



BARGE "CBC 1403"

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 CENTER	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-5/8	- 01-5/8
2 CENTER	- 00-1/4	00-1/4	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2	- 01-3/4	01-3/4
3 CENTER	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 178'-06"

June 7, 2018

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

<http://www.pmacorp.net>



BARGE "CBC 1403"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	8,706	0	20,318	0	31,747	0	43,217	0	54,801	0	66,385	0	77,946	0	89,509	0	101,098
1/4	60	1/4	8,948	1/4	20,560	1/4	31,981	1/4	43,458	1/4	55,042	1/4	66,626	1/4	78,186	1/4	89,750	1/4	101,339
1/2	80	1/2	9,190	1/2	20,802	1/2	32,216	1/2	43,699	1/2	55,284	1/2	66,868	1/2	78,426	1/2	89,992	1/2	101,581
3/4	100	3/4	9,432	3/4	21,044	3/4	32,450	3/4	43,941	3/4	55,525	3/4	67,109	3/4	78,666	3/4	90,233	3/4	101,822
1	120	1	9,674	1	21,286	1	32,684	1	44,182	1	55,766	1	67,350	1	78,906	1	90,475	1	102,063
1/4	180	1/4	9,915	1/4	21,528	1/4	32,918	1/4	44,423	1/4	56,008	1/4	67,592	1/4	79,146	1/4	90,716	1/4	102,305
1/2	241	1/2	10,157	1/2	21,770	1/2	33,152	1/2	44,665	1/2	56,249	1/2	67,833	1/2	79,386	1/2	90,958	1/2	102,546
3/4	301	3/4	10,399	3/4	22,011	3/4	33,386	3/4	44,906	3/4	56,490	3/4	68,075	3/4	79,626	3/4	91,199	3/4	102,788
2	362	2	10,641	2	22,253	2	33,621	2	45,147	2	56,732	2	68,316	2	79,866	2	91,440	2	103,029
1/4	463	1/4	10,883	1/4	22,495	1/4	33,855	1/4	45,389	1/4	56,973	1/4	68,557	1/4	80,106	1/4	91,682	1/4	103,271
1/2	563	1/2	11,125	1/2	22,737	1/2	34,089	1/2	45,630	1/2	57,214	1/2	68,799	1/2	80,346	1/2	91,923	1/2	103,512
3/4	664	3/4	11,367	3/4	22,979	3/4	34,323	3/4	45,871	3/4	57,456	3/4	69,040	3/4	80,586	3/4	92,165	3/4	103,754
3	765	3	11,609	3	23,221	3	34,557	3	46,113	3	57,697	3	69,281	3	80,826	3	92,406	3	103,995
1/4	906	1/4	11,851	1/4	23,463	1/4	34,791	1/4	46,354	1/4	57,938	1/4	69,523	1/4	81,066	1/4	92,648	1/4	104,236
1/2	1,047	1/2	12,093	1/2	23,705	1/2	35,025	1/2	46,595	1/2	58,180	1/2	69,764	1/2	81,306	1/2	92,889	1/2	104,478
3/4	1,188	3/4	12,335	3/4	23,947	3/4	35,260	3/4	46,837	3/4	58,421	3/4	70,005	3/4	81,546	3/4	93,131	3/4	104,719
4	1,329	4	12,577	4	24,189	4	35,494	4	47,078	4	58,662	4	70,247	4	81,786	4	93,372	4	104,961
1/4	1,511	1/4	12,818	1/4	24,431	1/4	35,735	1/4	47,319	1/4	58,904	1/4	70,488	1/4	82,027	1/4	93,613	1/4	105,202
1/2	1,692	1/2	13,060	1/2	24,673	1/2	35,977	1/2	47,561	1/2	59,145	1/2	70,729	1/2	82,267	1/2	93,855	1/2	105,444
3/4	1,874	3/4	13,302	3/4	24,915	3/4	36,218	3/4	47,802	3/4	59,386	3/4	70,971	3/4	82,508	3/4	94,096	3/4	105,685
5	2,055	5	13,544	5	25,156	5	36,459	5	48,043	5	59,628	5	71,212	5	82,749	5	94,338	5	105,926
1/4	2,276	1/4	13,786	1/4	25,398	1/4	36,701	1/4	48,285	1/4	59,869	1/4	71,453	1/4	82,990	1/4	94,579	1/4	106,168
1/2	2,497	1/2	14,028	1/2	25,640	1/2	36,942	1/2	48,526	1/2	60,110	1/2	71,695	1/2	83,232	1/2	94,821	1/2	106,409
3/4	2,718	3/4	14,270	3/4	25,882	3/4	37,183	3/4	48,767	3/4	60,352	3/4	71,936	3/4	83,473	3/4	95,062	3/4	106,651
6	2,939	6	14,512	6	26,124	6	37,425	6	49,009	6	60,593	6	72,177	6	83,714	6	95,303	6	106,892
1/4	3,177	1/4	14,754	1/4	26,359	1/4	37,666	1/4	49,250	1/4	60,834	1/4	72,418	1/4	83,956	1/4	95,545	1/4	107,134
1/2	3,414	1/2	14,996	1/2	26,593	1/2	37,907	1/2	49,491	1/2	61,076	1/2	72,659	1/2	84,197	1/2	95,786	1/2	107,375
3/4	3,651	3/4	15,238	3/4	26,828	3/4	38,149	3/4	49,733	3/4	61,317	3/4	72,900	3/4	84,439	3/4	96,028	3/4	107,616
7	3,888	7	15,480	7	27,062	7	38,390	7	49,974	7	61,558	7	73,140	7	84,680	7	96,269	7	107,858
1/4	4,127	1/4	15,722	1/4	27,297	1/4	38,631	1/4	50,215	1/4	61,800	1/4	73,381	1/4	84,922	1/4	96,511	1/4	108,099
1/2	4,366	1/2	15,963	1/2	27,531	1/2	38,873	1/2	50,457	1/2	62,041	1/2	73,622	1/2	85,163	1/2	96,752	1/2	108,341
3/4	4,605	3/4	16,205	3/4	27,766	3/4	39,114	3/4	50,698	3/4	62,282	3/4	73,863	3/4	85,405	3/4	96,993	3/4	108,582
8	4,845	8	16,447	8	28,001	8	39,355	8	50,939	8	62,524	8	74,103	8	85,646	8	97,235	8	108,824
1/4	5,085	1/4	16,689	1/4	28,235	1/4	39,597	1/4	51,181	1/4	62,765	1/4	74,344	1/4	85,887	1/4	97,476	1/4	109,065
1/2	5,326	1/2	16,931	1/2	28,469	1/2	39,838	1/2	51,422	1/2	63,006	1/2	74,585	1/2	86,129	1/2	97,718	1/2	109,306
3/4	5,566	3/4	17,173	3/4	28,703	3/4	40,079	3/4	51,664	3/4	63,248	3/4	74,826	3/4	86,370	3/4	97,959	3/4	109,548
9	5,806	9	17,415	9	28,937	9	40,321	9	51,905	9	63,489	9	75,066	9	86,612	9	98,201	9	109,789
1/4	6,048	1/4	17,657	1/4	29,171	1/4	40,562	1/4	52,146	1/4	63,730	1/4	75,306	1/4	86,853	1/4	98,442	1/4	110,031
1/2	6,289	1/2	17,899	1/2	29,406	1/2	40,803	1/2	52,388	1/2	63,972	1/2	75,546	1/2	87,095	1/2	98,683	1/2	110,272
3/4	6,530	3/4	18,141	3/4	29,640	3/4	41,045	3/4	52,629	3/4	64,213	3/4	75,786	3/4	87,336	3/4	98,925	3/4	110,514
10	6,771	10	18,383	10	29,874	10	41,286	10	52,870	10	64,454	10	76,026	10	87,578	10	99,166	10	110,755
1/4	7,013	1/4	18,625	1/4	30,108	1/4	41,527	1/4	53,112	1/4	64,696	1/4	76,266	1/4	87,819	1/4	99,408	1/4	110,996
1/2	7,255	1/2	18,866	1/2	30,342	1/2	41,769	1/2	53,353	1/2	64,937	1/2	76,506	1/2	88,060	1/2	99,649	1/2	111,238
3/4	7,497	3/4	19,108	3/4	30,576	3/4	42,010	3/4	53,594	3/4	65,178	3/4	76,746	3/4	88,302	3/4	99,891	3/4	111,479
11	7,738	11	19,350	11	30,811	11	42,251	11	53,836	11	65,420	11	76,986	11	88,543	11	100,132	11	111,721
1/4	7,980	1/4	19,592	1/4	31,045	1/4	42,493	1/4	54,077	1/4	65,661	1/4	77,226	1/4	88,785	1/4	100,373	1/4	111,962
1/2	8,222	1/2	19,834	1/2	31,279	1/2	42,734	1/2	54,318	1/2	65,902	1/2	77,466	1/2	89,026	1/2	100,615	1/2	112,204
3/4	8,464	3/4	20,076	3/4	31,513	3/4	42,975	3/4	54,560	3/4	66,144	3/4	77,706	3/4	89,268	3/4	100,856	3/4	112,445

