	64,204	3	79,314	3	94,422	3	109,528	3	124,619	3	139,662
1/4	4,103	1/4	19,206	1/4	34,315	1/4	49,410	1/4	64,519	1/4	79,629	1/4	94,737	1/4	109,843	1/4	124,933	1/4	139,976
1/2	4,416	1/2	19,520	1/2	34,630	1/2	49,725	1/2	64,834	1/2	79,944	1/2	95,051	1/2	110,157	1/2	125,247	1/2	140,289
3/4	4,729	3/4	19,835	3/4	34,944	3/4	50,039	3/4	65,148	3/4	80,258	3/4	95,366	3/4	110,472	3/4	125,561	3/4	140,602
4	5,042	4	20,150	4	35,259	4	50,354	4	65,463	4	80,573	4	95,681	4	110,787	4	125,876	4	140,916
1/4	5,357	1/4	20,465	1/4	35,574	1/4	50,668	1/4	65,778	1/4	80,888	1/4	95,995	1/4	111,101	1/4	126,190	1/4	141,229
1/2	5,671	1/2	20,779	1/2	35,889	1/2	50,983	1/2	66,093	1/2	81,203	1/2	96,310	1/2	111,416	1/2	126,504	1/2	141,542
3/4	5,986	3/4	21,094	3/4	36,204	3/4	51,298	3/4	66,408	3/4	81,518	3/4	96,625	3/4	111,731	3/4	126,818	3/4	141,856
5	6,300	5	21,409	5	36,518	5	51,612	5	66,722	5	81,832	5	96,940	5	112,045	5	127,132	5	142,169
1/4	6,615	1/4	21,724	1/4	36,833	1/4	51,927	1/4	67,037	1/4	82,147	1/4	97,254	1/4	112,360	1/4	127,446	1/4	142,482
1/2	6,929	1/2	22,039	1/2	37,148	1/2	52,242	1/2	67,352	1/2	82,462	1/2	97,569	1/2	112,675	1/2	127,760	1/2	142,796
3/4	7,244	3/4	22,353	3/4	37,463	3/4	52,557	3/4	67,667	3/4	82,777	3/4	97,884	3/4	112,989	3/4	128,074	3/4	143,109
6	7,559	6	22,668	6	37,777	6	52,872	6	67,981	6	83,091	6	98,198	6	113,304	6	128,389	6	143,422
1/4	7,874	1/4	22,983	1/4	38,092	1/4	53,186	1/4	68,296	1/4	83,406	1/4	98,513	1/4	113,619	1/4	128,703	1/4	143,736
1/2	8,188	1/2	23,298	1/2	38,407	1/2	53,501	1/2	68,611	1/2	83,721	1/2	98,828	1/2	113,933	1/2	129,017	1/2	144,049
3/4	8,503	3/4	23,612	3/4	38,721	3/4	53,816	3/4	68,926	3/4	84,036	3/4	99,143	3/4	114,248	3/4	129,331	3/4	144,363
7	8,818	7	23,927	7	39,036	7	54,131	7	69,241	7	84,351	7	99,457	7	114,563	7	129,645	7	144,676
1/4	9,133	1/4	24,242	1/4	39,350	1/4	54,445	1/4	69,555	1/4	84,665	1/4	99,772	1/4	114,877	1/4	129,959	1/4	144,989
1/2	9,447	1/2	24,557	1/2	39,664	1/2	54,760	1/2	69,870	1/2	84,980	1/2	100,087	1/2	115,192	1/2	130,273	1/2	145,303
3/4	9,762	3/4	24,872	3/4	39,979	3/4	55,075	3/4	70,185	3/4	85,295	3/4	100,401	3/4	115,507	3/4	130,587	3/4	145,616
8	10,077	8	25,186	8	40,293	8	55,390	8	70,500	8	85,610	8	100,716	8	115,821	8	130,902	8	145,929
1/4	10,392	1/4	25,501	1/4	40,607	1/4	55,705	1/4	70,815	1/4	85,925	1/4	101,031	1/4	116,136	1/4	131,216	1/4	146,243
1/2	10,707	1/2	25,816	1/2	40,922	1/2	56,019	1/2	71,129	1/2	86,239	1/2	101,346	1/2	116,451	1/2	131,530	1/2	146,556
3/4	11,021	3/4	26,131	3/4	41,236	3/4	56,334	3/4	71,444	3/4	86,554	3/4	101,660	3/4	116,765	3/4	131,844	3/4	146,869
9	11,336	9	26,445	9	41,551	9	56,649	9	71,759	9	86,869	9	101,975	9	117,080	9	132,158	9	147,183
1/4	11,651	1/4	26,760	1/4	41,865	1/4	56,964	1/4	72,074	1/4	87,183	1/4	102,290	1/4	117,394	1/4	132,471	1/4	147,352
1/2	11,966	1/2	27,075	1/2	42,179	1/2	57,279	1/2	72,389	1/2	87,498	1/2	102,604	1/2	117,708	1/2	132,783	1/2	147,521
3/4	12,280	3/4	27,390	3/4	42,494	3/4	57,593	3/4	72,703	3/4	87,813	3/4	102,919	3/4	118,023	3/4	133,096	3/4	147,690
10	12,595	10	27,705	10	42,808	10	57,908	10	73,018	10	88,128	10	103,234	10	118,337	10	133,409	10	147,860
1/4	12,910	1/4	28,019	1/4	43,123	1/4	58,223	1/4	73,333	1/4	88,442	1/4	103,549	1/4	118,651	1/4	133,721	1/4	148,029
1/2	13,225	1/2	28,334	1/2	43,437	1/2	58,538	1/2	73,648	1/2	88,757	1/2	103,863	1/2	118,965	1/2	134,034	1/2	148,198
3/4	13,540	3/4	28,649	3/4	43,751	3/4	58,853	3/4	73,963	3/4	89,072	3/4	104,178	3/4	119,279	3/4	134,347	3/4	148,367
11	13,854	11	28,964	11	44,066	11	59,167	11	74,277	11	89,386	11	104,493	11	119,593	11	134,659	11	148,537
1/4	14,169	1/4	29,278	1/4	44,380	1/4	59,482	1/4	74,592	1/4	89,701	1/4	104,807	1/4	119,907	1/4	134,972	1/4	148,706
1/2	14,484	1/2	29,593	1/2	44,695	1/2	59,797	1/2	74,907	1/2	90,016	1/2	105,122	1/2	120,221	1/2	135,285	1/2	148,875
3/4	14,799	3/4	29,908	3/4	45,009	3/4	60,112	3/4	75,222	3/4	90,331	3/4	105,437	3/4	120,536	3/4	135,598	3/4	149,045

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 380"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 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	149,214	0	157,339	0	165,465	0	173,590	0	181,682	0		0		0		0		0	
1/4	149,383	1/4	157,509	1/4	165,634	1/4	173,759	1/4	181,849	1/4		1/4		1/4		1/4		1/4	
1/2	149,552	1/2	157,678	1/2	165,803	1/2	173,929	1/2	182,016	1/2		1/2		1/2		1/2		1/2	
3/4	149,722	3/4	157,847	3/4	165,972	3/4	174,098	3/4	182,183	3/4		3/4		3/4		3/4		3/4	
1	149,891	1	158,016	1	166,142	1	174,267	1	182,350	1		1		1		1		1	
1/4	150,060	1/4	158,186	1/4	166,311	1/4	174,436	1/4	182,517	1/4		1/4		1/4		1/4		1/4	
1/2	150,230	1/2	158,355	1/2	166,480	1/2	174,604	1/2	182,684	1/2		1/2		1/2		1/2		1/2	
3/4	150,399	3/4	158,524	3/4	166,650	3/4	174,773	3/4	182,851	3/4		3/4		3/4		3/4		3/4	
2	150,568	2	158,693	2	166,819	2	174,942	2	183,018	2		2		2		2		2	
1/4	150,737	1/4	158,863	1/4	166,988	1/4	175,110	1/4	183,185	1/4		1/4		1/4		1/4		1/4	
1/2	150,907	1/2	159,032	1/2	167,157	1/2	175,279	1/2	183,352	1/2		1/2		1/2		1/2		1/2	
3/4	151,076	3/4	159,201	3/4	167,327	3/4	175,448	3/4	183,519	3/4		3/4		3/4		3/4		3/4	
3	151,245	3	159,371	3	167,496	3	175,616	3	183,686	3		3		3		3		3	
1/4	151,415	1/4	159,540	1/4	167,665	1/4	175,785	1/4	183,853	1/4		1/4		1/4		1/4		1/4	
1/2	151,584	1/2	159,709	1/2	167,835	1/2	175,954	1/2	184,020	1/2		1/2		1/2		1/2		1/2	
3/4	151,753	3/4	159,878	3/4	168,004	3/4	176,122	3/4	184,186	3/4		3/4		3/4		3/4		3/4	
4	151,922	4	160,048	4	168,173	4	176,291	4	184,353	4		4		4		4		4	
1/4	152,092	1/4	160,217	1/4	168,342	1/4	176,460	1/4	184,519	1/4		1/4		1/4		1/4		1/4	
1/2	152,261	1/2	160,386	1/2	168,512	1/2	176,628	1/2	184,684	1/2		1/2		1/2		1/2		1/2	
3/4	152,430	3/4	160,556	3/4	168,681	3/4	176,797	3/4	184,850	3/4		3/4		3/4		3/4		3/4	
5	152,599	5	160,725	5	168,850	5	176,966	5	185,015	5		5		5		5		5	
1/4	152,769	1/4	160,894	1/4	169,019	1/4	177,134	1/4	185,156	1/4		1/4		1/4		1/4		1/4	
1/2	152,938	1/2	161,063	1/2	169,189	1/2	177,303	1/2	185,297	1/2		1/2		1/2		1/2		1/2	
3/4	153,107	3/4	161,233	3/4	169,358	3/4	177,472	3/4	185,438	3/4		3/4		3/4		3/4		3/4	
6	153,277	6	161,402	6	169,527	6	177,640	6	185,578	6		6		6		6		6	
1/4	153,446	1/4	161,571	1/4	169,697	1/4	177,809	1/4	185,667	1/4		1/4		1/4		1/4		1/4	
1/2	153,615	1/2	161,741	1/2	169,866	1/2	177,978	1/2	185,755	1/2		1/2		1/2		1/2		1/2	
3/4	153,784	3/4	161,910	3/4	170,035	3/4	178,146	3/4	185,843	3/4		3/4		3/4		3/4		3/4	
7	153,954	7	162,079	7	170,204	7	178,315	7	185,932	7		7		7		7		7	
1/4	154,123	1/4	162,248	1/4	170,374	1/4	178,484	1/4	185,968	1/4		1/4		1/4		1/4		1/4	
1/2	154,292	1/2	162,418	1/2	170,543	1/2	178,652	1/2	186,005	1/2		1/2		1/2		1/2		1/2	
3/4	154,462	3/4	162,587	3/4	170,712	3/4	178,821	3/4	186,041	3/4		3/4		3/4		3/4		3/4	
8	154,631	8	162,756	8	170,882	8	178,990	8	186,078	8		8		8		8		8	
1/4	154,800	1/4	162,925	1/4	171,051	1/4	179,158	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,969	1/2	163,095	1/2	171,220	1/2	179,327	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,139	3/4	163,264	3/4	171,389	3/4	179,496	3/4		3/4		3/4		3/4		3/4		3/4	
9	155,308	9	163,433	9	171,559	9	179,665	9		9		9		9		9		9	
1/4	155,477	1/4	163,603	1/4	171,728	1/4	179,833	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,646	1/2	163,772	1/2	171,897	1/2	180,002	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,816	3/4	163,941	3/4	172,067	3/4	180,171	3/4		3/4		3/4		3/4		3/4		3/4	
10	155,985	10	164,110	10	172,236	10	180,339	10		10		10		10		10		10	
1/4	156,154	1/4	164,280	1/4	172,405	1/4	180,508	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,324	1/2	164,449	1/2	172,574	1/2	180,677	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,493	3/4	164,618	3/4	172,744	3/4	180,845	3/4		3/4		3/4		3/4		3/4		3/4	
11	156,662	11	164,788	11	172,913	11	181,014	11		11		11		11		11		11	
1/4	156,831	1/4	164,957	1/4	173,082	1/4	181,181	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,001	1/2	165,126	1/2	173,251	1/2	181,348	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,170	3/4	165,295	3/4	173,421	3/4	181,515	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 SW
CALCULATED: 02/26/2013 CL
PRINTED: 02/27/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
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BARGE "CBC 380"

