



BARGE "CBC 398"

INNAGE TRIM TABLE

HULL C-1123

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 03'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 253'-03"

September 21, 2015

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 398"

3 STBD 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	892	0	14,953	0	30,050	0	44,662	0	59,482	0	74,553	0	89,645	0	104,734	0	119,815	0	134,851
1/4	1,069	1/4	15,268	1/4	30,365	1/4	44,962	1/4	59,794	1/4	74,868	1/4	89,959	1/4	105,048	1/4	120,129	1/4	135,164
1/2	1,246	1/2	15,582	1/2	30,679	1/2	45,263	1/2	60,106	1/2	75,182	1/2	90,273	1/2	105,363	1/2	120,442	1/2	135,476
3/4	1,423	3/4	15,897	3/4	30,994	3/4	45,563	3/4	60,418	3/4	75,496	3/4	90,588	3/4	105,677	3/4	120,756	3/4	135,788
1	1,601	1	16,211	1	31,308	1	45,864	1	60,730	1	75,811	1	90,902	1	105,991	1	121,070	1	136,101
1/4	1,830	1/4	16,526	1/4	31,623	1/4	46,164	1/4	61,042	1/4	76,125	1/4	91,216	1/4	106,306	1/4	121,383	1/4	136,413
1/2	2,059	1/2	16,840	1/2	31,937	1/2	46,464	1/2	61,353	1/2	76,440	1/2	91,531	1/2	106,620	1/2	121,697	1/2	136,725
3/4	2,288	3/4	17,155	3/4	32,252	3/4	46,765	3/4	61,665	3/4	76,754	3/4	91,845	3/4	106,934	3/4	122,010	3/4	137,038
2	2,518	2	17,469	2	32,566	2	47,065	2	61,977	2	77,069	2	92,160	2	107,249	2	122,324	2	137,350
1/4	2,799	1/4	17,786	1/4	32,881	1/4	47,365	1/4	62,291	1/4	77,383	1/4	92,474	1/4	107,563	1/4	122,637	1/4	137,662
1/2	3,080	1/2	18,100	1/2	33,195	1/2	47,666	1/2	62,605	1/2	77,698	1/2	92,788	1/2	107,877	1/2	122,951	1/2	137,975
3/4	3,362	3/4	18,414	3/4	33,510	3/4	47,966	3/4	62,920	3/4	78,012	3/4	93,103	3/4	108,192	3/4	123,264	3/4	138,287
3	3,643	3	18,727	3	33,824	3	48,266	3	63,234	3	78,326	3	93,417	3	108,506	3	123,578	3	138,599
1/4	3,954	1/4	19,042	1/4	34,128	1/4	48,577	1/4	63,548	1/4	78,641	1/4	93,731	1/4	108,820	1/4	123,891	1/4	138,912
1/2	4,265	1/2	19,356	1/2	34,432	1/2	48,888	1/2	63,862	1/2	78,955	1/2	94,046	1/2	109,135	1/2	124,205	1/2	139,225
3/4	4,576	3/4	19,671	3/4	34,737	3/4	49,199	3/4	64,177	3/4	79,270	3/4	94,360	3/4	109,449	3/4	124,518	3/4	139,538
4	4,888	4	19,985	4	35,041	4	49,509	4	64,491	4	79,584	4	94,674	4	109,763	4	124,831	4	139,851
1/4	5,202	1/4	20,300	1/4	35,342	1/4	49,821	1/4	64,806	1/4	79,899	1/4	94,989	1/4	110,076	1/4	125,145	1/4	140,164
1/2	5,517	1/2	20,615	1/2	35,644	1/2	50,132	1/2	65,120	1/2	80,213	1/2	95,303	1/2	110,391	1/2	125,458	1/2	140,477
3/4	5,832	3/4	20,929	3/4	35,945	3/4	50,443	3/4	65,435	3/4	80,527	3/4	95,617	3/4	110,706	3/4	125,772	3/4	140,790
5	6,147	5	21,244	5	36,247	5	50,754	5	65,749	5	80,842	5	95,932	5	111,020	5	126,085	5	141,103
1/4	6,461	1/4	21,558	1/4	36,548	1/4	51,065	1/4	66,064	1/4	81,156	1/4	96,246	1/4	111,335	1/4	126,399	1/4	141,416
1/2	6,776	1/2	21,873	1/2	36,850	1/2	51,376	1/2	66,378	1/2	81,471	1/2	96,561	1/2	111,649	1/2	126,712	1/2	141,729
3/4	7,090	3/4	22,187	3/4	37,151	3/4	51,688	3/4	66,692	3/4	81,785	3/4	96,875	3/4	111,963	3/4	127,026	3/4	142,042
6	7,405	6	22,502	6	37,453	6	51,999	6	67,007	6	82,100	6	97,189	6	112,278	6	127,339	6	142,355
1/4	7,717	1/4	22,816	1/4	37,753	1/4	52,310	1/4	67,321	1/4	82,414	1/4	97,504	1/4	112,592	1/4	127,652	1/4	142,668
1/2	8,032	1/2	23,131	1/2	38,054	1/2	52,622	1/2	67,636	1/2	82,728	1/2	97,818	1/2	112,906	1/2	127,966	1/2	142,981
3/4	8,348	3/4	23,445	3/4	38,354	3/4	52,934	3/4	67,950	3/4	83,043	3/4	98,132	3/4	113,220	3/4	128,279	3/4	143,294
7	8,663	7	23,760	7	38,655	7	53,246	7	68,265	7	83,357	7	98,447	7	113,535	7	128,593	7	143,607
1/4	8,977	1/4	24,074	1/4	38,955	1/4	53,558	1/4	68,579	1/4	83,672	1/4	98,761	1/4	113,849	1/4	128,907	1/4	143,920
1/2	9,292	1/2	24,389	1/2	39,256	1/2	53,869	1/2	68,893	1/2	83,986	1/2	99,075	1/2	114,163	1/2	129,220	1/2	144,233
3/4	9,606	3/4	24,703	3/4	39,556	3/4	54,181	3/4	69,208	3/4	84,301	3/4	99,390	3/4	114,478	3/4	129,534	3/4	144,546
8	9,921	8	25,018	8	39,856	8	54,493	8	69,522	8	84,615	8	99,704	8	114,792	8	129,848	8	144,859
1/4	10,235	1/4	25,332	1/4	40,157	1/4	54,805	1/4	69,837	1/4	84,929	1/4	100,018	1/4	115,108	1/4	130,161	1/4	145,172
1/2	10,550	1/2	25,647	1/2	40,457	1/2	55,117	1/2	70,151	1/2	85,244	1/2	100,333	1/2	115,422	1/2	130,475	1/2	145,485
3/4	10,865	3/4	25,961	3/4	40,758	3/4	55,429	3/4	70,466	3/4	85,558	3/4	100,647	3/4	115,736	3/4	130,789	3/4	145,797
9	11,179	9	26,276	9	41,058	9	55,740	9	70,780	9	85,872	9	100,962	9	116,049	9	131,103	9	146,110
1/4	11,494	1/4	26,590	1/4	41,358	1/4	56,052	1/4	71,094	1/4	86,187	1/4	101,276	1/4	116,363	1/4	131,415	1/4	146,297
1/2	11,808	1/2	26,905	1/2	41,659	1/2	56,364	1/2	71,409	1/2	86,501	1/2	101,590	1/2	116,677	1/2	131,728	1/2	146,484
3/4	12,123	3/4	27,219	3/4	41,959	3/4	56,676	3/4	71,723	3/4	86,815	3/4	101,905	3/4	116,991	3/4	132,040	3/4	146,671
10	12,437	10	27,534	10	42,259	10	56,988	10	72,038	10	87,130	10	102,219	10	117,305	10	132,353	10	146,858
1/4	12,752	1/4	27,848	1/4	42,560	1/4	57,300	1/4	72,352	1/4	87,444	1/4	102,533	1/4	117,619	1/4	132,665	1/4	147,027
1/2	13,066	1/2	28,163	1/2	42,860	1/2	57,611	1/2	72,667	1/2	87,759	1/2	102,848	1/2	117,932	1/2	132,977	1/2	147,196
3/4	13,381	3/4	28,477	3/4	43,160	3/4	57,923	3/4	72,981	3/4	88,073	3/4	103,162	3/4	118,246	3/4	133,290	3/4	147,365
11	13,695	11	28,792	11	43,461	11	58,235	11	73,295	11	88,387	11	103,476	11	118,560	11	133,602	11	147,534
1/4	14,010	1/4	29,106	1/4	43,761	1/4	58,547	1/4	73,610	1/4	88,702	1/4	103,791	1/4	118,874	1/4	133,914	1/4	147,703
1/2	14,324	1/2	29,421	1/2	44,061	1/2	58,859	1/2	73,924	1/2	89,016	1/2	104,105	1/2	119,187	1/2	134,227	1/2	147,872
3/4	14,639	3/4	29,735	3/4	44,362	3/4	59,171	3/4	74,239	3/4	89,330	3/4	104,419	3/4	119,501	3/4	134,539	3/4	148,041

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'-06" OFF CENTERLINE AND 54'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588
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BARGE "CBC 398"

3 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GUAGE 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	148,210	0	156,322	0	164,405	0	171,928	0	178,717	0		0		0		0		0	
1/4	148,379	1/4	156,491	1/4	164,569	1/4	172,076	1/4	178,882	1/4		1/4		1/4		1/4		1/4	
1/2	148,548	1/2	156,660	1/2	164,733	1/2	172,224	1/2	179,047	1/2		1/2		1/2		1/2		1/2	
3/4	148,717	3/4	156,829	3/4	164,897	3/4	172,372	3/4	179,211	3/4		3/4		3/4		3/4		3/4	
1	148,886	1	156,998	1	165,061	1	172,520	1	179,376	1		1		1		1		1	
1/4	149,055	1/4	157,167	1/4	165,224	1/4	172,667	1/4	179,543	1/4		1/4		1/4		1/4		1/4	
1/2	149,224	1/2	157,336	1/2	165,386	1/2	172,813	1/2	179,709	1/2		1/2		1/2		1/2		1/2	
3/4	149,393	3/4	157,505	3/4	165,549	3/4	172,959	3/4	179,876	3/4		3/4		3/4		3/4		3/4	
2	149,562	2	157,674	2	165,712	2	173,105	2	180,043	2		2		2		2		2	
1/4	149,731	1/4	157,843	1/4	165,873	1/4	173,250	1/4	180,210	1/4		1/4		1/4		1/4		1/4	
1/2	149,900	1/2	158,012	1/2	166,035	1/2	173,395	1/2	180,376	1/2		1/2		1/2		1/2		1/2	
3/4	150,069	3/4	158,181	3/4	166,196	3/4	173,540	3/4	180,543	3/4		3/4		3/4		3/4		3/4	
3	150,238	3	158,350	3	166,358	3	173,684	3	180,710	3		3		3		3		3	
1/4	150,407	1/4	158,519	1/4	166,518	1/4	173,828	1/4	180,877	1/4		1/4		1/4		1/4		1/4	
1/2	150,576	1/2	158,688	1/2	166,678	1/2	173,972	1/2	181,043	1/2		1/2		1/2		1/2		1/2	
3/4	150,745	3/4	158,857	3/4	166,838	3/4	174,115	3/4	181,210	3/4		3/4		3/4		3/4		3/4	
4	150,914	4	159,026	4	166,998	4	174,259	4	181,377	4		4		4		4		4	
1/4	151,083	1/4	159,195	1/4	167,157	1/4	174,401	1/4	181,544	1/4		1/4		1/4		1/4		1/4	
1/2	151,252	1/2	159,364	1/2	167,315	1/2	174,543	1/2	181,711	1/2		1/2		1/2		1/2		1/2	
3/4	151,421	3/4	159,533	3/4	167,474	3/4	174,685	3/4	181,877	3/4		3/4		3/4		3/4		3/4	
5	151,590	5	159,702	5	167,632	5	174,827	5	182,044	5		5		5		5		5	
1/4	151,759	1/4	159,871	1/4	167,790	1/4	174,968	1/4	182,205	1/4		1/4		1/4		1/4		1/4	
1/2	151,928	1/2	160,040	1/2	167,947	1/2	175,109	1/2	182,366	1/2		1/2		1/2		1/2		1/2	
3/4	152,097	3/4	160,209	3/4	168,105	3/4	175,250	3/4	182,527	3/4		3/4		3/4		3/4		3/4	
6	152,266	6	160,378	6	168,262	6	175,390	6	182,688	6		6		6		6		6	
1/4	152,435	1/4	160,547	1/4	168,418	1/4	175,530	1/4	182,809	1/4		1/4		1/4		1/4		1/4	
1/2	152,604	1/2	160,716	1/2	168,574	1/2	175,669	1/2	182,929	1/2		1/2		1/2		1/2		1/2	
3/4	152,773	3/4	160,885	3/4	168,730	3/4	175,809	3/4	183,049	3/4		3/4		3/4		3/4		3/4	
7	152,942	7	161,054	7	168,886	7	175,948	7	183,169	7		7		7		7		7	
1/4	153,111	1/4	161,223	1/4	169,041	1/4	176,087	1/4	183,238	1/4		1/4		1/4		1/4		1/4	
1/2	153,280	1/2	161,392	1/2	169,196	1/2	176,225	1/2	183,306	1/2		1/2		1/2		1/2		1/2	
3/4	153,449	3/4	161,561	3/4	169,351	3/4	176,363	3/4	183,375	3/4		3/4		3/4		3/4		3/4	
8	153,618	8	161,730	8	169,505	8	176,501	8	183,444	8		8		8		8		8	
1/4	153,787	1/4	161,899	1/4	169,659	1/4	176,638	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,956	1/2	162,068	1/2	169,812	1/2	176,775	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,125	3/4	162,236	3/4	169,965	3/4	176,912	3/4		3/4		3/4		3/4		3/4		3/4	
9	154,294	9	162,405	9	170,119	9	177,049	9		9		9		9		9		9	
1/4	154,463	1/4	162,573	1/4	170,271	1/4	177,185	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,632	1/2	162,741	1/2	170,423	1/2	177,320	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,801	3/4	162,909	3/4	170,575	3/4	177,456	3/4		3/4		3/4		3/4		3/4		3/4	
10	154,970	10	163,077	10	170,727	10	177,591	10		10		10		10		10		10	
1/4	155,139	1/4	163,244	1/4	170,878	1/4	177,726	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,308	1/2	163,411	1/2	171,028	1/2	177,860	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,477	3/4	163,577	3/4	171,179	3/4	177,994	3/4		3/4		3/4		3/4		3/4		3/4	
11	155,646	11	163,744	11	171,330	11	178,128	11		11		11		11		11		11	
1/4	155,815	1/4	163,909	1/4	171,479	1/4	178,275	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,984	1/2	164,074	1/2	171,629	1/2	178,423	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,153	3/4	164,240	3/4	171,778	3/4	178,570	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/21/2015 CL
CALCULATED: 09/21/2015 CL
PRINTED: 09/21/20015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2015

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



BARGE "CBC 398"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08"

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	894	0	15,003	0	30,153	0	45,293	0	60,436	0	75,585	0	90,734	0	105,880	0	121,018	0	136,118
1/4	1,071	1/4	15,319	1/4	30,468	1/4	45,608	1/4	60,751	1/4	75,901	1/4	91,049	1/4	106,195	1/4	121,333	1/4	136,432
1/2	1,248	1/2	15,635	1/2	30,784	1/2	45,923	1/2	61,067	1/2	76,216	1/2	91,365	1/2	106,511	1/2	121,647	1/2	136,746
3/4	1,426	3/4	15,950	3/4	31,099	3/4	46,239	3/4	61,382	3/4	76,532	3/4	91,680	3/4	106,826	3/4	121,962	3/4	137,059
1	1,604	1	16,266	1	31,415	1	46,554	1	61,698	1	76,848	1	91,996	1	107,142	1	122,277	1	137,373
1/4	1,834	1/4	16,581	1/4	31,731	1/4	46,869	1/4	62,014	1/4	77,163	1/4	92,311	1/4	107,457	1/4	122,592	1/4	137,686
1/2	2,064	1/2	16,897	1/2	32,046	1/2	47,184	1/2	62,329	1/2	77,479	1/2	92,627	1/2	107,773	1/2	122,907	1/2	138,000
3/4	2,294	3/4	17,213	3/4	32,362	3/4	47,499	3/4	62,645	3/4	77,795	3/4	92,942	3/4	108,088	3/4	123,222	3/4	138,313
2	2,524	2	17,528	2	32,677	2	47,815	2	62,960	2	78,110	2	93,258	2	108,404	2	123,537	2	138,627
1/4	2,807	1/4	17,846	1/4	32,993	1/4	48,130	1/4	63,276	1/4	78,426	1/4	93,573	1/4	108,720	1/4	123,852	1/4	138,940
1/2	3,089	1/2	18,161	1/2	33,309	1/2	48,445	1/2	63,592	1/2	78,741	1/2	93,889	1/2	109,035	1/2	124,167	1/2	139,254
3/4	3,372	3/4	18,476	3/4	33,624	3/4	48,760	3/4	63,907	3/4	79,057	3/4	94,205	3/4	109,351	3/4	124,482	3/4	139,567
3	3,655	3	18,791	3	33,940	3	49,076	3	64,223	3	79,373	3	94,520	3	109,666	3	124,797	3	139,881
1/4	3,967	1/4	19,106	1/4	34,255	1/4	49,391	1/4	64,539	1/4	79,688	1/4	94,836	1/4	109,982	1/4	125,112	1/4	140,195
1/2	4,279	1/2	19,422	1/2	34,571	1/2	49,706	1/2	64,854	1/2	80,004	1/2	95,151	1/2	110,297	1/2	125,427	1/2	140,509
3/4	4,592	3/4	19,738	3/4	34,887	3/4	50,021	3/4	65,170	3/4	80,319	3/4	95,467	3/4	110,613	3/4	125,742	3/4	140,823
4	4,904	4	20,053	4	35,202	4	50,336	4	65,485	4	80,635	4	95,782	4	110,928	4	126,057	4	141,137
1/4	5,220	1/4	20,369	1/4	35,518	1/4	50,652	1/4	65,801	1/4	80,951	1/4	96,098	1/4	111,244	1/4	126,372	1/4	141,451
1/2	5,535	1/2	20,684	1/2	35,833	1/2	50,967	1/2	66,117	1/2	81,266	1/2	96,413	1/2	111,559	1/2	126,687	1/2	141,765
3/4	5,851	3/4	21,000	3/4	36,149	3/4	51,283	3/4	66,432	3/4	81,582	3/4	96,729	3/4	111,874	3/4	127,002	3/4	142,079
5	6,167	5	21,316	5	36,465	5	51,598	5	66,748	5	81,898	5	97,044	5	112,190	5	127,317	5	142,394
1/4	6,482	1/4	21,631	1/4	36,780	1/4	51,914	1/4	67,063	1/4	82,213	1/4	97,360	1/4	112,505	1/4	127,631	1/4	142,708
1/2	6,798	1/2	21,947	1/2	37,096	1/2	52,229	1/2	67,379	1/2	82,529	1/2	97,676	1/2	112,821	1/2	127,946	1/2	143,022
3/4	7,113	3/4	22,262	3/4	37,411	3/4	52,545	3/4	67,695	3/4	82,844	3/4	97,991	3/4	113,136	3/4	128,261	3/4	143,336
6	7,429	6	22,578	6	37,727	6	52,861	6	68,010	6	83,160	6	98,307	6	113,452	6	128,576	6	143,650
1/4	7,742	1/4	22,894	1/4	38,042	1/4	53,176	1/4	68,326	1/4	83,476	1/4	98,622	1/4	113,767	1/4	128,891	1/4	143,964
1/2	8,059	1/2	23,209	1/2	38,358	1/2	53,492	1/2	68,642	1/2	83,791	1/2	98,938	1/2	114,083	1/2	129,206	1/2	144,279
3/4	8,375	3/4	23,525	3/4	38,673	3/4	53,808	3/4	68,957	3/4	84,107	3/4	99,253	3/4	114,398	3/4	129,521	3/4	144,593
7	8,691	7	23,840	7	38,988	7	54,123	7	69,273	7	84,423	7	99,569	7	114,714	7	129,836	7	144,907
1/4	9,007	1/4	24,156	1/4	39,304	1/4	54,439	1/4	69,588	1/4	84,738	1/4	99,884	1/4	115,029	1/4	130,151	1/4	145,221
1/2	9,323	1/2	24,472	1/2	39,619	1/2	54,754	1/2	69,904	1/2	85,054	1/2	100,200	1/2	115,345	1/2	130,466	1/2	145,535
3/4	9,638	3/4	24,787	3/4	39,934	3/4	55,070	3/4	70,220	3/4	85,369	3/4	100,515	3/4	115,660	3/4	130,781	3/4	145,849
8	9,954	8	25,103	8	40,249	8	55,386	8	70,535	8	85,685	8	100,831	8	115,976	8	131,096	8	146,164
1/4	10,269	1/4	25,418	1/4	40,565	1/4	55,701	1/4	70,851	1/4	86,000	1/4	101,146	1/4	116,291	1/4	131,411	1/4	146,478
1/2	10,585	1/2	25,734	1/2	40,880	1/2	56,017	1/2	71,167	1/2	86,316	1/2	101,462	1/2	116,607	1/2	131,726	1/2	146,792
3/4	10,901	3/4	26,050	3/4	41,195	3/4	56,332	3/4	71,482	3/4	86,632	3/4	101,778	3/4	116,922	3/4	132,041	3/4	147,106
9	11,216	9	26,365	9	41,510	9	56,648	9	71,798	9	86,947	9	102,093	9	117,238	9	132,356	9	147,420
1/4	11,532	1/4	26,681	1/4	41,825	1/4	56,964	1/4	72,113	1/4	87,263	1/4	102,409	1/4	117,553	1/4	132,669	1/4	147,608
1/2	11,847	1/2	26,996	1/2	42,141	1/2	57,279	1/2	72,429	1/2	87,578	1/2	102,724	1/2	117,868	1/2	132,983	1/2	147,796
3/4	12,163	3/4	27,312	3/4	42,456	3/4	57,595	3/4	72,745	3/4	87,894	3/4	103,040	3/4	118,183	3/4	133,297	3/4	147,984
10	12,479	10	27,628	10	42,771	10	57,911	10	73,060	10	88,209	10	103,355	10	118,498	10	133,610	10	148,172
1/4	12,794	1/4	27,943	1/4	43,086	1/4	58,226	1/4	73,376	1/4	88,525	1/4	103,671	1/4	118,813	1/4	133,924	1/4	148,342
1/2	13,110	1/2	28,259	1/2	43,402	1/2	58,542	1/2	73,691	1/2	88,840	1/2	103,986	1/2	119,128	1/2	134,237	1/2	148,512
3/4	13,425	3/4	28,574	3/4	43,717	3/4	58,857	3/4	74,007	3/4	89,156	3/4	104,302	3/4	119,443	3/4	134,551	3/4	148,682
11	13,741	11	28,890	11	44,032	11	59,173	11	74,323	11	89,471	11	104,617	11	119,758	11	134,864	11	148,852
1/4	14,057	1/4	29,206	1/4	44,347	1/4	59,489	1/4	74,638	1/4	89,787	1/4	104,933	1/4	120,073	1/4	135,178	1/4	149,022
1/2	14,372	1/2	29,521	1/2	44,662	1/2	59,804	1/2	74,954	1/2	90,102	1/2	105,249	1/2	120,388	1/2	135,491	1/2	149,192
3/4	14,688	3/4	29,837	3/4	44,978	3/4	60,120	3/4	75,270	3/4	90,418	3/4	105,564	3/4	120,703	3/4	135,805	3/4	149,361