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 24'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
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 P.O. Box 2092
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BARGE "CBC 1403"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	112,686	0	122,224	0	130,346	0	138,468	0	146,590	0		0		0		0		0	
1/4	112,927	1/4	122,393	1/4	130,515	1/4	138,637	1/4	146,759	1/4		1/4		1/4		1/4		1/4	
1/2	113,168	1/2	122,562	1/2	130,684	1/2	138,806	1/2	146,928	1/2		1/2		1/2		1/2		1/2	
3/4	113,409	3/4	122,731	3/4	130,853	3/4	138,975	3/4	147,097	3/4		3/4		3/4		3/4		3/4	
1	113,650	1	122,901	1	131,023	1	139,144	1	147,266	1		1		1		1		1	
1/4	113,891	1/4	123,070	1/4	131,192	1/4	139,314	1/4	147,436	1/4		1/4		1/4		1/4		1/4	
1/2	114,132	1/2	123,239	1/2	131,361	1/2	139,483	1/2	147,605	1/2		1/2		1/2		1/2		1/2	
3/4	114,373	3/4	123,408	3/4	131,530	3/4	139,652	3/4	147,774	3/4		3/4		3/4		3/4		3/4	
2	114,613	2	123,578	2	131,699	2	139,821	2	147,943	2		2		2		2		2	
1/4	114,854	1/4	123,747	1/4	131,869	1/4	139,990	1/4	148,112	1/4		1/4		1/4		1/4		1/4	
1/2	115,095	1/2	123,916	1/2	132,038	1/2	140,160	1/2	148,282	1/2		1/2		1/2		1/2		1/2	
3/4	115,336	3/4	124,085	3/4	132,207	3/4	140,329	3/4	148,451	3/4		3/4		3/4		3/4		3/4	
3	115,577	3	124,254	3	132,376	3	140,498	3	148,620	3		3		3		3		3	
1/4	115,818	1/4	124,424	1/4	132,545	1/4	140,667	1/4	148,842	1/4		1/4		1/4		1/4		1/4	
1/2	116,059	1/2	124,593	1/2	132,715	1/2	140,837	1/2	149,064	1/2		1/2		1/2		1/2		1/2	
3/4	116,300	3/4	124,762	3/4	132,884	3/4	141,006	3/4	149,285	3/4		3/4		3/4		3/4		3/4	
4	116,540	4	124,931	4	133,053	4	141,175	4	149,507	4		4		4		4		4	
1/4	116,781	1/4	125,100	1/4	133,222	1/4	141,344	1/4	149,689	1/4		1/4		1/4		1/4		1/4	
1/2	117,022	1/2	125,270	1/2	133,391	1/2	141,513	1/2	149,870	1/2		1/2		1/2		1/2		1/2	
3/4	117,263	3/4	125,439	3/4	133,561	3/4	141,683	3/4	150,051	3/4		3/4		3/4		3/4		3/4	
5	117,504	5	125,608	5	133,730	5	141,852	5	150,233	5		5		5		5		5	
1/4	117,672	1/4	125,777	1/4	133,899	1/4	142,021	1/4	150,374	1/4		1/4		1/4		1/4		1/4	
1/2	117,840	1/2	125,946	1/2	134,068	1/2	142,190	1/2	150,515	1/2		1/2		1/2		1/2		1/2	
3/4	118,008	3/4	126,116	3/4	134,237	3/4	142,359	3/4	150,656	3/4		3/4		3/4		3/4		3/4	
6	118,177	6	126,285	6	134,407	6	142,529	6	150,797	6		6		6		6		6	
1/4	118,345	1/4	126,454	1/4	134,576	1/4	142,698	1/4	150,898	1/4		1/4		1/4		1/4		1/4	
1/2	118,514	1/2	126,623	1/2	134,745	1/2	142,867	1/2	150,999	1/2		1/2		1/2		1/2		1/2	
3/4	118,682	3/4	126,792	3/4	134,914	3/4	143,036	3/4	151,100	3/4		3/4		3/4		3/4		3/4	
7	118,851	7	126,962	7	135,084	7	143,205	7	151,201	7		7		7		7		7	
1/4	119,020	1/4	127,131	1/4	135,253	1/4	143,375	1/4	151,261	1/4		1/4		1/4		1/4		1/4	
1/2	119,188	1/2	127,300	1/2	135,422	1/2	143,544	1/2	151,322	1/2		1/2		1/2		1/2		1/2	
3/4	119,357	3/4	127,469	3/4	135,591	3/4	143,713	3/4	151,382	3/4		3/4		3/4		3/4		3/4	
8	119,526	8	127,638	8	135,760	8	143,882	8	151,442	8		8		8		8		8	
1/4	119,694	1/4	127,808	1/4	135,930	1/4	144,051	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	119,863	1/2	127,977	1/2	136,099	1/2	144,221	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,032	3/4	128,146	3/4	136,268	3/4	144,390	3/4		3/4		3/4		3/4		3/4		3/4	
9	120,200	9	128,315	9	136,437	9	144,559	9		9		9		9		9		9	
1/4	120,369	1/4	128,484	1/4	136,606	1/4	144,728	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120,537	1/2	128,654	1/2	136,776	1/2	144,897	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,706	3/4	128,823	3/4	136,945	3/4	145,067	3/4		3/4		3/4		3/4		3/4		3/4	
10	120,875	10	128,992	10	137,114	10	145,236	10		10		10		10		10		10	
1/4	121,043	1/4	129,161	1/4	137,283	1/4	145,405	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,212	1/2	129,331	1/2	137,452	1/2	145,574	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	121,381	3/4	129,500	3/4	137,622	3/4	145,743	3/4		3/4		3/4		3/4		3/4		3/4	
11	121,549	11	129,669	11	137,791	11	145,913	11		11		11		11		11		11	
1/4	121,718	1/4	129,838	1/4	137,960	1/4	146,082	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,887	1/2	130,007	1/2	138,129	1/2	146,251	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	122,055	3/4	130,177	3/4	138,298	3/4	146,420	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/07/2018 CL
CALCULATED: 06/07/2018 CL
PRINTED: 06/07/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1403"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 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	39	0	10,067	0	23,502	0	36,775	0	50,047	0	63,483	0	76,919	0	90,354	0	103,790	0	117,226
1/4	63	1/4	10,347	1/4	23,782	1/4	37,046	1/4	50,327	1/4	63,763	1/4	77,199	1/4	90,634	1/4	104,070	1/4	117,506
1/2	86	1/2	10,627	1/2	24,062	1/2	37,318	1/2	50,607	1/2	64,043	1/2	77,479	1/2	90,914	1/2	104,350	1/2	117,786
3/4	109	3/4	10,907	3/4	24,342	3/4	37,590	3/4	50,887	3/4	64,323	3/4	77,758	3/4	91,194	3/4	104,630	3/4	118,066
1	133	1	11,186	1	24,622	1	37,861	1	51,167	1	64,603	1	78,038	1	91,474	1	104,910	1	118,345
1/4	203	1/4	11,466	1/4	24,902	1/4	38,133	1/4	51,447	1/4	64,883	1/4	78,318	1/4	91,754	1/4	105,190	1/4	118,625
1/2	273	1/2	11,746	1/2	25,182	1/2	38,405	1/2	51,727	1/2	65,162	1/2	78,598	1/2	92,034	1/2	105,470	1/2	118,905
3/4	343	3/4	12,026	3/4	25,461	3/4	38,676	3/4	52,007	3/4	65,442	3/4	78,878	3/4	92,314	3/4	105,749	3/4	119,185
2	413	2	12,306	2	25,741	2	38,948	2	52,287	2	65,722	2	79,158	2	92,594	2	106,029	2	119,465
1/4	529	1/4	12,586	1/4	26,021	1/4	39,220	1/4	52,567	1/4	66,002	1/4	79,438	1/4	92,874	1/4	106,309	1/4	119,745
1/2	646	1/2	12,866	1/2	26,301	1/2	39,491	1/2	52,846	1/2	66,282	1/2	79,718	1/2	93,154	1/2	106,589	1/2	120,025
3/4	762	3/4	13,146	3/4	26,581	3/4	39,763	3/4	53,126	3/4	66,562	3/4	79,998	3/4	93,433	3/4	106,869	3/4	120,305
3	879	3	13,426	3	26,861	3	40,035	3	53,406	3	66,842	3	80,278	3	93,713	3	107,149	3	120,585
1/4	1,042	1/4	13,706	1/4	27,141	1/4	40,307	1/4	53,686	1/4	67,122	1/4	80,558	1/4	93,993	1/4	107,429	1/4	120,865
1/2	1,206	1/2	13,985	1/2	27,421	1/2	40,578	1/2	53,966	1/2	67,402	1/2	80,837	1/2	94,273	1/2	107,709	1/2	121,145
3/4	1,369	3/4	14,265	3/4	27,701	3/4	40,850	3/4	54,246	3/4	67,682	3/4	81,117	3/4	94,553	3/4	107,989	3/4	121,424
4	1,532	4	14,545	4	27,981	4	41,122	4	54,526	4	67,962	4	81,397	4	94,833	4	108,269	4	121,704
1/4	1,742	1/4	14,825	1/4	28,260	1/4	41,394	1/4	54,806	1/4	68,242	1/4	81,677	1/4	95,113	1/4	108,549	1/4	121,984
1/2	1,952	1/2	15,105	1/2	28,540	1/2	41,666	1/2	55,086	1/2	68,521	1/2	81,957	1/2	95,393	1/2	108,829	1/2	122,264
3/4	2,162	3/4	15,385	3/4	28,820	3/4	41,938	3/4	55,366	3/4	68,801	3/4	82,237	3/4	95,673	3/4	109,108	3/4	122,544
5	2,372	5	15,665	5	29,100	5	42,210	5	55,646	5	69,081	5	82,517	5	95,953	5	109,388	5	122,824
1/4	2,628	1/4	15,945	1/4	29,380	1/4	42,490	1/4	55,925	1/4	69,361	1/4	82,797	1/4	96,233	1/4	109,668	1/4	123,104
1/2	2,883	1/2	16,225	1/2	29,660	1/2	42,770	1/2	56,205	1/2	69,641	1/2	83,077	1/2	96,512	1/2	109,948	1/2	123,384
3/4	3,139	3/4	16,505	3/4	29,940	3/4	43,050	3/4	56,485	3/4	69,921	3/4	83,357	3/4	96,792	3/4	110,228	3/4	123,664
6	3,395	6	16,784	6	30,220	6	43,329	6	56,765	6	70,201	6	83,637	6	97,072	6	110,508	6	123,944
1/4	3,669	1/4	17,064	1/4	30,500	1/4	43,609	1/4	57,045	1/4	70,481	1/4	83,916	1/4	97,352	1/4	110,788	1/4	124,224
1/2	3,944	1/2	17,344	1/2	30,780	1/2	43,889	1/2	57,325	1/2	70,761	1/2	84,196	1/2	97,632	1/2	111,068	1/2	124,503
3/4	4,218	3/4	17,624	3/4	31,059	3/4	44,169	3/4	57,605	3/4	71,041	3/4	84,476	3/4	97,912	3/4	111,348	3/4	124,783
7	4,492	7	17,904	7	31,339	7	44,449	7	57,885	7	71,321	7	84,756	7	98,192	7	111,628	7	125,063
1/4	4,769	1/4	18,184	1/4	31,611	1/4	44,729	1/4	58,165	1/4	71,600	1/4	85,036	1/4	98,472	1/4	111,908	1/4	125,343
1/2	5,046	1/2	18,464	1/2	31,883	1/2	45,009	1/2	58,445	1/2	71,880	1/2	85,316	1/2	98,752	1/2	112,187	1/2	125,623
3/4	5,323	3/4	18,744	3/4	32,155	3/4	45,289	3/4	58,725	3/4	72,160	3/4	85,596	3/4	99,032	3/4	112,467	3/4	125,903
8	5,600	8	19,024	8	32,428	8	45,569	8	59,004	8	72,440	8	85,876	8	99,312	8	112,747	8	126,183
1/4	5,878	1/4	19,304	1/4	32,699	1/4	45,849	1/4	59,284	1/4	72,720	1/4	86,156	1/4	99,591	1/4	113,027	1/4	126,463
1/2	6,156	1/2	19,583	1/2	32,971	1/2	46,129	1/2	59,564	1/2	73,000	1/2	86,436	1/2	99,871	1/2	113,307	1/2	126,743
3/4	6,434	3/4	19,863	3/4	33,243	3/4	46,408	3/4	59,844	3/4	73,280	3/4	86,716	3/4	100,151	3/4	113,587	3/4	127,023
9	6,712	9	20,143	9	33,514	9	46,688	9	60,124	9	73,560	9	86,995	9	100,431	9	113,867	9	127,303
1/4	6,991	1/4	20,423	1/4	33,786	1/4	46,968	1/4	60,404	1/4	73,840	1/4	87,275	1/4	100,711	1/4	114,147	1/4	127,583
1/2	7,271	1/2	20,703	1/2	34,058	1/2	47,248	1/2	60,684	1/2	74,120	1/2	87,555	1/2	100,991	1/2	114,427	1/2	127,862
3/4	7,550	3/4	20,983	3/4	34,329	3/4	47,528	3/4	60,964	3/4	74,400	3/4	87,835	3/4	101,271	3/4	114,707	3/4	128,142
10	7,829	10	21,263	10	34,601	10	47,808	10	61,244	10	74,679	10	88,115	10	101,551	10	114,987	10	128,422
1/4	8,108	1/4	21,543	1/4	34,873	1/4	48,088	1/4	61,524	1/4	74,959	1/4	88,395	1/4	101,831	1/4	115,266	1/4	128,702
1/2	8,388	1/2	21,823	1/2	35,144	1/2	48,368	1/2	61,804	1/2	75,239	1/2	88,675	1/2	102,111	1/2	115,546	1/2	128,982
3/4	8,668	3/4	22,103	3/4	35,416	3/4	48,648	3/4	62,083	3/4	75,519	3/4	88,955	3/4	102,391	3/4	115,826	3/4	129,262
11	8,947	11	22,383	11	35,688	11	48,928	11	62,363	11	75,799	11	89,235	11	102,670	11	116,106	11	129,542
1/4	9,227	1/4	22,662	1/4	35,960	1/4	49,208	1/4	62,643	1/4	76,079	1/4	89,515	1/4	102,950	1/4	116,386	1/4	129,822
1/2	9,507	1/2	22,942	1/2	36,231	1/2	49,488	1/2	62,923	1/2	76,359	1/2	89,795	1/2	103,230	1/2	116,666	1/2	130,102
3/4	9,787	3/4	23,222	3/4	36,503	3/4	49,767	3/4	63,203	3/4	76,639	3/4	90,075	3/4	103,510	3/4	116,946	3/4	130,382

