



BARGE "CBC 318"

INNAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 258'-06"

December 11, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 318"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	616	0	15,606	0	31,365	0	47,032	0	62,776	0	78,535	0	94,294	0	110,052	0	125,811	0	141,569
1/4	811	1/4	15,935	1/4	31,693	1/4	47,358	1/4	63,104	1/4	78,863	1/4	94,622	1/4	110,381	1/4	126,140	1/4	141,897
1/2	1,006	1/2	16,263	1/2	32,021	1/2	47,684	1/2	63,433	1/2	79,191	1/2	94,950	1/2	110,709	1/2	126,468	1/2	142,225
3/4	1,200	3/4	16,591	3/4	32,350	3/4	48,009	3/4	63,761	3/4	79,520	3/4	95,279	3/4	111,037	3/4	126,796	3/4	142,553
1	1,395	1	16,920	1	32,678	1	48,335	1	64,089	1	79,848	1	95,607	1	111,366	1	127,125	1	142,882
1/4	1,672	1/4	17,248	1/4	33,006	1/4	48,662	1/4	64,417	1/4	80,176	1/4	95,935	1/4	111,694	1/4	127,453	1/4	143,210
1/2	1,949	1/2	17,576	1/2	33,335	1/2	48,990	1/2	64,746	1/2	80,505	1/2	96,263	1/2	112,022	1/2	127,781	1/2	143,538
3/4	2,226	3/4	17,904	3/4	33,663	3/4	49,318	3/4	65,074	3/4	80,833	3/4	96,592	3/4	112,351	3/4	128,109	3/4	143,866
2	2,503	2	18,233	2	33,991	2	49,645	2	65,402	2	81,161	2	96,920	2	112,679	2	128,438	2	144,194
1/4	2,825	1/4	18,561	1/4	34,319	1/4	49,973	1/4	65,731	1/4	81,490	1/4	97,248	1/4	113,007	1/4	128,766	1/4	144,523
1/2	3,147	1/2	18,889	1/2	34,648	1/2	50,301	1/2	66,059	1/2	81,818	1/2	97,577	1/2	113,336	1/2	129,094	1/2	144,851
3/4	3,469	3/4	19,218	3/4	34,976	3/4	50,629	3/4	66,387	3/4	82,146	3/4	97,905	3/4	113,664	3/4	129,423	3/4	145,179
3	3,790	3	19,546	3	35,304	3	50,957	3	66,716	3	82,474	3	98,233	3	113,992	3	129,751	3	145,507
1/4	4,118	1/4	19,874	1/4	35,631	1/4	51,285	1/4	67,044	1/4	82,803	1/4	98,562	1/4	114,320	1/4	130,079	1/4	145,836
1/2	4,446	1/2	20,203	1/2	35,957	1/2	51,613	1/2	67,372	1/2	83,131	1/2	98,890	1/2	114,649	1/2	130,408	1/2	146,164
3/4	4,773	3/4	20,531	3/4	36,284	3/4	51,942	3/4	67,701	3/4	83,459	3/4	99,218	3/4	114,977	3/4	130,736	3/4	146,492
4	5,101	4	20,859	4	36,611	4	52,270	4	68,029	4	83,788	4	99,547	4	115,305	4	131,064	4	146,820
1/4	5,429	1/4	21,187	1/4	36,937	1/4	52,598	1/4	68,357	1/4	84,116	1/4	99,875	1/4	115,634	1/4	131,393	1/4	147,149
1/2	5,758	1/2	21,516	1/2	37,263	1/2	52,927	1/2	68,685	1/2	84,444	1/2	100,203	1/2	115,962	1/2	131,721	1/2	147,477
3/4	6,086	3/4	21,844	3/4	37,589	3/4	53,255	3/4	69,014	3/4	84,773	3/4	100,531	3/4	116,290	3/4	132,049	3/4	147,805
5	6,414	5	22,172	5	37,916	5	53,583	5	69,342	5	85,101	5	100,860	5	116,619	5	132,377	5	148,133
1/4	6,742	1/4	22,501	1/4	38,241	1/4	53,912	1/4	69,670	1/4	85,429	1/4	101,188	1/4	116,947	1/4	132,706	1/4	148,461
1/2	7,071	1/2	22,829	1/2	38,567	1/2	54,240	1/2	69,999	1/2	85,758	1/2	101,516	1/2	117,275	1/2	133,034	1/2	148,790
3/4	7,399	3/4	23,157	3/4	38,893	3/4	54,568	3/4	70,327	3/4	86,086	3/4	101,845	3/4	117,604	3/4	133,362	3/4	149,118
6	7,727	6	23,486	6	39,218	6	54,896	6	70,655	6	86,414	6	102,173	6	117,932	6	133,691	6	149,446
1/4	8,055	1/4	23,814	1/4	39,544	1/4	55,225	1/4	70,984	1/4	86,742	1/4	102,501	1/4	118,260	1/4	134,019	1/4	149,774
1/2	8,384	1/2	24,142	1/2	39,870	1/2	55,553	1/2	71,312	1/2	87,071	1/2	102,830	1/2	118,588	1/2	134,347	1/2	150,103
3/4	8,712	3/4	24,470	3/4	40,195	3/4	55,881	3/4	71,640	3/4	87,399	3/4	103,158	3/4	118,917	3/4	134,676	3/4	150,431
7	9,040	7	24,799	7	40,521	7	56,210	7	71,969	7	87,727	7	103,486	7	119,245	7	135,004	7	150,759
1/4	9,369	1/4	25,127	1/4	40,846	1/4	56,538	1/4	72,297	1/4	88,056	1/4	103,815	1/4	119,573	1/4	135,332	1/4	151,087
1/2	9,697	1/2	25,455	1/2	41,172	1/2	56,866	1/2	72,625	1/2	88,384	1/2	104,143	1/2	119,902	1/2	135,660	1/2	151,416
3/4	10,025	3/4	25,784	3/4	41,498	3/4	57,195	3/4	72,953	3/4	88,712	3/4	104,471	3/4	120,230	3/4	135,989	3/4	151,744
8	10,354	8	26,112	8	41,823	8	57,523	8	73,282	8	89,041	8	104,799	8	120,558	8	136,317	8	152,072
1/4	10,682	1/4	26,440	1/4	42,149	1/4	57,851	1/4	73,610	1/4	89,369	1/4	105,128	1/4	120,887	1/4	136,645	1/4	152,400
1/2	11,010	1/2	26,769	1/2	42,474	1/2	58,180	1/2	73,938	1/2	89,697	1/2	105,456	1/2	121,215	1/2	136,973	1/2	152,729
3/4	11,338	3/4	27,097	3/4	42,800	3/4	58,508	3/4	74,267	3/4	90,026	3/4	105,784	3/4	121,543	3/4	137,302	3/4	153,057
9	11,667	9	27,425	9	43,125	9	58,836	9	74,595	9	90,354	9	106,113	9	121,872	9	137,630	9	153,385
1/4	11,995	1/4	27,753	1/4	43,451	1/4	59,164	1/4	74,923	1/4	90,682	1/4	106,441	1/4	122,200	1/4	137,958	1/4	153,713
1/2	12,323	1/2	28,082	1/2	43,777	1/2	59,493	1/2	75,252	1/2	91,010	1/2	106,769	1/2	122,528	1/2	138,286	1/2	154,041
3/4	12,652	3/4	28,410	3/4	44,102	3/4	59,821	3/4	75,580	3/4	91,339	3/4	107,098	3/4	122,857	3/4	138,615	3/4	154,370
10	12,980	10	28,738	10	44,428	10	60,149	10	75,908	10	91,667	10	107,426	10	123,185	10	138,943	10	154,698
1/4	13,308	1/4	29,067	1/4	44,753	1/4	60,478	1/4	76,237	1/4	91,995	1/4	107,754	1/4	123,513	1/4	139,271	1/4	155,026
1/2	13,637	1/2	29,395	1/2	45,079	1/2	60,806	1/2	76,565	1/2	92,324	1/2	108,083	1/2	123,841	1/2	139,599	1/2	155,354
3/4	13,965	3/4	29,723	3/4	45,404	3/4	61,134	3/4	76,893	3/4	92,652	3/4	108,411	3/4	124,170	3/4	139,927	3/4	155,683
11	14,293	11	30,052	11	45,730	11	61,463	11	77,222	11	92,980	11	108,739	11	124,498	11	140,256	11	156,011
1/4	14,621	1/4	30,380	1/4	46,056	1/4	61,791	1/4	77,550	1/4	93,309	1/4	109,068	1/4	124,826	1/4	140,584	1/4	156,339
1/2	14,950	1/2	30,708	1/2	46,381	1/2	62,119	1/2	77,878	1/2	93,637	1/2	109,396	1/2	125,155	1/2	140,912	1/2	156,667
3/4	15,278	3/4	31,036	3/4	46,707	3/4	62,448	3/4	78,206	3/4	93,965	3/4	109,724	3/4	125,483	3/4	141,240	3/4	156,996

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 318"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	157,138	0	172,874	0	188,539	0	204,188	0	219,749	0		0		0		0		0	
1/4	157,466	1/4	173,202	1/4	188,865	1/4	204,514	1/4	220,063	1/4		1/4		1/4		1/4		1/4	
1/2	157,793	1/2	173,530	1/2	189,191	1/2	204,840	1/2	220,377	1/2		1/2		1/2		1/2		1/2	
3/4	158,121	3/4	173,858	3/4	189,517	3/4	205,166	3/4	220,691	3/4		3/4		3/4		3/4		3/4	
1	158,449	1	174,186	1	189,843	1	205,492	1	221,005	1		1		1		1		1	
1/4	158,777	1/4	174,513	1/4	190,169	1/4	205,818	1/4	221,279	1/4		1/4		1/4		1/4		1/4	
1/2	159,105	1/2	174,841	1/2	190,495	1/2	206,144	1/2	221,552	1/2		1/2		1/2		1/2		1/2	
3/4	159,433	3/4	175,169	3/4	190,821	3/4	206,470	3/4	221,826	3/4		3/4		3/4		3/4		3/4	
2	159,760	2	175,497	2	191,147	2	206,796	2	222,100	2		2		2		2		2	
1/4	160,088	1/4	175,823	1/4	191,473	1/4	207,122	1/4	222,320	1/4		1/4		1/4		1/4		1/4	
1/2	160,416	1/2	176,149	1/2	191,799	1/2	207,448	1/2	222,540	1/2		1/2		1/2		1/2		1/2	
3/4	160,744	3/4	176,476	3/4	192,125	3/4	207,774	3/4	222,760	3/4		3/4		3/4		3/4		3/4	
3	161,072	3	176,802	3	192,451	3	208,100	3	222,980	3		3		3		3		3	
1/4	161,400	1/4	177,128	1/4	192,777	1/4	208,426	1/4	223,146	1/4		1/4		1/4		1/4		1/4	
1/2	161,728	1/2	177,454	1/2	193,103	1/2	208,752	1/2	223,311	1/2		1/2		1/2		1/2		1/2	
3/4	162,055	3/4	177,780	3/4	193,429	3/4	209,078	3/4		3/4		3/4		3/4		3/4		3/4	
4	162,383	4	178,106	4	193,755	4	209,404	4		4		4		4		4		4	
1/4	162,711	1/4	178,432	1/4	194,081	1/4	209,730	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,039	1/2	178,758	1/2	194,407	1/2	210,056	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,367	3/4	179,084	3/4	194,733	3/4	210,382	3/4		3/4		3/4		3/4		3/4		3/4	
5	163,695	5	179,410	5	195,059	5	210,708	5		5		5		5		5		5	
1/4	164,022	1/4	179,736	1/4	195,385	1/4	211,034	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,350	1/2	180,062	1/2	195,711	1/2	211,360	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,678	3/4	180,388	3/4	196,037	3/4	211,686	3/4		3/4		3/4		3/4		3/4		3/4	
6	165,006	6	180,714	6	196,363	6	212,012	6		6		6		6		6		6	
1/4	165,334	1/4	181,040	1/4	196,689	1/4	212,338	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,662	1/2	181,366	1/2	197,015	1/2	212,664	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,989	3/4	181,692	3/4	197,341	3/4	212,990	3/4		3/4		3/4		3/4		3/4		3/4	
7	166,317	7	182,018	7	197,667	7	213,316	7		7		7		7		7		7	
1/4	166,645	1/4	182,344	1/4	197,993	1/4	213,639	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,973	1/2	182,670	1/2	198,319	1/2	213,962	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	167,301	3/4	182,996	3/4	198,645	3/4	214,285	3/4		3/4		3/4		3/4		3/4		3/4	
8	167,629	8	183,322	8	198,971	8	214,608	8		8		8		8		8		8	
1/4	167,957	1/4	183,648	1/4	199,297	1/4	214,930	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	168,284	1/2	183,974	1/2	199,623	1/2	215,253	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	168,612	3/4	184,300	3/4	199,949	3/4	215,575	3/4		3/4		3/4		3/4		3/4		3/4	
9	168,940	9	184,626	9	200,275	9	215,897	9		9		9		9		9		9	
1/4	169,268	1/4	184,952	1/4	200,601	1/4	216,219	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	169,596	1/2	185,278	1/2	200,927	1/2	216,541	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	169,924	3/4	185,604	3/4	201,253	3/4	216,863	3/4		3/4		3/4		3/4		3/4		3/4	
10	170,251	10	185,931	10	201,580	10	217,185	10		10		10		10		10		10	
1/4	170,579	1/4	186,257	1/4	201,906	1/4	217,506	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	170,907	1/2	186,583	1/2	202,232	1/2	217,827	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	171,235	3/4	186,909	3/4	202,558	3/4	218,148	3/4		3/4		3/4		3/4		3/4		3/4	
11	171,563	11	187,235	11	202,884	11	218,469	11		11		11		11		11		11	
1/4	171,891	1/4	187,561	1/4	203,210	1/4	218,789	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	172,218	1/2	187,887	1/2	203,536	1/2	219,109	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	172,546	3/4	188,213	3/4	203,862	3/4	219,429	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/11/2013 CL
CALCULATED: 12/12/2013 CL
PRINTED: 12/16/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

PRECISION MEASUREMENT
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BARGE "CBC 318"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-05"

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	615	0	15,592	0	31,335	0	47,040	0	62,778	0	78,522	0	94,266	0	110,010	0	125,754	0	141,496
1/4	810	1/4	15,920	1/4	31,663	1/4	47,367	1/4	63,106	1/4	78,850	1/4	94,594	1/4	110,338	1/4	126,082	1/4	141,824
1/2	1,005	1/2	16,248	1/2	31,991	1/2	47,695	1/2	63,434	1/2	79,178	1/2	94,922	1/2	110,666	1/2	126,410	1/2	142,152
3/4	1,199	3/4	16,576	3/4	32,319	3/4	48,022	3/4	63,762	3/4	79,506	3/4	95,250	3/4	110,994	3/4	126,738	3/4	142,480
1	1,394	1	16,904	1	32,647	1	48,349	1	64,090	1	79,834	1	95,578	1	111,322	1	127,065	1	142,808
1/4	1,671	1/4	17,232	1/4	32,975	1/4	48,677	1/4	64,418	1/4	80,162	1/4	95,906	1/4	111,650	1/4	127,393	1/4	143,136
1/2	1,947	1/2	17,560	1/2	33,302	1/2	49,004	1/2	64,746	1/2	80,490	1/2	96,234	1/2	111,978	1/2	127,721	1/2	143,463
3/4	2,224	3/4	17,888	3/4	33,630	3/4	49,332	3/4	65,074	3/4	80,818	3/4	96,562	3/4	112,306	3/4	128,049	3/4	143,791
2	2,501	2	18,216	2	33,957	2	49,660	2	65,402	2	81,146	2	96,890	2	112,634	2	128,377	2	144,119
1/4	2,822	1/4	18,543	1/4	34,285	1/4	49,987	1/4	65,730	1/4	81,474	1/4	97,218	1/4	112,962	1/4	128,705	1/4	144,447
1/2	3,144	1/2	18,871	1/2	34,612	1/2	50,315	1/2	66,058	1/2	81,802	1/2	97,546	1/2	113,290	1/2	129,033	1/2	144,775
3/4	3,465	3/4	19,199	3/4	34,940	3/4	50,642	3/4	66,386	3/4	82,130	3/4	97,874	3/4	113,618	3/4	129,361	3/4	145,103
3	3,787	3	19,527	3	35,267	3	50,970	3	66,714	3	82,458	3	98,202	3	113,946	3	129,689	3	145,431
1/4	4,114	1/4	19,855	1/4	35,595	1/4	51,298	1/4	67,042	1/4	82,786	1/4	98,530	1/4	114,274	1/4	130,017	1/4	145,759
1/2	4,442	1/2	20,183	1/2	35,922	1/2	51,626	1/2	67,370	1/2	83,114	1/2	98,858	1/2	114,602	1/2	130,345	1/2	146,087
3/4	4,769	3/4	20,511	3/4	36,250	3/4	51,954	3/4	67,698	3/4	83,442	3/4	99,186	3/4	114,930	3/4	130,673	3/4	146,415
4	5,096	4	20,839	4	36,578	4	52,282	4	68,026	4	83,770	4	99,514	4	115,258	4	131,001	4	146,743
1/4	5,424	1/4	21,167	1/4	36,905	1/4	52,610	1/4	68,354	1/4	84,098	1/4	99,842	1/4	115,586	1/4	131,329	1/4	147,071
1/2	5,752	1/2	21,495	1/2	37,233	1/2	52,938	1/2	68,682	1/2	84,426	1/2	100,170	1/2	115,914	1/2	131,657	1/2	147,399
3/4	6,080	3/4	21,823	3/4	37,560	3/4	53,266	3/4	69,010	3/4	84,754	3/4	100,498	3/4	116,242	3/4	131,985	3/4	147,726
5	6,408	5	22,151	5	37,888	5	53,594	5	69,338	5	85,082	5	100,826	5	116,570	5	132,313	5	148,054
1/4	6,736	1/4	22,479	1/4	38,214	1/4	53,922	1/4	69,666	1/4	85,410	1/4	101,154	1/4	116,898	1/4	132,641	1/4	148,382
1/2	7,064	1/2	22,807	1/2	38,541	1/2	54,250	1/2	69,994	1/2	85,738	1/2	101,482	1/2	117,226	1/2	132,969	1/2	148,710
3/4	7,392	3/4	23,135	3/4	38,868	3/4	54,578	3/4	70,322	3/4	86,066	3/4	101,810	3/4	117,554	3/4	133,297	3/4	149,038
6	7,720	6	23,463	6	39,195	6	54,906	6	70,650	6	86,394	6	102,138	6	117,882	6	133,625	6	149,366
1/4	8,048	1/4	23,791	1/4	39,522	1/4	55,234	1/4	70,978	1/4	86,722	1/4	102,466	1/4	118,210	1/4	133,953	1/4	149,694
1/2	8,376	1/2	24,119	1/2	39,849	1/2	55,562	1/2	71,306	1/2	87,050	1/2	102,794	1/2	118,538	1/2	134,281	1/2	150,022
3/4	8,704	3/4	24,447	3/4	40,176	3/4	55,890	3/4	71,634	3/4	87,378	3/4	103,122	3/4	118,866	3/4	134,609	3/4	150,350
7	9,032	7	24,775	7	40,502	7	56,218	7	71,962	7	87,706	7	103,450	7	119,194	7	134,937	7	150,678
1/4	9,360	1/4	25,103	1/4	40,829	1/4	56,546	1/4	72,290	1/4	88,034	1/4	103,778	1/4	119,522	1/4	135,265	1/4	151,006
1/2	9,688	1/2	25,431	1/2	41,156	1/2	56,874	1/2	72,618	1/2	88,362	1/2	104,106	1/2	119,850	1/2	135,593	1/2	151,334
3/4	10,016	3/4	25,759	3/4	41,483	3/4	57,202	3/4	72,946	3/4	88,690	3/4	104,434	3/4	120,178	3/4	135,921	3/4	151,661
8	10,344	8	26,087	8	41,810	8	57,530	8	73,274	8	89,018	8	104,762	8	120,506	8	136,249	8	151,989
1/4	10,672	1/4	26,415	1/4	42,136	1/4	57,858	1/4	73,602	1/4	89,346	1/4	105,090	1/4	120,834	1/4	136,577	1/4	152,317
1/2	11,000	1/2	26,743	1/2	42,463	1/2	58,186	1/2	73,930	1/2	89,674	1/2	105,418	1/2	121,162	1/2	136,905	1/2	152,645
3/4	11,328	3/4	27,071	3/4	42,790	3/4	58,514	3/4	74,258	3/4	90,002	3/4	105,746	3/4	121,490	3/4	137,233	3/4	152,973
9	11,656	9	27,399	9	43,117	9	58,842	9	74,586	9	90,330	9	106,074	9	121,818	9	137,561	9	153,301
1/4	11,984	1/4	27,727	1/4	43,444	1/4	59,170	1/4	74,914	1/4	90,658	1/4	106,402	1/4	122,146	1/4	137,889	1/4	153,629
1/2	12,312	1/2	28,055	1/2	43,770	1/2	59,498	1/2	75,242	1/2	90,986	1/2	106,730	1/2	122,474	1/2	138,217	1/2	153,957
3/4	12,640	3/4	28,383	3/4	44,097	3/4	59,826	3/4	75,570	3/4	91,314	3/4	107,058	3/4	122,802	3/4	138,545	3/4	154,285
10	12,968	10	28,711	10	44,424	10	60,154	10	75,898	10	91,642	10	107,386	10	123,130	10	138,873	10	154,613
1/4	13,296	1/4	29,039	1/4	44,751	1/4	60,482	1/4	76,226	1/4	91,970	1/4	107,714	1/4	123,458	1/4	139,200	1/4	154,941
1/2	13,624	1/2	29,367	1/2	45,078	1/2	60,810	1/2	76,554	1/2	92,298	1/2	108,042	1/2	123,786	1/2	139,528	1/2	155,269
3/4	13,952	3/4	29,695	3/4	45,404	3/4	61,138	3/4	76,882	3/4	92,626	3/4	108,370	3/4	124,114	3/4	139,856	3/4	155,597
11	14,280	11	30,023	11	45,731	11	61,466	11	77,210	11	92,954	11	108,698	11	124,442	11	140,184	11	155,924
1/4	14,608	1/4	30,351	1/4	46,058	1/4	61,794	1/4	77,538	1/4	93,282	1/4	109,026	1/4	124,770	1/4	140,512	1/4	156,252
1/2	14,936	1/2	30,679	1/2	46,386	1/2	62,122	1/2	77,866	1/2	93,610	1/2	109,354	1/2	125,098	1/2	140,840	1/2	156,580
3/4	15,264	3/4	31,007	3/4	46,713	3/4	62,450	3/4	78,194	3/4	93,938	3/4	109,682	3/4	125,426	3/4	141,168	3/4	156,908