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 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	957	0	15,091	0	30,177	0	44,771	0	59,586	0	74,647	0	89,728	0	104,806	0	119,876	0	134,900
1/4	1,141	1/4	15,406	1/4	30,492	1/4	45,071	1/4	59,898	1/4	74,961	1/4	90,042	1/4	105,120	1/4	120,189	1/4	135,212
1/2	1,324	1/2	15,720	1/2	30,806	1/2	45,371	1/2	60,209	1/2	75,275	1/2	90,356	1/2	105,434	1/2	120,503	1/2	135,525
3/4	1,508	3/4	16,034	3/4	31,120	3/4	45,671	3/4	60,521	3/4	75,590	3/4	90,670	3/4	105,748	3/4	120,816	3/4	135,837
1	1,691	1	16,349	1	31,434	1	45,971	1	60,832	1	75,904	1	90,984	1	106,062	1	121,130	1	136,149
1/4	1,927	1/4	16,663	1/4	31,749	1/4	46,272	1/4	61,144	1/4	76,218	1/4	91,298	1/4	106,376	1/4	121,443	1/4	136,461
1/2	2,162	1/2	16,977	1/2	32,063	1/2	46,572	1/2	61,456	1/2	76,532	1/2	91,612	1/2	106,690	1/2	121,756	1/2	136,773
3/4	2,398	3/4	17,291	3/4	32,377	3/4	46,872	3/4	61,767	3/4	76,846	3/4	91,926	3/4	107,005	3/4	122,069	3/4	137,085
2	2,634	2	17,606	2	32,692	2	47,172	2	62,079	2	77,161	2	92,241	2	107,319	2	122,383	2	137,397
1/4	2,921	1/4	17,920	1/4	33,006	1/4	47,472	1/4	62,393	1/4	77,475	1/4	92,555	1/4	107,633	1/4	122,696	1/4	137,709
1/2	3,209	1/2	18,234	1/2	33,320	1/2	47,772	1/2	62,707	1/2	77,789	1/2	92,869	1/2	107,947	1/2	123,009	1/2	138,021
3/4	3,496	3/4	18,549	3/4	33,634	3/4	48,072	3/4	63,022	3/4	78,103	3/4	93,183	3/4	108,261	3/4	123,322	3/4	138,333
3	3,784	3	18,863	3	33,949	3	48,372	3	63,336	3	78,417	3	93,497	3	108,575	3	123,635	3	138,645
1/4	4,097	1/4	19,177	1/4	34,251	1/4	48,684	1/4	63,650	1/4	78,732	1/4	93,811	1/4	108,889	1/4	123,949	1/4	138,958
1/2	4,409	1/2	19,491	1/2	34,553	1/2	48,996	1/2	63,964	1/2	79,046	1/2	94,125	1/2	109,203	1/2	124,262	1/2	139,271
3/4	4,722	3/4	19,806	3/4	34,856	3/4	49,309	3/4	64,278	3/4	79,360	3/4	94,439	3/4	109,517	3/4	124,575	3/4	139,584
4	5,035	4	20,120	4	35,158	4	49,621	4	64,593	4	79,674	4	94,754	4	109,831	4	124,888	4	139,896
1/4	5,349	1/4	20,434	1/4	35,459	1/4	49,931	1/4	64,907	1/4	79,988	1/4	95,068	1/4	110,146	1/4	125,202	1/4	140,209
1/2	5,663	1/2	20,749	1/2	35,761	1/2	50,242	1/2	65,221	1/2	80,303	1/2	95,382	1/2	110,460	1/2	125,515	1/2	140,522
3/4	5,977	3/4	21,063	3/4	36,062	3/4	50,553	3/4	65,535	3/4	80,617	3/4	95,696	3/4	110,774	3/4	125,828	3/4	140,835
5	6,292	5	21,377	5	36,363	5	50,864	5	65,849	5	80,931	5	96,010	5	111,088	5	126,141	5	141,147
1/4	6,606	1/4	21,691	1/4	36,664	1/4	51,175	1/4	66,164	1/4	81,245	1/4	96,324	1/4	111,402	1/4	126,454	1/4	141,460
1/2	6,920	1/2	22,006	1/2	36,965	1/2	51,486	1/2	66,478	1/2	81,560	1/2	96,638	1/2	111,716	1/2	126,768	1/2	141,773
3/4	7,234	3/4	22,320	3/4	37,267	3/4	51,797	3/4	66,792	3/4	81,874	3/4	96,953	3/4	112,030	3/4	127,081	3/4	142,086
6	7,548	6	22,634	6	37,568	6	52,107	6	67,106	6	82,188	6	97,267	6	112,344	6	127,394	6	142,398
1/4	7,863	1/4	22,949	1/4	37,868	1/4	52,419	1/4	67,420	1/4	82,502	1/4	97,581	1/4	112,658	1/4	127,707	1/4	142,711
1/2	8,177	1/2	23,263	1/2	38,168	1/2	52,731	1/2	67,735	1/2	82,816	1/2	97,895	1/2	112,972	1/2	128,020	1/2	143,024
3/4	8,491	3/4	23,577	3/4	38,468	3/4	53,042	3/4	68,049	3/4	83,131	3/4	98,209	3/4	113,286	3/4	128,334	3/4	143,337
7	8,806	7	23,891	7	38,769	7	53,354	7	68,363	7	83,445	7	98,523	7	113,600	7	128,647	7	143,649
1/4	9,120	1/4	24,206	1/4	39,069	1/4	53,665	1/4	68,677	1/4	83,759	1/4	98,837	1/4	113,914	1/4	128,960	1/4	143,962
1/2	9,434	1/2	24,520	1/2	39,369	1/2	53,977	1/2	68,991	1/2	84,073	1/2	99,151	1/2	114,228	1/2	129,274	1/2	144,275
3/4	9,748	3/4	24,834	3/4	39,669	3/4	54,289	3/4	69,306	3/4	84,387	3/4	99,466	3/4	114,543	3/4	129,587	3/4	144,588
8	10,063	8	25,149	8	39,969	8	54,600	8	69,620	8	84,702	8	99,780	8	114,857	8	129,901	8	144,900
1/4	10,377	1/4	25,463	1/4	40,269	1/4	54,912	1/4	69,934	1/4	85,016	1/4	100,094	1/4	115,171	1/4	130,215	1/4	145,213
1/2	10,691	1/2	25,777	1/2	40,569	1/2	55,224	1/2	70,248	1/2	85,330	1/2	100,408	1/2	115,485	1/2	130,528	1/2	145,526
3/4	11,006	3/4	26,092	3/4	40,870	3/4	55,535	3/4	70,562	3/4	85,644	3/4	100,722	3/4	115,799	3/4	130,842	3/4	145,839
9	11,320	9	26,406	9	41,170	9	55,847	9	70,877	9	85,958	9	101,036	9	116,113	9	131,155	9	146,151
1/4	11,634	1/4	26,720	1/4	41,470	1/4	56,158	1/4	71,191	1/4	86,272	1/4	101,350	1/4	116,427	1/4	131,467	1/4	146,320
1/2	11,949	1/2	27,034	1/2	41,770	1/2	56,470	1/2	71,505	1/2	86,586	1/2	101,664	1/2	116,740	1/2	131,779	1/2	146,489
3/4	12,263	3/4	27,349	3/4	42,070	3/4	56,782	3/4	71,819	3/4	86,900	3/4	101,979	3/4	117,054	3/4	132,091	3/4	146,658
10	12,577	10	27,663	10	42,370	10	57,093	10	72,133	10	87,215	10	102,293	10	117,367	10	132,404	10	146,826
1/4	12,891	1/4	27,977	1/4	42,670	1/4	57,405	1/4	72,448	1/4	87,529	1/4	102,607	1/4	117,681	1/4	132,716	1/4	146,995
1/2	13,206	1/2	28,292	1/2	42,970	1/2	57,716	1/2	72,762	1/2	87,843	1/2	102,921	1/2	117,994	1/2	133,028	1/2	147,164
3/4	13,520	3/4	28,606	3/4	43,270	3/4	58,028	3/4	73,076	3/4	88,157	3/4	103,235	3/4	118,308	3/4	133,340	3/4	147,332
11	13,834	11	28,920	11	43,571	11	58,340	11	73,390	11	88,471	11	103,549	11	118,621	11	133,652	11	147,501
1/4	14,149	1/4	29,234	1/4	43,871	1/4	58,651	1/4	73,704	1/4	88,785	1/4	103,863	1/4	118,935	1/4	133,964	1/4	147,670
1/2	14,463	1/2	29,549	1/2	44,171	1/2	58,963	1/2	74,019	1/2	89,099	1/2	104,177	1/2	119,248	1/2	134,276	1/2	147,838
3/4	14,777	3/4	29,863	3/4	44,471	3/4	59,274	3/4	74,333	3/4	89,413	3/4	104,492	3/4	119,562	3/4	134,588	3/4	148,007

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "CBC 380"

3 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 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	148,176	0	156,273	0	164,370	0	172,467	0	180,531	0		0		0		0		0	
1/4	148,344	1/4	156,442	1/4	164,539	1/4	172,636	1/4	180,697	1/4		1/4		1/4		1/4		1/4	
1/2	148,513	1/2	156,610	1/2	164,707	1/2	172,805	1/2	180,864	1/2		1/2		1/2		1/2		1/2	
3/4	148,682	3/4	156,779	3/4	164,876	3/4	172,973	3/4	181,030	3/4		3/4		3/4		3/4		3/4	
1	148,851	1	156,948	1	165,045	1	173,142	1	181,197	1		1		1		1		1	
1/4	149,019	1/4	157,116	1/4	165,214	1/4	173,310	1/4	181,363	1/4		1/4		1/4		1/4		1/4	
1/2	149,188	1/2	157,285	1/2	165,382	1/2	173,478	1/2	181,530	1/2		1/2		1/2		1/2		1/2	
3/4	149,357	3/4	157,454	3/4	165,551	3/4	173,646	3/4	181,696	3/4		3/4		3/4		3/4		3/4	
2	149,525	2	157,622	2	165,720	2	173,814	2	181,863	2		2		2		2		2	
1/4	149,694	1/4	157,791	1/4	165,888	1/4	173,982	1/4	182,029	1/4		1/4		1/4		1/4		1/4	
1/2	149,863	1/2	157,960	1/2	166,057	1/2	174,150	1/2	182,196	1/2		1/2		1/2		1/2		1/2	
3/4	150,031	3/4	158,129	3/4	166,226	3/4	174,319	3/4	182,362	3/4		3/4		3/4		3/4		3/4	
3	150,200	3	158,297	3	166,394	3	174,487	3	182,528	3		3		3		3		3	
1/4	150,369	1/4	158,466	1/4	166,563	1/4	174,655	1/4	182,694	1/4		1/4		1/4		1/4		1/4	
1/2	150,537	1/2	158,635	1/2	166,732	1/2	174,823	1/2	182,860	1/2		1/2		1/2		1/2		1/2	
3/4	150,706	3/4	158,803	3/4	166,900	3/4	174,991	3/4	183,026	3/4		3/4		3/4		3/4		3/4	
4	150,875	4	158,972	4	167,069	4	175,159	4	183,193	4		4		4		4		4	
1/4	151,043	1/4	159,141	1/4	167,238	1/4	175,327	1/4	183,357	1/4		1/4		1/4		1/4		1/4	
1/2	151,212	1/2	159,309	1/2	167,406	1/2	175,495	1/2	183,522	1/2		1/2		1/2		1/2		1/2	
3/4	151,381	3/4	159,478	3/4	167,575	3/4	175,663	3/4	183,687	3/4		3/4		3/4		3/4		3/4	
5	151,550	5	159,647	5	167,744	5	175,831	5	183,852	5		5		5		5		5	
1/4	151,718	1/4	159,815	1/4	167,913	1/4	175,999	1/4	183,993	1/4		1/4		1/4		1/4		1/4	
1/2	151,887	1/2	159,984	1/2	168,081	1/2	176,167	1/2	184,133	1/2		1/2		1/2		1/2		1/2	
3/4	152,056	3/4	160,153	3/4	168,250	3/4	176,335	3/4	184,273	3/4		3/4		3/4		3/4		3/4	
6	152,224	6	160,321	6	168,419	6	176,504	6	184,413	6		6		6		6		6	
1/4	152,393	1/4	160,490	1/4	168,587	1/4	176,672	1/4	184,501	1/4		1/4		1/4		1/4		1/4	
1/2	152,562	1/2	160,659	1/2	168,756	1/2	176,840	1/2	184,589	1/2		1/2		1/2		1/2		1/2	
3/4	152,730	3/4	160,828	3/4	168,925	3/4	177,008	3/4	184,677	3/4		3/4		3/4		3/4		3/4	
7	152,899	7	160,996	7	169,093	7	177,176	7	184,764	7		7		7		7		7	
1/4	153,068	1/4	161,165	1/4	169,262	1/4	177,344	1/4	184,800	1/4		1/4		1/4		1/4		1/4	
1/2	153,236	1/2	161,334	1/2	169,431	1/2	177,512	1/2	184,836	1/2		1/2		1/2		1/2		1/2	
3/4	153,405	3/4	161,502	3/4	169,599	3/4	177,680	3/4	184,872	3/4		3/4		3/4		3/4		3/4	
8	153,574	8	161,671	8	169,768	8	177,848	8	184,908	8		8		8		8		8	
1/4	153,743	1/4	161,840	1/4	169,937	1/4	178,016	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,911	1/2	162,008	1/2	170,106	1/2	178,184	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,080	3/4	162,177	3/4	170,274	3/4	178,352	3/4		3/4		3/4		3/4		3/4		3/4	
9	154,249	9	162,346	9	170,443	9	178,521	9		9		9		9		9		9	
1/4	154,417	1/4	162,514	1/4	170,612	1/4	178,689	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,586	1/2	162,683	1/2	170,780	1/2	178,857	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,755	3/4	162,852	3/4	170,949	3/4	179,025	3/4		3/4		3/4		3/4		3/4		3/4	
10	154,923	10	163,021	10	171,118	10	179,193	10		10		10		10		10		10	
1/4	155,092	1/4	163,189	1/4	171,286	1/4	179,361	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,261	1/2	163,358	1/2	171,455	1/2	179,529	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,429	3/4	163,527	3/4	171,624	3/4	179,697	3/4		3/4		3/4		3/4		3/4		3/4	
11	155,598	11	163,695	11	171,792	11	179,865	11		11		11		11		11		11	
1/4	155,767	1/4	163,864	1/4	171,961	1/4	180,032	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,936	1/2	164,033	1/2	172,130	1/2	180,198	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,104	3/4	164,201	3/4	172,299	3/4	180,365	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 SW
CALCULATED: 02/26/2013 CL
PRINTED: 02/27/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
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BARGE "CBC 380"

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	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
1 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4
2 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4
3 PORT	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-3/8	- 03-3/8
3 STBD	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-3/8	- 03-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 253'-09"

February 26, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.

