



BARGE "CBC 1405"

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	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	02-0/8	- 02-0/8	02-3/8	- 02-3/8
2 CENTER	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-1/4	01-1/4
3 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4

(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 - 00-3/4"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 1/4"

LENGTH BETWEEN DRAFT MARKS: 178'-06"

September 7, 2018

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

<http://www.pmacorp.net>



BARGE "CBC 1405"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	8,709	0	20,325	0	31,758	0	43,231	0	54,819	0	66,408	0	77,972	0	89,539	0	101,132
1/4	60	1/4	8,951	1/4	20,567	1/4	31,992	1/4	43,473	1/4	55,061	1/4	66,649	1/4	78,212	1/4	89,781	1/4	101,373
1/2	80	1/2	9,193	1/2	20,809	1/2	32,226	1/2	43,714	1/2	55,302	1/2	66,890	1/2	78,453	1/2	90,022	1/2	101,615
3/4	100	3/4	9,435	3/4	21,051	3/4	32,461	3/4	43,955	3/4	55,544	3/4	67,132	3/4	78,693	3/4	90,264	3/4	101,856
1	120	1	9,677	1	21,293	1	32,695	1	44,197	1	55,785	1	67,373	1	78,933	1	90,505	1	102,098
1/4	181	1/4	9,919	1/4	21,535	1/4	32,929	1/4	44,438	1/4	56,026	1/4	67,615	1/4	79,173	1/4	90,747	1/4	102,339
1/2	241	1/2	10,161	1/2	21,777	1/2	33,163	1/2	44,680	1/2	56,268	1/2	67,856	1/2	79,413	1/2	90,988	1/2	102,581
3/4	302	3/4	10,403	3/4	22,019	3/4	33,398	3/4	44,921	3/4	56,509	3/4	68,097	3/4	79,653	3/4	91,230	3/4	102,822
2	362	2	10,645	2	22,261	2	33,632	2	45,163	2	56,751	2	68,339	2	79,893	2	91,471	2	103,064
1/4	463	1/4	10,887	1/4	22,503	1/4	33,866	1/4	45,404	1/4	56,992	1/4	68,580	1/4	80,133	1/4	91,713	1/4	103,305
1/2	564	1/2	11,129	1/2	22,745	1/2	34,100	1/2	45,645	1/2	57,234	1/2	68,822	1/2	80,373	1/2	91,954	1/2	103,547
3/4	665	3/4	11,371	3/4	22,987	3/4	34,335	3/4	45,887	3/4	57,475	3/4	69,063	3/4	80,613	3/4	92,196	3/4	103,788
3	765	3	11,613	3	23,229	3	34,569	3	46,128	3	57,716	3	69,305	3	80,853	3	92,437	3	104,030
1/4	906	1/4	11,855	1/4	23,471	1/4	34,803	1/4	46,370	1/4	57,958	1/4	69,546	1/4	81,093	1/4	92,679	1/4	104,272
1/2	1,048	1/2	12,097	1/2	23,713	1/2	35,037	1/2	46,611	1/2	58,199	1/2	69,787	1/2	81,333	1/2	92,920	1/2	104,513
3/4	1,189	3/4	12,339	3/4	23,955	3/4	35,272	3/4	46,853	3/4	58,441	3/4	70,029	3/4	81,573	3/4	93,162	3/4	104,755
4	1,330	4	12,581	4	24,197	4	35,506	4	47,094	4	58,682	4	70,270	4	81,814	4	93,403	4	104,996
1/4	1,511	1/4	12,823	1/4	24,439	1/4	35,747	1/4	47,335	1/4	58,924	1/4	70,512	1/4	82,054	1/4	93,645	1/4	105,238
1/2	1,693	1/2	13,065	1/2	24,681	1/2	35,989	1/2	47,577	1/2	59,165	1/2	70,753	1/2	82,295	1/2	93,886	1/2	105,479
3/4	1,874	3/4	13,307	3/4	24,923	3/4	36,230	3/4	47,818	3/4	59,406	3/4	70,995	3/4	82,536	3/4	94,128	3/4	105,721
5	2,056	5	13,549	5	25,165	5	36,471	5	48,060	5	59,648	5	71,236	5	82,777	5	94,369	5	105,962
1/4	2,277	1/4	13,791	1/4	25,407	1/4	36,713	1/4	48,301	1/4	59,889	1/4	71,477	1/4	83,018	1/4	94,611	1/4	106,204
1/2	2,498	1/2	14,033	1/2	25,649	1/2	36,954	1/2	48,542	1/2	60,131	1/2	71,719	1/2	83,260	1/2	94,853	1/2	106,445
3/4	2,719	3/4	14,275	3/4	25,891	3/4	37,196	3/4	48,784	3/4	60,372	3/4	71,960	3/4	83,501	3/4	95,094	3/4	106,687
6	2,940	6	14,517	6	26,133	6	37,437	6	49,025	6	60,613	6	72,202	6	83,743	6	95,336	6	106,928
1/4	3,178	1/4	14,759	1/4	26,368	1/4	37,679	1/4	49,267	1/4	60,855	1/4	72,442	1/4	83,984	1/4	95,577	1/4	107,170
1/2	3,415	1/2	15,001	1/2	26,602	1/2	37,920	1/2	49,508	1/2	61,096	1/2	72,683	1/2	84,226	1/2	95,819	1/2	107,411
3/4	3,652	3/4	15,243	3/4	26,837	3/4	38,161	3/4	49,750	3/4	61,338	3/4	72,924	3/4	84,467	3/4	96,060	3/4	107,653
7	3,889	7	15,485	7	27,071	7	38,403	7	49,991	7	61,579	7	73,165	7	84,709	7	96,302	7	107,894
1/4	4,128	1/4	15,727	1/4	27,306	1/4	38,644	1/4	50,232	1/4	61,821	1/4	73,406	1/4	84,950	1/4	96,543	1/4	108,136
1/2	4,368	1/2	15,969	1/2	27,541	1/2	38,886	1/2	50,474	1/2	62,062	1/2	73,647	1/2	85,192	1/2	96,785	1/2	108,377
3/4	4,607	3/4	16,211	3/4	27,775	3/4	39,127	3/4	50,715	3/4	62,303	3/4	73,887	3/4	85,433	3/4	97,026	3/4	108,619
8	4,846	8	16,453	8	28,010	8	39,369	8	50,957	8	62,545	8	74,128	8	85,675	8	97,268	8	108,860
1/4	5,087	1/4	16,695	1/4	28,244	1/4	39,610	1/4	51,198	1/4	62,786	1/4	74,369	1/4	85,916	1/4	97,509	1/4	109,102
1/2	5,327	1/2	16,937	1/2	28,478	1/2	39,851	1/2	51,440	1/2	63,028	1/2	74,610	1/2	86,158	1/2	97,751	1/2	109,343
3/4	5,568	3/4	17,179	3/4	28,713	3/4	40,093	3/4	51,681	3/4	63,269	3/4	74,851	3/4	86,399	3/4	97,992	3/4	109,585
9	5,808	9	17,421	9	28,947	9	40,334	9	51,922	9	63,510	9	75,092	9	86,641	9	98,234	9	109,826
1/4	6,050	1/4	17,663	1/4	29,181	1/4	40,576	1/4	52,164	1/4	63,752	1/4	75,332	1/4	86,882	1/4	98,475	1/4	110,068
1/2	6,291	1/2	17,905	1/2	29,415	1/2	40,817	1/2	52,405	1/2	63,993	1/2	75,572	1/2	87,124	1/2	98,717	1/2	110,309
3/4	6,532	3/4	18,147	3/4	29,650	3/4	41,058	3/4	52,647	3/4	64,235	3/4	75,812	3/4	87,366	3/4	98,958	3/4	110,551
10	6,774	10	18,389	10	29,884	10	41,300	10	52,888	10	64,476	10	76,052	10	87,607	10	99,200	10	110,792
1/4	7,015	1/4	18,631	1/4	30,118	1/4	41,541	1/4	53,129	1/4	64,718	1/4	76,292	1/4	87,849	1/4	99,441	1/4	111,034
1/2	7,257	1/2	18,873	1/2	30,352	1/2	41,783	1/2	53,371	1/2	64,959	1/2	76,532	1/2	88,090	1/2	99,683	1/2	111,275
3/4	7,499	3/4	19,115	3/4	30,587	3/4	42,024	3/4	53,612	3/4	65,200	3/4	76,772	3/4	88,332	3/4	99,924	3/4	111,517
11	7,741	11	19,357	11	30,821	11	42,266	11	53,854	11	65,442	11	77,012	11	88,573	11	100,166	11	111,758
1/4	7,983	1/4	19,599	1/4	31,055	1/4	42,507	1/4	54,095	1/4	65,683	1/4	77,252	1/4	88,815	1/4	100,407	1/4	112,000
1/2	8,225	1/2	19,841	1/2	31,289	1/2	42,748	1/2	54,337	1/2	65,925	1/2	77,492	1/2	89,056	1/2	100,649	1/2	112,241
3/4	8,467	3/4	20,083	3/4	31,524	3/4	42,990	3/4	54,578	3/4	66,166	3/4	77,732	3/4	89,298	3/4	100,890	3/4	112,483