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 318"

1 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-05"

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	157,236	0	172,976	0	188,645	0	204,297	0	219,862	0		0		0		0		0	
1/4	157,564	1/4	173,304	1/4	188,971	1/4	204,623	1/4	220,176	1/4		1/4		1/4		1/4		1/4	
1/2	157,892	1/2	173,632	1/2	189,297	1/2	204,949	1/2	220,490	1/2		1/2		1/2		1/2		1/2	
3/4	158,220	3/4	173,960	3/4	189,623	3/4	205,276	3/4	220,805	3/4		3/4		3/4		3/4		3/4	
1	158,548	1	174,288	1	189,949	1	205,602	1	221,119	1		1		1		1		1	
1/4	158,876	1/4	174,616	1/4	190,275	1/4	205,928	1/4	221,392	1/4		1/4		1/4		1/4		1/4	
1/2	159,204	1/2	174,944	1/2	190,601	1/2	206,254	1/2	221,666	1/2		1/2		1/2		1/2		1/2	
3/4	159,532	3/4	175,272	3/4	190,927	3/4	206,580	3/4	221,940	3/4		3/4		3/4		3/4		3/4	
2	159,860	2	175,600	2	191,253	2	206,906	2	222,214	2		2		2		2		2	
1/4	160,187	1/4	175,926	1/4	191,579	1/4	207,232	1/4	222,434	1/4		1/4		1/4		1/4		1/4	
1/2	160,515	1/2	176,252	1/2	191,906	1/2	207,558	1/2	222,654	1/2		1/2		1/2		1/2		1/2	
3/4	160,843	3/4	176,579	3/4	192,232	3/4	207,884	3/4	222,874	3/4		3/4		3/4		3/4		3/4	
3	161,171	3	176,905	3	192,558	3	208,210	3	223,094	3		3		3		3		3	
1/4	161,499	1/4	177,231	1/4	192,884	1/4	208,537	1/4	223,260	1/4		1/4		1/4		1/4		1/4	
1/2	161,827	1/2	177,557	1/2	193,210	1/2	208,863	1/2	223,426	1/2		1/2		1/2		1/2		1/2	
3/4	162,155	3/4	177,883	3/4	193,536	3/4	209,189	3/4		3/4		3/4		3/4		3/4		3/4	
4	162,483	4	178,209	4	193,862	4	209,515	4		4		4		4		4		4	
1/4	162,811	1/4	178,536	1/4	194,188	1/4	209,841	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,139	1/2	178,862	1/2	194,514	1/2	210,167	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,467	3/4	179,188	3/4	194,840	3/4	210,493	3/4		3/4		3/4		3/4		3/4		3/4	
5	163,795	5	179,514	5	195,167	5	210,819	5		5		5		5		5		5	
1/4	164,122	1/4	179,840	1/4	195,493	1/4	211,145	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,450	1/2	180,166	1/2	195,819	1/2	211,471	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,778	3/4	180,492	3/4	196,145	3/4	211,798	3/4		3/4		3/4		3/4		3/4		3/4	
6	165,106	6	180,818	6	196,471	6	212,124	6		6		6		6		6		6	
1/4	165,434	1/4	181,144	1/4	196,797	1/4	212,450	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,762	1/2	181,470	1/2	197,123	1/2	212,776	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,090	3/4	181,796	3/4	197,449	3/4	213,102	3/4		3/4		3/4		3/4		3/4		3/4	
7	166,418	7	182,123	7	197,775	7	213,428	7		7		7		7		7		7	
1/4	166,746	1/4	182,449	1/4	198,101	1/4	213,751	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	167,074	1/2	182,775	1/2	198,427	1/2	214,074	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	167,402	3/4	183,101	3/4	198,754	3/4	214,397	3/4		3/4		3/4		3/4		3/4		3/4	
8	167,730	8	183,427	8	199,080	8	214,720	8		8		8		8		8		8	
1/4	168,058	1/4	183,753	1/4	199,406	1/4	215,042	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	168,385	1/2	184,079	1/2	199,732	1/2	215,365	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	168,713	3/4	184,405	3/4	200,058	3/4	215,687	3/4		3/4		3/4		3/4		3/4		3/4	
9	169,041	9	184,731	9	200,384	9	216,010	9		9		9		9		9		9	
1/4	169,369	1/4	185,057	1/4	200,710	1/4	216,332	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	169,697	1/2	185,384	1/2	201,036	1/2	216,654	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	170,025	3/4	185,710	3/4	201,362	3/4	216,975	3/4		3/4		3/4		3/4		3/4		3/4	
10	170,353	10	186,036	10	201,688	10	217,297	10		10		10		10		10		10	
1/4	170,681	1/4	186,362	1/4	202,015	1/4	217,619	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	171,009	1/2	186,688	1/2	202,341	1/2	217,940	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	171,337	3/4	187,014	3/4	202,667	3/4	218,261	3/4		3/4		3/4		3/4		3/4		3/4	
11	171,665	11	187,340	11	202,993	11	218,582	11		11		11		11		11		11	
1/4	171,993	1/4	187,666	1/4	203,319	1/4	218,902	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	172,321	1/2	187,992	1/2	203,645	1/2	219,222	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	172,648	3/4	188,318	3/4	203,971	3/4	219,542	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/11/2013 CL
CALCULATED: 12/12/2013 CL
PRINTED: 12/16/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 318"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	602	0	15,243	0	30,635	0	45,846	0	61,158	0	76,550	0	91,941	0	107,333	0	122,725	0	138,115
1/4	792	1/4	15,564	1/4	30,955	1/4	46,160	1/4	61,479	1/4	76,870	1/4	92,262	1/4	107,654	1/4	123,046	1/4	138,436
1/2	983	1/2	15,885	1/2	31,276	1/2	46,474	1/2	61,799	1/2	77,191	1/2	92,583	1/2	107,975	1/2	123,366	1/2	138,756
3/4	1,173	3/4	16,205	3/4	31,596	3/4	46,788	3/4	62,120	3/4	77,512	3/4	92,903	3/4	108,295	3/4	123,687	3/4	139,077
1	1,363	1	16,526	1	31,917	1	47,102	1	62,441	1	77,832	1	93,224	1	108,616	1	124,008	1	139,397
1/4	1,634	1/4	16,847	1/4	32,238	1/4	47,416	1/4	62,761	1/4	78,153	1/4	93,545	1/4	108,937	1/4	124,328	1/4	139,718
1/2	1,904	1/2	17,167	1/2	32,558	1/2	47,731	1/2	63,082	1/2	78,474	1/2	93,865	1/2	109,257	1/2	124,649	1/2	140,039
3/4	2,175	3/4	17,488	3/4	32,879	3/4	48,045	3/4	63,403	3/4	78,794	3/4	94,186	3/4	109,578	3/4	124,970	3/4	140,359
2	2,445	2	17,808	2	33,200	2	48,360	2	63,723	2	79,115	2	94,507	2	109,898	2	125,290	2	140,680
1/4	2,760	1/4	18,129	1/4	33,520	1/4	48,674	1/4	64,044	1/4	79,436	1/4	94,827	1/4	110,219	1/4	125,611	1/4	141,000
1/2	3,074	1/2	18,450	1/2	33,841	1/2	48,989	1/2	64,365	1/2	79,756	1/2	95,148	1/2	110,540	1/2	125,932	1/2	141,321
3/4	3,388	3/4	18,770	3/4	34,162	3/4	49,303	3/4	64,685	3/4	80,077	3/4	95,469	3/4	110,860	3/4	126,252	3/4	141,642
3	3,703	3	19,091	3	34,482	3	49,617	3	65,006	3	80,398	3	95,789	3	111,181	3	126,573	3	141,962
1/4	4,023	1/4	19,412	1/4	34,803	1/4	49,937	1/4	65,327	1/4	80,718	1/4	96,110	1/4	111,502	1/4	126,894	1/4	142,283
1/2	4,343	1/2	19,732	1/2	35,124	1/2	50,257	1/2	65,647	1/2	81,039	1/2	96,431	1/2	111,822	1/2	127,214	1/2	142,603
3/4	4,663	3/4	20,053	3/4	35,444	3/4	50,577	3/4	65,968	3/4	81,360	3/4	96,751	3/4	112,143	3/4	127,535	3/4	142,924
4	4,983	4	20,374	4	35,765	4	50,897	4	66,289	4	81,680	4	97,072	4	112,464	4	127,855	4	143,244
1/4	5,303	1/4	20,694	1/4	36,086	1/4	51,218	1/4	66,609	1/4	82,001	1/4	97,393	1/4	112,784	1/4	128,176	1/4	143,565
1/2	5,624	1/2	21,015	1/2	36,406	1/2	51,538	1/2	66,930	1/2	82,322	1/2	97,713	1/2	113,105	1/2	128,497	1/2	143,886
3/4	5,944	3/4	21,336	3/4	36,727	3/4	51,859	3/4	67,251	3/4	82,642	3/4	98,034	3/4	113,426	3/4	128,817	3/4	144,206
5	6,265	5	21,656	5	37,048	5	52,180	5	67,571	5	82,963	5	98,355	5	113,746	5	129,138	5	144,527
1/4	6,586	1/4	21,977	1/4	37,362	1/4	52,500	1/4	67,892	1/4	83,284	1/4	98,675	1/4	114,067	1/4	129,459	1/4	144,847
1/2	6,906	1/2	22,298	1/2	37,677	1/2	52,821	1/2	68,213	1/2	83,604	1/2	98,996	1/2	114,388	1/2	129,779	1/2	145,168
3/4	7,227	3/4	22,618	3/4	37,992	3/4	53,142	3/4	68,533	3/4	83,925	3/4	99,317	3/4	114,708	3/4	130,100	3/4	145,489
6	7,548	6	22,939	6	38,307	6	53,462	6	68,854	6	84,246	6	99,637	6	115,029	6	130,421	6	145,809
1/4	7,868	1/4	23,260	1/4	38,621	1/4	53,783	1/4	69,175	1/4	84,566	1/4	99,958	1/4	115,350	1/4	130,741	1/4	146,130
1/2	8,189	1/2	23,580	1/2	38,935	1/2	54,104	1/2	69,495	1/2	84,887	1/2	100,279	1/2	115,670	1/2	131,062	1/2	146,450
3/4	8,510	3/4	23,901	3/4	39,250	3/4	54,424	3/4	69,816	3/4	85,208	3/4	100,599	3/4	115,991	3/4	131,383	3/4	146,771
7	8,830	7	24,221	7	39,564	7	54,745	7	70,137	7	85,528	7	100,920	7	116,312	7	131,703	7	147,091
1/4	9,151	1/4	24,542	1/4	39,878	1/4	55,066	1/4	70,457	1/4	85,849	1/4	101,241	1/4	116,632	1/4	132,024	1/4	147,412
1/2	9,472	1/2	24,863	1/2	40,192	1/2	55,386	1/2	70,778	1/2	86,170	1/2	101,561	1/2	116,953	1/2	132,345	1/2	147,733
3/4	9,792	3/4	25,183	3/4	40,506	3/4	55,707	3/4	71,099	3/4	86,490	3/4	101,882	3/4	117,274	3/4	132,665	3/4	148,053
8	10,113	8	25,504	8	40,820	8	56,027	8	71,419	8	86,811	8	102,203	8	117,594	8	132,986	8	148,374
1/4	10,433	1/4	25,825	1/4	41,134	1/4	56,348	1/4	71,740	1/4	87,132	1/4	102,523	1/4	117,915	1/4	133,306	1/4	148,694
1/2	10,754	1/2	26,145	1/2	41,448	1/2	56,669	1/2	72,061	1/2	87,452	1/2	102,844	1/2	118,236	1/2	133,627	1/2	149,015
3/4	11,075	3/4	26,466	3/4	41,762	3/4	56,989	3/4	72,381	3/4	87,773	3/4	103,165	3/4	118,556	3/4	133,948	3/4	149,336
9	11,395	9	26,787	9	42,076	9	57,310	9	72,702	9	88,094	9	103,485	9	118,877	9	134,268	9	149,656
1/4	11,716	1/4	27,107	1/4	42,391	1/4	57,631	1/4	73,023	1/4	88,414	1/4	103,806	1/4	119,198	1/4	134,589	1/4	149,977
1/2	12,037	1/2	27,428	1/2	42,705	1/2	57,951	1/2	73,343	1/2	88,735	1/2	104,127	1/2	119,518	1/2	134,909	1/2	150,297
3/4	12,357	3/4	27,749	3/4	43,019	3/4	58,272	3/4	73,664	3/4	89,056	3/4	104,447	3/4	119,839	3/4	135,230	3/4	150,618
10	12,678	10	28,069	10	43,333	10	58,593	10	73,984	10	89,376	10	104,768	10	120,160	10	135,550	10	150,938
1/4	12,999	1/4	28,390	1/4	43,647	1/4	58,913	1/4	74,305	1/4	89,697	1/4	105,089	1/4	120,480	1/4	135,871	1/4	151,259
1/2	13,319	1/2	28,711	1/2	43,961	1/2	59,234	1/2	74,626	1/2	90,018	1/2	105,409	1/2	120,801	1/2	136,192	1/2	151,580
3/4	13,640	3/4	29,031	3/4	44,275	3/4	59,555	3/4	74,946	3/4	90,338	3/4	105,730	3/4	121,122	3/4	136,512	3/4	151,900
11	13,961	11	29,352	11	44,589	11	59,875	11	75,267	11	90,659	11	106,051	11	121,442	11	136,833	11	152,221
1/4	14,281	1/4	29,673	1/4	44,903	1/4	60,196	1/4	75,588	1/4	90,980	1/4	106,371	1/4	121,763	1/4	137,153	1/4	152,541
1/2	14,602	1/2	29,993	1/2	45,217	1/2	60,517	1/2	75,908	1/2	91,300	1/2	106,692	1/2	122,084	1/2	137,474	1/2	152,862
3/4	14,923	3/4	30,314	3/4	45,532	3/4	60,837	3/4	76,229	3/4	91,621	3/4	107,013	3/4	122,404	3/4	137,795	3/4	153,183