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 Pearland, Texas 77588

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BARGE "CBC 380"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 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		0		0	208,397	0	193,206	0	177,980	0	162,753	0	147,527	0	132,301	0	117,075	0	101,845
1/4		1/4	222,189	1/4	208,081	1/4	192,889	1/4	177,663	1/4	162,436	1/4	147,210	1/4	131,984	1/4	116,757	1/4	101,528
1/2		1/2	222,007	1/2	207,765	1/2	192,572	1/2	177,345	1/2	162,119	1/2	146,893	1/2	131,666	1/2	116,440	1/2	101,210
3/4		3/4	221,825	3/4	207,449	3/4	192,254	3/4	177,028	3/4	161,802	3/4	146,576	3/4	131,349	3/4	116,123	3/4	100,893
1		1	221,643	1	207,133	1	191,937	1	176,711	1	161,485	1	146,258	1	131,032	1	115,806	1	100,576
1/4		1/4	221,461	1/4	206,817	1/4	191,620	1/4	176,394	1/4	161,167	1/4	145,941	1/4	130,715	1/4	115,488	1/4	100,258
1/2		1/2	221,227	1/2	206,501	1/2	191,303	1/2	176,077	1/2	160,850	1/2	145,624	1/2	130,398	1/2	115,171	1/2	99,941
3/4		3/4	220,993	3/4	206,185	3/4	190,986	3/4	175,759	3/4	160,533	3/4	145,307	3/4	130,080	3/4	114,854	3/4	99,624
2		2	220,760	2	205,869	2	190,668	2	175,442	2	160,216	2	144,989	2	129,763	2	114,537	2	99,306
1/4		1/4	220,526	1/4	205,553	1/4	190,351	1/4	175,125	1/4	159,899	1/4	144,672	1/4	129,446	1/4	114,220	1/4	98,989
1/2		1/2	220,239	1/2	205,237	1/2	190,034	1/2	174,808	1/2	159,581	1/2	144,355	1/2	129,129	1/2	113,902	1/2	98,672
3/4		3/4	219,953	3/4	204,921	3/4	189,717	3/4	174,490	3/4	159,264	3/4	144,038	3/4	128,812	3/4	113,585	3/4	98,354
3		3	219,666	3	204,605	3	189,400	3	174,173	3	158,947	3	143,721	3	128,494	3	113,268	3	98,037
1/4		1/4	219,380	1/4	204,289	1/4	189,082	1/4	173,856	1/4	158,630	1/4	143,403	1/4	128,177	1/4	112,951	1/4	97,720
1/2		1/2	219,068	1/2	203,973	1/2	188,765	1/2	173,539	1/2	158,312	1/2	143,086	1/2	127,860	1/2	112,634	1/2	97,402
3/4		3/4	218,757	3/4	203,657	3/4	188,448	3/4	173,222	3/4	157,995	3/4	142,769	3/4	127,543	3/4	112,316	3/4	97,085
4		4	218,445	4	203,341	4	188,131	4	172,904	4	157,678	4	142,452	4	127,225	4	111,999	4	96,768
1/4		1/4	218,133	1/4	203,025	1/4	187,813	1/4	172,587	1/4	157,361	1/4	142,135	1/4	126,908	1/4	111,682	1/4	96,450
1/2		1/2	217,821	1/2	202,709	1/2	187,496	1/2	172,270	1/2	157,044	1/2	141,817	1/2	126,591	1/2	111,365	1/2	96,133
3/4		3/4	217,508	3/4	202,393	3/4	187,179	3/4	171,953	3/4	156,726	3/4	141,500	3/4	126,274	3/4	111,047	3/4	95,816
5		5	217,195	5	202,077	5	186,862	5	171,636	5	156,409	5	141,183	5	125,957	5	110,730	5	95,498
1/4		1/4	216,883	1/4	201,761	1/4	186,545	1/4	171,318	1/4	156,092	1/4	140,866	1/4	125,639	1/4	110,413	1/4	95,181
1/2		1/2	216,570	1/2	201,445	1/2	186,227	1/2	171,001	1/2	155,775	1/2	140,548	1/2	125,322	1/2	110,096	1/2	94,864
3/4		3/4	216,257	3/4	201,129	3/4	185,910	3/4	170,684	3/4	155,458	3/4	140,231	3/4	125,005	3/4	109,778	3/4	94,546
6		6	215,944	6	200,813	6	185,593	6	170,367	6	155,140	6	139,914	6	124,688	6	109,461	6	94,229
1/4		1/4	215,631	1/4	200,497	1/4	185,276	1/4	170,049	1/4	154,823	1/4	139,597	1/4	124,370	1/4	109,144	1/4	93,912
1/2		1/2	215,318	1/2	200,181	1/2	184,959	1/2	169,732	1/2	154,506	1/2	139,280	1/2	124,053	1/2	108,826	1/2	93,594
3/4		3/4	215,005	3/4	199,865	3/4	184,641	3/4	169,415	3/4	154,189	3/4	138,962	3/4	123,736	3/4	108,509	3/4	93,277
7		7	214,691	7	199,549	7	184,324	7	169,098	7	153,871	7	138,645	7	123,419	7	108,192	7	92,960
1/4		1/4	214,378	1/4	199,233	1/4	184,007	1/4	168,781	1/4	153,554	1/4	138,328	1/4	123,102	1/4	107,874	1/4	92,642
1/2		1/2	214,065	1/2	198,916	1/2	183,690	1/2	168,463	1/2	153,237	1/2	138,011	1/2	122,784	1/2	107,557	1/2	92,325
3/4		3/4	213,752	3/4	198,599	3/4	183,372	3/4	168,146	3/4	152,920	3/4	137,694	3/4	122,467	3/4	107,240	3/4	92,008
8		8	213,439	8	198,282	8	183,055	8	167,829	8	152,603	8	137,376	8	122,150	8	106,922	8	91,690
1/4		1/4	213,126	1/4	197,964	1/4	182,738	1/4	167,512	1/4	152,285	1/4	137,059	1/4	121,833	1/4	106,605	1/4	91,373
1/2		1/2	212,813	1/2	197,647	1/2	182,421	1/2	167,195	1/2	151,968	1/2	136,742	1/2	121,516	1/2	106,288	1/2	91,056
3/4		3/4	212,500	3/4	197,330	3/4	182,104	3/4	166,877	3/4	151,651	3/4	136,425	3/4	121,198	3/4	105,970	3/4	90,738
9		9	212,187	9	197,013	9	181,786	9	166,560	9	151,334	9	136,107	9	120,881	9	105,653	9	90,421
1/4		1/4	211,874	1/4	196,695	1/4	181,469	1/4	166,243	1/4	151,017	1/4	135,790	1/4	120,564	1/4	105,336	1/4	90,104
1/2		1/2	211,558	1/2	196,378	1/2	181,152	1/2	165,926	1/2	150,699	1/2	135,473	1/2	120,247	1/2	105,018	1/2	89,786
3/4		3/4	211,242	3/4	196,061	3/4	180,835	3/4	165,608	3/4	150,382	3/4	135,156	3/4	119,929	3/4	104,701	3/4	89,469
10		10	210,925	10	195,744	10	180,518	10	165,291	10	150,065	10	134,839	10	119,612	10	104,384	10	89,152
1/4		1/4	210,609	1/4	195,427	1/4	180,200	1/4	164,974	1/4	149,748	1/4	134,521	1/4	119,295	1/4	104,066	1/4	88,834
1/2		1/2	210,293	1/2	195,109	1/2	179,883	1/2	164,657	1/2	149,430	1/2	134,204	1/2	118,978	1/2	103,749	1/2	88,517
3/4		3/4	209,977	3/4	194,792	3/4	179,566	3/4	164,340	3/4	149,113	3/4	133,887	3/4	118,661	3/4	103,432	3/4	88,200
11		11	209,661	11	194,475	11	179,249	11	164,022	11	148,796	11	133,570	11	118,343	11	103,114	11	87,882
1/4		1/4	209,345	1/4	194,158	1/4	178,931	1/4	163,705	1/4	148,479	1/4	133,253	1/4	118,026	1/4	102,797	1/4	87,565
1/2		1/2	209,029	1/2	193,841	1/2	178,614	1/2	163,388	1/2	148,162	1/2	132,935	1/2	117,709	1/2	102,480	1/2	87,248
3/4		3/4	208,713	3/4	193,523	3/4	178,297	3/4	163,071	3/4	147,844	3/4	132,618	3/4	117,392	3/4	102,162	3/4	86,930

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 380"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 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	86,613	0	71,381	0	56,149	0	40,935	0	25,707	0	10,475	0		0		0		0	
1/4	86,296	1/4	71,064	1/4	55,832	1/4	40,619	1/4	25,389	1/4	10,158	1/4		1/4		1/4		1/4	
1/2	85,979	1/2	70,747	1/2	55,515	1/2	40,302	1/2	25,072	1/2	9,841	1/2		1/2		1/2		1/2	
3/4	85,661	3/4	70,429	3/4	55,197	3/4	39,985	3/4	24,755	3/4	9,523	3/4		3/4		3/4		3/4	
1	85,344	1	70,112	1	54,880	1	39,668	1	24,437	1	9,206	1		1		1		1	
1/4	85,027	1/4	69,795	1/4	54,563	1/4	39,351	1/4	24,120	1/4	8,889	1/4		1/4		1/4		1/4	
1/2	84,709	1/2	69,477	1/2	54,245	1/2	39,034	1/2	23,803	1/2	8,571	1/2		1/2		1/2		1/2	
3/4	84,392	3/4	69,160	3/4	53,928	3/4	38,717	3/4	23,485	3/4	8,254	3/4		3/4		3/4		3/4	
2	84,075	2	68,843	2	53,611	2	38,399	2	23,168	2	7,937	2		2		2		2	
1/4	83,757	1/4	68,525	1/4	53,293	1/4	38,082	1/4	22,851	1/4	7,619	1/4		1/4		1/4		1/4	
1/2	83,440	1/2	68,208	1/2	52,976	1/2	37,765	1/2	22,533	1/2	7,302	1/2		1/2		1/2		1/2	
3/4	83,123	3/4	67,891	3/4	52,659	3/4	37,447	3/4	22,216	3/4	6,985	3/4		3/4		3/4		3/4	
3	82,805	3	67,573	3	52,341	3	37,130	3	21,899	3	6,668	3		3		3		3	
1/4	82,488	1/4	67,256	1/4	52,024	1/4	36,813	1/4	21,582	1/4	6,350	1/4		1/4		1/4		1/4	
1/2	82,171	1/2	66,939	1/2	51,707	1/2	36,496	1/2	21,264	1/2	6,034	1/2		1/2		1/2		1/2	
3/4	81,853	3/4	66,621	3/4	51,390	3/4	36,178	3/4	20,947	3/4	5,717	3/4		3/4		3/4		3/4	
4	81,536	4	66,304	4	51,074	4	35,861	4	20,630	4	5,400	4		4		4		4	
1/4	81,219	1/4	65,987	1/4	50,757	1/4	35,544	1/4	20,312	1/4	5,083	1/4		1/4		1/4		1/4	
1/2	80,901	1/2	65,669	1/2	50,440	1/2	35,226	1/2	19,995	1/2	4,767	1/2		1/2		1/2		1/2	
3/4	80,584	3/4	65,352	3/4	50,123	3/4	34,909	3/4	19,678	3/4	4,451	3/4		3/4		3/4		3/4	
5	80,267	5	65,035	5	49,806	5	34,592	5	19,360	5	4,135	5		5		5		5	
1/4	79,949	1/4	64,717	1/4	49,489	1/4	34,274	1/4	19,043	1/4	3,820	1/4		1/4		1/4		1/4	
1/2	79,632	1/2	64,400	1/2	49,173	1/2	33,957	1/2	18,726	1/2	3,529	1/2		1/2		1/2		1/2	
3/4	79,315	3/4	64,083	3/4	48,856	3/4	33,640	3/4	18,408	3/4	3,238	3/4		3/4		3/4		3/4	
6	78,997	6	63,765	6	48,539	6	33,322	6	18,091	6	2,947	6		6		6		6	
1/4	78,680	1/4	63,448	1/4	48,222	1/4	33,005	1/4	17,774	1/4	2,656	1/4		1/4		1/4		1/4	
1/2	78,363	1/2	63,131	1/2	47,905	1/2	32,688	1/2	17,456	1/2	2,419	1/2		1/2		1/2		1/2	
3/4	78,045	3/4	62,813	3/4	47,589	3/4	32,370	3/4	17,139	3/4	2,181	3/4		3/4		3/4		3/4	
7	77,728	7	62,496	7	47,272	7	32,053	7	16,822	7	1,943	7		7		7		7	
1/4	77,411	1/4	62,179	1/4	46,955	1/4	31,736	1/4	16,504	1/4	1,705	1/4		1/4		1/4		1/4	
1/2	77,093	1/2	61,861	1/2	46,638	1/2	31,418	1/2	16,187	1/2	1,520	1/2		1/2		1/2		1/2	
3/4	76,776	3/4	61,544	3/4	46,321	3/4	31,101	3/4	15,870	3/4	1,335	3/4		3/4		3/4		3/4	
8	76,459	8	61,227	8	46,005	8	30,784	8	15,552	8	1,149	8		8		8		8	
1/4	76,141	1/4	60,909	1/4	45,688	1/4	30,466	1/4	15,235	1/4	965	1/4		1/4		1/4		1/4	
1/2	75,824	1/2	60,592	1/2	45,371	1/2	30,149	1/2	14,918	1/2		1/2		1/2		1/2		1/2	
3/4	75,507	3/4	60,275	3/4	45,054	3/4	29,832	3/4	14,601	3/4		3/4		3/4		3/4		3/4	
9	75,189	9	59,957	9	44,737	9	29,515	9	14,283	9		9		9		9		9	
1/4	74,872	1/4	59,640	1/4	44,420	1/4	29,197	1/4	13,966	1/4		1/4		1/4		1/4		1/4	
1/2	74,555	1/2	59,323	1/2	44,104	1/2	28,880	1/2	13,649	1/2		1/2		1/2		1/2		1/2	
3/4	74,237	3/4	59,005	3/4	43,787	3/4	28,563	3/4	13,331	3/4		3/4		3/4		3/4		3/4	
10	73,920	10	58,688	10	43,470	10	28,245	10	13,014	10		10		10		10		10	
1/4	73,603	1/4	58,371	1/4	43,153	1/4	27,928	1/4	12,697	1/4		1/4		1/4		1/4		1/4	
1/2	73,285	1/2	58,053	1/2	42,836	1/2	27,611	1/2	12,379	1/2		1/2		1/2		1/2		1/2	
3/4	72,968	3/4	57,736	3/4	42,520	3/4	27,293	3/4	12,062	3/4		3/4		3/4		3/4		3/4	
11	72,651	11	57,419	11	42,203	11	26,976	11	11,745	11		11		11		11		11	
1/4	72,333	1/4	57,101	1/4	41,886	1/4	26,659	1/4	11,427	1/4		1/4		1/4		1/4		1/4	
1/2	72,016	1/2	56,784	1/2	41,569	1/2	26,341	1/2	11,110	1/2		1/2		1/2		1/2		1/2	
3/4	71,699	3/4	56,467	3/4	41,252	3/4	26,024	3/4	10,793	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 -SW
CALCULATED: 02/26/2013 CL
PRINTED: 02/27/2013 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 380"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 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	208,949	0	193,761	0	178,534	0	163,308	0	148,082	0	132,856	0	117,629	0	102,400
1/4		1/4		1/4	208,633	1/4	193,444	1/4	178,217	1/4	162,991	1/4	147,765	1/4	132,538	1/4	117,312	1/4	102,083
1/2		1/2		1/2	208,317	1/2	193,126	1/2	177,900	1/2	162,674	1/2	147,447	1/2	132,221	1/2	116,995	1/2	101,765
3/4		3/4	222,109	3/4	208,001	3/4	192,809	3/4	177,583	3/4	162,356	3/4	147,130	3/4	131,904	3/4	116,678	3/4	101,448
1		1	221,927	1	207,685	1	192,492	1	177,266	1	162,039	1	146,813	1	131,587	1	116,360	1	101,131
1/4		1/4	221,745	1/4	207,369	1/4	192,175	1/4	176,948	1/4	161,722	1/4	146,496	1/4	131,269	1/4	116,043	1/4	100,813
1/2		1/2	221,563	1/2	207,053	1/2	191,857	1/2	176,631	1/2	161,405	1/2	146,179	1/2	130,952	1/2	115,726	1/2	100,496
3/4		3/4	221,381	3/4	206,737	3/4	191,540	3/4	176,314	3/4	161,088	3/4	145,861	3/4	130,635	3/4	115,409	3/4	100,179
2		2	221,147	2	206,421	2	191,223	2	175,997	2	160,770	2	145,544	2	130,318	2	115,091	2	99,861
1/4		1/4	220,913	1/4	206,105	1/4	190,906	1/4	175,679	1/4	160,453	1/4	145,227	1/4	130,001	1/4	114,774	1/4	99,544
1/2		1/2	220,680	1/2	205,789	1/2	190,589	1/2	175,362	1/2	160,136	1/2	144,910	1/2	129,683	1/2	114,457	1/2	99,227
3/4		3/4	220,446	3/4	205,473	3/4	190,271	3/4	175,045	3/4	159,819	3/4	144,592	3/4	129,366	3/4	114,140	3/4	98,909
3		3	220,159	3	205,157	3	189,954	3	174,728	3	159,502	3	144,275	3	129,049	3	113,823	3	98,592
1/4		1/4	219,873	1/4	204,841	1/4	189,637	1/4	174,411	1/4	159,184	1/4	143,958	1/4	128,732	1/4	113,505	1/4	98,275
1/2		1/2	219,586	1/2	204,525	1/2	189,320	1/2	174,093	1/2	158,867	1/2	143,641	1/2	128,414	1/2	113,188	1/2	97,957
3/4		3/4	219,300	3/4	204,209	3/4	189,003	3/4	173,776	3/4	158,550	3/4	143,324	3/4	128,097	3/4	112,871	3/4	97,640
4		4	218,988	4	203,893	4	188,685	4	173,459	4	158,233	4	143,006	4	127,780	4	112,554	4	97,323
1/4		1/4	218,677	1/4	203,577	1/4	188,368	1/4	173,142	1/4	157,915	1/4	142,689	1/4	127,463	1/4	112,237	1/4	97,005
1/2		1/2	218,365	1/2	203,261	1/2	188,051	1/2	172,825	1/2	157,598	1/2	142,372	1/2	127,146	1/2	111,919	1/2	96,688
3/4		3/4	218,053	3/4	202,945	3/4	187,734	3/4	172,507	3/4	157,281	3/4	142,055	3/4	126,828	3/4	111,602	3/4	96,371
5		5	217,741	5	202,629	5	187,416	5	172,190	5	156,964	5	141,738	5	126,511	5	111,285	5	96,053
1/4		1/4	217,428	1/4	202,313	1/4	187,099	1/4	171,873	1/4	156,647	1/4	141,420	1/4	126,194	1/4	110,968	1/4	95,736
1/2		1/2	217,116	1/2	201,997	1/2	186,782	1/2	171,556	1/2	156,329	1/2	141,103	1/2	125,877	1/2	110,650	1/2	95,419
3/4		3/4	216,803	3/4	201,681	3/4	186,465	3/4	171,238	3/4	156,012	3/4	140,786	3/4	125,560	3/4	110,333	3/4	95,101
6		6	216,490	6	201,365	6	186,148	6	170,921	6	155,695	6	140,469	6	125,242	6	110,016	6	94,784
1/4		1/4	216,177	1/4	201,049	1/4	185,830	1/4	170,604	1/4	155,378	1/4	140,151	1/4	124,925	1/4	109,699	1/4	94,467
1/2		1/2	215,864	1/2	200,733	1/2	185,513	1/2	170,287	1/2	155,061	1/2	139,834	1/2	124,608	1/2	109,381	1/2	94,149
3/4		3/4	215,551	3/4	200,417	3/4	185,196	3/4	169,970	3/4	154,743	3/4	139,517	3/4	124,291	3/4	109,064	3/4	93,832
7		7	215,238	7	200,101	7	184,879	7	169,652	7	154,426	7	139,200	7	123,973	7	108,747	7	93,515
1/4		1/4	214,925	1/4	199,785	1/4	184,562	1/4	169,335	1/4	154,109	1/4	138,883	1/4	123,656	1/4	108,429	1/4	93,197
1/2		1/2	214,612	1/2	199,469	1/2	184,244	1/2	169,018	1/2	153,792	1/2	138,565	1/2	123,339	1/2	108,112	1/2	92,880
3/4		3/4	214,298	3/4	199,153	3/4	183,927	3/4	168,701	3/4	153,474	3/4	138,248	3/4	123,022	3/4	107,795	3/4	92,563
8		8	213,985	8	198,836	8	183,610	8	168,384	8	153,157	8	137,931	8	122,705	8	107,477	8	92,245
1/4		1/4	213,672	1/4	198,519	1/4	183,293	1/4	168,066	1/4	152,840	1/4	137,614	1/4	122,387	1/4	107,160	1/4	91,928
1/2		1/2	213,359	1/2	198,202	1/2	182,975	1/2	167,749	1/2	152,523	1/2	137,297	1/2	122,070	1/2	106,843	1/2	91,611
3/4		3/4	213,046	3/4	197,885	3/4	182,658	3/4	167,432	3/4	152,206	3/4	136,979	3/4	121,753	3/4	106,525	3/4	91,293
9		9	212,733	9	197,567	9	182,341	9	167,115	9	151,888	9	136,662	9	121,436	9	106,208	9	90,976
1/4		1/4	212,420	1/4	197,250	1/4	182,024	1/4	166,797	1/4	151,571	1/4	136,345	1/4	121,119	1/4	105,891	1/4	90,659
1/2		1/2	212,107	1/2	196,933	1/2	181,707	1/2	166,480	1/2	151,254	1/2	136,028	1/2	120,801	1/2	105,573	1/2	90,341
3/4		3/4	211,794	3/4	196,616	3/4	181,389	3/4	166,163	3/4	150,937	3/4	135,710	3/4	120,484	3/4	105,256	3/4	90,024
10		10	211,478	10	196,298	10	181,072	10	165,846	10	150,620	10	135,393	10	120,167	10	104,939	10	89,707
1/4		1/4	211,162	1/4	195,981	1/4	180,755	1/4	165,529	1/4	150,302	1/4	135,076	1/4	119,850	1/4	104,621	1/4	89,389
1/2		1/2	210,846	1/2	195,664	1/2	180,438	1/2	165,211	1/2	149,985	1/2	134,759	1/2	119,532	1/2	104,304	1/2	89,072
3/4		3/4	210,529	3/4	195,347	3/4	180,121	3/4	164,894	3/4	149,668	3/4	134,442	3/4	119,215	3/4	103,987	3/4	88,755
11		11	210,213	11	195,030	11	179,803	11	164,577	11	149,351	11	134,124	11	118,898	11	103,669	11	88,437
1/4		1/4	209,897	1/4	194,712	1/4	179,486	1/4	164,260	1/4	149,033	1/4	133,807	1/4	118,581	1/4	103,352	1/4	88,120
1/2		1/2	209,581	1/2	194,395	1/2	179,169	1/2	163,943	1/2	148,716	1/2	133,490	1/2	118,264	1/2	103,035	1/2	87,803
3/4		3/4	209,265	3/4	194,078	3/4	178,852	3/4	163,625	3/4	148,399	3/4	133,173	3/4	117,946	3/4	102,717	3/4	87,485