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 23'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "CBC 1405"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	112,724	0	122,265	0	130,390	0	138,514	0	146,639	0		0		0		0		0	
1/4	112,965	1/4	122,434	1/4	130,559	1/4	138,684	1/4	146,808	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	113,206	1/2	122,604	1/2	130,728	1/2	138,853	1/2	146,977	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	113,447	3/4	122,773	3/4	130,897	3/4	139,022	3/4	147,147	3/4		3/4		3/4	3/4		3/4	3/4	
1	113,688	1	122,942	1	131,067	1	139,191	1	147,316	1		1		1	1		1	1	
1/4	113,929	1/4	123,111	1/4	131,236	1/4	139,361	1/4	147,485	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	114,170	1/2	123,281	1/2	131,405	1/2	139,530	1/2	147,655	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	114,411	3/4	123,450	3/4	131,575	3/4	139,699	3/4	147,824	3/4		3/4		3/4	3/4		3/4	3/4	
2	114,652	2	123,619	2	131,744	2	139,868	2	147,993	2		2		2	2		2	2	
1/4	114,893	1/4	123,788	1/4	131,913	1/4	140,038	1/4	148,162	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	115,134	1/2	123,958	1/2	132,082	1/2	140,207	1/2	148,332	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	115,375	3/4	124,127	3/4	132,252	3/4	140,376	3/4	148,501	3/4		3/4		3/4	3/4		3/4	3/4	
3	115,616	3	124,296	3	132,421	3	140,545	3	148,670	3		3		3	3		3	3	
1/4	115,857	1/4	124,465	1/4	132,590	1/4	140,715	1/4	148,892	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	116,098	1/2	124,635	1/2	132,759	1/2	140,884	1/2	149,114	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	116,339	3/4	124,804	3/4	132,929	3/4	141,053	3/4	149,336	3/4		3/4		3/4	3/4		3/4	3/4	
4	116,580	4	124,973	4	133,098	4	141,223	4	149,557	4		4		4	4		4	4	
1/4	116,821	1/4	125,143	1/4	133,267	1/4	141,392	1/4	149,739	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	117,062	1/2	125,312	1/2	133,436	1/2	141,561	1/2	149,920	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	117,303	3/4	125,481	3/4	133,606	3/4	141,730	3/4	150,102	3/4		3/4		3/4	3/4		3/4	3/4	
5	117,544	5	125,650	5	133,775	5	141,900	5	150,284	5		5		5	5		5	5	
1/4	117,712	1/4	125,820	1/4	133,944	1/4	142,069	1/4	150,425	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	117,880	1/2	125,989	1/2	134,113	1/2	142,238	1/2	150,566	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	118,048	3/4	126,158	3/4	134,283	3/4	142,407	3/4	150,707	3/4		3/4		3/4	3/4		3/4	3/4	
6	118,216	6	126,327	6	134,452	6	142,577	6	150,848	6		6		6	6		6	6	
1/4	118,385	1/4	126,497	1/4	134,621	1/4	142,746	1/4	150,949	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	118,554	1/2	126,666	1/2	134,791	1/2	142,915	1/2	151,050	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	118,722	3/4	126,835	3/4	134,960	3/4	143,084	3/4	151,151	3/4		3/4		3/4	3/4		3/4	3/4	
7	118,891	7	127,004	7	135,129	7	143,254	7	151,252	7		7		7	7		7	7	
1/4	119,060	1/4	127,174	1/4	135,298	1/4	143,423	1/4	151,312	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	119,229	1/2	127,343	1/2	135,468	1/2	143,592	1/2	151,373	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	119,397	3/4	127,512	3/4	135,637	3/4	143,761	3/4	151,433	3/4		3/4		3/4	3/4		3/4	3/4	
8	119,566	8	127,681	8	135,806	8	143,931	8	151,494	8		8		8	8		8	8	
1/4	119,735	1/4	127,851	1/4	135,975	1/4	144,100	1/4	151,514	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	119,903	1/2	128,020	1/2	136,145	1/2	144,269	1/2	151,534	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	120,072	3/4	128,189	3/4	136,314	3/4	144,439	3/4		3/4		3/4		3/4	3/4		3/4	3/4	
9	120,241	9	128,359	9	136,483	9	144,608	9		9		9		9	9		9	9	
1/4	120,409	1/4	128,528	1/4	136,652	1/4	144,777	1/4		1/4		1/4		1/4	1/4		1/4	1/4	
1/2	120,578	1/2	128,697	1/2	136,822	1/2	144,946	1/2		1/2		1/2		1/2	1/2		1/2	1/2	
3/4	120,747	3/4	128,866	3/4	136,991	3/4	145,116	3/4		3/4		3/4		3/4	3/4		3/4	3/4	
10	120,916	10	129,036	10	137,160	10	145,285	10		10		10		10	10		10	10	
1/4	121,084	1/4	129,205	1/4	137,329	1/4	145,454	1/4		1/4		1/4		1/4	1/4		1/4	1/4	
1/2	121,253	1/2	129,374	1/2	137,499	1/2	145,623	1/2		1/2		1/2		1/2	1/2		1/2	1/2	
3/4	121,422	3/4	129,543	3/4	137,668	3/4	145,793	3/4		3/4		3/4		3/4	3/4		3/4	3/4	
11	121,590	11	129,713	11	137,837	11	145,962	11		11		11		11	11		11	11	
1/4	121,759	1/4	129,882	1/4	138,007	1/4	146,131	1/4		1/4		1/4		1/4	1/4		1/4	1/4	
1/2	121,928	1/2	130,051	1/2	138,176	1/2	146,300	1/2		1/2		1/2		1/2	1/2		1/2	1/2	
3/4	122,096	3/4	130,220	3/4	138,345	3/4	146,470	3/4		3/4		3/4		3/4	3/4		3/4	3/4	

STRAPPED: 09/07/2018 SW
CALCULATED: 09/07/2018 CL
PRINTED: 09/07/2018 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2018

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1405"