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 318"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	153,503	0	168,891	0	184,207	0	199,507	0	214,720	0		0		0		0		0	
1/4	153,824	1/4	169,212	1/4	184,526	1/4	199,826	1/4	215,027	1/4		1/4		1/4		1/4		1/4	
1/2	154,144	1/2	169,532	1/2	184,844	1/2	200,145	1/2	215,334	1/2		1/2		1/2		1/2		1/2	
3/4	154,465	3/4	169,853	3/4	185,163	3/4	200,464	3/4	215,641	3/4		3/4		3/4		3/4		3/4	
1	154,785	1	170,173	1	185,482	1	200,782	1	215,948	1		1		1		1		1	
1/4	155,106	1/4	170,494	1/4	185,801	1/4	201,101	1/4	216,216	1/4		1/4		1/4		1/4		1/4	
1/2	155,427	1/2	170,815	1/2	186,120	1/2	201,420	1/2	216,483	1/2		1/2		1/2		1/2		1/2	
3/4	155,747	3/4	171,135	3/4	186,438	3/4	201,739	3/4	216,751	3/4		3/4		3/4		3/4		3/4	
2	156,068	2	171,456	2	186,757	2	202,057	2	217,018	2		2		2		2		2	
1/4	156,388	1/4	171,775	1/4	187,076	1/4	202,376	1/4	217,233	1/4		1/4		1/4		1/4		1/4	
1/2	156,709	1/2	172,094	1/2	187,395	1/2	202,695	1/2	217,448	1/2		1/2		1/2		1/2		1/2	
3/4	157,030	3/4	172,413	3/4	187,713	3/4	203,014	3/4	217,664	3/4		3/4		3/4		3/4		3/4	
3	157,350	3	172,732	3	188,032	3	203,332	3	217,879	3		3		3		3		3	
1/4	157,671	1/4	173,050	1/4	188,351	1/4	203,651	1/4	218,041	1/4		1/4		1/4		1/4		1/4	
1/2	157,991	1/2	173,369	1/2	188,670	1/2	203,970	1/2	218,202	1/2		1/2		1/2		1/2		1/2	
3/4	158,312	3/4	173,688	3/4	188,988	3/4	204,289	3/4		3/4		3/4		3/4		3/4		3/4	
4	158,632	4	174,007	4	189,307	4	204,607	4		4		4		4		4		4	
1/4	158,953	1/4	174,325	1/4	189,626	1/4	204,926	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,274	1/2	174,644	1/2	189,945	1/2	205,245	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,594	3/4	174,963	3/4	190,263	3/4	205,564	3/4		3/4		3/4		3/4		3/4		3/4	
5	159,915	5	175,282	5	190,582	5	205,882	5		5		5		5		5		5	
1/4	160,235	1/4	175,601	1/4	190,901	1/4	206,201	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,556	1/2	175,919	1/2	191,220	1/2	206,520	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,877	3/4	176,238	3/4	191,538	3/4	206,839	3/4		3/4		3/4		3/4		3/4		3/4	
6	161,197	6	176,557	6	191,857	6	207,158	6		6		6		6		6		6	
1/4	161,518	1/4	176,876	1/4	192,176	1/4	207,476	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,838	1/2	177,194	1/2	192,495	1/2	207,795	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,159	3/4	177,513	3/4	192,813	3/4	208,114	3/4		3/4		3/4		3/4		3/4		3/4	
7	162,479	7	177,832	7	193,132	7	208,433	7		7		7		7		7		7	
1/4	162,800	1/4	178,151	1/4	193,451	1/4	208,748	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,121	1/2	178,469	1/2	193,770	1/2	209,064	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,441	3/4	178,788	3/4	194,088	3/4	209,380	3/4		3/4		3/4		3/4		3/4		3/4	
8	163,762	8	179,107	8	194,407	8	209,695	8		8		8		8		8		8	
1/4	164,082	1/4	179,426	1/4	194,726	1/4	210,010	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,403	1/2	179,744	1/2	195,045	1/2	210,325	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,724	3/4	180,063	3/4	195,363	3/4	210,640	3/4		3/4		3/4		3/4		3/4		3/4	
9	165,044	9	180,382	9	195,682	9	210,955	9		9		9		9		9		9	
1/4	165,365	1/4	180,701	1/4	196,001	1/4	211,270	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,685	1/2	181,019	1/2	196,320	1/2	211,585	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,006	3/4	181,338	3/4	196,639	3/4	211,899	3/4		3/4		3/4		3/4		3/4		3/4	
10	166,326	10	181,657	10	196,957	10	212,214	10		10		10		10		10		10	
1/4	166,647	1/4	181,976	1/4	197,276	1/4	212,528	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,968	1/2	182,294	1/2	197,595	1/2	212,842	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	167,288	3/4	182,613	3/4	197,914	3/4	213,156	3/4		3/4		3/4		3/4		3/4		3/4	
11	167,609	11	182,932	11	198,232	11	213,469	11		11		11		11		11		11	
1/4	167,929	1/4	183,251	1/4	198,551	1/4	213,782	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	168,250	1/2	183,569	1/2	198,870	1/2	214,095	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	168,570	3/4	183,888	3/4	199,189	3/4	214,408	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/11/2013 CL
CALCULATED: 12/12/2013 CL
PRINTED: 12/16/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 318"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	602	0	15,240	0	30,627	0	45,729	0	61,064	0	76,452	0	91,840	0	107,228	0	122,616	0	138,003
1/4	792	1/4	15,560	1/4	30,948	1/4	46,041	1/4	61,385	1/4	76,773	1/4	92,161	1/4	107,549	1/4	122,937	1/4	138,323
1/2	982	1/2	15,881	1/2	31,268	1/2	46,353	1/2	61,706	1/2	77,094	1/2	92,482	1/2	107,870	1/2	123,258	1/2	138,644
3/4	1,173	3/4	16,201	3/4	31,589	3/4	46,666	3/4	62,026	3/4	77,414	3/4	92,802	3/4	108,190	3/4	123,578	3/4	138,964
1	1,363	1	16,522	1	31,909	1	46,978	1	62,347	1	77,735	1	93,123	1	108,511	1	123,899	1	139,285
1/4	1,633	1/4	16,842	1/4	32,230	1/4	47,296	1/4	62,667	1/4	78,055	1/4	93,443	1/4	108,831	1/4	124,219	1/4	139,605
1/2	1,904	1/2	17,163	1/2	32,551	1/2	47,614	1/2	62,988	1/2	78,376	1/2	93,764	1/2	109,152	1/2	124,540	1/2	139,926
3/4	2,174	3/4	17,484	3/4	32,871	3/4	47,932	3/4	63,308	3/4	78,696	3/4	94,084	3/4	109,472	3/4	124,860	3/4	140,246
2	2,445	2	17,804	2	33,192	2	48,250	2	63,629	2	79,017	2	94,405	2	109,793	2	125,181	2	140,567
1/4	2,759	1/4	18,125	1/4	33,512	1/4	48,568	1/4	63,950	1/4	79,338	1/4	94,726	1/4	110,114	1/4	125,502	1/4	140,887
1/2	3,073	1/2	18,445	1/2	33,833	1/2	48,887	1/2	64,270	1/2	79,658	1/2	95,046	1/2	110,434	1/2	125,822	1/2	141,208
3/4	3,387	3/4	18,766	3/4	34,153	3/4	49,206	3/4	64,591	3/4	79,979	3/4	95,367	3/4	110,755	3/4	126,143	3/4	141,528
3	3,702	3	19,086	3	34,474	3	49,524	3	64,911	3	80,299	3	95,687	3	111,075	3	126,463	3	141,849
1/4	4,022	1/4	19,407	1/4	34,788	1/4	49,845	1/4	65,232	1/4	80,620	1/4	96,008	1/4	111,396	1/4	126,784	1/4	142,169
1/2	4,342	1/2	19,728	1/2	35,102	1/2	50,165	1/2	65,553	1/2	80,941	1/2	96,329	1/2	111,717	1/2	127,105	1/2	142,490
3/4	4,662	3/4	20,048	3/4	35,416	3/4	50,485	3/4	65,873	3/4	81,261	3/4	96,649	3/4	112,037	3/4	127,425	3/4	142,810
4	4,982	4	20,369	4	35,730	4	50,806	4	66,194	4	81,582	4	96,970	4	112,358	4	127,746	4	143,131
1/4	5,302	1/4	20,689	1/4	36,043	1/4	51,126	1/4	66,514	1/4	81,902	1/4	97,290	1/4	112,678	1/4	128,066	1/4	143,451
1/2	5,623	1/2	21,010	1/2	36,356	1/2	51,447	1/2	66,835	1/2	82,223	1/2	97,611	1/2	112,999	1/2	128,387	1/2	143,772
3/4	5,943	3/4	21,330	3/4	36,669	3/4	51,768	3/4	67,155	3/4	82,543	3/4	97,931	3/4	113,319	3/4	128,707	3/4	144,092
5	6,264	5	21,651	5	36,982	5	52,088	5	67,476	5	82,864	5	98,252	5	113,640	5	129,028	5	144,413
1/4	6,584	1/4	21,972	1/4	37,295	1/4	52,409	1/4	67,797	1/4	83,185	1/4	98,573	1/4	113,961	1/4	129,349	1/4	144,733
1/2	6,905	1/2	22,292	1/2	37,607	1/2	52,729	1/2	68,117	1/2	83,505	1/2	98,893	1/2	114,281	1/2	129,669	1/2	145,054
3/4	7,225	3/4	22,613	3/4	37,920	3/4	53,050	3/4	68,438	3/4	83,826	3/4	99,214	3/4	114,602	3/4	129,990	3/4	145,374
6	7,546	6	22,933	6	38,232	6	53,370	6	68,758	6	84,146	6	99,534	6	114,922	6	130,310	6	145,695
1/4	7,866	1/4	23,254	1/4	38,544	1/4	53,691	1/4	69,079	1/4	84,467	1/4	99,855	1/4	115,243	1/4	130,631	1/4	146,015
1/2	8,187	1/2	23,574	1/2	38,857	1/2	54,012	1/2	69,400	1/2	84,788	1/2	100,176	1/2	115,564	1/2	130,952	1/2	146,336
3/4	8,508	3/4	23,895	3/4	39,169	3/4	54,332	3/4	69,720	3/4	85,108	3/4	100,496	3/4	115,884	3/4	131,272	3/4	146,656
7	8,828	7	24,216	7	39,482	7	54,653	7	70,041	7	85,429	7	100,817	7	116,205	7	131,593	7	146,977
1/4	9,149	1/4	24,536	1/4	39,794	1/4	54,973	1/4	70,361	1/4	85,749	1/4	101,137	1/4	116,525	1/4	131,913	1/4	147,297
1/2	9,469	1/2	24,857	1/2	40,106	1/2	55,294	1/2	70,682	1/2	86,070	1/2	101,458	1/2	116,846	1/2	132,234	1/2	147,618
3/4	9,790	3/4	25,177	3/4	40,419	3/4	55,614	3/4	71,002	3/4	86,390	3/4	101,778	3/4	117,166	3/4	132,554	3/4	147,938
8	10,110	8	25,498	8	40,731	8	55,935	8	71,323	8	86,711	8	102,099	8	117,487	8	132,875	8	148,259
1/4	10,431	1/4	25,819	1/4	41,043	1/4	56,256	1/4	71,644	1/4	87,032	1/4	102,420	1/4	117,808	1/4	133,195	1/4	148,580
1/2	10,752	1/2	26,139	1/2	41,356	1/2	56,576	1/2	71,964	1/2	87,352	1/2	102,740	1/2	118,128	1/2	133,516	1/2	148,900
3/4	11,072	3/4	26,460	3/4	41,668	3/4	56,897	3/4	72,285	3/4	87,673	3/4	103,061	3/4	118,449	3/4	133,836	3/4	149,221
9	11,393	9	26,780	9	41,980	9	57,217	9	72,605	9	87,993	9	103,381	9	118,769	9	134,157	9	149,541
1/4	11,713	1/4	27,101	1/4	42,293	1/4	57,538	1/4	72,926	1/4	88,314	1/4	103,702	1/4	119,090	1/4	134,477	1/4	149,862
1/2	12,034	1/2	27,421	1/2	42,605	1/2	57,859	1/2	73,247	1/2	88,635	1/2	104,023	1/2	119,411	1/2	134,798	1/2	150,182
3/4	12,354	3/4	27,742	3/4	42,917	3/4	58,179	3/4	73,567	3/4	88,955	3/4	104,343	3/4	119,731	3/4	135,118	3/4	150,503
10	12,675	10	28,063	10	43,230	10	58,500	10	73,888	10	89,276	10	104,664	10	120,052	10	135,439	10	150,823
1/4	12,996	1/4	28,383	1/4	43,542	1/4	58,820	1/4	74,208	1/4	89,596	1/4	104,984	1/4	120,372	1/4	135,759	1/4	151,144
1/2	13,316	1/2	28,704	1/2	43,855	1/2	59,141	1/2	74,529	1/2	89,917	1/2	105,305	1/2	120,693	1/2	136,080	1/2	151,464
3/4	13,637	3/4	29,024	3/4	44,167	3/4	59,461	3/4	74,849	3/4	90,237	3/4	105,625	3/4	121,013	3/4	136,400	3/4	151,785
11	13,957	11	29,345	11	44,479	11	59,782	11	75,170	11	90,558	11	105,946	11	121,334	11	136,721	11	152,105
1/4	14,278	1/4	29,665	1/4	44,792	1/4	60,103	1/4	75,491	1/4	90,879	1/4	106,267	1/4	121,655	1/4	137,041	1/4	152,426
1/2	14,598	1/2	29,986	1/2	45,104	1/2	60,423	1/2	75,811	1/2	91,199	1/2	106,587	1/2	121,975	1/2	137,362	1/2	152,746
3/4	14,919	3/4	30,307	3/4	45,416	3/4	60,744	3/4	76,132	3/4	91,520	3/4	106,908	3/4	122,296	3/4	137,682	3/4	153,067

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 318"

2 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	153,387	0	168,771	0	184,084	0	199,380	0	214,589	0		0		0		0		0	
1/4	153,708	1/4	169,092	1/4	184,402	1/4	199,699	1/4	214,896	1/4		1/4		1/4		1/4		1/4	
1/2	154,028	1/2	169,412	1/2	184,721	1/2	200,018	1/2	215,203	1/2		1/2		1/2		1/2		1/2	
3/4	154,349	3/4	169,733	3/4	185,040	3/4	200,336	3/4	215,510	3/4		3/4		3/4		3/4		3/4	
1	154,669	1	170,053	1	185,358	1	200,655	1	215,817	1		1		1		1		1	
1/4	154,990	1/4	170,374	1/4	185,677	1/4	200,974	1/4	216,084	1/4		1/4		1/4		1/4		1/4	
1/2	155,310	1/2	170,694	1/2	185,996	1/2	201,292	1/2	216,352	1/2		1/2		1/2		1/2		1/2	
3/4	155,631	3/4	171,015	3/4	186,314	3/4	201,611	3/4	216,619	3/4		3/4		3/4		3/4		3/4	
2	155,951	2	171,335	2	186,633	2	201,930	2	216,887	2		2		2		2		2	
1/4	156,272	1/4	171,654	1/4	186,952	1/4	202,248	1/4	217,102	1/4		1/4		1/4		1/4		1/4	
1/2	156,592	1/2	171,973	1/2	187,270	1/2	202,567	1/2	217,317	1/2		1/2		1/2		1/2		1/2	
3/4	156,913	3/4	172,292	3/4	187,589	3/4	202,886	3/4	217,532	3/4		3/4		3/4		3/4		3/4	
3	157,233	3	172,611	3	187,908	3	203,204	3	217,747	3		3		3		3		3	
1/4	157,554	1/4	172,930	1/4	188,226	1/4	203,523	1/4	217,909	1/4		1/4		1/4		1/4		1/4	
1/2	157,874	1/2	173,248	1/2	188,545	1/2	203,842	1/2	218,071	1/2		1/2		1/2		1/2		1/2	
3/4	158,195	3/4	173,567	3/4	188,864	3/4	204,160	3/4		3/4		3/4		3/4		3/4		3/4	
4	158,515	4	173,886	4	189,182	4	204,479	4		4		4		4		4		4	
1/4	158,836	1/4	174,204	1/4	189,501	1/4	204,798	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,156	1/2	174,523	1/2	189,820	1/2	205,116	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,477	3/4	174,842	3/4	190,138	3/4	205,435	3/4		3/4		3/4		3/4		3/4		3/4	
5	159,797	5	175,160	5	190,457	5	205,754	5		5		5		5		5		5	
1/4	160,118	1/4	175,479	1/4	190,776	1/4	206,072	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,438	1/2	175,798	1/2	191,094	1/2	206,391	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,759	3/4	176,116	3/4	191,413	3/4	206,710	3/4		3/4		3/4		3/4		3/4		3/4	
6	161,079	6	176,435	6	191,732	6	207,029	6		6		6		6		6		6	
1/4	161,400	1/4	176,754	1/4	192,051	1/4	207,347	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,720	1/2	177,073	1/2	192,369	1/2	207,666	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,041	3/4	177,391	3/4	192,688	3/4	207,985	3/4		3/4		3/4		3/4		3/4		3/4	
7	162,361	7	177,710	7	193,007	7	208,303	7		7		7		7		7		7	
1/4	162,682	1/4	178,029	1/4	193,325	1/4	208,619	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,002	1/2	178,347	1/2	193,644	1/2	208,934	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,323	3/4	178,666	3/4	193,963	3/4	209,250	3/4		3/4		3/4		3/4		3/4		3/4	
8	163,643	8	178,985	8	194,281	8	209,566	8		8		8		8		8		8	
1/4	163,964	1/4	179,303	1/4	194,600	1/4	209,881	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,284	1/2	179,622	1/2	194,919	1/2	210,196	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,605	3/4	179,941	3/4	195,237	3/4	210,511	3/4		3/4		3/4		3/4		3/4		3/4	
9	164,925	9	180,259	9	195,556	9	210,826	9		9		9		9		9		9	
1/4	165,246	1/4	180,578	1/4	195,875	1/4	211,140	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,566	1/2	180,897	1/2	196,193	1/2	211,455	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,887	3/4	181,215	3/4	196,512	3/4	211,769	3/4		3/4		3/4		3/4		3/4		3/4	
10	166,207	10	181,534	10	196,831	10	212,084	10		10		10		10		10		10	
1/4	166,528	1/4	181,853	1/4	197,149	1/4	212,397	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,848	1/2	182,171	1/2	197,468	1/2	212,711	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	167,169	3/4	182,490	3/4	197,787	3/4	213,025	3/4		3/4		3/4		3/4		3/4		3/4	
11	167,489	11	182,809	11	198,105	11	213,339	11		11		11		11		11		11	
1/4	167,810	1/4	183,127	1/4	198,424	1/4	213,652	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	168,130	1/2	183,446	1/2	198,743	1/2	213,964	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	168,451	3/4	183,765	3/4	199,061	3/4	214,277	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/11/2013 CL
CALCULATED: 12/12/2013 CL
PRINTED: 12/16/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 318"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	612	0	15,496	0	31,135	0	46,499	0	61,938	0	77,544	0	93,146	0	108,699	0	124,289	0	139,882
1/4	805	1/4	15,822	1/4	31,460	1/4	46,816	1/4	62,264	1/4	77,869	1/4	93,470	1/4	109,024	1/4	124,614	1/4	140,207
1/2	999	1/2	16,148	1/2	31,785	1/2	47,132	1/2	62,589	1/2	78,194	1/2	93,794	1/2	109,348	1/2	124,939	1/2	140,532
3/4	1,192	3/4	16,474	3/4	32,110	3/4	47,449	3/4	62,914	3/4	78,519	3/4	94,118	3/4	109,673	3/4	125,264	3/4	140,857
1	1,386	1	16,800	1	32,435	1	47,766	1	63,239	1	78,844	1	94,442	1	109,997	1	125,589	1	141,181
1/4	1,661	1/4	17,126	1/4	32,760	1/4	48,082	1/4	63,564	1/4	79,169	1/4	94,766	1/4	110,322	1/4	125,914	1/4	141,506
1/2	1,936	1/2	17,452	1/2	33,085	1/2	48,399	1/2	63,889	1/2	79,494	1/2	95,090	1/2	110,647	1/2	126,238	1/2	141,831
3/4	2,211	3/4	17,778	3/4	33,409	3/4	48,716	3/4	64,214	3/4	79,820	3/4	95,414	3/4	110,971	3/4	126,563	3/4	142,156
2	2,486	2	18,104	2	33,734	2	49,033	2	64,539	2	80,145	2	95,738	2	111,296	2	126,888	2	142,481
1/4	2,805	1/4	18,430	1/4	34,059	1/4	49,350	1/4	64,865	1/4	80,470	1/4	96,062	1/4	111,620	1/4	127,213	1/4	142,806
1/2	3,125	1/2	18,755	1/2	34,384	1/2	49,667	1/2	65,190	1/2	80,795	1/2	96,386	1/2	111,945	1/2	127,538	1/2	143,130
3/4	3,444	3/4	19,081	3/4	34,709	3/4	49,984	3/4	65,515	3/4	81,120	3/4	96,710	3/4	112,270	3/4	127,863	3/4	143,455
3	3,764	3	19,407	3	35,034	3	50,301	3	65,840	3	81,445	3	97,034	3	112,594	3	128,188	3	143,780
1/4	4,089	1/4	19,733	1/4	35,359	1/4	50,618	1/4	66,165	1/4	81,770	1/4	97,358	1/4	112,919	1/4	128,512	1/4	144,105
1/2	4,414	1/2	20,059	1/2	35,684	1/2	50,935	1/2	66,490	1/2	82,095	1/2	97,682	1/2	113,244	1/2	128,837	1/2	144,430
3/4	4,740	3/4	20,385	3/4	36,009	3/4	51,252	3/4	66,815	3/4	82,421	3/4	98,006	3/4	113,569	3/4	129,162	3/4	144,755
4	5,065	4	20,711	4	36,334	4	51,570	4	67,140	4	82,746	4	98,331	4	113,894	4	129,487	4	145,079
1/4	5,391	1/4	21,037	1/4	36,659	1/4	51,887	1/4	67,465	1/4	83,071	1/4	98,655	1/4	114,218	1/4	129,812	1/4	145,404
1/2	5,717	1/2	21,363	1/2	36,984	1/2	52,204	1/2	67,790	1/2	83,396	1/2	98,979	1/2	114,543	1/2	130,137	1/2	145,728
3/4	6,043	3/4	21,689	3/4	37,309	3/4	52,521	3/4	68,115	3/4	83,721	3/4	99,303	3/4	114,868	3/4	130,462	3/4	146,052
5	6,369	5	22,015	5	37,634	5	52,839	5	68,440	5	84,046	5	99,627	5	115,193	5	130,786	5	146,376
1/4	6,695	1/4	22,341	1/4	37,951	1/4	53,163	1/4	68,765	1/4	84,371	1/4	99,951	1/4	115,518	1/4	131,111	1/4	146,700
1/2	7,021	1/2	22,667	1/2	38,268	1/2	53,487	1/2	69,090	1/2	84,697	1/2	100,275	1/2	115,843	1/2	131,436	1/2	147,024
3/4	7,347	3/4	22,993	3/4	38,586	3/4	53,811	3/4	69,415	3/4	85,022	3/4	100,599	3/4	116,168	3/4	131,761	3/4	147,348
6	7,672	6	23,319	6	38,903	6	54,135	6	69,740	6	85,347	6	100,923	6	116,492	6	132,086	6	147,672
1/4	7,998	1/4	23,645	1/4	39,219	1/4	54,460	1/4	70,066	1/4	85,672	1/4	101,247	1/4	116,817	1/4	132,411	1/4	147,996
1/2	8,324	1/2	23,971	1/2	39,536	1/2	54,786	1/2	70,391	1/2	85,997	1/2	101,571	1/2	117,142	1/2	132,736	1/2	148,320
3/4	8,650	3/4	24,297	3/4	39,852	3/4	55,111	3/4	70,716	3/4	86,322	3/4	101,895	3/4	117,467	3/4	133,061	3/4	148,644
7	8,976	7	24,623	7	40,169	7	55,436	7	71,041	7	86,647	7	102,219	7	117,792	7	133,385	7	148,968
1/4	9,302	1/4	24,949	1/4	40,485	1/4	55,761	1/4	71,366	1/4	86,972	1/4	102,543	1/4	118,117	1/4	133,710	1/4	149,292
1/2	9,628	1/2	25,275	1/2	40,802	1/2	56,086	1/2	71,691	1/2	87,298	1/2	102,867	1/2	118,442	1/2	134,035	1/2	149,616
3/4	9,954	3/4	25,601	3/4	41,118	3/4	56,411	3/4	72,016	3/4	87,623	3/4	103,191	3/4	118,766	3/4	134,360	3/4	149,940
8	10,280	8	25,927	8	41,435	8	56,736	8	72,342	8	87,948	8	103,515	8	119,091	8	134,685	8	150,264
1/4	10,606	1/4	26,253	1/4	41,751	1/4	57,061	1/4	72,667	1/4	88,273	1/4	103,839	1/4	119,416	1/4	135,010	1/4	150,589
1/2	10,932	1/2	26,579	1/2	42,068	1/2	57,387	1/2	72,992	1/2	88,598	1/2	104,163	1/2	119,741	1/2	135,334	1/2	150,913
3/4	11,258	3/4	26,905	3/4	42,384	3/4	57,712	3/4	73,317	3/4	88,923	3/4	104,487	3/4	120,066	3/4	135,659	3/4	151,237
9	11,584	9	27,231	9	42,701	9	58,037	9	73,642	9	89,248	9	104,811	9	120,391	9	135,984	9	151,561
1/4	11,910	1/4	27,557	1/4	43,018	1/4	58,362	1/4	73,967	1/4	89,574	1/4	105,135	1/4	120,716	1/4	136,309	1/4	151,885
1/2	12,236	1/2	27,883	1/2	43,334	1/2	58,687	1/2	74,292	1/2	89,899	1/2	105,459	1/2	121,041	1/2	136,634	1/2	152,209
3/4	12,562	3/4	28,209	3/4	43,651	3/4	59,012	3/4	74,617	3/4	90,224	3/4	105,782	3/4	121,365	3/4	136,959	3/4	152,533
10	12,888	10	28,535	10	43,967	10	59,337	10	74,943	10	90,549	10	106,106	10	121,690	10	137,283	10	152,857
1/4	13,214	1/4	28,860	1/4	44,284	1/4	59,663	1/4	75,268	1/4	90,874	1/4	106,430	1/4	122,015	1/4	137,608	1/4	153,181
1/2	13,540	1/2	29,185	1/2	44,600	1/2	59,988	1/2	75,593	1/2	91,199	1/2	106,754	1/2	122,340	1/2	137,933	1/2	153,505
3/4	13,866	3/4	29,510	3/4	44,917	3/4	60,313	3/4	75,918	3/4	91,524	3/4	107,077	3/4	122,665	3/4	138,258	3/4	153,829
11	14,192	11	29,835	11	45,233	11	60,638	11	76,243	11	91,849	11	107,401	11	122,990	11	138,583	11	154,153
1/4	14,518	1/4	30,160	1/4	45,550	1/4	60,963	1/4	76,568	1/4	92,174	1/4	107,725	1/4	123,315	1/4	138,908	1/4	154,477
1/2	14,844	1/2	30,485	1/2	45,866	1/2	61,288	1/2	76,893	1/2	92,498	1/2	108,050	1/2	123,639	1/2	139,232	1/2	154,801
3/4	15,170	3/4	30,810	3/4	46,183	3/4	61,613	3/4	77,218	3/4	92,822	3/4	108,374	3/4	123,964	3/4	139,557	3/4	155,125