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 ON CENTERLINE AND 37'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CBC 1403"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	130,941	1/4	144,377	1/4	157,813	1/4	171,249	1/4	184,684	1/4		1/4		1/4		1/4		1/4	
1/2	131,221	1/2	144,657	1/2	158,093	1/2	171,528	1/2	184,964	1/2		1/2		1/2		1/2		1/2	
3/4	131,501	3/4	144,937	3/4	158,373	3/4	171,808	3/4	185,244	3/4		3/4		3/4		3/4		3/4	
1	131,781	1	145,217	1	158,653	1	172,088	1	185,524	1	1	1	1	1	1	1	1	1	1
1/4	132,061	1/4	145,497	1/4	158,932	1/4	172,368	1/4	185,804	1/4		1/4		1/4		1/4		1/4	
1/2	132,341	1/2	145,777	1/2	159,212	1/2	172,648	1/2	186,084	1/2		1/2		1/2		1/2		1/2	
3/4	132,621	3/4	146,057	3/4	159,492	3/4	172,928	3/4	186,364	3/4		3/4		3/4		3/4		3/4	
2	132,901	2	146,337	2	159,772	2	173,208	2	186,644	2	2	2	2	2	2	2	2	2	2
1/4	133,181	1/4	146,616	1/4	160,052	1/4	173,488	1/4	186,924	1/4		1/4		1/4		1/4		1/4	
1/2	133,461	1/2	146,896	1/2	160,332	1/2	173,768	1/2	187,203	1/2		1/2		1/2		1/2		1/2	
3/4	133,741	3/4	147,176	3/4	160,612	3/4	174,048	3/4	187,483	3/4		3/4		3/4		3/4		3/4	
3	134,020	3	147,456	3	160,892	3	174,328	3	187,763	3	3	3	3	3	3	3	3	3	3
1/4	134,300	1/4	147,736	1/4	161,172	1/4	174,607	1/4	188,020	1/4		1/4		1/4		1/4		1/4	
1/2	134,580	1/2	148,016	1/2	161,452	1/2	174,887	1/2	188,276	1/2		1/2		1/2		1/2		1/2	
3/4	134,860	3/4	148,296	3/4	161,732	3/4	175,167	3/4	188,533	3/4		3/4		3/4		3/4		3/4	
4	135,140	4	148,576	4	162,011	4	175,447	4	188,790	4	4	4	4	4	4	4	4	4	4
1/4	135,420	1/4	148,856	1/4	162,291	1/4	175,727	1/4	188,999	1/4		1/4		1/4		1/4		1/4	
1/2	135,700	1/2	149,136	1/2	162,571	1/2	176,007	1/2	189,209	1/2		1/2		1/2		1/2		1/2	
3/4	135,980	3/4	149,416	3/4	162,851	3/4	176,287	3/4	189,419	3/4		3/4		3/4		3/4		3/4	
5	136,260	5	149,695	5	163,131	5	176,567	5	189,629	5	5	5	5	5	5	5	5	5	5
1/4	136,540	1/4	149,975	1/4	163,411	1/4	176,847	1/4	189,793	1/4		1/4		1/4		1/4		1/4	
1/2	136,820	1/2	150,255	1/2	163,691	1/2	177,127	1/2	189,956	1/2		1/2		1/2		1/2		1/2	
3/4	137,099	3/4	150,535	3/4	163,971	3/4	177,407	3/4	190,119	3/4		3/4		3/4		3/4		3/4	
6	137,379	6	150,815	6	164,251	6	177,686	6	190,282	6	6	6	6	6	6	6	6	6	6
1/4	137,659	1/4	151,095	1/4	164,531	1/4	177,966	1/4	190,399	1/4		1/4		1/4		1/4		1/4	
1/2	137,939	1/2	151,375	1/2	164,811	1/2	178,246	1/2	190,516	1/2		1/2		1/2		1/2		1/2	
3/4	138,219	3/4	151,655	3/4	165,090	3/4	178,526	3/4	190,632	3/4		3/4		3/4		3/4		3/4	
7	138,499	7	151,935	7	165,370	7	178,806	7	190,749	7	7	7	7	7	7	7	7	7	7
1/4	138,779	1/4	152,215	1/4	165,650	1/4	179,086	1/4	190,819	1/4		1/4		1/4		1/4		1/4	
1/2	139,059	1/2	152,495	1/2	165,930	1/2	179,366	1/2	190,889	1/2		1/2		1/2		1/2		1/2	
3/4	139,339	3/4	152,774	3/4	166,210	3/4	179,646	3/4	190,959	3/4		3/4		3/4		3/4		3/4	
8	139,619	8	153,054	8	166,490	8	179,926	8	191,029	8	8	8	8	8	8	8	8	8	8
1/4	139,899	1/4	153,334	1/4	166,770	1/4	180,206	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	140,178	1/2	153,614	1/2	167,050	1/2	180,486	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	140,458	3/4	153,894	3/4	167,330	3/4	180,765	3/4		3/4		3/4		3/4		3/4		3/4	
9	140,738	9	154,174	9	167,610	9	181,045	9	191,029	9	9	9	9	9	9	9	9	9	9
1/4	141,018	1/4	154,454	1/4	167,890	1/4	181,325	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	141,298	1/2	154,734	1/2	168,170	1/2	181,605	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	141,578	3/4	155,014	3/4	168,449	3/4	181,885	3/4		3/4		3/4		3/4		3/4		3/4	
10	141,858	10	155,294	10	168,729	10	182,165	10	191,029	10	10	10	10	10	10	10	10	10	10
1/4	142,138	1/4	155,574	1/4	169,009	1/4	182,445	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	142,418	1/2	155,853	1/2	169,289	1/2	182,725	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	142,698	3/4	156,133	3/4	169,569	3/4	183,005	3/4		3/4		3/4		3/4		3/4		3/4	
11	142,978	11	156,413	11	169,849	11	183,285	11	191,029	11	11	11	11	11	11	11	11	11	11
1/4	143,257	1/4	156,693	1/4	170,129	1/4	183,565	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	143,537	1/2	156,973	1/2	170,409	1/2	183,844	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	143,817	3/4	157,253	3/4	170,689	3/4	184,124	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/07/2018 CL
CALCULATED: 06/07/2018 CL
PRINTED: 06/07/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1403"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	8,992	0	20,988	0	32,969	0	44,953	0	56,949	0	68,945	0	80,941	0	92,937	0	104,933
1/4	60	1/4	9,242	1/4	21,238	1/4	33,218	1/4	45,203	1/4	57,199	1/4	69,195	1/4	81,191	1/4	93,187	1/4	105,183
1/2	81	1/2	9,492	1/2	21,488	1/2	33,467	1/2	45,453	1/2	57,449	1/2	69,445	1/2	81,441	1/2	93,437	1/2	105,433
3/4	102	3/4	9,742	3/4	21,737	3/4	33,717	3/4	45,703	3/4	57,699	3/4	69,695	3/4	81,691	3/4	93,687	3/4	105,682
1	123	1	9,992	1	21,987	1	33,966	1	45,953	1	57,949	1	69,945	1	81,941	1	93,936	1	105,932
1/4	185	1/4	10,242	1/4	22,237	1/4	34,215	1/4	46,203	1/4	58,199	1/4	70,195	1/4	82,191	1/4	94,186	1/4	106,182
1/2	248	1/2	10,492	1/2	22,487	1/2	34,464	1/2	46,453	1/2	58,449	1/2	70,445	1/2	82,440	1/2	94,436	1/2	106,432
3/4	310	3/4	10,742	3/4	22,737	3/4	34,713	3/4	46,703	3/4	58,699	3/4	70,694	3/4	82,690	3/4	94,686	3/4	106,682
2	373	2	10,992	2	22,987	2	34,963	2	46,953	2	58,948	2	70,944	2	82,940	2	94,936	2	106,932
1/4	477	1/4	11,241	1/4	23,237	1/4	35,212	1/4	47,203	1/4	59,198	1/4	71,194	1/4	83,190	1/4	95,186	1/4	107,182
1/2	581	1/2	11,491	1/2	23,487	1/2	35,461	1/2	47,452	1/2	59,448	1/2	71,444	1/2	83,440	1/2	95,436	1/2	107,432
3/4	685	3/4	11,741	3/4	23,737	3/4	35,710	3/4	47,702	3/4	59,698	3/4	71,694	3/4	83,690	3/4	95,686	3/4	107,682
3	789	3	11,991	3	23,987	3	35,959	3	47,952	3	59,948	3	71,944	3	83,940	3	95,936	3	107,932
1/4	935	1/4	12,241	1/4	24,237	1/4	36,208	1/4	48,202	1/4	60,198	1/4	72,194	1/4	84,190	1/4	96,186	1/4	108,182
1/2	1,081	1/2	12,491	1/2	24,486	1/2	36,458	1/2	48,452	1/2	60,448	1/2	72,444	1/2	84,440	1/2	96,436	1/2	108,431
3/4	1,226	3/4	12,741	3/4	24,736	3/4	36,707	3/4	48,702	3/4	60,698	3/4	72,694	3/4	84,690	3/4	96,686	3/4	108,681
4	1,372	4	12,991	4	24,986	4	36,956	4	48,952	4	60,948	4	72,944	4	84,940	4	96,936	4	108,931
1/4	1,560	1/4	13,241	1/4	25,236	1/4	37,206	1/4	49,202	1/4	61,198	1/4	73,194	1/4	85,189	1/4	97,185	1/4	109,181
1/2	1,747	1/2	13,491	1/2	25,486	1/2	37,456	1/2	49,452	1/2	61,448	1/2	73,444	1/2	85,439	1/2	97,435	1/2	109,431
3/4	1,934	3/4	13,741	3/4	25,736	3/4	37,706	3/4	49,702	3/4	61,698	3/4	73,693	3/4	85,689	3/4	97,685	3/4	109,681
5	2,122	5	13,990	5	25,986	5	37,956	5	49,952	5	61,947	5	73,943	5	85,939	5	97,935	5	109,931
1/4	2,350	1/4	14,240	1/4	26,236	1/4	38,206	1/4	50,202	1/4	62,197	1/4	74,193	1/4	86,189	1/4	98,185	1/4	110,181
1/2	2,579	1/2	14,490	1/2	26,486	1/2	38,456	1/2	50,451	1/2	62,447	1/2	74,443	1/2	86,439	1/2	98,435	1/2	110,431
3/4	2,807	3/4	14,740	3/4	26,736	3/4	38,705	3/4	50,701	3/4	62,697	3/4	74,693	3/4	86,689	3/4	98,685	3/4	110,681
6	3,036	6	14,990	6	26,985	6	38,955	6	50,951	6	62,947	6	74,943	6	86,939	6	98,935	6	110,931
1/4	3,281	1/4	15,240	1/4	27,235	1/4	39,205	1/4	51,201	1/4	63,197	1/4	75,193	1/4	87,189	1/4	99,185	1/4	111,181
1/2	3,525	1/2	15,490	1/2	27,485	1/2	39,455	1/2	51,451	1/2	63,447	1/2	75,443	1/2	87,439	1/2	99,435	1/2	111,430
3/4	3,770	3/4	15,740	3/4	27,734	3/4	39,705	3/4	51,701	3/4	63,697	3/4	75,693	3/4	87,689	3/4	99,684	3/4	111,680
7	4,015	7	15,990	7	27,984	7	39,955	7	51,951	7	63,947	7	75,943	7	87,939	7	99,934	7	111,930
1/4	4,262	1/4	16,240	1/4	28,233	1/4	40,205	1/4	52,201	1/4	64,197	1/4	76,193	1/4	88,188	1/4	100,184	1/4	112,180
1/2	4,510	1/2	16,489	1/2	28,483	1/2	40,455	1/2	52,451	1/2	64,447	1/2	76,442	1/2	88,438	1/2	100,434	1/2	112,430
3/4	4,757	3/4	16,739	3/4	28,732	3/4	40,705	3/4	52,701	3/4	64,697	3/4	76,692	3/4	88,688	3/4	100,684	3/4	112,680
8	5,004	8	16,989	8	28,982	8	40,955	8	52,951	8	64,946	8	76,942	8	88,938	8	100,934	8	112,930
1/4	5,252	1/4	17,239	1/4	29,231	1/4	41,205	1/4	53,200	1/4	65,196	1/4	77,192	1/4	89,188	1/4	101,184	1/4	113,180
1/2	5,500	1/2	17,489	1/2	29,480	1/2	41,455	1/2	53,450	1/2	65,446	1/2	77,442	1/2	89,438	1/2	101,434	1/2	113,430
3/4	5,749	3/4	17,739	3/4	29,729	3/4	41,704	3/4	53,700	3/4	65,696	3/4	77,692	3/4	89,688	3/4	101,684	3/4	113,680
9	5,997	9	17,989	9	29,979	9	41,954	9	53,950	9	65,946	9	77,942	9	89,938	9	101,934	9	113,930
1/4	6,246	1/4	18,239	1/4	30,228	1/4	42,204	1/4	54,200	1/4	66,196	1/4	78,192	1/4	90,188	1/4	102,184	1/4	114,180
1/2	6,496	1/2	18,489	1/2	30,477	1/2	42,454	1/2	54,450	1/2	66,446	1/2	78,442	1/2	90,438	1/2	102,434	1/2	114,429
3/4	6,745	3/4	18,739	3/4	30,726	3/4	42,704	3/4	54,700	3/4	66,696	3/4	78,692	3/4	90,688	3/4	102,683	3/4	114,679
10	6,994	10	18,989	10	30,975	10	42,954	10	54,950	10	66,946	10	78,942	10	90,938	10	102,933	10	114,929
1/4	7,244	1/4	19,238	1/4	31,225	1/4	43,204	1/4	55,200	1/4	67,196	1/4	79,192	1/4	91,187	1/4	103,183	1/4	115,179
1/2	7,493	1/2	19,488	1/2	31,474	1/2	43,454	1/2	55,450	1/2	67,446	1/2	79,441	1/2	91,437	1/2	103,433	1/2	115,429
3/4	7,743	3/4	19,738	3/4	31,723	3/4	43,704	3/4	55,700	3/4	67,695	3/4	79,691	3/4	91,687	3/4	103,683	3/4	115,679
11	7,993	11	19,988	11	31,972	11	43,954	11	55,950	11	67,945	11	79,941	11	91,937	11	103,933	11	115,929
1/4	8,243	1/4	20,238	1/4	32,221	1/4	44,204	1/4	56,199	1/4	68,195	1/4	80,191	1/4	92,187	1/4	104,183	1/4	116,179
1/2	8,493	1/2	20,488	1/2	32,471	1/2	44,453	1/2	56,449	1/2	68,445	1/2	80,441	1/2	92,437	1/2	104,433	1/2	116,429
3/4	8,742	3/4	20,738	3/4	32,720	3/4	44,703	3/4	56,699	3/4	68,695	3/4	80,691	3/4	92,687	3/4	104,683	3/4	116,679