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 380"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	87,168	0	71,936	0	56,704	0	41,551	0	26,341	0	11,110	0		0		0		0	
1/4	86,851	1/4	71,619	1/4	56,387	1/4	41,236	1/4	26,024	1/4	10,793	1/4		1/4		1/4		1/4	
1/2	86,533	1/2	71,301	1/2	56,070	1/2	40,920	1/2	25,707	1/2	10,475	1/2		1/2		1/2		1/2	
3/4	86,216	3/4	70,984	3/4	55,752	3/4	40,605	3/4	25,389	3/4	10,158	3/4		3/4		3/4		3/4	
1	85,899	1	70,667	1	55,435	1	40,290	1	25,072	1	9,841	1		1		1		1	
1/4	85,581	1/4	70,349	1/4	55,118	1/4	39,975	1/4	24,755	1/4	9,523	1/4		1/4		1/4		1/4	
1/2	85,264	1/2	70,032	1/2	54,800	1/2	39,660	1/2	24,437	1/2	9,206	1/2		1/2		1/2		1/2	
3/4	84,947	3/4	69,715	3/4	54,483	3/4	39,345	3/4	24,120	3/4	8,889	3/4		3/4		3/4		3/4	
2	84,629	2	69,397	2	54,166	2	39,029	2	23,803	2	8,571	2		2		2		2	
1/4	84,312	1/4	69,080	1/4	53,848	1/4	38,713	1/4	23,485	1/4	8,254	1/4		1/4		1/4		1/4	
1/2	83,995	1/2	68,763	1/2	53,531	1/2	38,398	1/2	23,168	1/2	7,937	1/2		1/2		1/2		1/2	
3/4	83,677	3/4	68,445	3/4	53,214	3/4	38,082	3/4	22,851	3/4	7,619	3/4		3/4		3/4		3/4	
3	83,360	3	68,128	3	52,898	3	37,765	3	22,533	3	7,302	3		3		3		3	
1/4	83,043	1/4	67,811	1/4	52,582	1/4	37,447	1/4	22,216	1/4	6,985	1/4		1/4		1/4		1/4	
1/2	82,725	1/2	67,493	1/2	52,267	1/2	37,130	1/2	21,899	1/2	6,668	1/2		1/2		1/2		1/2	
3/4	82,408	3/4	67,176	3/4	51,951	3/4	36,813	3/4	21,581	3/4	6,350	3/4		3/4		3/4		3/4	
4	82,091	4	66,859	4	51,636	4	36,495	4	21,264	4	6,033	4		4		4		4	
1/4	81,773	1/4	66,541	1/4	51,321	1/4	36,178	1/4	20,947	1/4	5,717	1/4		1/4		1/4		1/4	
1/2	81,456	1/2	66,224	1/2	51,005	1/2	35,861	1/2	20,630	1/2	5,400	1/2		1/2		1/2		1/2	
3/4	81,139	3/4	65,907	3/4	50,690	3/4	35,544	3/4	20,312	3/4	5,083	3/4		3/4		3/4		3/4	
5	80,821	5	65,589	5	50,375	5	35,226	5	19,995	5	4,767	5		5		5		5	
1/4	80,504	1/4	65,272	1/4	50,060	1/4	34,909	1/4	19,678	1/4	4,451	1/4		1/4		1/4		1/4	
1/2	80,187	1/2	64,955	1/2	49,745	1/2	34,592	1/2	19,360	1/2	4,135	1/2		1/2		1/2		1/2	
3/4	79,869	3/4	64,638	3/4	49,430	3/4	34,274	3/4	19,043	3/4	3,820	3/4		3/4		3/4		3/4	
6	79,552	6	64,320	6	49,114	6	33,957	6	18,726	6	3,529	6		6		6		6	
1/4	79,235	1/4	64,003	1/4	48,799	1/4	33,640	1/4	18,408	1/4	3,238	1/4		1/4		1/4		1/4	
1/2	78,917	1/2	63,686	1/2	48,484	1/2	33,322	1/2	18,091	1/2	2,947	1/2		1/2		1/2		1/2	
3/4	78,600	3/4	63,368	3/4	48,169	3/4	33,005	3/4	17,774	3/4	2,656	3/4		3/4		3/4		3/4	
7	78,283	7	63,051	7	47,854	7	32,688	7	17,456	7	2,418	7		7		7		7	
1/4	77,965	1/4	62,734	1/4	47,539	1/4	32,370	1/4	17,139	1/4	2,181	1/4		1/4		1/4		1/4	
1/2	77,648	1/2	62,416	1/2	47,224	1/2	32,053	1/2	16,822	1/2	1,943	1/2		1/2		1/2		1/2	
3/4	77,331	3/4	62,099	3/4	46,908	3/4	31,736	3/4	16,504	3/4	1,705	3/4		3/4		3/4		3/4	
8	77,013	8	61,782	8	46,593	8	31,418	8	16,187	8	1,520	8		8		8		8	
1/4	76,696	1/4	61,464	1/4	46,278	1/4	31,101	1/4	15,870	1/4	1,334	1/4		1/4		1/4		1/4	
1/2	76,379	1/2	61,147	1/2	45,963	1/2	30,784	1/2	15,552	1/2	1,149	1/2		1/2		1/2		1/2	
3/4	76,061	3/4	60,830	3/4	45,648	3/4	30,466	3/4	15,235	3/4	965	3/4		3/4		3/4		3/4	
9	75,744	9	60,512	9	45,333	9	30,149	9	14,918	9		9		9		9		9	
1/4	75,427	1/4	60,195	1/4	45,017	1/4	29,832	1/4	14,600	1/4		1/4		1/4		1/4		1/4	
1/2	75,109	1/2	59,878	1/2	44,702	1/2	29,514	1/2	14,283	1/2		1/2		1/2		1/2		1/2	
3/4	74,792	3/4	59,560	3/4	44,387	3/4	29,197	3/4	13,966	3/4		3/4		3/4		3/4		3/4	
10	74,475	10	59,243	10	44,072	10	28,880	10	13,649	10		10		10		10		10	
1/4	74,157	1/4	58,926	1/4	43,757	1/4	28,562	1/4	13,331	1/4		1/4		1/4		1/4		1/4	
1/2	73,840	1/2	58,608	1/2	43,442	1/2	28,245	1/2	13,014	1/2		1/2		1/2		1/2		1/2	
3/4	73,523	3/4	58,291	3/4	43,127	3/4	27,928	3/4	12,697	3/4		3/4		3/4		3/4		3/4	
11	73,205	11	57,974	11	42,811	11	27,611	11	12,379	11		11		11		11		11	
1/4	72,888	1/4	57,656	1/4	42,496	1/4	27,293	1/4	12,062	1/4		1/4		1/4		1/4		1/4	
1/2	72,571	1/2	57,339	1/2	42,181	1/2	26,976	1/2	11,745	1/2		1/2		1/2		1/2		1/2	
3/4	72,253	3/4	57,022	3/4	41,866	3/4	26,659	3/4	11,427	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 -SW
CALCULATED: 02/26/2013 CL
PRINTED: 02/27/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "CBC 380"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	207,937	0	192,804	0	177,635	0	162,465	0	147,295	0	132,126	0	116,956	0	101,783
1/4		1/4		1/4	207,623	1/4	192,488	1/4	177,319	1/4	162,149	1/4	146,979	1/4	131,810	1/4	116,640	1/4	101,467
1/2		1/2	221,363	1/2	207,308	1/2	192,172	1/2	177,003	1/2	161,833	1/2	146,663	1/2	131,494	1/2	116,324	1/2	101,151
3/4		3/4	221,182	3/4	206,993	3/4	191,856	3/4	176,687	3/4	161,517	3/4	146,347	3/4	131,177	3/4	116,008	3/4	100,835
1		1	221,000	1	206,678	1	191,540	1	176,371	1	161,201	1	146,031	1	130,861	1	115,692	1	100,519
1/4		1/4	220,819	1/4	206,363	1/4	191,224	1/4	176,055	1/4	160,885	1/4	145,715	1/4	130,545	1/4	115,376	1/4	100,202
1/2		1/2	220,638	1/2	206,049	1/2	190,908	1/2	175,739	1/2	160,569	1/2	145,399	1/2	130,229	1/2	115,060	1/2	99,886
3/4		3/4	220,405	3/4	205,734	3/4	190,592	3/4	175,422	3/4	160,253	3/4	145,083	3/4	129,913	3/4	114,744	3/4	99,570
2		2	220,172	2	205,419	2	190,276	2	175,106	2	159,937	2	144,767	2	129,597	2	114,428	2	99,254
1/4		1/4	219,939	1/4	205,104	1/4	189,960	1/4	174,790	1/4	159,621	1/4	144,451	1/4	129,281	1/4	114,112	1/4	98,938
1/2		1/2	219,706	1/2	204,789	1/2	189,644	1/2	174,474	1/2	159,305	1/2	144,135	1/2	128,965	1/2	113,796	1/2	98,622
3/4		3/4	219,421	3/4	204,475	3/4	189,328	3/4	174,158	3/4	158,989	3/4	143,819	3/4	128,649	3/4	113,479	3/4	98,305
3		3	219,135	3	204,160	3	189,012	3	173,842	3	158,673	3	143,503	3	128,333	3	113,163	3	97,989
1/4		1/4	218,850	1/4	203,845	1/4	188,696	1/4	173,526	1/4	158,357	1/4	143,187	1/4	128,017	1/4	112,847	1/4	97,673
1/2		1/2	218,564	1/2	203,530	1/2	188,380	1/2	173,210	1/2	158,041	1/2	142,871	1/2	127,701	1/2	112,531	1/2	97,357
3/4		3/4	218,254	3/4	203,215	3/4	188,064	3/4	172,894	3/4	157,724	3/4	142,555	3/4	127,385	3/4	112,215	3/4	97,041
4		4	217,943	4	202,900	4	187,748	4	172,578	4	157,408	4	142,239	4	127,069	4	111,899	4	96,725
1/4		1/4	217,633	1/4	202,586	1/4	187,432	1/4	172,262	1/4	157,092	1/4	141,923	1/4	126,753	1/4	111,583	1/4	96,409
1/2		1/2	217,323	1/2	202,271	1/2	187,116	1/2	171,946	1/2	156,776	1/2	141,607	1/2	126,437	1/2	111,267	1/2	96,092
3/4		3/4	217,011	3/4	201,956	3/4	186,800	3/4	171,630	3/4	156,460	3/4	141,291	3/4	126,121	3/4	110,951	3/4	95,776
5		5	216,700	5	201,641	5	186,484	5	171,314	5	156,144	5	140,975	5	125,805	5	110,635	5	95,460
1/4		1/4	216,388	1/4	201,326	1/4	186,168	1/4	170,998	1/4	155,828	1/4	140,659	1/4	125,489	1/4	110,319	1/4	95,144
1/2		1/2	216,077	1/2	201,012	1/2	185,852	1/2	170,682	1/2	155,512	1/2	140,343	1/2	125,173	1/2	110,003	1/2	94,828
3/4		3/4	215,765	3/4	200,697	3/4	185,536	3/4	170,366	3/4	155,196	3/4	140,026	3/4	124,857	3/4	109,687	3/4	94,512
6		6	215,453	6	200,382	6	185,220	6	170,050	6	154,880	6	139,710	6	124,541	6	109,371	6	94,195
1/4		1/4	215,141	1/4	200,067	1/4	184,904	1/4	169,734	1/4	154,564	1/4	139,394	1/4	124,225	1/4	109,055	1/4	93,879
1/2		1/2	214,829	1/2	199,752	1/2	184,588	1/2	169,418	1/2	154,248	1/2	139,078	1/2	123,909	1/2	108,738	1/2	93,563
3/4		3/4	214,517	3/4	199,438	3/4	184,271	3/4	169,102	3/4	153,932	3/4	138,762	3/4	123,593	3/4	108,422	3/4	93,247
7		7	214,206	7	199,123	7	183,955	7	168,786	7	153,616	7	138,446	7	123,277	7	108,106	7	92,931
1/4		1/4	213,894	1/4	198,808	1/4	183,639	1/4	168,470	1/4	153,300	1/4	138,130	1/4	122,961	1/4	107,790	1/4	92,615
1/2		1/2	213,582	1/2	198,493	1/2	183,323	1/2	168,154	1/2	152,984	1/2	137,814	1/2	122,645	1/2	107,474	1/2	92,299
3/4		3/4	213,270	3/4	198,177	3/4	183,007	3/4	167,838	3/4	152,668	3/4	137,498	3/4	122,328	3/4	107,158	3/4	91,982
8		8	212,958	8	197,861	8	182,691	8	167,522	8	152,352	8	137,182	8	122,012	8	106,842	8	91,666
1/4		1/4	212,646	1/4	197,545	1/4	182,375	1/4	167,206	1/4	152,036	1/4	136,866	1/4	121,696	1/4	106,525	1/4	91,350
1/2		1/2	212,334	1/2	197,229	1/2	182,059	1/2	166,890	1/2	151,720	1/2	136,550	1/2	121,380	1/2	106,209	1/2	91,034
3/4		3/4	212,022	3/4	196,913	3/4	181,743	3/4	166,573	3/4	151,404	3/4	136,234	3/4	121,064	3/4	105,893	3/4	90,718
9		9	211,710	9	196,597	9	181,427	9	166,257	9	151,088	9	135,918	9	120,748	9	105,577	9	90,402
1/4		1/4	211,398	1/4	196,281	1/4	181,111	1/4	165,941	1/4	150,772	1/4	135,602	1/4	120,432	1/4	105,261	1/4	90,085
1/2		1/2	211,086	1/2	195,965	1/2	180,795	1/2	165,625	1/2	150,456	1/2	135,286	1/2	120,116	1/2	104,945	1/2	89,769
3/4		3/4	210,772	3/4	195,649	3/4	180,479	3/4	165,309	3/4	150,140	3/4	134,970	3/4	119,800	3/4	104,628	3/4	89,453
10		10	210,457	10	195,333	10	180,163	10	164,993	10	149,824	10	134,654	10	119,484	10	104,312	10	89,137
1/4		1/4	210,142	1/4	195,017	1/4	179,847	1/4	164,677	1/4	149,508	1/4	134,338	1/4	119,168	1/4	103,996	1/4	88,821
1/2		1/2	209,827	1/2	194,701	1/2	179,531	1/2	164,361	1/2	149,192	1/2	134,022	1/2	118,852	1/2	103,680	1/2	88,505
3/4		3/4	209,512	3/4	194,385	3/4	179,215	3/4	164,045	3/4	148,875	3/4	133,706	3/4	118,536	3/4	103,364	3/4	88,189
11		11	209,197	11	194,069	11	178,899	11	163,729	11	148,559	11	133,390	11	118,220	11	103,048	11	87,872
1/4		1/4	208,882	1/4	193,753	1/4	178,583	1/4	163,413	1/4	148,243	1/4	133,074	1/4	117,904	1/4	102,732	1/4	87,556
1/2		1/2	208,567	1/2	193,437	1/2	178,267	1/2	163,097	1/2	147,927	1/2	132,758	1/2	117,588	1/2	102,415	1/2	87,240
3/4		3/4	208,252	3/4	193,120	3/4	177,951	3/4	162,781	3/4	147,611	3/4	132,442	3/4	117,272	3/4	102,099	3/4	86,924