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 318"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	155,450	0	168,401	0	180,381	0	192,350	0	204,245	0		0		0		0		0	
1/4	155,774	1/4	168,652	1/4	180,631	1/4	192,599	1/4	204,484	1/4		1/4		1/4		1/4		1/4	
1/2	156,098	1/2	168,903	1/2	180,880	1/2	192,848	1/2	204,722	1/2		1/2		1/2		1/2		1/2	
3/4	156,422	3/4	169,153	3/4	181,129	3/4	193,098	3/4	204,960	3/4		3/4		3/4		3/4		3/4	
1	156,746	1	169,404	1	181,379	1	193,347	1	205,198	1		1		1		1		1	
1/4	157,070	1/4	169,655	1/4	181,628	1/4	193,596	1/4	205,396	1/4		1/4		1/4		1/4		1/4	
1/2	157,394	1/2	169,905	1/2	181,877	1/2	193,846	1/2	205,594	1/2		1/2		1/2		1/2		1/2	
3/4	157,718	3/4	170,156	3/4	182,127	3/4	194,095	3/4	205,792	3/4		3/4		3/4		3/4		3/4	
2	158,042	2	170,407	2	182,376	2	194,344	2	205,990	2		2		2		2		2	
1/4	158,366	1/4	170,656	1/4	182,625	1/4	194,594	1/4	206,135	1/4		1/4		1/4		1/4		1/4	
1/2	158,691	1/2	170,906	1/2	182,875	1/2	194,843	1/2	206,280	1/2		1/2		1/2		1/2		1/2	
3/4	159,015	3/4	171,155	3/4	183,124	3/4	195,092	3/4	206,425	3/4		3/4		3/4		3/4		3/4	
3	159,339	3	171,405	3	183,373	3	195,342	3	206,570	3		3		3		3		3	
1/4	159,599	1/4	171,654	1/4	183,623	1/4	195,591	1/4	206,660	1/4		1/4		1/4		1/4		1/4	
1/2	159,859	1/2	171,904	1/2	183,872	1/2	195,840	1/2	206,751	1/2		1/2		1/2		1/2		1/2	
3/4	160,118	3/4	172,153	3/4	184,121	3/4	196,090	3/4		3/4		3/4		3/4		3/4		3/4	
4	160,378	4	172,402	4	184,371	4	196,339	4		4		4		4		4		4	
1/4	160,629	1/4	172,652	1/4	184,620	1/4	196,588	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,880	1/2	172,901	1/2	184,869	1/2	196,838	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,130	3/4	173,150	3/4	185,119	3/4	197,087	3/4		3/4		3/4		3/4		3/4		3/4	
5	161,381	5	173,400	5	185,368	5	197,336	5		5		5		5		5		5	
1/4	161,632	1/4	173,649	1/4	185,617	1/4	197,586	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,883	1/2	173,898	1/2	185,867	1/2	197,835	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,133	3/4	174,148	3/4	186,116	3/4	198,084	3/4		3/4		3/4		3/4		3/4		3/4	
6	162,384	6	174,397	6	186,365	6	198,334	6		6		6		6		6		6	
1/4	162,635	1/4	174,646	1/4	186,615	1/4	198,583	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,885	1/2	174,896	1/2	186,864	1/2	198,833	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,136	3/4	175,145	3/4	187,113	3/4	199,082	3/4		3/4		3/4		3/4		3/4		3/4	
7	163,387	7	175,394	7	187,363	7	199,331	7		7		7		7		7		7	
1/4	163,638	1/4	175,644	1/4	187,612	1/4	199,578	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,888	1/2	175,893	1/2	187,861	1/2	199,825	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,139	3/4	176,142	3/4	188,111	3/4	200,072	3/4		3/4		3/4		3/4		3/4		3/4	
8	164,390	8	176,392	8	188,360	8	200,319	8		8		8		8		8		8	
1/4	164,640	1/4	176,641	1/4	188,609	1/4	200,565	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,891	1/2	176,890	1/2	188,859	1/2	200,812	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,142	3/4	177,140	3/4	189,108	3/4	201,058	3/4		3/4		3/4		3/4		3/4		3/4	
9	165,393	9	177,389	9	189,358	9	201,305	9		9		9		9		9		9	
1/4	165,643	1/4	177,638	1/4	189,607	1/4	201,551	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,894	1/2	177,888	1/2	189,856	1/2	201,797	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,145	3/4	178,137	3/4	190,106	3/4	202,043	3/4		3/4		3/4		3/4		3/4		3/4	
10	166,395	10	178,386	10	190,355	10	202,289	10		10		10		10		10		10	
1/4	166,646	1/4	178,636	1/4	190,604	1/4	202,534	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,897	1/2	178,885	1/2	190,854	1/2	202,779	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	167,148	3/4	179,134	3/4	191,103	3/4	203,024	3/4		3/4		3/4		3/4		3/4		3/4	
11	167,398	11	179,384	11	191,352	11	203,269	11		11		11		11		11		11	
1/4	167,649	1/4	179,633	1/4	191,602	1/4	203,513	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	167,900	1/2	179,882	1/2	191,851	1/2	203,757	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	168,150	3/4	180,132	3/4	192,100	3/4	204,001	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/11/2013 CL
CALCULATED: 12/12/2013 CL
PRINTED: 12/16/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "CBC 318"

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	612	0	15,496	0	31,135	0	46,306	0	61,612	0	77,218	0	92,820	0	108,373	0	123,963	0	139,556
1/4	805	1/4	15,822	1/4	31,460	1/4	46,616	1/4	61,937	1/4	77,543	1/4	93,144	1/4	108,697	1/4	124,288	1/4	139,881
1/2	999	1/2	16,148	1/2	31,785	1/2	46,925	1/2	62,263	1/2	77,868	1/2	93,468	1/2	109,022	1/2	124,613	1/2	140,206
3/4	1,192	3/4	16,474	3/4	32,110	3/4	47,235	3/4	62,588	3/4	78,193	3/4	93,792	3/4	109,347	3/4	124,938	3/4	140,531
1	1,386	1	16,800	1	32,435	1	47,544	1	62,913	1	78,518	1	94,116	1	109,671	1	125,263	1	140,855
1/4	1,661	1/4	17,126	1/4	32,760	1/4	47,854	1/4	63,238	1/4	78,843	1/4	94,440	1/4	109,996	1/4	125,587	1/4	141,180
1/2	1,936	1/2	17,452	1/2	33,085	1/2	48,164	1/2	63,563	1/2	79,168	1/2	94,764	1/2	110,320	1/2	125,912	1/2	141,505
3/4	2,211	3/4	17,778	3/4	33,409	3/4	48,474	3/4	63,888	3/4	79,493	3/4	95,088	3/4	110,645	3/4	126,237	3/4	141,830
2	2,486	2	18,104	2	33,734	2	48,784	2	64,213	2	79,819	2	95,412	2	110,970	2	126,562	2	142,155
1/4	2,805	1/4	18,430	1/4	34,059	1/4	49,095	1/4	64,539	1/4	80,144	1/4	95,736	1/4	111,294	1/4	126,887	1/4	142,480
1/2	3,125	1/2	18,755	1/2	34,384	1/2	49,406	1/2	64,864	1/2	80,469	1/2	96,060	1/2	111,619	1/2	127,212	1/2	142,804
3/4	3,444	3/4	19,081	3/4	34,709	3/4	49,716	3/4	65,189	3/4	80,794	3/4	96,384	3/4	111,943	3/4	127,537	3/4	143,129
3	3,764	3	19,407	3	35,034	3	50,027	3	65,514	3	81,119	3	96,708	3	112,268	3	127,861	3	143,454
1/4	4,089	1/4	19,733	1/4	35,359	1/4	50,338	1/4	65,839	1/4	81,444	1/4	97,032	1/4	112,593	1/4	128,186	1/4	143,779
1/2	4,414	1/2	20,059	1/2	35,684	1/2	50,649	1/2	66,164	1/2	81,769	1/2	97,356	1/2	112,918	1/2	128,511	1/2	144,104
3/4	4,740	3/4	20,385	3/4	36,009	3/4	50,960	3/4	66,489	3/4	82,095	3/4	97,680	3/4	113,243	3/4	128,836	3/4	144,429
4	5,065	4	20,711	4	36,334	4	51,271	4	66,814	4	82,420	4	98,004	4	113,567	4	129,161	4	144,753
1/4	5,391	1/4	21,037	1/4	36,658	1/4	51,582	1/4	67,139	1/4	82,745	1/4	98,328	1/4	113,892	1/4	129,486	1/4	145,078
1/2	5,717	1/2	21,363	1/2	36,983	1/2	51,893	1/2	67,464	1/2	83,070	1/2	98,652	1/2	114,217	1/2	129,811	1/2	145,402
3/4	6,043	3/4	21,689	3/4	37,307	3/4	52,205	3/4	67,789	3/4	83,395	3/4	98,976	3/4	114,542	3/4	130,135	3/4	145,726
5	6,369	5	22,015	5	37,631	5	52,516	5	68,114	5	83,720	5	99,301	5	114,867	5	130,460	5	146,050
1/4	6,695	1/4	22,341	1/4	37,942	1/4	52,839	1/4	68,439	1/4	84,045	1/4	99,625	1/4	115,192	1/4	130,785	1/4	146,374
1/2	7,021	1/2	22,667	1/2	38,253	1/2	53,162	1/2	68,764	1/2	84,370	1/2	99,949	1/2	115,517	1/2	131,110	1/2	146,698
3/4	7,347	3/4	22,993	3/4	38,565	3/4	53,486	3/4	69,089	3/4	84,696	3/4	100,273	3/4	115,841	3/4	131,435	3/4	147,022
6	7,672	6	23,319	6	38,876	6	53,809	6	69,414	6	85,021	6	100,597	6	116,166	6	131,760	6	147,346
1/4	7,998	1/4	23,645	1/4	39,185	1/4	54,134	1/4	69,739	1/4	85,346	1/4	100,921	1/4	116,491	1/4	132,085	1/4	147,670
1/2	8,324	1/2	23,971	1/2	39,495	1/2	54,459	1/2	70,065	1/2	85,671	1/2	101,245	1/2	116,816	1/2	132,410	1/2	147,994
3/4	8,650	3/4	24,297	3/4	39,804	3/4	54,785	3/4	70,390	3/4	85,996	3/4	101,569	3/4	117,141	3/4	132,734	3/4	148,318
7	8,976	7	24,623	7	40,114	7	55,110	7	70,715	7	86,321	7	101,893	7	117,466	7	133,059	7	148,642
1/4	9,302	1/4	24,949	1/4	40,423	1/4	55,435	1/4	71,040	1/4	86,646	1/4	102,217	1/4	117,791	1/4	133,384	1/4	148,966
1/2	9,628	1/2	25,275	1/2	40,733	1/2	55,760	1/2	71,365	1/2	86,971	1/2	102,541	1/2	118,116	1/2	133,709	1/2	149,290
3/4	9,954	3/4	25,601	3/4	41,043	3/4	56,085	3/4	71,690	3/4	87,297	3/4	102,865	3/4	118,440	3/4	134,034	3/4	149,614
8	10,280	8	25,927	8	41,352	8	56,410	8	72,015	8	87,622	8	103,189	8	118,765	8	134,359	8	149,938
1/4	10,606	1/4	26,253	1/4	41,662	1/4	56,735	1/4	72,341	1/4	87,947	1/4	103,513	1/4	119,090	1/4	134,683	1/4	150,262
1/2	10,932	1/2	26,579	1/2	41,971	1/2	57,060	1/2	72,666	1/2	88,272	1/2	103,837	1/2	119,415	1/2	135,008	1/2	150,586
3/4	11,258	3/4	26,905	3/4	42,281	3/4	57,386	3/4	72,991	3/4	88,597	3/4	104,161	3/4	119,740	3/4	135,333	3/4	150,910
9	11,584	9	27,231	9	42,591	9	57,711	9	73,316	9	88,922	9	104,485	9	120,065	9	135,658	9	151,235
1/4	11,910	1/4	27,557	1/4	42,900	1/4	58,036	1/4	73,641	1/4	89,247	1/4	104,809	1/4	120,390	1/4	135,983	1/4	151,559
1/2	12,236	1/2	27,883	1/2	43,210	1/2	58,361	1/2	73,966	1/2	89,573	1/2	105,132	1/2	120,714	1/2	136,308	1/2	151,883
3/4	12,562	3/4	28,209	3/4	43,519	3/4	58,686	3/4	74,291	3/4	89,898	3/4	105,456	3/4	121,039	3/4	136,632	3/4	152,207
10	12,888	10	28,535	10	43,829	10	59,011	10	74,616	10	90,223	10	105,780	10	121,364	10	136,957	10	152,531
1/4	13,214	1/4	28,860	1/4	44,139	1/4	59,336	1/4	74,942	1/4	90,548	1/4	106,104	1/4	121,689	1/4	137,282	1/4	152,855
1/2	13,540	1/2	29,185	1/2	44,448	1/2	59,662	1/2	75,267	1/2	90,873	1/2	106,427	1/2	122,014	1/2	137,607	1/2	153,179
3/4	13,866	3/4	29,510	3/4	44,758	3/4	59,987	3/4	75,592	3/4	91,198	3/4	106,751	3/4	122,339	3/4	137,932	3/4	153,503
11	14,192	11	29,835	11	45,067	11	60,312	11	75,917	11	91,523	11	107,075	11	122,664	11	138,257	11	153,827
1/4	14,518	1/4	30,160	1/4	45,377	1/4	60,637	1/4	76,242	1/4	91,847	1/4	107,399	1/4	122,988	1/4	138,581	1/4	154,151
1/2	14,844	1/2	30,485	1/2	45,687	1/2	60,962	1/2	76,567	1/2	92,172	1/2	107,724	1/2	123,313	1/2	138,906	1/2	154,475
3/4	15,170	3/4	30,810	3/4	45,996	3/4	61,287	3/4	76,892	3/4	92,496	3/4	108,048	3/4	123,638	3/4	139,231	3/4	154,799

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 318"

3 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	155,123	0	168,075	0	180,055	0	192,024	0	203,919	0		0		0		0		0	
1/4	155,448	1/4	168,326	1/4	180,304	1/4	192,273	1/4	204,157	1/4		1/4		1/4		1/4		1/4	
1/2	155,772	1/2	168,576	1/2	180,554	1/2	192,522	1/2	204,396	1/2		1/2		1/2		1/2		1/2	
3/4	156,096	3/4	168,827	3/4	180,803	3/4	192,772	3/4	204,634	3/4		3/4		3/4		3/4		3/4	
1	156,420	1	169,078	1	181,052	1	193,021	1	204,872	1		1		1		1		1	
1/4	156,744	1/4	169,329	1/4	181,302	1/4	193,270	1/4	205,070	1/4		1/4		1/4		1/4		1/4	
1/2	157,068	1/2	169,579	1/2	181,551	1/2	193,520	1/2	205,268	1/2		1/2		1/2		1/2		1/2	
3/4	157,392	3/4	169,830	3/4	181,800	3/4	193,769	3/4	205,466	3/4		3/4		3/4		3/4		3/4	
2	157,716	2	170,081	2	182,050	2	194,018	2	205,664	2		2		2		2		2	
1/4	158,040	1/4	170,330	1/4	182,299	1/4	194,268	1/4	205,809	1/4		1/4		1/4		1/4		1/4	
1/2	158,364	1/2	170,580	1/2	182,548	1/2	194,517	1/2	205,954	1/2		1/2		1/2		1/2		1/2	
3/4	158,689	3/4	170,829	3/4	182,798	3/4	194,766	3/4	206,099	3/4		3/4		3/4		3/4		3/4	
3	159,013	3	171,079	3	183,047	3	195,016	3	206,244	3		3		3		3		3	
1/4	159,273	1/4	171,328	1/4	183,297	1/4	195,265	1/4	206,334	1/4		1/4		1/4		1/4		1/4	
1/2	159,532	1/2	171,577	1/2	183,546	1/2	195,514	1/2	206,425	1/2		1/2		1/2		1/2		1/2	
3/4	159,792	3/4	171,827	3/4	183,795	3/4	195,764	3/4		3/4		3/4		3/4		3/4		3/4	
4	160,052	4	172,076	4	184,045	4	196,013	4		4		4		4		4		4	
1/4	160,303	1/4	172,325	1/4	184,294	1/4	196,262	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,554	1/2	172,575	1/2	184,543	1/2	196,512	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,804	3/4	172,824	3/4	184,793	3/4	196,761	3/4		3/4		3/4		3/4		3/4		3/4	
5	161,055	5	173,073	5	185,042	5	197,010	5		5		5		5		5		5	
1/4	161,306	1/4	173,323	1/4	185,291	1/4	197,260	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,556	1/2	173,572	1/2	185,541	1/2	197,509	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,807	3/4	173,822	3/4	185,790	3/4	197,758	3/4		3/4		3/4		3/4		3/4		3/4	
6	162,058	6	174,071	6	186,039	6	198,008	6		6		6		6		6		6	
1/4	162,309	1/4	174,320	1/4	186,289	1/4	198,257	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,559	1/2	174,570	1/2	186,538	1/2	198,506	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,810	3/4	174,819	3/4	186,787	3/4	198,756	3/4		3/4		3/4		3/4		3/4		3/4	
7	163,061	7	175,068	7	187,037	7	199,005	7		7		7		7		7		7	
1/4	163,311	1/4	175,318	1/4	187,286	1/4	199,252	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,562	1/2	175,567	1/2	187,535	1/2	199,499	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,813	3/4	175,816	3/4	187,785	3/4	199,746	3/4		3/4		3/4		3/4		3/4		3/4	
8	164,064	8	176,066	8	188,034	8	199,993	8		8		8		8		8		8	
1/4	164,314	1/4	176,315	1/4	188,283	1/4	200,239	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,565	1/2	176,564	1/2	188,533	1/2	200,486	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,816	3/4	176,814	3/4	188,782	3/4	200,732	3/4		3/4		3/4		3/4		3/4		3/4	
9	165,066	9	177,063	9	189,031	9	200,979	9		9		9		9		9		9	
1/4	165,317	1/4	177,312	1/4	189,281	1/4	201,225	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,568	1/2	177,562	1/2	189,530	1/2	201,470	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,819	3/4	177,811	3/4	189,779	3/4	201,716	3/4		3/4		3/4		3/4		3/4		3/4	
10	166,069	10	178,060	10	190,029	10	201,962	10		10		10		10		10		10	
1/4	166,320	1/4	178,310	1/4	190,278	1/4	202,208	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,571	1/2	178,559	1/2	190,527	1/2	202,453	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,821	3/4	178,808	3/4	190,777	3/4	202,698	3/4		3/4		3/4		3/4		3/4		3/4	
11	167,072	11	179,058	11	191,026	11	202,943	11		11		11		11		11		11	
1/4	167,323	1/4	179,307	1/4	191,275	1/4	203,187	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	167,574	1/2	179,556	1/2	191,525	1/2	203,431	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	167,824	3/4	179,806	3/4	191,774	3/4	203,675	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/11/2013 CL
CALCULATED: 12/12/2013 CL
PRINTED: 12/16/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 318"

OUTAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 258'-06"

December 11, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.

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 Pearland, Texas 77588

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BARGE "CBC 318"