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 30'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
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 Pearland, Texas 77588
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BARGE "CBC 1403"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	116,929	0	128,924	0	140,920	0	152,916	0	164,912	0		0		0		0		0	
1/4	117,178	1/4	129,174	1/4	141,170	1/4	153,166	1/4	165,162	1/4		1/4		1/4		1/4		1/4	
1/2	117,428	1/2	129,424	1/2	141,420	1/2	153,416	1/2	165,412	1/2		1/2		1/2		1/2		1/2	
3/4	117,678	3/4	129,674	3/4	141,670	3/4	153,666	3/4	165,662	3/4		3/4		3/4		3/4		3/4	
1	117,928	1	129,924	1	141,920	1	153,916	1	165,912	1		1		1		1		1	
1/4	118,178	1/4	130,174	1/4	142,170	1/4	154,166	1/4	166,162	1/4		1/4		1/4		1/4		1/4	
1/2	118,428	1/2	130,424	1/2	142,420	1/2	154,416	1/2	166,412	1/2		1/2		1/2		1/2		1/2	
3/4	118,678	3/4	130,674	3/4	142,670	3/4	154,666	3/4	166,661	3/4		3/4		3/4		3/4		3/4	
2	118,928	2	130,924	2	142,920	2	154,916	2	166,911	2		2		2		2		2	
1/4	119,178	1/4	131,174	1/4	143,170	1/4	155,165	1/4	167,161	1/4		1/4		1/4		1/4		1/4	
1/2	119,428	1/2	131,424	1/2	143,419	1/2	155,415	1/2	167,411	1/2		1/2		1/2		1/2		1/2	
3/4	119,678	3/4	131,674	3/4	143,669	3/4	155,665	3/4	167,661	3/4		3/4		3/4		3/4		3/4	
3	119,928	3	131,923	3	143,919	3	155,915	3	167,911	3		3		3		3		3	
1/4	120,177	1/4	132,173	1/4	144,169	1/4	156,165	1/4	168,140	1/4		1/4		1/4		1/4		1/4	
1/2	120,427	1/2	132,423	1/2	144,419	1/2	156,415	1/2	168,369	1/2		1/2		1/2		1/2		1/2	
3/4	120,677	3/4	132,673	3/4	144,669	3/4	156,665	3/4	168,598	3/4		3/4		3/4		3/4		3/4	
4	120,927	4	132,923	4	144,919	4	156,915	4	168,827	4		4		4		4		4	
1/4	121,177	1/4	133,173	1/4	145,169	1/4	157,165	1/4	169,015	1/4		1/4		1/4		1/4		1/4	
1/2	121,427	1/2	133,423	1/2	145,419	1/2	157,415	1/2	169,202	1/2		1/2		1/2		1/2		1/2	
3/4	121,677	3/4	133,673	3/4	145,669	3/4	157,665	3/4	169,390	3/4		3/4		3/4		3/4		3/4	
5	121,927	5	133,923	5	145,919	5	157,914	5	169,577	5		5		5		5		5	
1/4	122,177	1/4	134,173	1/4	146,169	1/4	158,164	1/4	169,723	1/4		1/4		1/4		1/4		1/4	
1/2	122,427	1/2	134,423	1/2	146,418	1/2	158,414	1/2	169,869	1/2		1/2		1/2		1/2		1/2	
3/4	122,677	3/4	134,672	3/4	146,668	3/4	158,664	3/4	170,014	3/4		3/4		3/4		3/4		3/4	
6	122,927	6	134,922	6	146,918	6	158,914	6	170,160	6		6		6		6		6	
1/4	123,176	1/4	135,172	1/4	147,168	1/4	159,164	1/4	170,264	1/4		1/4		1/4		1/4		1/4	
1/2	123,426	1/2	135,422	1/2	147,418	1/2	159,414	1/2	170,369	1/2		1/2		1/2		1/2		1/2	
3/4	123,676	3/4	135,672	3/4	147,668	3/4	159,664	3/4	170,473	3/4		3/4		3/4		3/4		3/4	
7	123,926	7	135,922	7	147,918	7	159,914	7	170,577	7		7		7		7		7	
1/4	124,176	1/4	136,172	1/4	148,168	1/4	160,164	1/4	170,639	1/4		1/4		1/4		1/4		1/4	
1/2	124,426	1/2	136,422	1/2	148,418	1/2	160,414	1/2	170,702	1/2		1/2		1/2		1/2		1/2	
3/4	124,676	3/4	136,672	3/4	148,668	3/4	160,664	3/4	170,764	3/4		3/4		3/4		3/4		3/4	
8	124,926	8	136,922	8	148,918	8	160,913	8	170,827	8		8		8		8		8	
1/4	125,176	1/4	137,172	1/4	149,167	1/4	161,163	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	125,426	1/2	137,422	1/2	149,417	1/2	161,413	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	125,676	3/4	137,671	3/4	149,667	3/4	161,663	3/4		3/4		3/4		3/4		3/4		3/4	
9	125,925	9	137,921	9	149,917	9	161,913	9		9		9		9		9		9	
1/4	126,175	1/4	138,171	1/4	150,167	1/4	162,163	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,425	1/2	138,421	1/2	150,417	1/2	162,413	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,675	3/4	138,671	3/4	150,667	3/4	162,663	3/4		3/4		3/4		3/4		3/4		3/4	
10	126,925	10	138,921	10	150,917	10	162,913	10		10		10		10		10		10	
1/4	127,175	1/4	139,171	1/4	151,167	1/4	163,163	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,425	1/2	139,421	1/2	151,417	1/2	163,413	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,675	3/4	139,671	3/4	151,667	3/4	163,663	3/4		3/4		3/4		3/4		3/4		3/4	
11	127,925	11	139,921	11	151,917	11	163,912	11		11		11		11		11		11	
1/4	128,175	1/4	140,171	1/4	152,166	1/4	164,162	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,425	1/2	140,420	1/2	152,416	1/2	164,412	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,675	3/4	140,670	3/4	152,666	3/4	164,662	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/07/2018 CL
CALCULATED: 06/07/2018 CL
PRINTED: 06/07/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1403"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-3/8	01-3/8	- 01-5/8	01-5/8
2 CENTER	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2	01-3/4	- 01-3/4
3 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 178'-06"