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 380"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 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	86,608	0	71,433	0	56,257	0	41,099	0	25,928	0	10,753	0		0		0		0	
1/4	86,292	1/4	71,116	1/4	55,941	1/4	40,784	1/4	25,612	1/4	10,437	1/4		1/4		1/4		1/4	
1/2	85,976	1/2	70,800	1/2	55,625	1/2	40,468	1/2	25,295	1/2	10,121	1/2		1/2		1/2		1/2	
3/4	85,659	3/4	70,484	3/4	55,309	3/4	40,153	3/4	24,979	3/4	9,805	3/4		3/4		3/4		3/4	
1	85,343	1	70,168	1	54,993	1	39,837	1	24,663	1	9,488	1		1		1		1	
1/4	85,027	1/4	69,852	1/4	54,676	1/4	39,521	1/4	24,347	1/4	9,172	1/4		1/4		1/4		1/4	
1/2	84,711	1/2	69,536	1/2	54,360	1/2	39,206	1/2	24,031	1/2	8,856	1/2		1/2		1/2		1/2	
3/4	84,395	3/4	69,219	3/4	54,044	3/4	38,889	3/4	23,715	3/4	8,540	3/4		3/4		3/4		3/4	
2	84,079	2	68,903	2	53,728	2	38,573	2	23,399	2	8,224	2		2		2		2	
1/4	83,762	1/4	68,587	1/4	53,412	1/4	38,257	1/4	23,082	1/4	7,908	1/4		1/4		1/4		1/4	
1/2	83,446	1/2	68,271	1/2	53,096	1/2	37,941	1/2	22,766	1/2	7,592	1/2		1/2		1/2		1/2	
3/4	83,130	3/4	67,955	3/4	52,780	3/4	37,625	3/4	22,450	3/4	7,276	3/4		3/4		3/4		3/4	
3	82,814	3	67,639	3	52,463	3	37,309	3	22,134	3	6,959	3		3		3		3	
1/4	82,498	1/4	67,323	1/4	52,147	1/4	36,993	1/4	21,818	1/4	6,643	1/4		1/4		1/4		1/4	
1/2	82,182	1/2	67,006	1/2	51,831	1/2	36,676	1/2	21,502	1/2	6,327	1/2		1/2		1/2		1/2	
3/4	81,866	3/4	66,690	3/4	51,515	3/4	36,360	3/4	21,186	3/4	6,012	3/4		3/4		3/4		3/4	
4	81,549	4	66,374	4	51,200	4	36,044	4	20,870	4	5,696	4		4		4		4	
1/4	81,233	1/4	66,058	1/4	50,884	1/4	35,728	1/4	20,553	1/4	5,380	1/4		1/4		1/4		1/4	
1/2	80,917	1/2	65,742	1/2	50,569	1/2	35,412	1/2	20,237	1/2	5,064	1/2		1/2		1/2		1/2	
3/4	80,601	3/4	65,426	3/4	50,253	3/4	35,096	3/4	19,921	3/4	4,750	3/4		3/4		3/4		3/4	
5	80,285	5	65,109	5	49,937	5	34,780	5	19,605	5	4,435	5		5		5		5	
1/4	79,969	1/4	64,793	1/4	49,622	1/4	34,464	1/4	19,289	1/4	4,121	1/4		1/4		1/4		1/4	
1/2	79,652	1/2	64,477	1/2	49,306	1/2	34,147	1/2	18,973	1/2	3,806	1/2		1/2		1/2		1/2	
3/4	79,336	3/4	64,161	3/4	48,990	3/4	33,831	3/4	18,657	3/4	3,516	3/4		3/4		3/4		3/4	
6	79,020	6	63,845	6	48,675	6	33,515	6	18,340	6	3,226	6		6		6		6	
1/4	78,704	1/4	63,529	1/4	48,359	1/4	33,199	1/4	18,024	1/4	2,937	1/4		1/4		1/4		1/4	
1/2	78,388	1/2	63,213	1/2	48,043	1/2	32,883	1/2	17,708	1/2	2,647	1/2		1/2		1/2		1/2	
3/4	78,072	3/4	62,896	3/4	47,728	3/4	32,567	3/4	17,392	3/4	2,410	3/4		3/4		3/4		3/4	
7	77,756	7	62,580	7	47,412	7	32,251	7	17,076	7	2,173	7		7		7		7	
1/4	77,439	1/4	62,264	1/4	47,097	1/4	31,934	1/4	16,760	1/4	1,936	1/4		1/4		1/4		1/4	
1/2	77,123	1/2	61,948	1/2	46,781	1/2	31,618	1/2	16,444	1/2	1,699	1/2		1/2		1/2		1/2	
3/4	76,807	3/4	61,632	3/4	46,465	3/4	31,302	3/4	16,127	3/4	1,514	3/4		3/4		3/4		3/4	
8	76,491	8	61,316	8	46,150	8	30,986	8	15,811	8	1,330	8		8		8		8	
1/4	76,175	1/4	60,999	1/4	45,834	1/4	30,670	1/4	15,495	1/4	1,146	1/4		1/4		1/4		1/4	
1/2	75,859	1/2	60,683	1/2	45,518	1/2	30,354	1/2	15,179	1/2	961	1/2		1/2		1/2		1/2	
3/4	75,542	3/4	60,367	3/4	45,203	3/4	30,038	3/4	14,863	3/4		3/4		3/4		3/4		3/4	
9	75,226	9	60,051	9	44,887	9	29,721	9	14,547	9		9		9		9		9	
1/4	74,910	1/4	59,735	1/4	44,571	1/4	29,405	1/4	14,231	1/4		1/4		1/4		1/4		1/4	
1/2	74,594	1/2	59,419	1/2	44,256	1/2	29,089	1/2	13,914	1/2		1/2		1/2		1/2		1/2	
3/4	74,278	3/4	59,103	3/4	43,940	3/4	28,773	3/4	13,598	3/4		3/4		3/4		3/4		3/4	
10	73,962	10	58,786	10	43,625	10	28,457	10	13,282	10		10		10		10		10	
1/4	73,646	1/4	58,470	1/4	43,309	1/4	28,141	1/4	12,966	1/4		1/4		1/4		1/4		1/4	
1/2	73,329	1/2	58,154	1/2	42,993	1/2	27,825	1/2	12,650	1/2		1/2		1/2		1/2		1/2	
3/4	73,013	3/4	57,838	3/4	42,678	3/4	27,508	3/4	12,334	3/4		3/4		3/4		3/4		3/4	
11	72,697	11	57,522	11	42,362	11	27,192	11	12,018	11		11		11		11		11	
1/4	72,381	1/4	57,206	1/4	42,046	1/4	26,876	1/4	11,701	1/4		1/4		1/4		1/4		1/4	
1/2	72,065	1/2	56,890	1/2	41,731	1/2	26,560	1/2	11,385	1/2		1/2		1/2		1/2		1/2	
3/4	71,749	3/4	56,573	3/4	41,415	3/4	26,244	3/4	11,069	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 -SW
CALCULATED: 02/26/2013 CL
PRINTED: 02/27/2013 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 380"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09"