1 PORT OUTAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	209,404	0	193,755	0	178,106	0	162,383	0	146,646	0	130,909	0	115,169
1/4		1/4		1/4		1/4	209,078	1/4	193,429	1/4	177,780	1/4	162,055	1/4	146,318	1/4	130,581	1/4	114,841
1/2		1/2		1/2		1/2	223,311	1/2	208,751	1/2	193,102	1/2	177,453	1/2	161,727	1/2	145,991	1/2	130,253
3/4		3/4		3/4		3/4	223,145	3/4	208,425	3/4	192,776	3/4	177,127	3/4	161,399	3/4	145,663	3/4	129,925
1		1		1		1	222,980	1	208,099	1	192,450	1	176,801	1	161,071	1	145,335	1	129,597
1/4		1/4		1/4		1/4	222,760	1/4	207,773	1/4	192,124	1/4	176,475	1/4	160,744	1/4	145,007	1/4	129,269
1/2		1/2		1/2		1/2	222,540	1/2	207,447	1/2	191,798	1/2	176,149	1/2	160,416	1/2	144,679	1/2	128,941
3/4		3/4		3/4		3/4	222,319	3/4	207,121	3/4	191,472	3/4	175,823	3/4	160,088	3/4	144,351	3/4	128,613
2		2		2		2	222,099	2	206,795	2	191,146	2	175,496	2	159,760	2	144,023	2	128,285
1/4		1/4		1/4		1/4	221,826	1/4	206,469	1/4	190,820	1/4	175,169	1/4	159,432	1/4	143,696	1/4	127,958
1/2		1/2		1/2		1/2	221,552	1/2	206,143	1/2	190,494	1/2	174,841	1/2	159,104	1/2	143,368	1/2	127,630
3/4		3/4		3/4		3/4	221,278	3/4	205,817	3/4	190,168	3/4	174,513	3/4	158,776	3/4	143,040	3/4	127,302
3		3		3		3	221,005	3	205,491	3	189,842	3	174,185	3	158,449	3	142,712	3	126,974
1/4		1/4		1/4		1/4	220,691	1/4	205,165	1/4	189,516	1/4	173,857	1/4	158,121	1/4	142,384	1/4	126,646
1/2		1/2		1/2		1/2	220,377	1/2	204,839	1/2	189,190	1/2	173,529	1/2	157,793	1/2	142,056	1/2	126,318
3/4		3/4		3/4		3/4	220,062	3/4	204,513	3/4	188,864	3/4	173,202	3/4	157,465	3/4	141,729	3/4	125,990
4		4		4		4	219,748	4	204,187	4	188,538	4	172,874	4	157,137	4	141,401	4	125,662
1/4		1/4		1/4		1/4	219,428	1/4	203,861	1/4	188,212	1/4	172,546	1/4	156,809	1/4	141,073	1/4	125,334
1/2		1/2		1/2		1/2	219,109	1/2	203,535	1/2	187,886	1/2	172,218	1/2	156,482	1/2	140,745	1/2	125,006
3/4		3/4		3/4		3/4	218,789	3/4	203,209	3/4	187,560	3/4	171,890	3/4	156,154	3/4	140,417	3/4	124,678
5		5		5		5	218,469	5	202,883	5	187,234	5	171,562	5	155,826	5	140,089	5	124,350
1/4		1/4		1/4		1/4	218,148	1/4	202,557	1/4	186,908	1/4	171,234	1/4	155,498	1/4	139,762	1/4	124,022
1/2		1/2		1/2		1/2	217,827	1/2	202,231	1/2	186,582	1/2	170,907	1/2	155,170	1/2	139,434	1/2	123,695
3/4		3/4		3/4		3/4	217,505	3/4	201,905	3/4	186,256	3/4	170,579	3/4	154,842	3/4	139,106	3/4	123,367
6		6		6		6	217,184	6	201,579	6	185,930	6	170,251	6	154,514	6	138,778	6	123,039
1/4		1/4		1/4		1/4	216,862	1/4	201,253	1/4	185,604	1/4	169,923	1/4	154,187	1/4	138,450	1/4	122,711
1/2		1/2		1/2		1/2	216,541	1/2	200,927	1/2	185,278	1/2	169,595	1/2	153,859	1/2	138,122	1/2	122,383
3/4		3/4		3/4		3/4	216,219	3/4	200,601	3/4	184,952	3/4	169,267	3/4	153,531	3/4	137,794	3/4	122,055
7		7		7		7	215,897	7	200,275	7	184,626	7	168,940	7	153,203	7	137,467	7	121,727
1/4		1/4		1/4		1/4	215,574	1/4	199,949	1/4	184,300	1/4	168,612	1/4	152,875	1/4	137,139	1/4	121,399
1/2		1/2		1/2		1/2	215,252	1/2	199,623	1/2	183,974	1/2	168,284	1/2	152,547	1/2	136,811	1/2	121,071
3/4		3/4		3/4		3/4	214,930	3/4	199,297	3/4	183,648	3/4	167,956	3/4	152,220	3/4	136,483	3/4	120,743
8		8		8		8	214,608	8	198,971	8	183,322	8	167,628	8	151,892	8	136,155	8	120,415
1/4		1/4		1/4		1/4	214,285	1/4	198,645	1/4	182,996	1/4	167,300	1/4	151,564	1/4	135,827	1/4	120,087
1/2		1/2		1/2		1/2	213,962	1/2	198,319	1/2	182,670	1/2	166,973	1/2	151,236	1/2	135,500	1/2	119,759
3/4		3/4		3/4		3/4	213,639	3/4	197,993	3/4	182,344	3/4	166,645	3/4	150,908	3/4	135,172	3/4	119,432
9		9		9		9	213,316	9	197,667	9	182,018	9	166,317	9	150,580	9	134,844	9	119,104
1/4		1/4		1/4		1/4	212,990	1/4	197,341	1/4	181,692	1/4	165,989	1/4	150,253	1/4	134,516	1/4	118,776
1/2		1/2		1/2		1/2	212,664	1/2	197,015	1/2	181,366	1/2	165,661	1/2	149,925	1/2	134,188	1/2	118,448
3/4		3/4		3/4		3/4	212,338	3/4	196,689	3/4	181,040	3/4	165,333	3/4	149,597	3/4	133,860	3/4	118,120
10		10		10		10	212,012	10	196,363	10	180,714	10	165,005	10	149,269	10	133,532	10	117,792
1/4		1/4		1/4		1/4	211,686	1/4	196,037	1/4	180,388	1/4	164,678	1/4	148,941	1/4	133,204	1/4	117,464
1/2		1/2		1/2		1/2	211,360	1/2	195,711	1/2	180,062	1/2	164,350	1/2	148,613	1/2	132,876	1/2	117,136
3/4		3/4		3/4		3/4	211,034	3/4	195,385	3/4	179,736	3/4	164,022	3/4	148,285	3/4	132,548	3/4	116,808
11		11		11		11	210,708	11	195,059	11	179,410	11	163,694	11	147,958	11	132,220	11	116,480
1/4		1/4		1/4		1/4	210,382	1/4	194,733	1/4	179,084	1/4	163,366	1/4	147,630	1/4	131,893	1/4	116,152
1/2		1/2		1/2		1/2	210,056	1/2	194,407	1/2	178,758	1/2	163,038	1/2	147,302	1/2	131,565	1/2	115,824
3/4		3/4		3/4		3/4	209,730	3/4	194,081	3/4	178,432	3/4	162,711	3/4	146,974	3/4	131,237	3/4	115,497

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 T ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "CBC 318"

1 PORT OUTAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	99,428	0	83,688	0	67,948	0	52,208	0	36,567	0	20,834	0	5,095	0		0		0	
1/4	99,100	1/4	83,360	1/4	67,620	1/4	51,880	1/4	36,241	1/4	20,506	1/4	4,767	1/4		1/4		1/4	
1/2	98,773	1/2	83,032	1/2	67,292	1/2	51,552	1/2	35,914	1/2	20,178	1/2	4,440	1/2		1/2		1/2	
3/4	98,445	3/4	82,704	3/4	66,964	3/4	51,224	3/4	35,588	3/4	19,850	3/4	4,113	3/4		3/4		3/4	
1	98,117	1	82,376	1	66,636	1	50,896	1	35,262	1	19,522	1	3,785	1		1		1	
1/4	97,789	1/4	82,049	1/4	66,308	1/4	50,569	1/4	34,934	1/4	19,194	1/4	3,464	1/4		1/4		1/4	
1/2	97,461	1/2	81,721	1/2	65,980	1/2	50,241	1/2	34,606	1/2	18,867	1/2	3,143	1/2		1/2		1/2	
3/4	97,133	3/4	81,393	3/4	65,652	3/4	49,914	3/4	34,278	3/4	18,539	3/4	2,821	3/4		3/4		3/4	
2	96,805	2	81,065	2	65,325	2	49,586	2	33,951	2	18,211	2	2,500	2		2		2	
1/4	96,477	1/4	80,737	1/4	64,997	1/4	49,259	1/4	33,623	1/4	17,883	1/4	2,223	1/4		1/4		1/4	
1/2	96,149	1/2	80,409	1/2	64,669	1/2	48,932	1/2	33,295	1/2	17,555	1/2	1,947	1/2		1/2		1/2	
3/4	95,821	3/4	80,081	3/4	64,341	3/4	48,604	3/4	32,967	3/4	17,227	3/4	1,670	3/4		3/4		3/4	
3	95,493	3	79,753	3	64,013	3	48,277	3	32,639	3	16,899	3	1,393	3		3		3	
1/4	95,165	1/4	79,425	1/4	63,685	1/4	47,952	1/4	32,311	1/4	16,571	1/4	1,199	1/4		1/4		1/4	
1/2	94,837	1/2	79,097	1/2	63,357	1/2	47,627	1/2	31,983	1/2	16,243	1/2	1,004	1/2		1/2		1/2	
3/4	94,510	3/4	78,769	3/4	63,029	3/4	47,301	3/4	31,655	3/4	15,915	3/4	809	3/4		3/4		3/4	
4	94,182	4	78,441	4	62,701	4	46,976	4	31,327	4	15,587	4	615	4		4		4	
1/4	93,854	1/4	78,113	1/4	62,373	1/4	46,651	1/4	30,999	1/4	15,260	1/4		1/4		1/4		1/4	
1/2	93,526	1/2	77,786	1/2	62,045	1/2	46,326	1/2	30,671	1/2	14,932	1/2		1/2		1/2		1/2	
3/4	93,198	3/4	77,458	3/4	61,717	3/4	46,001	3/4	30,343	3/4	14,604	3/4		3/4		3/4		3/4	
5	92,870	5	77,130	5	61,390	5	45,676	5	30,016	5	14,276	5		5		5		5	
1/4	92,542	1/4	76,802	1/4	61,062	1/4	45,350	1/4	29,688	1/4	13,948	1/4		1/4		1/4		1/4	
1/2	92,214	1/2	76,474	1/2	60,734	1/2	45,025	1/2	29,360	1/2	13,620	1/2		1/2		1/2		1/2	
3/4	91,886	3/4	76,146	3/4	60,406	3/4	44,700	3/4	29,032	3/4	13,292	3/4		3/4		3/4		3/4	
6	91,558	6	75,818	6	60,078	6	44,375	6	28,704	6	12,964	6		6		6		6	
1/4	91,230	1/4	75,490	1/4	59,750	1/4	44,050	1/4	28,376	1/4	12,636	1/4		1/4		1/4		1/4	
1/2	90,902	1/2	75,162	1/2	59,422	1/2	43,724	1/2	28,048	1/2	12,308	1/2		1/2		1/2		1/2	
3/4	90,574	3/4	74,834	3/4	59,094	3/4	43,399	3/4	27,720	3/4	11,980	3/4		3/4		3/4		3/4	
7	90,247	7	74,506	7	58,766	7	43,074	7	27,392	7	11,652	7		7		7		7	
1/4	89,919	1/4	74,178	1/4	58,438	1/4	42,749	1/4	27,064	1/4	11,325	1/4		1/4		1/4		1/4	
1/2	89,591	1/2	73,851	1/2	58,110	1/2	42,424	1/2	26,736	1/2	10,997	1/2		1/2		1/2		1/2	
3/4	89,263	3/4	73,523	3/4	57,782	3/4	42,098	3/4	26,409	3/4	10,669	3/4		3/4		3/4		3/4	
8	88,935	8	73,195	8	57,454	8	41,773	8	26,081	8	10,341	8		8		8		8	
1/4	88,607	1/4	72,867	1/4	57,127	1/4	41,448	1/4	25,753	1/4	10,013	1/4		1/4		1/4		1/4	
1/2	88,279	1/2	72,539	1/2	56,799	1/2	41,123	1/2	25,425	1/2	9,685	1/2		1/2		1/2		1/2	
3/4	87,951	3/4	72,211	3/4	56,471	3/4	40,798	3/4	25,097	3/4	9,357	3/4		3/4		3/4		3/4	
9	87,623	9	71,883	9	56,143	9	40,472	9	24,769	9	9,029	9		9		9		9	
1/4	87,295	1/4	71,555	1/4	55,815	1/4	40,147	1/4	24,441	1/4	8,701	1/4		1/4		1/4		1/4	
1/2	86,967	1/2	71,227	1/2	55,487	1/2	39,822	1/2	24,113	1/2	8,373	1/2		1/2		1/2		1/2	
3/4	86,639	3/4	70,899	3/4	55,159	3/4	39,497	3/4	23,785	3/4	8,045	3/4		3/4		3/4		3/4	
10	86,312	10	70,571	10	54,831	10	39,172	10	23,457	10	7,718	10		10		10		10	
1/4	85,984	1/4	70,243	1/4	54,503	1/4	38,846	1/4	23,129	1/4	7,390	1/4		1/4		1/4		1/4	
1/2	85,656	1/2	69,915	1/2	54,175	1/2	38,521	1/2	22,802	1/2	7,062	1/2		1/2		1/2		1/2	
3/4	85,328	3/4	69,588	3/4	53,847	3/4	38,196	3/4	22,474	3/4	6,734	3/4		3/4		3/4		3/4	
11	85,000	11	69,260	11	53,519	11	37,870	11	22,146	11	6,406	11		11		11		11	
1/4	84,672	1/4	68,932	1/4	53,191	1/4	37,545	1/4	21,818	1/4	6,078	1/4		1/4		1/4		1/4	
1/2	84,344	1/2	68,604	1/2	52,864	1/2	37,219	1/2	21,490	1/2	5,750	1/2		1/2		1/2		1/2	
3/4	84,016	3/4	68,276	3/4	52,536	3/4	36,893	3/4	21,162	3/4	5,423	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/11/2013 CL
CALCULATED: 12/12/2013 CL
PRINTED: 12/16/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "CBC 318"

1 STBD
OUTAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

Gauge Height 16'-05"

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	210,820	0	195,167	0	179,514	0	163,795	0	148,055	0	132,314	0	116,570
1/4		1/4		1/4		1/4	210,494	1/4	194,841	1/4	179,188	1/4	163,467	1/4	147,727	1/4	131,986	1/4	116,242
1/2		1/2		1/2		1/2	210,167	1/2	194,515	1/2	178,862	1/2	163,139	1/2	147,399	1/2	131,658	1/2	115,914
3/4		3/4		3/4		3/4	209,841	3/4	194,189	3/4	178,536	3/4	162,811	3/4	147,071	3/4	131,330	3/4	115,586
1		1		1		1	209,515	1	193,863	1	178,210	1	162,483	1	146,743	1	131,002	1	115,258
1/4		1/4		1/4		1/4	209,189	1/4	193,536	1/4	177,884	1/4	162,155	1/4	146,415	1/4	130,674	1/4	114,930
1/2		1/2		1/2	223,426	1/2	208,863	1/2	193,210	1/2	177,558	1/2	161,827	1/2	146,087	1/2	130,346	1/2	114,602
3/4		3/4		3/4	223,260	3/4	208,537	3/4	192,884	3/4	177,232	3/4	161,500	3/4	145,759	3/4	130,018	3/4	114,274
2		2		2	223,095	2	208,211	2	192,558	2	176,905	2	161,172	2	145,431	2	129,690	2	113,946
1/4		1/4		1/4	222,875	1/4	207,885	1/4	192,232	1/4	176,579	1/4	160,844	1/4	145,103	1/4	129,362	1/4	113,618
1/2		1/2		1/2	222,654	1/2	207,559	1/2	191,906	1/2	176,253	1/2	160,516	1/2	144,776	1/2	129,034	1/2	113,290
3/4		3/4		3/4	222,434	3/4	207,233	3/4	191,580	3/4	175,926	3/4	160,188	3/4	144,448	3/4	128,706	3/4	112,962
3		3		3	222,214	3	206,906	3	191,254	3	175,600	3	159,860	3	144,120	3	128,378	3	112,634
1/4		1/4		1/4	221,940	1/4	206,580	1/4	190,928	1/4	175,272	1/4	159,532	1/4	143,792	1/4	128,050	1/4	112,306
1/2		1/2		1/2	221,667	1/2	206,254	1/2	190,602	1/2	174,944	1/2	159,204	1/2	143,464	1/2	127,722	1/2	111,978
3/4		3/4		3/4	221,393	3/4	205,928	3/4	190,275	3/4	174,616	3/4	158,876	3/4	143,136	3/4	127,394	3/4	111,650
4		4		4	221,119	4	205,602	4	189,949	4	174,288	4	158,548	4	142,808	4	127,066	4	111,322
1/4		1/4		1/4	220,805	1/4	205,276	1/4	189,623	1/4	173,961	1/4	158,220	1/4	142,480	1/4	126,738	1/4	110,994
1/2		1/2		1/2	220,491	1/2	204,950	1/2	189,297	1/2	173,633	1/2	157,892	1/2	142,152	1/2	126,410	1/2	110,666
3/4		3/4		3/4	220,177	3/4	204,624	3/4	188,971	3/4	173,305	3/4	157,564	3/4	141,824	3/4	126,082	3/4	110,338
5		5		5	219,863	5	204,298	5	188,645	5	172,977	5	157,237	5	141,496	5	125,754	5	110,010
1/4		1/4		1/4	219,543	1/4	203,972	1/4	188,319	1/4	172,649	1/4	156,909	1/4	141,168	1/4	125,426	1/4	109,682
1/2		1/2		1/2	219,223	1/2	203,645	1/2	187,993	1/2	172,321	1/2	156,581	1/2	140,841	1/2	125,098	1/2	109,354
3/4		3/4		3/4	218,903	3/4	203,319	3/4	187,667	3/4	171,993	3/4	156,253	3/4	140,513	3/4	124,770	3/4	109,026
6		6		6	218,583	6	202,993	6	187,341	6	171,665	6	155,925	6	140,185	6	124,442	6	108,698
1/4		1/4		1/4	218,261	1/4	202,667	1/4	187,014	1/4	171,337	1/4	155,597	1/4	139,857	1/4	124,114	1/4	108,370
1/2		1/2		1/2	217,940	1/2	202,341	1/2	186,688	1/2	171,009	1/2	155,269	1/2	139,529	1/2	123,786	1/2	108,042
3/4		3/4		3/4	217,619	3/4	202,015	3/4	186,362	3/4	170,681	3/4	154,941	3/4	139,201	3/4	123,458	3/4	107,714
7		7		7	217,298	7	201,689	7	186,036	7	170,353	7	154,613	7	138,873	7	123,130	7	107,386
1/4		1/4		1/4	216,976	1/4	201,363	1/4	185,710	1/4	170,025	1/4	154,285	1/4	138,545	1/4	122,802	1/4	107,058
1/2		1/2		1/2	216,654	1/2	201,037	1/2	185,384	1/2	169,698	1/2	153,957	1/2	138,217	1/2	122,474	1/2	106,730
3/4		3/4		3/4	216,332	3/4	200,711	3/4	185,058	3/4	169,370	3/4	153,629	3/4	137,889	3/4	122,146	3/4	106,402
8		8		8	216,010	8	200,384	8	184,732	8	169,042	8	153,302	8	137,561	8	121,818	8	106,074
1/4		1/4		1/4	215,688	1/4	200,058	1/4	184,406	1/4	168,714	1/4	152,974	1/4	137,233	1/4	121,490	1/4	105,746
1/2		1/2		1/2	215,365	1/2	199,732	1/2	184,080	1/2	168,386	1/2	152,646	1/2	136,905	1/2	121,162	1/2	105,418
3/4		3/4		3/4	215,043	3/4	199,406	3/4	183,754	3/4	168,058	3/4	152,318	3/4	136,578	3/4	120,834	3/4	105,090
9		9		9	214,720	9	199,080	9	183,427	9	167,730	9	151,990	9	136,250	9	120,506	9	104,762
1/4		1/4		1/4	214,397	1/4	198,754	1/4	183,101	1/4	167,402	1/4	151,662	1/4	135,922	1/4	120,178	1/4	104,434
1/2		1/2		1/2	214,074	1/2	198,428	1/2	182,775	1/2	167,074	1/2	151,334	1/2	135,594	1/2	119,850	1/2	104,106
3/4		3/4		3/4	213,751	3/4	198,102	3/4	182,449	3/4	166,746	3/4	151,006	3/4	135,266	3/4	119,522	3/4	103,778
10		10		10	213,428	10	197,776	10	182,123	10	166,418	10	150,678	10	134,938	10	119,194	10	103,450
1/4		1/4		1/4	213,102	1/4	197,450	1/4	181,797	1/4	166,090	1/4	150,350	1/4	134,610	1/4	118,866	1/4	103,122
1/2		1/2		1/2	212,776	1/2	197,124	1/2	181,471	1/2	165,763	1/2	150,022	1/2	134,282	1/2	118,538	1/2	102,794
3/4		3/4		3/4	212,450	3/4	196,797	3/4	181,145	3/4	165,435	3/4	149,694	3/4	133,954	3/4	118,210	3/4	102,466
11		11		11	212,124	11	196,471	11	180,819	11	165,107	11	149,366	11	133,626	11	117,882	11	102,138
1/4		1/4		1/4	211,798	1/4	196,145	1/4	180,493	1/4	164,779	1/4	149,039	1/4	133,298	1/4	117,554	1/4	101,810
1/2		1/2		1/2	211,472	1/2	195,819	1/2	180,166	1/2	164,451	1/2	148,711	1/2	132,970	1/2	117,226	1/2	101,482
3/4		3/4		3/4	211,146	3/4	195,493	3/4	179,840	3/4	164,123	3/4	148,383	3/4	132,642	3/4	116,898	3/4	101,154

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 T ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 318"