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'-06" OFF CENTERLINE AND 54'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CBC 398"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08"

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	149,531	0	157,688	0	165,815	0	173,381	0	180,213	0		0		0		0		0	
1/4	149,701	1/4	157,858	1/4	165,980	1/4	173,530	1/4	180,379	1/4		1/4		1/4		1/4		1/4	
1/2	149,871	1/2	158,028	1/2	166,145	1/2	173,679	1/2	180,544	1/2		1/2		1/2		1/2		1/2	
3/4	150,041	3/4	158,197	3/4	166,310	3/4	173,828	3/4	180,709	3/4		3/4		3/4		3/4		3/4	
1	150,211	1	158,367	1	166,474	1	173,977	1	180,875	1		1		1		1		1	
1/4	150,381	1/4	158,537	1/4	166,638	1/4	174,124	1/4	181,043	1/4		1/4		1/4		1/4		1/4	
1/2	150,551	1/2	158,707	1/2	166,802	1/2	174,272	1/2	181,210	1/2		1/2		1/2		1/2		1/2	
3/4	150,721	3/4	158,877	3/4	166,965	3/4	174,419	3/4	181,378	3/4		3/4		3/4		3/4		3/4	
2	150,891	2	159,047	2	167,129	2	174,566	2	181,546	2		2		2		2		2	
1/4	151,061	1/4	159,217	1/4	167,291	1/4	174,711	1/4	181,713	1/4		1/4		1/4		1/4		1/4	
1/2	151,231	1/2	159,387	1/2	167,454	1/2	174,857	1/2	181,881	1/2		1/2		1/2		1/2		1/2	
3/4	151,401	3/4	159,557	3/4	167,616	3/4	175,003	3/4	182,049	3/4		3/4		3/4		3/4		3/4	
3	151,570	3	159,727	3	167,779	3	175,148	3	182,217	3		3		3		3		3	
1/4	151,740	1/4	159,897	1/4	167,940	1/4	175,293	1/4	182,384	1/4		1/4		1/4		1/4		1/4	
1/2	151,910	1/2	160,067	1/2	168,100	1/2	175,437	1/2	182,552	1/2		1/2		1/2		1/2		1/2	
3/4	152,080	3/4	160,237	3/4	168,261	3/4	175,582	3/4	182,720	3/4		3/4		3/4		3/4		3/4	
4	152,250	4	160,406	4	168,422	4	175,726	4	182,887	4		4		4		4		4	
1/4	152,420	1/4	160,576	1/4	168,582	1/4	175,869	1/4	183,055	1/4		1/4		1/4		1/4		1/4	
1/2	152,590	1/2	160,746	1/2	168,742	1/2	176,012	1/2	183,223	1/2		1/2		1/2		1/2		1/2	
3/4	152,760	3/4	160,916	3/4	168,901	3/4	176,155	3/4	183,390	3/4		3/4		3/4		3/4		3/4	
5	152,930	5	161,086	5	169,061	5	176,299	5	183,558	5		5		5		5		5	
1/4	153,100	1/4	161,256	1/4	169,219	1/4	176,440	1/4	183,720	1/4		1/4		1/4		1/4		1/4	
1/2	153,270	1/2	161,426	1/2	169,377	1/2	176,582	1/2	183,882	1/2		1/2		1/2		1/2		1/2	
3/4	153,440	3/4	161,596	3/4	169,536	3/4	176,723	3/4	184,044	3/4		3/4		3/4		3/4		3/4	
6	153,610	6	161,766	6	169,694	6	176,865	6	184,206	6		6		6		6		6	
1/4	153,779	1/4	161,936	1/4	169,851	1/4	177,005	1/4	184,327	1/4		1/4		1/4		1/4		1/4	
1/2	153,949	1/2	162,106	1/2	170,008	1/2	177,146	1/2	184,448	1/2		1/2		1/2		1/2		1/2	
3/4	154,119	3/4	162,276	3/4	170,165	3/4	177,286	3/4	184,569	3/4		3/4		3/4		3/4		3/4	
7	154,289	7	162,446	7	170,322	7	177,426	7	184,690	7		7		7		7		7	
1/4	154,459	1/4	162,615	1/4	170,478	1/4	177,566	1/4	184,760	1/4		1/4		1/4		1/4		1/4	
1/2	154,629	1/2	162,785	1/2	170,633	1/2	177,705	1/2	184,829	1/2		1/2		1/2		1/2		1/2	
3/4	154,799	3/4	162,955	3/4	170,789	3/4	177,844	3/4	184,899	3/4		3/4		3/4		3/4		3/4	
8	154,969	8	163,125	8	170,944	8	177,983	8	184,968	8		8		8		8		8	
1/4	155,139	1/4	163,295	1/4	171,099	1/4	178,121	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,309	1/2	163,465	1/2	171,253	1/2	178,259	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,479	3/4	163,634	3/4	171,407	3/4	178,396	3/4		3/4		3/4		3/4		3/4		3/4	
9	155,649	9	163,804	9	171,561	9	178,534	9		9		9		9		9		9	
1/4	155,819	1/4	163,973	1/4	171,714	1/4	178,671	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,988	1/2	164,142	1/2	171,867	1/2	178,807	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,158	3/4	164,311	3/4	172,020	3/4	178,944	3/4		3/4		3/4		3/4		3/4		3/4	
10	156,328	10	164,480	10	172,173	10	179,080	10		10		10		10		10		10	
1/4	156,498	1/4	164,647	1/4	172,325	1/4	179,215	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,668	1/2	164,815	1/2	172,476	1/2	179,350	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,838	3/4	164,983	3/4	172,628	3/4	179,485	3/4		3/4		3/4		3/4		3/4		3/4	
11	157,008	11	165,150	11	172,780	11	179,620	11		11		11		11		11		11	
1/4	157,178	1/4	165,316	1/4	172,930	1/4	179,768	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,348	1/2	165,483	1/2	173,081	1/2	179,917	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,518	3/4	165,649	3/4	173,231	3/4	180,065	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/21/2015 CL
CALCULATED: 09/21/2015 CL
PRINTED: 09/21/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2015

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



BARGE "CBC 398"

2 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	895	0	15,034	0	30,214	0	45,058	0	59,888	0	75,069	0	90,250	0	105,431	0	120,607	0	135,782
1/4	1,073	1/4	15,350	1/4	30,531	1/4	45,360	1/4	60,204	1/4	75,385	1/4	90,566	1/4	105,747	1/4	120,923	1/4	136,099
1/2	1,251	1/2	15,667	1/2	30,847	1/2	45,662	1/2	60,521	1/2	75,702	1/2	90,883	1/2	106,063	1/2	121,240	1/2	136,415
3/4	1,429	3/4	15,983	3/4	31,163	3/4	45,964	3/4	60,837	3/4	76,018	3/4	91,199	3/4	106,380	3/4	121,556	3/4	136,731
1	1,607	1	16,299	1	31,479	1	46,266	1	61,153	1	76,334	1	91,515	1	106,696	1	121,872	1	137,047
1/4	1,837	1/4	16,615	1/4	31,796	1/4	46,568	1/4	61,470	1/4	76,650	1/4	91,831	1/4	107,012	1/4	122,188	1/4	137,363
1/2	2,068	1/2	16,932	1/2	32,112	1/2	46,869	1/2	61,786	1/2	76,967	1/2	92,148	1/2	107,328	1/2	122,504	1/2	137,679
3/4	2,298	3/4	17,248	3/4	32,428	3/4	47,171	3/4	62,102	3/4	77,283	3/4	92,464	3/4	107,645	3/4	122,820	3/4	137,996
2	2,529	2	17,564	2	32,744	2	47,473	2	62,418	2	77,599	2	92,780	2	107,961	2	123,136	2	138,312
1/4	2,812	1/4	17,883	1/4	33,061	1/4	47,775	1/4	62,735	1/4	77,916	1/4	93,096	1/4	108,277	1/4	123,453	1/4	138,628
1/2	3,096	1/2	18,198	1/2	33,377	1/2	48,077	1/2	63,051	1/2	78,232	1/2	93,413	1/2	108,594	1/2	123,769	1/2	138,944
3/4	3,379	3/4	18,514	3/4	33,693	3/4	48,379	3/4	63,367	3/4	78,548	3/4	93,729	3/4	108,910	3/4	124,085	3/4	139,260
3	3,662	3	18,829	3	34,009	3	48,681	3	63,683	3	78,864	3	94,045	3	109,226	3	124,401	3	139,576
1/4	3,975	1/4	19,145	1/4	34,326	1/4	48,982	1/4	64,000	1/4	79,181	1/4	94,361	1/4	109,542	1/4	124,717	1/4	139,892
1/2	4,288	1/2	19,462	1/2	34,642	1/2	49,284	1/2	64,316	1/2	79,497	1/2	94,678	1/2	109,858	1/2	125,033	1/2	140,209
3/4	4,601	3/4	19,778	3/4	34,958	3/4	49,586	3/4	64,632	3/4	79,813	3/4	94,994	3/4	110,174	3/4	125,349	3/4	140,525
4	4,914	4	20,094	4	35,274	4	49,888	4	64,949	4	80,129	4	95,310	4	110,490	4	125,666	4	140,841
1/4	5,230	1/4	20,410	1/4	35,591	1/4	50,190	1/4	65,265	1/4	80,446	1/4	95,627	1/4	110,805	1/4	125,982	1/4	141,157
1/2	5,547	1/2	20,727	1/2	35,907	1/2	50,492	1/2	65,581	1/2	80,762	1/2	95,943	1/2	111,122	1/2	126,298	1/2	141,473
3/4	5,863	3/4	21,043	3/4	36,223	3/4	50,794	3/4	65,897	3/4	81,078	3/4	96,259	3/4	111,438	3/4	126,614	3/4	141,789
5	6,179	5	21,359	5	36,540	5	51,096	5	66,214	5	81,394	5	96,575	5	111,755	5	126,930	5	142,105
1/4	6,495	1/4	21,675	1/4	36,856	1/4	51,398	1/4	66,530	1/4	81,711	1/4	96,892	1/4	112,071	1/4	127,246	1/4	142,422
1/2	6,812	1/2	21,992	1/2	37,172	1/2	51,700	1/2	66,846	1/2	82,027	1/2	97,208	1/2	112,387	1/2	127,563	1/2	142,738
3/4	7,128	3/4	22,308	3/4	37,488	3/4	52,002	3/4	67,162	3/4	82,343	3/4	97,524	3/4	112,703	3/4	127,879	3/4	143,054
6	7,444	6	22,624	6	37,805	6	52,305	6	67,479	6	82,660	6	97,840	6	113,020	6	128,195	6	143,370
1/4	7,758	1/4	22,941	1/4	38,109	1/4	52,619	1/4	67,795	1/4	82,976	1/4	98,157	1/4	113,336	1/4	128,511	1/4	143,686
1/2	8,075	1/2	23,257	1/2	38,413	1/2	52,934	1/2	68,111	1/2	83,292	1/2	98,473	1/2	113,652	1/2	128,827	1/2	144,002
3/4	8,392	3/4	23,573	3/4	38,717	3/4	53,248	3/4	68,427	3/4	83,608	3/4	98,789	3/4	113,968	3/4	129,143	3/4	144,319
7	8,709	7	23,889	7	39,021	7	53,563	7	68,744	7	83,925	7	99,106	7	114,284	7	129,459	7	144,635
1/4	9,025	1/4	24,206	1/4	39,323	1/4	53,879	1/4	69,060	1/4	84,241	1/4	99,422	1/4	114,600	1/4	129,776	1/4	144,951
1/2	9,342	1/2	24,522	1/2	39,625	1/2	54,195	1/2	69,376	1/2	84,557	1/2	99,738	1/2	114,916	1/2	130,092	1/2	145,267
3/4	9,658	3/4	24,838	3/4	39,927	3/4	54,512	3/4	69,693	3/4	84,873	3/4	100,054	3/4	115,233	3/4	130,408	3/4	145,583
8	9,974	8	25,154	8	40,229	8	54,828	8	70,009	8	85,190	8	100,371	8	115,549	8	130,724	8	145,899
1/4	10,290	1/4	25,471	1/4	40,530	1/4	55,144	1/4	70,325	1/4	85,506	1/4	100,687	1/4	115,867	1/4	131,040	1/4	146,215
1/2	10,607	1/2	25,787	1/2	40,832	1/2	55,460	1/2	70,641	1/2	85,822	1/2	101,003	1/2	116,182	1/2	131,356	1/2	146,532
3/4	10,923	3/4	26,103	3/4	41,134	3/4	55,777	3/4	70,958	3/4	86,139	3/4	101,319	3/4	116,498	3/4	131,672	3/4	146,848
9	11,239	9	26,419	9	41,436	9	56,093	9	71,274	9	86,455	9	101,636	9	116,813	9	131,989	9	147,164
1/4	11,555	1/4	26,736	1/4	41,738	1/4	56,409	1/4	71,590	1/4	86,771	1/4	101,952	1/4	117,130	1/4	132,305	1/4	147,480
1/2	11,872	1/2	27,052	1/2	42,040	1/2	56,726	1/2	71,906	1/2	87,087	1/2	102,268	1/2	117,446	1/2	132,621	1/2	147,796
3/4	12,188	3/4	27,368	3/4	42,342	3/4	57,042	3/4	72,223	3/4	87,404	3/4	102,584	3/4	117,762	3/4	132,937	3/4	148,112
10	12,504	10	27,684	10	42,643	10	57,358	10	72,539	10	87,720	10	102,901	10	118,078	10	133,253	10	148,428
1/4	12,820	1/4	28,001	1/4	42,945	1/4	57,674	1/4	72,855	1/4	88,036	1/4	103,217	1/4	118,394	1/4	133,569	1/4	148,745
1/2	13,137	1/2	28,317	1/2	43,247	1/2	57,991	1/2	73,171	1/2	88,352	1/2	103,533	1/2	118,710	1/2	133,886	1/2	149,061
3/4	13,453	3/4	28,633	3/4	43,549	3/4	58,307	3/4	73,488	3/4	88,669	3/4	103,850	3/4	119,026	3/4	134,202	3/4	149,377
11	13,769	11	28,949	11	43,851	11	58,623	11	73,804	11	88,985	11	104,166	11	119,343	11	134,518	11	149,693
1/4	14,085	1/4	29,266	1/4	44,153	1/4	58,939	1/4	74,120	1/4	89,301	1/4	104,482	1/4	119,659	1/4	134,834	1/4	150,009
1/2	14,402	1/2	29,582	1/2	44,455	1/2	59,256	1/2	74,437	1/2	89,617	1/2	104,798	1/2	119,975	1/2	135,150	1/2	150,325
3/4	14,718	3/4	29,898	3/4	44,756	3/4	59,572	3/4	74,753	3/4	89,934	3/4	105,115	3/4	120,291	3/4	135,466	3/4	150,642

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'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CBC 398"

2 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GUAGE 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	150,958	0	166,133	0	181,279	0	195,863	0	209,681	0		0		0		0		0	
1/4	151,274	1/4	166,449	1/4	181,590	1/4	196,158	1/4	209,991	1/4		1/4		1/4		1/4		1/4	
1/2	151,590	1/2	166,765	1/2	181,901	1/2	196,454	1/2	210,301	1/2		1/2		1/2		1/2		1/2	
3/4	151,906	3/4	167,081	3/4	182,212	3/4	196,749	3/4	210,611	3/4		3/4		3/4		3/4		3/4	
1	152,222	1	167,398	1	182,523	1	197,044	1	210,921	1		1		1		1		1	
1/4	152,538	1/4	167,714	1/4	182,833	1/4	197,337	1/4	211,233	1/4		1/4		1/4		1/4		1/4	
1/2	152,855	1/2	168,030	1/2	183,143	1/2	197,629	1/2	211,545	1/2		1/2		1/2		1/2		1/2	
3/4	153,171	3/4	168,346	3/4	183,453	3/4	197,922	3/4	211,857	3/4		3/4		3/4		3/4		3/4	
2	153,487	2	168,662	2	183,763	2	198,215	2	212,169	2		2		2		2		2	
1/4	153,803	1/4	168,978	1/4	184,071	1/4	198,506	1/4	212,481	1/4		1/4		1/4		1/4		1/4	
1/2	154,119	1/2	169,294	1/2	184,380	1/2	198,797	1/2	212,793	1/2		1/2		1/2		1/2		1/2	
3/4	154,435	3/4	169,611	3/4	184,689	3/4	199,089	3/4	213,105	3/4		3/4		3/4		3/4		3/4	
3	154,752	3	169,927	3	184,997	3	199,380	3	213,417	3		3		3		3		3	
1/4	155,068	1/4	170,243	1/4	185,304	1/4	199,670	1/4	213,729	1/4		1/4		1/4		1/4		1/4	
1/2	155,384	1/2	170,559	1/2	185,612	1/2	199,960	1/2	214,041	1/2		1/2		1/2		1/2		1/2	
3/4	155,700	3/4	170,875	3/4	185,919	3/4	200,250	3/4	214,353	3/4		3/4		3/4		3/4		3/4	
4	156,016	4	171,191	4	186,226	4	200,540	4	214,665	4		4		4		4		4	
1/4	156,332	1/4	171,508	1/4	186,532	1/4	200,829	1/4	214,977	1/4		1/4		1/4		1/4		1/4	
1/2	156,648	1/2	171,824	1/2	186,837	1/2	201,117	1/2	215,289	1/2		1/2		1/2		1/2		1/2	
3/4	156,965	3/4	172,140	3/4	187,143	3/4	201,406	3/4	215,601	3/4		3/4		3/4		3/4		3/4	
5	157,281	5	172,456	5	187,449	5	201,695	5	215,913	5		5		5		5		5	
1/4	157,597	1/4	172,772	1/4	187,753	1/4	201,982	1/4	216,219	1/4		1/4		1/4		1/4		1/4	
1/2	157,913	1/2	173,088	1/2	188,058	1/2	202,269	1/2	216,526	1/2		1/2		1/2		1/2		1/2	
3/4	158,229	3/4	173,404	3/4	188,362	3/4	202,556	3/4	216,832	3/4		3/4		3/4		3/4		3/4	
6	158,545	6	173,721	6	188,667	6	202,844	6	217,138	6		6		6		6		6	
1/4	158,861	1/4	174,037	1/4	188,970	1/4	203,129	1/4	217,403	1/4		1/4		1/4		1/4		1/4	
1/2	159,178	1/2	174,353	1/2	189,273	1/2	203,415	1/2	217,668	1/2		1/2		1/2		1/2		1/2	
3/4	159,494	3/4	174,669	3/4	189,577	3/4	203,701	3/4	217,933	3/4		3/4		3/4		3/4		3/4	
7	159,810	7	174,985	7	189,880	7	203,987	7	218,198	7		7		7		7		7	
1/4	160,126	1/4	175,301	1/4	190,182	1/4	204,272	1/4	218,413	1/4		1/4		1/4		1/4		1/4	
1/2	160,442	1/2	175,617	1/2	190,483	1/2	204,557	1/2	218,627	1/2		1/2		1/2		1/2		1/2	
3/4	160,758	3/4	175,934	3/4	190,785	3/4	204,841	3/4	218,841	3/4		3/4		3/4		3/4		3/4	
8	161,075	8	176,250	8	191,087	8	205,126	8	219,055	8		8		8		8		8	
1/4	161,391	1/4	176,566	1/4	191,388	1/4	205,409	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,707	1/2	176,882	1/2	191,688	1/2	205,693	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,023	3/4	177,197	3/4	191,988	3/4	205,976	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,339	9	177,513	9	192,289	9	206,259	9		9		9		9		9		9	
1/4	162,655	1/4	177,829	1/4	192,588	1/4	206,542	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,971	1/2	178,144	1/2	192,887	1/2	206,824	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,288	3/4	178,459	3/4	193,186	3/4	207,106	3/4		3/4		3/4		3/4		3/4		3/4	
10	163,604	10	178,774	10	193,485	10	207,388	10		10		10		10		10		10	
1/4	163,920	1/4	179,088	1/4	193,783	1/4	207,669	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,236	1/2	179,402	1/2	194,081	1/2	207,949	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,552	3/4	179,715	3/4	194,379	3/4	208,230	3/4		3/4		3/4		3/4		3/4		3/4	
11	164,868	11	180,029	11	194,677	11	208,511	11		11		11		11		11		11	
1/4	165,185	1/4	180,342	1/4	194,973	1/4	208,803	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,501	1/2	180,654	1/2	195,270	1/2	209,096	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,817	3/4	180,967	3/4	195,567	3/4	209,389	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/21/2015 CL
CALCULATED: 09/21/2015 CL
PRINTED: 09/21/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2015

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



BARGE "CBC 398"