June 7, 2018

**PRECISION MEASUREMENT
& ANALYSIS, INC.**
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 Pearland, Texas 77588

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BARGE "CBC 1403"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	144,221	0	136,099	0	127,977	0	119,863	0	109,306	0	97,718	0	86,129	0	85,887
1/4	1/4	1/4	1/4	1/4	144,051	1/4	135,930	1/4	127,808	1/4	119,694	1/4	109,065	1/4	97,476	1/4	85,887	1/4	85,887
1/2	1/2	1/2	1/2	151,442	143,882	1/2	135,760	1/2	127,638	1/2	119,526	1/2	108,824	1/2	97,235	1/2	85,646	1/2	85,646
3/4	3/4	3/4	3/4	151,382	143,713	3/4	135,591	3/4	127,469	3/4	119,357	3/4	108,582	3/4	96,993	3/4	85,405	3/4	85,405
1	1	1	1	151,322	143,544	1	135,422	1	127,300	1	119,188	1	108,341	1	96,752	1	85,163	1	85,163
1/4	1/4	1/4	1/4	151,261	143,375	1/4	135,253	1/4	127,131	1/4	119,020	1/4	108,099	1/4	96,511	1/4	84,922	1/4	84,922
1/2	1/2	1/2	1/2	151,201	143,205	1/2	135,084	1/2	126,962	1/2	118,851	1/2	107,858	1/2	96,269	1/2	84,680	1/2	84,680
3/4	3/4	3/4	3/4	151,100	143,036	3/4	134,914	3/4	126,792	3/4	118,682	3/4	107,616	3/4	96,028	3/4	84,439	3/4	84,439
2	2	2	2	150,999	142,867	2	134,745	2	126,623	2	118,514	2	107,375	2	95,786	2	84,197	2	84,197
1/4	1/4	1/4	1/4	150,898	142,698	1/4	134,576	1/4	126,454	1/4	118,345	1/4	107,134	1/4	95,545	1/4	83,956	1/4	83,956
1/2	1/2	1/2	1/2	150,797	142,529	1/2	134,407	1/2	126,285	1/2	118,177	1/2	106,892	1/2	95,303	1/2	83,714	1/2	83,714
3/4	3/4	3/4	3/4	150,656	142,359	3/4	134,237	3/4	126,116	3/4	118,008	3/4	106,651	3/4	95,062	3/4	83,473	3/4	83,473
3	3	3	3	150,515	142,190	3	134,068	3	125,946	3	117,840	3	106,409	3	94,821	3	83,232	3	83,232
1/4	1/4	1/4	1/4	150,374	142,021	1/4	133,899	1/4	125,777	1/4	117,672	1/4	106,168	1/4	94,579	1/4	82,990	1/4	82,990
1/2	1/2	1/2	1/2	150,233	141,852	1/2	133,730	1/2	125,608	1/2	117,504	1/2	105,926	1/2	94,338	1/2	82,749	1/2	82,749
3/4	3/4	3/4	3/4	150,051	141,683	3/4	133,561	3/4	125,439	3/4	117,263	3/4	105,685	3/4	94,096	3/4	82,508	3/4	82,508
4	4	4	4	149,870	141,513	4	133,391	4	125,270	4	117,022	4	105,444	4	93,855	4	82,267	4	82,267
1/4	1/4	1/4	1/4	149,689	141,344	1/4	133,222	1/4	125,100	1/4	116,781	1/4	105,202	1/4	93,613	1/4	82,027	1/4	82,027
1/2	1/2	1/2	1/2	149,507	141,175	1/2	133,053	1/2	124,931	1/2	116,540	1/2	104,961	1/2	93,372	1/2	81,786	1/2	81,786
3/4	3/4	3/4	3/4	149,285	141,006	3/4	132,884	3/4	124,762	3/4	116,300	3/4	104,719	3/4	93,131	3/4	81,546	3/4	81,546
5	5	5	5	149,064	140,837	5	132,715	5	124,593	5	116,059	5	104,478	5	92,889	5	81,306	5	81,306
1/4	1/4	1/4	1/4	148,842	140,667	1/4	132,545	1/4	124,424	1/4	115,818	1/4	104,236	1/4	92,648	1/4	81,066	1/4	81,066
1/2	1/2	1/2	1/2	148,620	140,498	1/2	132,376	1/2	124,254	1/2	115,577	1/2	103,995	1/2	92,406	1/2	80,826	1/2	80,826
3/4	3/4	3/4	3/4	148,451	140,329	3/4	132,207	3/4	124,085	3/4	115,336	3/4	103,754	3/4	92,165	3/4	80,586	3/4	80,586
6	6	6	6	148,282	140,160	6	132,038	6	123,916	6	115,095	6	103,512	6	91,923	6	80,346	6	80,346
1/4	1/4	1/4	1/4	148,112	139,990	1/4	131,869	1/4	123,747	1/4	114,854	1/4	103,271	1/4	91,682	1/4	80,106	1/4	80,106
1/2	1/2	1/2	1/2	147,943	139,821	1/2	131,699	1/2	123,578	1/2	114,613	1/2	103,029	1/2	91,440	1/2	79,866	1/2	79,866
3/4	3/4	3/4	3/4	147,774	139,652	3/4	131,530	3/4	123,408	3/4	114,373	3/4	102,788	3/4	91,199	3/4	79,626	3/4	79,626
7	7	7	7	147,605	139,483	7	131,361	7	123,239	7	114,132	7	102,546	7	90,958	7	79,386	7	79,386
1/4	1/4	1/4	1/4	147,436	139,314	1/4	131,192	1/4	123,070	1/4	113,891	1/4	102,305	1/4	90,716	1/4	79,146	1/4	79,146
1/2	1/2	1/2	1/2	147,266	139,144	1/2	131,023	1/2	122,901	1/2	113,650	1/2	102,063	1/2	90,475	1/2	78,906	1/2	78,906
3/4	3/4	3/4	3/4	147,097	138,975	3/4	130,853	3/4	122,731	3/4	113,409	3/4	101,822	3/4	90,233	3/4	78,666	3/4	78,666
8	8	8	8	146,928	138,806	8	130,684	8	122,562	8	113,168	8	101,581	8	89,992	8	78,426	8	78,426
1/4	1/4	1/4	1/4	146,759	138,637	1/4	130,515	1/4	122,393	1/4	112,927	1/4	101,339	1/4	89,750	1/4	78,186	1/4	78,186
1/2	1/2	1/2	1/2	146,590	138,468	1/2	130,346	1/2	122,224	1/2	112,686	1/2	101,098	1/2	89,509	1/2	77,946	1/2	77,946
3/4	3/4	3/4	3/4	146,420	138,298	3/4	130,177	3/4	122,055	3/4	112,445	3/4	100,856	3/4	89,268	3/4	77,706	3/4	77,706
9	9	9	9	146,251	138,129	9	130,007	9	121,887	9	112,204	9	100,615	9	89,026	9	77,466	9	77,466
1/4	1/4	1/4	1/4	146,082	137,960	1/4	129,838	1/4	121,718	1/4	111,962	1/4	100,373	1/4	88,785	1/4	77,226	1/4	77,226
1/2	1/2	1/2	1/2	145,913	137,791	1/2	129,669	1/2	121,549	1/2	111,721	1/2	100,132	1/2	88,543	1/2	76,986	1/2	76,986
3/4	3/4	3/4	3/4	145,743	137,622	3/4	129,500	3/4	121,381	3/4	111,479	3/4	99,891	3/4	88,302	3/4	76,746	3/4	76,746
10	10	10	10	145,574	137,452	10	129,331	10	121,212	10	111,238	10	99,649	10	88,060	10	76,506	10	76,506
1/4	1/4	1/4	1/4	145,405	137,283	1/4	129,161	1/4	121,043	1/4	110,996	1/4	99,408	1/4	87,819	1/4	76,266	1/4	76,266
1/2	1/2	1/2	1/2	145,236	137,114	1/2	128,992	1/2	120,875	1/2	110,755	1/2	99,166	1/2	87,578	1/2	76,026	1/2	76,026
3/4	3/4	3/4	3/4	145,067	136,945	3/4	128,823	3/4	120,706	3/4	110,514	3/4	98,925	3/4	87,336	3/4	75,786	3/4	75,786
11	11	11	11	144,897	136,776	11	128,654	11	120,537	11	110,272	11	98,683	11	87,095	11	75,546	11	75,546
1/4	1/4	1/4	1/4	144,728	136,606	1/4	128,484	1/4	120,369	1/4	110,031	1/4	98,442	1/4	86,853	1/4	75,306	1/4	75,306
1/2	1/2	1/2	1/2	144,559	136,437	1/2	128,315	1/2	120,200	1/2	109,789	1/2	98,201	1/2	86,612	1/2	75,066	1/2	75,066
3/4	3/4	3/4	3/4	144,390	136,268	3/4	128,146	3/4	120,032	3/4	109,548	3/4	97,959	3/4	86,370	3/4	74,826	3/4	74,826