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	10,061	0	23,487	0	36,752	0	50,016	0	63,443	0	76,871	0	90,298	0	103,725	0	117,152
1/4	63	1/4	10,340	1/4	23,767	1/4	37,023	1/4	50,296	1/4	63,723	1/4	77,150	1/4	90,578	1/4	104,005	1/4	117,432
1/2	86	1/2	10,620	1/2	24,047	1/2	37,295	1/2	50,575	1/2	64,003	1/2	77,430	1/2	90,857	1/2	104,285	1/2	117,712
3/4	109	3/4	10,900	3/4	24,327	3/4	37,566	3/4	50,855	3/4	64,283	3/4	77,710	3/4	91,137	3/4	104,564	3/4	117,992
1	133	1	11,179	1	24,606	1	37,838	1	51,135	1	64,562	1	77,990	1	91,417	1	104,844	1	118,271
1/4	202	1/4	11,459	1/4	24,886	1/4	38,109	1/4	51,415	1/4	64,842	1/4	78,269	1/4	91,697	1/4	105,124	1/4	118,551
1/2	272	1/2	11,739	1/2	25,166	1/2	38,381	1/2	51,694	1/2	65,122	1/2	78,549	1/2	91,976	1/2	105,404	1/2	118,831
3/4	342	3/4	12,019	3/4	25,445	3/4	38,652	3/4	51,974	3/4	65,401	3/4	78,829	3/4	92,256	3/4	105,683	3/4	119,111
2	412	2	12,298	2	25,725	2	38,924	2	52,254	2	65,681	2	79,108	2	92,536	2	105,963	2	119,390
1/4	529	1/4	12,578	1/4	26,005	1/4	39,195	1/4	52,534	1/4	65,961	1/4	79,388	1/4	92,816	1/4	106,243	1/4	119,670
1/2	645	1/2	12,858	1/2	26,285	1/2	39,467	1/2	52,813	1/2	66,241	1/2	79,668	1/2	93,095	1/2	106,523	1/2	119,950
3/4	762	3/4	13,138	3/4	26,564	3/4	39,738	3/4	53,093	3/4	66,520	3/4	79,948	3/4	93,375	3/4	106,802	3/4	120,230
3	878	3	13,417	3	26,844	3	40,010	3	53,373	3	66,800	3	80,227	3	93,655	3	107,082	3	120,509
1/4	1,042	1/4	13,697	1/4	27,124	1/4	40,281	1/4	53,653	1/4	67,080	1/4	80,507	1/4	93,934	1/4	107,362	1/4	120,789
1/2	1,205	1/2	13,977	1/2	27,404	1/2	40,553	1/2	53,932	1/2	67,360	1/2	80,787	1/2	94,214	1/2	107,641	1/2	121,069
3/4	1,368	3/4	14,256	3/4	27,683	3/4	40,824	3/4	54,212	3/4	67,639	3/4	81,067	3/4	94,494	3/4	107,921	3/4	121,349
4	1,531	4	14,536	4	27,963	4	41,096	4	54,492	4	67,919	4	81,346	4	94,774	4	108,201	4	121,628
1/4	1,741	1/4	14,816	1/4	28,243	1/4	41,368	1/4	54,772	1/4	68,199	1/4	81,626	1/4	95,053	1/4	108,481	1/4	121,908
1/2	1,951	1/2	15,096	1/2	28,522	1/2	41,640	1/2	55,051	1/2	68,479	1/2	81,906	1/2	95,333	1/2	108,760	1/2	122,188
3/4	2,161	3/4	15,375	3/4	28,802	3/4	41,912	3/4	55,331	3/4	68,758	3/4	82,186	3/4	95,613	3/4	109,040	3/4	122,467
5	2,370	5	15,655	5	29,082	5	42,183	5	55,611	5	69,038	5	82,465	5	95,893	5	109,320	5	122,747
1/4	2,626	1/4	15,935	1/4	29,362	1/4	42,463	1/4	55,890	1/4	69,318	1/4	82,745	1/4	96,172	1/4	109,600	1/4	123,027
1/2	2,882	1/2	16,215	1/2	29,641	1/2	42,743	1/2	56,170	1/2	69,597	1/2	83,025	1/2	96,452	1/2	109,879	1/2	123,307
3/4	3,137	3/4	16,494	3/4	29,921	3/4	43,023	3/4	56,450	3/4	69,877	3/4	83,305	3/4	96,732	3/4	110,159	3/4	123,586
6	3,393	6	16,774	6	30,201	6	43,302	6	56,730	6	70,157	6	83,584	6	97,012	6	110,439	6	123,866
1/4	3,667	1/4	17,054	1/4	30,481	1/4	43,582	1/4	57,009	1/4	70,437	1/4	83,864	1/4	97,291	1/4	110,719	1/4	124,146
1/2	3,941	1/2	17,333	1/2	30,760	1/2	43,862	1/2	57,289	1/2	70,716	1/2	84,144	1/2	97,571	1/2	110,998	1/2	124,426
3/4	4,215	3/4	17,613	3/4	31,040	3/4	44,142	3/4	57,569	3/4	70,996	3/4	84,423	3/4	97,851	3/4	111,278	3/4	124,705
7	4,490	7	17,893	7	31,320	7	44,421	7	57,849	7	71,276	7	84,703	7	98,130	7	111,558	7	124,985
1/4	4,766	1/4	18,173	1/4	31,592	1/4	44,701	1/4	58,128	1/4	71,556	1/4	84,983	1/4	98,410	1/4	111,838	1/4	125,265
1/2	5,043	1/2	18,452	1/2	31,863	1/2	44,981	1/2	58,408	1/2	71,835	1/2	85,263	1/2	98,690	1/2	112,117	1/2	125,545
3/4	5,319	3/4	18,732	3/4	32,135	3/4	45,261	3/4	58,688	3/4	72,115	3/4	85,542	3/4	98,970	3/4	112,397	3/4	125,824
8	5,596	8	19,012	8	32,407	8	45,540	8	58,968	8	72,395	8	85,822	8	99,249	8	112,677	8	126,104
1/4	5,874	1/4	19,292	1/4	32,679	1/4	45,820	1/4	59,247	1/4	72,675	1/4	86,102	1/4	99,529	1/4	112,956	1/4	126,384
1/2	6,152	1/2	19,571	1/2	32,950	1/2	46,100	1/2	59,527	1/2	72,954	1/2	86,382	1/2	99,809	1/2	113,236	1/2	126,663
3/4	6,430	3/4	19,851	3/4	33,222	3/4	46,379	3/4	59,807	3/4	73,234	3/4	86,661	3/4	100,089	3/4	113,516	3/4	126,943
9	6,708	9	20,131	9	33,493	9	46,659	9	60,086	9	73,514	9	86,941	9	100,368	9	113,796	9	127,223
1/4	6,987	1/4	20,410	1/4	33,765	1/4	46,939	1/4	60,366	1/4	73,794	1/4	87,221	1/4	100,648	1/4	114,075	1/4	127,503
1/2	7,266	1/2	20,690	1/2	34,036	1/2	47,219	1/2	60,646	1/2	74,073	1/2	87,501	1/2	100,928	1/2	114,355	1/2	127,782
3/4	7,545	3/4	20,970	3/4	34,308	3/4	47,498	3/4	60,926	3/4	74,353	3/4	87,780	3/4	101,208	3/4	114,635	3/4	128,062
10	7,824	10	21,250	10	34,579	10	47,778	10	61,205	10	74,633	10	88,060	10	101,487	10	114,915	10	128,342
1/4	8,103	1/4	21,529	1/4	34,851	1/4	48,058	1/4	61,485	1/4	74,912	1/4	88,340	1/4	101,767	1/4	115,194	1/4	128,622
1/2	8,383	1/2	21,809	1/2	35,122	1/2	48,338	1/2	61,765	1/2	75,192	1/2	88,619	1/2	102,047	1/2	115,474	1/2	128,901
3/4	8,662	3/4	22,089	3/4	35,394	3/4	48,617	3/4	62,045	3/4	75,472	3/4	88,899	3/4	102,327	3/4	115,754	3/4	129,181
11	8,942	11	22,369	11	35,665	11	48,897	11	62,324	11	75,752	11	89,179	11	102,606	11	116,034	11	129,461
1/4	9,221	1/4	22,648	1/4	35,937	1/4	49,177	1/4	62,604	1/4	76,031	1/4	89,459	1/4	102,886	1/4	116,313	1/4	129,741
1/2	9,501	1/2	22,928	1/2	36,209	1/2	49,457	1/2	62,884	1/2	76,311	1/2	89,738	1/2	103,166	1/2	116,593	1/2	130,020
3/4	9,781	3/4	23,208	3/4	36,480	3/4	49,736	3/4	63,164	3/4	76,591	3/4	90,018	3/4	103,445	3/4	116,873	3/4	130,300

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 36'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 1405"

2 CENTER INNAGE 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	130,580	0	144,007	0	157,434	0	170,862	0	184,289	0		0		0		0		0	
1/4	130,860	1/4	144,287	1/4	157,714	1/4	171,141	1/4	184,569	1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	131,139	1/2	144,567	1/2	157,994	1/2	171,421	1/2	184,848	1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	131,419	3/4	144,846	3/4	158,274	3/4	171,701	3/4	185,128	3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
1	131,699	1	145,126	1	158,553	1	171,981	1	185,408	1		1		1		1		1	
1/4	131,978	1/4	145,406	1/4	158,833	1/4	172,260	1/4	185,688	1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	132,258	1/2	145,685	1/2	159,113	1/2	172,540	1/2	185,967	1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	132,538	3/4	145,965	3/4	159,393	3/4	172,820	3/4	186,247	3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
2	132,818	2	146,245	2	159,672	2	173,100	2	186,527	2		2		2		2		2	
1/4	133,097	1/4	146,525	1/4	159,952	1/4	173,379	1/4	186,807	1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	133,377	1/2	146,804	1/2	160,232	1/2	173,659	1/2	187,086	1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	133,657	3/4	147,084	3/4	160,511	3/4	173,939	3/4	187,366	3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
3	133,937	3	147,364	3	160,791	3	174,218	3	187,646	3		3		3		3		3	
1/4	134,216	1/4	147,644	1/4	161,071	1/4	174,498	1/4	187,902	1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	134,496	1/2	147,923	1/2	161,351	1/2	174,778	1/2	188,159	1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	134,776	3/4	148,203	3/4	161,630	3/4	175,058	3/4	188,415	3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
4	135,056	4	148,483	4	161,910	4	175,337	4	188,671	4		4		4		4		4	
1/4	135,335	1/4	148,763	1/4	162,190	1/4	175,617	1/4	188,881	1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	135,615	1/2	149,042	1/2	162,470	1/2	175,897	1/2	189,091	1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	135,895	3/4	149,322	3/4	162,749	3/4	176,177	3/4	189,301	3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
5	136,174	5	149,602	5	163,029	5	176,456	5	189,511	5		5		5		5		5	
1/4	136,454	1/4	149,882	1/4	163,309	1/4	176,736	1/4	189,674	1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	136,734	1/2	150,161	1/2	163,589	1/2	177,016	1/2	189,837	1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	137,014	3/4	150,441	3/4	163,868	3/4	177,296	3/4	190,000	3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
6	137,293	6	150,721	6	164,148	6	177,575	6	190,163	6		6		6		6		6	
1/4	137,573	1/4	151,000	1/4	164,428	1/4	177,855	1/4	190,280	1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	137,853	1/2	151,280	1/2	164,707	1/2	178,135	1/2	190,396	1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	138,133	3/4	151,560	3/4	164,987	3/4	178,415	3/4	190,513	3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
7	138,412	7	151,840	7	165,267	7	178,694	7	190,630	7		7		7		7		7	
1/4	138,692	1/4	152,119	1/4	165,547	1/4	178,974	1/4	190,700	1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	138,972	1/2	152,399	1/2	165,826	1/2	179,254	1/2	190,769	1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	139,252	3/4	152,679	3/4	166,106	3/4	179,533	3/4	190,839	3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
8	139,531	8	152,959	8	166,386	8	179,813	8	190,909	8		8		8		8		8	
1/4	139,811	1/4	153,238	1/4	166,666	1/4	180,093	1/4	190,933	1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	140,091	1/2	153,518	1/2	166,945	1/2	180,373	1/2	190,956	1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	140,371	3/4	153,798	3/4	167,225	3/4	180,652	3/4		3/4		3/4	3/4	3/4		3/4	3/4	3/4	3/4
9	140,650	9	154,078	9	167,505	9	180,932	9		9		9		9		9		9	
1/4	140,930	1/4	154,357	1/4	167,785	1/4	181,212	1/4		1/4		1/4	1/4	1/4		1/4	1/4	1/4	1/4
1/2	141,210	1/2	154,637	1/2	168,064	1/2	181,492	1/2		1/2		1/2	1/2	1/2		1/2	1/2	1/2	1/2
3/4	141,489	3/4	154,917	3/4	168,344	3/4	181,771	3/4		3/4		3/4	3/4	3/4		3/4	3/4	3/4	3/4
10	141,769	10	155,196	10	168,624	10	182,051	10		10		10		10		10		10	
1/4	142,049	1/4	155,476	1/4	168,904	1/4	182,331	1/4		1/4		1/4	1/4	1/4		1/4	1/4	1/4	1/4
1/2	142,329	1/2	155,756	1/2	169,183	1/2	182,611	1/2		1/2		1/2	1/2	1/2		1/2	1/2	1/2	1/2
3/4	142,608	3/4	156,036	3/4	169,463	3/4	182,890	3/4		3/4		3/4	3/4	3/4		3/4	3/4	3/4	3/4
11	142,888	11	156,315	11	169,743	11	183,170	11		11		11		11		11		11	
1/4	143,168	1/4	156,595	1/4	170,022	1/4	183,450	1/4		1/4		1/4	1/4	1/4		1/4	1/4	1/4	1/4
1/2	143,448	1/2	156,875	1/2	170,302	1/2	183,729	1/2		1/2		1/2	1/2	1/2		1/2	1/2	1/2	1/2
3/4	143,727	3/4	157,155	3/4	170,582	3/4	184,009	3/4		3/4		3/4	3/4	3/4		3/4	3/4	3/4	3/4