1 STBD
OUTAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-05"

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	100,826	0	85,082	0	69,338	0	53,594	0	37,888	0	22,152	0	6,408	0		0		0	
1/4	100,498	1/4	84,754	1/4	69,010	1/4	53,266	1/4	37,560	1/4	21,824	1/4	6,080	1/4	1/4	1/4		1/4	
1/2	100,170	1/2	84,426	1/2	68,682	1/2	52,938	1/2	37,233	1/2	21,496	1/2	5,753	1/2	1/2	1/2	1/2	1/2	1/2
3/4	99,842	3/4	84,098	3/4	68,354	3/4	52,610	3/4	36,905	3/4	21,168	3/4	5,425	3/4	3/4	3/4	3/4	3/4	3/4
1	99,514	1	83,770	1	68,026	1	52,282	1	36,578	1	20,840	1	5,097	1	1	1		1	
1/4	99,186	1/4	83,442	1/4	67,698	1/4	51,954	1/4	36,250	1/4	20,512	1/4	4,769	1/4	1/4	1/4		1/4	
1/2	98,858	1/2	83,114	1/2	67,370	1/2	51,626	1/2	35,923	1/2	20,184	1/2	4,442	1/2	1/2	1/2	1/2	1/2	1/2
3/4	98,530	3/4	82,786	3/4	67,042	3/4	51,298	3/4	35,595	3/4	19,856	3/4	4,115	3/4	3/4	3/4	3/4	3/4	3/4
2	98,202	2	82,458	2	66,714	2	50,970	2	35,268	2	19,528	2	3,787	2	2	2		2	
1/4	97,874	1/4	82,130	1/4	66,386	1/4	50,643	1/4	34,940	1/4	19,200	1/4	3,466	1/4	1/4	1/4		1/4	
1/2	97,546	1/2	81,802	1/2	66,058	1/2	50,315	1/2	34,613	1/2	18,872	1/2	3,144	1/2	1/2	1/2	1/2	1/2	1/2
3/4	97,218	3/4	81,474	3/4	65,730	3/4	49,988	3/4	34,285	3/4	18,544	3/4	2,823	3/4	3/4	3/4	3/4	3/4	3/4
3	96,890	3	81,146	3	65,402	3	49,660	3	33,958	3	18,216	3	2,501	3	3	3		3	
1/4	96,562	1/4	80,818	1/4	65,074	1/4	49,332	1/4	33,630	1/4	17,888	1/4	2,225	1/4	1/4	1/4		1/4	
1/2	96,234	1/2	80,490	1/2	64,746	1/2	49,005	1/2	33,303	1/2	17,560	1/2	1,948	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,906	3/4	80,162	3/4	64,418	3/4	48,677	3/4	32,975	3/4	17,232	3/4	1,671	3/4	3/4	3/4	3/4	3/4	3/4
4	95,578	4	79,834	4	64,090	4	48,350	4	32,647	4	16,904	4	1,395	4	4	4		4	
1/4	95,250	1/4	79,506	1/4	63,762	1/4	48,022	1/4	32,319	1/4	16,576	1/4	1,200	1/4	1/4	1/4		1/4	
1/2	94,922	1/2	79,178	1/2	63,434	1/2	47,695	1/2	31,991	1/2	16,248	1/2	1,005	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,594	3/4	78,850	3/4	63,106	3/4	47,368	3/4	31,664	3/4	15,920	3/4	810	3/4	3/4	3/4	3/4	3/4	3/4
5	94,266	5	78,522	5	62,778	5	47,041	5	31,336	5	15,592	5	615	5	5	5		5	
1/4	93,938	1/4	78,194	1/4	62,450	1/4	46,713	1/4	31,008	1/4	15,264	1/4		1/4	1/4	1/4		1/4	
1/2	93,610	1/2	77,866	1/2	62,122	1/2	46,386	1/2	30,680	1/2	14,936	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,282	3/4	77,538	3/4	61,794	3/4	46,059	3/4	30,352	3/4	14,608	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	92,954	6	77,210	6	61,466	6	45,732	6	30,024	6	14,280	6		6	6	6		6	
1/4	92,626	1/4	76,882	1/4	61,138	1/4	45,405	1/4	29,696	1/4	13,952	1/4		1/4	1/4	1/4		1/4	
1/2	92,298	1/2	76,554	1/2	60,810	1/2	45,078	1/2	29,368	1/2	13,624	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,970	3/4	76,226	3/4	60,482	3/4	44,751	3/4	29,040	3/4	13,296	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	91,642	7	75,898	7	60,154	7	44,424	7	28,712	7	12,968	7		7	7	7		7	
1/4	91,314	1/4	75,570	1/4	59,826	1/4	44,098	1/4	28,384	1/4	12,640	1/4		1/4	1/4	1/4		1/4	
1/2	90,986	1/2	75,242	1/2	59,498	1/2	43,771	1/2	28,056	1/2	12,312	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,658	3/4	74,914	3/4	59,170	3/4	43,444	3/4	27,728	3/4	11,984	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	90,330	8	74,586	8	58,842	8	43,117	8	27,400	8	11,656	8		8	8	8		8	
1/4	90,002	1/4	74,258	1/4	58,514	1/4	42,790	1/4	27,072	1/4	11,328	1/4		1/4	1/4	1/4		1/4	
1/2	89,674	1/2	73,930	1/2	58,186	1/2	42,464	1/2	26,744	1/2	11,000	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,346	3/4	73,602	3/4	57,858	3/4	42,137	3/4	26,416	3/4	10,672	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	89,018	9	73,274	9	57,530	9	41,810	9	26,088	9	10,344	9		9	9	9		9	
1/4	88,690	1/4	72,946	1/4	57,202	1/4	41,483	1/4	25,760	1/4	10,016	1/4		1/4	1/4	1/4		1/4	
1/2	88,362	1/2	72,618	1/2	56,874	1/2	41,156	1/2	25,432	1/2	9,688	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,034	3/4	72,290	3/4	56,546	3/4	40,830	3/4	25,104	3/4	9,360	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	87,706	10	71,962	10	56,218	10	40,503	10	24,776	10	9,032	10		10	10	10		10	
1/4	87,378	1/4	71,634	1/4	55,890	1/4	40,176	1/4	24,448	1/4	8,704	1/4		1/4	1/4	1/4		1/4	
1/2	87,050	1/2	71,306	1/2	55,562	1/2	39,849	1/2	24,120	1/2	8,376	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,722	3/4	70,978	3/4	55,234	3/4	39,522	3/4	23,792	3/4	8,048	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	86,394	11	70,650	11	54,906	11	39,196	11	23,464	11	7,720	11		11	11	11		11	
1/4	86,066	1/4	70,322	1/4	54,578	1/4	38,869	1/4	23,136	1/4	7,392	1/4		1/4	1/4	1/4		1/4	
1/2	85,738	1/2	69,994	1/2	54,250	1/2	38,542	1/2	22,808	1/2	7,064	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,410	3/4	69,666	3/4	53,922	3/4	38,215	3/4	22,480	3/4	6,736	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/11/2013 CL
CALCULATED: 12/12/2013 CL
PRINTED: 12/16/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

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



BARGE "CBC 318"

2 PORT OUTAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	204,926	0	189,626	0	174,325	0	158,953	0	143,565	0	128,176	0	112,784
1/4		1/4		1/4		1/4	204,607	1/4	189,307	1/4	174,006	1/4	158,632	1/4	143,244	1/4	127,855	1/4	112,464
1/2		1/2		1/2		1/2	204,288	1/2	188,988	1/2	173,688	1/2	158,312	1/2	142,924	1/2	127,535	1/2	112,143
3/4		3/4		3/4		3/4	218,202	3/4	203,970	3/4	188,669	3/4	173,369	3/4	157,991	3/4	142,603	3/4	111,822
1		1		1		1	218,040	1	203,651	1	188,351	1	173,050	1	157,670	1	142,282	1	126,893
1/4		1/4		1/4		1/4	217,879	1/4	203,332	1/4	188,032	1/4	172,731	1/4	157,350	1/4	141,962	1/4	126,573
1/2		1/2		1/2		1/2	217,663	1/2	203,013	1/2	187,713	1/2	172,412	1/2	157,029	1/2	141,641	1/2	126,252
3/4		3/4		3/4		3/4	217,448	3/4	202,695	3/4	187,394	3/4	172,093	3/4	156,709	3/4	141,321	3/4	125,931
2		2		2		2	217,233	2	202,376	2	187,076	2	171,774	2	156,388	2	141,000	2	125,611
1/4		1/4		1/4		1/4	217,018	1/4	202,057	1/4	186,757	1/4	171,455	1/4	156,067	1/4	140,680	1/4	125,290
1/2		1/2		1/2		1/2	216,750	1/2	201,738	1/2	186,438	1/2	171,135	1/2	155,747	1/2	140,359	1/2	124,969
3/4		3/4		3/4		3/4	216,483	3/4	201,420	3/4	186,119	3/4	170,814	3/4	155,426	3/4	140,038	3/4	124,649
3		3		3		3	216,215	3	201,101	3	185,800	3	170,494	3	155,106	3	139,718	3	124,328
1/4		1/4		1/4		1/4	215,948	1/4	200,782	1/4	185,482	1/4	170,173	1/4	154,785	1/4	139,397	1/4	124,007
1/2		1/2		1/2		1/2	215,641	1/2	200,463	1/2	185,163	1/2	169,853	1/2	154,465	1/2	139,077	1/2	123,687
3/4		3/4		3/4		3/4	215,334	3/4	200,145	3/4	184,844	3/4	169,532	3/4	154,144	3/4	138,756	3/4	123,366
4		4		4		4	215,027	4	199,826	4	184,525	4	169,211	4	153,823	4	138,435	4	123,045
1/4		1/4		1/4		1/4	214,720	1/4	199,507	1/4	184,207	1/4	168,891	1/4	153,503	1/4	138,115	1/4	122,725
1/2		1/2		1/2		1/2	214,407	1/2	199,188	1/2	183,888	1/2	168,570	1/2	153,182	1/2	137,794	1/2	122,404
3/4		3/4		3/4		3/4	214,095	3/4	198,870	3/4	183,569	3/4	168,250	3/4	152,862	3/4	137,474	3/4	122,083
5		5		5		5	213,782	5	198,551	5	183,250	5	167,929	5	152,541	5	137,153	5	121,763
1/4		1/4		1/4		1/4	213,469	1/4	198,232	1/4	182,932	1/4	167,608	1/4	152,221	1/4	136,833	1/4	121,442
1/2		1/2		1/2		1/2	213,155	1/2	197,913	1/2	182,613	1/2	167,288	1/2	151,900	1/2	136,512	1/2	121,121
3/4		3/4		3/4		3/4	212,841	3/4	197,595	3/4	182,294	3/4	166,967	3/4	151,579	3/4	136,191	3/4	120,801
6		6		6		6	212,528	6	197,276	6	181,975	6	166,647	6	151,259	6	135,871	6	120,480
1/4		1/4		1/4		1/4	212,214	1/4	196,957	1/4	181,657	1/4	166,326	1/4	150,938	1/4	135,550	1/4	120,159
1/2		1/2		1/2		1/2	211,899	1/2	196,638	1/2	181,338	1/2	166,006	1/2	150,618	1/2	135,230	1/2	119,839
3/4		3/4		3/4		3/4	211,584	3/4	196,319	3/4	181,019	3/4	165,685	3/4	150,297	3/4	134,909	3/4	119,518
7		7		7		7	211,270	7	196,001	7	180,700	7	165,364	7	149,976	7	134,588	7	119,197
1/4		1/4		1/4		1/4	210,955	1/4	195,682	1/4	180,382	1/4	165,044	1/4	149,656	1/4	134,268	1/4	118,877
1/2		1/2		1/2		1/2	210,640	1/2	195,363	1/2	180,063	1/2	164,723	1/2	149,335	1/2	133,947	1/2	118,556
3/4		3/4		3/4		3/4	210,325	3/4	195,044	3/4	179,744	3/4	164,403	3/4	149,015	3/4	133,627	3/4	118,235
8		8		8		8	210,010	8	194,726	8	179,425	8	164,082	8	148,694	8	133,306	8	117,915
1/4		1/4		1/4		1/4	209,695	1/4	194,407	1/4	179,107	1/4	163,761	1/4	148,374	1/4	132,986	1/4	117,594
1/2		1/2		1/2		1/2	209,379	1/2	194,088	1/2	178,788	1/2	163,441	1/2	148,053	1/2	132,665	1/2	117,273
3/4		3/4		3/4		3/4	209,064	3/4	193,769	3/4	178,469	3/4	163,120	3/4	147,732	3/4	132,344	3/4	116,953
9		9		9		9	208,748	9	193,451	9	178,150	9	162,800	9	147,412	9	132,024	9	116,632
1/4		1/4		1/4		1/4	208,432	1/4	193,132	1/4	177,832	1/4	162,479	1/4	147,091	1/4	131,703	1/4	116,311
1/2		1/2		1/2		1/2	208,114	1/2	192,813	1/2	177,513	1/2	162,159	1/2	146,771	1/2	131,382	1/2	115,991
3/4		3/4		3/4		3/4	207,795	3/4	192,494	3/4	177,194	3/4	161,838	3/4	146,450	3/4	131,062	3/4	115,670
10		10		10		10	207,476	10	192,176	10	176,875	10	161,517	10	146,129	10	130,741	10	115,349
1/4		1/4		1/4		1/4	207,157	1/4	191,857	1/4	176,557	1/4	161,197	1/4	145,809	1/4	130,421	1/4	115,029
1/2		1/2		1/2		1/2	206,838	1/2	191,538	1/2	176,238	1/2	160,876	1/2	145,488	1/2	130,100	1/2	114,708
3/4		3/4		3/4		3/4	206,520	3/4	191,219	3/4	175,919	3/4	160,556	3/4	145,168	3/4	129,779	3/4	114,387
11		11		11		11	206,201	11	190,901	11	175,600	11	160,235	11	144,847	11	129,459	11	114,067
1/4		1/4		1/4		1/4	205,882	1/4	190,582	1/4	175,281	1/4	159,914	1/4	144,527	1/4	129,138	1/4	113,746
1/2		1/2		1/2		1/2	205,563	1/2	190,263	1/2	174,963	1/2	159,594	1/2	144,206	1/2	128,817	1/2	113,425
3/4		3/4		3/4		3/4	205,245	3/4	189,944	3/4	174,644	3/4	159,273	3/4	143,885	3/4	128,497	3/4	113,105

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 T ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 318"

2 PORT OUTAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	97,392	0	82,001	0	66,609	0	51,217	0	36,085	0	20,694	0	5,303	0		0		0	
1/4	97,072	1/4	81,680	1/4	66,288	1/4	50,897	1/4	35,765	1/4	20,373	1/4	4,983	1/4	1/4		1/4	1/4	
1/2	96,751	1/2	81,359	1/2	65,968	1/2	50,577	1/2	35,444	1/2	20,053	1/2	4,663	1/2	1/2		1/2	1/2	
3/4	96,430	3/4	81,039	3/4	65,647	3/4	50,257	3/4	35,123	3/4	19,732	3/4	4,342	3/4	3/4		3/4	3/4	
1	96,110	1	80,718	1	65,326	1	49,937	1	34,803	1	19,411	1	4,022	1		1		1	
1/4	95,789	1/4	80,397	1/4	65,006	1/4	49,617	1/4	34,482	1/4	19,091	1/4	3,702	1/4	1/4		1/4	1/4	
1/2	95,468	1/2	80,077	1/2	64,685	1/2	49,303	1/2	34,161	1/2	18,770	1/2	3,388	1/2	1/2		1/2	1/2	
3/4	95,148	3/4	79,756	3/4	64,364	3/4	48,988	3/4	33,841	3/4	18,449	3/4	3,074	3/4	3/4		3/4	3/4	
2	94,827	2	79,435	2	64,044	2	48,674	2	33,520	2	18,129	2	2,759	2		2		2	
1/4	94,507	1/4	79,115	1/4	63,723	1/4	48,359	1/4	33,199	1/4	17,808	1/4	2,445	1/4	1/4		1/4	1/4	
1/2	94,186	1/2	78,794	1/2	63,402	1/2	48,045	1/2	32,879	1/2	17,488	1/2	2,175	1/2	1/2		1/2	1/2	
3/4	93,865	3/4	78,473	3/4	63,082	3/4	47,731	3/4	32,558	3/4	17,167	3/4	1,904	3/4	3/4		3/4	3/4	
3	93,545	3	78,153	3	62,761	3	47,416	3	32,238	3	16,846	3	1,634	3		3		3	
1/4	93,224	1/4	77,832	1/4	62,440	1/4	47,102	1/4	31,917	1/4	16,526	1/4	1,363	1/4	1/4		1/4	1/4	
1/2	92,903	1/2	77,511	1/2	62,120	1/2	46,788	1/2	31,596	1/2	16,205	1/2	1,173	1/2	1/2		1/2	1/2	
3/4	92,583	3/4	77,191	3/4	61,799	3/4	46,474	3/4	31,276	3/4	15,884	3/4	982	3/4	3/4		3/4	3/4	
4	92,262	4	76,870	4	61,478	4	46,159	4	30,955	4	15,564	4	792	4		4		4	
1/4	91,941	1/4	76,550	1/4	61,158	1/4	45,845	1/4	30,634	1/4	15,243	1/4	602	1/4	1/4		1/4	1/4	
1/2	91,621	1/2	76,229	1/2	60,837	1/2	45,531	1/2	30,314	1/2	14,922	1/2		1/2	1/2		1/2	1/2	
3/4	91,300	3/4	75,908	3/4	60,516	3/4	45,217	3/4	29,993	3/4	14,602	3/4		3/4	3/4		3/4	3/4	
5	90,979	5	75,588	5	60,196	5	44,903	5	29,672	5	14,281	5		5		5		5	
1/4	90,659	1/4	75,267	1/4	59,875	1/4	44,589	1/4	29,352	1/4	13,960	1/4		1/4	1/4		1/4	1/4	
1/2	90,338	1/2	74,946	1/2	59,554	1/2	44,275	1/2	29,031	1/2	13,640	1/2		1/2	1/2		1/2	1/2	
3/4	90,017	3/4	74,626	3/4	59,234	3/4	43,961	3/4	28,710	3/4	13,319	3/4		3/4	3/4		3/4	3/4	
6	89,697	6	74,305	6	58,913	6	43,647	6	28,390	6	12,998	6		6		6		6	
1/4	89,376	1/4	73,984	1/4	58,593	1/4	43,333	1/4	28,069	1/4	12,678	1/4		1/4	1/4		1/4	1/4	
1/2	89,055	1/2	73,664	1/2	58,272	1/2	43,018	1/2	27,748	1/2	12,357	1/2		1/2	1/2		1/2	1/2	
3/4	88,735	3/4	73,343	3/4	57,951	3/4	42,704	3/4	27,428	3/4	12,036	3/4		3/4	3/4		3/4	3/4	
7	88,414	7	73,022	7	57,631	7	42,390	7	27,107	7	11,716	7		7		7		7	
1/4	88,093	1/4	72,702	1/4	57,310	1/4	42,076	1/4	26,786	1/4	11,395	1/4		1/4	1/4		1/4	1/4	
1/2	87,773	1/2	72,381	1/2	56,989	1/2	41,762	1/2	26,466	1/2	11,075	1/2		1/2	1/2		1/2	1/2	
3/4	87,452	3/4	72,060	3/4	56,669	3/4	41,448	3/4	26,145	3/4	10,754	3/4		3/4	3/4		3/4	3/4	
8	87,131	8	71,740	8	56,348	8	41,134	8	25,824	8	10,433	8		8		8		8	
1/4	86,811	1/4	71,419	1/4	56,027	1/4	40,820	1/4	25,504	1/4	10,113	1/4		1/4	1/4		1/4	1/4	
1/2	86,490	1/2	71,098	1/2	55,707	1/2	40,506	1/2	25,183	1/2	9,792	1/2		1/2	1/2		1/2	1/2	
3/4	86,169	3/4	70,778	3/4	55,386	3/4	40,192	3/4	24,863	3/4	9,471	3/4		3/4	3/4		3/4	3/4	
9	85,849	9	70,457	9	55,065	9	39,877	9	24,542	9	9,151	9		9		9		9	
1/4	85,528	1/4	70,136	1/4	54,745	1/4	39,563	1/4	24,221	1/4	8,830	1/4		1/4	1/4		1/4	1/4	
1/2	85,207	1/2	69,816	1/2	54,424	1/2	39,249	1/2	23,901	1/2	8,509	1/2		1/2	1/2		1/2	1/2	
3/4	84,887	3/4	69,495	3/4	54,103	3/4	38,935	3/4	23,580	3/4	8,189	3/4		3/4	3/4		3/4	3/4	
10	84,566	10	69,174	10	53,783	10	38,621	10	23,259	10	7,868	10		10		10		10	
1/4	84,245	1/4	68,854	1/4	53,462	1/4	38,307	1/4	22,939	1/4	7,547	1/4		1/4	1/4		1/4	1/4	
1/2	83,925	1/2	68,533	1/2	53,141	1/2	37,992	1/2	22,618	1/2	7,227	1/2		1/2	1/2		1/2	1/2	
3/4	83,604	3/4	68,212	3/4	52,821	3/4	37,677	3/4	22,297	3/4	6,906	3/4		3/4	3/4		3/4	3/4	
11	83,283	11	67,892	11	52,500	11	37,362	11	21,977	11	6,585	11		11		11		11	
1/4	82,963	1/4	67,571	1/4	52,179	1/4	37,047	1/4	21,656	1/4	6,265	1/4		1/4	1/4		1/4	1/4	
1/2	82,642	1/2	67,250	1/2	51,859	1/2	36,727	1/2	21,335	1/2	5,944	1/2		1/2	1/2		1/2	1/2	
3/4	82,321	3/4	66,930	3/4	51,538	3/4	36,406	3/4	21,015	3/4	5,624	3/4		3/4	3/4		3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/11/2013 CL
CALCULATED: 12/12/2013 CL
PRINTED: 12/16/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

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



BARGE "CBC 318"