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	207,900	0	192,769	0	177,600	0	162,430	0	147,260	0	132,090	0	116,921	0	101,748
1/4		1/4		1/4	207,585	1/4	192,453	1/4	177,284	1/4	162,114	1/4	146,944	1/4	131,774	1/4	116,605	1/4	101,432
1/2		1/2		1/2	207,270	1/2	192,137	1/2	176,968	1/2	161,798	1/2	146,628	1/2	131,458	1/2	116,289	1/2	101,116
3/4		3/4		3/4	206,956	3/4	191,821	3/4	176,652	3/4	161,482	3/4	146,312	3/4	131,142	3/4	115,973	3/4	100,800
1		1	220,696	1	206,641	1	191,505	1	176,335	1	161,166	1	145,996	1	130,826	1	115,657	1	100,484
1/4		1/4	220,515	1/4	206,326	1/4	191,189	1/4	176,019	1/4	160,850	1/4	145,680	1/4	130,510	1/4	115,341	1/4	100,167
1/2		1/2	220,333	1/2	206,011	1/2	190,873	1/2	175,703	1/2	160,534	1/2	145,364	1/2	130,194	1/2	115,025	1/2	99,851
3/4		3/4	220,152	3/4	205,696	3/4	190,557	3/4	175,387	3/4	160,218	3/4	145,048	3/4	129,878	3/4	114,709	3/4	99,535
2		2	219,971	2	205,381	2	190,241	2	175,071	2	159,902	2	144,732	2	129,562	2	114,392	2	99,219
1/4		1/4	219,738	1/4	205,067	1/4	189,925	1/4	174,755	1/4	159,586	1/4	144,416	1/4	129,246	1/4	114,076	1/4	98,903
1/2		1/2	219,505	1/2	204,752	1/2	189,609	1/2	174,439	1/2	159,270	1/2	144,100	1/2	128,930	1/2	113,760	1/2	98,587
3/4		3/4	219,272	3/4	204,437	3/4	189,293	3/4	174,123	3/4	158,954	3/4	143,784	3/4	128,614	3/4	113,444	3/4	98,271
3		3	219,039	3	204,122	3	188,977	3	173,807	3	158,637	3	143,468	3	128,298	3	113,128	3	97,954
1/4		1/4	218,754	1/4	203,807	1/4	188,661	1/4	173,491	1/4	158,321	1/4	143,152	1/4	127,982	1/4	112,812	1/4	97,638
1/2		1/2	218,468	1/2	203,493	1/2	188,345	1/2	173,175	1/2	158,005	1/2	142,836	1/2	127,666	1/2	112,496	1/2	97,322
3/4		3/4	218,183	3/4	203,178	3/4	188,029	3/4	172,859	3/4	157,689	3/4	142,520	3/4	127,350	3/4	112,180	3/4	97,006
4		4	217,897	4	202,863	4	187,713	4	172,543	4	157,373	4	142,204	4	127,034	4	111,864	4	96,690
1/4		1/4	217,587	1/4	202,548	1/4	187,397	1/4	172,227	1/4	157,057	1/4	141,888	1/4	126,718	1/4	111,548	1/4	96,374
1/2		1/2	217,276	1/2	202,233	1/2	187,081	1/2	171,911	1/2	156,741	1/2	141,572	1/2	126,402	1/2	111,232	1/2	96,057
3/4		3/4	216,966	3/4	201,919	3/4	186,765	3/4	171,595	3/4	156,425	3/4	141,256	3/4	126,086	3/4	110,916	3/4	95,741
5		5	216,656	5	201,604	5	186,449	5	171,279	5	156,109	5	140,939	5	125,770	5	110,600	5	95,425
1/4		1/4	216,344	1/4	201,289	1/4	186,133	1/4	170,963	1/4	155,793	1/4	140,623	1/4	125,454	1/4	110,284	1/4	95,109
1/2		1/2	216,033	1/2	200,974	1/2	185,817	1/2	170,647	1/2	155,477	1/2	140,307	1/2	125,138	1/2	109,968	1/2	94,793
3/4		3/4	215,721	3/4	200,659	3/4	185,501	3/4	170,331	3/4	155,161	3/4	139,991	3/4	124,822	3/4	109,652	3/4	94,477
6		6	215,410	6	200,344	6	185,184	6	170,015	6	154,845	6	139,675	6	124,506	6	109,336	6	94,161
1/4		1/4	215,098	1/4	200,030	1/4	184,868	1/4	169,699	1/4	154,529	1/4	139,359	1/4	124,190	1/4	109,020	1/4	93,844
1/2		1/2	214,786	1/2	199,715	1/2	184,552	1/2	169,383	1/2	154,213	1/2	139,043	1/2	123,874	1/2	108,704	1/2	93,528
3/4		3/4	214,474	3/4	199,400	3/4	184,236	3/4	169,067	3/4	153,897	3/4	138,727	3/4	123,558	3/4	108,387	3/4	93,212
7		7	214,162	7	199,085	7	183,920	7	168,751	7	153,581	7	138,411	7	123,241	7	108,071	7	92,896
1/4		1/4	213,850	1/4	198,770	1/4	183,604	1/4	168,435	1/4	153,265	1/4	138,095	1/4	122,925	1/4	107,755	1/4	92,580
1/2		1/2	213,538	1/2	198,456	1/2	183,288	1/2	168,119	1/2	152,949	1/2	137,779	1/2	122,609	1/2	107,439	1/2	92,264
3/4		3/4	213,227	3/4	198,141	3/4	182,972	3/4	167,803	3/4	152,633	3/4	137,463	3/4	122,293	3/4	107,123	3/4	91,948
8		8	212,915	8	197,826	8	182,656	8	167,486	8	152,317	8	137,147	8	121,977	8	106,807	8	91,631
1/4		1/4	212,603	1/4	197,510	1/4	182,340	1/4	167,170	1/4	152,001	1/4	136,831	1/4	121,661	1/4	106,491	1/4	91,315
1/2		1/2	212,291	1/2	197,194	1/2	182,024	1/2	166,854	1/2	151,685	1/2	136,515	1/2	121,345	1/2	106,174	1/2	90,999
3/4		3/4	211,979	3/4	196,878	3/4	181,708	3/4	166,538	3/4	151,369	3/4	136,199	3/4	121,029	3/4	105,858	3/4	90,683
9		9	211,667	9	196,562	9	181,392	9	166,222	9	151,053	9	135,883	9	120,713	9	105,542	9	90,367
1/4		1/4	211,355	1/4	196,246	1/4	181,076	1/4	165,906	1/4	150,737	1/4	135,567	1/4	120,397	1/4	105,226	1/4	90,051
1/2		1/2	211,043	1/2	195,930	1/2	180,760	1/2	165,590	1/2	150,421	1/2	135,251	1/2	120,081	1/2	104,910	1/2	89,734
3/4		3/4	210,731	3/4	195,614	3/4	180,444	3/4	165,274	3/4	150,105	3/4	134,935	3/4	119,765	3/4	104,594	3/4	89,418
10		10	210,419	10	195,298	10	180,128	10	164,958	10	149,788	10	134,619	10	119,449	10	104,277	10	89,102
1/4		1/4	210,104	1/4	194,982	1/4	179,812	1/4	164,642	1/4	149,472	1/4	134,303	1/4	119,133	1/4	103,961	1/4	88,786
1/2		1/2	209,790	1/2	194,666	1/2	179,496	1/2	164,326	1/2	149,156	1/2	133,987	1/2	118,817	1/2	103,645	1/2	88,470
3/4		3/4	209,475	3/4	194,350	3/4	179,180	3/4	164,010	3/4	148,840	3/4	133,671	3/4	118,501	3/4	103,329	3/4	88,154
11		11	209,160	11	194,033	11	178,864	11	163,694	11	148,524	11	133,355	11	118,185	11	103,013	11	87,838
1/4		1/4	208,845	1/4	193,717	1/4	178,548	1/4	163,378	1/4	148,208	1/4	133,039	1/4	117,869	1/4	102,697	1/4	87,521
1/2		1/2	208,530	1/2	193,401	1/2	178,232	1/2	163,062	1/2	147,892	1/2	132,723	1/2	117,553	1/2	102,381	1/2	87,205
3/4		3/4	208,215	3/4	193,085	3/4	177,916	3/4	162,746	3/4	147,576	3/4	132,407	3/4	117,237	3/4	102,064	3/4	86,889

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 380"

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09"

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	86,573	0	71,398	0	56,222	0	41,564	0	26,560	0	11,385	0		0		0		0	
1/4	86,257	1/4	71,081	1/4	55,906	1/4	41,262	1/4	26,244	1/4	11,069	1/4		1/4		1/4		1/4	
1/2	85,941	1/2	70,765	1/2	55,590	1/2	40,960	1/2	25,928	1/2	10,753	1/2		1/2		1/2		1/2	
3/4	85,624	3/4	70,449	3/4	55,274	3/4	40,659	3/4	25,611	3/4	10,437	3/4		3/4		3/4		3/4	
1	85,308	1	70,133	1	54,958	1	40,357	1	25,295	1	10,121	1		1		1		1	
1/4	84,992	1/4	69,817	1/4	54,642	1/4	40,055	1/4	24,979	1/4	9,804	1/4		1/4		1/4		1/4	
1/2	84,676	1/2	69,501	1/2	54,325	1/2	39,753	1/2	24,663	1/2	9,488	1/2		1/2		1/2		1/2	
3/4	84,360	3/4	69,185	3/4	54,009	3/4	39,452	3/4	24,347	3/4	9,172	3/4		3/4		3/4		3/4	
2	84,044	2	68,868	2	53,693	2	39,150	2	24,031	2	8,856	2		2		2		2	
1/4	83,728	1/4	68,552	1/4	53,377	1/4	38,848	1/4	23,715	1/4	8,540	1/4		1/4		1/4		1/4	
1/2	83,411	1/2	68,236	1/2	53,061	1/2	38,545	1/2	23,398	1/2	8,224	1/2		1/2		1/2		1/2	
3/4	83,095	3/4	67,920	3/4	52,745	3/4	38,243	3/4	23,082	3/4	7,908	3/4		3/4		3/4		3/4	
3	82,779	3	67,604	3	52,428	3	37,941	3	22,766	3	7,591	3		3		3		3	
1/4	82,463	1/4	67,288	1/4	52,126	1/4	37,625	1/4	22,450	1/4	7,275	1/4		1/4		1/4		1/4	
1/2	82,147	1/2	66,971	1/2	51,824	1/2	37,309	1/2	22,134	1/2	6,959	1/2		1/2		1/2		1/2	
3/4	81,831	3/4	66,655	3/4	51,522	3/4	36,992	3/4	21,818	3/4	6,643	3/4		3/4		3/4		3/4	
4	81,514	4	66,339	4	51,219	4	36,676	4	21,502	4	6,327	4		4		4		4	
1/4	81,198	1/4	66,023	1/4	50,918	1/4	36,360	1/4	21,185	1/4	6,011	1/4		1/4		1/4		1/4	
1/2	80,882	1/2	65,707	1/2	50,616	1/2	36,044	1/2	20,869	1/2	5,696	1/2		1/2		1/2		1/2	
3/4	80,566	3/4	65,391	3/4	50,314	3/4	35,728	3/4	20,553	3/4	5,380	3/4		3/4		3/4		3/4	
5	80,250	5	65,075	5	50,012	5	35,412	5	20,237	5	5,064	5		5		5		5	
1/4	79,934	1/4	64,758	1/4	49,711	1/4	35,096	1/4	19,921	1/4	4,750	1/4		1/4		1/4		1/4	
1/2	79,618	1/2	64,442	1/2	49,409	1/2	34,779	1/2	19,605	1/2	4,435	1/2		1/2		1/2		1/2	
3/4	79,301	3/4	64,126	3/4	49,107	3/4	34,463	3/4	19,289	3/4	4,120	3/4		3/4		3/4		3/4	
6	78,985	6	63,810	6	48,806	6	34,147	6	18,972	6	3,806	6		6		6		6	
1/4	78,669	1/4	63,494	1/4	48,504	1/4	33,831	1/4	18,656	1/4	3,516	1/4		1/4		1/4		1/4	
1/2	78,353	1/2	63,178	1/2	48,202	1/2	33,515	1/2	18,340	1/2	3,226	1/2		1/2		1/2		1/2	
3/4	78,037	3/4	62,862	3/4	47,900	3/4	33,199	3/4	18,024	3/4	2,937	3/4		3/4		3/4		3/4	
7	77,721	7	62,545	7	47,599	7	32,883	7	17,708	7	2,647	7		7		7		7	
1/4	77,405	1/4	62,229	1/4	47,297	1/4	32,567	1/4	17,392	1/4	2,410	1/4		1/4		1/4		1/4	
1/2	77,088	1/2	61,913	1/2	46,995	1/2	32,250	1/2	17,076	1/2	2,173	1/2		1/2		1/2		1/2	
3/4	76,772	3/4	61,597	3/4	46,693	3/4	31,934	3/4	16,760	3/4	1,936	3/4		3/4		3/4		3/4	
8	76,456	8	61,281	8	46,392	8	31,618	8	16,443	8	1,699	8		8		8		8	
1/4	76,140	1/4	60,965	1/4	46,090	1/4	31,302	1/4	16,127	1/4	1,514	1/4		1/4		1/4		1/4	
1/2	75,824	1/2	60,648	1/2	45,788	1/2	30,986	1/2	15,811	1/2	1,330	1/2		1/2		1/2		1/2	
3/4	75,508	3/4	60,332	3/4	45,486	3/4	30,670	3/4	15,495	3/4	1,146	3/4		3/4		3/4		3/4	
9	75,191	9	60,016	9	45,185	9	30,354	9	15,179	9	961	9		9		9		9	
1/4	74,875	1/4	59,700	1/4	44,883	1/4	30,037	1/4	14,863	1/4		1/4		1/4		1/4		1/4	
1/2	74,559	1/2	59,384	1/2	44,581	1/2	29,721	1/2	14,547	1/2		1/2		1/2		1/2		1/2	
3/4	74,243	3/4	59,068	3/4	44,279	3/4	29,405	3/4	14,230	3/4		3/4		3/4		3/4		3/4	
10	73,927	10	58,752	10	43,978	10	29,089	10	13,914	10		10		10		10		10	
1/4	73,611	1/4	58,435	1/4	43,676	1/4	28,773	1/4	13,598	1/4		1/4		1/4		1/4		1/4	
1/2	73,295	1/2	58,119	1/2	43,374	1/2	28,457	1/2	13,282	1/2		1/2		1/2		1/2		1/2	
3/4	72,978	3/4	57,803	3/4	43,072	3/4	28,141	3/4	12,966	3/4		3/4		3/4		3/4		3/4	
11	72,662	11	57,487	11	42,771	11	27,824	11	12,650	11		11		11		11		11	
1/4	72,346	1/4	57,171	1/4	42,469	1/4	27,508	1/4	12,334	1/4		1/4		1/4		1/4		1/4	
1/2	72,030	1/2	56,855	1/2	42,167	1/2	27,192	1/2	12,017	1/2		1/2		1/2		1/2		1/2	
3/4	71,714	3/4	56,538	3/4	41,866	3/4	26,876	3/4	11,701	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 -SW
CALCULATED: 02/26/2013 CL
PRINTED: 02/27/2013 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 380"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	179,327	0	171,220	0	163,095	0	154,969	0	146,556	0	131,530	0	116,451	0	101,346
1/4		1/4		1/4	179,159	1/4	171,051	1/4	162,926	1/4	154,800	1/4	146,243	1/4	131,216	1/4	116,136	1/4	101,031
1/2		1/2	186,078	1/2	178,990	1/2	170,882	1/2	162,756	1/2	154,631	1/2	145,929	1/2	130,902	1/2	115,821	1/2	100,716
3/4		3/4	186,041	3/4	178,821	3/4	170,712	3/4	162,587	3/4	154,462	3/4	145,616	3/4	130,588	3/4	115,507	3/4	100,402
1		1	186,005	1	178,653	1	170,543	1	162,418	1	154,292	1	145,303	1	130,273	1	115,192	1	100,087
1/4		1/4	185,968	1/4	178,484	1/4	170,374	1/4	162,248	1/4	154,123	1/4	144,989	1/4	129,959	1/4	114,877	1/4	99,772
1/2		1/2	185,932	1/2	178,315	1/2	170,205	1/2	162,079	1/2	153,954	1/2	144,676	1/2	129,645	1/2	114,563	1/2	99,457
3/4		3/4	185,844	3/4	178,147	3/4	170,035	3/4	161,910	3/4	153,785	3/4	144,363	3/4	129,331	3/4	114,248	3/4	99,143
2		2	185,755	2	177,978	2	169,866	2	161,741	2	153,615	2	144,049	2	129,017	2	113,933	2	98,828
1/4		1/4	185,667	1/4	177,809	1/4	169,697	1/4	161,571	1/4	153,446	1/4	143,736	1/4	128,703	1/4	113,619	1/4	98,513
1/2		1/2	185,578	1/2	177,641	1/2	169,527	1/2	161,402	1/2	153,277	1/2	143,423	1/2	128,389	1/2	113,304	1/2	98,199
3/4		3/4	185,438	3/4	177,472	3/4	169,358	3/4	161,233	3/4	153,107	3/4	143,109	3/4	128,075	3/4	112,989	3/4	97,884
3		3	185,297	3	177,303	3	169,189	3	161,064	3	152,938	3	142,796	3	127,760	3	112,675	3	97,569
1/4		1/4	185,156	1/4	177,135	1/4	169,020	1/4	160,894	1/4	152,769	1/4	142,483	1/4	127,446	1/4	112,360	1/4	97,254
1/2		1/2	185,015	1/2	176,966	1/2	168,850	1/2	160,725	1/2	152,600	1/2	142,169	1/2	127,132	1/2	112,046	1/2	96,940
3/4		3/4	184,850	3/4	176,797	3/4	168,681	3/4	160,556	3/4	152,430	3/4	141,856	3/4	126,818	3/4	111,731	3/4	96,625
4		4	184,684	4	176,629	4	168,512	4	160,386	4	152,261	4	141,543	4	126,504	4	111,416	4	96,310
1/4		1/4	184,519	1/4	176,460	1/4	168,342	1/4	160,217	1/4	152,092	1/4	141,229	1/4	126,190	1/4	111,102	1/4	95,996
1/2		1/2	184,353	1/2	176,291	1/2	168,173	1/2	160,048	1/2	151,922	1/2	140,916	1/2	125,876	1/2	110,787	1/2	95,681
3/4		3/4	184,186	3/4	176,123	3/4	168,004	3/4	159,879	3/4	151,753	3/4	140,603	3/4	125,562	3/4	110,472	3/4	95,366
5		5	184,020	5	175,954	5	167,835	5	159,709	5	151,584	5	140,289	5	125,247	5	110,158	5	95,051
1/4		1/4	183,853	1/4	175,785	1/4	167,665	1/4	159,540	1/4	151,415	1/4	139,976	1/4	124,933	1/4	109,843	1/4	94,737
1/2		1/2	183,687	1/2	175,617	1/2	167,496	1/2	159,371	1/2	151,245	1/2	139,663	1/2	124,619	1/2	109,528	1/2	94,422
3/4		3/4	183,520	3/4	175,448	3/4	167,327	3/4	159,201	3/4	151,076	3/4	139,350	3/4	124,305	3/4	109,214	3/4	94,107
6		6	183,353	6	175,279	6	167,158	6	159,032	6	150,907	6	139,037	6	123,991	6	108,899	6	93,792
1/4		1/4	183,186	1/4	175,111	1/4	166,988	1/4	158,863	1/4	150,738	1/4	138,724	1/4	123,677	1/4	108,584	1/4	93,478
1/2		1/2	183,019	1/2	174,942	1/2	166,819	1/2	158,694	1/2	150,568	1/2	138,412	1/2	123,363	1/2	108,269	1/2	93,163
3/4		3/4	182,852	3/4	174,773	3/4	166,650	3/4	158,524	3/4	150,399	3/4	138,099	3/4	123,049	3/4	107,955	3/4	92,848
7		7	182,684	7	174,605	7	166,480	7	158,355	7	150,230	7	137,786	7	122,734	7	107,640	7	92,534
1/4		1/4	182,517	1/4	174,436	1/4	166,311	1/4	158,186	1/4	150,060	1/4	137,474	1/4	122,420	1/4	107,325	1/4	92,219
1/2		1/2	182,350	1/2	174,267	1/2	166,142	1/2	158,016	1/2	149,891	1/2	137,161	1/2	122,106	1/2	107,011	1/2	91,904
3/4		3/4	182,183	3/4	174,098	3/4	165,973	3/4	157,847	3/4	149,722	3/4	136,848	3/4	121,792	3/4	106,696	3/4	91,589
8		8	182,016	8	173,929	8	165,803	8	157,678	8	149,553	8	136,536	8	121,478	8	106,381	8	91,275
1/4		1/4	181,849	1/4	173,759	1/4	165,634	1/4	157,509	1/4	149,383	1/4	136,223	1/4	121,164	1/4	106,066	1/4	90,960
1/2		1/2	181,682	1/2	173,590	1/2	165,465	1/2	157,339	1/2	149,214	1/2	135,910	1/2	120,850	1/2	105,752	1/2	90,645
3/4		3/4	181,515	3/4	173,421	3/4	165,295	3/4	157,170	3/4	149,045	3/4	135,598	3/4	120,536	3/4	105,437	3/4	90,331
9		9	181,348	9	173,252	9	165,126	9	157,001	9	148,875	9	135,285	9	120,222	9	105,122	9	90,016
1/4		1/4	181,181	1/4	173,082	1/4	164,957	1/4	156,832	1/4	148,706	1/4	134,972	1/4	119,907	1/4	104,808	1/4	89,701
1/2		1/2	181,014	1/2	172,913	1/2	164,788	1/2	156,662	1/2	148,537	1/2	134,660	1/2	119,593	1/2	104,493	1/2	89,386
3/4		3/4	180,845	3/4	172,744	3/4	164,618	3/4	156,493	3/4	148,368	3/4	134,347	3/4	119,279	3/4	104,178	3/4	89,072
10		10	180,677	10	172,574	10	164,449	10	156,324	10	148,198	10	134,034	10	118,965	10	103,863	10	88,757
1/4		1/4	180,508	1/4	172,405	1/4	164,280	1/4	156,154	1/4	148,029	1/4	133,722	1/4	118,651	1/4	103,549	1/4	88,442
1/2		1/2	180,339	1/2	172,236	1/2	164,111	1/2	155,985	1/2	147,860	1/2	133,409	1/2	118,337	1/2	103,234	1/2	88,128
3/4		3/4	180,171	3/4	172,067	3/4	163,941	3/4	155,816	3/4	147,690	3/4	133,096	3/4	118,023	3/4	102,919	3/4	87,813
11		11	180,002	11	171,897	11	163,772	11	155,647	11	147,521	11	132,783	11	117,709	11	102,605	11	87,498
1/4		1/4	179,833	1/4	171,728	1/4	163,603	1/4	155,477	1/4	147,352	1/4	132,471	1/4	117,394	1/4	102,290	1/4	87,183
1/2		1/2	179,665	1/2	171,559	1/2	163,433	1/2	155,308	1/2	147,183	1/2	132,158	1/2	117,080	1/2	101,975	1/2	86,869
3/4		3/4	179,496	3/4	171,390	3/4	163,264	3/4	155,139	3/4	146,869	3/4	131,844	3/4	116,766	3/4	101,660	3/4	86,554