2 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	897	0	15,059	0	30,264	0	45,460	0	60,655	0	75,861	0	91,067	0	106,273	0	121,475	0	136,675
1/4	1,075	1/4	15,376	1/4	30,581	1/4	45,776	1/4	60,972	1/4	76,178	1/4	91,384	1/4	106,590	1/4	121,792	1/4	136,992
1/2	1,253	1/2	15,693	1/2	30,898	1/2	46,092	1/2	61,289	1/2	76,495	1/2	91,701	1/2	106,906	1/2	122,108	1/2	137,309
3/4	1,431	3/4	16,009	3/4	31,215	3/4	46,409	3/4	61,606	3/4	76,811	3/4	92,017	3/4	107,223	3/4	122,425	3/4	137,625
1	1,609	1	16,326	1	31,531	1	46,725	1	61,922	1	77,128	1	92,334	1	107,540	1	122,742	1	137,942
1/4	1,840	1/4	16,643	1/4	31,848	1/4	47,041	1/4	62,239	1/4	77,445	1/4	92,651	1/4	107,857	1/4	123,058	1/4	138,259
1/2	2,071	1/2	16,960	1/2	32,165	1/2	47,358	1/2	62,556	1/2	77,762	1/2	92,968	1/2	108,174	1/2	123,375	1/2	138,575
3/4	2,302	3/4	17,276	3/4	32,482	3/4	47,674	3/4	62,873	3/4	78,079	3/4	93,285	3/4	108,490	3/4	123,692	3/4	138,892
2	2,533	2	17,593	2	32,799	2	47,990	2	63,190	2	78,395	2	93,601	2	108,807	2	124,008	2	139,209
1/4	2,817	1/4	17,912	1/4	33,115	1/4	48,306	1/4	63,506	1/4	78,712	1/4	93,918	1/4	109,124	1/4	124,325	1/4	139,525
1/2	3,101	1/2	18,228	1/2	33,432	1/2	48,623	1/2	63,823	1/2	79,029	1/2	94,235	1/2	109,441	1/2	124,642	1/2	139,842
3/4	3,384	3/4	18,544	3/4	33,749	3/4	48,939	3/4	64,140	3/4	79,346	3/4	94,552	3/4	109,758	3/4	124,958	3/4	140,159
3	3,668	3	18,860	3	34,066	3	49,255	3	64,457	3	79,663	3	94,868	3	110,074	3	125,275	3	140,475
1/4	3,982	1/4	19,177	1/4	34,382	1/4	49,572	1/4	64,773	1/4	79,979	1/4	95,185	1/4	110,391	1/4	125,592	1/4	140,792
1/2	4,295	1/2	19,494	1/2	34,699	1/2	49,888	1/2	65,090	1/2	80,296	1/2	95,502	1/2	110,708	1/2	125,908	1/2	141,109
3/4	4,609	3/4	19,811	3/4	35,016	3/4	50,204	3/4	65,407	3/4	80,613	3/4	95,819	3/4	111,025	3/4	126,225	3/4	141,425
4	4,922	4	20,127	4	35,333	4	50,520	4	65,724	4	80,930	4	96,136	4	111,341	4	126,542	4	141,742
1/4	5,239	1/4	20,444	1/4	35,650	1/4	50,837	1/4	66,041	1/4	81,247	1/4	96,452	1/4	111,658	1/4	126,858	1/4	142,059
1/2	5,556	1/2	20,761	1/2	35,966	1/2	51,153	1/2	66,357	1/2	81,563	1/2	96,769	1/2	111,975	1/2	127,175	1/2	142,375
3/4	5,873	3/4	21,078	3/4	36,283	3/4	51,469	3/4	66,674	3/4	81,880	3/4	97,086	3/4	112,291	3/4	127,492	3/4	142,692
5	6,189	5	21,395	5	36,600	5	51,785	5	66,991	5	82,197	5	97,403	5	112,608	5	127,808	5	143,009
1/4	6,506	1/4	21,711	1/4	36,917	1/4	52,102	1/4	67,308	1/4	82,514	1/4	97,720	1/4	112,925	1/4	128,125	1/4	143,326
1/2	6,823	1/2	22,028	1/2	37,233	1/2	52,419	1/2	67,625	1/2	82,830	1/2	98,036	1/2	113,241	1/2	128,442	1/2	143,642
3/4	7,140	3/4	22,345	3/4	37,550	3/4	52,736	3/4	67,941	3/4	83,147	3/4	98,353	3/4	113,558	3/4	128,758	3/4	143,959
6	7,456	6	22,662	6	37,867	6	53,052	6	68,258	6	83,464	6	98,670	6	113,875	6	129,075	6	144,276
1/4	7,771	1/4	22,978	1/4	38,184	1/4	53,369	1/4	68,575	1/4	83,781	1/4	98,987	1/4	114,191	1/4	129,392	1/4	144,592
1/2	8,089	1/2	23,295	1/2	38,501	1/2	53,686	1/2	68,892	1/2	84,098	1/2	99,303	1/2	114,508	1/2	129,708	1/2	144,909
3/4	8,406	3/4	23,612	3/4	38,817	3/4	54,003	3/4	69,209	3/4	84,414	3/4	99,620	3/4	114,825	3/4	130,025	3/4	145,226
7	8,723	7	23,929	7	39,134	7	54,319	7	69,525	7	84,731	7	99,937	7	115,141	7	130,342	7	145,542
1/4	9,040	1/4	24,246	1/4	39,450	1/4	54,636	1/4	69,842	1/4	85,048	1/4	100,254	1/4	115,458	1/4	130,658	1/4	145,859
1/2	9,357	1/2	24,562	1/2	39,767	1/2	54,953	1/2	70,159	1/2	85,365	1/2	100,571	1/2	115,775	1/2	130,975	1/2	146,176
3/4	9,674	3/4	24,879	3/4	40,083	3/4	55,270	3/4	70,476	3/4	85,682	3/4	100,887	3/4	116,091	3/4	131,292	3/4	146,492
8	9,991	8	25,196	8	40,399	8	55,587	8	70,792	8	85,998	8	101,204	8	116,408	8	131,608	8	146,809
1/4	10,307	1/4	25,513	1/4	40,716	1/4	55,903	1/4	71,109	1/4	86,315	1/4	101,521	1/4	116,725	1/4	131,925	1/4	147,126
1/2	10,624	1/2	25,829	1/2	41,032	1/2	56,220	1/2	71,426	1/2	86,632	1/2	101,838	1/2	117,041	1/2	132,242	1/2	147,442
3/4	10,941	3/4	26,146	3/4	41,348	3/4	56,537	3/4	71,743	3/4	86,949	3/4	102,155	3/4	117,358	3/4	132,559	3/4	147,759
9	11,258	9	26,463	9	41,665	9	56,854	9	72,060	9	87,266	9	102,471	9	117,675	9	132,875	9	148,076
1/4	11,574	1/4	26,780	1/4	41,981	1/4	57,171	1/4	72,376	1/4	87,582	1/4	102,788	1/4	117,991	1/4	133,192	1/4	148,392
1/2	11,891	1/2	27,097	1/2	42,297	1/2	57,487	1/2	72,693	1/2	87,899	1/2	103,105	1/2	118,308	1/2	133,509	1/2	148,709
3/4	12,208	3/4	27,413	3/4	42,613	3/4	57,804	3/4	73,010	3/4	88,216	3/4	103,422	3/4	118,625	3/4	133,825	3/4	149,026
10	12,525	10	27,730	10	42,930	10	58,121	10	73,327	10	88,533	10	103,739	10	118,941	10	134,142	10	149,342
1/4	12,842	1/4	28,047	1/4	43,246	1/4	58,438	1/4	73,644	1/4	88,849	1/4	104,055	1/4	119,258	1/4	134,459	1/4	149,659
1/2	13,158	1/2	28,364	1/2	43,562	1/2	58,754	1/2	73,960	1/2	89,166	1/2	104,372	1/2	119,575	1/2	134,775	1/2	149,976
3/4	13,475	3/4	28,680	3/4	43,879	3/4	59,071	3/4	74,277	3/4	89,483	3/4	104,689	3/4	119,891	3/4	135,092	3/4	150,292
11	13,792	11	28,997	11	44,195	11	59,388	11	74,594	11	89,800	11	105,006	11	120,208	11	135,409	11	150,609
1/4	14,109	1/4	29,314	1/4	44,511	1/4	59,705	1/4	74,911	1/4	90,117	1/4	105,322	1/4	120,525	1/4	135,725	1/4	150,926
1/2	14,425	1/2	29,631	1/2	44,827	1/2	60,022	1/2	75,228	1/2	90,433	1/2	105,639	1/2	120,842	1/2	136,042	1/2	151,242
3/4	14,742	3/4	29,948	3/4	45,144	3/4	60,338	3/4	75,544	3/4	90,750	3/4	105,956	3/4	121,158	3/4	136,359	3/4	151,559

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'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CBC 398"

2 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	151,876	0	167,076	0	182,247	0	196,855	0	210,696	0		0		0		0		0	
1/4	152,192	1/4	167,393	1/4	182,559	1/4	197,151	1/4	211,006	1/4		1/4		1/4		1/4		1/4	
1/2	152,509	1/2	167,710	1/2	182,870	1/2	197,447	1/2	211,316	1/2		1/2		1/2		1/2		1/2	
3/4	152,826	3/4	168,026	3/4	183,182	3/4	197,742	3/4	211,627	3/4		3/4		3/4		3/4		3/4	
1	153,142	1	168,343	1	183,493	1	198,038	1	211,937	1		1		1		1		1	
1/4	153,459	1/4	168,660	1/4	183,804	1/4	198,331	1/4	212,250	1/4		1/4		1/4		1/4		1/4	
1/2	153,776	1/2	168,976	1/2	184,114	1/2	198,624	1/2	212,562	1/2		1/2		1/2		1/2		1/2	
3/4	154,092	3/4	169,293	3/4	184,425	3/4	198,918	3/4	212,875	3/4		3/4		3/4		3/4		3/4	
2	154,409	2	169,610	2	184,735	2	199,211	2	213,187	2		2		2		2		2	
1/4	154,726	1/4	169,926	1/4	185,044	1/4	199,503	1/4	213,500	1/4		1/4		1/4		1/4		1/4	
1/2	155,043	1/2	170,243	1/2	185,353	1/2	199,794	1/2	213,812	1/2		1/2		1/2		1/2		1/2	
3/4	155,359	3/4	170,560	3/4	185,662	3/4	200,086	3/4	214,125	3/4		3/4		3/4		3/4		3/4	
3	155,676	3	170,876	3	185,971	3	200,378	3	214,437	3		3		3		3		3	
1/4	155,993	1/4	171,193	1/4	186,279	1/4	200,668	1/4	214,750	1/4		1/4		1/4		1/4		1/4	
1/2	156,309	1/2	171,510	1/2	186,587	1/2	200,959	1/2	215,063	1/2		1/2		1/2		1/2		1/2	
3/4	156,626	3/4	171,826	3/4	186,894	3/4	201,249	3/4	215,375	3/4		3/4		3/4		3/4		3/4	
4	156,943	4	172,143	4	187,202	4	201,540	4	215,688	4		4		4		4		4	
1/4	157,259	1/4	172,460	1/4	187,508	1/4	201,829	1/4	216,000	1/4		1/4		1/4		1/4		1/4	
1/2	157,576	1/2	172,776	1/2	187,815	1/2	202,118	1/2	216,313	1/2		1/2		1/2		1/2		1/2	
3/4	157,893	3/4	173,093	3/4	188,121	3/4	202,407	3/4	216,625	3/4		3/4		3/4		3/4		3/4	
5	158,209	5	173,410	5	188,427	5	202,696	5	216,938	5		5		5		5		5	
1/4	158,526	1/4	173,726	1/4	188,732	1/4	202,984	1/4	217,245	1/4		1/4		1/4		1/4		1/4	
1/2	158,843	1/2	174,043	1/2	189,037	1/2	203,272	1/2	217,551	1/2		1/2		1/2		1/2		1/2	
3/4	159,159	3/4	174,360	3/4	189,342	3/4	203,559	3/4	217,858	3/4		3/4		3/4		3/4		3/4	
6	159,476	6	174,676	6	189,647	6	203,847	6	218,165	6		6		6		6		6	
1/4	159,793	1/4	174,993	1/4	189,951	1/4	204,133	1/4	218,430	1/4		1/4		1/4		1/4		1/4	
1/2	160,109	1/2	175,310	1/2	190,255	1/2	204,420	1/2	218,696	1/2		1/2		1/2		1/2		1/2	
3/4	160,426	3/4	175,626	3/4	190,558	3/4	204,706	3/4	218,962	3/4		3/4		3/4		3/4		3/4	
7	160,743	7	175,943	7	190,862	7	204,992	7	219,227	7		7		7		7		7	
1/4	161,059	1/4	176,260	1/4	191,164	1/4	205,278	1/4	219,442	1/4		1/4		1/4		1/4		1/4	
1/2	161,376	1/2	176,576	1/2	191,467	1/2	205,563	1/2	219,656	1/2		1/2		1/2		1/2		1/2	
3/4	161,693	3/4	176,893	3/4	191,769	3/4	205,848	3/4	219,871	3/4		3/4		3/4		3/4		3/4	
8	162,009	8	177,210	8	192,071	8	206,133	8	220,085	8		8		8		8		8	
1/4	162,326	1/4	177,526	1/4	192,372	1/4	206,417	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,643	1/2	177,843	1/2	192,673	1/2	206,701	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,959	3/4	178,159	3/4	192,974	3/4	206,984	3/4		3/4		3/4		3/4		3/4		3/4	
9	163,276	9	178,475	9	193,275	9	207,268	9		9		9		9		9		9	
1/4	163,593	1/4	178,791	1/4	193,575	1/4	207,551	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,909	1/2	179,107	1/2	193,874	1/2	207,833	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,226	3/4	179,422	3/4	194,174	3/4	208,116	3/4		3/4		3/4		3/4		3/4		3/4	
10	164,543	10	179,738	10	194,473	10	208,399	10		10		10		10		10		10	
1/4	164,859	1/4	180,052	1/4	194,772	1/4	208,680	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,176	1/2	180,367	1/2	195,070	1/2	208,961	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,493	3/4	180,681	3/4	195,369	3/4	209,242	3/4		3/4		3/4		3/4		3/4		3/4	
11	165,809	11	180,995	11	195,667	11	209,523	11		11		11		11		11		11	
1/4	166,126	1/4	181,308	1/4	195,964	1/4	209,816	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,443	1/2	181,621	1/2	196,261	1/2	210,109	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,760	3/4	181,934	3/4	196,558	3/4	210,403	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/21/2015 CL
CALCULATED: 09/21/2015 CL
PRINTED: 09/21/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2015

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



BARGE "CBC 398"

1 STBD 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	899	0	15,090	0	30,326	0	45,513	0	60,699	0	75,936	0	91,173	0	106,410	0	121,643	0	136,874
1/4	1,077	1/4	15,407	1/4	30,643	1/4	45,829	1/4	61,017	1/4	76,253	1/4	91,490	1/4	106,727	1/4	121,960	1/4	137,191
1/2	1,255	1/2	15,724	1/2	30,961	1/2	46,144	1/2	61,334	1/2	76,571	1/2	91,808	1/2	107,045	1/2	122,277	1/2	137,508
3/4	1,434	3/4	16,042	3/4	31,278	3/4	46,459	3/4	61,651	3/4	76,888	3/4	92,125	3/4	107,362	3/4	122,594	3/4	137,826
1	1,613	1	16,359	1	31,596	1	46,774	1	61,969	1	77,206	1	92,443	1	107,680	1	122,912	1	138,143
1/4	1,844	1/4	16,677	1/4	31,913	1/4	47,090	1/4	62,286	1/4	77,523	1/4	92,760	1/4	107,997	1/4	123,229	1/4	138,460
1/2	2,075	1/2	16,994	1/2	32,230	1/2	47,405	1/2	62,604	1/2	77,841	1/2	93,078	1/2	108,314	1/2	123,546	1/2	138,778
3/4	2,307	3/4	17,312	3/4	32,548	3/4	47,720	3/4	62,921	3/4	78,158	3/4	93,395	3/4	108,632	3/4	123,864	3/4	139,095
2	2,538	2	17,629	2	32,865	2	48,035	2	63,239	2	78,476	2	93,712	2	108,949	2	124,181	2	139,412
1/4	2,823	1/4	17,949	1/4	33,183	1/4	48,351	1/4	63,556	1/4	78,793	1/4	94,030	1/4	109,267	1/4	124,498	1/4	139,730
1/2	3,107	1/2	18,265	1/2	33,500	1/2	48,666	1/2	63,873	1/2	79,110	1/2	94,347	1/2	109,584	1/2	124,816	1/2	140,047
3/4	3,391	3/4	18,582	3/4	33,818	3/4	48,981	3/4	64,191	3/4	79,428	3/4	94,665	3/4	109,902	3/4	125,133	3/4	140,364
3	3,676	3	18,899	3	34,135	3	49,297	3	64,508	3	79,745	3	94,982	3	110,219	3	125,450	3	140,682
1/4	3,990	1/4	19,216	1/4	34,452	1/4	49,612	1/4	64,826	1/4	80,063	1/4	95,300	1/4	110,536	1/4	125,768	1/4	140,999
1/2	4,304	1/2	19,534	1/2	34,770	1/2	49,927	1/2	65,143	1/2	80,380	1/2	95,617	1/2	110,854	1/2	126,085	1/2	141,316
3/4	4,618	3/4	19,851	3/4	35,087	3/4	50,242	3/4	65,461	3/4	80,698	3/4	95,934	3/4	111,171	3/4	126,402	3/4	141,634
4	4,932	4	20,168	4	35,405	4	50,558	4	65,778	4	81,015	4	96,252	4	111,488	4	126,720	4	141,951
1/4	5,250	1/4	20,486	1/4	35,722	1/4	50,873	1/4	66,096	1/4	81,332	1/4	96,569	1/4	111,805	1/4	127,037	1/4	142,268
1/2	5,567	1/2	20,803	1/2	36,040	1/2	51,188	1/2	66,413	1/2	81,650	1/2	96,887	1/2	112,123	1/2	127,354	1/2	142,585
3/4	5,884	3/4	21,121	3/4	36,357	3/4	51,503	3/4	66,730	3/4	81,967	3/4	97,204	3/4	112,440	3/4	127,672	3/4	142,903
5	6,202	5	21,438	5	36,674	5	51,819	5	67,048	5	82,285	5	97,522	5	112,758	5	127,989	5	143,220
1/4	6,519	1/4	21,756	1/4	36,992	1/4	52,134	1/4	67,365	1/4	82,602	1/4	97,839	1/4	113,075	1/4	128,306	1/4	143,537
1/2	6,837	1/2	22,073	1/2	37,309	1/2	52,450	1/2	67,683	1/2	82,920	1/2	98,156	1/2	113,392	1/2	128,624	1/2	143,855
3/4	7,154	3/4	22,390	3/4	37,627	3/4	52,766	3/4	68,000	3/4	83,237	3/4	98,474	3/4	113,710	3/4	128,941	3/4	144,172
6	7,472	6	22,708	6	37,944	6	53,082	6	68,318	6	83,554	6	98,791	6	114,027	6	129,258	6	144,489
1/4	7,787	1/4	23,025	1/4	38,260	1/4	53,399	1/4	68,635	1/4	83,872	1/4	99,109	1/4	114,344	1/4	129,575	1/4	144,807
1/2	8,105	1/2	23,343	1/2	38,576	1/2	53,716	1/2	68,952	1/2	84,189	1/2	99,426	1/2	114,662	1/2	129,893	1/2	145,124
3/4	8,423	3/4	23,660	3/4	38,892	3/4	54,033	3/4	69,270	3/4	84,507	3/4	99,744	3/4	114,979	3/4	130,210	3/4	145,441
7	8,741	7	23,977	7	39,208	7	54,350	7	69,587	7	84,824	7	100,061	7	115,296	7	130,527	7	145,759
1/4	9,059	1/4	24,295	1/4	39,523	1/4	54,668	1/4	69,905	1/4	85,142	1/4	100,379	1/4	115,613	1/4	130,845	1/4	146,076
1/2	9,376	1/2	24,612	1/2	39,839	1/2	54,985	1/2	70,222	1/2	85,459	1/2	100,696	1/2	115,931	1/2	131,162	1/2	146,393
3/4	9,693	3/4	24,930	3/4	40,154	3/4	55,303	3/4	70,540	3/4	85,777	3/4	101,013	3/4	116,248	3/4	131,479	3/4	146,711
8	10,011	8	25,247	8	40,469	8	55,620	8	70,857	8	86,094	8	101,331	8	116,565	8	131,797	8	147,028
1/4	10,328	1/4	25,565	1/4	40,785	1/4	55,938	1/4	71,175	1/4	86,411	1/4	101,648	1/4	116,883	1/4	132,114	1/4	147,345
1/2	10,646	1/2	25,882	1/2	41,100	1/2	56,255	1/2	71,492	1/2	86,729	1/2	101,966	1/2	117,200	1/2	132,431	1/2	147,663
3/4	10,963	3/4	26,199	3/4	41,415	3/4	56,572	3/4	71,809	3/4	87,046	3/4	102,283	3/4	117,517	3/4	132,749	3/4	147,980
9	11,281	9	26,517	9	41,730	9	56,890	9	72,127	9	87,364	9	102,601	9	117,835	9	133,066	9	148,297
1/4	11,598	1/4	26,834	1/4	42,046	1/4	57,207	1/4	72,444	1/4	87,681	1/4	102,918	1/4	118,152	1/4	133,383	1/4	148,614
1/2	11,915	1/2	27,152	1/2	42,361	1/2	57,525	1/2	72,762	1/2	87,999	1/2	103,235	1/2	118,469	1/2	133,701	1/2	148,932
3/4	12,233	3/4	27,469	3/4	42,676	3/4	57,842	3/4	73,079	3/4	88,316	3/4	103,553	3/4	118,787	3/4	134,018	3/4	149,249
10	12,550	10	27,787	10	42,991	10	58,160	10	73,397	10	88,633	10	103,870	10	119,104	10	134,335	10	149,566
1/4	12,868	1/4	28,104	1/4	43,307	1/4	58,477	1/4	73,714	1/4	88,951	1/4	104,188	1/4	119,421	1/4	134,653	1/4	149,884
1/2	13,185	1/2	28,421	1/2	43,622	1/2	58,795	1/2	74,031	1/2	89,268	1/2	104,505	1/2	119,739	1/2	134,970	1/2	150,201
3/4	13,503	3/4	28,739	3/4	43,937	3/4	59,112	3/4	74,349	3/4	89,586	3/4	104,823	3/4	120,056	3/4	135,287	3/4	150,518
11	13,820	11	29,056	11	44,252	11	59,429	11	74,666	11	89,903	11	105,140	11	120,373	11	135,604	11	150,836
1/4	14,137	1/4	29,374	1/4	44,568	1/4	59,747	1/4	74,984	1/4	90,221	1/4	105,457	1/4	120,691	1/4	135,922	1/4	151,153
1/2	14,455	1/2	29,691	1/2	44,883	1/2	60,064	1/2	75,301	1/2	90,538	1/2	105,775	1/2	121,008	1/2	136,239	1/2	151,470
3/4	14,772	3/4	30,009	3/4	45,198	3/4	60,382	3/4	75,619	3/4	90,855	3/4	106,092	3/4	121,325	3/4	136,556	3/4	151,788