STRAPPED: 09/07/2018 SW
CALCULATED: 09/07/2018 CL
PRINTED: 09/07/2018 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2018

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "CBC 1405"

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	8,991	0	20,986	0	32,966	0	44,949	0	56,943	0	68,938	0	80,933	0	92,927	0	104,922
1/4	60	1/4	9,241	1/4	21,235	1/4	33,215	1/4	45,199	1/4	57,193	1/4	69,188	1/4	81,183	1/4	93,177	1/4	105,172
1/2	81	1/2	9,491	1/2	21,485	1/2	33,464	1/2	45,448	1/2	57,443	1/2	69,438	1/2	81,432	1/2	93,427	1/2	105,422
3/4	102	3/4	9,741	3/4	21,735	3/4	33,713	3/4	45,698	3/4	57,693	3/4	69,688	3/4	81,682	3/4	93,677	3/4	105,672
1	123	1	9,991	1	21,985	1	33,962	1	45,948	1	57,943	1	69,938	1	81,932	1	93,927	1	105,922
1/4	185	1/4	10,241	1/4	22,235	1/4	34,211	1/4	46,198	1/4	58,193	1/4	70,187	1/4	82,182	1/4	94,177	1/4	106,171
1/2	248	1/2	10,491	1/2	22,485	1/2	34,461	1/2	46,448	1/2	58,443	1/2	70,437	1/2	82,432	1/2	94,427	1/2	106,421
3/4	310	3/4	10,741	3/4	22,735	3/4	34,710	3/4	46,698	3/4	58,693	3/4	70,687	3/4	82,682	3/4	94,677	3/4	106,671
2	373	2	10,990	2	22,985	2	34,959	2	46,948	2	58,942	2	70,937	2	82,932	2	94,926	2	106,921
1/4	477	1/4	11,240	1/4	23,235	1/4	35,208	1/4	47,198	1/4	59,192	1/4	71,187	1/4	83,182	1/4	95,176	1/4	107,171
1/2	581	1/2	11,490	1/2	23,484	1/2	35,457	1/2	47,448	1/2	59,442	1/2	71,437	1/2	83,432	1/2	95,426	1/2	107,421
3/4	685	3/4	11,740	3/4	23,734	3/4	35,706	3/4	47,697	3/4	59,692	3/4	71,687	3/4	83,681	3/4	95,676	3/4	107,671
3	789	3	11,990	3	23,984	3	35,956	3	47,947	3	59,942	3	71,937	3	83,931	3	95,926	3	107,921
1/4	935	1/4	12,240	1/4	24,234	1/4	36,205	1/4	48,197	1/4	60,192	1/4	72,187	1/4	84,181	1/4	96,176	1/4	108,171
1/2	1,081	1/2	12,490	1/2	24,484	1/2	36,454	1/2	48,447	1/2	60,442	1/2	72,436	1/2	84,431	1/2	96,426	1/2	108,420
3/4	1,226	3/4	12,740	3/4	24,734	3/4	36,703	3/4	48,697	3/4	60,692	3/4	72,686	3/4	84,681	3/4	96,676	3/4	108,670
4	1,372	4	12,989	4	24,984	4	36,952	4	48,947	4	60,942	4	72,936	4	84,931	4	96,926	4	108,920
1/4	1,559	1/4	13,239	1/4	25,234	1/4	37,202	1/4	49,197	1/4	61,191	1/4	73,186	1/4	85,181	1/4	97,175	1/4	109,170
1/2	1,747	1/2	13,489	1/2	25,483	1/2	37,452	1/2	49,447	1/2	61,441	1/2	73,436	1/2	85,431	1/2	97,425	1/2	109,420
3/4	1,934	3/4	13,739	3/4	25,733	3/4	37,702	3/4	49,697	3/4	61,691	3/4	73,686	3/4	85,681	3/4	97,675	3/4	109,670
5	2,122	5	13,989	5	25,983	5	37,952	5	49,946	5	61,941	5	73,936	5	85,930	5	97,925	5	109,920
1/4	2,350	1/4	14,239	1/4	26,233	1/4	38,202	1/4	50,196	1/4	62,191	1/4	74,186	1/4	86,180	1/4	98,175	1/4	110,170
1/2	2,578	1/2	14,489	1/2	26,483	1/2	38,452	1/2	50,446	1/2	62,441	1/2	74,436	1/2	86,430	1/2	98,425	1/2	110,420
3/4	2,807	3/4	14,739	3/4	26,733	3/4	38,702	3/4	50,696	3/4	62,691	3/4	74,685	3/4	86,680	3/4	98,675	3/4	110,669
6	3,035	6	14,989	6	26,983	6	38,951	6	50,946	6	62,941	6	74,935	6	86,930	6	98,925	6	110,919
1/4	3,280	1/4	15,238	1/4	27,232	1/4	39,201	1/4	51,196	1/4	63,191	1/4	75,185	1/4	87,180	1/4	99,175	1/4	111,169
1/2	3,525	1/2	15,488	1/2	27,482	1/2	39,451	1/2	51,446	1/2	63,440	1/2	75,435	1/2	87,430	1/2	99,424	1/2	111,419
3/4	3,770	3/4	15,738	3/4	27,731	3/4	39,701	3/4	51,696	3/4	63,690	3/4	75,685	3/4	87,680	3/4	99,674	3/4	111,669
7	4,015	7	15,988	7	27,981	7	39,951	7	51,946	7	63,940	7	75,935	7	87,930	7	99,924	7	111,919
1/4	4,262	1/4	16,238	1/4	28,230	1/4	40,201	1/4	52,195	1/4	64,190	1/4	76,185	1/4	88,179	1/4	100,174	1/4	112,169
1/2	4,509	1/2	16,488	1/2	28,480	1/2	40,451	1/2	52,445	1/2	64,440	1/2	76,435	1/2	88,429	1/2	100,424	1/2	112,419
3/4	4,756	3/4	16,738	3/4	28,729	3/4	40,701	3/4	52,695	3/4	64,690	3/4	76,685	3/4	88,679	3/4	100,674	3/4	112,669
8	5,003	8	16,988	8	28,979	8	40,951	8	52,945	8	64,940	8	76,934	8	88,929	8	100,924	8	112,918
1/4	5,252	1/4	17,237	1/4	29,228	1/4	41,200	1/4	53,195	1/4	65,190	1/4	77,184	1/4	89,179	1/4	101,174	1/4	113,168
1/2	5,500	1/2	17,487	1/2	29,477	1/2	41,450	1/2	53,445	1/2	65,440	1/2	77,434	1/2	89,429	1/2	101,424	1/2	113,418
3/4	5,748	3/4	17,737	3/4	29,726	3/4	41,700	3/4	53,695	3/4	65,689	3/4	77,684	3/4	89,679	3/4	101,673	3/4	113,668
9	5,997	9	17,987	9	29,976	9	41,950	9	53,945	9	65,939	9	77,934	9	89,929	9	101,923	9	113,918
1/4	6,246	1/4	18,237	1/4	30,225	1/4	42,200	1/4	54,195	1/4	66,189	1/4	78,184	1/4	90,179	1/4	102,173	1/4	114,168
1/2	6,495	1/2	18,487	1/2	30,474	1/2	42,450	1/2	54,444	1/2	66,439	1/2	78,434	1/2	90,428	1/2	102,423	1/2	114,418
3/4	6,744	3/4	18,737	3/4	30,723	3/4	42,700	3/4	54,694	3/4	66,689	3/4	78,684	3/4	90,678	3/4	102,673	3/4	114,668
10	6,993	10	18,987	10	30,972	10	42,950	10	54,944	10	66,939	10	78,934	10	90,928	10	102,923	10	114,918
1/4	7,243	1/4	19,236	1/4	31,221	1/4	43,200	1/4	55,194	1/4	67,189	1/4	79,183	1/4	91,178	1/4	103,173	1/4	115,167
1/2	7,493	1/2	19,486	1/2	31,471	1/2	43,449	1/2	55,444	1/2	67,439	1/2	79,433	1/2	91,428	1/2	103,423	1/2	115,417
3/4	7,742	3/4	19,736	3/4	31,720	3/4	43,699	3/4	55,694	3/4	67,689	3/4	79,683	3/4	91,678	3/4	103,673	3/4	115,667
11	7,992	11	19,986	11	31,969	11	43,949	11	55,944	11	67,938	11	79,933	11	91,928	11	103,922	11	115,917
1/4	8,242	1/4	20,236	1/4	32,218	1/4	44,199	1/4	56,194	1/4	68,188	1/4	80,183	1/4	92,178	1/4	104,172	1/4	116,167
1/2	8,492	1/2	20,486	1/2	32,467	1/2	44,449	1/2	56,444	1/2	68,438	1/2	80,433	1/2	92,428	1/2	104,422	1/2	116,417
3/4	8,742	3/4	20,736	3/4	32,716	3/4	44,699	3/4	56,693	3/4	68,688	3/4	80,683	3/4	92,677	3/4	104,672	3/4	116,667