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 380"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 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	86,239	0	71,130	0	56,020	0	40,922	0	25,816	0	10,707	0		0		0		0	
1/4	85,925	1/4	70,815	1/4	55,705	1/4	40,608	1/4	25,501	1/4	10,392	1/4		1/4		1/4		1/4	
1/2	85,610	1/2	70,500	1/2	55,390	1/2	40,293	1/2	25,186	1/2	10,077	1/2		1/2		1/2		1/2	
3/4	85,295	3/4	70,185	3/4	55,075	3/4	39,979	3/4	24,872	3/4	9,762	3/4		3/4		3/4		3/4	
1	84,980	1	69,870	1	54,760	1	39,664	1	24,557	1	9,448	1		1		1		1	
1/4	84,666	1/4	69,556	1/4	54,446	1/4	39,350	1/4	24,242	1/4	9,133	1/4		1/4		1/4		1/4	
1/2	84,351	1/2	69,241	1/2	54,131	1/2	39,036	1/2	23,927	1/2	8,818	1/2		1/2		1/2		1/2	
3/4	84,036	3/4	68,926	3/4	53,816	3/4	38,721	3/4	23,613	3/4	8,503	3/4		3/4		3/4		3/4	
2	83,721	2	68,611	2	53,501	2	38,407	2	23,298	2	8,188	2		2		2		2	
1/4	83,406	1/4	68,296	1/4	53,186	1/4	38,092	1/4	22,983	1/4	7,874	1/4		1/4		1/4		1/4	
1/2	83,092	1/2	67,982	1/2	52,872	1/2	37,778	1/2	22,668	1/2	7,559	1/2		1/2		1/2		1/2	
3/4	82,777	3/4	67,667	3/4	52,557	3/4	37,463	3/4	22,353	3/4	7,244	3/4		3/4		3/4		3/4	
3	82,462	3	67,352	3	52,242	3	37,148	3	22,039	3	6,929	3		3		3		3	
1/4	82,147	1/4	67,037	1/4	51,927	1/4	36,833	1/4	21,724	1/4	6,615	1/4		1/4		1/4		1/4	
1/2	81,832	1/2	66,722	1/2	51,612	1/2	36,518	1/2	21,409	1/2	6,300	1/2		1/2		1/2		1/2	
3/4	81,518	3/4	66,408	3/4	51,298	3/4	36,204	3/4	21,094	3/4	5,986	3/4		3/4		3/4		3/4	
4	81,203	4	66,093	4	50,983	4	35,889	4	20,780	4	5,671	4		4		4		4	
1/4	80,888	1/4	65,778	1/4	50,668	1/4	35,574	1/4	20,465	1/4	5,357	1/4		1/4		1/4		1/4	
1/2	80,573	1/2	65,463	1/2	50,354	1/2	35,259	1/2	20,150	1/2	5,043	1/2		1/2		1/2		1/2	
3/4	80,258	3/4	65,148	3/4	50,039	3/4	34,945	3/4	19,835	3/4	4,729	3/4		3/4		3/4		3/4	
5	79,944	5	64,834	5	49,725	5	34,630	5	19,520	5	4,416	5		5		5		5	
1/4	79,629	1/4	64,519	1/4	49,411	1/4	34,315	1/4	19,206	1/4	4,103	1/4		1/4		1/4		1/4	
1/2	79,314	1/2	64,204	1/2	49,096	1/2	34,000	1/2	18,891	1/2	3,789	1/2		1/2		1/2		1/2	
3/4	78,999	3/4	63,889	3/4	48,782	3/4	33,685	3/4	18,576	3/4	3,501	3/4		3/4		3/4		3/4	
6	78,684	6	63,575	6	48,467	6	33,371	6	18,261	6	3,213	6		6		6		6	
1/4	78,370	1/4	63,260	1/4	48,153	1/4	33,056	1/4	17,947	1/4	2,924	1/4		1/4		1/4		1/4	
1/2	78,055	1/2	62,945	1/2	47,839	1/2	32,741	1/2	17,632	1/2	2,636	1/2		1/2		1/2		1/2	
3/4	77,740	3/4	62,630	3/4	47,524	3/4	32,426	3/4	17,317	3/4	2,400	3/4		3/4		3/4		3/4	
7	77,425	7	62,315	7	47,210	7	32,112	7	17,002	7	2,164	7		7		7		7	
1/4	77,111	1/4	62,001	1/4	46,895	1/4	31,797	1/4	16,687	1/4	1,927	1/4		1/4		1/4		1/4	
1/2	76,796	1/2	61,686	1/2	46,581	1/2	31,482	1/2	16,373	1/2	1,691	1/2		1/2		1/2		1/2	
3/4	76,481	3/4	61,371	3/4	46,267	3/4	31,167	3/4	16,058	3/4	1,508	3/4		3/4		3/4		3/4	
8	76,166	8	61,056	8	45,952	8	30,852	8	15,743	8	1,324	8		8		8		8	
1/4	75,851	1/4	60,741	1/4	45,638	1/4	30,538	1/4	15,428	1/4	1,141	1/4		1/4		1/4		1/4	
1/2	75,537	1/2	60,427	1/2	45,324	1/2	30,223	1/2	15,114	1/2	957	1/2		1/2		1/2		1/2	
3/4	75,222	3/4	60,112	3/4	45,009	3/4	29,908	3/4	14,799	3/4		3/4		3/4		3/4		3/4	
9	74,907	9	59,797	9	44,695	9	29,593	9	14,484	9		9		9		9		9	
1/4	74,592	1/4	59,482	1/4	44,380	1/4	29,279	1/4	14,169	1/4		1/4		1/4		1/4		1/4	
1/2	74,277	1/2	59,167	1/2	44,066	1/2	28,964	1/2	13,854	1/2		1/2		1/2		1/2		1/2	
3/4	73,963	3/4	58,853	3/4	43,752	3/4	28,649	3/4	13,540	3/4		3/4		3/4		3/4		3/4	
10	73,648	10	58,538	10	43,437	10	28,334	10	13,225	10		10		10		10		10	
1/4	73,333	1/4	58,223	1/4	43,123	1/4	28,019	1/4	12,910	1/4		1/4		1/4		1/4		1/4	
1/2	73,018	1/2	57,908	1/2	42,808	1/2	27,705	1/2	12,595	1/2		1/2		1/2		1/2		1/2	
3/4	72,703	3/4	57,594	3/4	42,494	3/4	27,390	3/4	12,281	3/4		3/4		3/4		3/4		3/4	
11	72,389	11	57,279	11	42,180	11	27,075	11	11,966	11		11		11		11		11	
1/4	72,074	1/4	56,964	1/4	41,865	1/4	26,760	1/4	11,651	1/4		1/4		1/4		1/4		1/4	
1/2	71,759	1/2	56,649	1/2	41,551	1/2	26,446	1/2	11,336	1/2		1/2		1/2		1/2		1/2	
3/4	71,444	3/4	56,334	3/4	41,236	3/4	26,131	3/4	11,021	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 -SW
CALCULATED: 02/26/2013 CL
PRINTED: 02/27/2013 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 380"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	178,184	0	170,106	0	162,008	0	153,911	0	145,526	0	130,528	0	115,485	0	100,408
1/4		1/4		1/4	178,016	1/4	169,937	1/4	161,840	1/4	153,743	1/4	145,213	1/4	130,215	1/4	115,171	1/4	100,094
1/2		1/2	184,908	1/2	177,848	1/2	169,768	1/2	161,671	1/2	153,574	1/2	144,900	1/2	129,901	1/2	114,857	1/2	99,780
3/4		3/4	184,872	3/4	177,680	3/4	169,599	3/4	161,502	3/4	153,405	3/4	144,588	3/4	129,587	3/4	114,542	3/4	99,465
1		1	184,836	1	177,512	1	169,431	1	161,334	1	153,236	1	144,275	1	129,274	1	114,228	1	99,151
1/4		1/4	184,800	1/4	177,344	1/4	169,262	1/4	161,165	1/4	153,068	1/4	143,962	1/4	128,960	1/4	113,914	1/4	98,837
1/2		1/2	184,764	1/2	177,176	1/2	169,093	1/2	160,996	1/2	152,899	1/2	143,649	1/2	128,647	1/2	113,600	1/2	98,523
3/4		3/4	184,677	3/4	177,008	3/4	168,925	3/4	160,828	3/4	152,730	3/4	143,337	3/4	128,334	3/4	113,286	3/4	98,209
2		2	184,589	2	176,840	2	168,756	2	160,659	2	152,562	2	143,024	2	128,020	2	112,972	2	97,895
1/4		1/4	184,501	1/4	176,672	1/4	168,587	1/4	160,490	1/4	152,393	1/4	142,711	1/4	127,707	1/4	112,658	1/4	97,581
1/2		1/2	184,413	1/2	176,504	1/2	168,419	1/2	160,321	1/2	152,224	1/2	142,398	1/2	127,394	1/2	112,344	1/2	97,267
3/4		3/4	184,273	3/4	176,335	3/4	168,250	3/4	160,153	3/4	152,056	3/4	142,086	3/4	127,081	3/4	112,030	3/4	96,952
3		3	184,133	3	176,167	3	168,081	3	159,984	3	151,887	3	141,773	3	126,768	3	111,716	3	96,638
1/4		1/4	183,993	1/4	175,999	1/4	167,913	1/4	159,815	1/4	151,718	1/4	141,460	1/4	126,454	1/4	111,402	1/4	96,324
1/2		1/2	183,852	1/2	175,831	1/2	167,744	1/2	159,647	1/2	151,550	1/2	141,147	1/2	126,141	1/2	111,088	1/2	96,010
3/4		3/4	183,687	3/4	175,663	3/4	167,575	3/4	159,478	3/4	151,381	3/4	140,835	3/4	125,828	3/4	110,774	3/4	95,696
4		4	183,522	4	175,495	4	167,406	4	159,309	4	151,212	4	140,522	4	125,515	4	110,460	4	95,382
1/4		1/4	183,357	1/4	175,327	1/4	167,238	1/4	159,141	1/4	151,043	1/4	140,209	1/4	125,201	1/4	110,146	1/4	95,068
1/2		1/2	183,192	1/2	175,159	1/2	167,069	1/2	158,972	1/2	150,875	1/2	139,896	1/2	124,888	1/2	109,831	1/2	94,754
3/4		3/4	183,026	3/4	174,991	3/4	166,900	3/4	158,803	3/4	150,706	3/4	139,584	3/4	124,575	3/4	109,517	3/4	94,439
5		5	182,860	5	174,823	5	166,732	5	158,635	5	150,537	5	139,271	5	124,262	5	109,203	5	94,125
1/4		1/4	182,694	1/4	174,655	1/4	166,563	1/4	158,466	1/4	150,369	1/4	138,958	1/4	123,949	1/4	108,889	1/4	93,811
1/2		1/2	182,528	1/2	174,487	1/2	166,394	1/2	158,297	1/2	150,200	1/2	138,645	1/2	123,635	1/2	108,575	1/2	93,497
3/4		3/4	182,362	3/4	174,318	3/4	166,226	3/4	158,128	3/4	150,031	3/4	138,333	3/4	123,322	3/4	108,261	3/4	93,183
6		6	182,196	6	174,150	6	166,057	6	157,960	6	149,863	6	138,021	6	123,009	6	107,947	6	92,869
1/4		1/4	182,029	1/4	173,982	1/4	165,888	1/4	157,791	1/4	149,694	1/4	137,709	1/4	122,696	1/4	107,633	1/4	92,555
1/2		1/2	181,863	1/2	173,814	1/2	165,720	1/2	157,622	1/2	149,525	1/2	137,397	1/2	122,383	1/2	107,319	1/2	92,241
3/4		3/4	181,696	3/4	173,646	3/4	165,551	3/4	157,454	3/4	149,357	3/4	137,085	3/4	122,069	3/4	107,005	3/4	91,926
7		7	181,530	7	173,478	7	165,382	7	157,285	7	149,188	7	136,773	7	121,756	7	106,690	7	91,612
1/4		1/4	181,363	1/4	173,310	1/4	165,213	1/4	157,116	1/4	149,019	1/4	136,461	1/4	121,443	1/4	106,376	1/4	91,298
1/2		1/2	181,197	1/2	173,142	1/2	165,045	1/2	156,948	1/2	148,850	1/2	136,149	1/2	121,130	1/2	106,062	1/2	90,984
3/4		3/4	181,030	3/4	172,973	3/4	164,876	3/4	156,779	3/4	148,682	3/4	135,837	3/4	120,816	3/4	105,748	3/4	90,670
8		8	180,864	8	172,805	8	164,707	8	156,610	8	148,513	8	135,524	8	120,503	8	105,434	8	90,356
1/4		1/4	180,697	1/4	172,636	1/4	164,539	1/4	156,442	1/4	148,344	1/4	135,212	1/4	120,189	1/4	105,120	1/4	90,042
1/2		1/2	180,531	1/2	172,467	1/2	164,370	1/2	156,273	1/2	148,176	1/2	134,900	1/2	119,876	1/2	104,806	1/2	89,728
3/4		3/4	180,365	3/4	172,298	3/4	164,201	3/4	156,104	3/4	148,007	3/4	134,588	3/4	119,562	3/4	104,492	3/4	89,413
9		9	180,198	9	172,130	9	164,033	9	155,935	9	147,838	9	134,276	9	119,248	9	104,177	9	89,099
1/4		1/4	180,032	1/4	171,961	1/4	163,864	1/4	155,767	1/4	147,670	1/4	133,964	1/4	118,935	1/4	103,863	1/4	88,785
1/2		1/2	179,865	1/2	171,792	1/2	163,695	1/2	155,598	1/2	147,501	1/2	133,652	1/2	118,621	1/2	103,549	1/2	88,471
3/4		3/4	179,697	3/4	171,624	3/4	163,527	3/4	155,429	3/4	147,332	3/4	133,340	3/4	118,308	3/4	103,235	3/4	88,157
10		10	179,529	10	171,455	10	163,358	10	155,261	10	147,164	10	133,028	10	117,994	10	102,921	10	87,843
1/4		1/4	179,361	1/4	171,286	1/4	163,189	1/4	155,092	1/4	146,995	1/4	132,716	1/4	117,681	1/4	102,607	1/4	87,529
1/2		1/2	179,193	1/2	171,118	1/2	163,020	1/2	154,923	1/2	146,826	1/2	132,404	1/2	117,367	1/2	102,293	1/2	87,215
3/4		3/4	179,025	3/4	170,949	3/4	162,852	3/4	154,755	3/4	146,657	3/4	132,091	3/4	117,054	3/4	101,978	3/4	86,900
11		11	178,857	11	170,780	11	162,683	11	154,586	11	146,489	11	131,779	11	116,740	11	101,664	11	86,586
1/4		1/4	178,689	1/4	170,612	1/4	162,514	1/4	154,417	1/4	146,320	1/4	131,467	1/4	116,427	1/4	101,350	1/4	86,272
1/2		1/2	178,520	1/2	170,443	1/2	162,346	1/2	154,249	1/2	146,151	1/2	131,155	1/2	116,113	1/2	101,036	1/2	85,958
3/4		3/4	178,352	3/4	170,274	3/4	162,177	3/4	154,080	3/4	145,839	3/4	130,842	3/4	115,799	3/4	100,722	3/4	85,644

