



BARGE "CBC 1401"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>										
1 CENTER	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	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	- 01-1/8	01-1/8	- 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: 179'-06"

March 19, 2018

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

<http://www.pmacorp.net>



BARGE "CBC 1401"

1 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	8,709	0	20,325	0	31,759	0	43,232	0	54,821	0	66,409	0	77,974	0	89,541	0	101,134
1/4	60	1/4	8,951	1/4	20,567	1/4	31,993	1/4	43,474	1/4	55,062	1/4	66,651	1/4	78,214	1/4	89,783	1/4	101,376
1/2	80	1/2	9,193	1/2	20,809	1/2	32,227	1/2	43,715	1/2	55,304	1/2	66,892	1/2	78,455	1/2	90,024	1/2	101,617
3/4	100	3/4	9,435	3/4	21,051	3/4	32,461	3/4	43,957	3/4	55,545	3/4	67,133	3/4	78,695	3/4	90,266	3/4	101,859
1	120	1	9,677	1	21,293	1	32,696	1	44,198	1	55,786	1	67,375	1	78,935	1	90,508	1	102,100
1/4	181	1/4	9,919	1/4	21,535	1/4	32,930	1/4	44,439	1/4	56,028	1/4	67,616	1/4	79,175	1/4	90,749	1/4	102,342
1/2	241	1/2	10,161	1/2	21,777	1/2	33,164	1/2	44,681	1/2	56,269	1/2	67,858	1/2	79,415	1/2	90,991	1/2	102,583
3/4	302	3/4	10,403	3/4	22,019	3/4	33,398	3/4	44,922	3/4	56,511	3/4	68,099	3/4	79,655	3/4	91,232	3/4	102,825
2	362	2	10,645	2	22,261	2	33,633	2	45,164	2	56,752	2	68,341	2	79,895	2	91,474	2	103,067
1/4	463	1/4	10,887	1/4	22,503	1/4	33,867	1/4	45,405	1/4	56,994	1/4	68,582	1/4	80,135	1/4	91,715	1/4	103,308
1/2	564	1/2	11,129	1/2	22,745	1/2	34,101	1/2	45,647	1/2	57,235	1/2	68,823	1/2	80,375	1/2	91,957	1/2	103,550
3/4	665	3/4	11,371	3/4	22,987	3/4	34,335	3/4	45,888	3/4	57,476	3/4	69,065	3/4	80,615	3/4	92,198	3/4	103,791
3	765	3	11,613	3	23,229	3	34,570	3	46,129	3	57,718	3	69,306	3	80,855	3	92,440	3	104,033
1/4	907	1/4	11,855	1/4	23,471	1/4	34,804	1/4	46,371	1/4	57,959	1/4	69,548	1/4	81,095	1/4	92,681	1/4	104,274
1/2	1,048	1/2	12,097	1/2	23,713	1/2	35,038	1/2	46,612	1/2	58,201	1/2	69,789	1/2	81,335	1/2	92,923	1/2	104,516
3/4	1,189	3/4	12,339	3/4	23,955	3/4	35,272	3/4	46,854	3/4	58,442	3/4	70,031	3/4	81,576	3/4	93,164	3/4	104,757
4	1,330	4	12,581	4	24,197	4	35,507	4	47,095	4	58,684	4	70,272	4	81,816	4	93,406	4	104,999
1/4	1,511	1/4	12,823	1/4	24,439	1/4	35,748	1/4	47,337	1/4	58,925	1/4	70,513	1/4	82,056	1/4	93,647	1/4	105,240
1/2	1,693	1/2	13,065	1/2	24,682	1/2	35,990	1/2	47,578	1/2	59,166	1/2	70,755	1/2	82,297	1/2	93,889	1/2	105,482
3/4	1,874	3/4	13,307	3/4	24,924	3/4	36,231	3/4	47,819	3/4	59,408	3/4	70,996	3/4	82,538	3/4	94,130	3/4	105,723
5	2,056	5	13,549	5	25,166	5	36,472	5	48,061	5	59,649	5	71,238	5	82,779	5	94,372	5	105,965
1/4	2,277	1/4	13,791	1/4	25,408	1/4	36,714	1/4	48,302	1/4	59,891	1/4	71,479	1/4	83,020	1/4	94,613	1/4	106,206
1/2	2,498	1/2	14,033	1/2	25,650	1/2	36,955	1/2	48,544	1/2	60,132	1/2	71,721	1/2	83,262	1/2	94,855	1/2	106,448
3/4	2,719	3/4	14,275	3/4	25,892	3/4	37,197	3/4	48,785	3/4	60,374	3/4	71,962	3/4	83,503	3/4	95,096	3/4	106,689
6	2,940	6	14,517	6	26,134	6	37,438	6	49,027	6	60,615	6	72,203	6	83,745	6	95,338	6	106,931
1/4	3,178	1/4	14,759	1/4	26,368	1/4	37,680	1/4	49,268	1/4	60,856	1/4	72,444	1/4	83,986	1/4	95,579	1/4	107,172
1/2	3,415	1/2	15,001	1/2	26,603	1/2	37,921	1/2	49,509	1/2	61,098	1/2	72,685	1/2	84,228	1/2	95,821	1/2	107,414
3/4	3,652	3/4	15,243	3/4	26,837	3/4	38,162	3/4	49,751	3/4	61,339	3/4	72,926	3/4	84,469	3/4	96,062	3/4	107,655
7	3,889	7	15,485	7	27,072	7	38,404	7	49,992	7	61,581	7	73,167	7	84,711	7	96,304	7	107,897
1/4	4,129	1/4	15,727	1/4	27,307	1/4	38,645	1/4	50,234	1/4	61,822	1/4	73,408	1/4	84,952	1/4	96,545	1/4	108,138
1/2	4,368	1/2	15,969	1/2	27,541	1/2	38,887	1/2	50,475	1/2	62,063	1/2	73,648	1/2	85,194	1/2	96,787	1/2	108,380
3/4	4,607	3/4	16,211	3/4	27,776	3/4	39,128	3/4	50,716	3/4	62,305	3/4	73,889	3/4	85,435	3/4	97,029	3/4	108,621
8	4,846	8	16,453	8	28,011	8	39,369	8	50,958	8	62,546	8	74,130	8	85,677	8	97,270	8	108,863
1/4	5,087	1/4	16,695	1/4	28,245	1/4	39,611	1/4	51,199	1/4	62,788	1/4	74,371	1/4	85,919	1/4	97,512	1/4	109,104
1/2	5,328	1/2	16,937	1/2	28,479	1/2	39,852	1/2	51,441	1/2	63,029	1/2	74,612	1/2	86,160	1/2	97,753	1/2	109,346
3/4	5,568	3/4	17,179	3/4	28,713	3/4	40,094	3/4	51,682	3/4	63,271	3/4	74,853	3/4	86,402	3/4	97,995	3/4	109,588
9	5,809	9	17,421	9	28,948	9	40,335	9	51,924	9	63,512	9	75,093	9	86,643	9	98,236	9	109,829
1/4	6,050	1/4	17,663	1/4	29,182	1/4	40,577	1/4	52,165	1/4	63,753	1/4	75,333	1/4	86,885	1/4	98,478	1/4	110,071
1/2	6,291	1/2	17,905	1/2	29,416	1/2	40,818	1/2	52,406	1/2	63,995	1/2	75,574	1/2	87,126	1/2	98,719	1/2	110,312
3/4	6,533	3/4	18,147	3/4	29,650	3/4	41,059	3/4	52,648	3/4	64,236	3/4	75,814	3/4	87,368	3/4	98,961	3/4	110,554
10	6,774	10	18,389	10	29,885	10	41,301	10	52,889	10	64,478	10	76,054	10	87,609	10	99,202	10	110,795
1/4	7,016	1/4	18,631	1/4	30,119	1/4	41,542	1/4	53,131	1/4	64,719	1/4	76,294	1/4	87,851	1/4	99,444	1/4	111,037
1/2	7,257	1/2	18,873	1/2	30,353	1/2	41,784	1/2	53,372	1/2	64,961	1/2	76,534	1/2	88,092	1/2	99,685	1/2	111,278
3/4	7,499	3/4	19,115	3/4	30,587	3/4	42,025	3/4	53,614	3/4	65,202	3/4	76,774	3/4	88,334	3/4	99,927	3/4	111,520
11	7,741	11	19,357	11	30,822	11	42,267	11	53,855	11	65,443	11	77,014	11	88,575	11	100,168	11	111,761
1/4	7,983	1/4	19,599	1/4	31,056	1/4	42,508	1/4	54,096	1/4	65,685	1/4	77,254	1/4	88,817	1/4	100,410	1/4	112,003
1/2	8,225	1/2	19,841	1/2	31,290	1/2	42,749	1/2	54,338	1/2	65,926	1/2	77,494	1/2	89,058	1/2	100,651	1/2	112,244
3/4	8,467	3/4	20,083	3/4	31,524	3/4	42,991	3/4	54,579	3/4	66,168	3/4	77,734	3/4	89,300	3/4	100,893	3/4	112,486

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



BARGE "CBC 1401"