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 29'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "CBC 1405"

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	116,917	0	128,911	0	140,906	0	152,901	0	164,895	0		0		0		0		0	
1/4	117,167	1/4	129,161	1/4	141,156	1/4	153,150	1/4	165,145	1/4		1/4		1/4		1/4		1/4	
1/2	117,416	1/2	129,411	1/2	141,406	1/2	153,400	1/2	165,395	1/2		1/2		1/2		1/2		1/2	
3/4	117,666	3/4	129,661	3/4	141,656	3/4	153,650	3/4	165,645	3/4		3/4		3/4		3/4		3/4	
1	117,916	1	129,911	1	141,905	1	153,900	1	165,895	1		1		1		1		1	
1/4	118,166	1/4	130,161	1/4	142,155	1/4	154,150	1/4	166,145	1/4		1/4		1/4		1/4		1/4	
1/2	118,416	1/2	130,411	1/2	142,405	1/2	154,400	1/2	166,395	1/2		1/2		1/2		1/2		1/2	
3/4	118,666	3/4	130,661	3/4	142,655	3/4	154,650	3/4	166,644	3/4		3/4		3/4		3/4		3/4	
2	118,916	2	130,910	2	142,905	2	154,900	2	166,894	2		2		2		2		2	
1/4	119,166	1/4	131,160	1/4	143,155	1/4	155,150	1/4	167,144	1/4		1/4		1/4		1/4		1/4	
1/2	119,416	1/2	131,410	1/2	143,405	1/2	155,399	1/2	167,394	1/2		1/2		1/2		1/2		1/2	
3/4	119,665	3/4	131,660	3/4	143,655	3/4	155,649	3/4	167,644	3/4		3/4		3/4		3/4		3/4	
3	119,915	3	131,910	3	143,905	3	155,899	3	167,894	3		3		3		3		3	
1/4	120,165	1/4	132,160	1/4	144,154	1/4	156,149	1/4	168,123	1/4		1/4		1/4		1/4		1/4	
1/2	120,415	1/2	132,410	1/2	144,404	1/2	156,399	1/2	168,352	1/2		1/2		1/2		1/2		1/2	
3/4	120,665	3/4	132,660	3/4	144,654	3/4	156,649	3/4	168,581	3/4		3/4		3/4		3/4		3/4	
4	120,915	4	132,910	4	144,904	4	156,899	4	168,810	4		4		4		4		4	
1/4	121,165	1/4	133,159	1/4	145,154	1/4	157,149	1/4	168,998	1/4		1/4		1/4		1/4		1/4	
1/2	121,415	1/2	133,409	1/2	145,404	1/2	157,399	1/2	169,185	1/2		1/2		1/2		1/2		1/2	
3/4	121,665	3/4	133,659	3/4	145,654	3/4	157,648	3/4	169,372	3/4		3/4		3/4		3/4		3/4	
5	121,914	5	133,909	5	145,904	5	157,898	5	169,560	5		5		5		5		5	
1/4	122,164	1/4	134,159	1/4	146,154	1/4	158,148	1/4	169,706	1/4		1/4		1/4		1/4		1/4	
1/2	122,414	1/2	134,409	1/2	146,403	1/2	158,398	1/2	169,851	1/2		1/2		1/2		1/2		1/2	
3/4	122,664	3/4	134,659	3/4	146,653	3/4	158,648	3/4	169,997	3/4		3/4		3/4		3/4		3/4	
6	122,914	6	134,909	6	146,903	6	158,898	6	170,143	6		6		6		6		6	
1/4	123,164	1/4	135,159	1/4	147,153	1/4	159,148	1/4	170,247	1/4		1/4		1/4		1/4		1/4	
1/2	123,414	1/2	135,408	1/2	147,403	1/2	159,398	1/2	170,351	1/2		1/2		1/2		1/2		1/2	
3/4	123,664	3/4	135,658	3/4	147,653	3/4	159,648	3/4	170,455	3/4		3/4		3/4		3/4		3/4	
7	123,914	7	135,908	7	147,903	7	159,897	7	170,559	7		7		7		7		7	
1/4	124,163	1/4	136,158	1/4	148,153	1/4	160,147	1/4	170,622	1/4		1/4		1/4		1/4		1/4	
1/2	124,413	1/2	136,408	1/2	148,403	1/2	160,397	1/2	170,684	1/2		1/2		1/2		1/2		1/2	
3/4	124,663	3/4	136,658	3/4	148,652	3/4	160,647	3/4	170,747	3/4		3/4		3/4		3/4		3/4	
8	124,913	8	136,908	8	148,902	8	160,897	8	170,809	8		8		8		8		8	
1/4	125,163	1/4	137,158	1/4	149,152	1/4	161,147	1/4	170,830	1/4		1/4		1/4		1/4		1/4	
1/2	125,413	1/2	137,408	1/2	149,402	1/2	161,397	1/2	170,851	1/2		1/2		1/2		1/2		1/2	
3/4	125,663	3/4	137,657	3/4	149,652	3/4	161,647	3/4		3/4		3/4		3/4		3/4		3/4	
9	125,913	9	137,907	9	149,902	9	161,897	9		9		9		9		9		9	
1/4	126,163	1/4	138,157	1/4	150,152	1/4	162,146	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,412	1/2	138,407	1/2	150,402	1/2	162,396	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,662	3/4	138,657	3/4	150,652	3/4	162,646	3/4		3/4		3/4		3/4		3/4		3/4	
10	126,912	10	138,907	10	150,901	10	162,896	10		10		10		10		10		10	
1/4	127,162	1/4	139,157	1/4	151,151	1/4	163,146	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,412	1/2	139,407	1/2	151,401	1/2	163,396	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,662	3/4	139,657	3/4	151,651	3/4	163,646	3/4		3/4		3/4		3/4		3/4		3/4	
11	127,912	11	139,906	11	151,901	11	163,896	11		11		11		11		11		11	
1/4	128,162	1/4	140,156	1/4	152,151	1/4	164,146	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,412	1/2	140,406	1/2	152,401	1/2	164,395	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,661	3/4	140,656	3/4	152,651	3/4	164,645	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 09/07/2018 SW
CALCULATED: 09/07/2018 CL
PRINTED: 09/07/2018 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2018

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "CBC 1405"

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	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-1/2	01-1/2	- 02-0/8	02-0/8	- 02-3/8	02-3/8
2 CENTER	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-1/4	- 01-1/4
3 CENTER	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4

(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 00-3/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 3/4"

LENGTH BETWEEN DRAFT MARKS: 178'-06"