2 STBD OUTAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	205,117	0	189,820	0	174,524	0	159,157	0	143,772	0	128,387	0	112,999
1/4		1/4		1/4		1/4	204,798	1/4	189,501	1/4	174,205	1/4	158,836	1/4	143,452	1/4	128,067	1/4	112,679
1/2		1/2		1/2		1/2	204,479	1/2	189,183	1/2	173,886	1/2	158,516	1/2	143,131	1/2	127,746	1/2	112,358
3/4		3/4		3/4		3/4	204,161	3/4	188,864	3/4	173,567	3/4	158,195	3/4	142,811	3/4	127,426	3/4	112,038
1		1		1	218,071	1	203,842	1	188,545	1	173,249	1	157,875	1	142,490	1	127,105	1	111,717
1/4		1/4		1/4	217,909	1/4	203,523	1/4	188,227	1/4	172,930	1/4	157,554	1/4	142,170	1/4	126,784	1/4	111,396
1/2		1/2		1/2	217,748	1/2	203,205	1/2	187,908	1/2	172,611	1/2	157,234	1/2	141,849	1/2	126,464	1/2	111,076
3/4		3/4		3/4	217,532	3/4	202,886	3/4	187,589	3/4	172,293	3/4	156,913	3/4	141,529	3/4	126,143	3/4	110,755
2		2		2	217,317	2	202,567	2	187,271	2	171,974	2	156,593	2	141,208	2	125,823	2	110,435
1/4		1/4		1/4	217,102	1/4	202,249	1/4	186,952	1/4	171,655	1/4	156,272	1/4	140,888	1/4	125,502	1/4	110,114
1/2		1/2		1/2	216,887	1/2	201,930	1/2	186,633	1/2	171,336	1/2	155,952	1/2	140,567	1/2	125,181	1/2	109,793
3/4		3/4		3/4	216,620	3/4	201,611	3/4	186,315	3/4	171,015	3/4	155,631	3/4	140,247	3/4	124,861	3/4	109,473
3		3		3	216,352	3	201,293	3	185,996	3	170,695	3	155,311	3	139,926	3	124,540	3	109,152
1/4		1/4		1/4	216,085	1/4	200,974	1/4	185,677	1/4	170,374	1/4	154,990	1/4	139,606	1/4	124,220	1/4	108,832
1/2		1/2		1/2	215,817	1/2	200,655	1/2	185,359	1/2	170,054	1/2	154,670	1/2	139,285	1/2	123,899	1/2	108,511
3/4		3/4		3/4	215,511	3/4	200,337	3/4	185,040	3/4	169,733	3/4	154,349	3/4	138,965	3/4	123,579	3/4	108,191
4		4		4	215,204	4	200,018	4	184,721	4	169,413	4	154,029	4	138,644	4	123,258	4	107,870
1/4		1/4		1/4	214,897	1/4	199,699	1/4	184,403	1/4	169,092	1/4	153,708	1/4	138,324	1/4	122,937	1/4	107,549
1/2		1/2		1/2	214,590	1/2	199,381	1/2	184,084	1/2	168,772	1/2	153,388	1/2	138,003	1/2	122,617	1/2	107,229
3/4		3/4		3/4	214,277	3/4	199,062	3/4	183,765	3/4	168,451	3/4	153,067	3/4	137,683	3/4	122,296	3/4	106,908
5		5		5	213,965	5	198,743	5	183,447	5	168,131	5	152,746	5	137,362	5	121,976	5	106,588
1/4		1/4		1/4	213,652	1/4	198,425	1/4	183,128	1/4	167,810	1/4	152,426	1/4	137,042	1/4	121,655	1/4	106,267
1/2		1/2		1/2	213,339	1/2	198,106	1/2	182,809	1/2	167,490	1/2	152,105	1/2	136,721	1/2	121,334	1/2	105,946
3/4		3/4		3/4	213,026	3/4	197,787	3/4	182,491	3/4	167,169	3/4	151,785	3/4	136,401	3/4	121,014	3/4	105,626
6		6		6	212,712	6	197,469	6	182,172	6	166,849	6	151,464	6	136,080	6	120,693	6	105,305
1/4		1/4		1/4	212,398	1/4	197,150	1/4	181,853	1/4	166,528	1/4	151,144	1/4	135,760	1/4	120,373	1/4	104,985
1/2		1/2		1/2	212,084	1/2	196,831	1/2	181,534	1/2	166,208	1/2	150,823	1/2	135,439	1/2	120,052	1/2	104,664
3/4		3/4		3/4	211,770	3/4	196,512	3/4	181,216	3/4	165,887	3/4	150,503	3/4	135,119	3/4	119,732	3/4	104,344
7		7		7	211,455	7	196,194	7	180,897	7	165,567	7	150,182	7	134,798	7	119,411	7	104,023
1/4		1/4		1/4	211,140	1/4	195,875	1/4	180,578	1/4	165,246	1/4	149,862	1/4	134,478	1/4	119,090	1/4	103,702
1/2		1/2		1/2	210,826	1/2	195,556	1/2	180,260	1/2	164,926	1/2	149,541	1/2	134,157	1/2	118,770	1/2	103,382
3/4		3/4		3/4	210,511	3/4	195,238	3/4	179,941	3/4	164,605	3/4	149,221	3/4	133,837	3/4	118,449	3/4	103,061
8		8		8	210,196	8	194,919	8	179,622	8	164,285	8	148,900	8	133,516	8	118,129	8	102,741
1/4		1/4		1/4	209,881	1/4	194,600	1/4	179,304	1/4	163,964	1/4	148,580	1/4	133,196	1/4	117,808	1/4	102,420
1/2		1/2		1/2	209,566	1/2	194,282	1/2	178,985	1/2	163,644	1/2	148,259	1/2	132,875	1/2	117,487	1/2	102,099
3/4		3/4		3/4	209,250	3/4	193,963	3/4	178,666	3/4	163,323	3/4	147,939	3/4	132,555	3/4	117,167	3/4	101,779
9		9		9	208,935	9	193,644	9	178,348	9	163,003	9	147,618	9	132,234	9	116,846	9	101,458
1/4		1/4		1/4	208,619	1/4	193,326	1/4	178,029	1/4	162,682	1/4	147,298	1/4	131,914	1/4	116,526	1/4	101,138
1/2		1/2		1/2	208,304	1/2	193,007	1/2	177,710	1/2	162,362	1/2	146,977	1/2	131,593	1/2	116,205	1/2	100,817
3/4		3/4		3/4	207,985	3/4	192,688	3/4	177,392	3/4	162,041	3/4	146,657	3/4	131,273	3/4	115,885	3/4	100,497
10		10		10	207,666	10	192,370	10	177,073	10	161,721	10	146,336	10	130,952	10	115,564	10	100,176
1/4		1/4		1/4	207,348	1/4	192,051	1/4	176,754	1/4	161,400	1/4	146,016	1/4	130,631	1/4	115,243	1/4	99,855
1/2		1/2		1/2	207,029	1/2	191,732	1/2	176,436	1/2	161,080	1/2	145,695	1/2	130,311	1/2	114,923	1/2	99,535
3/4		3/4		3/4	206,710	3/4	191,414	3/4	176,117	3/4	160,759	3/4	145,375	3/4	129,990	3/4	114,602	3/4	99,214
11		11		11	206,392	11	191,095	11	175,798	11	160,439	11	145,054	11	129,670	11	114,282	11	98,894
1/4		1/4		1/4	206,073	1/4	190,776	1/4	175,480	1/4	160,118	1/4	144,734	1/4	129,349	1/4	113,961	1/4	98,573
1/2		1/2		1/2	205,754	1/2	190,458	1/2	175,161	1/2	159,798	1/2	144,413	1/2	129,028	1/2	113,640	1/2	98,252
3/4		3/4		3/4	205,436	3/4	190,139	3/4	174,842	3/4	159,477	3/4	144,093	3/4	128,708	3/4	113,320	3/4	97,932

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 T ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 318"

2 STBD
OUTAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	97,611	0	82,223	0	66,835	0	51,447	0	36,357	0	21,010	0	5,623	0		0		0	
1/4	97,291	1/4	81,903	1/4	66,515	1/4	51,127	1/4	36,044	1/4	20,690	1/4	5,303	1/4	1/4	1/4		1/4	
1/2	96,970	1/2	81,582	1/2	66,194	1/2	50,806	1/2	35,730	1/2	20,369	1/2	4,982	1/2	1/2	1/2	1/2	1/2	
3/4	96,650	3/4	81,262	3/4	65,874	3/4	50,486	3/4	35,416	3/4	20,049	3/4	4,662	3/4	3/4	3/4	3/4	3/4	
1	96,329	1	80,941	1	65,553	1	50,165	1	35,102	1	19,728	1	4,342	1		1		1	
1/4	96,008	1/4	80,620	1/4	65,232	1/4	49,845	1/4	34,788	1/4	19,407	1/4	4,022	1/4	1/4	1/4		1/4	
1/2	95,688	1/2	80,300	1/2	64,912	1/2	49,525	1/2	34,474	1/2	19,087	1/2	3,702	1/2	1/2	1/2	1/2	1/2	
3/4	95,367	3/4	79,979	3/4	64,591	3/4	49,206	3/4	34,154	3/4	18,766	3/4	3,388	3/4	3/4	3/4	3/4	3/4	
2	95,047	2	79,659	2	64,271	2	48,887	2	33,833	2	18,446	2	3,074	2		2		2	
1/4	94,726	1/4	79,338	1/4	63,950	1/4	48,569	1/4	33,513	1/4	18,125	1/4	2,759	1/4	1/4	1/4		1/4	
1/2	94,405	1/2	79,017	1/2	63,629	1/2	48,250	1/2	33,192	1/2	17,805	1/2	2,445	1/2	1/2	1/2	1/2	1/2	
3/4	94,085	3/4	78,697	3/4	63,309	3/4	47,932	3/4	32,872	3/4	17,484	3/4	2,175	3/4	3/4	3/4	3/4	3/4	
3	93,764	3	78,376	3	62,988	3	47,614	3	32,551	3	17,163	3	1,904	3		3		3	
1/4	93,444	1/4	78,056	1/4	62,668	1/4	47,296	1/4	32,230	1/4	16,843	1/4	1,634	1/4	1/4	1/4		1/4	
1/2	93,123	1/2	77,735	1/2	62,347	1/2	46,979	1/2	31,910	1/2	16,522	1/2	1,363	1/2	1/2	1/2	1/2	1/2	
3/4	92,803	3/4	77,415	3/4	62,027	3/4	46,666	3/4	31,589	3/4	16,202	3/4	1,173	3/4	3/4	3/4	3/4	3/4	
4	92,482	4	77,094	4	61,706	4	46,354	4	31,269	4	15,881	4	983	4		4		4	
1/4	92,161	1/4	76,773	1/4	61,385	1/4	46,041	1/4	30,948	1/4	15,561	1/4	792	1/4	1/4	1/4		1/4	
1/2	91,841	1/2	76,453	1/2	61,065	1/2	45,729	1/2	30,628	1/2	15,240	1/2	602	1/2	1/2	1/2	1/2	1/2	
3/4	91,520	3/4	76,132	3/4	60,744	3/4	45,417	3/4	30,307	3/4	14,919	3/4		3/4	3/4	3/4	3/4	3/4	
5	91,200	5	75,812	5	60,424	5	45,104	5	29,986	5	14,599	5		5		5		5	
1/4	90,879	1/4	75,491	1/4	60,103	1/4	44,792	1/4	29,666	1/4	14,278	1/4		1/4	1/4	1/4		1/4	
1/2	90,558	1/2	75,170	1/2	59,782	1/2	44,480	1/2	29,345	1/2	13,958	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	90,238	3/4	74,850	3/4	59,462	3/4	44,167	3/4	29,025	3/4	13,637	3/4		3/4	3/4	3/4	3/4	3/4	
6	89,917	6	74,529	6	59,141	6	43,855	6	28,704	6	13,317	6		6		6		6	
1/4	89,597	1/4	74,209	1/4	58,821	1/4	43,543	1/4	28,384	1/4	12,996	1/4		1/4	1/4	1/4		1/4	
1/2	89,276	1/2	73,888	1/2	58,500	1/2	43,230	1/2	28,063	1/2	12,675	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	88,956	3/4	73,568	3/4	58,180	3/4	42,918	3/4	27,742	3/4	12,355	3/4		3/4	3/4	3/4	3/4	3/4	
7	88,635	7	73,247	7	57,859	7	42,606	7	27,422	7	12,034	7		7		7		7	
1/4	88,314	1/4	72,926	1/4	57,538	1/4	42,293	1/4	27,101	1/4	11,714	1/4		1/4	1/4	1/4		1/4	
1/2	87,994	1/2	72,606	1/2	57,218	1/2	41,981	1/2	26,781	1/2	11,393	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	87,673	3/4	72,285	3/4	56,897	3/4	41,668	3/4	26,460	3/4	11,073	3/4		3/4	3/4	3/4	3/4	3/4	
8	87,353	8	71,965	8	56,577	8	41,356	8	26,139	8	10,752	8		8		8		8	
1/4	87,032	1/4	71,644	1/4	56,256	1/4	41,044	1/4	25,819	1/4	10,431	1/4		1/4	1/4	1/4		1/4	
1/2	86,711	1/2	71,323	1/2	55,936	1/2	40,731	1/2	25,498	1/2	10,111	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	86,391	3/4	71,003	3/4	55,615	3/4	40,419	3/4	25,178	3/4	9,790	3/4		3/4	3/4	3/4	3/4	3/4	
9	86,070	9	70,682	9	55,294	9	40,107	9	24,857	9	9,470	9		9		9		9	
1/4	85,750	1/4	70,362	1/4	54,974	1/4	39,794	1/4	24,537	1/4	9,149	1/4		1/4	1/4	1/4		1/4	
1/2	85,429	1/2	70,041	1/2	54,653	1/2	39,482	1/2	24,216	1/2	8,828	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	85,109	3/4	69,721	3/4	54,333	3/4	39,170	3/4	23,895	3/4	8,508	3/4		3/4	3/4	3/4	3/4	3/4	
10	84,788	10	69,400	10	54,012	10	38,857	10	23,575	10	8,187	10		10		10		10	
1/4	84,467	1/4	69,079	1/4	53,691	1/4	38,545	1/4	23,254	1/4	7,867	1/4		1/4	1/4	1/4		1/4	
1/2	84,147	1/2	68,759	1/2	53,371	1/2	38,233	1/2	22,934	1/2	7,546	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	83,826	3/4	68,438	3/4	53,050	3/4	37,920	3/4	22,613	3/4	7,226	3/4		3/4	3/4	3/4	3/4	3/4	
11	83,506	11	68,118	11	52,730	11	37,608	11	22,293	11	6,905	11		11		11		11	
1/4	83,185	1/4	67,797	1/4	52,409	1/4	37,295	1/4	21,972	1/4	6,585	1/4		1/4	1/4	1/4		1/4	
1/2	82,864	1/2	67,476	1/2	52,089	1/2	36,983	1/2	21,651	1/2	6,264	1/2		1/2	1/2	1/2	1/2	1/2	
3/4	82,544	3/4	67,156	3/4	51,768	3/4	36,670	3/4	21,331	3/4	5,943	3/4		3/4	3/4	3/4	3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/11/2013 CL
CALCULATED: 12/12/2013 CL
PRINTED: 12/16/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

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



BARGE "CBC 318"

3 PORT OUTAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	196,339	0	184,371	0	172,402	0	160,379	0	145,080	0	129,487	0	113,894
1/4		1/4		1/4		1/4	196,090	1/4	184,122	1/4	172,153	1/4	160,119	1/4	144,755	1/4	129,162	1/4	113,569
1/2		1/2		1/2		1/2	206,751	1/2	195,841	1/2	183,872	1/2	171,904	1/2	159,859	1/2	144,430	1/2	128,838
3/4		3/4		3/4		3/4	206,660	3/4	195,591	3/4	183,623	3/4	171,654	3/4	159,599	3/4	144,105	3/4	128,513
1		1		1		1	206,570	1	195,342	1	183,374	1	171,405	1	159,339	1	143,780	1	128,188
1/4		1/4		1/4		1/4	206,425	1/4	195,093	1/4	183,124	1/4	171,156	1/4	159,015	1/4	143,456	1/4	127,863
1/2		1/2		1/2		1/2	206,280	1/2	194,843	1/2	182,875	1/2	170,906	1/2	158,691	1/2	143,131	1/2	127,538
3/4		3/4		3/4		3/4	206,135	3/4	194,594	3/4	182,626	3/4	170,657	3/4	158,367	3/4	142,806	3/4	127,213
2		2		2		2	205,990	2	194,345	2	182,376	2	170,407	2	158,043	2	142,481	2	126,888
1/4		1/4		1/4		1/4	205,792	1/4	194,095	1/4	182,127	1/4	170,156	1/4	157,719	1/4	142,156	1/4	126,564
1/2		1/2		1/2		1/2	205,594	1/2	193,846	1/2	181,878	1/2	169,906	1/2	157,394	1/2	141,831	1/2	126,239
3/4		3/4		3/4		3/4	205,396	3/4	193,597	3/4	181,628	3/4	169,655	3/4	157,070	3/4	141,507	3/4	125,914
3		3		3		3	205,198	3	193,347	3	181,379	3	169,404	3	156,746	3	141,182	3	125,589
1/4		1/4		1/4		1/4	204,960	1/4	193,098	1/4	181,129	1/4	169,154	1/4	156,422	1/4	140,857	1/4	125,264
1/2		1/2		1/2		1/2	204,722	1/2	192,849	1/2	180,880	1/2	168,903	1/2	156,098	1/2	140,532	1/2	124,939
3/4		3/4		3/4		3/4	204,484	3/4	192,599	3/4	180,631	3/4	168,652	3/4	155,774	3/4	140,207	3/4	124,614
4		4		4		4	204,246	4	192,350	4	180,381	4	168,401	4	155,450	4	139,882	4	124,289
1/4		1/4		1/4		1/4	204,002	1/4	192,101	1/4	180,132	1/4	168,151	1/4	155,126	1/4	139,558	1/4	123,965
1/2		1/2		1/2		1/2	203,758	1/2	191,851	1/2	179,883	1/2	167,900	1/2	154,802	1/2	139,233	1/2	123,640
3/4		3/4		3/4		3/4	203,514	3/4	191,602	3/4	179,633	3/4	167,649	3/4	154,478	3/4	138,908	3/4	123,315
5		5		5		5	203,270	5	191,353	5	179,384	5	167,399	5	154,153	5	138,583	5	122,990
1/4		1/4		1/4		1/4	203,024	1/4	191,103	1/4	179,135	1/4	167,148	1/4	153,829	1/4	138,258	1/4	122,665
1/2		1/2		1/2		1/2	202,779	1/2	190,854	1/2	178,885	1/2	166,897	1/2	153,505	1/2	137,933	1/2	122,340
3/4		3/4		3/4		3/4	202,534	3/4	190,604	3/4	178,636	3/4	166,646	3/4	153,181	3/4	137,609	3/4	122,015
6		6		6		6	202,289	6	190,355	6	178,387	6	166,396	6	152,857	6	137,284	6	121,691
1/4		1/4		1/4		1/4	202,043	1/4	190,106	1/4	178,137	1/4	166,145	1/4	152,533	1/4	136,959	1/4	121,366
1/2		1/2		1/2		1/2	201,797	1/2	189,856	1/2	177,888	1/2	165,894	1/2	152,209	1/2	136,634	1/2	121,041
3/4		3/4		3/4		3/4	201,551	3/4	189,607	3/4	177,639	3/4	165,644	3/4	151,885	3/4	136,309	3/4	120,716
7		7		7		7	201,305	7	189,358	7	177,389	7	165,393	7	151,561	7	135,984	7	120,391
1/4		1/4		1/4		1/4	201,059	1/4	189,108	1/4	177,140	1/4	165,142	1/4	151,237	1/4	135,660	1/4	120,066
1/2		1/2		1/2		1/2	200,812	1/2	188,859	1/2	176,891	1/2	164,891	1/2	150,913	1/2	135,335	1/2	119,741
3/4		3/4		3/4		3/4	200,566	3/4	188,610	3/4	176,641	3/4	164,641	3/4	150,589	3/4	135,010	3/4	119,416
8		8		8		8	200,319	8	188,360	8	176,392	8	164,390	8	150,265	8	134,685	8	119,092
1/4		1/4		1/4		1/4	200,072	1/4	188,111	1/4	176,143	1/4	164,139	1/4	149,941	1/4	134,360	1/4	118,767
1/2		1/2		1/2		1/2	199,825	1/2	187,862	1/2	175,893	1/2	163,889	1/2	149,617	1/2	134,035	1/2	118,442
3/4		3/4		3/4		3/4	199,578	3/4	187,612	3/4	175,644	3/4	163,638	3/4	149,293	3/4	133,711	3/4	118,117
9		9		9		9	199,331	9	187,363	9	175,395	9	163,387	9	148,969	9	133,386	9	117,792
1/4		1/4		1/4		1/4	199,082	1/4	187,114	1/4	175,145	1/4	163,136	1/4	148,645	1/4	133,061	1/4	117,467
1/2		1/2		1/2		1/2	198,833	1/2	186,864	1/2	174,896	1/2	162,886	1/2	148,321	1/2	132,736	1/2	117,142
3/4		3/4		3/4		3/4	198,583	3/4	186,615	3/4	174,647	3/4	162,635	3/4	147,996	3/4	132,411	3/4	116,818
10		10		10		10	198,334	10	186,366	10	174,397	10	162,384	10	147,672	10	132,086	10	116,493
1/4		1/4		1/4		1/4	198,085	1/4	186,116	1/4	174,148	1/4	162,134	1/4	147,348	1/4	131,761	1/4	116,168
1/2		1/2		1/2		1/2	197,835	1/2	185,867	1/2	173,899	1/2	161,883	1/2	147,024	1/2	131,436	1/2	115,843
3/4		3/4		3/4		3/4	197,586	3/4	185,618	3/4	173,649	3/4	161,632	3/4	146,700	3/4	131,112	3/4	115,518
11		11		11		11	197,337	11	185,368	11	173,400	11	161,381	11	146,376	11	130,787	11	115,193
1/4		1/4		1/4		1/4	197,087	1/4	185,119	1/4	173,151	1/4	161,131	1/4	146,052	1/4	130,462	1/4	114,868
1/2		1/2		1/2		1/2	196,838	1/2	184,870	1/2	172,901	1/2	160,880	1/2	145,728	1/2	130,137	1/2	114,544
3/4		3/4		3/4		3/4	196,589	3/4	184,620	3/4	172,652	3/4	160,629	3/4	145,404	3/4	129,812	3/4	114,219

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 T ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 318"