1 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	112,727	0	122,268	0	130,393	0	138,518	0	146,643	0		0		0		0		0	
1/4	112,968	1/4	122,437	1/4	130,562	1/4	138,687	1/4	146,812	1/4		1/4		1/4		1/4		1/4	
1/2	113,209	1/2	122,607	1/2	130,731	1/2	138,856	1/2	146,981	1/2		1/2		1/2		1/2		1/2	
3/4	113,450	3/4	122,776	3/4	130,901	3/4	139,026	3/4	147,150	3/4		3/4		3/4		3/4		3/4	
1	113,691	1	122,945	1	131,070	1	139,195	1	147,320	1		1		1		1		1	
1/4	113,932	1/4	123,114	1/4	131,239	1/4	139,364	1/4	147,489	1/4		1/4		1/4		1/4		1/4	
1/2	114,173	1/2	123,284	1/2	131,409	1/2	139,533	1/2	147,658	1/2		1/2		1/2		1/2		1/2	
3/4	114,414	3/4	123,453	3/4	131,578	3/4	139,703	3/4	147,827	3/4		3/4		3/4		3/4		3/4	
2	114,655	2	123,622	2	131,747	2	139,872	2	147,997	2		2		2		2		2	
1/4	114,896	1/4	123,791	1/4	131,916	1/4	140,041	1/4	148,166	1/4		1/4		1/4		1/4		1/4	
1/2	115,137	1/2	123,961	1/2	132,086	1/2	140,210	1/2	148,335	1/2		1/2		1/2		1/2		1/2	
3/4	115,378	3/4	124,130	3/4	132,255	3/4	140,380	3/4	148,505	3/4		3/4		3/4		3/4		3/4	
3	115,619	3	124,299	3	132,424	3	140,549	3	148,674	3		3		3		3		3	
1/4	115,860	1/4	124,469	1/4	132,593	1/4	140,718	1/4	148,896	1/4		1/4		1/4		1/4		1/4	
1/2	116,101	1/2	124,638	1/2	132,763	1/2	140,887	1/2	149,117	1/2		1/2		1/2		1/2		1/2	
3/4	116,342	3/4	124,807	3/4	132,932	3/4	141,057	3/4	149,339	3/4		3/4		3/4		3/4		3/4	
4	116,583	4	124,976	4	133,101	4	141,226	4	149,561	4		4		4		4		4	
1/4	116,824	1/4	125,146	1/4	133,270	1/4	141,395	1/4	149,743	1/4		1/4		1/4		1/4		1/4	
1/2	117,065	1/2	125,315	1/2	133,440	1/2	141,565	1/2	149,924	1/2		1/2		1/2		1/2		1/2	
3/4	117,306	3/4	125,484	3/4	133,609	3/4	141,734	3/4	150,106	3/4		3/4		3/4		3/4		3/4	
5	117,546	5	125,653	5	133,778	5	141,903	5	150,287	5		5		5		5		5	
1/4	117,715	1/4	125,823	1/4	133,948	1/4	142,072	1/4	150,428	1/4		1/4		1/4		1/4		1/4	
1/2	117,883	1/2	125,992	1/2	134,117	1/2	142,242	1/2	150,570	1/2		1/2		1/2		1/2		1/2	
3/4	118,051	3/4	126,161	3/4	134,286	3/4	142,411	3/4	150,711	3/4		3/4		3/4		3/4		3/4	
6	118,219	6	126,331	6	134,455	6	142,580	6	150,852	6		6		6		6		6	
1/4	118,388	1/4	126,500	1/4	134,625	1/4	142,749	1/4	150,953	1/4		1/4		1/4		1/4		1/4	
1/2	118,557	1/2	126,669	1/2	134,794	1/2	142,919	1/2	151,054	1/2		1/2		1/2		1/2		1/2	
3/4	118,725	3/4	126,838	3/4	134,963	3/4	143,088	3/4	151,154	3/4		3/4		3/4		3/4		3/4	
7	118,894	7	127,008	7	135,132	7	143,257	7	151,255	7		7		7		7		7	
1/4	119,063	1/4	127,177	1/4	135,302	1/4	143,426	1/4	151,316	1/4		1/4		1/4		1/4		1/4	
1/2	119,232	1/2	127,346	1/2	135,471	1/2	143,596	1/2	151,376	1/2		1/2		1/2		1/2		1/2	
3/4	119,400	3/4	127,515	3/4	135,640	3/4	143,765	3/4	151,437	3/4		3/4		3/4		3/4		3/4	
8	119,569	8	127,685	8	135,809	8	143,934	8	151,497	8		8		8		8		8	
1/4	119,738	1/4	127,854	1/4	135,979	1/4	144,104	1/4	151,517	1/4		1/4		1/4		1/4		1/4	
1/2	119,906	1/2	128,023	1/2	136,148	1/2	144,273	1/2	151,538	1/2		1/2		1/2		1/2		1/2	
3/4	120,075	3/4	128,192	3/4	136,317	3/4	144,442	3/4		3/4		3/4		3/4		3/4		3/4	
9	120,244	9	128,362	9	136,487	9	144,611	9		9		9		9		9		9	
1/4	120,412	1/4	128,531	1/4	136,656	1/4	144,781	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120,581	1/2	128,700	1/2	136,825	1/2	144,950	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,750	3/4	128,870	3/4	136,994	3/4	145,119	3/4		3/4		3/4		3/4		3/4		3/4	
10	120,918	10	129,039	10	137,164	10	145,288	10		10		10		10		10		10	
1/4	121,087	1/4	129,208	1/4	137,333	1/4	145,458	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,256	1/2	129,377	1/2	137,502	1/2	145,627	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	121,425	3/4	129,547	3/4	137,671	3/4	145,796	3/4		3/4		3/4		3/4		3/4		3/4	
11	121,593	11	129,716	11	137,841	11	145,966	11		11		11		11		11		11	
1/4	121,762	1/4	129,885	1/4	138,010	1/4	146,135	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,931	1/2	130,054	1/2	138,179	1/2	146,304	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	122,099	3/4	130,224	3/4	138,348	3/4	146,473	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2018 CL
CALCULATED: 03/19/2018 CL
PRINTED: 03/19/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1401"

2 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	10,063	0	23,493	0	36,760	0	50,028	0	63,458	0	76,889	0	90,319	0	103,750	0	117,181
1/4	63	1/4	10,343	1/4	23,773	1/4	37,032	1/4	50,308	1/4	63,738	1/4	77,169	1/4	90,599	1/4	104,030	1/4	117,460
1/2	86	1/2	10,623	1/2	24,053	1/2	37,304	1/2	50,588	1/2	64,018	1/2	77,449	1/2	90,879	1/2	104,310	1/2	117,740
3/4	109	3/4	10,902	3/4	24,332	3/4	37,575	3/4	50,867	3/4	64,298	3/4	77,728	3/4	91,159	3/4	104,589	3/4	118,020
1	133	1	11,182	1	24,612	1	37,847	1	51,147	1	64,578	1	78,008	1	91,439	1	104,869	1	118,300
1/4	203	1/4	11,462	1/4	24,892	1/4	38,118	1/4	51,427	1/4	64,857	1/4	78,288	1/4	91,719	1/4	105,149	1/4	118,580
1/2	272	1/2	11,742	1/2	25,172	1/2	38,390	1/2	51,707	1/2	65,137	1/2	78,568	1/2	91,998	1/2	105,429	1/2	118,859
3/4	342	3/4	12,022	3/4	25,452	3/4	38,661	3/4	51,987	3/4	65,417	3/4	78,848	3/4	92,278	3/4	105,709	3/4	119,139
2	412	2	12,301	2	25,731	2	38,933	2	52,266	2	65,697	2	79,127	2	92,558	2	105,988	2	119,419
1/4	529	1/4	12,581	1/4	26,011	1/4	39,205	1/4	52,546	1/4	65,977	1/4	79,407	1/4	92,838	1/4	106,268	1/4	119,699
1/2	646	1/2	12,861	1/2	26,291	1/2	39,476	1/2	52,826	1/2	66,257	1/2	79,687	1/2	93,118	1/2	106,548	1/2	119,979
3/4	762	3/4	13,141	3/4	26,571	3/4	39,748	3/4	53,106	3/4	66,536	3/4	79,967	3/4	93,397	3/4	106,828	3/4	120,258
3	879	3	13,420	3	26,851	3	40,019	3	53,386	3	66,816	3	80,247	3	93,677	3	107,108	3	120,538
1/4	1,042	1/4	13,700	1/4	27,130	1/4	40,291	1/4	53,665	1/4	67,096	1/4	80,526	1/4	93,957	1/4	107,387	1/4	120,818
1/2	1,205	1/2	13,980	1/2	27,410	1/2	40,563	1/2	53,945	1/2	67,376	1/2	80,806	1/2	94,237	1/2	107,667	1/2	121,098
3/4	1,368	3/4	14,260	3/4	27,690	3/4	40,834	3/4	54,225	3/4	67,656	3/4	81,086	3/4	94,517	3/4	107,947	3/4	121,378
4	1,532	4	14,540	4	27,970	4	41,106	4	54,505	4	67,935	4	81,366	4	94,796	4	108,227	4	121,657
1/4	1,741	1/4	14,819	1/4	28,250	1/4	41,378	1/4	54,785	1/4	68,215	1/4	81,646	1/4	95,076	1/4	108,507	1/4	121,937
1/2	1,951	1/2	15,099	1/2	28,529	1/2	41,650	1/2	55,064	1/2	68,495	1/2	81,925	1/2	95,356	1/2	108,786	1/2	122,217
3/4	2,161	3/4	15,379	3/4	28,809	3/4	41,922	3/4	55,344	3/4	68,775	3/4	82,205	3/4	95,636	3/4	109,066	3/4	122,497
5	2,371	5	15,659	5	29,089	5	42,194	5	55,624	5	69,055	5	82,485	5	95,916	5	109,346	5	122,777
1/4	2,627	1/4	15,939	1/4	29,369	1/4	42,473	1/4	55,904	1/4	69,334	1/4	82,765	1/4	96,195	1/4	109,626	1/4	123,056
1/2	2,882	1/2	16,218	1/2	29,648	1/2	42,753	1/2	56,184	1/2	69,614	1/2	83,045	1/2	96,475	1/2	109,906	1/2	123,336
3/4	3,138	3/4	16,498	3/4	29,928	3/4	43,033	3/4	56,463	3/4	69,894	3/4	83,324	3/4	96,755	3/4	110,185	3/4	123,616
6	3,394	6	16,778	6	30,208	6	43,313	6	56,743	6	70,174	6	83,604	6	97,035	6	110,465	6	123,896
1/4	3,668	1/4	17,058	1/4	30,488	1/4	43,593	1/4	57,023	1/4	70,454	1/4	83,884	1/4	97,315	1/4	110,745	1/4	124,176
1/2	3,942	1/2	17,338	1/2	30,768	1/2	43,872	1/2	57,303	1/2	70,733	1/2	84,164	1/2	97,594	1/2	111,025	1/2	124,455
3/4	4,217	3/4	17,617	3/4	31,047	3/4	44,152	3/4	57,583	3/4	71,013	3/4	84,444	3/4	97,874	3/4	111,305	3/4	124,735
7	4,491	7	17,897	7	31,327	7	44,432	7	57,862	7	71,293	7	84,723	7	98,154	7	111,584	7	125,015
1/4	4,767	1/4	18,177	1/4	31,599	1/4	44,712	1/4	58,142	1/4	71,573	1/4	85,003	1/4	98,434	1/4	111,864	1/4	125,295
1/2	5,044	1/2	18,457	1/2	31,871	1/2	44,992	1/2	58,422	1/2	71,853	1/2	85,283	1/2	98,714	1/2	112,144	1/2	125,575
3/4	5,321	3/4	18,737	3/4	32,143	3/4	45,271	3/4	58,702	3/4	72,132	3/4	85,563	3/4	98,993	3/4	112,424	3/4	125,854
8	5,597	8	19,016	8	32,415	8	45,551	8	58,982	8	72,412	8	85,843	8	99,273	8	112,704	8	126,134
1/4	5,875	1/4	19,296	1/4	32,687	1/4	45,831	1/4	59,261	1/4	72,692	1/4	86,122	1/4	99,553	1/4	112,983	1/4	126,414
1/2	6,154	1/2	19,576	1/2	32,958	1/2	46,111	1/2	59,541	1/2	72,972	1/2	86,402	1/2	99,833	1/2	113,263	1/2	126,694
3/4	6,432	3/4	19,856	3/4	33,230	3/4	46,391	3/4	59,821	3/4	73,252	3/4	86,682	3/4	100,113	3/4	113,543	3/4	126,974
9	6,710	9	20,136	9	33,501	9	46,670	9	60,101	9	73,531	9	86,962	9	100,392	9	113,823	9	127,253
1/4	6,989	1/4	20,415	1/4	33,773	1/4	46,950	1/4	60,381	1/4	73,811	1/4	87,242	1/4	100,672	1/4	114,103	1/4	127,533
1/2	7,268	1/2	20,695	1/2	34,045	1/2	47,230	1/2	60,660	1/2	74,091	1/2	87,521	1/2	100,952	1/2	114,382	1/2	127,813
3/4	7,547	3/4	20,975	3/4	34,316	3/4	47,510	3/4	60,940	3/4	74,371	3/4	87,801	3/4	101,232	3/4	114,662	3/4	128,093
10	7,826	10	21,255	10	34,588	10	47,790	10	61,220	10	74,651	10	88,081	10	101,512	10	114,942	10	128,373
1/4	8,105	1/4	21,534	1/4	34,859	1/4	48,069	1/4	61,500	1/4	74,930	1/4	88,361	1/4	101,791	1/4	115,222	1/4	128,652
1/2	8,385	1/2	21,814	1/2	35,131	1/2	48,349	1/2	61,780	1/2	75,210	1/2	88,641	1/2	102,071	1/2	115,502	1/2	128,932
3/4	8,664	3/4	22,094	3/4	35,402	3/4	48,629	3/4	62,059	3/4	75,490	3/4	88,920	3/4	102,351	3/4	115,781	3/4	129,211
11	8,944	11	22,374	11	35,674	11	48,909	11	62,339	11	75,770	11	89,200	11	102,631	11	116,061	11	129,492
1/4	9,224	1/4	22,654	1/4	35,946	1/4	49,189	1/4	62,619	1/4	76,050	1/4	89,480	1/4	102,911	1/4	116,341	1/4	129,772
1/2	9,503	1/2	22,933	1/2	36,217	1/2	49,468	1/2	62,899	1/2	76,329	1/2	89,760	1/2	103,190	1/2	116,621	1/2	130,051
3/4	9,783	3/4	23,213	3/4	36,489	3/4	49,748	3/4	63,179	3/4	76,609	3/4	90,040	3/4	103,470	3/4	116,901	3/4	130,331