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'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CBC 398"

1 STBD
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	152,105	0	167,336	0	182,538	0	197,176	0	211,045	0		0		0		0		0	
1/4	152,422	1/4	167,654	1/4	182,851	1/4	197,473	1/4	211,356	1/4		1/4		1/4		1/4		1/4	
1/2	152,740	1/2	167,971	1/2	183,163	1/2	197,769	1/2	211,667	1/2		1/2		1/2		1/2		1/2	
3/4	153,057	3/4	168,288	3/4	183,475	3/4	198,065	3/4	211,978	3/4		3/4		3/4		3/4		3/4	
1	153,374	1	168,605	1	183,787	1	198,362	1	212,289	1		1		1		1		1	
1/4	153,692	1/4	168,923	1/4	184,098	1/4	198,655	1/4	212,603	1/4		1/4		1/4		1/4		1/4	
1/2	154,009	1/2	169,240	1/2	184,409	1/2	198,949	1/2	212,916	1/2		1/2		1/2		1/2		1/2	
3/4	154,326	3/4	169,557	3/4	184,720	3/4	199,243	3/4	213,229	3/4		3/4		3/4		3/4		3/4	
2	154,644	2	169,875	2	185,031	2	199,537	2	213,542	2		2		2		2		2	
1/4	154,961	1/4	170,192	1/4	185,341	1/4	199,829	1/4	213,855	1/4		1/4		1/4		1/4		1/4	
1/2	155,278	1/2	170,509	1/2	185,651	1/2	200,122	1/2	214,168	1/2		1/2		1/2		1/2		1/2	
3/4	155,595	3/4	170,827	3/4	185,961	3/4	200,414	3/4	214,482	3/4		3/4		3/4		3/4		3/4	
3	155,913	3	171,144	3	186,270	3	200,706	3	214,795	3		3		3		3		3	
1/4	156,230	1/4	171,461	1/4	186,579	1/4	200,997	1/4	215,108	1/4		1/4		1/4		1/4		1/4	
1/2	156,547	1/2	171,779	1/2	186,887	1/2	201,288	1/2	215,421	1/2		1/2		1/2		1/2		1/2	
3/4	156,865	3/4	172,096	3/4	187,195	3/4	201,579	3/4	215,734	3/4		3/4		3/4		3/4		3/4	
4	157,182	4	172,413	4	187,504	4	201,871	4	216,048	4		4		4		4		4	
1/4	157,499	1/4	172,731	1/4	187,811	1/4	202,160	1/4	216,361	1/4		1/4		1/4		1/4		1/4	
1/2	157,817	1/2	173,048	1/2	188,117	1/2	202,450	1/2	216,674	1/2		1/2		1/2		1/2		1/2	
3/4	158,134	3/4	173,365	3/4	188,424	3/4	202,740	3/4	216,987	3/4		3/4		3/4		3/4		3/4	
5	158,451	5	173,683	5	188,731	5	203,029	5	217,300	5		5		5		5		5	
1/4	158,769	1/4	174,000	1/4	189,037	1/4	203,318	1/4	217,608	1/4		1/4		1/4		1/4		1/4	
1/2	159,086	1/2	174,317	1/2	189,342	1/2	203,606	1/2	217,915	1/2		1/2		1/2		1/2		1/2	
3/4	159,403	3/4	174,635	3/4	189,648	3/4	203,894	3/4	218,222	3/4		3/4		3/4		3/4		3/4	
6	159,721	6	174,952	6	189,954	6	204,182	6	218,530	6		6		6		6		6	
1/4	160,038	1/4	175,269	1/4	190,258	1/4	204,469	1/4	218,796	1/4		1/4		1/4		1/4		1/4	
1/2	160,355	1/2	175,586	1/2	190,562	1/2	204,756	1/2	219,062	1/2		1/2		1/2		1/2		1/2	
3/4	160,673	3/4	175,904	3/4	190,867	3/4	205,043	3/4	219,328	3/4		3/4		3/4		3/4		3/4	
7	160,990	7	176,221	7	191,171	7	205,330	7	219,594	7		7		7		7		7	
1/4	161,307	1/4	176,538	1/4	191,474	1/4	205,616	1/4	219,809	1/4		1/4		1/4		1/4		1/4	
1/2	161,625	1/2	176,856	1/2	191,777	1/2	205,902	1/2	220,024	1/2		1/2		1/2		1/2		1/2	
3/4	161,942	3/4	177,173	3/4	192,080	3/4	206,187	3/4	220,239	3/4		3/4		3/4		3/4		3/4	
8	162,259	8	177,490	8	192,383	8	206,473	8	220,454	8		8		8		8		8	
1/4	162,576	1/4	177,808	1/4	192,684	1/4	206,758	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,894	1/2	178,125	1/2	192,986	1/2	207,042	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,211	3/4	178,442	3/4	193,287	3/4	207,326	3/4		3/4		3/4		3/4		3/4		3/4	
9	163,528	9	178,759	9	193,589	9	207,611	9		9		9		9		9		9	
1/4	163,846	1/4	179,075	1/4	193,889	1/4	207,894	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,163	1/2	179,392	1/2	194,189	1/2	208,177	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,480	3/4	179,708	3/4	194,490	3/4	208,460	3/4		3/4		3/4		3/4		3/4		3/4	
10	164,798	10	180,024	10	194,790	10	208,743	10		10		10		10		10		10	
1/4	165,115	1/4	180,339	1/4	195,089	1/4	209,025	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,432	1/2	180,654	1/2	195,388	1/2	209,307	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,750	3/4	180,969	3/4	195,687	3/4	209,589	3/4		3/4		3/4		3/4		3/4		3/4	
11	166,067	11	181,284	11	195,986	11	209,870	11		11		11		11		11		11	
1/4	166,384	1/4	181,598	1/4	196,283	1/4	210,164	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,702	1/2	181,911	1/2	196,581	1/2	210,458	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	167,019	3/4	182,225	3/4	196,879	3/4	210,752	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/21/2015 CL
CALCULATED: 09/21/2015 CL
PRINTED: 09/21/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2015

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



BARGE "CBC 398"

1 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	899	0	15,090	0	30,326	0	45,552	0	60,779	0	76,016	0	91,252	0	106,489	0	121,722	0	136,953
1/4	1,077	1/4	15,407	1/4	30,643	1/4	45,869	1/4	61,096	1/4	76,333	1/4	91,570	1/4	106,807	1/4	122,039	1/4	137,271
1/2	1,255	1/2	15,724	1/2	30,961	1/2	46,186	1/2	61,414	1/2	76,650	1/2	91,887	1/2	107,124	1/2	122,357	1/2	137,588
3/4	1,434	3/4	16,042	3/4	31,278	3/4	46,503	3/4	61,731	3/4	76,968	3/4	92,205	3/4	107,442	3/4	122,674	3/4	137,905
1	1,613	1	16,359	1	31,596	1	46,820	1	62,048	1	77,285	1	92,522	1	107,759	1	122,991	1	138,223
1/4	1,844	1/4	16,677	1/4	31,913	1/4	47,137	1/4	62,366	1/4	77,603	1/4	92,840	1/4	108,077	1/4	123,309	1/4	138,540
1/2	2,075	1/2	16,994	1/2	32,230	1/2	47,454	1/2	62,683	1/2	77,920	1/2	93,157	1/2	108,394	1/2	123,626	1/2	138,857
3/4	2,307	3/4	17,312	3/4	32,548	3/4	47,771	3/4	63,001	3/4	78,238	3/4	93,475	3/4	108,711	3/4	123,943	3/4	139,175
2	2,538	2	17,629	2	32,865	2	48,088	2	63,318	2	78,555	2	93,792	2	109,029	2	124,261	2	139,492
1/4	2,823	1/4	17,949	1/4	33,183	1/4	48,405	1/4	63,636	1/4	78,873	1/4	94,109	1/4	109,346	1/4	124,578	1/4	139,809
1/2	3,107	1/2	18,265	1/2	33,500	1/2	48,722	1/2	63,953	1/2	79,190	1/2	94,427	1/2	109,664	1/2	124,895	1/2	140,126
3/4	3,391	3/4	18,582	3/4	33,818	3/4	49,038	3/4	64,271	3/4	79,507	3/4	94,744	3/4	109,981	3/4	125,213	3/4	140,444
3	3,676	3	18,899	3	34,135	3	49,355	3	64,588	3	79,825	3	95,062	3	110,299	3	125,530	3	140,761
1/4	3,990	1/4	19,216	1/4	34,452	1/4	49,672	1/4	64,905	1/4	80,142	1/4	95,379	1/4	110,616	1/4	125,847	1/4	141,078
1/2	4,304	1/2	19,534	1/2	34,770	1/2	49,989	1/2	65,223	1/2	80,460	1/2	95,697	1/2	110,933	1/2	126,165	1/2	141,396
3/4	4,618	3/4	19,851	3/4	35,087	3/4	50,306	3/4	65,540	3/4	80,777	3/4	96,014	3/4	111,251	3/4	126,482	3/4	141,713
4	4,932	4	20,168	4	35,405	4	50,623	4	65,858	4	81,095	4	96,331	4	111,568	4	126,799	4	142,030
1/4	5,250	1/4	20,486	1/4	35,722	1/4	50,940	1/4	66,175	1/4	81,412	1/4	96,649	1/4	111,885	1/4	127,116	1/4	142,348
1/2	5,567	1/2	20,803	1/2	36,040	1/2	51,257	1/2	66,493	1/2	81,729	1/2	96,966	1/2	112,203	1/2	127,434	1/2	142,665
3/4	5,884	3/4	21,121	3/4	36,357	3/4	51,574	3/4	66,810	3/4	82,047	3/4	97,284	3/4	112,520	3/4	127,751	3/4	142,982
5	6,202	5	21,438	5	36,674	5	51,891	5	67,127	5	82,364	5	97,601	5	112,837	5	128,068	5	143,300
1/4	6,519	1/4	21,756	1/4	36,992	1/4	52,208	1/4	67,445	1/4	82,682	1/4	97,919	1/4	113,155	1/4	128,386	1/4	143,617
1/2	6,837	1/2	22,073	1/2	37,309	1/2	52,526	1/2	67,762	1/2	82,999	1/2	98,236	1/2	113,472	1/2	128,703	1/2	143,934
3/4	7,154	3/4	22,390	3/4	37,627	3/4	52,843	3/4	68,080	3/4	83,317	3/4	98,553	3/4	113,789	3/4	129,020	3/4	144,252
6	7,472	6	22,708	6	37,944	6	53,160	6	68,397	6	83,634	6	98,871	6	114,106	6	129,338	6	144,569
1/4	7,787	1/4	23,025	1/4	38,261	1/4	53,478	1/4	68,715	1/4	83,951	1/4	99,188	1/4	114,424	1/4	129,655	1/4	144,886
1/2	8,105	1/2	23,343	1/2	38,579	1/2	53,795	1/2	69,032	1/2	84,269	1/2	99,506	1/2	114,741	1/2	129,972	1/2	145,204
3/4	8,423	3/4	23,660	3/4	38,896	3/4	54,113	3/4	69,349	3/4	84,586	3/4	99,823	3/4	115,058	3/4	130,290	3/4	145,521
7	8,741	7	23,977	7	39,214	7	54,430	7	69,667	7	84,904	7	100,141	7	115,376	7	130,607	7	145,838
1/4	9,059	1/4	24,295	1/4	39,531	1/4	54,747	1/4	69,984	1/4	85,221	1/4	100,458	1/4	115,693	1/4	130,924	1/4	146,156
1/2	9,376	1/2	24,612	1/2	39,848	1/2	55,065	1/2	70,302	1/2	85,539	1/2	100,776	1/2	116,010	1/2	131,242	1/2	146,473
3/4	9,693	3/4	24,930	3/4	40,165	3/4	55,382	3/4	70,619	3/4	85,856	3/4	101,093	3/4	116,328	3/4	131,559	3/4	146,790
8	10,011	8	25,247	8	40,482	8	55,700	8	70,937	8	86,174	8	101,410	8	116,645	8	131,876	8	147,107
1/4	10,328	1/4	25,565	1/4	40,799	1/4	56,017	1/4	71,254	1/4	86,491	1/4	101,728	1/4	116,962	1/4	132,194	1/4	147,425
1/2	10,646	1/2	25,882	1/2	41,116	1/2	56,335	1/2	71,572	1/2	86,808	1/2	102,045	1/2	117,280	1/2	132,511	1/2	147,742
3/4	10,963	3/4	26,199	3/4	41,432	3/4	56,652	3/4	71,889	3/4	87,126	3/4	102,363	3/4	117,597	3/4	132,828	3/4	148,059
9	11,281	9	26,517	9	41,749	9	56,970	9	72,206	9	87,443	9	102,680	9	117,914	9	133,146	9	148,377
1/4	11,598	1/4	26,834	1/4	42,066	1/4	57,287	1/4	72,524	1/4	87,761	1/4	102,998	1/4	118,232	1/4	133,463	1/4	148,694
1/2	11,915	1/2	27,152	1/2	42,383	1/2	57,604	1/2	72,841	1/2	88,078	1/2	103,315	1/2	118,549	1/2	133,780	1/2	149,011
3/4	12,233	3/4	27,469	3/4	42,700	3/4	57,922	3/4	73,159	3/4	88,396	3/4	103,632	3/4	118,866	3/4	134,097	3/4	149,329
10	12,550	10	27,787	10	43,017	10	58,239	10	73,476	10	88,713	10	103,950	10	119,184	10	134,415	10	149,646
1/4	12,868	1/4	28,104	1/4	43,334	1/4	58,557	1/4	73,794	1/4	89,030	1/4	104,267	1/4	119,501	1/4	134,732	1/4	149,963
1/2	13,185	1/2	28,421	1/2	43,651	1/2	58,874	1/2	74,111	1/2	89,348	1/2	104,585	1/2	119,818	1/2	135,049	1/2	150,281
3/4	13,503	3/4	28,739	3/4	43,968	3/4	59,192	3/4	74,428	3/4	89,665	3/4	104,902	3/4	120,135	3/4	135,367	3/4	150,598
11	13,820	11	29,056	11	44,285	11	59,509	11	74,746	11	89,983	11	105,220	11	120,453	11	135,684	11	150,915
1/4	14,137	1/4	29,374	1/4	44,602	1/4	59,826	1/4	75,063	1/4	90,300	1/4	105,537	1/4	120,770	1/4	136,001	1/4	151,233
1/2	14,455	1/2	29,691	1/2	44,919	1/2	60,144	1/2	75,381	1/2	90,618	1/2	105,854	1/2	121,087	1/2	136,319	1/2	151,550
3/4	14,772	3/4	30,009	3/4	45,235	3/4	60,461	3/4	75,698	3/4	90,935	3/4	106,172	3/4	121,405	3/4	136,636	3/4	151,867

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'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "CBC 398"

1 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	152,185	0	167,416	0	182,618	0	197,256	0	211,125	0		0		0		0		0	
1/4	152,502	1/4	167,733	1/4	182,930	1/4	197,552	1/4	211,436	1/4		1/4		1/4		1/4		1/4	
1/2	152,819	1/2	168,050	1/2	183,243	1/2	197,849	1/2	211,747	1/2		1/2		1/2		1/2		1/2	
3/4	153,137	3/4	168,368	3/4	183,555	3/4	198,145	3/4	212,058	3/4		3/4		3/4		3/4		3/4	
1	153,454	1	168,685	1	183,867	1	198,441	1	212,369	1		1		1		1		1	
1/4	153,771	1/4	169,002	1/4	184,178	1/4	198,735	1/4	212,683	1/4		1/4		1/4		1/4		1/4	
1/2	154,088	1/2	169,320	1/2	184,489	1/2	199,029	1/2	212,996	1/2		1/2		1/2		1/2		1/2	
3/4	154,406	3/4	169,637	3/4	184,800	3/4	199,323	3/4	213,309	3/4		3/4		3/4		3/4		3/4	
2	154,723	2	169,954	2	185,111	2	199,617	2	213,622	2		2		2		2		2	
1/4	155,040	1/4	170,272	1/4	185,421	1/4	199,909	1/4	213,935	1/4		1/4		1/4		1/4		1/4	
1/2	155,358	1/2	170,589	1/2	185,731	1/2	200,201	1/2	214,249	1/2		1/2		1/2		1/2		1/2	
3/4	155,675	3/4	170,906	3/4	186,040	3/4	200,494	3/4	214,562	3/4		3/4		3/4		3/4		3/4	
3	155,992	3	171,224	3	186,350	3	200,786	3	214,875	3		3		3		3		3	
1/4	156,310	1/4	171,541	1/4	186,658	1/4	201,077	1/4	215,188	1/4		1/4		1/4		1/4		1/4	
1/2	156,627	1/2	171,858	1/2	186,967	1/2	201,368	1/2	215,501	1/2		1/2		1/2		1/2		1/2	
3/4	156,944	3/4	172,176	3/4	187,275	3/4	201,659	3/4	215,814	3/4		3/4		3/4		3/4		3/4	
4	157,262	4	172,493	4	187,583	4	201,950	4	216,128	4		4		4		4		4	
1/4	157,579	1/4	172,810	1/4	187,890	1/4	202,240	1/4	216,441	1/4		1/4		1/4		1/4		1/4	
1/2	157,896	1/2	173,128	1/2	188,197	1/2	202,530	1/2	216,754	1/2		1/2		1/2		1/2		1/2	
3/4	158,214	3/4	173,445	3/4	188,504	3/4	202,820	3/4	217,067	3/4		3/4		3/4		3/4		3/4	
5	158,531	5	173,762	5	188,811	5	203,109	5	217,380	5		5		5		5		5	
1/4	158,848	1/4	174,079	1/4	189,116	1/4	203,397	1/4	217,688	1/4		1/4		1/4		1/4		1/4	
1/2	159,166	1/2	174,397	1/2	189,422	1/2	203,686	1/2	217,995	1/2		1/2		1/2		1/2		1/2	
3/4	159,483	3/4	174,714	3/4	189,728	3/4	203,974	3/4	218,303	3/4		3/4		3/4		3/4		3/4	
6	159,800	6	175,031	6	190,033	6	204,262	6	218,610	6		6		6		6		6	
1/4	160,117	1/4	175,349	1/4	190,338	1/4	204,549	1/4	218,876	1/4		1/4		1/4		1/4		1/4	
1/2	160,435	1/2	175,666	1/2	190,642	1/2	204,836	1/2	219,142	1/2		1/2		1/2		1/2		1/2	
3/4	160,752	3/4	175,983	3/4	190,946	3/4	205,123	3/4	219,408	3/4		3/4		3/4		3/4		3/4	
7	161,069	7	176,301	7	191,251	7	205,410	7	219,674	7		7		7		7		7	
1/4	161,387	1/4	176,618	1/4	191,554	1/4	205,696	1/4	219,889	1/4		1/4		1/4		1/4		1/4	
1/2	161,704	1/2	176,935	1/2	191,857	1/2	205,982	1/2	220,104	1/2		1/2		1/2		1/2		1/2	
3/4	162,021	3/4	177,253	3/4	192,160	3/4	206,267	3/4	220,319	3/4		3/4		3/4		3/4		3/4	
8	162,339	8	177,570	8	192,463	8	206,553	8	220,535	8		8		8		8		8	
1/4	162,656	1/4	177,887	1/4	192,764	1/4	206,838	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,973	1/2	178,204	1/2	193,066	1/2	207,122	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,291	3/4	178,521	3/4	193,367	3/4	207,406	3/4		3/4		3/4		3/4		3/4		3/4	
9	163,608	9	178,839	9	193,669	9	207,691	9		9		9		9		9		9	
1/4	163,925	1/4	179,155	1/4	193,969	1/4	207,974	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,243	1/2	179,471	1/2	194,269	1/2	208,257	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,560	3/4	179,788	3/4	194,569	3/4	208,540	3/4		3/4		3/4		3/4		3/4		3/4	
10	164,877	10	180,104	10	194,870	10	208,823	10		10		10		10		10		10	
1/4	165,195	1/4	180,419	1/4	195,168	1/4	209,105	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,512	1/2	180,734	1/2	195,467	1/2	209,387	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,829	3/4	181,049	3/4	195,766	3/4	209,669	3/4		3/4		3/4		3/4		3/4		3/4	
11	166,147	11	181,364	11	196,065	11	209,950	11		11		11		11		11		11	
1/4	166,464	1/4	181,677	1/4	196,363	1/4	210,244	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,781	1/2	181,991	1/2	196,661	1/2	210,538	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	167,098	3/4	182,304	3/4	196,958	3/4	210,832	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/21/2015 CL
CALCULATED: 09/21/2015 CL
PRINTED: 09/21/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2015

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



BARGE "CBC 398"

ULLAGE TRIM TABLE
HULL C-1123

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-1/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 04'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 253'-03"

September 21, 2015

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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BARGE "CBC 398"