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 24'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
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BARGE "CBC 1403"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	74,585	0	63,006	0	51,422	0	39,838	0	28,469	0	16,931	0	5,326	0		0		0	
1/4	74,344	1/4	62,765	1/4	51,181	1/4	39,597	1/4	28,235	1/4	16,689	1/4	5,085	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,103	1/2	62,524	1/2	50,939	1/2	39,355	1/2	28,001	1/2	16,447	1/2	4,845	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,863	3/4	62,282	3/4	50,698	3/4	39,114	3/4	27,766	3/4	16,205	3/4	4,605	3/4	3/4	3/4	3/4	3/4	3/4
1	73,622	1	62,041	1	50,457	1	38,873	1	27,531	1	15,963	1	4,366	1	1	1	1	1	1
1/4	73,381	1/4	61,800	1/4	50,215	1/4	38,631	1/4	27,297	1/4	15,722	1/4	4,127	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,140	1/2	61,558	1/2	49,974	1/2	38,390	1/2	27,062	1/2	15,480	1/2	3,888	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,900	3/4	61,317	3/4	49,733	3/4	38,149	3/4	26,828	3/4	15,238	3/4	3,651	3/4	3/4	3/4	3/4	3/4	3/4
2	72,659	2	61,076	2	49,491	2	37,907	2	26,593	2	14,996	2	3,414	2	2	2	2	2	2
1/4	72,418	1/4	60,834	1/4	49,250	1/4	37,666	1/4	26,359	1/4	14,754	1/4	3,177	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,177	1/2	60,593	1/2	49,009	1/2	37,425	1/2	26,124	1/2	14,512	1/2	2,939	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,936	3/4	60,352	3/4	48,767	3/4	37,183	3/4	25,882	3/4	14,270	3/4	2,718	3/4	3/4	3/4	3/4	3/4	3/4
3	71,695	3	60,110	3	48,526	3	36,942	3	25,640	3	14,028	3	2,497	3	3	3	3	3	3
1/4	71,453	1/4	59,869	1/4	48,285	1/4	36,701	1/4	25,398	1/4	13,786	1/4	2,276	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,212	1/2	59,628	1/2	48,043	1/2	36,459	1/2	25,156	1/2	13,544	1/2	2,055	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,971	3/4	59,386	3/4	47,802	3/4	36,218	3/4	24,915	3/4	13,302	3/4	1,874	3/4	3/4	3/4	3/4	3/4	3/4
4	70,729	4	59,145	4	47,561	4	35,977	4	24,673	4	13,060	4	1,692	4	4	4	4	4	4
1/4	70,488	1/4	58,904	1/4	47,319	1/4	35,735	1/4	24,431	1/4	12,818	1/4	1,511	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,247	1/2	58,662	1/2	47,078	1/2	35,494	1/2	24,189	1/2	12,577	1/2	1,329	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,005	3/4	58,421	3/4	46,837	3/4	35,260	3/4	23,947	3/4	12,335	3/4	1,188	3/4	3/4	3/4	3/4	3/4	3/4
5	69,764	5	58,180	5	46,595	5	35,025	5	23,705	5	12,093	5	1,047	5	5	5	5	5	5
1/4	69,523	1/4	57,938	1/4	46,354	1/4	34,791	1/4	23,463	1/4	11,851	1/4	906	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,281	1/2	57,697	1/2	46,113	1/2	34,557	1/2	23,221	1/2	11,609	1/2	765	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,040	3/4	57,456	3/4	45,871	3/4	34,323	3/4	22,979	3/4	11,367	3/4	664	3/4	3/4	3/4	3/4	3/4	3/4
6	68,799	6	57,214	6	45,630	6	34,089	6	22,737	6	11,125	6	563	6	6	6	6	6	6
1/4	68,557	1/4	56,973	1/4	45,389	1/4	33,855	1/4	22,495	1/4	10,883	1/4	463	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,316	1/2	56,732	1/2	45,147	1/2	33,621	1/2	22,253	1/2	10,641	1/2	362	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,075	3/4	56,490	3/4	44,906	3/4	33,386	3/4	22,011	3/4	10,399	3/4	301	3/4	3/4	3/4	3/4	3/4	3/4
7	67,833	7	56,249	7	44,665	7	33,152	7	21,770	7	10,157	7	241	7	7	7	7	7	7
1/4	67,592	1/4	56,008	1/4	44,423	1/4	32,918	1/4	21,528	1/4	9,915	1/4	180	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,350	1/2	55,766	1/2	44,182	1/2	32,684	1/2	21,286	1/2	9,674	1/2	120	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,109	3/4	55,525	3/4	43,941	3/4	32,450	3/4	21,044	3/4	9,432	3/4	100	3/4	3/4	3/4	3/4	3/4	3/4
8	66,868	8	55,284	8	43,699	8	32,216	8	20,802	8	9,190	8	80	8	8	8	8	8	8
1/4	66,626	1/4	55,042	1/4	43,458	1/4	31,981	1/4	20,560	1/4	8,948	1/4	60	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,385	1/2	54,801	1/2	43,217	1/2	31,747	1/2	20,318	1/2	8,706	1/2	39	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,144	3/4	54,560	3/4	42,975	3/4	31,513	3/4	20,076	3/4	8,464	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	65,902	9	54,318	9	42,734	9	31,279	9	19,834	9	8,222	9		9	9	9	9	9	9
1/4	65,661	1/4	54,077	1/4	42,493	1/4	31,045	1/4	19,592	1/4	7,980	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,420	1/2	53,836	1/2	42,251	1/2	30,811	1/2	19,350	1/2	7,738	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,178	3/4	53,594	3/4	42,010	3/4	30,576	3/4	19,108	3/4	7,497	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	64,937	10	53,353	10	41,769	10	30,342	10	18,866	10	7,255	10		10	10	10	10	10	10
1/4	64,696	1/4	53,112	1/4	41,527	1/4	30,108	1/4	18,625	1/4	7,013	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,454	1/2	52,870	1/2	41,286	1/2	29,874	1/2	18,383	1/2	6,771	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,213	3/4	52,629	3/4	41,045	3/4	29,640	3/4	18,141	3/4	6,530	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	63,972	11	52,388	11	40,803	11	29,406	11	17,899	11	6,289	11		11	11	11	11	11	11
1/4	63,730	1/4	52,146	1/4	40,562	1/4	29,171	1/4	17,657	1/4	6,048	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,489	1/2	51,905	1/2	40,321	1/2	28,937	1/2	17,415	1/2	5,806	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,248	3/4	51,664	3/4	40,079	3/4	28,703	3/4	17,173	3/4	5,566	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/07/2018 CL
CALCULATED: 06/07/2018 CL
PRINTED: 06/07/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1403"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 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	190,959	0	179,646	0	166,210	0	152,774	0	139,339	0	125,903	0	112,467	0	99,032		
1/4	1/4	1/4	190,889	1/4	179,366	1/4	165,930	1/4	152,495	1/4	139,059	1/4	125,623	1/4	112,187	1/4	98,752		
1/2	1/2	1/2	190,819	1/2	179,086	1/2	165,650	1/2	152,215	1/2	138,779	1/2	125,343	1/2	111,908	1/2	98,472		
3/4	3/4	3/4	190,749	3/4	178,806	3/4	165,370	3/4	151,935	3/4	138,499	3/4	125,063	3/4	111,628	3/4	98,192		
1	1	1	190,632	1	178,526	1	165,090	1	151,655	1	138,219	1	124,783	1	111,348	1	97,912		
1/4	1/4	1/4	190,516	1/4	178,246	1/4	164,811	1/4	151,375	1/4	137,939	1/4	124,503	1/4	111,068	1/4	97,632		
1/2	1/2	1/2	190,399	1/2	177,966	1/2	164,531	1/2	151,095	1/2	137,659	1/2	124,224	1/2	110,788	1/2	97,352		
3/4	3/4	3/4	190,282	3/4	177,686	3/4	164,251	3/4	150,815	3/4	137,379	3/4	123,944	3/4	110,508	3/4	97,072		
2	2	2	190,119	2	177,407	2	163,971	2	150,535	2	137,099	2	123,664	2	110,228	2	96,792		
1/4	1/4	1/4	189,956	1/4	177,127	1/4	163,691	1/4	150,255	1/4	136,820	1/4	123,384	1/4	109,948	1/4	96,512		
1/2	1/2	1/2	189,793	1/2	176,847	1/2	163,411	1/2	149,975	1/2	136,540	1/2	123,104	1/2	109,668	1/2	96,233		
3/4	3/4	3/4	189,629	3/4	176,567	3/4	163,131	3/4	149,695	3/4	136,260	3/4	122,824	3/4	109,388	3/4	95,953		
3	3	3	189,419	3	176,287	3	162,851	3	149,416	3	135,980	3	122,544	3	109,108	3	95,673		
1/4	1/4	1/4	189,209	1/4	176,007	1/4	162,571	1/4	149,136	1/4	135,700	1/4	122,264	1/4	108,829	1/4	95,393		
1/2	1/2	1/2	188,999	1/2	175,727	1/2	162,291	1/2	148,856	1/2	135,420	1/2	121,984	1/2	108,549	1/2	95,113		
3/4	3/4	3/4	188,790	3/4	175,447	3/4	162,011	3/4	148,576	3/4	135,140	3/4	121,704	3/4	108,269	3/4	94,833		
4	4	4	188,533	4	175,167	4	161,732	4	148,296	4	134,860	4	121,424	4	107,989	4	94,553		
1/4	1/4	1/4	188,276	1/4	174,887	1/4	161,452	1/4	148,016	1/4	134,580	1/4	121,145	1/4	107,709	1/4	94,273		
1/2	1/2	1/2	188,020	1/2	174,607	1/2	161,172	1/2	147,736	1/2	134,300	1/2	120,865	1/2	107,429	1/2	93,993		
3/4	3/4	3/4	187,763	3/4	174,328	3/4	160,892	3/4	147,456	3/4	134,020	3/4	120,585	3/4	107,149	3/4	93,713		
5	5	5	187,483	5	174,048	5	160,612	5	147,176	5	133,741	5	120,305	5	106,869	5	93,433		
1/4	1/4	1/4	187,203	1/4	173,768	1/4	160,332	1/4	146,896	1/4	133,461	1/4	120,025	1/4	106,589	1/4	93,154		
1/2	1/2	1/2	186,924	1/2	173,488	1/2	160,052	1/2	146,616	1/2	133,181	1/2	119,745	1/2	106,309	1/2	92,874		
3/4	3/4	3/4	186,644	3/4	173,208	3/4	159,772	3/4	146,337	3/4	132,901	3/4	119,465	3/4	106,029	3/4	92,594		
6	6	6	186,364	6	172,928	6	159,492	6	146,057	6	132,621	6	119,185	6	105,749	6	92,314		
1/4	1/4	1/4	186,084	1/4	172,648	1/4	159,212	1/4	145,777	1/4	132,341	1/4	118,905	1/4	105,470	1/4	92,034		
1/2	1/2	1/2	185,804	1/2	172,368	1/2	158,932	1/2	145,497	1/2	132,061	1/2	118,625	1/2	105,190	1/2	91,754		
3/4	3/4	3/4	185,524	3/4	172,088	3/4	158,653	3/4	145,217	3/4	131,781	3/4	118,345	3/4	104,910	3/4	91,474		
7	7	7	185,244	7	171,808	7	158,373	7	144,937	7	131,501	7	118,066	7	104,630	7	91,194		
1/4	1/4	1/4	184,964	1/4	171,528	1/4	158,093	1/4	144,657	1/4	131,221	1/4	117,786	1/4	104,350	1/4	90,914		
1/2	1/2	1/2	184,684	1/2	171,249	1/2	157,813	1/2	144,377	1/2	130,941	1/2	117,506	1/2	104,070	1/2	90,634		
3/4	3/4	3/4	184,404	3/4	170,969	3/4	157,533	3/4	144,097	3/4	130,662	3/4	117,226	3/4	103,790	3/4	90,354		
8	8	8	184,124	8	170,689	8	157,253	8	143,817	8	130,382	8	116,946	8	103,510	8	90,075		
1/4	1/4	1/4	183,844	1/4	170,409	1/4	156,973	1/4	143,537	1/4	130,102	1/4	116,666	1/4	103,230	1/4	89,795		
1/2	1/2	1/2	183,565	1/2	170,129	1/2	156,693	1/2	143,257	1/2	129,822	1/2	116,386	1/2	102,950	1/2	89,515		
3/4	3/4	3/4	183,285	3/4	169,849	3/4	156,413	3/4	142,978	3/4	129,542	3/4	116,106	3/4	102,670	3/4	89,235		
9	9	9	183,005	9	169,569	9	156,133	9	142,698	9	129,262	9	115,826	9	102,391	9	88,955		
1/4	1/4	1/4	182,725	1/4	169,289	1/4	155,853	1/4	142,418	1/4	128,982	1/4	115,546	1/4	102,111	1/4	88,675		
1/2	1/2	1/2	182,445	1/2	169,009	1/2	155,574	1/2	142,138	1/2	128,702	1/2	115,266	1/2	101,831	1/2	88,395		
3/4	3/4	3/4	182,165	3/4	168,729	3/4	155,294	3/4	141,858	3/4	128,422	3/4	114,987	3/4	101,551	3/4	88,115		
10	10	10	181,885	10	168,449	10	155,014	10	141,578	10	128,142	10	114,707	10	101,271	10	87,835		
1/4	1/4	1/4	181,605	1/4	168,170	1/4	154,734	1/4	141,298	1/4	127,862	1/4	114,427	1/4	100,991	1/4	87,555		
1/2	1/2	1/2	181,325	1/2	167,890	1/2	154,454	1/2	141,018	1/2	127,583	1/2	114,147	1/2	100,711	1/2	87,275		
3/4	3/4	3/4	181,045	3/4	167,610	3/4	154,174	3/4	140,738	3/4	127,303	3/4	113,867	3/4	100,431	3/4	86,995		
11	11	11	180,765	11	167,330	11	153,894	11	140,458	11	127,023	11	113,587	11	100,151	11	86,716		
1/4	1/4	1/4	180,486	1/4	167,050	1/4	153,614	1/4	140,178	1/4	126,743	1/4	113,307	1/4	99,871	1/4	86,436		
1/2	1/2	1/2	180,206	1/2	166,770	1/2	153,334	1/2	139,899	1/2	126,463	1/2	113,027	1/2	99,591	1/2	86,156		
3/4	3/4	3/4	191,029	3/4	179,926	3/4	166,490	3/4	153,054	3/4	139,619	3/4	126,183	3/4	112,747	3/4	85,876		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 37'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "CBC 1403"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 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	85,596	0	72,160	0	58,725	0	45,289	0	32,155	0	18,744	0	5,323	0		0		0	
1/4	85,316	1/4	71,880	1/4	58,445	1/4	45,009	1/4	31,883	1/4	18,464	1/4	5,046	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,036	1/2	71,600	1/2	58,165	1/2	44,729	1/2	31,611	1/2	18,184	1/2	4,769	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,756	3/4	71,321	3/4	57,885	3/4	44,449	3/4	31,339	3/4	17,904	3/4	4,492	3/4	3/4	3/4	3/4	3/4	3/4
1	84,476	1	71,041	1	57,605	1	44,169	1	31,059	1	17,624	1	4,218	1	1	1	1	1	1
1/4	84,196	1/4	70,761	1/4	57,325	1/4	43,889	1/4	30,780	1/4	17,344	1/4	3,944	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,916	1/2	70,481	1/2	57,045	1/2	43,609	1/2	30,500	1/2	17,064	1/2	3,669	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,637	3/4	70,201	3/4	56,765	3/4	43,329	3/4	30,220	3/4	16,784	3/4	3,395	3/4	3/4	3/4	3/4	3/4	3/4
2	83,357	2	69,921	2	56,485	2	43,050	2	29,940	2	16,505	2	3,139	2	2	2	2	2	2
1/4	83,077	1/4	69,641	1/4	56,205	1/4	42,770	1/4	29,660	1/4	16,225	1/4	2,883	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,797	1/2	69,361	1/2	55,925	1/2	42,490	1/2	29,380	1/2	15,945	1/2	2,628	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,517	3/4	69,081	3/4	55,646	3/4	42,210	3/4	29,100	3/4	15,665	3/4	2,372	3/4	3/4	3/4	3/4	3/4	3/4
3	82,237	3	68,801	3	55,366	3	41,938	3	28,820	3	15,385	3	2,162	3	3	3	3	3	3
1/4	81,957	1/4	68,521	1/4	55,086	1/4	41,666	1/4	28,540	1/4	15,105	1/4	1,952	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,677	1/2	68,242	1/2	54,806	1/2	41,394	1/2	28,260	1/2	14,825	1/2	1,742	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,397	3/4	67,962	3/4	54,526	3/4	41,122	3/4	27,981	3/4	14,545	3/4	1,532	3/4	3/4	3/4	3/4	3/4	3/4
4	81,117	4	67,682	4	54,246	4	40,850	4	27,701	4	14,265	4	1,369	4	4	4	4	4	4
1/4	80,837	1/4	67,402	1/4	53,966	1/4	40,578	1/4	27,421	1/4	13,985	1/4	1,206	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,558	1/2	67,122	1/2	53,686	1/2	40,307	1/2	27,141	1/2	13,706	1/2	1,042	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,278	3/4	66,842	3/4	53,406	3/4	40,035	3/4	26,861	3/4	13,426	3/4	879	3/4	3/4	3/4	3/4	3/4	3/4
5	79,998	5	66,562	5	53,126	5	39,763	5	26,581	5	13,146	5	762	5	5	5	5	5	5
1/4	79,718	1/4	66,282	1/4	52,846	1/4	39,491	1/4	26,301	1/4	12,866	1/4	646	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,438	1/2	66,002	1/2	52,567	1/2	39,220	1/2	26,021	1/2	12,586	1/2	529	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,158	3/4	65,722	3/4	52,287	3/4	38,948	3/4	25,741	3/4	12,306	3/4	413	3/4	3/4	3/4	3/4	3/4	3/4
6	78,878	6	65,442	6	52,007	6	38,676	6	25,461	6	12,026	6	343	6	6	6	6	6	6
1/4	78,598	1/4	65,162	1/4	51,727	1/4	38,405	1/4	25,182	1/4	11,746	1/4	273	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,318	1/2	64,883	1/2	51,447	1/2	38,133	1/2	24,902	1/2	11,466	1/2	203	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,038	3/4	64,603	3/4	51,167	3/4	37,861	3/4	24,622	3/4	11,186	3/4	133	3/4	3/4	3/4	3/4	3/4	3/4
7	77,758	7	64,323	7	50,887	7	37,590	7	24,342	7	10,907	7	109	7	7	7	7	7	7
1/4	77,479	1/4	64,043	1/4	50,607	1/4	37,318	1/4	24,062	1/4	10,627	1/4	86	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,199	1/2	63,763	1/2	50,327	1/2	37,046	1/2	23,782	1/2	10,347	1/2	63	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,919	3/4	63,483	3/4	50,047	3/4	36,775	3/4	23,502	3/4	10,067	3/4	39	3/4	3/4	3/4	3/4	3/4	3/4
8	76,639	8	63,203	8	49,767	8	36,503	8	23,222	8	9,787	8		8	8	8	8	8	8
1/4	76,359	1/4	62,923	1/4	49,488	1/4	36,231	1/4	22,942	1/4	9,507	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,079	1/2	62,643	1/2	49,208	1/2	35,960	1/2	22,662	1/2	9,227	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,799	3/4	62,363	3/4	48,928	3/4	35,688	3/4	22,383	3/4	8,947	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	75,519	9	62,083	9	48,648	9	35,416	9	22,103	9	8,668	9		9	9	9	9	9	9
1/4	75,239	1/4	61,804	1/4	48,368	1/4	35,144	1/4	21,823	1/4	8,388	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,959	1/2	61,524	1/2	48,088	1/2	34,873	1/2	21,543	1/2	8,108	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,679	3/4	61,244	3/4	47,808	3/4	34,601	3/4	21,263	3/4	7,829	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	74,400	10	60,964	10	47,528	10	34,329	10	20,983	10	7,550	10		10	10	10	10	10	10
1/4	74,120	1/4	60,684	1/4	47,248	1/4	34,058	1/4	20,703	1/4	7,271	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,840	1/2	60,404	1/2	46,968	1/2	33,786	1/2	20,423	1/2	6,991	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,560	3/4	60,124	3/4	46,688	3/4	33,514	3/4	20,143	3/4	6,712	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	73,280	11	59,844	11	46,408	11	33,243	11	19,863	11	6,434	11		11	11	11	11	11	11
1/4	73,000	1/4	59,564	1/4	46,129	1/4	32,971	1/4	19,583	1/4	6,156	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,720	1/2	59,284	1/2	45,849	1/2	32,699	1/2	19,304	1/2	5,878	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,440	3/4	59,004	3/4	45,569	3/4	32,428	3/4	19,024	3/4	5,600	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/07/2018 CL
CALCULATED: 06/07/2018 CL
PRINTED: 06/07/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2018