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
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BARGE "CBC 1401"

2 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	130,611	0	144,042	0	157,472	0	170,903	0	184,333	0		0		0		0		0	
1/4	130,891	1/4	144,321	1/4	157,752	1/4	171,182	1/4	184,613	1/4		1/4		1/4		1/4		1/4	
1/2	131,171	1/2	144,601	1/2	158,032	1/2	171,462	1/2	184,893	1/2		1/2		1/2		1/2		1/2	
3/4	131,450	3/4	144,881	3/4	158,311	3/4	171,742	3/4	185,172	3/4		3/4		3/4		3/4		3/4	
1	131,730	1	145,161	1	158,591	1	172,022	1	185,452	1		1		1		1		1	
1/4	132,010	1/4	145,441	1/4	158,871	1/4	172,302	1/4	185,732	1/4		1/4		1/4		1/4		1/4	
1/2	132,290	1/2	145,720	1/2	159,151	1/2	172,581	1/2	186,012	1/2		1/2		1/2		1/2		1/2	
3/4	132,570	3/4	146,000	3/4	159,431	3/4	172,861	3/4	186,292	3/4		3/4		3/4		3/4		3/4	
2	132,849	2	146,280	2	159,710	2	173,141	2	186,571	2		2		2		2		2	
1/4	133,129	1/4	146,560	1/4	159,990	1/4	173,421	1/4	186,851	1/4		1/4		1/4		1/4		1/4	
1/2	133,409	1/2	146,840	1/2	160,270	1/2	173,701	1/2	187,131	1/2		1/2		1/2		1/2		1/2	
3/4	133,689	3/4	147,119	3/4	160,550	3/4	173,980	3/4	187,411	3/4		3/4		3/4		3/4		3/4	
3	133,969	3	147,399	3	160,830	3	174,260	3	187,691	3		3		3		3		3	
1/4	134,248	1/4	147,679	1/4	161,109	1/4	174,540	1/4	187,971	1/4		1/4		1/4		1/4		1/4	
1/2	134,528	1/2	147,959	1/2	161,389	1/2	174,820	1/2	188,204	1/2		1/2		1/2		1/2		1/2	
3/4	134,808	3/4	148,239	3/4	161,669	3/4	175,100	3/4	188,460	3/4		3/4		3/4		3/4		3/4	
4	135,088	4	148,518	4	161,949	4	175,379	4	188,717	4		4		4		4		4	
1/4	135,368	1/4	148,798	1/4	162,229	1/4	175,659	1/4	188,926	1/4		1/4		1/4		1/4		1/4	
1/2	135,647	1/2	149,078	1/2	162,508	1/2	175,939	1/2	189,136	1/2		1/2		1/2		1/2		1/2	
3/4	135,927	3/4	149,358	3/4	162,788	3/4	176,219	3/4	189,346	3/4		3/4		3/4		3/4		3/4	
5	136,207	5	149,638	5	163,068	5	176,499	5	189,556	5		5		5		5		5	
1/4	136,487	1/4	149,917	1/4	163,348	1/4	176,778	1/4	189,719	1/4		1/4		1/4		1/4		1/4	
1/2	136,767	1/2	150,197	1/2	163,628	1/2	177,058	1/2	189,882	1/2		1/2		1/2		1/2		1/2	
3/4	137,046	3/4	150,477	3/4	163,907	3/4	177,338	3/4	190,046	3/4		3/4		3/4		3/4		3/4	
6	137,326	6	150,757	6	164,187	6	177,618	6	190,209	6		6		6		6		6	
1/4	137,606	1/4	151,037	1/4	164,467	1/4	177,898	1/4	190,325	1/4		1/4		1/4		1/4		1/4	
1/2	137,886	1/2	151,316	1/2	164,747	1/2	178,177	1/2	190,442	1/2		1/2		1/2		1/2		1/2	
3/4	138,166	3/4	151,596	3/4	165,027	3/4	178,457	3/4	190,559	3/4		3/4		3/4		3/4		3/4	
7	138,445	7	151,876	7	165,306	7	178,737	7	190,675	7		7		7		7		7	
1/4	138,725	1/4	152,156	1/4	165,586	1/4	179,017	1/4	190,745	1/4		1/4		1/4		1/4		1/4	
1/2	139,005	1/2	152,436	1/2	165,866	1/2	179,297	1/2	190,815	1/2		1/2		1/2		1/2		1/2	
3/4	139,285	3/4	152,715	3/4	166,146	3/4	179,576	3/4	190,885	3/4		3/4		3/4		3/4		3/4	
8	139,565	8	152,995	8	166,426	8	179,856	8	190,955	8		8		8		8		8	
1/4	139,844	1/4	153,275	1/4	166,705	1/4	180,136	1/4	190,978	1/4		1/4		1/4		1/4		1/4	
1/2	140,124	1/2	153,555	1/2	166,985	1/2	180,416	1/2	191,002	1/2		1/2		1/2		1/2		1/2	
3/4	140,404	3/4	153,835	3/4	167,265	3/4	180,696	3/4		3/4		3/4		3/4		3/4		3/4	
9	140,684	9	154,114	9	167,545	9	180,975	9		9		9		9		9		9	
1/4	140,964	1/4	154,394	1/4	167,825	1/4	181,255	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	141,243	1/2	154,674	1/2	168,105	1/2	181,535	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	141,523	3/4	154,954	3/4	168,384	3/4	181,815	3/4		3/4		3/4		3/4		3/4		3/4	
10	141,803	10	155,234	10	168,664	10	182,095	10		10		10		10		10		10	
1/4	142,083	1/4	155,513	1/4	168,944	1/4	182,374	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	142,363	1/2	155,793	1/2	169,224	1/2	182,654	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	142,643	3/4	156,073	3/4	169,504	3/4	182,934	3/4		3/4		3/4		3/4		3/4		3/4	
11	142,922	11	156,353	11	169,783	11	183,214	11		11		11		11		11		11	
1/4	143,202	1/4	156,633	1/4	170,063	1/4	183,494	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	143,482	1/2	156,912	1/2	170,343	1/2	183,773	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	143,762	3/4	157,192	3/4	170,623	3/4	184,053	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2018 CL
CALCULATED: 03/19/2018 CL
PRINTED: 03/19/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1401"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	8,974	0	20,946	0	32,903	0	44,864	0	56,835	0	68,807	0	80,779	0	92,751	0	104,723
1/4	60	1/4	9,224	1/4	21,195	1/4	33,152	1/4	45,113	1/4	57,085	1/4	69,057	1/4	81,029	1/4	93,001	1/4	104,973
1/2	81	1/2	9,473	1/2	21,445	1/2	33,401	1/2	45,362	1/2	57,334	1/2	69,306	1/2	81,278	1/2	93,250	1/2	105,222
3/4	102	3/4	9,723	3/4	21,694	3/4	33,649	3/4	45,612	3/4	57,584	3/4	69,556	3/4	81,528	3/4	93,499	3/4	105,471
1	123	1	9,972	1	21,943	1	33,898	1	45,861	1	57,833	1	69,805	1	81,777	1	93,749	1	105,721
1/4	185	1/4	10,221	1/4	22,193	1/4	34,147	1/4	46,111	1/4	58,083	1/4	70,054	1/4	82,026	1/4	93,998	1/4	105,970
1/2	247	1/2	10,471	1/2	22,442	1/2	34,395	1/2	46,360	1/2	58,332	1/2	70,304	1/2	82,276	1/2	94,248	1/2	106,220
3/4	310	3/4	10,720	3/4	22,692	3/4	34,644	3/4	46,609	3/4	58,581	3/4	70,553	3/4	82,525	3/4	94,497	3/4	106,469
2	372	2	10,970	2	22,941	2	34,893	2	46,859	2	58,831	2	70,803	2	82,775	2	94,746	2	106,718
1/4	476	1/4	11,219	1/4	23,190	1/4	35,141	1/4	47,108	1/4	59,080	1/4	71,052	1/4	83,024	1/4	94,996	1/4	106,968
1/2	580	1/2	11,468	1/2	23,440	1/2	35,390	1/2	47,358	1/2	59,330	1/2	71,301	1/2	83,273	1/2	95,245	1/2	107,217
3/4	684	3/4	11,718	3/4	23,689	3/4	35,639	3/4	47,607	3/4	59,579	3/4	71,551	3/4	83,523	3/4	95,495	3/4	107,467
3	788	3	11,967	3	23,939	3	35,887	3	47,856	3	59,828	3	71,800	3	83,772	3	95,744	3	107,716
1/4	933	1/4	12,217	1/4	24,188	1/4	36,136	1/4	48,106	1/4	60,078	1/4	72,050	1/4	84,022	1/4	95,994	1/4	107,965
1/2	1,079	1/2	12,466	1/2	24,438	1/2	36,385	1/2	48,355	1/2	60,327	1/2	72,299	1/2	84,271	1/2	96,243	1/2	108,215
3/4	1,224	3/4	12,715	3/4	24,687	3/4	36,634	3/4	48,605	3/4	60,577	3/4	72,549	3/4	84,520	3/4	96,492	3/4	108,464
4	1,369	4	12,965	4	24,936	4	36,882	4	48,854	4	60,826	4	72,798	4	84,770	4	96,742	4	108,714
1/4	1,557	1/4	13,214	1/4	25,186	1/4	37,132	1/4	49,104	1/4	61,075	1/4	73,047	1/4	85,019	1/4	96,991	1/4	108,963
1/2	1,744	1/2	13,464	1/2	25,435	1/2	37,381	1/2	49,353	1/2	61,325	1/2	73,297	1/2	85,269	1/2	97,241	1/2	109,213
3/4	1,931	3/4	13,713	3/4	25,685	3/4	37,630	3/4	49,602	3/4	61,574	3/4	73,546	3/4	85,518	3/4	97,490	3/4	109,462
5	2,118	5	13,962	5	25,934	5	37,880	5	49,852	5	61,824	5	73,796	5	85,768	5	97,739	5	109,711
1/4	2,346	1/4	14,212	1/4	26,183	1/4	38,129	1/4	50,101	1/4	62,073	1/4	74,045	1/4	86,017	1/4	97,989	1/4	109,961
1/2	2,574	1/2	14,461	1/2	26,433	1/2	38,379	1/2	50,351	1/2	62,323	1/2	74,294	1/2	86,266	1/2	98,238	1/2	110,210
3/4	2,802	3/4	14,711	3/4	26,682	3/4	38,628	3/4	50,600	3/4	62,572	3/4	74,544	3/4	86,516	3/4	98,488	3/4	110,460
6	3,030	6	14,960	6	26,932	6	38,878	6	50,849	6	62,821	6	74,793	6	86,765	6	98,737	6	110,709
1/4	3,274	1/4	15,209	1/4	27,181	1/4	39,127	1/4	51,099	1/4	63,071	1/4	75,043	1/4	87,015	1/4	98,987	1/4	110,958
1/2	3,518	1/2	15,459	1/2	27,430	1/2	39,376	1/2	51,348	1/2	63,320	1/2	75,292	1/2	87,264	1/2	99,236	1/2	111,208
3/4	3,763	3/4	15,708	3/4	27,679	3/4	39,626	3/4	51,598	3/4	63,570	3/4	75,542	3/4	87,513	3/4	99,485	3/4	111,457
7	4,007	7	15,958	7	27,928	7	39,875	7	51,847	7	63,819	7	75,791	7	87,763	7	99,735	7	111,707
1/4	4,254	1/4	16,207	1/4	28,177	1/4	40,125	1/4	52,097	1/4	64,068	1/4	76,040	1/4	88,012	1/4	99,984	1/4	111,956
1/2	4,501	1/2	16,457	1/2	28,426	1/2	40,374	1/2	52,346	1/2	64,318	1/2	76,290	1/2	88,262	1/2	100,234	1/2	112,206
3/4	4,747	3/4	16,706	3/4	28,675	3/4	40,623	3/4	52,595	3/4	64,567	3/4	76,539	3/4	88,511	3/4	100,483	3/4	112,455
8	4,994	8	16,955	8	28,924	8	40,873	8	52,845	8	64,817	8	76,789	8	88,761	8	100,732	8	112,704
1/4	5,242	1/4	17,205	1/4	29,173	1/4	41,122	1/4	53,094	1/4	65,066	1/4	77,038	1/4	89,010	1/4	100,982	1/4	112,954
1/2	5,490	1/2	17,454	1/2	29,421	1/2	41,372	1/2	53,344	1/2	65,316	1/2	77,287	1/2	89,259	1/2	101,231	1/2	113,203
3/4	5,737	3/4	17,704	3/4	29,670	3/4	41,621	3/4	53,593	3/4	65,565	3/4	77,537	3/4	89,509	3/4	101,481	3/4	113,453
9	5,985	9	17,953	9	29,919	9	41,871	9	53,842	9	65,814	9	77,786	9	89,758	9	101,730	9	113,702
1/4	6,234	1/4	18,202	1/4	30,167	1/4	42,120	1/4	54,092	1/4	66,064	1/4	78,036	1/4	90,008	1/4	101,980	1/4	113,951
1/2	6,483	1/2	18,452	1/2	30,416	1/2	42,369	1/2	54,341	1/2	66,313	1/2	78,285	1/2	90,257	1/2	102,229	1/2	114,201
3/4	6,731	3/4	18,701	3/4	30,665	3/4	42,619	3/4	54,591	3/4	66,563	3/4	78,535	3/4	90,506	3/4	102,478	3/4	114,450
10	6,980	10	18,951	10	30,914	10	42,868	10	54,840	10	66,812	10	78,784	10	90,756	10	102,728	10	114,700
1/4	7,229	1/4	19,200	1/4	31,162	1/4	43,118	1/4	55,090	1/4	67,061	1/4	79,033	1/4	91,005	1/4	102,977	1/4	114,949
1/2	7,478	1/2	19,449	1/2	31,411	1/2	43,367	1/2	55,339	1/2	67,311	1/2	79,283	1/2	91,255	1/2	103,227	1/2	115,199
3/4	7,728	3/4	19,699	3/4	31,660	3/4	43,616	3/4	55,588	3/4	67,560	3/4	79,532	3/4	91,504	3/4	103,476	3/4	115,448
11	7,977	11	19,948	11	31,908	11	43,866	11	55,838	11	67,810	11	79,782	11	91,754	11	103,725	11	115,697
1/4	8,226	1/4	20,198	1/4	32,157	1/4	44,115	1/4	56,087	1/4	68,059	1/4	80,031	1/4	92,003	1/4	103,975	1/4	115,947
1/2	8,476	1/2	20,447	1/2	32,406	1/2	44,365	1/2	56,337	1/2	68,309	1/2	80,280	1/2	92,252	1/2	104,224	1/2	116,196
3/4	8,725	3/4	20,696	3/4	32,654	3/4	44,614	3/4	56,586	3/4	68,558	3/4	80,530	3/4	92,502	3/4	104,474	3/4	116,446