3 STBD 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	176,638	0	169,659	0	161,899	0	153,787	0	145,172	0	130,161	0	115,108	0	100,018
1/4		1/4	183,444	1/4	176,501	1/4	169,505	1/4	161,730	1/4	153,618	1/4	144,859	1/4	129,848	1/4	114,792	1/4	99,704
1/2		1/2	183,375	1/2	176,363	1/2	169,351	1/2	161,561	1/2	153,449	1/2	144,546	1/2	129,534	1/2	114,478	1/2	99,390
3/4		3/4	183,306	3/4	176,225	3/4	169,196	3/4	161,392	3/4	153,280	3/4	144,233	3/4	129,220	3/4	114,163	3/4	99,075
1		1	183,238	1	176,087	1	169,041	1	161,223	1	153,111	1	143,920	1	128,907	1	113,849	1	98,761
1/4		1/4	183,169	1/4	175,948	1/4	168,886	1/4	161,054	1/4	152,942	1/4	143,607	1/4	128,593	1/4	113,535	1/4	98,447
1/2		1/2	183,049	1/2	175,809	1/2	168,730	1/2	160,885	1/2	152,773	1/2	143,294	1/2	128,279	1/2	113,220	1/2	98,132
3/4		3/4	182,929	3/4	175,669	3/4	168,574	3/4	160,716	3/4	152,604	3/4	142,981	3/4	127,966	3/4	112,906	3/4	97,818
2		2	182,809	2	175,530	2	168,418	2	160,547	2	152,435	2	142,668	2	127,652	2	112,592	2	97,504
1/4		1/4	182,688	1/4	175,390	1/4	168,262	1/4	160,378	1/4	152,266	1/4	142,355	1/4	127,339	1/4	112,278	1/4	97,189
1/2		1/2	182,527	1/2	175,250	1/2	168,105	1/2	160,209	1/2	152,097	1/2	142,042	1/2	127,026	1/2	111,963	1/2	96,875
3/4		3/4	182,366	3/4	175,109	3/4	167,947	3/4	160,040	3/4	151,928	3/4	141,729	3/4	126,712	3/4	111,649	3/4	96,561
3		3	182,205	3	174,968	3	167,790	3	159,871	3	151,759	3	141,416	3	126,399	3	111,335	3	96,246
1/4		1/4	182,044	1/4	174,827	1/4	167,632	1/4	159,702	1/4	151,590	1/4	141,103	1/4	126,085	1/4	111,020	1/4	95,932
1/2		1/2	181,877	1/2	174,685	1/2	167,474	1/2	159,533	1/2	151,421	1/2	140,790	1/2	125,772	1/2	110,706	1/2	95,617
3/4		3/4	181,711	3/4	174,543	3/4	167,315	3/4	159,364	3/4	151,252	3/4	140,477	3/4	125,458	3/4	110,391	3/4	95,303
4		4	181,544	4	174,401	4	167,157	4	159,195	4	151,083	4	140,164	4	125,145	4	110,076	4	94,989
1/4		1/4	181,377	1/4	174,259	1/4	166,998	1/4	159,026	1/4	150,914	1/4	139,851	1/4	124,831	1/4	109,763	1/4	94,674
1/2		1/2	181,210	1/2	174,115	1/2	166,838	1/2	158,857	1/2	150,745	1/2	139,538	1/2	124,518	1/2	109,449	1/2	94,360
3/4		3/4	181,043	3/4	173,972	3/4	166,678	3/4	158,688	3/4	150,576	3/4	139,225	3/4	124,205	3/4	109,135	3/4	94,046
5		5	180,877	5	173,828	5	166,518	5	158,519	5	150,407	5	138,912	5	123,891	5	108,820	5	93,731
1/4		1/4	180,710	1/4	173,684	1/4	166,358	1/4	158,350	1/4	150,238	1/4	138,599	1/4	123,578	1/4	108,506	1/4	93,417
1/2		1/2	180,543	1/2	173,540	1/2	166,196	1/2	158,181	1/2	150,069	1/2	138,287	1/2	123,264	1/2	108,192	1/2	93,103
3/4		3/4	180,376	3/4	173,395	3/4	166,035	3/4	158,012	3/4	149,900	3/4	137,975	3/4	122,951	3/4	107,877	3/4	92,788
6		6	180,210	6	173,250	6	165,873	6	157,843	6	149,731	6	137,662	6	122,637	6	107,563	6	92,474
1/4		1/4	180,043	1/4	173,105	1/4	165,712	1/4	157,674	1/4	149,562	1/4	137,350	1/4	122,324	1/4	107,249	1/4	92,160
1/2		1/2	179,876	1/2	172,959	1/2	165,549	1/2	157,505	1/2	149,393	1/2	137,038	1/2	122,010	1/2	106,934	1/2	91,845
3/4		3/4	179,709	3/4	172,813	3/4	165,386	3/4	157,336	3/4	149,224	3/4	136,725	3/4	121,697	3/4	106,620	3/4	91,531
7		7	179,543	7	172,667	7	165,224	7	157,167	7	149,055	7	136,413	7	121,383	7	106,306	7	91,216
1/4		1/4	179,376	1/4	172,520	1/4	165,061	1/4	156,998	1/4	148,886	1/4	136,101	1/4	121,070	1/4	105,991	1/4	90,902
1/2		1/2	179,211	1/2	172,372	1/2	164,897	1/2	156,829	1/2	148,717	1/2	135,788	1/2	120,756	1/2	105,677	1/2	90,588
3/4		3/4	179,047	3/4	172,224	3/4	164,733	3/4	156,660	3/4	148,548	3/4	135,476	3/4	120,442	3/4	105,363	3/4	90,273
8		8	178,882	8	172,076	8	164,569	8	156,491	8	148,379	8	135,164	8	120,129	8	105,048	8	89,959
1/4		1/4	178,717	1/4	171,928	1/4	164,405	1/4	156,322	1/4	148,210	1/4	134,851	1/4	119,815	1/4	104,734	1/4	89,645
1/2		1/2	178,570	1/2	171,778	1/2	164,240	1/2	156,153	1/2	148,041	1/2	134,539	1/2	119,501	1/2	104,419	1/2	89,330
3/4		3/4	178,423	3/4	171,629	3/4	164,074	3/4	155,984	3/4	147,872	3/4	134,227	3/4	119,187	3/4	104,105	3/4	89,016
9		9	178,275	9	171,479	9	163,909	9	155,815	9	147,703	9	133,914	9	118,874	9	103,791	9	88,702
1/4		1/4	178,128	1/4	171,330	1/4	163,744	1/4	155,646	1/4	147,534	1/4	133,602	1/4	118,560	1/4	103,476	1/4	88,387
1/2		1/2	177,994	1/2	171,179	1/2	163,577	1/2	155,477	1/2	147,365	1/2	133,290	1/2	118,246	1/2	103,162	1/2	88,073
3/4		3/4	177,860	3/4	171,028	3/4	163,411	3/4	155,308	3/4	147,196	3/4	132,977	3/4	117,932	3/4	102,848	3/4	87,759
10		10	177,726	10	170,878	10	163,244	10	155,139	10	147,027	10	132,665	10	117,619	10	102,533	10	87,444
1/4		1/4	177,591	1/4	170,727	1/4	163,077	1/4	154,970	1/4	146,858	1/4	132,353	1/4	117,305	1/4	102,219	1/4	87,130
1/2		1/2	177,456	1/2	170,575	1/2	162,909	1/2	154,801	1/2	146,671	1/2	132,040	1/2	116,991	1/2	101,905	1/2	86,815
3/4		3/4	177,320	3/4	170,423	3/4	162,741	3/4	154,632	3/4	146,484	3/4	131,728	3/4	116,677	3/4	101,590	3/4	86,501
11		11	177,185	11	170,271	11	162,573	11	154,463	11	146,297	11	131,415	11	116,363	11	101,276	11	86,187
1/4		1/4	177,049	1/4	170,119	1/4	162,405	1/4	154,294	1/4	146,110	1/4	131,103	1/4	116,049	1/4	100,962	1/4	85,872
1/2		1/2	176,912	1/2	169,965	1/2	162,236	1/2	154,125	1/2	145,797	1/2	130,789	1/2	115,736	1/2	100,647	1/2	85,558
3/4		3/4	176,775	3/4	169,812	3/4	162,068	3/4	153,956	3/4	145,485	3/4	130,475	3/4	115,422	3/4	100,333	3/4	85,244

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'-06" OFF CENTERLINE AND 54'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CBC 398"

3 STBD
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	84,929	0	69,837	0	54,805	0	40,157	0	25,332	0	10,235	0		0		0		0	
1/4	84,615	1/4	69,522	1/4	54,493	1/4	39,856	1/4	25,018	1/4	9,921	1/4		1/4		1/4		1/4	
1/2	84,301	1/2	69,208	1/2	54,181	1/2	39,556	1/2	24,703	1/2	9,606	1/2		1/2		1/2		1/2	
3/4	83,986	3/4	68,893	3/4	53,869	3/4	39,256	3/4	24,389	3/4	9,292	3/4		3/4		3/4		3/4	
1	83,672	1	68,579	1	53,558	1	38,955	1	24,074	1	8,977	1		1		1		1	
1/4	83,357	1/4	68,265	1/4	53,246	1/4	38,655	1/4	23,760	1/4	8,663	1/4		1/4		1/4		1/4	
1/2	83,043	1/2	67,950	1/2	52,934	1/2	38,354	1/2	23,445	1/2	8,348	1/2		1/2		1/2		1/2	
3/4	82,728	3/4	67,636	3/4	52,622	3/4	38,054	3/4	23,131	3/4	8,032	3/4		3/4		3/4		3/4	
2	82,414	2	67,321	2	52,310	2	37,753	2	22,816	2	7,717	2		2		2		2	
1/4	82,100	1/4	67,007	1/4	51,999	1/4	37,453	1/4	22,502	1/4	7,405	1/4		1/4		1/4		1/4	
1/2	81,785	1/2	66,692	1/2	51,688	1/2	37,151	1/2	22,187	1/2	7,090	1/2		1/2		1/2		1/2	
3/4	81,471	3/4	66,378	3/4	51,376	3/4	36,850	3/4	21,873	3/4	6,776	3/4		3/4		3/4		3/4	
3	81,156	3	66,064	3	51,065	3	36,548	3	21,558	3	6,461	3		3		3		3	
1/4	80,842	1/4	65,749	1/4	50,754	1/4	36,247	1/4	21,244	1/4	6,147	1/4		1/4		1/4		1/4	
1/2	80,527	1/2	65,435	1/2	50,443	1/2	35,945	1/2	20,929	1/2	5,832	1/2		1/2		1/2		1/2	
3/4	80,213	3/4	65,120	3/4	50,132	3/4	35,644	3/4	20,615	3/4	5,517	3/4		3/4		3/4		3/4	
4	79,899	4	64,806	4	49,821	4	35,342	4	20,300	4	5,202	4		4		4		4	
1/4	79,584	1/4	64,491	1/4	49,509	1/4	35,041	1/4	19,985	1/4	4,888	1/4		1/4		1/4		1/4	
1/2	79,270	1/2	64,177	1/2	49,199	1/2	34,737	1/2	19,671	1/2	4,576	1/2		1/2		1/2		1/2	
3/4	78,955	3/4	63,862	3/4	48,888	3/4	34,432	3/4	19,356	3/4	4,265	3/4		3/4		3/4		3/4	
5	78,641	5	63,548	5	48,577	5	34,128	5	19,042	5	3,954	5		5		5		5	
1/4	78,326	1/4	63,234	1/4	48,266	1/4	33,824	1/4	18,727	1/4	3,643	1/4		1/4		1/4		1/4	
1/2	78,012	1/2	62,920	1/2	47,966	1/2	33,510	1/2	18,414	1/2	3,362	1/2		1/2		1/2		1/2	
3/4	77,698	3/4	62,605	3/4	47,666	3/4	33,195	3/4	18,100	3/4	3,080	3/4		3/4		3/4		3/4	
6	77,383	6	62,291	6	47,365	6	32,881	6	17,786	6	2,799	6		6		6		6	
1/4	77,069	1/4	61,977	1/4	47,065	1/4	32,566	1/4	17,469	1/4	2,518	1/4		1/4		1/4		1/4	
1/2	76,754	1/2	61,665	1/2	46,765	1/2	32,252	1/2	17,155	1/2	2,288	1/2		1/2		1/2		1/2	
3/4	76,440	3/4	61,353	3/4	46,464	3/4	31,937	3/4	16,840	3/4	2,059	3/4		3/4		3/4		3/4	
7	76,125	7	61,042	7	46,164	7	31,623	7	16,526	7	1,830	7		7		7		7	
1/4	75,811	1/4	60,730	1/4	45,864	1/4	31,308	1/4	16,211	1/4	1,601	1/4		1/4		1/4		1/4	
1/2	75,496	1/2	60,418	1/2	45,563	1/2	30,994	1/2	15,897	1/2	1,423	1/2		1/2		1/2		1/2	
3/4	75,182	3/4	60,106	3/4	45,263	3/4	30,679	3/4	15,582	3/4	1,246	3/4		3/4		3/4		3/4	
8	74,868	8	59,794	8	44,962	8	30,365	8	15,268	8	1,069	8		8		8		8	
1/4	74,553	1/4	59,482	1/4	44,662	1/4	30,050	1/4	14,953	1/4	892	1/4		1/4		1/4		1/4	
1/2	74,239	1/2	59,171	1/2	44,362	1/2	29,735	1/2	14,639	1/2		1/2		1/2		1/2		1/2	
3/4	73,924	3/4	58,859	3/4	44,061	3/4	29,421	3/4	14,324	3/4		3/4		3/4		3/4		3/4	
9	73,610	9	58,547	9	43,761	9	29,106	9	14,010	9		9		9		9		9	
1/4	73,295	1/4	58,235	1/4	43,461	1/4	28,792	1/4	13,695	1/4		1/4		1/4		1/4		1/4	
1/2	72,981	1/2	57,923	1/2	43,160	1/2	28,477	1/2	13,381	1/2		1/2		1/2		1/2		1/2	
3/4	72,667	3/4	57,611	3/4	42,860	3/4	28,163	3/4	13,066	3/4		3/4		3/4		3/4		3/4	
10	72,352	10	57,300	10	42,560	10	27,848	10	12,752	10		10		10		10		10	
1/4	72,038	1/4	56,988	1/4	42,259	1/4	27,534	1/4	12,437	1/4		1/4		1/4		1/4		1/4	
1/2	71,723	1/2	56,676	1/2	41,959	1/2	27,219	1/2	12,123	1/2		1/2		1/2		1/2		1/2	
3/4	71,409	3/4	56,364	3/4	41,659	3/4	26,905	3/4	11,808	3/4		3/4		3/4		3/4		3/4	
11	71,094	11	56,052	11	41,358	11	26,590	11	11,494	11		11		11		11		11	
1/4	70,780	1/4	55,740	1/4	41,058	1/4	26,276	1/4	11,179	1/4		1/4		1/4		1/4		1/4	
1/2	70,466	1/2	55,429	1/2	40,758	1/2	25,961	1/2	10,865	1/2		1/2		1/2		1/2		1/2	
3/4	70,151	3/4	55,117	3/4	40,457	3/4	25,647	3/4	10,550	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/21/2015 CL
CALCULATED: 09/21/2015 CL
PRINTED: 09/21/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2015

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



BARGE "CBC 398"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08"

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	184,968	0	177,983	0	170,944	0	163,125	0	154,969	0	146,164	0	131,096	0	115,976	0	100,831	
1/4	1/4	184,899	1/4	177,844	1/4	170,789	1/4	162,955	1/4	154,799	1/4	145,849	1/4	130,781	1/4	115,660	1/4	100,515	
1/2	1/2	184,829	1/2	177,705	1/2	170,633	1/2	162,785	1/2	154,629	1/2	145,535	1/2	130,466	1/2	115,345	1/2	100,200	
3/4	3/4	184,760	3/4	177,566	3/4	170,478	3/4	162,615	3/4	154,459	3/4	145,221	3/4	130,151	3/4	115,029	3/4	99,884	
1	1	184,690	1	177,426	1	170,322	1	162,446	1	154,289	1	144,907	1	129,836	1	114,714	1	99,569	
1/4	1/4	184,569	1/4	177,286	1/4	170,165	1/4	162,276	1/4	154,119	1/4	144,593	1/4	129,521	1/4	114,398	1/4	99,253	
1/2	1/2	184,448	1/2	177,146	1/2	170,008	1/2	162,106	1/2	153,949	1/2	144,279	1/2	129,206	1/2	114,083	1/2	98,938	
3/4	3/4	184,327	3/4	177,005	3/4	169,851	3/4	161,936	3/4	153,779	3/4	143,964	3/4	128,891	3/4	113,767	3/4	98,622	
2	2	184,206	2	176,865	2	169,694	2	161,766	2	153,610	2	143,650	2	128,576	2	113,452	2	98,307	
1/4	1/4	184,044	1/4	176,723	1/4	169,536	1/4	161,596	1/4	153,440	1/4	143,336	1/4	128,261	1/4	113,136	1/4	97,991	
1/2	1/2	183,882	1/2	176,582	1/2	169,377	1/2	161,426	1/2	153,270	1/2	143,022	1/2	127,946	1/2	112,821	1/2	97,676	
3/4	3/4	183,720	3/4	176,440	3/4	169,219	3/4	161,256	3/4	153,100	3/4	142,708	3/4	127,631	3/4	112,505	3/4	97,360	
3	3	183,558	3	176,299	3	169,061	3	161,086	3	152,930	3	142,394	3	127,317	3	112,190	3	97,044	
1/4	1/4	183,390	1/4	176,155	1/4	168,901	1/4	160,916	1/4	152,760	1/4	142,079	1/4	127,002	1/4	111,874	1/4	96,729	
1/2	1/2	183,223	1/2	176,012	1/2	168,742	1/2	160,746	1/2	152,590	1/2	141,765	1/2	126,687	1/2	111,559	1/2	96,413	
3/4	3/4	183,055	3/4	175,869	3/4	168,582	3/4	160,576	3/4	152,420	3/4	141,451	3/4	126,372	3/4	111,244	3/4	96,098	
4	4	182,887	4	175,726	4	168,422	4	160,406	4	152,250	4	141,137	4	126,057	4	110,928	4	95,782	
1/4	1/4	182,720	1/4	175,582	1/4	168,261	1/4	160,237	1/4	152,080	1/4	140,823	1/4	125,742	1/4	110,613	1/4	95,467	
1/2	1/2	182,552	1/2	175,437	1/2	168,100	1/2	160,067	1/2	151,910	1/2	140,509	1/2	125,427	1/2	110,297	1/2	95,151	
3/4	3/4	182,384	3/4	175,293	3/4	167,940	3/4	159,897	3/4	151,740	3/4	140,195	3/4	125,112	3/4	109,982	3/4	94,836	
5	5	182,217	5	175,148	5	167,779	5	159,727	5	151,570	5	139,881	5	124,797	5	109,666	5	94,520	
1/4	1/4	182,049	1/4	175,003	1/4	167,616	1/4	159,557	1/4	151,401	1/4	139,567	1/4	124,482	1/4	109,351	1/4	94,205	
1/2	1/2	181,881	1/2	174,857	1/2	167,454	1/2	159,387	1/2	151,231	1/2	139,254	1/2	124,167	1/2	109,035	1/2	93,889	
3/4	3/4	181,713	3/4	174,711	3/4	167,291	3/4	159,217	3/4	151,061	3/4	138,940	3/4	123,852	3/4	108,720	3/4	93,573	
6	6	181,546	6	174,566	6	167,129	6	159,047	6	150,891	6	138,627	6	123,537	6	108,404	6	93,258	
1/4	1/4	181,378	1/4	174,419	1/4	166,965	1/4	158,877	1/4	150,721	1/4	138,313	1/4	123,222	1/4	108,088	1/4	92,942	
1/2	1/2	181,210	1/2	174,272	1/2	166,802	1/2	158,707	1/2	150,551	1/2	138,000	1/2	122,907	1/2	107,773	1/2	92,627	
3/4	3/4	181,043	3/4	174,124	3/4	166,638	3/4	158,537	3/4	150,381	3/4	137,686	3/4	122,592	3/4	107,457	3/4	92,311	
7	7	180,875	7	173,977	7	166,474	7	158,367	7	150,211	7	137,373	7	122,277	7	107,142	7	91,996	
1/4	1/4	180,709	1/4	173,828	1/4	166,310	1/4	158,197	1/4	150,041	1/4	137,059	1/4	121,962	1/4	106,826	1/4	91,680	
1/2	1/2	180,544	1/2	173,679	1/2	166,145	1/2	158,028	1/2	149,871	1/2	136,746	1/2	121,647	1/2	106,511	1/2	91,365	
3/4	3/4	180,379	3/4	173,530	3/4	165,980	3/4	157,858	3/4	149,701	3/4	136,432	3/4	121,333	3/4	106,195	3/4	91,049	
8	8	180,213	8	173,381	8	165,815	8	157,688	8	149,531	8	136,118	8	121,018	8	105,880	8	90,734	
1/4	1/4	180,065	1/4	173,231	1/4	165,649	1/4	157,518	1/4	149,361	1/4	135,805	1/4	120,703	1/4	105,564	1/4	90,418	
1/2	1/2	179,917	1/2	173,081	1/2	165,483	1/2	157,348	1/2	149,192	1/2	135,491	1/2	120,388	1/2	105,249	1/2	90,102	
3/4	3/4	179,768	3/4	172,930	3/4	165,316	3/4	157,178	3/4	149,022	3/4	135,178	3/4	120,073	3/4	104,933	3/4	89,787	
9	9	179,620	9	172,780	9	165,150	9	157,008	9	148,852	9	134,864	9	119,758	9	104,617	9	89,471	
1/4	1/4	179,485	1/4	172,628	1/4	164,983	1/4	156,838	1/4	148,682	1/4	134,551	1/4	119,443	1/4	104,302	1/4	89,156	
1/2	1/2	179,350	1/2	172,476	1/2	164,815	1/2	156,668	1/2	148,512	1/2	134,237	1/2	119,128	1/2	103,986	1/2	88,840	
3/4	3/4	179,215	3/4	172,325	3/4	164,647	3/4	156,498	3/4	148,342	3/4	133,924	3/4	118,813	3/4	103,671	3/4	88,525	
10	10	179,080	10	172,173	10	164,480	10	156,328	10	148,172	10	133,610	10	118,498	10	103,355	10	88,209	
1/4	1/4	178,944	1/4	172,020	1/4	164,311	1/4	156,158	1/4	147,984	1/4	133,297	1/4	118,183	1/4	103,040	1/4	87,894	
1/2	1/2	178,807	1/2	171,867	1/2	164,142	1/2	155,988	1/2	147,796	1/2	132,983	1/2	117,868	1/2	102,724	1/2	87,578	
3/4	3/4	178,671	3/4	171,714	3/4	163,973	3/4	155,819	3/4	147,608	3/4	132,669	3/4	117,553	3/4	102,409	3/4	87,263	
11	11	178,534	11	171,561	11	163,804	11	155,649	11	147,420	11	132,356	11	117,238	11	102,093	11	86,947	
1/4	1/4	178,396	1/4	171,407	1/4	163,634	1/4	155,479	1/4	147,106	1/4	132,041	1/4	116,922	1/4	101,778	1/4	86,632	
1/2	1/2	178,259	1/2	171,253	1/2	163,465	1/2	155,309	1/2	146,792	1/2	131,726	1/2	116,607	1/2	101,462	1/2	86,316	
3/4	3/4	178,121	3/4	171,099	3/4	163,295	3/4	155,139	3/4	146,478	3/4	131,411	3/4	116,291	3/4	101,146	3/4	86,000	