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



BARGE "CBC 1403"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	161,663	0	149,667	0	137,671	0	125,676	0	113,680	0	101,684	0	89,688
1/4	1/4	1/4	1/4	1/4	1/4	1/4	161,413	1/4	149,417	1/4	137,422	1/4	125,426	1/4	113,430	1/4	101,434	1/4	89,438
1/2	1/2	1/2	1/2	1/2	1/2	1/2	161,163	1/2	149,167	1/2	137,172	1/2	125,176	1/2	113,180	1/2	101,184	1/2	89,188
3/4	3/4	3/4	3/4	3/4	3/4	3/4	170,827	3/4	148,918	3/4	136,922	3/4	124,926	3/4	112,930	3/4	100,934	3/4	88,938
1	1	1	1	1	1	1	170,764	1	148,668	1	136,672	1	124,676	1	112,680	1	100,684	1	88,688
1/4	1/4	1/4	1/4	1/4	1/4	1/4	170,702	1/4	148,418	1/4	136,422	1/4	124,426	1/4	112,430	1/4	100,434	1/4	88,438
1/2	1/2	1/2	1/2	1/2	1/2	1/2	170,639	1/2	148,168	1/2	136,172	1/2	124,176	1/2	112,180	1/2	100,184	1/2	88,188
3/4	3/4	3/4	3/4	3/4	3/4	3/4	170,577	3/4	147,918	3/4	135,922	3/4	123,926	3/4	111,930	3/4	99,934	3/4	87,939
2	2	2	2	2	2	2	170,473	2	147,668	2	135,672	2	123,676	2	111,680	2	99,684	2	87,689
1/4	1/4	1/4	1/4	1/4	1/4	1/4	170,369	1/4	147,418	1/4	135,422	1/4	123,426	1/4	111,430	1/4	99,435	1/4	87,439
1/2	1/2	1/2	1/2	1/2	1/2	1/2	170,264	1/2	147,168	1/2	135,172	1/2	123,176	1/2	111,181	1/2	99,185	1/2	87,189
3/4	3/4	3/4	3/4	3/4	3/4	3/4	170,160	3/4	146,918	3/4	134,922	3/4	122,927	3/4	110,931	3/4	98,935	3/4	86,939
3	3	3	3	3	3	3	170,014	3	146,668	3	134,672	3	122,677	3	110,681	3	98,685	3	86,689
1/4	1/4	1/4	1/4	1/4	1/4	1/4	169,869	1/4	146,418	1/4	134,423	1/4	122,427	1/4	110,431	1/4	98,435	1/4	86,439
1/2	1/2	1/2	1/2	1/2	1/2	1/2	169,723	1/2	146,169	1/2	134,173	1/2	122,177	1/2	110,181	1/2	98,185	1/2	86,189
3/4	3/4	3/4	3/4	3/4	3/4	3/4	169,577	3/4	145,919	3/4	133,923	3/4	121,927	3/4	109,931	3/4	97,935	3/4	85,939
4	4	4	4	4	4	4	169,390	4	145,669	4	133,673	4	121,677	4	109,681	4	97,685	4	85,689
1/4	1/4	1/4	1/4	1/4	1/4	1/4	169,202	1/4	145,419	1/4	133,423	1/4	121,427	1/4	109,431	1/4	97,435	1/4	85,439
1/2	1/2	1/2	1/2	1/2	1/2	1/2	169,015	1/2	145,169	1/2	133,173	1/2	121,177	1/2	109,181	1/2	97,185	1/2	85,189
3/4	3/4	3/4	3/4	3/4	3/4	3/4	168,827	3/4	144,919	3/4	132,923	3/4	120,927	3/4	108,931	3/4	96,935	3/4	84,940
5	5	5	5	5	5	5	168,598	5	144,669	5	132,673	5	120,677	5	108,681	5	96,686	5	84,690
1/4	1/4	1/4	1/4	1/4	1/4	1/4	168,369	1/4	144,419	1/4	132,423	1/4	120,427	1/4	108,431	1/4	96,436	1/4	84,440
1/2	1/2	1/2	1/2	1/2	1/2	1/2	168,140	1/2	144,169	1/2	132,173	1/2	120,177	1/2	108,182	1/2	96,186	1/2	84,190
3/4	3/4	3/4	3/4	3/4	3/4	3/4	167,911	3/4	143,919	3/4	131,923	3/4	119,928	3/4	107,932	3/4	95,936	3/4	83,940
6	6	6	6	6	6	6	167,661	6	143,669	6	131,674	6	119,678	6	107,682	6	95,686	6	83,690
1/4	1/4	1/4	1/4	1/4	1/4	1/4	167,411	1/4	143,419	1/4	131,424	1/4	119,428	1/4	107,432	1/4	95,436	1/4	83,440
1/2	1/2	1/2	1/2	1/2	1/2	1/2	167,161	1/2	143,170	1/2	131,174	1/2	119,178	1/2	107,182	1/2	95,186	1/2	83,190
3/4	3/4	3/4	3/4	3/4	3/4	3/4	166,911	3/4	142,920	3/4	130,924	3/4	118,928	3/4	106,932	3/4	94,936	3/4	82,940
7	7	7	7	7	7	7	166,661	7	142,670	7	130,674	7	118,678	7	106,682	7	94,686	7	82,690
1/4	1/4	1/4	1/4	1/4	1/4	1/4	166,412	1/4	142,420	1/4	130,424	1/4	118,428	1/4	106,432	1/4	94,436	1/4	82,440
1/2	1/2	1/2	1/2	1/2	1/2	1/2	166,162	1/2	142,170	1/2	130,174	1/2	118,178	1/2	106,182	1/2	94,186	1/2	82,191
3/4	3/4	3/4	3/4	3/4	3/4	3/4	165,912	3/4	141,920	3/4	129,924	3/4	117,928	3/4	105,932	3/4	93,936	3/4	81,941
8	8	8	8	8	8	8	165,662	8	141,670	8	129,674	8	117,678	8	105,682	8	93,687	8	81,691
1/4	1/4	1/4	1/4	1/4	1/4	1/4	165,412	1/4	141,420	1/4	129,424	1/4	117,428	1/4	105,433	1/4	93,437	1/4	81,441
1/2	1/2	1/2	1/2	1/2	1/2	1/2	165,162	1/2	141,170	1/2	129,174	1/2	117,178	1/2	105,183	1/2	93,187	1/2	81,191
3/4	3/4	3/4	3/4	3/4	3/4	3/4	164,912	3/4	140,920	3/4	128,924	3/4	116,929	3/4	104,933	3/4	92,937	3/4	80,941
9	9	9	9	9	9	9	164,662	9	140,670	9	128,675	9	116,679	9	104,683	9	92,687	9	80,691
1/4	1/4	1/4	1/4	1/4	1/4	1/4	164,412	1/4	140,420	1/4	128,425	1/4	116,429	1/4	104,433	1/4	92,437	1/4	80,441
1/2	1/2	1/2	1/2	1/2	1/2	1/2	164,162	1/2	140,171	1/2	128,175	1/2	116,179	1/2	104,183	1/2	92,187	1/2	80,191
3/4	3/4	3/4	3/4	3/4	3/4	3/4	163,912	3/4	139,921	3/4	127,925	3/4	115,929	3/4	103,933	3/4	91,937	3/4	79,941
10	10	10	10	10	10	10	163,663	10	139,671	10	127,675	10	115,679	10	103,683	10	91,687	10	79,691
1/4	1/4	1/4	1/4	1/4	1/4	1/4	163,413	1/4	139,421	1/4	127,425	1/4	115,429	1/4	103,433	1/4	91,437	1/4	79,441
1/2	1/2	1/2	1/2	1/2	1/2	1/2	163,163	1/2	139,171	1/2	127,175	1/2	115,179	1/2	103,183	1/2	91,187	1/2	79,192
3/4	3/4	3/4	3/4	3/4	3/4	3/4	162,913	3/4	138,921	3/4	126,925	3/4	114,929	3/4	102,933	3/4	90,938	3/4	78,942
11	11	11	11	11	11	11	162,663	11	138,671	11	126,675	11	114,679	11	102,683	11	90,688	11	78,692
1/4	1/4	1/4	1/4	1/4	1/4	1/4	162,413	1/4	138,421	1/4	126,425	1/4	114,429	1/4	102,434	1/4	90,438	1/4	78,442
1/2	1/2	1/2	1/2	1/2	1/2	1/2	162,163	1/2	138,171	1/2	126,175	1/2	114,180	1/2	102,184	1/2	90,188	1/2	78,192
3/4	3/4	3/4	3/4	3/4	3/4	3/4	161,913	3/4	137,921	3/4	125,925	3/4	113,930	3/4	101,934	3/4	89,938	3/4	77,942