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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BARGE "CBC 1401"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	116,695	0	128,667	0	140,639	0	152,611	0	164,583	0		0		0		0		0	
1/4	116,944	1/4	128,916	1/4	140,888	1/4	152,860	1/4	164,832	1/4		1/4		1/4		1/4		1/4	
1/2	117,194	1/2	129,166	1/2	141,138	1/2	153,110	1/2	165,081	1/2		1/2		1/2		1/2		1/2	
3/4	117,443	3/4	129,415	3/4	141,387	3/4	153,359	3/4	165,331	3/4		3/4		3/4		3/4		3/4	
1	117,693	1	129,665	1	141,636	1	153,608	1	165,580	1		1		1		1		1	
1/4	117,942	1/4	129,914	1/4	141,886	1/4	153,858	1/4	165,830	1/4		1/4		1/4		1/4		1/4	
1/2	118,191	1/2	130,163	1/2	142,135	1/2	154,107	1/2	166,079	1/2		1/2		1/2		1/2		1/2	
3/4	118,441	3/4	130,413	3/4	142,385	3/4	154,357	3/4	166,329	3/4		3/4		3/4		3/4		3/4	
2	118,690	2	130,662	2	142,634	2	154,606	2	166,578	2		2		2		2		2	
1/4	118,940	1/4	130,912	1/4	142,884	1/4	154,855	1/4	166,827	1/4		1/4		1/4		1/4		1/4	
1/2	119,189	1/2	131,161	1/2	143,133	1/2	155,105	1/2	167,077	1/2		1/2		1/2		1/2		1/2	
3/4	119,439	3/4	131,410	3/4	143,382	3/4	155,354	3/4	167,326	3/4		3/4		3/4		3/4		3/4	
3	119,688	3	131,660	3	143,632	3	155,604	3	167,576	3		3		3		3		3	
1/4	119,937	1/4	131,909	1/4	143,881	1/4	155,853	1/4	167,804	1/4		1/4		1/4		1/4		1/4	
1/2	120,187	1/2	132,159	1/2	144,131	1/2	156,103	1/2	168,033	1/2		1/2		1/2		1/2		1/2	
3/4	120,436	3/4	132,408	3/4	144,380	3/4	156,352	3/4	168,262	3/4		3/4		3/4		3/4		3/4	
4	120,686	4	132,658	4	144,629	4	156,601	4	168,490	4		4		4		4		4	
1/4	120,935	1/4	132,907	1/4	144,879	1/4	156,851	1/4	168,677	1/4		1/4		1/4		1/4		1/4	
1/2	121,184	1/2	133,156	1/2	145,128	1/2	157,100	1/2	168,864	1/2		1/2		1/2		1/2		1/2	
3/4	121,434	3/4	133,406	3/4	145,378	3/4	157,350	3/4	169,051	3/4		3/4		3/4		3/4		3/4	
5	121,683	5	133,655	5	145,627	5	157,599	5	169,238	5		5		5		5		5	
1/4	121,933	1/4	133,905	1/4	145,877	1/4	157,848	1/4	169,384	1/4		1/4		1/4		1/4		1/4	
1/2	122,182	1/2	134,154	1/2	146,126	1/2	158,098	1/2	169,529	1/2		1/2		1/2		1/2		1/2	
3/4	122,432	3/4	134,403	3/4	146,375	3/4	158,347	3/4	169,675	3/4		3/4		3/4		3/4		3/4	
6	122,681	6	134,653	6	146,625	6	158,597	6	169,820	6		6		6		6		6	
1/4	122,930	1/4	134,902	1/4	146,874	1/4	158,846	1/4	169,924	1/4		1/4		1/4		1/4		1/4	
1/2	123,180	1/2	135,152	1/2	147,124	1/2	159,096	1/2	170,028	1/2		1/2		1/2		1/2		1/2	
3/4	123,429	3/4	135,401	3/4	147,373	3/4	159,345	3/4	170,132	3/4		3/4		3/4		3/4		3/4	
7	123,679	7	135,651	7	147,622	7	159,594	7	170,236	7		7		7		7		7	
1/4	123,928	1/4	135,900	1/4	147,872	1/4	159,844	1/4	170,298	1/4		1/4		1/4		1/4		1/4	
1/2	124,177	1/2	136,149	1/2	148,121	1/2	160,093	1/2	170,361	1/2		1/2		1/2		1/2		1/2	
3/4	124,427	3/4	136,399	3/4	148,371	3/4	160,343	3/4	170,423	3/4		3/4		3/4		3/4		3/4	
8	124,676	8	136,648	8	148,620	8	160,592	8	170,485	8		8		8		8		8	
1/4	124,926	1/4	136,898	1/4	148,870	1/4	160,841	1/4	170,506	1/4		1/4		1/4		1/4		1/4	
1/2	125,175	1/2	137,147	1/2	149,119	1/2	161,091	1/2	170,527	1/2		1/2		1/2		1/2		1/2	
3/4	125,425	3/4	137,396	3/4	149,368	3/4	161,340	3/4		3/4		3/4		3/4		3/4		3/4	
9	125,674	9	137,646	9	149,618	9	161,590	9		9		9		9		9		9	
1/4	125,923	1/4	137,895	1/4	149,867	1/4	161,839	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,173	1/2	138,145	1/2	150,117	1/2	162,089	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,422	3/4	138,394	3/4	150,366	3/4	162,338	3/4		3/4		3/4		3/4		3/4		3/4	
10	126,672	10	138,644	10	150,615	10	162,587	10		10		10		10		10		10	
1/4	126,921	1/4	138,893	1/4	150,865	1/4	162,837	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,170	1/2	139,142	1/2	151,114	1/2	163,086	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,420	3/4	139,392	3/4	151,364	3/4	163,336	3/4		3/4		3/4		3/4		3/4		3/4	
11	127,669	11	139,641	11	151,613	11	163,585	11		11		11		11		11		11	
1/4	127,919	1/4	139,891	1/4	151,863	1/4	163,834	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,168	1/2	140,140	1/2	152,112	1/2	164,084	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,418	3/4	140,389	3/4	152,361	3/4	164,333	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2018 CL
CALCULATED: 03/19/2018 CL
PRINTED: 03/19/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2018

PRECISION MEASUREMENT
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BARGE "CBC 1401"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>										
1 CENTER	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 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	01-1/8	- 01-1/8	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: 179'-06"

March 19, 2018

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

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BARGE "CBC 1401"