3 PORT OUTAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	98,331	0	82,746	0	67,140	0	51,570	0	36,334	0	20,712	0	5,065	0		0		0	
1/4	98,007	1/4	82,421	1/4	66,815	1/4	51,253	1/4	36,009	1/4	20,386	1/4	4,740	1/4	1/4		1/4	1/4	
1/2	97,683	1/2	82,096	1/2	66,490	1/2	50,936	1/2	35,684	1/2	20,060	1/2	4,415	1/2	1/2		1/2	1/2	
3/4	97,359	3/4	81,771	3/4	66,165	3/4	50,618	3/4	35,360	3/4	19,734	3/4	4,089	3/4	3/4		3/4	3/4	
1	97,035	1	81,445	1	65,840	1	50,301	1	35,035	1	19,408	1	3,764	1		1		1	
1/4	96,711	1/4	81,120	1/4	65,515	1/4	49,984	1/4	34,710	1/4	19,082	1/4	3,444	1/4	1/4		1/4	1/4	
1/2	96,387	1/2	80,795	1/2	65,190	1/2	49,667	1/2	34,385	1/2	18,756	1/2	3,125	1/2	1/2		1/2	1/2	
3/4	96,063	3/4	80,470	3/4	64,865	3/4	49,350	3/4	34,060	3/4	18,430	3/4	2,805	3/4	3/4		3/4	3/4	
2	95,739	2	80,145	2	64,540	2	49,033	2	33,735	2	18,104	2	2,486	2		2		2	
1/4	95,415	1/4	79,820	1/4	64,215	1/4	48,717	1/4	33,410	1/4	17,778	1/4	2,211	1/4	1/4		1/4	1/4	
1/2	95,091	1/2	79,495	1/2	63,890	1/2	48,400	1/2	33,085	1/2	17,452	1/2	1,936	1/2	1/2		1/2	1/2	
3/4	94,767	3/4	79,170	3/4	63,564	3/4	48,083	3/4	32,760	3/4	17,126	3/4	1,661	3/4	3/4		3/4	3/4	
3	94,442	3	78,844	3	63,239	3	47,766	3	32,435	3	16,800	3	1,386	3		3		3	
1/4	94,118	1/4	78,519	1/4	62,914	1/4	47,449	1/4	32,110	1/4	16,474	1/4	1,192	1/4	1/4		1/4	1/4	
1/2	93,794	1/2	78,194	1/2	62,589	1/2	47,133	1/2	31,785	1/2	16,148	1/2	999	1/2	1/2		1/2	1/2	
3/4	93,470	3/4	77,869	3/4	62,264	3/4	46,816	3/4	31,460	3/4	15,822	3/4	805	3/4	3/4		3/4	3/4	
4	93,146	4	77,544	4	61,939	4	46,500	4	31,135	4	15,496	4	612	4		4		4	
1/4	92,822	1/4	77,219	1/4	61,614	1/4	46,183	1/4	30,810	1/4	15,170	1/4		1/4	1/4		1/4	1/4	
1/2	92,498	1/2	76,894	1/2	61,288	1/2	45,867	1/2	30,485	1/2	14,844	1/2		1/2	1/2		1/2	1/2	
3/4	92,174	3/4	76,569	3/4	60,963	3/4	45,550	3/4	30,160	3/4	14,518	3/4		3/4	3/4		3/4	3/4	
5	91,850	5	76,243	5	60,638	5	45,233	5	29,835	5	14,192	5		5		5		5	
1/4	91,525	1/4	75,918	1/4	60,313	1/4	44,917	1/4	29,510	1/4	13,866	1/4		1/4	1/4		1/4	1/4	
1/2	91,199	1/2	75,593	1/2	59,988	1/2	44,600	1/2	29,185	1/2	13,540	1/2		1/2	1/2		1/2	1/2	
3/4	90,874	3/4	75,268	3/4	59,663	3/4	44,284	3/4	28,860	3/4	13,214	3/4		3/4	3/4		3/4	3/4	
6	90,549	6	74,943	6	59,338	6	43,967	6	28,535	6	12,888	6		6		6		6	
1/4	90,224	1/4	74,618	1/4	59,013	1/4	43,651	1/4	28,209	1/4	12,562	1/4		1/4	1/4		1/4	1/4	
1/2	89,899	1/2	74,293	1/2	58,687	1/2	43,334	1/2	27,883	1/2	12,236	1/2		1/2	1/2		1/2	1/2	
3/4	89,574	3/4	73,967	3/4	58,362	3/4	43,018	3/4	27,557	3/4	11,910	3/4		3/4	3/4		3/4	3/4	
7	89,249	7	73,642	7	58,037	7	42,701	7	27,231	7	11,584	7		7		7		7	
1/4	88,924	1/4	73,317	1/4	57,712	1/4	42,385	1/4	26,905	1/4	11,258	1/4		1/4	1/4		1/4	1/4	
1/2	88,598	1/2	72,992	1/2	57,387	1/2	42,068	1/2	26,579	1/2	10,932	1/2		1/2	1/2		1/2	1/2	
3/4	88,273	3/4	72,667	3/4	57,062	3/4	41,752	3/4	26,253	3/4	10,607	3/4		3/4	3/4		3/4	3/4	
8	87,948	8	72,342	8	56,737	8	41,435	8	25,927	8	10,281	8		8		8		8	
1/4	87,623	1/4	72,017	1/4	56,411	1/4	41,119	1/4	25,601	1/4	9,955	1/4		1/4	1/4		1/4	1/4	
1/2	87,298	1/2	71,692	1/2	56,086	1/2	40,802	1/2	25,275	1/2	9,629	1/2		1/2	1/2		1/2	1/2	
3/4	86,973	3/4	71,366	3/4	55,761	3/4	40,486	3/4	24,949	3/4	9,303	3/4		3/4	3/4		3/4	3/4	
9	86,648	9	71,041	9	55,436	9	40,169	9	24,623	9	8,977	9		9		9		9	
1/4	86,322	1/4	70,716	1/4	55,111	1/4	39,853	1/4	24,297	1/4	8,651	1/4		1/4	1/4		1/4	1/4	
1/2	85,997	1/2	70,391	1/2	54,786	1/2	39,536	1/2	23,971	1/2	8,325	1/2		1/2	1/2		1/2	1/2	
3/4	85,672	3/4	70,066	3/4	54,461	3/4	39,220	3/4	23,645	3/4	7,999	3/4		3/4	3/4		3/4	3/4	
10	85,347	10	69,741	10	54,136	10	38,903	10	23,319	10	7,673	10		10		10		10	
1/4	85,022	1/4	69,416	1/4	53,811	1/4	38,586	1/4	22,993	1/4	7,347	1/4		1/4	1/4		1/4	1/4	
1/2	84,697	1/2	69,091	1/2	53,487	1/2	38,269	1/2	22,667	1/2	7,021	1/2		1/2	1/2		1/2	1/2	
3/4	84,372	3/4	68,765	3/4	53,163	3/4	37,951	3/4	22,341	3/4	6,695	3/4		3/4	3/4		3/4	3/4	
11	84,047	11	68,440	11	52,839	11	37,634	11	22,015	11	6,369	11		11		11		11	
1/4	83,721	1/4	68,115	1/4	52,522	1/4	37,309	1/4	21,690	1/4	6,043	1/4		1/4	1/4		1/4	1/4	
1/2	83,396	1/2	67,790	1/2	52,204	1/2	36,984	1/2	21,364	1/2	5,717	1/2		1/2	1/2		1/2	1/2	
3/4	83,071	3/4	67,465	3/4	51,887	3/4	36,659	3/4	21,038	3/4	5,391	3/4		3/4	3/4		3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/11/2013 CL
CALCULATED: 12/12/2013 CL
PRINTED: 12/16/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "CBC 318"

3 STBD OUTAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	196,761	0	184,793	0	172,825	0	160,805	0	145,726	0	130,136	0	114,542
1/4		1/4		1/4		1/4	196,512	1/4	184,544	1/4	172,575	1/4	160,554	1/4	145,402	1/4	129,811	1/4	114,218
1/2		1/2		1/2		1/2	196,263	1/2	184,294	1/2	172,326	1/2	160,303	1/2	145,078	1/2	129,486	1/2	113,893
3/4		3/4		3/4		3/4	196,013	3/4	184,045	3/4	172,076	3/4	160,053	3/4	144,754	3/4	129,161	3/4	113,568
1		1		1		1	195,764	1	183,796	1	171,827	1	159,793	1	144,429	1	128,836	1	113,243
1/4		1/4		1/4	206,425	1/4	195,515	1/4	183,546	1/4	171,578	1/4	159,533	1/4	144,104	1/4	128,512	1/4	112,918
1/2		1/2		1/2	206,334	1/2	195,265	1/2	183,297	1/2	171,328	1/2	159,273	1/2	143,779	1/2	128,187	1/2	112,593
3/4		3/4		3/4	206,244	3/4	195,016	3/4	183,048	3/4	171,079	3/4	159,013	3/4	143,454	3/4	127,862	3/4	112,268
2		2		2	206,099	2	194,767	2	182,798	2	170,830	2	158,689	2	143,130	2	127,537	2	111,944
1/4		1/4		1/4	205,954	1/4	194,517	1/4	182,549	1/4	170,580	1/4	158,365	1/4	142,805	1/4	127,212	1/4	111,619
1/2		1/2		1/2	205,809	1/2	194,268	1/2	182,300	1/2	170,331	1/2	158,041	1/2	142,480	1/2	126,887	1/2	111,295
3/4		3/4		3/4	205,664	3/4	194,019	3/4	182,050	3/4	170,081	3/4	157,717	3/4	142,155	3/4	126,562	3/4	110,970
3		3		3	205,466	3	193,769	3	181,801	3	169,830	3	157,393	3	141,830	3	126,238	3	110,645
1/4		1/4		1/4	205,268	1/4	193,520	1/4	181,552	1/4	169,580	1/4	157,068	1/4	141,505	1/4	125,913	1/4	110,321
1/2		1/2		1/2	205,070	1/2	193,271	1/2	181,302	1/2	169,329	1/2	156,744	1/2	141,181	1/2	125,588	1/2	109,996
3/4		3/4		3/4	204,872	3/4	193,021	3/4	181,053	3/4	169,078	3/4	156,420	3/4	140,856	3/4	125,263	3/4	109,672
4		4		4	204,634	4	192,772	4	180,803	4	168,828	4	156,096	4	140,531	4	124,938	4	109,347
1/4		1/4		1/4	204,396	1/4	192,523	1/4	180,554	1/4	168,577	1/4	155,772	1/4	140,206	1/4	124,613	1/4	109,022
1/2		1/2		1/2	204,158	1/2	192,273	1/2	180,305	1/2	168,326	1/2	155,448	1/2	139,881	1/2	124,288	1/2	108,698
3/4		3/4		3/4	203,920	3/4	192,024	3/4	180,055	3/4	168,075	3/4	155,124	3/4	139,556	3/4	123,963	3/4	108,373
5		5		5	203,676	5	191,775	5	179,806	5	167,825	5	154,800	5	139,232	5	123,639	5	108,049
1/4		1/4		1/4	203,432	1/4	191,525	1/4	179,557	1/4	167,574	1/4	154,476	1/4	138,907	1/4	123,314	1/4	107,724
1/2		1/2		1/2	203,188	1/2	191,276	1/2	179,307	1/2	167,323	1/2	154,152	1/2	138,582	1/2	122,989	1/2	107,400
3/4		3/4		3/4	202,944	3/4	191,027	3/4	179,058	3/4	167,073	3/4	153,827	3/4	138,257	3/4	122,664	3/4	107,075
6		6		6	202,698	6	190,777	6	178,809	6	166,822	6	153,503	6	137,932	6	122,339	6	106,752
1/4		1/4		1/4	202,453	1/4	190,528	1/4	178,559	1/4	166,571	1/4	153,179	1/4	137,607	1/4	122,014	1/4	106,428
1/2		1/2		1/2	202,208	1/2	190,279	1/2	178,310	1/2	166,320	1/2	152,855	1/2	137,283	1/2	121,689	1/2	106,104
3/4		3/4		3/4	201,963	3/4	190,029	3/4	178,061	3/4	166,070	3/4	152,531	3/4	136,958	3/4	121,365	3/4	105,780
7		7		7	201,717	7	189,780	7	177,811	7	165,819	7	152,207	7	136,633	7	121,040	7	105,457
1/4		1/4		1/4	201,471	1/4	189,530	1/4	177,562	1/4	165,568	1/4	151,883	1/4	136,308	1/4	120,715	1/4	105,133
1/2		1/2		1/2	201,225	1/2	189,281	1/2	177,313	1/2	165,318	1/2	151,559	1/2	135,983	1/2	120,390	1/2	104,809
3/4		3/4		3/4	200,979	3/4	189,032	3/4	177,063	3/4	165,067	3/4	151,235	3/4	135,658	3/4	120,065	3/4	104,485
8		8		8	200,733	8	188,782	8	176,814	8	164,816	8	150,911	8	135,334	8	119,740	8	104,161
1/4		1/4		1/4	200,486	1/4	188,533	1/4	176,565	1/4	164,565	1/4	150,587	1/4	135,009	1/4	119,415	1/4	103,837
1/2		1/2		1/2	200,240	1/2	188,284	1/2	176,315	1/2	164,315	1/2	150,263	1/2	134,684	1/2	119,090	1/2	103,513
3/4		3/4		3/4	199,993	3/4	188,034	3/4	176,066	3/4	164,064	3/4	149,939	3/4	134,359	3/4	118,766	3/4	103,189
9		9		9	199,746	9	187,785	9	175,817	9	163,813	9	149,615	9	134,034	9	118,441	9	102,865
1/4		1/4		1/4	199,499	1/4	187,536	1/4	175,567	1/4	163,563	1/4	149,291	1/4	133,709	1/4	118,116	1/4	102,541
1/2		1/2		1/2	199,252	1/2	187,286	1/2	175,318	1/2	163,312	1/2	148,967	1/2	133,385	1/2	117,791	1/2	102,217
3/4		3/4		3/4	199,005	3/4	187,037	3/4	175,069	3/4	163,061	3/4	148,643	3/4	133,060	3/4	117,466	3/4	101,893
10		10		10	198,756	10	186,788	10	174,819	10	162,810	10	148,319	10	132,735	10	117,141	10	101,569
1/4		1/4		1/4	198,507	1/4	186,538	1/4	174,570	1/4	162,560	1/4	147,995	1/4	132,410	1/4	116,816	1/4	101,245
1/2		1/2		1/2	198,257	1/2	186,289	1/2	174,321	1/2	162,309	1/2	147,670	1/2	132,085	1/2	116,492	1/2	100,921
3/4		3/4		3/4	198,008	3/4	186,040	3/4	174,071	3/4	162,058	3/4	147,346	3/4	131,760	3/4	116,167	3/4	100,597
11		11		11	197,759	11	185,790	11	173,822	11	161,808	11	147,022	11	131,435	11	115,842	11	100,273
1/4		1/4		1/4	197,509	1/4	185,541	1/4	173,573	1/4	161,557	1/4	146,698	1/4	131,110	1/4	115,517	1/4	99,949
1/2		1/2		1/2	197,260	1/2	185,292	1/2	173,323	1/2	161,306	1/2	146,374	1/2	130,786	1/2	115,192	1/2	99,625
3/4		3/4		3/4	197,011	3/4	185,042	3/4	173,074	3/4	161,055	3/4	146,050	3/4	130,461	3/4	114,867	3/4	99,301

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 T ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 318"

3 STBD
OUTAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	98,977	0	83,395	0	67,789	0	52,205	0	37,307	0	21,690	0	6,043	0		0		0	
1/4	98,653	1/4	83,070	1/4	67,464	1/4	51,894	1/4	36,983	1/4	21,364	1/4	5,717	1/4	1/4	1/4		1/4	
1/2	98,329	1/2	82,745	1/2	67,139	1/2	51,563	1/2	36,659	1/2	21,038	1/2	5,391	1/2	1/2	1/2		1/2	
3/4	98,005	3/4	82,420	3/4	66,814	3/4	51,272	3/4	36,335	3/4	20,712	3/4	5,066	3/4	3/4	3/4		3/4	
1	97,681	1	82,095	1	66,489	1	50,961	1	36,010	1	20,386	1	4,740	1		1		1	
1/4	97,357	1/4	81,770	1/4	66,164	1/4	50,650	1/4	35,685	1/4	20,060	1/4	4,415	1/4	1/4	1/4		1/4	
1/2	97,033	1/2	81,445	1/2	65,839	1/2	50,338	1/2	35,360	1/2	19,734	1/2	4,089	1/2	1/2	1/2		1/2	
3/4	96,709	3/4	81,119	3/4	65,514	3/4	50,027	3/4	35,035	3/4	19,408	3/4	3,764	3/4	3/4	3/4		3/4	
2	96,385	2	80,794	2	65,189	2	49,717	2	34,710	2	19,082	2	3,445	2		2		2	
1/4	96,061	1/4	80,469	1/4	64,864	1/4	49,406	1/4	34,385	1/4	18,756	1/4	3,125	1/4	1/4	1/4		1/4	
1/2	95,737	1/2	80,144	1/2	64,539	1/2	49,095	1/2	34,060	1/2	18,430	1/2	2,806	1/2	1/2	1/2		1/2	
3/4	95,413	3/4	79,819	3/4	64,214	3/4	48,785	3/4	33,735	3/4	18,104	3/4	2,486	3/4	3/4	3/4		3/4	
3	95,089	3	79,494	3	63,889	3	48,475	3	33,410	3	17,778	3	2,211	3		3		3	
1/4	94,765	1/4	79,169	1/4	63,564	1/4	48,165	1/4	33,085	1/4	17,452	1/4	1,936	1/4	1/4	1/4		1/4	
1/2	94,441	1/2	78,844	1/2	63,238	1/2	47,855	1/2	32,760	1/2	17,126	1/2	1,661	1/2	1/2	1/2		1/2	
3/4	94,116	3/4	78,518	3/4	62,913	3/4	47,545	3/4	32,435	3/4	16,800	3/4	1,386	3/4	3/4	3/4		3/4	
4	93,792	4	78,193	4	62,588	4	47,235	4	32,110	4	16,474	4	1,193	4		4		4	
1/4	93,468	1/4	77,868	1/4	62,263	1/4	46,926	1/4	31,785	1/4	16,148	1/4	999	1/4	1/4	1/4		1/4	
1/2	93,144	1/2	77,543	1/2	61,938	1/2	46,616	1/2	31,460	1/2	15,822	1/2	805	1/2	1/2	1/2		1/2	
3/4	92,820	3/4	77,218	3/4	61,613	3/4	46,306	3/4	31,135	3/4	15,496	3/4	612	3/4	3/4	3/4		3/4	
5	92,496	5	76,893	5	61,288	5	45,997	5	30,810	5	15,170	5		5		5		5	
1/4	92,172	1/4	76,568	1/4	60,962	1/4	45,687	1/4	30,485	1/4	14,844	1/4		1/4	1/4	1/4		1/4	
1/2	91,848	1/2	76,243	1/2	60,637	1/2	45,377	1/2	30,160	1/2	14,518	1/2		1/2	1/2	1/2		1/2	
3/4	91,524	3/4	75,917	3/4	60,312	3/4	45,068	3/4	29,835	3/4	14,192	3/4		3/4	3/4	3/4		3/4	
6	91,199	6	75,592	6	59,987	6	44,758	6	29,510	6	13,866	6		6		6		6	
1/4	90,873	1/4	75,267	1/4	59,662	1/4	44,449	1/4	29,185	1/4	13,540	1/4		1/4	1/4	1/4		1/4	
1/2	90,548	1/2	74,942	1/2	59,337	1/2	44,139	1/2	28,860	1/2	13,214	1/2		1/2	1/2	1/2		1/2	
3/4	90,223	3/4	74,617	3/4	59,012	3/4	43,829	3/4	28,535	3/4	12,888	3/4		3/4	3/4	3/4		3/4	
7	89,898	7	74,292	7	58,687	7	43,520	7	28,209	7	12,562	7		7		7		7	
1/4	89,573	1/4	73,967	1/4	58,361	1/4	43,210	1/4	27,883	1/4	12,236	1/4		1/4	1/4	1/4		1/4	
1/2	89,248	1/2	73,641	1/2	58,036	1/2	42,901	1/2	27,557	1/2	11,910	1/2		1/2	1/2	1/2		1/2	
3/4	88,923	3/4	73,316	3/4	57,711	3/4	42,591	3/4	27,231	3/4	11,585	3/4		3/4	3/4	3/4		3/4	
8	88,598	8	72,991	8	57,386	8	42,281	8	26,905	8	11,259	8		8		8		8	
1/4	88,272	1/4	72,666	1/4	57,061	1/4	41,972	1/4	26,579	1/4	10,933	1/4		1/4	1/4	1/4		1/4	
1/2	87,947	1/2	72,341	1/2	56,736	1/2	41,662	1/2	26,253	1/2	10,607	1/2		1/2	1/2	1/2		1/2	
3/4	87,622	3/4	72,016	3/4	56,411	3/4	41,353	3/4	25,927	3/4	10,281	3/4		3/4	3/4	3/4		3/4	
9	87,297	9	71,691	9	56,085	9	41,043	9	25,601	9	9,955	9		9		9		9	
1/4	86,972	1/4	71,366	1/4	55,760	1/4	40,733	1/4	25,275	1/4	9,629	1/4		1/4	1/4	1/4		1/4	
1/2	86,647	1/2	71,040	1/2	55,435	1/2	40,424	1/2	24,949	1/2	9,303	1/2		1/2	1/2	1/2		1/2	
3/4	86,322	3/4	70,715	3/4	55,110	3/4	40,114	3/4	24,623	3/4	8,977	3/4		3/4	3/4	3/4		3/4	
10	85,996	10	70,390	10	54,785	10	39,805	10	24,297	10	8,651	10		10		10		10	
1/4	85,671	1/4	70,065	1/4	54,460	1/4	39,495	1/4	23,971	1/4	8,325	1/4		1/4	1/4	1/4		1/4	
1/2	85,346	1/2	69,740	1/2	54,135	1/2	39,186	1/2	23,645	1/2	7,999	1/2		1/2	1/2	1/2		1/2	
3/4	85,021	3/4	69,415	3/4	53,810	3/4	38,876	3/4	23,319	3/4	7,673	3/4		3/4	3/4	3/4		3/4	
11	84,696	11	69,090	11	53,486	11	38,565	11	22,994	11	7,347	11		11		11		11	
1/4	84,371	1/4	68,765	1/4	53,163	1/4	38,254	1/4	22,668	1/4	7,021	1/4		1/4	1/4	1/4		1/4	
1/2	84,046	1/2	68,439	1/2	52,839	1/2	37,943	1/2	22,342	1/2	6,695	1/2		1/2	1/2	1/2		1/2	
3/4	83,721	3/4	68,114	3/4	52,516	3/4	37,632	3/4	22,016	3/4	6,369	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/11/2013 CL
CALCULATED: 12/12/2013 CL
PRINTED: 12/16/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

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