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 30'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CBC 1403"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	77,692		65,696		53,700		41,704		29,729		17,739		5,749						
1/4	77,442	1/4	65,446	1/4	53,450	1/4	41,455	1/4	29,480	1/4	17,489	1/4	5,500	1/4		1/4		1/4	
1/2	77,192	1/2	65,196	1/2	53,200	1/2	41,205	1/2	29,231	1/2	17,239	1/2	5,252	1/2		1/2		1/2	
3/4	76,942	3/4	64,946	3/4	52,951	3/4	40,955	3/4	28,982	3/4	16,989	3/4	5,004	3/4		3/4		3/4	
1	76,692	1	64,697	1	52,701	1	40,705	1	28,732	1	16,739	1	4,757	1		1		1	
1/4	76,442	1/4	64,447	1/4	52,451	1/4	40,455	1/4	28,483	1/4	16,489	1/4	4,510	1/4		1/4		1/4	
1/2	76,193	1/2	64,197	1/2	52,201	1/2	40,205	1/2	28,233	1/2	16,240	1/2	4,262	1/2		1/2		1/2	
3/4	75,943	3/4	63,947	3/4	51,951	3/4	39,955	3/4	27,984	3/4	15,990	3/4	4,015	3/4		3/4		3/4	
2	75,693	2	63,697	2	51,701	2	39,705	2	27,734	2	15,740	2	3,770	2		2		2	
1/4	75,443	1/4	63,447	1/4	51,451	1/4	39,455	1/4	27,485	1/4	15,490	1/4	3,525	1/4		1/4		1/4	
1/2	75,193	1/2	63,197	1/2	51,201	1/2	39,205	1/2	27,235	1/2	15,240	1/2	3,281	1/2		1/2		1/2	
3/4	74,943	3/4	62,947	3/4	50,951	3/4	38,955	3/4	26,985	3/4	14,990	3/4	3,036	3/4		3/4		3/4	
3	74,693	3	62,697	3	50,701	3	38,705	3	26,736	3	14,740	3	2,807	3		3		3	
1/4	74,443	1/4	62,447	1/4	50,451	1/4	38,456	1/4	26,486	1/4	14,490	1/4	2,579	1/4		1/4		1/4	
1/2	74,193	1/2	62,197	1/2	50,202	1/2	38,206	1/2	26,236	1/2	14,240	1/2	2,350	1/2		1/2		1/2	
3/4	73,943	3/4	61,947	3/4	49,952	3/4	37,956	3/4	25,986	3/4	13,990	3/4	2,122	3/4		3/4		3/4	
4	73,693	4	61,698	4	49,702	4	37,706	4	25,736	4	13,741	4	1,934	4		4		4	
1/4	73,444	1/4	61,448	1/4	49,452	1/4	37,456	1/4	25,486	1/4	13,491	1/4	1,747	1/4		1/4		1/4	
1/2	73,194	1/2	61,198	1/2	49,202	1/2	37,206	1/2	25,236	1/2	13,241	1/2	1,560	1/2		1/2		1/2	
3/4	72,944	3/4	60,948	3/4	48,952	3/4	36,956	3/4	24,986	3/4	12,991	3/4	1,372	3/4		3/4		3/4	
5	72,694	5	60,698	5	48,702	5	36,707	5	24,736	5	12,741	5	1,226	5		5		5	
1/4	72,444	1/4	60,448	1/4	48,452	1/4	36,458	1/4	24,486	1/4	12,491	1/4	1,081	1/4		1/4		1/4	
1/2	72,194	1/2	60,198	1/2	48,202	1/2	36,208	1/2	24,237	1/2	12,241	1/2	935	1/2		1/2		1/2	
3/4	71,944	3/4	59,948	3/4	47,952	3/4	35,959	3/4	23,987	3/4	11,991	3/4	789	3/4		3/4		3/4	
6	71,694	6	59,698	6	47,702	6	35,710	6	23,737	6	11,741	6	685	6		6		6	
1/4	71,444	1/4	59,448	1/4	47,452	1/4	35,461	1/4	23,487	1/4	11,491	1/4	581	1/4		1/4		1/4	
1/2	71,194	1/2	59,198	1/2	47,203	1/2	35,212	1/2	23,237	1/2	11,241	1/2	477	1/2		1/2		1/2	
3/4	70,944	3/4	58,948	3/4	46,953	3/4	34,963	3/4	22,987	3/4	10,992	3/4	373	3/4		3/4		3/4	
7	70,694	7	58,699	7	46,703	7	34,713	7	22,737	7	10,742	7	310	7		7		7	
1/4	70,445	1/4	58,449	1/4	46,453	1/4	34,464	1/4	22,487	1/4	10,492	1/4	248	1/4		1/4		1/4	
1/2	70,195	1/2	58,199	1/2	46,203	1/2	34,215	1/2	22,237	1/2	10,242	1/2	185	1/2		1/2		1/2	
3/4	69,945	3/4	57,949	3/4	45,953	3/4	33,966	3/4	21,987	3/4	9,992	3/4	123	3/4		3/4		3/4	
8	69,695	8	57,699	8	45,703	8	33,717	8	21,737	8	9,742	8	102	8		8		8	
1/4	69,445	1/4	57,449	1/4	45,453	1/4	33,467	1/4	21,488	1/4	9,492	1/4	81	1/4		1/4		1/4	
1/2	69,195	1/2	57,199	1/2	45,203	1/2	33,218	1/2	21,238	1/2	9,242	1/2	60	1/2		1/2		1/2	
3/4	68,945	3/4	56,949	3/4	44,953	3/4	32,969	3/4	20,988	3/4	8,992	3/4	39	3/4		3/4		3/4	
9	68,695	9	56,699	9	44,703	9	32,720	9	20,738	9	8,742	9		9		9		9	
1/4	68,445	1/4	56,449	1/4	44,453	1/4	32,471	1/4	20,488	1/4	8,493	1/4		1/4		1/4		1/4	
1/2	68,195	1/2	56,199	1/2	44,204	1/2	32,221	1/2	20,238	1/2	8,243	1/2		1/2		1/2		1/2	
3/4	67,945	3/4	55,950	3/4	43,954	3/4	31,972	3/4	19,988	3/4	7,993	3/4		3/4		3/4		3/4	
10	67,695	10	55,700	10	43,704	10	31,723	10	19,738	10	7,743	10		10		10		10	
1/4	67,446	1/4	55,450	1/4	43,454	1/4	31,474	1/4	19,488	1/4	7,493	1/4		1/4		1/4		1/4	
1/2	67,196	1/2	55,200	1/2	43,204	1/2	31,225	1/2	19,238	1/2	7,244	1/2		1/2		1/2		1/2	
3/4	66,946	3/4	54,950	3/4	42,954	3/4	30,975	3/4	18,989	3/4	6,994	3/4		3/4		3/4		3/4	
11	66,696	11	54,700	11	42,704	11	30,726	11	18,739	11	6,745	11		11		11		11	
1/4	66,446	1/4	54,450	1/4	42,454	1/4	30,477	1/4	18,489	1/4	6,496	1/4		1/4		1/4		1/4	
1/2	66,196	1/2	54,200	1/2	42,204	1/2	30,228	1/2	18,239	1/2	6,246	1/2		1/2		1/2		1/2	
3/4	65,946	3/4	53,950	3/4	41,954	3/4	29,979	3/4	17,989	3/4	5,997	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/07/2018 CL
CALCULATED: 06/07/2018 CL
PRINTED: 06/07/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2018

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