1 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	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4		1/4		1/4	151,538	1/4	144,273	1/4	136,317	1/4	128,023	1/4	119,906	1/4	109,588	1/4	97,995	1/4	86,402
1/2		1/2		1/2	151,517	1/2	144,104	1/2	135,979	1/2	127,854	1/2	119,738	1/2	109,104	1/2	97,512	1/2	85,919
3/4		3/4		3/4	151,497	3/4	143,934	3/4	135,809	3/4	127,685	3/4	119,569	3/4	108,863	3/4	97,270	3/4	85,677
1	1	1	1	1	151,437	1	143,765	1	135,640	1	127,515	1	119,400	1	108,621	1	97,029	1	85,435
1/4		1/4		1/4	151,376	1/4	143,596	1/4	135,471	1/4	127,346	1/4	119,232	1/4	108,380	1/4	96,787	1/4	85,194
1/2		1/2		1/2	151,316	1/2	143,426	1/2	135,302	1/2	127,177	1/2	119,063	1/2	108,138	1/2	96,545	1/2	84,952
3/4		3/4		3/4	151,255	3/4	143,257	3/4	135,132	3/4	127,008	3/4	118,894	3/4	107,897	3/4	96,304	3/4	84,711
2	2	2	2	2	151,154	2	143,088	2	134,963	2	126,838	2	118,725	2	107,655	2	96,062	2	84,469
1/4		1/4		1/4	151,054	1/4	142,919	1/4	134,794	1/4	126,669	1/4	118,557	1/4	107,414	1/4	95,821	1/4	84,228
1/2		1/2		1/2	150,953	1/2	142,749	1/2	134,625	1/2	126,500	1/2	118,388	1/2	107,172	1/2	95,579	1/2	83,986
3/4		3/4		3/4	150,852	3/4	142,580	3/4	134,455	3/4	126,331	3/4	118,219	3/4	106,931	3/4	95,338	3/4	83,745
3	3	3	3	3	150,711	3	142,411	3	134,286	3	126,161	3	118,051	3	106,689	3	95,096	3	83,503
1/4		1/4		1/4	150,570	1/4	142,242	1/4	134,117	1/4	125,992	1/4	117,883	1/4	106,448	1/4	94,855	1/4	83,262
1/2		1/2		1/2	150,428	1/2	142,072	1/2	133,948	1/2	125,823	1/2	117,715	1/2	106,206	1/2	94,613	1/2	83,020
3/4		3/4		3/4	150,287	3/4	141,903	3/4	133,778	3/4	125,653	3/4	117,546	3/4	105,965	3/4	94,372	3/4	82,779
4	4	4	4	4	150,106	4	141,734	4	133,609	4	125,484	4	117,306	4	105,723	4	94,130	4	82,538
1/4		1/4		1/4	149,924	1/4	141,565	1/4	133,440	1/4	125,315	1/4	117,065	1/4	105,482	1/4	93,889	1/4	82,297
1/2		1/2		1/2	149,743	1/2	141,395	1/2	133,270	1/2	125,146	1/2	116,824	1/2	105,240	1/2	93,647	1/2	82,056
3/4		3/4		3/4	149,561	3/4	141,226	3/4	133,101	3/4	124,976	3/4	116,583	3/4	104,999	3/4	93,406	3/4	81,816
5	5	5	5	5	149,339	5	141,057	5	132,932	5	124,807	5	116,342	5	104,757	5	93,164	5	81,576
1/4		1/4		1/4	149,117	1/4	140,887	1/4	132,763	1/4	124,638	1/4	116,101	1/4	104,516	1/4	92,923	1/4	81,335
1/2		1/2		1/2	148,896	1/2	140,718	1/2	132,593	1/2	124,469	1/2	115,860	1/2	104,274	1/2	92,681	1/2	81,095
3/4		3/4		3/4	148,674	3/4	140,549	3/4	132,424	3/4	124,299	3/4	115,619	3/4	104,033	3/4	92,440	3/4	80,855
6	6	6	6	6	148,505	6	140,380	6	132,255	6	124,130	6	115,378	6	103,791	6	92,198	6	80,615
1/4		1/4		1/4	148,335	1/4	140,210	1/4	132,086	1/4	123,961	1/4	115,137	1/4	103,550	1/4	91,957	1/4	80,375
1/2		1/2		1/2	148,166	1/2	140,041	1/2	131,916	1/2	123,791	1/2	114,896	1/2	103,308	1/2	91,715	1/2	80,135
3/4		3/4		3/4	147,997	3/4	139,872	3/4	131,747	3/4	123,622	3/4	114,655	3/4	103,067	3/4	91,474	3/4	79,895
7	7	7	7	7	147,827	7	139,703	7	131,578	7	123,453	7	114,414	7	102,825	7	91,232	7	79,655
1/4		1/4		1/4	147,658	1/4	139,533	1/4	131,409	1/4	123,284	1/4	114,173	1/4	102,583	1/4	90,991	1/4	79,415
1/2		1/2		1/2	147,489	1/2	139,364	1/2	131,239	1/2	123,114	1/2	113,932	1/2	102,342	1/2	90,749	1/2	79,175
3/4		3/4		3/4	147,320	3/4	139,195	3/4	131,070	3/4	122,945	3/4	113,691	3/4	102,100	3/4	90,508	3/4	78,935
8	8	8	8	8	147,150	8	139,026	8	130,901	8	122,776	8	113,450	8	101,859	8	90,266	8	78,695
1/4		1/4		1/4	146,981	1/4	138,856	1/4	130,731	1/4	122,607	1/4	113,209	1/4	101,617	1/4	90,024	1/4	78,455
1/2		1/2		1/2	146,812	1/2	138,687	1/2	130,562	1/2	122,437	1/2	112,968	1/2	101,376	1/2	89,783	1/2	78,214
3/4		3/4		3/4	146,643	3/4	138,518	3/4	130,393	3/4	122,268	3/4	112,727	3/4	101,134	3/4	89,541	3/4	77,974
9	9	9	9	9	146,473	9	138,348	9	130,224	9	122,099	9	112,486	9	100,893	9	89,300	9	77,734
1/4		1/4		1/4	146,304	1/4	138,179	1/4	130,054	1/4	121,931	1/4	112,244	1/4	100,651	1/4	89,058	1/4	77,494
1/2		1/2		1/2	146,135	1/2	138,010	1/2	129,885	1/2	121,762	1/2	112,003	1/2	100,410	1/2	88,817	1/2	77,254
3/4		3/4		3/4	145,966	3/4	137,841	3/4	129,716	3/4	121,593	3/4	111,761	3/4	100,168	3/4	88,575	3/4	77,014
10	10	10	10	10	145,796	10	137,671	10	129,547	10	121,425	10	111,520	10	99,927	10	88,334	10	76,774
1/4		1/4		1/4	145,627	1/4	137,502	1/4	129,377	1/4	121,256	1/4	111,278	1/4	99,685	1/4	88,092	1/4	76,534
1/2		1/2		1/2	145,458	1/2	137,333	1/2	129,208	1/2	121,087	1/2	111,037	1/2	99,444	1/2	87,851	1/2	76,294
3/4		3/4		3/4	145,288	3/4	137,164	3/4	129,039	3/4	120,918	3/4	110,795	3/4	99,202	3/4	87,609	3/4	76,054
11	11	11	11	11	145,119	11	136,994	11	128,870	11	120,750	11	110,554	11	98,961	11	87,368	11	75,814
1/4		1/4		1/4	144,950	1/4	136,825	1/4	128,700	1/4	120,581	1/4	110,312	1/4	98,719	1/4	87,126	1/4	75,574
1/2		1/2		1/2	144,781	1/2	136,656	1/2	128,531	1/2	120,412	1/2	110,071	1/2	98,478	1/2	86,885	1/2	75,333
3/4		3/4		3/4	144,611	3/4	136,487	3/4	128,362	3/4	120,244	3/4	109,829	3/4	98,236	3/4	86,643	3/4	75,093

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
<http://www.pmacorp.net>



BARGE "CBC 1401"

1 CENTER ULLAGE 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	74,853	0	63,271	0	51,682	0	40,094	0	28,713	0	17,179	0	5,568	0		0			0
1/4	74,612	1/4	63,029	1/4	51,441	1/4	39,852	1/4	28,479	1/4	16,937	1/4	5,328	1/4		1/4			1/4
1/2	74,371	1/2	62,788	1/2	51,199	1/2	39,611	1/2	28,245	1/2	16,695	1/2	5,087	1/2		1/2			1/2
3/4	74,130	3/4	62,546	3/4	50,958	3/4	39,369	3/4	28,011	3/4	16,453	3/4	4,846	3/4		3/4			3/4
1	73,889	1	62,305	1	50,716	1	39,128	1	27,776	1	16,211	1	4,607	1		1			1
1/4	73,648	1/4	62,063	1/4	50,475	1/4	38,887	1/4	27,541	1/4	15,969	1/4	4,368	1/4		1/4			1/4
1/2	73,408	1/2	61,822	1/2	50,234	1/2	38,645	1/2	27,307	1/2	15,727	1/2	4,129	1/2		1/2			1/2
3/4	73,167	3/4	61,581	3/4	49,992	3/4	38,404	3/4	27,072	3/4	15,485	3/4	3,889	3/4		3/4			3/4
2	72,926	2	61,339	2	49,751	2	38,162	2	26,837	2	15,243	2	3,652	2		2			2
1/4	72,685	1/4	61,098	1/4	49,509	1/4	37,921	1/4	26,603	1/4	15,001	1/4	3,415	1/4		1/4			1/4
1/2	72,444	1/2	60,856	1/2	49,268	1/2	37,680	1/2	26,368	1/2	14,759	1/2	3,178	1/2		1/2			1/2
3/4	72,203	3/4	60,615	3/4	49,027	3/4	37,438	3/4	26,134	3/4	14,517	3/4	2,940	3/4		3/4			3/4
3	71,962	3	60,374	3	48,785	3	37,197	3	25,892	3	14,275	3	2,719	3		3			3
1/4	71,721	1/4	60,132	1/4	48,544	1/4	36,955	1/4	25,650	1/4	14,033	1/4	2,498	1/4		1/4			1/4
1/2	71,479	1/2	59,891	1/2	48,302	1/2	36,714	1/2	25,408	1/2	13,791	1/2	2,277	1/2		1/2			1/2
3/4	71,238	3/4	59,649	3/4	48,061	3/4	36,472	3/4	25,166	3/4	13,549	3/4	2,056	3/4		3/4			3/4
4	70,996	4	59,408	4	47,819	4	36,231	4	24,924	4	13,307	4	1,874	4		4			4
1/4	70,755	1/4	59,166	1/4	47,578	1/4	35,990	1/4	24,682	1/4	13,065	1/4	1,693	1/4		1/4			1/4
1/2	70,513	1/2	58,925	1/2	47,337	1/2	35,748	1/2	24,439	1/2	12,823	1/2	1,511	1/2		1/2			1/2
3/4	70,272	3/4	58,684	3/4	47,095	3/4	35,507	3/4	24,197	3/4	12,581	3/4	1,330	3/4		3/4			3/4
5	70,031	5	58,442	5	46,854	5	35,272	5	23,955	5	12,339	5	1,189	5		5			5
1/4	69,789	1/4	58,201	1/4	46,612	1/4	35,038	1/4	23,713	1/4	12,097	1/4	1,048	1/4		1/4			1/4
1/2	69,548	1/2	57,959	1/2	46,371	1/2	34,804	1/2	23,471	1/2	11,855	1/2	907	1/2		1/2			1/2
3/4	69,306	3/4	57,718	3/4	46,129	3/4	34,570	3/4	23,229	3/4	11,613	3/4	765	3/4		3/4			3/4
6	69,065	6	57,476	6	45,888	6	34,335	6	22,987	6	11,371	6	665	6		6			6
1/4	68,823	1/4	57,235	1/4	45,647	1/4	34,101	1/4	22,745	1/4	11,129	1/4	564	1/4		1/4			1/4
1/2	68,582	1/2	56,994	1/2	45,405	1/2	33,867	1/2	22,503	1/2	10,887	1/2	463	1/2		1/2			1/2
3/4	68,341	3/4	56,752	3/4	45,164	3/4	33,633	3/4	22,261	3/4	10,645	3/4	362	3/4		3/4			3/4
7	68,099	7	56,511	7	44,922	7	33,398	7	22,019	7	10,403	7	302	7		7			7
1/4	67,858	1/4	56,269	1/4	44,681	1/4	33,164	1/4	21,777	1/4	10,161	1/4	241	1/4		1/4			1/4
1/2	67,616	1/2	56,028	1/2	44,439	1/2	32,930	1/2	21,535	1/2	9,919	1/2	181	1/2		1/2			1/2
3/4	67,375	3/4	55,786	3/4	44,198	3/4	32,696	3/4	21,293	3/4	9,677	3/4	120	3/4		3/4			3/4
8	67,133	8	55,545	8	43,957	8	32,461	8	21,051	8	9,435	8	100	8		8			8
1/4	66,892	1/4	55,304	1/4	43,715	1/4	32,227	1/4	20,809	1/4	9,193	1/4	80	1/4		1/4			1/4
1/2	66,651	1/2	55,062	1/2	43,474	1/2	31,993	1/2	20,567	1/2	8,951	1/2	60	1/2		1/2			1/2
3/4	66,409	3/4	54,821	3/4	43,232	3/4	31,759	3/4	20,325	3/4	8,709	3/4	39	3/4		3/4			3/4
9	66,168	9	54,579	9	42,991	9	31,524	9	20,083	9	8,467	9		9		9			9
1/4	65,926	1/4	54,338	1/4	42,749	1/4	31,290	1/4	19,841	1/4	8,225	1/4		1/4		1/4			1/4
1/2	65,685	1/2	54,096	1/2	42,508	1/2	31,056	1/2	19,599	1/2	7,983	1/2		1/2		1/2			1/2
3/4	65,443	3/4	53,855	3/4	42,267	3/4	30,822	3/4	19,357	3/4	7,741	3/4		3/4		3/4			3/4
10	65,202	10	53,614	10	42,025	10	30,587	10	19,115	10	7,499	10		10		10			10
1/4	64,961	1/4	53,372	1/4	41,784	1/4	30,353	1/4	18,873	1/4	7,257	1/4		1/4		1/4			1/4
1/2	64,719	1/2	53,131	1/2	41,542	1/2	30,119	1/2	18,631	1/2	7,016	1/2		1/2		1/2			1/2
3/4	64,478	3/4	52,889	3/4	41,301	3/4	29,885	3/4	18,389	3/4	6,774	3/4		3/4		3/4			3/4
11	64,236	11	52,648	11	41,059	11	29,650	11	18,147	11	6,533	11		11		11			11
1/4	63,995	1/4	52,406	1/4	40,818	1/4	29,416	1/4	17,905	1/4	6,291	1/4		1/4		1/4			1/4
1/2	63,753	1/2	52,165	1/2	40,577	1/2	29,182	1/2	17,663	1/2	6,050	1/2		1/2		1/2			1/2
3/4	63,512	3/4	51,924	3/4	40,335	3/4	28,948	3/4	17,421	3/4	5,809	3/4		3/4		3/4			3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2018 CL
CALCULATED: 03/19/2018 CL
PRINTED: 03/19/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1401"