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'-06" OFF CENTERLINE AND 54'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 398"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08"

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	85,685	0	70,535	0	55,386	0	40,249	0	25,103	0	9,954	0		0		0		0	
1/4	85,369	1/4	70,220	1/4	55,070	1/4	39,934	1/4	24,787	1/4	9,638	1/4		1/4		1/4		1/4	
1/2	85,054	1/2	69,904	1/2	54,754	1/2	39,619	1/2	24,472	1/2	9,323	1/2		1/2		1/2		1/2	
3/4	84,738	3/4	69,588	3/4	54,439	3/4	39,304	3/4	24,156	3/4	9,007	3/4		3/4		3/4		3/4	
1	84,423	1	69,273	1	54,123	1	38,988	1	23,840	1	8,691	1		1		1		1	
1/4	84,107	1/4	68,957	1/4	53,808	1/4	38,673	1/4	23,525	1/4	8,375	1/4		1/4		1/4		1/4	
1/2	83,791	1/2	68,642	1/2	53,492	1/2	38,358	1/2	23,209	1/2	8,059	1/2		1/2		1/2		1/2	
3/4	83,476	3/4	68,326	3/4	53,176	3/4	38,042	3/4	22,894	3/4	7,742	3/4		3/4		3/4		3/4	
2	83,160	2	68,010	2	52,861	2	37,727	2	22,578	2	7,429	2		2		2		2	
1/4	82,844	1/4	67,695	1/4	52,545	1/4	37,411	1/4	22,262	1/4	7,113	1/4		1/4		1/4		1/4	
1/2	82,529	1/2	67,379	1/2	52,229	1/2	37,096	1/2	21,947	1/2	6,798	1/2		1/2		1/2		1/2	
3/4	82,213	3/4	67,063	3/4	51,914	3/4	36,780	3/4	21,631	3/4	6,482	3/4		3/4		3/4		3/4	
3	81,898	3	66,748	3	51,598	3	36,465	3	21,316	3	6,167	3		3		3		3	
1/4	81,582	1/4	66,432	1/4	51,283	1/4	36,149	1/4	21,000	1/4	5,851	1/4		1/4		1/4		1/4	
1/2	81,266	1/2	66,117	1/2	50,967	1/2	35,833	1/2	20,684	1/2	5,535	1/2		1/2		1/2		1/2	
3/4	80,951	3/4	65,801	3/4	50,652	3/4	35,518	3/4	20,369	3/4	5,220	3/4		3/4		3/4		3/4	
4	80,635	4	65,485	4	50,336	4	35,202	4	20,053	4	4,904	4		4		4		4	
1/4	80,319	1/4	65,170	1/4	50,021	1/4	34,887	1/4	19,738	1/4	4,592	1/4		1/4		1/4		1/4	
1/2	80,004	1/2	64,854	1/2	49,706	1/2	34,571	1/2	19,422	1/2	4,279	1/2		1/2		1/2		1/2	
3/4	79,688	3/4	64,539	3/4	49,391	3/4	34,255	3/4	19,106	3/4	3,967	3/4		3/4		3/4		3/4	
5	79,373	5	64,223	5	49,076	5	33,940	5	18,791	5	3,655	5		5		5		5	
1/4	79,057	1/4	63,907	1/4	48,760	1/4	33,624	1/4	18,476	1/4	3,372	1/4		1/4		1/4		1/4	
1/2	78,741	1/2	63,592	1/2	48,445	1/2	33,309	1/2	18,161	1/2	3,089	1/2		1/2		1/2		1/2	
3/4	78,426	3/4	63,276	3/4	48,130	3/4	32,993	3/4	17,846	3/4	2,807	3/4		3/4		3/4		3/4	
6	78,110	6	62,960	6	47,815	6	32,677	6	17,528	6	2,524	6		6		6		6	
1/4	77,795	1/4	62,645	1/4	47,499	1/4	32,362	1/4	17,213	1/4	2,294	1/4		1/4		1/4		1/4	
1/2	77,479	1/2	62,329	1/2	47,184	1/2	32,046	1/2	16,897	1/2	2,064	1/2		1/2		1/2		1/2	
3/4	77,163	3/4	62,014	3/4	46,869	3/4	31,731	3/4	16,581	3/4	1,834	3/4		3/4		3/4		3/4	
7	76,848	7	61,698	7	46,554	7	31,415	7	16,266	7	1,604	7		7		7		7	
1/4	76,532	1/4	61,382	1/4	46,239	1/4	31,099	1/4	15,950	1/4	1,426	1/4		1/4		1/4		1/4	
1/2	76,216	1/2	61,067	1/2	45,923	1/2	30,784	1/2	15,635	1/2	1,248	1/2		1/2		1/2		1/2	
3/4	75,901	3/4	60,751	3/4	45,608	3/4	30,468	3/4	15,319	3/4	1,071	3/4		3/4		3/4		3/4	
8	75,585	8	60,436	8	45,293	8	30,153	8	15,003	8	894	8		8		8		8	
1/4	75,270	1/4	60,120	1/4	44,978	1/4	29,837	1/4	14,688	1/4		1/4		1/4		1/4		1/4	
1/2	74,954	1/2	59,804	1/2	44,662	1/2	29,521	1/2	14,372	1/2		1/2		1/2		1/2		1/2	
3/4	74,638	3/4	59,489	3/4	44,347	3/4	29,206	3/4	14,057	3/4		3/4		3/4		3/4		3/4	
9	74,323	9	59,173	9	44,032	9	28,890	9	13,741	9		9		9		9		9	
1/4	74,007	1/4	58,857	1/4	43,717	1/4	28,574	1/4	13,425	1/4		1/4		1/4		1/4		1/4	
1/2	73,691	1/2	58,542	1/2	43,402	1/2	28,259	1/2	13,110	1/2		1/2		1/2		1/2		1/2	
3/4	73,376	3/4	58,226	3/4	43,086	3/4	27,943	3/4	12,794	3/4		3/4		3/4		3/4		3/4	
10	73,060	10	57,911	10	42,771	10	27,628	10	12,479	10		10		10		10		10	
1/4	72,745	1/4	57,595	1/4	42,456	1/4	27,312	1/4	12,163	1/4		1/4		1/4		1/4		1/4	
1/2	72,429	1/2	57,279	1/2	42,141	1/2	26,996	1/2	11,847	1/2		1/2		1/2		1/2		1/2	
3/4	72,113	3/4	56,964	3/4	41,825	3/4	26,681	3/4	11,532	3/4		3/4		3/4		3/4		3/4	
11	71,798	11	56,648	11	41,510	11	26,365	11	11,216	11		11		11		11		11	
1/4	71,482	1/4	56,332	1/4	41,195	1/4	26,050	1/4	10,901	1/4		1/4		1/4		1/4		1/4	
1/2	71,167	1/2	56,017	1/2	40,880	1/2	25,734	1/2	10,585	1/2		1/2		1/2		1/2		1/2	
3/4	70,851	3/4	55,701	3/4	40,565	3/4	25,418	3/4	10,269	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/21/2015 CL
CALCULATED: 09/21/2015 CL
PRINTED: 09/21/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2015

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



BARGE "CBC 398"

2 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	205,693	0	191,688	0	176,882	0	161,707	0	146,532	0	131,356	0	116,182	0	101,003
1/4		1/4		1/4	205,409	1/4	191,388	1/4	176,566	1/4	161,391	1/4	146,215	1/4	131,040	1/4	115,867	1/4	100,687
1/2		1/2		1/2	219,055	1/2	205,126	1/2	191,087	1/2	176,250	1/2	161,075	1/2	145,899	1/2	130,724	1/2	115,549
3/4		3/4		3/4	218,841	3/4	204,841	3/4	190,785	3/4	175,934	3/4	160,758	3/4	145,583	3/4	130,408	3/4	115,233
1		1		1	218,627	1	204,557	1	190,483	1	175,617	1	160,442	1	145,267	1	130,092	1	114,916
1/4		1/4		1/4	218,413	1/4	204,272	1/4	190,182	1/4	175,301	1/4	160,126	1/4	144,951	1/4	129,776	1/4	114,600
1/2		1/2		1/2	218,198	1/2	203,987	1/2	189,880	1/2	174,985	1/2	159,810	1/2	144,635	1/2	129,459	1/2	114,284
3/4		3/4		3/4	217,933	3/4	203,701	3/4	189,577	3/4	174,669	3/4	159,494	3/4	144,319	3/4	129,143	3/4	113,968
2		2		2	217,668	2	203,415	2	189,273	2	174,353	2	159,178	2	144,002	2	128,827	2	113,652
1/4		1/4		1/4	217,403	1/4	203,129	1/4	188,970	1/4	174,037	1/4	158,861	1/4	143,686	1/4	128,511	1/4	113,336
1/2		1/2		1/2	217,138	1/2	202,844	1/2	188,667	1/2	173,721	1/2	158,545	1/2	143,370	1/2	128,195	1/2	113,020
3/4		3/4		3/4	216,832	3/4	202,556	3/4	188,362	3/4	173,404	3/4	158,229	3/4	143,054	3/4	127,879	3/4	112,703
3		3		3	216,526	3	202,269	3	188,058	3	173,088	3	157,913	3	142,738	3	127,563	3	112,387
1/4		1/4		1/4	216,219	1/4	201,982	1/4	187,753	1/4	172,772	1/4	157,597	1/4	142,422	1/4	127,246	1/4	112,071
1/2		1/2		1/2	215,913	1/2	201,695	1/2	187,449	1/2	172,456	1/2	157,281	1/2	142,105	1/2	126,930	1/2	111,755
3/4		3/4		3/4	215,601	3/4	201,406	3/4	187,143	3/4	172,140	3/4	156,965	3/4	141,789	3/4	126,614	3/4	111,438
4		4		4	215,289	4	201,117	4	186,837	4	171,824	4	156,648	4	141,473	4	126,298	4	111,122
1/4		1/4		1/4	214,977	1/4	200,829	1/4	186,532	1/4	171,508	1/4	156,332	1/4	141,157	1/4	125,982	1/4	110,805
1/2		1/2		1/2	214,665	1/2	200,540	1/2	186,226	1/2	171,191	1/2	156,016	1/2	140,841	1/2	125,666	1/2	110,490
3/4		3/4		3/4	214,353	3/4	200,250	3/4	185,919	3/4	170,875	3/4	155,700	3/4	140,525	3/4	125,349	3/4	110,174
5		5		5	214,041	5	199,960	5	185,612	5	170,559	5	155,384	5	140,209	5	125,033	5	109,858
1/4		1/4		1/4	213,729	1/4	199,670	1/4	185,304	1/4	170,243	1/4	155,068	1/4	139,892	1/4	124,717	1/4	109,542
1/2		1/2		1/2	213,417	1/2	199,380	1/2	184,997	1/2	169,927	1/2	154,752	1/2	139,576	1/2	124,401	1/2	109,226
3/4		3/4		3/4	213,105	3/4	199,089	3/4	184,689	3/4	169,611	3/4	154,435	3/4	139,260	3/4	124,085	3/4	108,910
6		6		6	212,793	6	198,797	6	184,380	6	169,294	6	154,119	6	138,944	6	123,769	6	108,594
1/4		1/4		1/4	212,481	1/4	198,506	1/4	184,071	1/4	168,978	1/4	153,803	1/4	138,628	1/4	123,453	1/4	108,277
1/2		1/2		1/2	212,169	1/2	198,215	1/2	183,763	1/2	168,662	1/2	153,487	1/2	138,312	1/2	123,136	1/2	107,961
3/4		3/4		3/4	211,857	3/4	197,922	3/4	183,453	3/4	168,346	3/4	153,171	3/4	137,996	3/4	122,820	3/4	107,645
7		7		7	211,545	7	197,629	7	183,143	7	168,030	7	152,855	7	137,679	7	122,504	7	107,328
1/4		1/4		1/4	211,233	1/4	197,337	1/4	182,833	1/4	167,714	1/4	152,538	1/4	137,363	1/4	122,188	1/4	107,012
1/2		1/2		1/2	210,921	1/2	197,044	1/2	182,523	1/2	167,398	1/2	152,222	1/2	137,047	1/2	121,872	1/2	106,696
3/4		3/4		3/4	210,611	3/4	196,749	3/4	182,212	3/4	167,081	3/4	151,906	3/4	136,731	3/4	121,556	3/4	106,380
8		8		8	210,301	8	196,454	8	181,901	8	166,765	8	151,590	8	136,415	8	121,240	8	106,063
1/4		1/4		1/4	209,991	1/4	196,158	1/4	181,590	1/4	166,449	1/4	151,274	1/4	136,099	1/4	120,923	1/4	105,747
1/2		1/2		1/2	209,681	1/2	195,863	1/2	181,279	1/2	166,133	1/2	150,958	1/2	135,782	1/2	120,607	1/2	105,431
3/4		3/4		3/4	209,389	3/4	195,567	3/4	180,967	3/4	165,817	3/4	150,642	3/4	135,466	3/4	120,291	3/4	105,115
9		9		9	209,096	9	195,270	9	180,654	9	165,501	9	150,325	9	135,150	9	119,975	9	104,798
1/4		1/4		1/4	208,803	1/4	194,973	1/4	180,342	1/4	165,185	1/4	150,009	1/4	134,834	1/4	119,659	1/4	104,482
1/2		1/2		1/2	208,511	1/2	194,677	1/2	180,029	1/2	164,868	1/2	149,693	1/2	134,518	1/2	119,343	1/2	104,166
3/4		3/4		3/4	208,230	3/4	194,379	3/4	179,715	3/4	164,552	3/4	149,377	3/4	134,202	3/4	119,026	3/4	103,850
10		10		10	207,949	10	194,081	10	179,402	10	164,236	10	149,061	10	133,886	10	118,710	10	103,533
1/4		1/4		1/4	207,669	1/4	193,783	1/4	179,088	1/4	163,920	1/4	148,745	1/4	133,569	1/4	118,394	1/4	103,217
1/2		1/2		1/2	207,388	1/2	193,485	1/2	178,774	1/2	163,604	1/2	148,428	1/2	133,253	1/2	118,078	1/2	102,901
3/4		3/4		3/4	207,106	3/4	193,186	3/4	178,459	3/4	163,288	3/4	148,112	3/4	132,937	3/4	117,762	3/4	102,584
11		11		11	206,824	11	192,887	11	178,144	11	162,971	11	147,796	11	132,621	11	117,446	11	102,268
1/4		1/4		1/4	206,542	1/4	192,588	1/4	177,829	1/4	162,655	1/4	147,480	1/4	132,305	1/4	117,130	1/4	101,952
1/2		1/2		1/2	206,259	1/2	192,289	1/2	177,513	1/2	162,339	1/2	147,164	1/2	131,989	1/2	116,813	1/2	101,636
3/4		3/4		3/4	205,976	3/4	191,988	3/4	177,197	3/4	162,023	3/4	146,848	3/4	131,672	3/4	116,498	3/4	101,319

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'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CBC 398"

2 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	85,822	0	70,641	0	55,460	0	40,832	0	25,787	0	10,607	0		0		0		0	
1/4	85,506	1/4	70,325	1/4	55,144	1/4	40,530	1/4	25,471	1/4	10,290	1/4		1/4		1/4		1/4	
1/2	85,190	1/2	70,009	1/2	54,828	1/2	40,229	1/2	25,154	1/2	9,974	1/2		1/2		1/2		1/2	
3/4	84,873	3/4	69,693	3/4	54,512	3/4	39,927	3/4	24,838	3/4	9,658	3/4		3/4		3/4		3/4	
1	84,557	1	69,376	1	54,195	1	39,625	1	24,522	1	9,342	1		1		1		1	
1/4	84,241	1/4	69,060	1/4	53,879	1/4	39,323	1/4	24,206	1/4	9,025	1/4		1/4		1/4		1/4	
1/2	83,925	1/2	68,744	1/2	53,563	1/2	39,021	1/2	23,889	1/2	8,709	1/2		1/2		1/2		1/2	
3/4	83,608	3/4	68,427	3/4	53,248	3/4	38,717	3/4	23,573	3/4	8,392	3/4		3/4		3/4		3/4	
2	83,292	2	68,111	2	52,934	2	38,413	2	23,257	2	8,075	2		2		2		2	
1/4	82,976	1/4	67,795	1/4	52,619	1/4	38,109	1/4	22,941	1/4	7,758	1/4		1/4		1/4		1/4	
1/2	82,660	1/2	67,479	1/2	52,305	1/2	37,805	1/2	22,624	1/2	7,444	1/2		1/2		1/2		1/2	
3/4	82,343	3/4	67,162	3/4	52,002	3/4	37,488	3/4	22,308	3/4	7,128	3/4		3/4		3/4		3/4	
3	82,027	3	66,846	3	51,700	3	37,172	3	21,992	3	6,812	3		3		3		3	
1/4	81,711	1/4	66,530	1/4	51,398	1/4	36,856	1/4	21,675	1/4	6,495	1/4		1/4		1/4		1/4	
1/2	81,394	1/2	66,214	1/2	51,096	1/2	36,540	1/2	21,359	1/2	6,179	1/2		1/2		1/2		1/2	
3/4	81,078	3/4	65,897	3/4	50,794	3/4	36,223	3/4	21,043	3/4	5,863	3/4		3/4		3/4		3/4	
4	80,762	4	65,581	4	50,492	4	35,907	4	20,727	4	5,547	4		4		4		4	
1/4	80,446	1/4	65,265	1/4	50,190	1/4	35,591	1/4	20,410	1/4	5,230	1/4		1/4		1/4		1/4	
1/2	80,129	1/2	64,949	1/2	49,888	1/2	35,274	1/2	20,094	1/2	4,914	1/2		1/2		1/2		1/2	
3/4	79,813	3/4	64,632	3/4	49,586	3/4	34,958	3/4	19,778	3/4	4,601	3/4		3/4		3/4		3/4	
5	79,497	5	64,316	5	49,284	5	34,642	5	19,462	5	4,288	5		5		5		5	
1/4	79,181	1/4	64,000	1/4	48,982	1/4	34,326	1/4	19,145	1/4	3,975	1/4		1/4		1/4		1/4	
1/2	78,864	1/2	63,683	1/2	48,681	1/2	34,009	1/2	18,829	1/2	3,662	1/2		1/2		1/2		1/2	
3/4	78,548	3/4	63,367	3/4	48,379	3/4	33,693	3/4	18,514	3/4	3,379	3/4		3/4		3/4		3/4	
6	78,232	6	63,051	6	48,077	6	33,377	6	18,198	6	3,096	6		6		6		6	
1/4	77,916	1/4	62,735	1/4	47,775	1/4	33,061	1/4	17,883	1/4	2,812	1/4		1/4		1/4		1/4	
1/2	77,599	1/2	62,418	1/2	47,473	1/2	32,744	1/2	17,564	1/2	2,529	1/2		1/2		1/2		1/2	
3/4	77,283	3/4	62,102	3/4	47,171	3/4	32,428	3/4	17,248	3/4	2,298	3/4		3/4		3/4		3/4	
7	76,967	7	61,786	7	46,869	7	32,112	7	16,932	7	2,068	7		7		7		7	
1/4	76,650	1/4	61,470	1/4	46,568	1/4	31,796	1/4	16,615	1/4	1,837	1/4		1/4		1/4		1/4	
1/2	76,334	1/2	61,153	1/2	46,266	1/2	31,479	1/2	16,299	1/2	1,607	1/2		1/2		1/2		1/2	
3/4	76,018	3/4	60,837	3/4	45,964	3/4	31,163	3/4	15,983	3/4	1,429	3/4		3/4		3/4		3/4	
8	75,702	8	60,521	8	45,662	8	30,847	8	15,667	8	1,251	8		8		8		8	
1/4	75,385	1/4	60,204	1/4	45,360	1/4	30,531	1/4	15,350	1/4	1,073	1/4		1/4		1/4		1/4	
1/2	75,069	1/2	59,888	1/2	45,058	1/2	30,214	1/2	15,034	1/2	895	1/2		1/2		1/2		1/2	
3/4	74,753	3/4	59,572	3/4	44,756	3/4	29,898	3/4	14,718	3/4		3/4		3/4		3/4		3/4	
9	74,437	9	59,256	9	44,455	9	29,582	9	14,402	9		9		9		9		9	
1/4	74,120	1/4	58,939	1/4	44,153	1/4	29,266	1/4	14,085	1/4		1/4		1/4		1/4		1/4	
1/2	73,804	1/2	58,623	1/2	43,851	1/2	28,949	1/2	13,769	1/2		1/2		1/2		1/2		1/2	
3/4	73,488	3/4	58,307	3/4	43,549	3/4	28,633	3/4	13,453	3/4		3/4		3/4		3/4		3/4	
10	73,171	10	57,991	10	43,247	10	28,317	10	13,137	10		10		10		10		10	
1/4	72,855	1/4	57,674	1/4	42,945	1/4	28,001	1/4	12,820	1/4		1/4		1/4		1/4		1/4	
1/2	72,539	1/2	57,358	1/2	42,643	1/2	27,684	1/2	12,504	1/2		1/2		1/2		1/2		1/2	
3/4	72,223	3/4	57,042	3/4	42,342	3/4	27,368	3/4	12,188	3/4		3/4		3/4		3/4		3/4	
11	71,906	11	56,726	11	42,040	11	27,052	11	11,872	11		11		11		11		11	
1/4	71,590	1/4	56,409	1/4	41,738	1/4	26,736	1/4	11,555	1/4		1/4		1/4		1/4		1/4	
1/2	71,274	1/2	56,093	1/2	41,436	1/2	26,419	1/2	11,239	1/2		1/2		1/2		1/2		1/2	
3/4	70,958	3/4	55,777	3/4	41,134	3/4	26,103	3/4	10,923	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/21/2015 CL
CALCULATED: 09/21/2015 CL
PRINTED: 09/21/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2015

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



BARGE "CBC 398"