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 TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 380"

3 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 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	85,330	0	70,248	0	55,223	0	40,569	0	25,777	0	10,691	0		0		0		0	
1/4	85,016	1/4	69,934	1/4	54,912	1/4	40,269	1/4	25,463	1/4	10,377	1/4		1/4		1/4		1/4	
1/2	84,701	1/2	69,620	1/2	54,600	1/2	39,969	1/2	25,149	1/2	10,063	1/2		1/2		1/2		1/2	
3/4	84,387	3/4	69,306	3/4	54,289	3/4	39,669	3/4	24,834	3/4	9,748	3/4		3/4		3/4		3/4	
1	84,073	1	68,991	1	53,977	1	39,369	1	24,520	1	9,434	1		1		1		1	
1/4	83,759	1/4	68,677	1/4	53,665	1/4	39,069	1/4	24,206	1/4	9,120	1/4		1/4		1/4		1/4	
1/2	83,445	1/2	68,363	1/2	53,354	1/2	38,769	1/2	23,891	1/2	8,806	1/2		1/2		1/2		1/2	
3/4	83,130	3/4	68,049	3/4	53,042	3/4	38,468	3/4	23,577	3/4	8,491	3/4		3/4		3/4		3/4	
2	82,816	2	67,735	2	52,731	2	38,168	2	23,263	2	8,177	2		2		2		2	
1/4	82,502	1/4	67,420	1/4	52,419	1/4	37,868	1/4	22,949	1/4	7,863	1/4		1/4		1/4		1/4	
1/2	82,188	1/2	67,106	1/2	52,107	1/2	37,568	1/2	22,634	1/2	7,548	1/2		1/2		1/2		1/2	
3/4	81,874	3/4	66,792	3/4	51,796	3/4	37,267	3/4	22,320	3/4	7,234	3/4		3/4		3/4		3/4	
3	81,559	3	66,478	3	51,486	3	36,965	3	22,006	3	6,920	3		3		3		3	
1/4	81,245	1/4	66,164	1/4	51,175	1/4	36,664	1/4	21,691	1/4	6,606	1/4		1/4		1/4		1/4	
1/2	80,931	1/2	65,849	1/2	50,864	1/2	36,363	1/2	21,377	1/2	6,291	1/2		1/2		1/2		1/2	
3/4	80,617	3/4	65,535	3/4	50,553	3/4	36,062	3/4	21,063	3/4	5,977	3/4		3/4		3/4		3/4	
4	80,303	4	65,221	4	50,242	4	35,761	4	20,749	4	5,663	4		4		4		4	
1/4	79,988	1/4	64,907	1/4	49,931	1/4	35,459	1/4	20,434	1/4	5,349	1/4		1/4		1/4		1/4	
1/2	79,674	1/2	64,593	1/2	49,621	1/2	35,158	1/2	20,120	1/2	5,035	1/2		1/2		1/2		1/2	
3/4	79,360	3/4	64,278	3/4	49,308	3/4	34,856	3/4	19,806	3/4	4,722	3/4		3/4		3/4		3/4	
5	79,046	5	63,964	5	48,996	5	34,553	5	19,491	5	4,409	5		5		5		5	
1/4	78,732	1/4	63,650	1/4	48,684	1/4	34,251	1/4	19,177	1/4	4,097	1/4		1/4		1/4		1/4	
1/2	78,417	1/2	63,336	1/2	48,372	1/2	33,949	1/2	18,863	1/2	3,784	1/2		1/2		1/2		1/2	
3/4	78,103	3/4	63,021	3/4	48,072	3/4	33,634	3/4	18,549	3/4	3,496	3/4		3/4		3/4		3/4	
6	77,789	6	62,707	6	47,772	6	33,320	6	18,234	6	3,209	6		6		6		6	
1/4	77,475	1/4	62,393	1/4	47,472	1/4	33,006	1/4	17,920	1/4	2,921	1/4		1/4		1/4		1/4	
1/2	77,161	1/2	62,079	1/2	47,172	1/2	32,692	1/2	17,606	1/2	2,634	1/2		1/2		1/2		1/2	
3/4	76,846	3/4	61,767	3/4	46,872	3/4	32,377	3/4	17,291	3/4	2,398	3/4		3/4		3/4		3/4	
7	76,532	7	61,456	7	46,572	7	32,063	7	16,977	7	2,162	7		7		7		7	
1/4	76,218	1/4	61,144	1/4	46,272	1/4	31,749	1/4	16,663	1/4	1,927	1/4		1/4		1/4		1/4	
1/2	75,904	1/2	60,832	1/2	45,971	1/2	31,434	1/2	16,349	1/2	1,691	1/2		1/2		1/2		1/2	
3/4	75,590	3/4	60,521	3/4	45,671	3/4	31,120	3/4	16,034	3/4	1,508	3/4		3/4		3/4		3/4	
8	75,275	8	60,209	8	45,371	8	30,806	8	15,720	8	1,324	8		8		8		8	
1/4	74,961	1/4	59,898	1/4	45,071	1/4	30,492	1/4	15,406	1/4	1,141	1/4		1/4		1/4		1/4	
1/2	74,647	1/2	59,586	1/2	44,771	1/2	30,177	1/2	15,091	1/2	957	1/2		1/2		1/2		1/2	
3/4	74,333	3/4	59,274	3/4	44,471	3/4	29,863	3/4	14,777	3/4		3/4		3/4		3/4		3/4	
9	74,019	9	58,963	9	44,171	9	29,549	9	14,463	9		9		9		9		9	
1/4	73,704	1/4	58,651	1/4	43,871	1/4	29,234	1/4	14,149	1/4		1/4		1/4		1/4		1/4	
1/2	73,390	1/2	58,340	1/2	43,571	1/2	28,920	1/2	13,834	1/2		1/2		1/2		1/2		1/2	
3/4	73,076	3/4	58,028	3/4	43,270	3/4	28,606	3/4	13,520	3/4		3/4		3/4		3/4		3/4	
10	72,762	10	57,716	10	42,970	10	28,292	10	13,206	10		10		10		10		10	
1/4	72,448	1/4	57,405	1/4	42,670	1/4	27,977	1/4	12,891	1/4		1/4		1/4		1/4		1/4	
1/2	72,133	1/2	57,093	1/2	42,370	1/2	27,663	1/2	12,577	1/2		1/2		1/2		1/2		1/2	
3/4	71,819	3/4	56,782	3/4	42,070	3/4	27,349	3/4	12,263	3/4		3/4		3/4		3/4		3/4	
11	71,505	11	56,470	11	41,770	11	27,034	11	11,948	11		11		11		11		11	
1/4	71,191	1/4	56,158	1/4	41,470	1/4	26,720	1/4	11,634	1/4		1/4		1/4		1/4		1/4	
1/2	70,877	1/2	55,847	1/2	41,170	1/2	26,406	1/2	11,320	1/2		1/2		1/2		1/2		1/2	
3/4	70,562	3/4	55,535	3/4	40,869	3/4	26,091	3/4	11,006	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2013 -SW
CALCULATED: 02/26/2013 CL
PRINTED: 02/27/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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