2 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	190,002	0	180,416	0	166,985	0	153,555	0	140,124	0	126,694	0	113,263	0	99,833		
1/4	1/4	1/4	190,978	1/4	180,136	1/4	166,705	1/4	153,275	1/4	139,844	1/4	126,414	1/4	112,983	1/4	99,553		
1/2	1/2	1/2	190,955	1/2	179,856	1/2	166,426	1/2	152,995	1/2	139,565	1/2	126,134	1/2	112,704	1/2	99,273		
3/4	3/4	3/4	190,885	3/4	179,576	3/4	166,146	3/4	152,715	3/4	139,285	3/4	125,854	3/4	112,424	3/4	98,993		
1	1	1	190,815	1	179,297	1	165,866	1	152,436	1	139,005	1	125,575	1	112,144	1	98,714		
1/4	1/4	1/4	190,745	1/4	179,017	1/4	165,586	1/4	152,156	1/4	138,725	1/4	125,295	1/4	111,864	1/4	98,434		
1/2	1/2	1/2	190,675	1/2	178,737	1/2	165,306	1/2	151,876	1/2	138,445	1/2	125,015	1/2	111,584	1/2	98,154		
3/4	3/4	3/4	190,559	3/4	178,457	3/4	165,027	3/4	151,596	3/4	138,166	3/4	124,735	3/4	111,305	3/4	97,874		
2	2	2	190,442	2	178,177	2	164,747	2	151,316	2	137,886	2	124,455	2	111,025	2	97,594		
1/4	1/4	1/4	190,325	1/4	177,898	1/4	164,467	1/4	151,037	1/4	137,606	1/4	124,176	1/4	110,745	1/4	97,315		
1/2	1/2	1/2	190,209	1/2	177,618	1/2	164,187	1/2	150,757	1/2	137,326	1/2	123,896	1/2	110,465	1/2	97,035		
3/4	3/4	3/4	190,046	3/4	177,338	3/4	163,907	3/4	150,477	3/4	137,046	3/4	123,616	3/4	110,185	3/4	96,755		
3	3	3	189,882	3	177,058	3	163,628	3	150,197	3	136,767	3	123,336	3	109,906	3	96,475		
1/4	1/4	1/4	189,719	1/4	176,778	1/4	163,348	1/4	149,917	1/4	136,487	1/4	123,056	1/4	109,626	1/4	96,195		
1/2	1/2	1/2	189,556	1/2	176,499	1/2	163,068	1/2	149,638	1/2	136,207	1/2	122,777	1/2	109,346	1/2	95,916		
3/4	3/4	3/4	189,346	3/4	176,219	3/4	162,788	3/4	149,358	3/4	135,927	3/4	122,497	3/4	109,066	3/4	95,636		
4	4	4	189,136	4	175,939	4	162,508	4	149,078	4	135,647	4	122,217	4	108,786	4	95,356		
1/4	1/4	1/4	188,926	1/4	175,659	1/4	162,229	1/4	148,798	1/4	135,368	1/4	121,937	1/4	108,507	1/4	95,076		
1/2	1/2	1/2	188,717	1/2	175,379	1/2	161,949	1/2	148,518	1/2	135,088	1/2	121,657	1/2	108,227	1/2	94,796		
3/4	3/4	3/4	188,460	3/4	175,100	3/4	161,669	3/4	148,239	3/4	134,808	3/4	121,378	3/4	107,947	3/4	94,517		
5	5	5	188,204	5	174,820	5	161,389	5	147,959	5	134,528	5	121,098	5	107,667	5	94,237		
1/4	1/4	1/4	187,947	1/4	174,540	1/4	161,109	1/4	147,679	1/4	134,248	1/4	120,818	1/4	107,387	1/4	93,957		
1/2	1/2	1/2	187,691	1/2	174,260	1/2	160,830	1/2	147,399	1/2	133,969	1/2	120,538	1/2	107,108	1/2	93,677		
3/4	3/4	3/4	187,411	3/4	173,980	3/4	160,550	3/4	147,119	3/4	133,689	3/4	120,258	3/4	106,828	3/4	93,397		
6	6	6	187,131	6	173,701	6	160,270	6	146,840	6	133,409	6	119,979	6	106,548	6	93,118		
1/4	1/4	1/4	186,851	1/4	173,421	1/4	159,990	1/4	146,560	1/4	133,129	1/4	119,699	1/4	106,268	1/4	92,838		
1/2	1/2	1/2	186,571	1/2	173,141	1/2	159,710	1/2	146,280	1/2	132,849	1/2	119,419	1/2	105,988	1/2	92,558		
3/4	3/4	3/4	186,292	3/4	172,861	3/4	159,431	3/4	146,000	3/4	132,570	3/4	119,139	3/4	105,709	3/4	92,278		
7	7	7	186,012	7	172,581	7	159,151	7	145,720	7	132,290	7	118,859	7	105,429	7	91,998		
1/4	1/4	1/4	185,732	1/4	172,302	1/4	158,871	1/4	145,441	1/4	132,010	1/4	118,580	1/4	105,149	1/4	91,719		
1/2	1/2	1/2	185,452	1/2	172,022	1/2	158,591	1/2	145,161	1/2	131,730	1/2	118,300	1/2	104,869	1/2	91,439		
3/4	3/4	3/4	185,172	3/4	171,742	3/4	158,311	3/4	144,881	3/4	131,450	3/4	118,020	3/4	104,589	3/4	91,159		
8	8	8	184,893	8	171,462	8	158,032	8	144,601	8	131,171	8	117,740	8	104,310	8	90,879		
1/4	1/4	1/4	184,613	1/4	171,182	1/4	157,752	1/4	144,321	1/4	130,891	1/4	117,460	1/4	104,030	1/4	90,599		
1/2	1/2	1/2	184,333	1/2	170,903	1/2	157,472	1/2	144,042	1/2	130,611	1/2	117,181	1/2	103,750	1/2	90,319		
3/4	3/4	3/4	184,053	3/4	170,623	3/4	157,192	3/4	143,762	3/4	130,331	3/4	116,901	3/4	103,470	3/4	90,040		
9	9	9	183,773	9	170,343	9	156,912	9	143,482	9	130,051	9	116,621	9	103,190	9	89,760		
1/4	1/4	1/4	183,494	1/4	170,063	1/4	156,633	1/4	143,202	1/4	129,772	1/4	116,341	1/4	102,911	1/4	89,480		
1/2	1/2	1/2	183,214	1/2	169,783	1/2	156,353	1/2	142,922	1/2	129,492	1/2	116,061	1/2	102,631	1/2	89,200		
3/4	3/4	3/4	182,934	3/4	169,504	3/4	156,073	3/4	142,643	3/4	129,212	3/4	115,781	3/4	102,351	3/4	88,920		
10	10	10	182,654	10	169,224	10	155,793	10	142,363	10	128,932	10	115,502	10	102,071	10	88,641		
1/4	1/4	1/4	182,374	1/4	168,944	1/4	155,513	1/4	142,083	1/4	128,652	1/4	115,222	1/4	101,791	1/4	88,361		
1/2	1/2	1/2	182,095	1/2	168,664	1/2	155,234	1/2	141,803	1/2	128,373	1/2	114,942	1/2	101,512	1/2	88,081		
3/4	3/4	3/4	181,815	3/4	168,384	3/4	154,954	3/4	141,523	3/4	128,093	3/4	114,662	3/4	101,232	3/4	87,801		
11	11	11	181,535	11	168,105	11	154,674	11	141,243	11	127,813	11	114,382	11	100,952	11	87,521		
1/4	1/4	1/4	181,255	1/4	167,825	1/4	154,394	1/4	140,964	1/4	127,533	1/4	114,103	1/4	100,672	1/4	87,242		
1/2	1/2	1/2	180,975	1/2	167,545	1/2	154,114	1/2	140,684	1/2	127,253	1/2	113,823	1/2	100,392	1/2	86,962		
3/4	3/4	3/4	180,696	3/4	167,265	3/4	153,835	3/4	140,404	3/4	126,974	3/4	113,543	3/4	100,113	3/4	86,682		

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
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BARGE "CBC 1401"