2 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	206,417	0	192,372	0	177,526	0	162,326	0	147,126	0	131,925	0	116,725	0	101,521
1/4		1/4		1/4	220,085	1/4	206,133	1/4	192,071	1/4	177,210	1/4	162,009	1/4	146,809	1/4	131,608	1/4	116,408
1/2		1/2		1/2	219,871	1/2	205,848	1/2	191,769	1/2	176,893	1/2	161,693	1/2	146,492	1/2	131,292	1/2	116,091
3/4		3/4		3/4	219,656	3/4	205,563	3/4	191,467	3/4	176,576	3/4	161,376	3/4	146,176	3/4	130,975	3/4	115,775
1		1		1	219,442	1	205,278	1	191,164	1	176,260	1	161,059	1	145,859	1	130,658	1	115,458
1/4		1/4		1/4	219,227	1/4	204,992	1/4	190,862	1/4	175,943	1/4	160,743	1/4	145,542	1/4	130,342	1/4	115,141
1/2		1/2		1/2	218,962	1/2	204,706	1/2	190,558	1/2	175,626	1/2	160,426	1/2	145,226	1/2	130,025	1/2	114,825
3/4		3/4		3/4	218,696	3/4	204,420	3/4	190,255	3/4	175,310	3/4	160,109	3/4	144,909	3/4	129,708	3/4	114,508
2		2		2	218,430	2	204,133	2	189,951	2	174,993	2	159,793	2	144,592	2	129,392	2	114,191
1/4		1/4		1/4	218,165	1/4	203,847	1/4	189,647	1/4	174,676	1/4	159,476	1/4	144,276	1/4	129,075	1/4	113,875
1/2		1/2		1/2	217,858	1/2	203,559	1/2	189,342	1/2	174,360	1/2	159,159	1/2	143,959	1/2	128,758	1/2	113,558
3/4		3/4		3/4	217,551	3/4	203,272	3/4	189,037	3/4	174,043	3/4	158,843	3/4	143,642	3/4	128,442	3/4	113,241
3		3		3	217,245	3	202,984	3	188,732	3	173,726	3	158,526	3	143,326	3	128,125	3	112,925
1/4		1/4		1/4	216,938	1/4	202,696	1/4	188,427	1/4	173,410	1/4	158,209	1/4	143,009	1/4	127,808	1/4	112,608
1/2		1/2		1/2	216,625	1/2	202,407	1/2	188,121	1/2	173,093	1/2	157,893	1/2	142,692	1/2	127,492	1/2	112,291
3/4		3/4		3/4	216,313	3/4	202,118	3/4	187,815	3/4	172,776	3/4	157,576	3/4	142,375	3/4	127,175	3/4	111,975
4		4		4	216,000	4	201,829	4	187,508	4	172,460	4	157,259	4	142,059	4	126,858	4	111,658
1/4		1/4		1/4	215,688	1/4	201,540	1/4	187,202	1/4	172,143	1/4	156,943	1/4	141,742	1/4	126,542	1/4	111,341
1/2		1/2		1/2	215,375	1/2	201,249	1/2	186,894	1/2	171,826	1/2	156,626	1/2	141,425	1/2	126,225	1/2	111,025
3/4		3/4		3/4	215,063	3/4	200,959	3/4	186,587	3/4	171,510	3/4	156,309	3/4	141,109	3/4	125,908	3/4	110,708
5		5		5	214,750	5	200,668	5	186,279	5	171,193	5	155,993	5	140,792	5	125,592	5	110,391
1/4		1/4		1/4	214,437	1/4	200,378	1/4	185,971	1/4	170,876	1/4	155,676	1/4	140,475	1/4	125,275	1/4	110,074
1/2		1/2		1/2	214,125	1/2	200,086	1/2	185,662	1/2	170,560	1/2	155,359	1/2	140,159	1/2	124,958	1/2	109,758
3/4		3/4		3/4	213,812	3/4	199,794	3/4	185,353	3/4	170,243	3/4	155,043	3/4	139,842	3/4	124,642	3/4	109,441
6		6		6	213,500	6	199,503	6	185,044	6	169,926	6	154,726	6	139,525	6	124,325	6	109,124
1/4		1/4		1/4	213,187	1/4	199,211	1/4	184,735	1/4	169,610	1/4	154,409	1/4	139,209	1/4	124,008	1/4	108,807
1/2		1/2		1/2	212,875	1/2	198,918	1/2	184,425	1/2	169,293	1/2	154,092	1/2	138,892	1/2	123,692	1/2	108,490
3/4		3/4		3/4	212,562	3/4	198,624	3/4	184,114	3/4	168,976	3/4	153,776	3/4	138,575	3/4	123,375	3/4	108,174
7		7		7	212,250	7	198,331	7	183,804	7	168,660	7	153,459	7	138,259	7	123,058	7	107,857
1/4		1/4		1/4	211,937	1/4	198,038	1/4	183,493	1/4	168,343	1/4	153,142	1/4	137,942	1/4	122,742	1/4	107,540
1/2		1/2		1/2	211,627	1/2	197,742	1/2	183,182	1/2	168,026	1/2	152,826	1/2	137,625	1/2	122,425	1/2	107,223
3/4		3/4		3/4	211,316	3/4	197,447	3/4	182,870	3/4	167,710	3/4	152,509	3/4	137,309	3/4	122,108	3/4	106,906
8		8		8	211,006	8	197,151	8	182,559	8	167,393	8	152,192	8	136,992	8	121,792	8	106,590
1/4		1/4		1/4	210,696	1/4	196,855	1/4	182,247	1/4	167,076	1/4	151,876	1/4	136,675	1/4	121,475	1/4	106,273
1/2		1/2		1/2	210,403	1/2	196,558	1/2	181,934	1/2	166,760	1/2	151,559	1/2	136,359	1/2	121,158	1/2	105,956
3/4		3/4		3/4	210,109	3/4	196,261	3/4	181,621	3/4	166,443	3/4	151,242	3/4	136,042	3/4	120,842	3/4	105,639
9		9		9	209,816	9	195,964	9	181,308	9	166,126	9	150,926	9	135,725	9	120,525	9	105,322
1/4		1/4		1/4	209,523	1/4	195,667	1/4	180,995	1/4	165,809	1/4	150,609	1/4	135,409	1/4	120,208	1/4	105,006
1/2		1/2		1/2	209,242	1/2	195,369	1/2	180,681	1/2	165,493	1/2	150,292	1/2	135,092	1/2	119,891	1/2	104,689
3/4		3/4		3/4	208,961	3/4	195,070	3/4	180,367	3/4	165,176	3/4	149,976	3/4	134,775	3/4	119,575	3/4	104,372
10		10		10	208,680	10	194,772	10	180,052	10	164,859	10	149,659	10	134,459	10	119,258	10	104,055
1/4		1/4		1/4	208,399	1/4	194,473	1/4	179,738	1/4	164,543	1/4	149,342	1/4	134,142	1/4	118,941	1/4	103,739
1/2		1/2		1/2	208,116	1/2	194,174	1/2	179,422	1/2	164,226	1/2	149,026	1/2	133,825	1/2	118,625	1/2	103,422
3/4		3/4		3/4	207,833	3/4	193,874	3/4	179,107	3/4	163,909	3/4	148,709	3/4	133,509	3/4	118,308	3/4	103,105
11		11		11	207,551	11	193,575	11	178,791	11	163,593	11	148,392	11	133,192	11	117,991	11	102,788
1/4		1/4		1/4	207,268	1/4	193,275	1/4	178,475	1/4	163,276	1/4	148,076	1/4	132,875	1/4	117,675	1/4	102,471
1/2		1/2		1/2	206,984	1/2	192,974	1/2	178,159	1/2	162,959	1/2	147,759	1/2	132,559	1/2	117,358	1/2	102,155
3/4		3/4		3/4	206,701	3/4	192,673	3/4	177,843	3/4	162,643	3/4	147,442	3/4	132,242	3/4	117,041	3/4	101,838

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'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CBC 398"

2 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	86,315	0	71,109	0	55,903	0	40,716	0	25,513	0	10,307	0		0		0		0	
1/4	85,998	1/4	70,792	1/4	55,587	1/4	40,399	1/4	25,196	1/4	9,991	1/4		1/4		1/4		1/4	
1/2	85,682	1/2	70,476	1/2	55,270	1/2	40,083	1/2	24,879	1/2	9,674	1/2		1/2		1/2		1/2	
3/4	85,365	3/4	70,159	3/4	54,953	3/4	39,767	3/4	24,562	3/4	9,357	3/4		3/4		3/4		3/4	
1	85,048	1	69,842	1	54,636	1	39,450	1	24,246	1	9,040	1		1		1		1	
1/4	84,731	1/4	69,525	1/4	54,319	1/4	39,134	1/4	23,929	1/4	8,723	1/4		1/4		1/4		1/4	
1/2	84,414	1/2	69,209	1/2	54,003	1/2	38,817	1/2	23,612	1/2	8,406	1/2		1/2		1/2		1/2	
3/4	84,098	3/4	68,892	3/4	53,686	3/4	38,501	3/4	23,295	3/4	8,089	3/4		3/4		3/4		3/4	
2	83,781	2	68,575	2	53,369	2	38,184	2	22,978	2	7,771	2		2		2		2	
1/4	83,464	1/4	68,258	1/4	53,052	1/4	37,867	1/4	22,662	1/4	7,456	1/4		1/4		1/4		1/4	
1/2	83,147	1/2	67,941	1/2	52,736	1/2	37,550	1/2	22,345	1/2	7,140	1/2		1/2		1/2		1/2	
3/4	82,830	3/4	67,625	3/4	52,419	3/4	37,233	3/4	22,028	3/4	6,823	3/4		3/4		3/4		3/4	
3	82,514	3	67,308	3	52,102	3	36,917	3	21,711	3	6,506	3		3		3		3	
1/4	82,197	1/4	66,991	1/4	51,785	1/4	36,600	1/4	21,395	1/4	6,189	1/4		1/4		1/4		1/4	
1/2	81,880	1/2	66,674	1/2	51,469	1/2	36,283	1/2	21,078	1/2	5,873	1/2		1/2		1/2		1/2	
3/4	81,563	3/4	66,357	3/4	51,153	3/4	35,966	3/4	20,761	3/4	5,556	3/4		3/4		3/4		3/4	
4	81,247	4	66,041	4	50,837	4	35,650	4	20,444	4	5,239	4		4		4		4	
1/4	80,930	1/4	65,724	1/4	50,520	1/4	35,333	1/4	20,127	1/4	4,922	1/4		1/4		1/4		1/4	
1/2	80,613	1/2	65,407	1/2	50,204	1/2	35,016	1/2	19,811	1/2	4,609	1/2		1/2		1/2		1/2	
3/4	80,296	3/4	65,090	3/4	49,888	3/4	34,699	3/4	19,494	3/4	4,295	3/4		3/4		3/4		3/4	
5	79,979	5	64,773	5	49,572	5	34,382	5	19,177	5	3,982	5		5		5		5	
1/4	79,663	1/4	64,457	1/4	49,255	1/4	34,066	1/4	18,860	1/4	3,668	1/4		1/4		1/4		1/4	
1/2	79,346	1/2	64,140	1/2	48,939	1/2	33,749	1/2	18,544	1/2	3,384	1/2		1/2		1/2		1/2	
3/4	79,029	3/4	63,823	3/4	48,623	3/4	33,432	3/4	18,228	3/4	3,101	3/4		3/4		3/4		3/4	
6	78,712	6	63,506	6	48,306	6	33,115	6	17,912	6	2,817	6		6		6		6	
1/4	78,395	1/4	63,190	1/4	47,990	1/4	32,799	1/4	17,593	1/4	2,533	1/4		1/4		1/4		1/4	
1/2	78,079	1/2	62,873	1/2	47,674	1/2	32,482	1/2	17,276	1/2	2,302	1/2		1/2		1/2		1/2	
3/4	77,762	3/4	62,556	3/4	47,358	3/4	32,165	3/4	16,960	3/4	2,071	3/4		3/4		3/4		3/4	
7	77,445	7	62,239	7	47,041	7	31,848	7	16,643	7	1,840	7		7		7		7	
1/4	77,128	1/4	61,922	1/4	46,725	1/4	31,531	1/4	16,326	1/4	1,609	1/4		1/4		1/4		1/4	
1/2	76,811	1/2	61,606	1/2	46,409	1/2	31,215	1/2	16,009	1/2	1,431	1/2		1/2		1/2		1/2	
3/4	76,495	3/4	61,289	3/4	46,092	3/4	30,898	3/4	15,693	3/4	1,253	3/4		3/4		3/4		3/4	
8	76,178	8	60,972	8	45,776	8	30,581	8	15,376	8	1,075	8		8		8		8	
1/4	75,861	1/4	60,655	1/4	45,460	1/4	30,264	1/4	15,059	1/4	897	1/4		1/4		1/4		1/4	
1/2	75,544	1/2	60,338	1/2	45,144	1/2	29,948	1/2	14,742	1/2		1/2		1/2		1/2		1/2	
3/4	75,228	3/4	60,022	3/4	44,827	3/4	29,631	3/4	14,425	3/4		3/4		3/4		3/4		3/4	
9	74,911	9	59,705	9	44,511	9	29,314	9	14,109	9		9		9		9		9	
1/4	74,594	1/4	59,388	1/4	44,195	1/4	28,997	1/4	13,792	1/4		1/4		1/4		1/4		1/4	
1/2	74,277	1/2	59,071	1/2	43,879	1/2	28,680	1/2	13,475	1/2		1/2		1/2		1/2		1/2	
3/4	73,960	3/4	58,754	3/4	43,562	3/4	28,364	3/4	13,158	3/4		3/4		3/4		3/4		3/4	
10	73,644	10	58,438	10	43,246	10	28,047	10	12,842	10		10		10		10		10	
1/4	73,327	1/4	58,121	1/4	42,930	1/4	27,730	1/4	12,525	1/4		1/4		1/4		1/4		1/4	
1/2	73,010	1/2	57,804	1/2	42,613	1/2	27,413	1/2	12,208	1/2		1/2		1/2		1/2		1/2	
3/4	72,693	3/4	57,487	3/4	42,297	3/4	27,097	3/4	11,891	3/4		3/4		3/4		3/4		3/4	
11	72,376	11	57,171	11	41,981	11	26,780	11	11,574	11		11		11		11		11	
1/4	72,060	1/4	56,854	1/4	41,665	1/4	26,463	1/4	11,258	1/4		1/4		1/4		1/4		1/4	
1/2	71,743	1/2	56,537	1/2	41,348	1/2	26,146	1/2	10,941	1/2		1/2		1/2		1/2		1/2	
3/4	71,426	3/4	56,220	3/4	41,032	3/4	25,829	3/4	10,624	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/21/2015 CL
CALCULATED: 09/21/2015 CL
PRINTED: 09/21/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2015

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



BARGE "CBC 398"

1 STBD 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4		1/4	220,454	1/4	206,473	1/4	192,383	1/4	177,490	1/4	162,259	1/4	147,028	1/4	131,797	1/4	116,565	1/4	101,331
1/2		1/2	220,239	1/2	206,187	1/2	192,080	1/2	177,173	1/2	161,942	1/2	146,711	1/2	131,479	1/2	116,248	1/2	101,013
3/4		3/4	220,024	3/4	205,902	3/4	191,777	3/4	176,856	3/4	161,625	3/4	146,393	3/4	131,162	3/4	115,931	3/4	100,696
1	1	1	219,809	1	205,616	1	191,474	1	176,538	1	161,307	1	146,076	1	130,845	1	115,613	1	100,379
1/4		1/4	219,594	1/4	205,330	1/4	191,171	1/4	176,221	1/4	160,990	1/4	145,759	1/4	130,527	1/4	115,296	1/4	100,061
1/2		1/2	219,328	1/2	205,043	1/2	190,867	1/2	175,904	1/2	160,673	1/2	145,441	1/2	130,210	1/2	114,979	1/2	99,744
3/4		3/4	219,062	3/4	204,756	3/4	190,562	3/4	175,586	3/4	160,355	3/4	145,124	3/4	129,893	3/4	114,662	3/4	99,426
2	2	2	218,796	2	204,469	2	190,258	2	175,269	2	160,038	2	144,807	2	129,575	2	114,344	2	99,109
1/4		1/4	218,530	1/4	204,182	1/4	189,954	1/4	174,952	1/4	159,721	1/4	144,489	1/4	129,258	1/4	114,027	1/4	98,791
1/2		1/2	218,222	1/2	203,894	1/2	189,648	1/2	174,635	1/2	159,403	1/2	144,172	1/2	128,941	1/2	113,710	1/2	98,474
3/4		3/4	217,915	3/4	203,606	3/4	189,342	3/4	174,317	3/4	159,086	3/4	143,855	3/4	128,624	3/4	113,392	3/4	98,156
3	3	3	217,608	3	203,318	3	189,037	3	174,000	3	158,769	3	143,537	3	128,306	3	113,075	3	97,839
1/4		1/4	217,300	1/4	203,029	1/4	188,731	1/4	173,683	1/4	158,451	1/4	143,220	1/4	127,989	1/4	112,758	1/4	97,522
1/2		1/2	216,987	1/2	202,740	1/2	188,424	1/2	173,365	1/2	158,134	1/2	142,903	1/2	127,672	1/2	112,440	1/2	97,204
3/4		3/4	216,674	3/4	202,450	3/4	188,117	3/4	173,048	3/4	157,817	3/4	142,585	3/4	127,354	3/4	112,123	3/4	96,887
4	4	4	216,361	4	202,160	4	187,811	4	172,731	4	157,499	4	142,268	4	127,037	4	111,805	4	96,569
1/4		1/4	216,048	1/4	201,871	1/4	187,504	1/4	172,413	1/4	157,182	1/4	141,951	1/4	126,720	1/4	111,488	1/4	96,252
1/2		1/2	215,734	1/2	201,579	1/2	187,195	1/2	172,096	1/2	156,865	1/2	141,634	1/2	126,402	1/2	111,171	1/2	95,934
3/4		3/4	215,421	3/4	201,288	3/4	186,887	3/4	171,779	3/4	156,547	3/4	141,316	3/4	126,085	3/4	110,854	3/4	95,617
5	5	5	215,108	5	200,997	5	186,579	5	171,461	5	156,230	5	140,999	5	125,768	5	110,536	5	95,300
1/4		1/4	214,795	1/4	200,706	1/4	186,270	1/4	171,144	1/4	155,913	1/4	140,682	1/4	125,450	1/4	110,219	1/4	94,982
1/2		1/2	214,482	1/2	200,414	1/2	185,961	1/2	170,827	1/2	155,595	1/2	140,364	1/2	125,133	1/2	109,902	1/2	94,665
3/4		3/4	214,168	3/4	200,122	3/4	185,651	3/4	170,509	3/4	155,278	3/4	140,047	3/4	124,816	3/4	109,584	3/4	94,347
6	6	6	213,855	6	199,829	6	185,341	6	170,192	6	154,961	6	139,730	6	124,498	6	109,267	6	94,030
1/4		1/4	213,542	1/4	199,537	1/4	185,031	1/4	169,875	1/4	154,644	1/4	139,412	1/4	124,181	1/4	108,949	1/4	93,712
1/2		1/2	213,229	1/2	199,243	1/2	184,720	1/2	169,557	1/2	154,326	1/2	139,095	1/2	123,864	1/2	108,632	1/2	93,395
3/4		3/4	212,916	3/4	198,949	3/4	184,409	3/4	169,240	3/4	154,009	3/4	138,778	3/4	123,546	3/4	108,314	3/4	93,078
7	7	7	212,603	7	198,655	7	184,098	7	168,923	7	153,692	7	138,460	7	123,229	7	107,997	7	92,760
1/4		1/4	212,289	1/4	198,362	1/4	183,787	1/4	168,605	1/4	153,374	1/4	138,143	1/4	122,912	1/4	107,680	1/4	92,443
1/2		1/2	211,978	1/2	198,065	1/2	183,475	1/2	168,288	1/2	153,057	1/2	137,826	1/2	122,594	1/2	107,362	1/2	92,125
3/4		3/4	211,667	3/4	197,769	3/4	183,163	3/4	167,971	3/4	152,740	3/4	137,508	3/4	122,277	3/4	107,045	3/4	91,808
8	8	8	211,356	8	197,473	8	182,851	8	167,654	8	152,422	8	137,191	8	121,960	8	106,727	8	91,490
1/4		1/4	211,045	1/4	197,176	1/4	182,538	1/4	167,336	1/4	152,105	1/4	136,874	1/4	121,643	1/4	106,410	1/4	91,173
1/2		1/2	210,752	1/2	196,879	1/2	182,225	1/2	167,019	1/2	151,788	1/2	136,556	1/2	121,325	1/2	106,092	1/2	90,855
3/4		3/4	210,458	3/4	196,581	3/4	181,911	3/4	166,702	3/4	151,470	3/4	136,239	3/4	121,008	3/4	105,775	3/4	90,538
9	9	9	210,164	9	196,283	9	181,598	9	166,384	9	151,153	9	135,922	9	120,691	9	105,457	9	90,221
1/4		1/4	209,870	1/4	195,986	1/4	181,284	1/4	166,067	1/4	150,836	1/4	135,604	1/4	120,373	1/4	105,140	1/4	89,903
1/2		1/2	209,589	1/2	195,687	1/2	180,969	1/2	165,750	1/2	150,518	1/2	135,287	1/2	120,056	1/2	104,823	1/2	89,586
3/4		3/4	209,307	3/4	195,388	3/4	180,654	3/4	165,432	3/4	150,201	3/4	134,970	3/4	119,739	3/4	104,505	3/4	89,268
10	10	10	209,025	10	195,089	10	180,339	10	165,115	10	149,884	10	134,653	10	119,421	10	104,188	10	88,951
1/4		1/4	208,743	1/4	194,790	1/4	180,024	1/4	164,798	1/4	149,566	1/4	134,335	1/4	119,104	1/4	103,870	1/4	88,633
1/2		1/2	208,460	1/2	194,490	1/2	179,708	1/2	164,480	1/2	149,249	1/2	134,018	1/2	118,787	1/2	103,553	1/2	88,316
3/4		3/4	208,177	3/4	194,189	3/4	179,392	3/4	164,163	3/4	148,932	3/4	133,701	3/4	118,469	3/4	103,235	3/4	87,999
11	11	11	207,894	11	193,889	11	179,075	11	163,846	11	148,614	11	133,383	11	118,152	11	102,918	11	87,681
1/4		1/4	207,611	1/4	193,589	1/4	178,759	1/4	163,528	1/4	148,297	1/4	133,066	1/4	117,835	1/4	102,601	1/4	87,364
1/2		1/2	207,326	1/2	193,287	1/2	178,442	1/2	163,211	1/2	147,980	1/2	132,749	1/2	117,517	1/2	102,283	1/2	87,046
3/4		3/4	207,042	3/4	192,986	3/4	178,125	3/4	162,894	3/4	147,663	3/4	132,431	3/4	117,200	3/4	101,966	3/4	86,729