September 7, 2018

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588

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BARGE "CBC 1405"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	151,514	0	144,100	0	135,975	0	127,851	0	119,735	0	109,102	0	97,509	0	85,917
1/4		1/4		1/4	151,494	1/4	143,931	1/4	135,806	1/4	127,682	1/4	119,566	1/4	108,860	1/4	97,268	1/4	85,675
1/2		1/2		1/2	151,433	1/2	143,762	1/2	135,637	1/2	127,512	1/2	119,397	1/2	108,619	1/2	97,026	1/2	85,433
3/4		3/4		3/4	151,373	3/4	143,592	3/4	135,468	3/4	127,343	3/4	119,229	3/4	108,377	3/4	96,785	3/4	85,192
1		1		1	151,312	1	143,423	1	135,298	1	127,174	1	119,060	1	108,136	1	96,543	1	84,950
1/4		1/4		1/4	151,252	1/4	143,254	1/4	135,129	1/4	127,005	1/4	118,891	1/4	107,894	1/4	96,302	1/4	84,709
1/2		1/2		1/2	151,151	1/2	143,085	1/2	134,960	1/2	126,835	1/2	118,723	1/2	107,653	1/2	96,060	1/2	84,467
3/4		3/4		3/4	151,050	3/4	142,915	3/4	134,791	3/4	126,666	3/4	118,554	3/4	107,411	3/4	95,819	3/4	84,226
2		2		2	150,949	2	142,746	2	134,621	2	126,497	2	118,385	2	107,170	2	95,577	2	83,984
1/4		1/4		1/4	150,848	1/4	142,577	1/4	134,452	1/4	126,328	1/4	118,217	1/4	106,928	1/4	95,336	1/4	83,743
1/2		1/2		1/2	150,707	1/2	142,407	1/2	134,283	1/2	126,158	1/2	118,048	1/2	106,687	1/2	95,094	1/2	83,501
3/4		3/4		3/4	150,566	3/4	142,238	3/4	134,114	3/4	125,989	3/4	117,880	3/4	106,445	3/4	94,853	3/4	83,260
3		3		3	150,425	3	142,069	3	133,944	3	125,820	3	117,712	3	106,204	3	94,611	3	83,018
1/4		1/4		1/4	150,284	1/4	141,900	1/4	133,775	1/4	125,650	1/4	117,544	1/4	105,962	1/4	94,370	1/4	82,777
1/2		1/2		1/2	150,102	1/2	141,730	1/2	133,606	1/2	125,481	1/2	117,303	1/2	105,721	1/2	94,128	1/2	82,536
3/4		3/4		3/4	149,921	3/4	141,561	3/4	133,437	3/4	125,312	3/4	117,062	3/4	105,479	3/4	93,887	3/4	82,295
4		4		4	149,739	4	141,392	4	133,267	4	125,143	4	116,821	4	105,238	4	93,645	4	82,054
1/4		1/4		1/4	149,558	1/4	141,223	1/4	133,098	1/4	124,973	1/4	116,580	1/4	104,996	1/4	93,404	1/4	81,814
1/2		1/2		1/2	149,336	1/2	141,053	1/2	132,929	1/2	124,804	1/2	116,339	1/2	104,755	1/2	93,162	1/2	81,574
3/4		3/4		3/4	149,114	3/4	140,884	3/4	132,759	3/4	124,635	3/4	116,098	3/4	104,513	3/4	92,921	3/4	81,334
5		5		5	148,892	5	140,715	5	132,590	5	124,466	5	115,857	5	104,272	5	92,679	5	81,093
1/4		1/4		1/4	148,670	1/4	140,546	1/4	132,421	1/4	124,296	1/4	115,616	1/4	104,030	1/4	92,437	1/4	80,853
1/2		1/2		1/2	148,501	1/2	140,376	1/2	132,252	1/2	124,127	1/2	115,375	1/2	103,789	1/2	92,196	1/2	80,613
3/4		3/4		3/4	148,332	3/4	140,207	3/4	132,082	3/4	123,958	3/4	115,134	3/4	103,547	3/4	91,954	3/4	80,373
6		6		6	148,162	6	140,038	6	131,913	6	123,789	6	114,893	6	103,306	6	91,713	6	80,133
1/4		1/4		1/4	147,993	1/4	139,869	1/4	131,744	1/4	123,619	1/4	114,652	1/4	103,064	1/4	91,471	1/4	79,893
1/2		1/2		1/2	147,824	1/2	139,699	1/2	131,575	1/2	123,450	1/2	114,411	1/2	102,823	1/2	91,230	1/2	79,653
3/4		3/4		3/4	147,655	3/4	139,530	3/4	131,405	3/4	123,281	3/4	114,170	3/4	102,581	3/4	90,988	3/4	79,413
7		7		7	147,485	7	139,361	7	131,236	7	123,112	7	113,929	7	102,340	7	90,747	7	79,173
1/4		1/4		1/4	147,316	1/4	139,191	1/4	131,067	1/4	122,942	1/4	113,688	1/4	102,098	1/4	90,505	1/4	78,933
1/2		1/2		1/2	147,147	1/2	139,022	1/2	130,898	1/2	122,773	1/2	113,447	1/2	101,857	1/2	90,264	1/2	78,693
3/4		3/4		3/4	146,978	3/4	138,853	3/4	130,728	3/4	122,604	3/4	113,207	3/4	101,615	3/4	90,022	3/4	78,453
8		8		8	146,808	8	138,684	8	130,559	8	122,434	8	112,966	8	101,373	8	89,781	8	78,213
1/4		1/4		1/4	146,639	1/4	138,514	1/4	130,390	1/4	122,265	1/4	112,725	1/4	101,132	1/4	89,539	1/4	77,973
1/2		1/2		1/2	146,470	1/2	138,345	1/2	130,221	1/2	122,096	1/2	112,483	1/2	100,890	1/2	89,298	1/2	77,732
3/4		3/4		3/4	146,301	3/4	138,176	3/4	130,051	3/4	121,928	3/4	112,242	3/4	100,649	3/4	89,056	3/4	77,492
9		9		9	146,131	9	138,007	9	129,882	9	121,759	9	112,000	9	100,407	9	88,815	9	77,252
1/4		1/4		1/4	145,962	1/4	137,837	1/4	129,713	1/4	121,590	1/4	111,759	1/4	100,166	1/4	88,573	1/4	77,012
1/2		1/2		1/2	145,793	1/2	137,668	1/2	129,544	1/2	121,422	1/2	111,517	1/2	99,924	1/2	88,332	1/2	76,772
3/4		3/4		3/4	145,623	3/4	137,499	3/4	129,374	3/4	121,253	3/4	111,276	3/4	99,683	3/4	88,090	3/4	76,532
10		10		10	145,454	10	137,330	10	129,205	10	121,084	10	111,034	10	99,441	10	87,849	10	76,292
1/4		1/4		1/4	145,285	1/4	137,160	1/4	129,036	1/4	120,916	1/4	110,792	1/4	99,200	1/4	87,607	1/4	76,052
1/2		1/2		1/2	145,116	1/2	136,991	1/2	128,866	1/2	120,747	1/2	110,551	1/2	98,958	1/2	87,366	1/2	75,812
3/4		3/4		3/4	144,946	3/4	136,822	3/4	128,697	3/4	120,578	3/4	110,309	3/4	98,717	3/4	87,124	3/4	75,572
11		11		11	144,777	11	136,653	11	128,528	11	120,410	11	110,068	11	98,475	11	86,883	11	75,332
1/4		1/4		1/4	144,608	1/4	136,483	1/4	128,359	1/4	120,241	1/4	109,826	1/4	98,234	1/4	86,641	1/4	75,092
1/2		1/2		1/2	144,439	1/2	136,314	1/2	128,189	1/2	120,072	1/2	109,585	1/2	97,992	1/2	86,400	1/2	74,851
3/4		3/4		3/4	151,534	3/4	144,269	3/4	136,145	3/4	128,020	3/4	119,903	3/4	109,343	3/4	97,751	3/4	86,158