2 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	86,402	0	72,972	0	59,541	0	46,111	0	32,958	0	19,576	0	6,154	0		0			
1/4	86,122	1/4	72,692	1/4	59,261	1/4	45,831	1/4	32,687	1/4	19,296	1/4	5,875	1/4		0			1/4
1/2	85,843	1/2	72,412	1/2	58,982	1/2	45,551	1/2	32,415	1/2	19,016	1/2	5,597	1/2		1/2			1/2
3/4	85,563	3/4	72,132	3/4	58,702	3/4	45,271	3/4	32,143	3/4	18,737	3/4	5,321	3/4		3/4			3/4
1	85,283	1	71,853	1	58,422	1	44,992	1	31,871	1	18,457	1	5,044	1		1			1
1/4	85,003	1/4	71,573	1/4	58,142	1/4	44,712	1/4	31,599	1/4	18,177	1/4	4,767	1/4		1/4			1/4
1/2	84,723	1/2	71,293	1/2	57,862	1/2	44,432	1/2	31,327	1/2	17,897	1/2	4,491	1/2		1/2			1/2
3/4	84,444	3/4	71,013	3/4	57,583	3/4	44,152	3/4	31,047	3/4	17,617	3/4	4,217	3/4		3/4			3/4
2	84,164	2	70,733	2	57,303	2	43,872	2	30,768	2	17,338	2	3,942	2		2			2
1/4	83,884	1/4	70,454	1/4	57,023	1/4	43,593	1/4	30,488	1/4	17,058	1/4	3,668	1/4		1/4			1/4
1/2	83,604	1/2	70,174	1/2	56,743	1/2	43,313	1/2	30,208	1/2	16,778	1/2	3,394	1/2		1/2			1/2
3/4	83,324	3/4	69,894	3/4	56,463	3/4	43,033	3/4	29,928	3/4	16,498	3/4	3,138	3/4		3/4			3/4
3	83,045	3	69,614	3	56,184	3	42,753	3	29,648	3	16,218	3	2,882	3		3			3
1/4	82,765	1/4	69,334	1/4	55,904	1/4	42,473	1/4	29,369	1/4	15,939	1/4	2,627	1/4		1/4			1/4
1/2	82,485	1/2	69,055	1/2	55,624	1/2	42,194	1/2	29,089	1/2	15,659	1/2	2,371	1/2		1/2			1/2
3/4	82,205	3/4	68,775	3/4	55,344	3/4	41,922	3/4	28,809	3/4	15,379	3/4	2,161	3/4		3/4			3/4
4	81,925	4	68,495	4	55,064	4	41,650	4	28,529	4	15,099	4	1,951	4		4			4
1/4	81,646	1/4	68,215	1/4	54,785	1/4	41,378	1/4	28,250	1/4	14,819	1/4	1,741	1/4		1/4			1/4
1/2	81,366	1/2	67,935	1/2	54,505	1/2	41,106	1/2	27,970	1/2	14,540	1/2	1,532	1/2		1/2			1/2
3/4	81,086	3/4	67,656	3/4	54,225	3/4	40,834	3/4	27,690	3/4	14,260	3/4	1,368	3/4		3/4			3/4
5	80,806	5	67,376	5	53,945	5	40,563	5	27,410	5	13,980	5	1,205	5		5			5
1/4	80,526	1/4	67,096	1/4	53,665	1/4	40,291	1/4	27,130	1/4	13,700	1/4	1,042	1/4		1/4			1/4
1/2	80,247	1/2	66,816	1/2	53,386	1/2	40,019	1/2	26,851	1/2	13,420	1/2	879	1/2		1/2			1/2
3/4	79,967	3/4	66,536	3/4	53,106	3/4	39,748	3/4	26,571	3/4	13,141	3/4	762	3/4		3/4			3/4
6	79,687	6	66,257	6	52,826	6	39,476	6	26,291	6	12,861	6	646	6		6			6
1/4	79,407	1/4	65,977	1/4	52,546	1/4	39,205	1/4	26,011	1/4	12,581	1/4	529	1/4		1/4			1/4
1/2	79,127	1/2	65,697	1/2	52,266	1/2	38,933	1/2	25,731	1/2	12,301	1/2	412	1/2		1/2			1/2
3/4	78,848	3/4	65,417	3/4	51,987	3/4	38,661	3/4	25,452	3/4	12,022	3/4	342	3/4		3/4			3/4
7	78,568	7	65,137	7	51,707	7	38,390	7	25,172	7	11,742	7	277	7		7			7
1/4	78,288	1/4	64,857	1/4	51,427	1/4	38,118	1/4	24,892	1/4	11,462	1/4	203	1/4		1/4			1/4
1/2	78,008	1/2	64,578	1/2	51,147	1/2	37,847	1/2	24,612	1/2	11,182	1/2	133	1/2		1/2			1/2
3/4	77,728	3/4	64,298	3/4	50,867	3/4	37,575	3/4	24,332	3/4	10,902	3/4	109	3/4		3/4			3/4
8	77,449	8	64,018	8	50,588	8	37,304	8	24,053	8	10,623	8	86	8		8			8
1/4	77,169	1/4	63,738	1/4	50,308	1/4	37,032	1/4	23,773	1/4	10,343	1/4	63	1/4		1/4			1/4
1/2	76,889	1/2	63,458	1/2	50,028	1/2	36,760	1/2	23,493	1/2	10,063	1/2	39	1/2		1/2			1/2
3/4	76,609	3/4	63,179	3/4	49,748	3/4	36,489	3/4	23,213	3/4	9,783	3/4		3/4		3/4			3/4
9	76,329	9	62,899	9	49,468	9	36,217	9	22,933	9	9,503	9		9		9			9
1/4	76,050	1/4	62,619	1/4	49,189	1/4	35,946	1/4	22,654	1/4	9,224	1/4		1/4		1/4			1/4
1/2	75,770	1/2	62,339	1/2	48,909	1/2	35,674	1/2	22,374	1/2	8,944	1/2		1/2		1/2			1/2
3/4	75,490	3/4	62,059	3/4	48,629	3/4	35,402	3/4	22,094	3/4	8,664	3/4		3/4		3/4			3/4
10	75,210	10	61,780	10	48,349	10	35,131	10	21,814	10	8,385	10		10		10			10
1/4	74,930	1/4	61,500	1/4	48,069	1/4	34,859	1/4	21,534	1/4	8,105	1/4		1/4		1/4			1/4
1/2	74,651	1/2	61,220	1/2	47,790	1/2	34,588	1/2	21,255	1/2	7,826	1/2		1/2		1/2			1/2
3/4	74,371	3/4	60,940	3/4	47,510	3/4	34,316	3/4	20,975	3/4	7,547	3/4		3/4		3/4			3/4
11	74,091	11	60,660	11	47,230	11	34,045	11	20,695	11	7,268	11		11		11			11
1/4	73,811	1/4	60,381	1/4	46,950	1/4	33,773	1/4	20,415	1/4	6,989	1/4		1/4		1/4			1/4
1/2	73,531	1/2	60,101	1/2	46,670	1/2	33,501	1/2	20,136	1/2	6,710	1/2		1/2		1/2			1/2
3/4	73,252	3/4	59,821	3/4	46,391	3/4	33,230	3/4	19,856	3/4	6,432	3/4		3/4		3/4			3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2018 CL
CALCULATED: 03/19/2018 CL
PRINTED: 03/19/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1401"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	161,590	0	149,618	0	137,646	0	125,674	0	113,702	0	101,730	0	89,758
1/4	1/4	1/4	1/4	1/4	1/4	1/4	161,340	1/4	149,368	1/4	137,396	1/4	125,425	1/4	113,453	1/4	101,481	1/4	89,509
1/2	1/2	1/2	1/2	1/2	170,527	1/2	161,091	1/2	149,119	1/2	137,147	1/2	125,175	1/2	113,203	1/2	101,231	1/2	89,259
3/4	3/4	3/4	3/4	3/4	170,506	3/4	160,841	3/4	148,870	3/4	136,898	3/4	124,926	3/4	112,954	3/4	100,982	3/4	89,010
1	1	1	1	1	170,485	1	160,592	1	148,620	1	136,648	1	124,676	1	112,704	1	100,732	1	88,761
1/4	1/4	1/4	1/4	1/4	170,423	1/4	160,343	1/4	148,371	1/4	136,399	1/4	124,427	1/4	112,455	1/4	100,483	1/4	88,511
1/2	1/2	1/2	1/2	1/2	170,361	1/2	160,093	1/2	148,121	1/2	136,149	1/2	124,177	1/2	112,206	1/2	100,234	1/2	88,262
3/4	3/4	3/4	3/4	3/4	170,298	3/4	159,844	3/4	147,872	3/4	135,900	3/4	123,928	3/4	111,956	3/4	99,984	3/4	88,012
2	2	2	2	2	170,236	2	159,594	2	147,622	2	135,651	2	123,679	2	111,707	2	99,735	2	87,763
1/4	1/4	1/4	1/4	1/4	170,132	1/4	159,345	1/4	147,373	1/4	135,401	1/4	123,429	1/4	111,457	1/4	99,485	1/4	87,513
1/2	1/2	1/2	1/2	1/2	170,028	1/2	159,096	1/2	147,124	1/2	135,152	1/2	123,180	1/2	111,208	1/2	99,236	1/2	87,264
3/4	3/4	3/4	3/4	3/4	169,924	3/4	158,846	3/4	146,874	3/4	134,902	3/4	122,930	3/4	110,958	3/4	99,987	3/4	87,015
3	3	3	3	3	169,820	3	158,597	3	146,625	3	134,653	3	122,681	3	110,709	3	98,737	3	86,765
1/4	1/4	1/4	1/4	1/4	169,675	1/4	158,347	1/4	146,375	1/4	134,403	1/4	122,432	1/4	110,460	1/4	98,488	1/4	86,516
1/2	1/2	1/2	1/2	1/2	169,529	1/2	158,098	1/2	146,126	1/2	134,154	1/2	122,182	1/2	110,210	1/2	98,238	1/2	86,266
3/4	3/4	3/4	3/4	3/4	169,384	3/4	157,848	3/4	145,877	3/4	133,905	3/4	121,933	3/4	109,961	3/4	97,989	3/4	86,017
4	4	4	4	4	169,238	4	157,599	4	145,627	4	133,655	4	121,683	4	109,711	4	97,739	4	85,768
1/4	1/4	1/4	1/4	1/4	169,051	1/4	157,350	1/4	145,378	1/4	133,406	1/4	121,434	1/4	109,462	1/4	97,490	1/4	85,518
1/2	1/2	1/2	1/2	1/2	168,864	1/2	157,100	1/2	145,128	1/2	133,156	1/2	121,184	1/2	109,213	1/2	97,241	1/2	85,269
3/4	3/4	3/4	3/4	3/4	168,677	3/4	156,851	3/4	144,879	3/4	132,907	3/4	120,935	3/4	108,963	3/4	96,991	3/4	85,019
5	5	5	5	5	168,490	5	156,601	5	144,629	5	132,658	5	120,686	5	108,714	5	96,742	5	84,770
1/4	1/4	1/4	1/4	1/4	168,262	1/4	156,352	1/4	144,380	1/4	132,408	1/4	120,436	1/4	108,464	1/4	96,492	1/4	84,520
1/2	1/2	1/2	1/2	1/2	168,033	1/2	156,103	1/2	144,131	1/2	132,159	1/2	120,187	1/2	108,215	1/2	96,243	1/2	84,271
3/4	3/4	3/4	3/4	3/4	167,804	3/4	155,853	3/4	143,881	3/4	131,909	3/4	119,937	3/4	107,965	3/4	95,994	3/4	84,022
6	6	6	6	6	167,576	6	155,604	6	143,632	6	131,660	6	119,688	6	107,716	6	95,744	6	83,772
1/4	1/4	1/4	1/4	1/4	167,326	1/4	155,354	1/4	143,382	1/4	131,410	1/4	119,439	1/4	107,467	1/4	95,495	1/4	83,523
1/2	1/2	1/2	1/2	1/2	167,077	1/2	155,105	1/2	143,133	1/2	131,161	1/2	119,189	1/2	107,217	1/2	95,245	1/2	83,273
3/4	3/4	3/4	3/4	3/4	166,827	3/4	154,855	3/4	142,884	3/4	130,912	3/4	118,940	3/4	106,968	3/4	94,996	3/4	83,024
7	7	7	7	7	166,578	7	154,606	7	142,634	7	130,662	7	118,690	7	106,718	7	94,746	7	82,775
1/4	1/4	1/4	1/4	1/4	166,329	1/4	154,357	1/4	142,385	1/4	130,413	1/4	118,441	1/4	106,469	1/4	94,497	1/4	82,525
1/2	1/2	1/2	1/2	1/2	166,079	1/2	154,107	1/2	142,135	1/2	130,163	1/2	118,191	1/2	106,220	1/2	94,248	1/2	82,276
3/4	3/4	3/4	3/4	3/4	165,830	3/4	153,858	3/4	141,886	3/4	129,914	3/4	117,942	3/4	105,970	3/4	93,998	3/4	82,026
8	8	8	8	8	165,580	8	153,608	8	141,636	8	129,665	8	117,693	8	105,721	8	93,749	8	81,777
1/4	1/4	1/4	1/4	1/4	165,331	1/4	153,359	1/4	141,387	1/4	129,415	1/4	117,443	1/4	105,471	1/4	93,499	1/4	81,528
1/2	1/2	1/2	1/2	1/2	165,081	1/2	153,110	1/2	141,138	1/2	129,166	1/2	117,194	1/2	105,222	1/2	93,250	1/2	81,278
3/4	3/4	3/4	3/4	3/4	164,832	3/4	152,860	3/4	140,888	3/4	128,916	3/4	116,944	3/4	104,973	3/4	93,001	3/4	81,029
9	9	9	9	9	164,583	9	152,611	9	140,639	9	128,667	9	116,695	9	104,723	9	92,751	9	80,779
1/4	1/4	1/4	1/4	1/4	164,333	1/4	152,361	1/4	140,389	1/4	128,418	1/4	116,446	1/4	104,474	1/4	92,502	1/4	80,530
1/2	1/2	1/2	1/2	1/2	164,084	1/2	152,112	1/2	140,140	1/2	128,168	1/2	116,196	1/2	104,224	1/2	92,252	1/2	80,280
3/4	3/4	3/4	3/4	3/4	163,834	3/4	151,863	3/4	139,891	3/4	127,919	3/4	115,947	3/4	103,975	3/4	92,003	3/4	80,031
10	10	10	10	10	163,585	10	151,613	10	139,641	10	127,669	10	115,697	10	103,725	10	91,754	10	79,782
1/4	1/4	1/4	1/4	1/4	163,336	1/4	151,364	1/4	139,392	1/4	127,420	1/4	115,448	1/4	103,476	1/4	91,504	1/4	79,532
1/2	1/2	1/2	1/2	1/2	163,086	1/2	151,114	1/2	139,142	1/2	127,170	1/2	115,199	1/2	103,227	1/2	91,255	1/2	79,283
3/4	3/4	3/4	3/4	3/4	162,837	3/4	150,865	3/4	138,893	3/4	126,921	3/4	114,949	3/4	102,977	3/4	91,005	3/4	79,033
11	11	11	11	11	162,587	11	150,615	11	138,644	11	126,672	11	114,700	11	102,728	11	90,756	11	78,784
1/4	1/4	1/4	1/4	1/4	162,338	1/4	150,366	1/4	138,394	1/4	126,422	1/4	114,450	1/4	102,478	1/4	90,506	1/4	78,535
1/2	1/2	1/2	1/2	1/2	162,089	1/2	150,117	1/2	138,145	1/2	126,173	1/2	114,201	1/2	102,229	1/2	90,257	1/2	78,285
3/4	3/4	3/4	3/4	3/4	161,839	3/4	149,867	3/4	137,895	3/4	125,923	3/4	113,951	3/4	101,980	3/4	90,008	3/4	78,036