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'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CBC 398"

1 STBD 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	86,411	0	71,175	0	55,938	0	40,785	0	25,565	0	10,328	0		0		0		0	
1/4	86,094	1/4	70,857	1/4	55,620	1/4	40,469	1/4	25,247	1/4	10,011	1/4		1/4		1/4		1/4	
1/2	85,777	1/2	70,540	1/2	55,303	1/2	40,154	1/2	24,930	1/2	9,693	1/2		1/2		1/2		1/2	
3/4	85,459	3/4	70,222	3/4	54,985	3/4	39,839	3/4	24,612	3/4	9,376	3/4		3/4		3/4		3/4	
1	85,142	1	69,905	1	54,668	1	39,523	1	24,295	1	9,059	1		1		1		1	
1/4	84,824	1/4	69,587	1/4	54,350	1/4	39,208	1/4	23,977	1/4	8,741	1/4		1/4		1/4		1/4	
1/2	84,507	1/2	69,270	1/2	54,033	1/2	38,892	1/2	23,660	1/2	8,423	1/2		1/2		1/2		1/2	
3/4	84,189	3/4	68,952	3/4	53,716	3/4	38,576	3/4	23,343	3/4	8,105	3/4		3/4		3/4		3/4	
2	83,872	2	68,635	2	53,399	2	38,260	2	23,025	2	7,787	2		2		2		2	
1/4	83,554	1/4	68,318	1/4	53,082	1/4	37,944	1/4	22,708	1/4	7,472	1/4		1/4		1/4		1/4	
1/2	83,237	1/2	68,000	1/2	52,766	1/2	37,627	1/2	22,390	1/2	7,154	1/2		1/2		1/2		1/2	
3/4	82,920	3/4	67,683	3/4	52,450	3/4	37,309	3/4	22,073	3/4	6,837	3/4		3/4		3/4		3/4	
3	82,602	3	67,365	3	52,134	3	36,992	3	21,756	3	6,519	3		3		3		3	
1/4	82,285	1/4	67,048	1/4	51,819	1/4	36,674	1/4	21,438	1/4	6,202	1/4		1/4		1/4		1/4	
1/2	81,967	1/2	66,730	1/2	51,503	1/2	36,357	1/2	21,121	1/2	5,884	1/2		1/2		1/2		1/2	
3/4	81,650	3/4	66,413	3/4	51,188	3/4	36,040	3/4	20,803	3/4	5,567	3/4		3/4		3/4		3/4	
4	81,332	4	66,096	4	50,873	4	35,722	4	20,486	4	5,250	4		4		4		4	
1/4	81,015	1/4	65,778	1/4	50,558	1/4	35,405	1/4	20,168	1/4	4,932	1/4		1/4		1/4		1/4	
1/2	80,698	1/2	65,461	1/2	50,242	1/2	35,087	1/2	19,851	1/2	4,618	1/2		1/2		1/2		1/2	
3/4	80,380	3/4	65,143	3/4	49,927	3/4	34,770	3/4	19,534	3/4	4,304	3/4		3/4		3/4		3/4	
5	80,063	5	64,826	5	49,612	5	34,452	5	19,216	5	3,990	5		5		5		5	
1/4	79,745	1/4	64,508	1/4	49,297	1/4	34,135	1/4	18,899	1/4	3,676	1/4		1/4		1/4		1/4	
1/2	79,428	1/2	64,191	1/2	48,981	1/2	33,818	1/2	18,582	1/2	3,391	1/2		1/2		1/2		1/2	
3/4	79,110	3/4	63,873	3/4	48,666	3/4	33,500	3/4	18,265	3/4	3,107	3/4		3/4		3/4		3/4	
6	78,793	6	63,556	6	48,351	6	33,183	6	17,949	6	2,823	6		6		6		6	
1/4	78,476	1/4	63,239	1/4	48,035	1/4	32,865	1/4	17,629	1/4	2,538	1/4		1/4		1/4		1/4	
1/2	78,158	1/2	62,921	1/2	47,720	1/2	32,548	1/2	17,312	1/2	2,307	1/2		1/2		1/2		1/2	
3/4	77,841	3/4	62,604	3/4	47,405	3/4	32,230	3/4	16,994	3/4	2,075	3/4		3/4		3/4		3/4	
7	77,523	7	62,286	7	47,090	7	31,913	7	16,677	7	1,844	7		7		7		7	
1/4	77,206	1/4	61,969	1/4	46,774	1/4	31,596	1/4	16,359	1/4	1,613	1/4		1/4		1/4		1/4	
1/2	76,888	1/2	61,651	1/2	46,459	1/2	31,278	1/2	16,042	1/2	1,434	1/2		1/2		1/2		1/2	
3/4	76,571	3/4	61,334	3/4	46,144	3/4	30,961	3/4	15,724	3/4	1,255	3/4		3/4		3/4		3/4	
8	76,253	8	61,017	8	45,829	8	30,643	8	15,407	8	1,077	8		8		8		8	
1/4	75,936	1/4	60,699	1/4	45,513	1/4	30,326	1/4	15,090	1/4	899	1/4		1/4		1/4		1/4	
1/2	75,619	1/2	60,382	1/2	45,198	1/2	30,009	1/2	14,772	1/2		1/2		1/2		1/2		1/2	
3/4	75,301	3/4	60,064	3/4	44,883	3/4	29,691	3/4	14,455	3/4		3/4		3/4		3/4		3/4	
9	74,984	9	59,747	9	44,568	9	29,374	9	14,137	9		9		9		9		9	
1/4	74,666	1/4	59,429	1/4	44,252	1/4	29,056	1/4	13,820	1/4		1/4		1/4		1/4		1/4	
1/2	74,349	1/2	59,112	1/2	43,937	1/2	28,739	1/2	13,503	1/2		1/2		1/2		1/2		1/2	
3/4	74,031	3/4	58,795	3/4	43,622	3/4	28,421	3/4	13,185	3/4		3/4		3/4		3/4		3/4	
10	73,714	10	58,477	10	43,307	10	28,104	10	12,868	10		10		10		10		10	
1/4	73,397	1/4	58,160	1/4	42,991	1/4	27,787	1/4	12,550	1/4		1/4		1/4		1/4		1/4	
1/2	73,079	1/2	57,842	1/2	42,676	1/2	27,469	1/2	12,233	1/2		1/2		1/2		1/2		1/2	
3/4	72,762	3/4	57,525	3/4	42,361	3/4	27,152	3/4	11,915	3/4		3/4		3/4		3/4		3/4	
11	72,444	11	57,207	11	42,046	11	26,834	11	11,598	11		11		11		11		11	
1/4	72,127	1/4	56,890	1/4	41,730	1/4	26,517	1/4	11,281	1/4		1/4		1/4		1/4		1/4	
1/2	71,809	1/2	56,572	1/2	41,415	1/2	26,199	1/2	10,963	1/2		1/2		1/2		1/2		1/2	
3/4	71,492	3/4	56,255	3/4	41,100	3/4	25,882	3/4	10,646	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/21/2015 CL
CALCULATED: 09/21/2015 CL
PRINTED: 09/21/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2015

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



BARGE "CBC 398"

1 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	0	0	207,122	0	193,066	0	178,204	0	162,973	0	147,742	0	132,511	0	117,280	0	102,045
1/4		1/4		1/4	206,838	1/4	192,764	1/4	177,887	1/4	162,656	1/4	147,425	1/4	132,194	1/4	116,962	1/4	101,728
1/2		1/2	220,535	1/2	206,553	1/2	192,463	1/2	177,570	1/2	162,339	1/2	147,107	1/2	131,876	1/2	116,645	1/2	101,410
3/4		3/4	220,319	3/4	206,267	3/4	192,160	3/4	177,253	3/4	162,021	3/4	146,790	3/4	131,559	3/4	116,328	3/4	101,093
1	1	1	220,104	1	205,982	1	191,857	1	176,935	1	161,704	1	146,473	1	131,242	1	116,010	1	100,776
1/4		1/4	219,889	1/4	205,696	1/4	191,554	1/4	176,618	1/4	161,387	1/4	146,156	1/4	130,924	1/4	115,693	1/4	100,458
1/2		1/2	219,674	1/2	205,410	1/2	191,251	1/2	176,301	1/2	161,069	1/2	145,838	1/2	130,607	1/2	115,376	1/2	100,141
3/4		3/4	219,408	3/4	205,123	3/4	190,946	3/4	175,983	3/4	160,752	3/4	145,521	3/4	130,290	3/4	115,058	3/4	99,823
2	2	2	219,142	2	204,836	2	190,642	2	175,666	2	160,435	2	145,204	2	129,972	2	114,741	2	99,506
1/4		1/4	218,876	1/4	204,549	1/4	190,338	1/4	175,349	1/4	160,117	1/4	144,886	1/4	129,655	1/4	114,424	1/4	99,188
1/2		1/2	218,610	1/2	204,262	1/2	190,033	1/2	175,031	1/2	159,800	1/2	144,569	1/2	129,338	1/2	114,106	1/2	98,871
3/4		3/4	218,303	3/4	203,974	3/4	189,728	3/4	174,714	3/4	159,483	3/4	144,252	3/4	129,020	3/4	113,789	3/4	98,553
3	3	3	217,995	3	203,686	3	189,422	3	174,397	3	159,166	3	143,934	3	128,703	3	113,472	3	98,236
1/4		1/4	217,688	1/4	203,397	1/4	189,116	1/4	174,079	1/4	158,848	1/4	143,617	1/4	128,386	1/4	113,155	1/4	97,919
1/2		1/2	217,380	1/2	203,109	1/2	188,811	1/2	173,762	1/2	158,531	1/2	143,300	1/2	128,068	1/2	112,837	1/2	97,601
3/4		3/4	217,067	3/4	202,820	3/4	188,504	3/4	173,445	3/4	158,214	3/4	142,982	3/4	127,751	3/4	112,520	3/4	97,284
4	4	4	216,754	4	202,530	4	188,197	4	173,128	4	157,896	4	142,665	4	127,434	4	112,203	4	96,966
1/4		1/4	216,441	1/4	202,240	1/4	187,890	1/4	172,810	1/4	157,579	1/4	142,348	1/4	127,116	1/4	111,885	1/4	96,649
1/2		1/2	216,128	1/2	201,950	1/2	187,583	1/2	172,493	1/2	157,262	1/2	142,030	1/2	126,799	1/2	111,568	1/2	96,331
3/4		3/4	215,814	3/4	201,659	3/4	187,275	3/4	172,176	3/4	156,944	3/4	141,713	3/4	126,482	3/4	111,251	3/4	96,014
5	5	5	215,501	5	201,368	5	186,967	5	171,858	5	156,627	5	141,396	5	126,165	5	110,933	5	95,697
1/4		1/4	215,188	1/4	201,077	1/4	186,658	1/4	171,541	1/4	156,310	1/4	141,078	1/4	125,847	1/4	110,616	1/4	95,379
1/2		1/2	214,875	1/2	200,786	1/2	186,350	1/2	171,224	1/2	155,992	1/2	140,761	1/2	125,530	1/2	110,299	1/2	95,062
3/4		3/4	214,562	3/4	200,494	3/4	186,040	3/4	170,906	3/4	155,675	3/4	140,444	3/4	125,213	3/4	109,981	3/4	94,744
6	6	6	214,249	6	200,201	6	185,731	6	170,589	6	155,358	6	140,126	6	124,895	6	109,664	6	94,427
1/4		1/4	213,935	1/4	199,909	1/4	185,421	1/4	170,272	1/4	155,040	1/4	139,809	1/4	124,578	1/4	109,346	1/4	94,109
1/2		1/2	213,622	1/2	199,617	1/2	185,111	1/2	169,954	1/2	154,723	1/2	139,492	1/2	124,261	1/2	109,029	1/2	93,792
3/4		3/4	213,309	3/4	199,323	3/4	184,800	3/4	169,637	3/4	154,406	3/4	139,175	3/4	123,943	3/4	108,711	3/4	93,475
7	7	7	212,996	7	199,029	7	184,489	7	169,320	7	154,088	7	138,857	7	123,626	7	108,394	7	93,157
1/4		1/4	212,683	1/4	198,735	1/4	184,178	1/4	169,002	1/4	153,771	1/4	138,540	1/4	123,309	1/4	108,077	1/4	92,840
1/2		1/2	212,369	1/2	198,441	1/2	183,867	1/2	168,685	1/2	153,454	1/2	138,223	1/2	122,991	1/2	107,759	1/2	92,522
3/4		3/4	212,058	3/4	198,145	3/4	183,555	3/4	168,368	3/4	153,137	3/4	137,905	3/4	122,674	3/4	107,442	3/4	92,205
8	8	8	211,747	8	197,849	8	183,243	8	168,050	8	152,819	8	137,588	8	122,357	8	107,124	8	91,887
1/4		1/4	211,436	1/4	197,552	1/4	182,930	1/4	167,733	1/4	152,502	1/4	137,271	1/4	122,039	1/4	106,807	1/4	91,570
1/2		1/2	211,125	1/2	197,256	1/2	182,618	1/2	167,416	1/2	152,185	1/2	136,953	1/2	121,722	1/2	106,489	1/2	91,252
3/4		3/4	210,832	3/4	196,958	3/4	182,304	3/4	167,098	3/4	151,867	3/4	136,636	3/4	121,405	3/4	106,172	3/4	90,935
9	9	9	210,538	9	196,661	9	181,991	9	166,781	9	151,550	9	136,319	9	121,087	9	105,854	9	90,618
1/4		1/4	210,244	1/4	196,363	1/4	181,677	1/4	166,464	1/4	151,233	1/4	136,001	1/4	120,770	1/4	105,537	1/4	90,300
1/2		1/2	209,950	1/2	196,065	1/2	181,364	1/2	166,147	1/2	150,915	1/2	135,684	1/2	120,453	1/2	105,220	1/2	89,983
3/4		3/4	209,669	3/4	195,766	3/4	181,049	3/4	165,829	3/4	150,598	3/4	135,367	3/4	120,135	3/4	104,902	3/4	89,665
10	10	10	209,387	10	195,467	10	180,734	10	165,512	10	150,281	10	135,049	10	119,818	10	104,585	10	89,348
1/4		1/4	209,105	1/4	195,168	1/4	180,419	1/4	165,195	1/4	149,963	1/4	134,732	1/4	119,501	1/4	104,267	1/4	89,030
1/2		1/2	208,823	1/2	194,870	1/2	180,104	1/2	164,877	1/2	149,646	1/2	134,415	1/2	119,184	1/2	103,950	1/2	88,713
3/4		3/4	208,540	3/4	194,569	3/4	179,788	3/4	164,560	3/4	149,329	3/4	134,097	3/4	118,866	3/4	103,632	3/4	88,396
11	11	11	208,257	11	194,269	11	179,471	11	164,243	11	149,011	11	133,780	11	118,549	11	103,315	11	88,078
1/4		1/4	207,974	1/4	193,969	1/4	179,155	1/4	163,925	1/4	148,694	1/4	133,463	1/4	118,232	1/4	102,998	1/4	87,761
1/2		1/2	207,691	1/2	193,669	1/2	178,839	1/2	163,608	1/2	148,377	1/2	133,146	1/2	117,914	1/2	102,680	1/2	87,443
3/4		3/4	207,406	3/4	193,367	3/4	178,521	3/4	163,291	3/4	148,059	3/4	132,828	3/4	117,597	3/4	102,363	3/4	87,126

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'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CBC 398"

1 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	86,808	0	71,572	0	56,335	0	41,116	0	25,882	0	10,646	0		0		0		0	
1/4	86,491	1/4	71,254	1/4	56,017	1/4	40,799	1/4	25,565	1/4	10,328	1/4		1/4		1/4		1/4	
1/2	86,174	1/2	70,937	1/2	55,700	1/2	40,482	1/2	25,247	1/2	10,011	1/2		1/2		1/2		1/2	
3/4	85,856	3/4	70,619	3/4	55,382	3/4	40,165	3/4	24,930	3/4	9,693	3/4		3/4		3/4		3/4	
1	85,539	1	70,302	1	55,065	1	39,848	1	24,612	1	9,376	1		1		1		1	
1/4	85,221	1/4	69,984	1/4	54,747	1/4	39,531	1/4	24,295	1/4	9,059	1/4		1/4		1/4		1/4	
1/2	84,904	1/2	69,667	1/2	54,430	1/2	39,214	1/2	23,977	1/2	8,741	1/2		1/2		1/2		1/2	
3/4	84,586	3/4	69,349	3/4	54,113	3/4	38,896	3/4	23,660	3/4	8,423	3/4		3/4		3/4		3/4	
2	84,269	2	69,032	2	53,795	2	38,579	2	23,343	2	8,105	2		2		2		2	
1/4	83,951	1/4	68,715	1/4	53,478	1/4	38,261	1/4	23,025	1/4	7,787	1/4		1/4		1/4		1/4	
1/2	83,634	1/2	68,397	1/2	53,160	1/2	37,944	1/2	22,708	1/2	7,472	1/2		1/2		1/2		1/2	
3/4	83,317	3/4	68,080	3/4	52,843	3/4	37,627	3/4	22,390	3/4	7,154	3/4		3/4		3/4		3/4	
3	82,999	3	67,762	3	52,526	3	37,309	3	22,073	3	6,837	3		3		3		3	
1/4	82,682	1/4	67,445	1/4	52,208	1/4	36,992	1/4	21,756	1/4	6,519	1/4		1/4		1/4		1/4	
1/2	82,364	1/2	67,127	1/2	51,891	1/2	36,674	1/2	21,438	1/2	6,202	1/2		1/2		1/2		1/2	
3/4	82,047	3/4	66,810	3/4	51,574	3/4	36,357	3/4	21,121	3/4	5,884	3/4		3/4		3/4		3/4	
4	81,729	4	66,493	4	51,257	4	36,040	4	20,803	4	5,567	4		4		4		4	
1/4	81,412	1/4	66,175	1/4	50,940	1/4	35,722	1/4	20,486	1/4	5,250	1/4		1/4		1/4		1/4	
1/2	81,095	1/2	65,858	1/2	50,623	1/2	35,405	1/2	20,168	1/2	4,932	1/2		1/2		1/2		1/2	
3/4	80,777	3/4	65,540	3/4	50,306	3/4	35,087	3/4	19,851	3/4	4,618	3/4		3/4		3/4		3/4	
5	80,460	5	65,223	5	49,989	5	34,770	5	19,534	5	4,304	5		5		5		5	
1/4	80,142	1/4	64,905	1/4	49,672	1/4	34,452	1/4	19,216	1/4	3,990	1/4		1/4		1/4		1/4	
1/2	79,825	1/2	64,588	1/2	49,355	1/2	34,135	1/2	18,899	1/2	3,676	1/2		1/2		1/2		1/2	
3/4	79,507	3/4	64,271	3/4	49,038	3/4	33,818	3/4	18,582	3/4	3,391	3/4		3/4		3/4		3/4	
6	79,190	6	63,953	6	48,722	6	33,500	6	18,265	6	3,107	6		6		6		6	
1/4	78,873	1/4	63,636	1/4	48,405	1/4	33,183	1/4	17,949	1/4	2,823	1/4		1/4		1/4		1/4	
1/2	78,555	1/2	63,318	1/2	48,088	1/2	32,865	1/2	17,629	1/2	2,538	1/2		1/2		1/2		1/2	
3/4	78,238	3/4	63,001	3/4	47,771	3/4	32,548	3/4	17,312	3/4	2,307	3/4		3/4		3/4		3/4	
7	77,920	7	62,683	7	47,454	7	32,230	7	16,994	7	2,075	7		7		7		7	
1/4	77,603	1/4	62,366	1/4	47,137	1/4	31,913	1/4	16,677	1/4	1,844	1/4		1/4		1/4		1/4	
1/2	77,285	1/2	62,048	1/2	46,820	1/2	31,596	1/2	16,359	1/2	1,613	1/2		1/2		1/2		1/2	
3/4	76,968	3/4	61,731	3/4	46,503	3/4	31,278	3/4	16,042	3/4	1,434	3/4		3/4		3/4		3/4	
8	76,650	8	61,414	8	46,186	8	30,961	8	15,724	8	1,255	8		8		8		8	
1/4	76,333	1/4	61,096	1/4	45,869	1/4	30,643	1/4	15,407	1/4	1,077	1/4		1/4		1/4		1/4	
1/2	76,016	1/2	60,779	1/2	45,552	1/2	30,326	1/2	15,090	1/2	899	1/2		1/2		1/2		1/2	
3/4	75,698	3/4	60,461	3/4	45,235	3/4	30,009	3/4	14,772	3/4		3/4		3/4		3/4		3/4	
9	75,381	9	60,144	9	44,919	9	29,691	9	14,455	9		9		9		9		9	
1/4	75,063	1/4	59,826	1/4	44,602	1/4	29,374	1/4	14,137	1/4		1/4		1/4		1/4		1/4	
1/2	74,746	1/2	59,509	1/2	44,285	1/2	29,056	1/2	13,820	1/2		1/2		1/2		1/2		1/2	
3/4	74,428	3/4	59,192	3/4	43,968	3/4	28,739	3/4	13,503	3/4		3/4		3/4		3/4		3/4	
10	74,111	10	58,874	10	43,651	10	28,421	10	13,185	10		10		10		10		10	
1/4	73,794	1/4	58,557	1/4	43,334	1/4	28,104	1/4	12,868	1/4		1/4		1/4		1/4		1/4	
1/2	73,476	1/2	58,239	1/2	43,017	1/2	27,787	1/2	12,550	1/2		1/2		1/2		1/2		1/2	
3/4	73,159	3/4	57,922	3/4	42,700	3/4	27,469	3/4	12,233	3/4		3/4		3/4		3/4		3/4	
11	72,841	11	57,604	11	42,383	11	27,152	11	11,915	11		11		11		11		11	
1/4	72,524	1/4	57,287	1/4	42,066	1/4	26,834	1/4	11,598	1/4		1/4		1/4		1/4		1/4	
1/2	72,206	1/2	56,970	1/2	41,749	1/2	26,517	1/2	11,281	1/2		1/2		1/2		1/2		1/2	
3/4	71,889	3/4	56,652	3/4	41,432	3/4	26,199	3/4	10,963	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/21/2015 CL
CALCULATED: 09/21/2015 CL
PRINTED: 09/21/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2015

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