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 23'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "CBC 1405"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	74,369	0	62,786	0	51,198	0	39,610	0	28,244	0	16,695	0	5,087	0		0			
1/4	74,128	1/4	62,545	1/4	50,957	1/4	39,369	1/4	28,010	1/4	16,453	1/4	4,846	1/4					
1/2	73,888	1/2	62,304	1/2	50,715	1/2	39,127	1/2	27,775	1/2	16,211	1/2	4,607	1/2					
3/4	73,647	3/4	62,062	3/4	50,474	3/4	38,886	3/4	27,541	3/4	15,969	3/4	4,368	3/4					
1	73,406	1	61,821	1	50,233	1	38,644	1	27,306	1	15,727	1	4,129	1					
1/4	73,165	1/4	61,579	1/4	49,991	1/4	38,403	1/4	27,072	1/4	15,485	1/4	3,889	1/4					
1/2	72,924	1/2	61,338	1/2	49,750	1/2	38,162	1/2	26,837	1/2	15,243	1/2	3,652	1/2					
3/4	72,683	3/4	61,096	3/4	49,508	3/4	37,920	3/4	26,602	3/4	15,001	3/4	3,415	3/4					
2	72,443	2	60,855	2	49,267	2	37,679	2	26,368	2	14,759	2	3,178	2					
1/4	72,202	1/4	60,614	1/4	49,025	1/4	37,437	1/4	26,133	1/4	14,517	1/4	2,941	1/4					
1/2	71,960	1/2	60,372	1/2	48,784	1/2	37,196	1/2	25,891	1/2	14,275	1/2	2,719	1/2					
3/4	71,719	3/4	60,131	3/4	48,543	3/4	36,954	3/4	25,649	3/4	14,033	3/4	2,498	3/4					
3	71,477	3	59,889	3	48,301	3	36,713	3	25,407	3	13,791	3	2,277	3					
1/4	71,236	1/4	59,648	1/4	48,060	1/4	36,472	1/4	25,165	1/4	13,549	1/4	2,056	1/4					
1/2	70,995	1/2	59,406	1/2	47,818	1/2	36,230	1/2	24,923	1/2	13,307	1/2	1,874	1/2					
3/4	70,753	3/4	59,165	3/4	47,577	3/4	35,989	3/4	24,681	3/4	13,065	3/4	1,693	3/4					
4	70,512	4	58,924	4	47,335	4	35,747	4	24,439	4	12,823	4	1,511	4					
1/4	70,270	1/4	58,682	1/4	47,094	1/4	35,506	1/4	24,197	1/4	12,581	1/4	1,330	1/4					
1/2	70,029	1/2	58,441	1/2	46,853	1/2	35,272	1/2	23,955	1/2	12,339	1/2	1,189	1/2					
3/4	69,788	3/4	58,199	3/4	46,611	3/4	35,037	3/4	23,713	3/4	12,097	3/4	1,048	3/4					
5	69,546	5	57,958	5	46,370	5	34,803	5	23,471	5	11,855	5	907	5					
1/4	69,305	1/4	57,717	1/4	46,128	1/4	34,569	1/4	23,229	1/4	11,613	1/4	765	1/4					
1/2	69,063	1/2	57,475	1/2	45,887	1/2	34,335	1/2	22,987	1/2	11,371	1/2	665	1/2					
3/4	68,822	3/4	57,234	3/4	45,646	3/4	34,100	3/4	22,745	3/4	11,129	3/4	564	3/4					
6	68,580	6	56,992	6	45,404	6	33,866	6	22,503	6	10,887	6	463	6					
1/4	68,339	1/4	56,751	1/4	45,163	1/4	33,632	1/4	22,261	1/4	10,645	1/4	362	1/4					
1/2	68,098	1/2	56,509	1/2	44,921	1/2	33,398	1/2	22,019	1/2	10,403	1/2	302	1/2					
3/4	67,856	3/4	56,268	3/4	44,680	3/4	33,163	3/4	21,777	3/4	10,161	3/4	241	3/4					
7	67,615	7	56,027	7	44,438	7	32,929	7	21,535	7	9,919	7	181	7					
1/4	67,373	1/4	55,785	1/4	44,197	1/4	32,695	1/4	21,293	1/4	9,677	1/4	120	1/4					
1/2	67,132	1/2	55,544	1/2	43,956	1/2	32,461	1/2	21,051	1/2	9,435	1/2	100	1/2					
3/4	66,890	3/4	55,302	3/4	43,714	3/4	32,226	3/4	20,809	3/4	9,193	3/4	80	3/4					
8	66,649	8	55,061	8	43,473	8	31,992	8	20,567	8	8,951	8	60	8					
1/4	66,408	1/4	54,819	1/4	43,231	1/4	31,758	1/4	20,325	1/4	8,709	1/4	39	1/4					
1/2	66,166	1/2	54,578	1/2	42,990	1/2	31,524	1/2	20,083	1/2	8,467	1/2		1/2					
3/4	65,925	3/4	54,337	3/4	42,749	3/4	31,290	3/4	19,841	3/4	8,225	3/4		3/4					
9	65,683	9	54,095	9	42,507	9	31,055	9	19,599	9	7,983	9		9					
1/4	65,442	1/4	53,854	1/4	42,266	1/4	30,821	1/4	19,357	1/4	7,741	1/4		1/4					
1/2	65,201	1/2	53,612	1/2	42,024	1/2	30,587	1/2	19,115	1/2	7,499	1/2		1/2					
3/4	64,959	3/4	53,371	3/4	41,783	3/4	30,353	3/4	18,873	3/4	7,257	3/4		3/4					
10	64,718	10	53,130	10	41,541	10	30,118	10	18,631	10	7,016	10		10					
1/4	64,476	1/4	52,888	1/4	41,300	1/4	29,884	1/4	18,389	1/4	6,774	1/4		1/4					
1/2	64,235	1/2	52,647	1/2	41,059	1/2	29,650	1/2	18,147	1/2	6,532	1/2		1/2					
3/4	63,993	3/4	52,405	3/4	40,817	3/4	29,416	3/4	17,905	3/4	6,291	3/4		3/4					
11	63,752	11	52,164	11	40,576	11	29,181	11	17,663	11	6,050	11		11					
1/4	63,511	1/4	51,922	1/4	40,334	1/4	28,947	1/4	17,421	1/4	5,809	1/4		1/4					
1/2	63,269	1/2	51,681	1/2	40,093	1/2	28,713	1/2	17,179	1/2	5,568	1/2		1/2					
3/4	63,028	3/4	51,440	3/4	39,851	3/4	28,479	3/4	16,937	3/4	5,327	3/4		3/4					

STRAPPED: 09/07/2018 SW
CALCULATED: 09/07/2018 CL
PRINTED: 09/07/2018 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2018

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1405"