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
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BARGE "CBC 1401"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	77,786	0	65,814	0	53,842	0	41,871	0	29,919	0	17,953	0	5,985	0		0			0
1/4	77,537	1/4	65,565	1/4	53,593	1/4	41,621	1/4	29,670	1/4	17,704	1/4	5,737	1/4		1/4			1/4
1/2	77,287	1/2	65,316	1/2	53,344	1/2	41,372	1/2	29,421	1/2	17,454	1/2	5,490	1/2		1/2			1/2
3/4	77,038	3/4	65,066	3/4	53,094	3/4	41,122	3/4	29,173	3/4	17,205	3/4	5,242	3/4		3/4			3/4
1	76,789	1	64,817	1	52,845	1	40,873	1	28,924	1	16,955	1	4,994	1		1			1
1/4	76,539	1/4	64,567	1/4	52,595	1/4	40,623	1/4	28,675	1/4	16,706	1/4	4,747	1/4		1/4			1/4
1/2	76,290	1/2	64,318	1/2	52,346	1/2	40,374	1/2	28,426	1/2	16,457	1/2	4,501	1/2		1/2			1/2
3/4	76,040	3/4	64,068	3/4	52,097	3/4	40,125	3/4	28,177	3/4	16,207	3/4	4,254	3/4		3/4			3/4
2	75,791	2	63,819	2	51,847	2	39,875	2	27,928	2	15,958	2	4,007	2		2			2
1/4	75,542	1/4	63,570	1/4	51,598	1/4	39,626	1/4	27,679	1/4	15,708	1/4	3,763	1/4		1/4			1/4
1/2	75,292	1/2	63,320	1/2	51,348	1/2	39,376	1/2	27,430	1/2	15,459	1/2	3,518	1/2		1/2			1/2
3/4	75,043	3/4	63,071	3/4	51,099	3/4	39,127	3/4	27,181	3/4	15,209	3/4	3,274	3/4		3/4			3/4
3	74,793	3	62,821	3	50,849	3	38,878	3	26,932	3	14,960	3	3,030	3		3			3
1/4	74,544	1/4	62,572	1/4	50,600	1/4	38,628	1/4	26,682	1/4	14,711	1/4	2,802	1/4		1/4			1/4
1/2	74,294	1/2	62,323	1/2	50,351	1/2	38,379	1/2	26,433	1/2	14,461	1/2	2,574	1/2		1/2			1/2
3/4	74,045	3/4	62,073	3/4	50,101	3/4	38,129	3/4	26,183	3/4	14,212	3/4	2,346	3/4		3/4			3/4
4	73,796	4	61,824	4	49,852	4	37,880	4	25,934	4	13,962	4	2,118	4		4			4
1/4	73,546	1/4	61,574	1/4	49,602	1/4	37,630	1/4	25,685	1/4	13,713	1/4	1,931	1/4		1/4			1/4
1/2	73,297	1/2	61,325	1/2	49,353	1/2	37,381	1/2	25,435	1/2	13,464	1/2	1,744	1/2		1/2			1/2
3/4	73,047	3/4	61,075	3/4	49,104	3/4	37,132	3/4	25,186	3/4	13,214	3/4	1,557	3/4		3/4			3/4
5	72,798	5	60,826	5	48,854	5	36,882	5	24,936	5	12,965	5	1,369	5		5			5
1/4	72,549	1/4	60,577	1/4	48,605	1/4	36,634	1/4	24,687	1/4	12,715	1/4	1,224	1/4		1/4			1/4
1/2	72,299	1/2	60,327	1/2	48,355	1/2	36,385	1/2	24,438	1/2	12,466	1/2	1,079	1/2		1/2			1/2
3/4	72,050	3/4	60,078	3/4	48,106	3/4	36,136	3/4	24,188	3/4	12,217	3/4	933	3/4		3/4			3/4
6	71,800	6	59,828	6	47,856	6	35,887	6	23,939	6	11,967	6	788	6		6			6
1/4	71,551	1/4	59,579	1/4	47,607	1/4	35,639	1/4	23,689	1/4	11,718	1/4	684	1/4		1/4			1/4
1/2	71,301	1/2	59,330	1/2	47,358	1/2	35,390	1/2	23,440	1/2	11,468	1/2	580	1/2		1/2			1/2
3/4	71,052	3/4	59,080	3/4	47,108	3/4	35,141	3/4	23,190	3/4	11,219	3/4	476	3/4		3/4			3/4
7	70,803	7	58,831	7	46,859	7	34,893	7	22,941	7	10,970	7	372	7		7			7
1/4	70,553	1/4	58,581	1/4	46,609	1/4	34,644	1/4	22,692	1/4	10,720	1/4	310	1/4		1/4			1/4
1/2	70,304	1/2	58,332	1/2	46,360	1/2	34,395	1/2	22,442	1/2	10,471	1/2	247	1/2		1/2			1/2
3/4	70,054	3/4	58,083	3/4	46,111	3/4	34,147	3/4	22,193	3/4	10,221	3/4	185	3/4		3/4			3/4
8	69,805	8	57,833	8	45,861	8	33,898	8	21,943	8	9,972	8	123	8		8			8
1/4	69,556	1/4	57,584	1/4	45,612	1/4	33,649	1/4	21,694	1/4	9,723	1/4	102	1/4		1/4			1/4
1/2	69,306	1/2	57,334	1/2	45,362	1/2	33,401	1/2	21,445	1/2	9,473	1/2	81	1/2		1/2			1/2
3/4	69,057	3/4	57,085	3/4	45,113	3/4	33,152	3/4	21,195	3/4	9,224	3/4	60	3/4		3/4			3/4
9	68,807	9	56,835	9	44,864	9	32,903	9	20,946	9	8,974	9	39	9		9			9
1/4	68,558	1/4	56,586	1/4	44,614	1/4	32,654	1/4	20,696	1/4	8,725	1/4		1/4		1/4			1/4
1/2	68,309	1/2	56,337	1/2	44,365	1/2	32,406	1/2	20,447	1/2	8,476	1/2		1/2		1/2			1/2
3/4	68,059	3/4	56,087	3/4	44,115	3/4	32,157	3/4	20,198	3/4	8,226	3/4		3/4		3/4			3/4
10	67,810	10	55,838	10	43,866	10	31,908	10	19,948	10	7,977	10		10		10			10
1/4	67,560	1/4	55,588	1/4	43,616	1/4	31,660	1/4	19,699	1/4	7,728	1/4		1/4		1/4			1/4
1/2	67,311	1/2	55,339	1/2	43,367	1/2	31,411	1/2	19,449	1/2	7,478	1/2		1/2		1/2			1/2
3/4	67,061	3/4	55,090	3/4	43,118	3/4	31,162	3/4	19,200	3/4	7,229	3/4		3/4		3/4			3/4
11	66,812	11	54,840	11	42,868	11	30,914	11	18,951	11	6,980	11		11		11			11
1/4	66,563	1/4	54,591	1/4	42,619	1/4	30,665	1/4	18,701	1/4	6,731	1/4		1/4		1/4			1/4
1/2	66,313	1/2	54,341	1/2	42,369	1/2	30,416	1/2	18,452	1/2	6,483	1/2		1/2		1/2			1/2
3/4	66,064	3/4	54,092	3/4	42,120	3/4	30,167	3/4	18,202	3/4	6,234	3/4		3/4		3/4			3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2018 CL
CALCULATED: 03/19/2018 CL
PRINTED: 03/19/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2018

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