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	190,839	0	179,534	0	166,106	0	152,679	0	139,252	0	125,824	0	112,397	0	98,970
1/4		1/4		1/4	190,770	1/4	179,254	1/4	165,826	1/4	152,399	1/4	138,972	1/4	125,545	1/4	112,117	1/4	98,690
1/2		1/2		1/2	190,700	1/2	178,974	1/2	165,547	1/2	152,119	1/2	138,692	1/2	125,265	1/2	111,838	1/2	98,410
3/4		3/4		3/4	190,630	3/4	178,694	3/4	165,267	3/4	151,840	3/4	138,412	3/4	124,985	3/4	111,558	3/4	98,131
1		1		1	190,513	1	178,415	1	164,987	1	151,560	1	138,133	1	124,705	1	111,278	1	97,851
1/4		1/4		1/4	190,397	1/4	178,135	1/4	164,708	1/4	151,280	1/4	137,853	1/4	124,426	1/4	110,998	1/4	97,571
1/2		1/2		1/2	190,280	1/2	177,855	1/2	164,428	1/2	151,000	1/2	137,573	1/2	124,146	1/2	110,719	1/2	97,291
3/4		3/4		3/4	190,163	3/4	177,575	3/4	164,148	3/4	150,721	3/4	137,293	3/4	123,866	3/4	110,439	3/4	97,012
2		2		2	190,000	2	177,296	2	163,868	2	150,441	2	137,014	2	123,586	2	110,159	2	96,732
1/4		1/4		1/4	189,837	1/4	177,016	1/4	163,589	1/4	150,161	1/4	136,734	1/4	123,307	1/4	109,879	1/4	96,452
1/2		1/2		1/2	189,674	1/2	176,736	1/2	163,309	1/2	149,882	1/2	136,454	1/2	123,027	1/2	109,600	1/2	96,172
3/4		3/4		3/4	189,511	3/4	176,456	3/4	163,029	3/4	149,602	3/4	136,175	3/4	122,747	3/4	109,320	3/4	95,893
3		3		3	189,301	3	176,177	3	162,749	3	149,322	3	135,895	3	122,467	3	109,040	3	95,613
1/4		1/4		1/4	189,091	1/4	175,897	1/4	162,470	1/4	149,042	1/4	135,615	1/4	122,188	1/4	108,760	1/4	95,333
1/2		1/2		1/2	188,881	1/2	175,617	1/2	162,190	1/2	148,763	1/2	135,335	1/2	121,908	1/2	108,481	1/2	95,053
3/4		3/4		3/4	188,672	3/4	175,337	3/4	161,910	3/4	148,483	3/4	135,056	3/4	121,628	3/4	108,201	3/4	94,774
4		4		4	188,415	4	175,058	4	161,630	4	148,203	4	134,776	4	121,349	4	107,921	4	94,494
1/4		1/4		1/4	188,159	1/4	174,778	1/4	161,351	1/4	147,923	1/4	134,496	1/4	121,069	1/4	107,642	1/4	94,214
1/2		1/2		1/2	187,902	1/2	174,498	1/2	161,071	1/2	147,644	1/2	134,216	1/2	120,789	1/2	107,362	1/2	93,934
3/4		3/4		3/4	187,646	3/4	174,219	3/4	160,791	3/4	147,364	3/4	133,937	3/4	120,509	3/4	107,082	3/4	93,655
5		5		5	187,366	5	173,939	5	160,511	5	147,084	5	133,657	5	120,230	5	106,802	5	93,375
1/4		1/4		1/4	187,086	1/4	173,659	1/4	160,232	1/4	146,804	1/4	133,377	1/4	119,950	1/4	106,523	1/4	93,095
1/2		1/2		1/2	186,807	1/2	173,379	1/2	159,952	1/2	146,525	1/2	133,097	1/2	119,670	1/2	106,243	1/2	92,816
3/4		3/4		3/4	186,527	3/4	173,100	3/4	159,672	3/4	146,245	3/4	132,818	3/4	119,390	3/4	105,963	3/4	92,536
6		6		6	186,247	6	172,820	6	159,393	6	145,965	6	132,538	6	119,111	6	105,683	6	92,256
1/4		1/4		1/4	185,967	1/4	172,540	1/4	159,113	1/4	145,686	1/4	132,258	1/4	118,831	1/4	105,404	1/4	91,976
1/2		1/2		1/2	185,688	1/2	172,260	1/2	158,833	1/2	145,406	1/2	131,978	1/2	118,551	1/2	105,124	1/2	91,697
3/4		3/4		3/4	185,408	3/4	171,981	3/4	158,553	3/4	145,126	3/4	131,699	3/4	118,271	3/4	104,844	3/4	91,417
7		7		7	185,128	7	171,701	7	158,274	7	144,846	7	131,419	7	117,992	7	104,564	7	91,137
1/4		1/4		1/4	184,848	1/4	171,421	1/4	157,994	1/4	144,567	1/4	131,139	1/4	117,712	1/4	104,285	1/4	90,857
1/2		1/2		1/2	184,569	1/2	171,141	1/2	157,714	1/2	144,287	1/2	130,860	1/2	117,432	1/2	104,005	1/2	90,578
3/4		3/4		3/4	184,289	3/4	170,862	3/4	157,434	3/4	144,007	3/4	130,580	3/4	117,153	3/4	103,725	3/4	90,298
8		8		8	184,009	8	170,582	8	157,155	8	143,727	8	130,300	8	116,873	8	103,445	8	90,018
1/4		1/4		1/4	183,730	1/4	170,302	1/4	156,875	1/4	143,448	1/4	130,020	1/4	116,593	1/4	103,166	1/4	89,738
1/2		1/2		1/2	183,450	1/2	170,022	1/2	156,595	1/2	143,168	1/2	129,741	1/2	116,313	1/2	102,886	1/2	89,459
3/4		3/4		3/4	183,170	3/4	169,743	3/4	156,315	3/4	142,888	3/4	129,461	3/4	116,034	3/4	102,606	3/4	89,179
9		9		9	182,890	9	169,463	9	156,036	9	142,608	9	129,181	9	115,754	9	102,327	9	88,899
1/4		1/4		1/4	182,611	1/4	169,183	1/4	155,756	1/4	142,329	1/4	128,901	1/4	115,474	1/4	102,047	1/4	88,620
1/2		1/2		1/2	182,331	1/2	168,904	1/2	155,476	1/2	142,049	1/2	128,622	1/2	115,194	1/2	101,767	1/2	88,340
3/4		3/4		3/4	182,051	3/4	168,624	3/4	155,197	3/4	141,769	3/4	128,342	3/4	114,915	3/4	101,487	3/4	88,060
10		10		10	181,771	10	168,344	10	154,917	10	141,489	10	128,062	10	114,635	10	101,208	10	87,780
1/4		1/4		1/4	181,492	1/4	168,064	1/4	154,637	1/4	141,210	1/4	127,782	1/4	114,355	1/4	100,928	1/4	87,501
1/2		1/2		1/2	181,212	1/2	167,785	1/2	154,357	1/2	140,930	1/2	127,503	1/2	114,075	1/2	100,648	1/2	87,221
3/4		3/4		3/4	180,932	3/4	167,505	3/4	154,078	3/4	140,650	3/4	127,223	3/4	113,796	3/4	100,368	3/4	86,941
11		11		11	180,652	11	167,225	11	153,798	11	140,371	11	126,943	11	113,516	11	100,089	11	86,661
1/4		1/4		1/4	190,956	1/4	180,373	1/4	166,945	1/4	153,518	1/4	140,091	1/4	113,236	1/4	99,809	1/4	86,382
1/2		1/2		1/2	190,933	1/2	180,093	1/2	166,666	1/2	153,238	1/2	139,811	1/2	112,956	1/2	99,529	1/2	86,102
3/4		3/4		3/4	190,909	3/4	179,813	3/4	166,386	3/4	152,959	3/4	139,531	3/4	112,677	3/4	99,249	3/4	85,822

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 36'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "CBC 1405"

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	85,542	0	72,115	0	58,688	0	45,261	0	32,135	0	18,732	0	5,319	0		0			
1/4	85,263	1/4	71,835	1/4	58,408	1/4	44,981	1/4	31,864	1/4	18,452	1/4	5,043	1/4					
1/2	84,983	1/2	71,556	1/2	58,128	1/2	44,701	1/2	31,592	1/2	18,173	1/2	4,766	1/2					
3/4	84,703	3/4	71,276	3/4	57,849	3/4	44,421	3/4	31,320	3/4	17,893	3/4	4,490	3/4					
1	84,423	1	70,996	1	57,569	1	44,142	1	31,040	1	17,613	1	4,216	1					
1/4	84,144	1/4	70,716	1/4	57,289	1/4	43,862	1/4	30,760	1/4	17,333	1/4	3,941	1/4					
1/2	83,864	1/2	70,437	1/2	57,009	1/2	43,582	1/2	30,481	1/2	17,054	1/2	3,667	1/2					
3/4	83,584	3/4	70,157	3/4	56,730	3/4	43,302	3/4	30,201	3/4	16,774	3/4	3,393	3/4					
2	83,305	2	69,877	2	56,450	2	43,023	2	29,921	2	16,494	2	3,137	2					
1/4	83,025	1/4	69,598	1/4	56,170	1/4	42,743	1/4	29,641	1/4	16,215	1/4	2,882	1/4					
1/2	82,745	1/2	69,318	1/2	55,890	1/2	42,463	1/2	29,362	1/2	15,935	1/2	2,626	1/2					
3/4	82,465	3/4	69,038	3/4	55,611	3/4	42,183	3/4	29,082	3/4	15,655	3/4	2,370	3/4					
3	82,186	3	68,758	3	55,331	3	41,912	3	28,802	3	15,375	3	2,161	3					
1/4	81,906	1/4	68,479	1/4	55,051	1/4	41,640	1/4	28,523	1/4	15,096	1/4	1,951	1/4					
1/2	81,626	1/2	68,199	1/2	54,772	1/2	41,368	1/2	28,243	1/2	14,816	1/2	1,741	1/2					
3/4	81,346	3/4	67,919	3/4	54,492	3/4	41,096	3/4	27,963	3/4	14,536	3/4	1,531	3/4					
4	81,067	4	67,639	4	54,212	4	40,824	4	27,683	4	14,256	4	1,368	4					
1/4	80,787	1/4	67,360	1/4	53,932	1/4	40,553	1/4	27,404	1/4	13,977	1/4	1,205	1/4					
1/2	80,507	1/2	67,080	1/2	53,653	1/2	40,281	1/2	27,124	1/2	13,697	1/2	1,042	1/2					
3/4	80,227	3/4	66,800	3/4	53,373	3/4	40,010	3/4	26,844	3/4	13,417	3/4	878	3/4					
5	79,948	5	66,520	5	53,093	5	39,738	5	26,564	5	13,138	5	762	5					
1/4	79,668	1/4	66,241	1/4	52,813	1/4	39,467	1/4	26,285	1/4	12,858	1/4	645	1/4					
1/2	79,388	1/2	65,961	1/2	52,534	1/2	39,195	1/2	26,005	1/2	12,578	1/2	529	1/2					
3/4	79,109	3/4	65,681	3/4	52,254	3/4	38,924	3/4	25,725	3/4	12,298	3/4	412	3/4					
6	78,829	6	65,401	6	51,974	6	38,652	6	25,446	6	12,019	6	342	6					
1/4	78,549	1/4	65,122	1/4	51,694	1/4	38,381	1/4	25,166	1/4	11,739	1/4	272	1/4					
1/2	78,269	1/2	64,842	1/2	51,415	1/2	38,109	1/2	24,886	1/2	11,459	1/2	203	1/2					
3/4	77,990	3/4	64,562	3/4	51,135	3/4	37,838	3/4	24,606	3/4	11,179	3/4	133	3/4					
7	77,710	7	64,283	7	50,855	7	37,566	7	24,327	7	10,900	7	109	7					
1/4	77,430	1/4	64,003	1/4	50,576	1/4	37,295	1/4	24,047	1/4	10,620	1/4	86	1/4					
1/2	77,150	1/2	63,723	1/2	50,296	1/2	37,023	1/2	23,767	1/2	10,340	1/2	63	1/2					
3/4	76,871	3/4	63,443	3/4	50,016	3/4	36,752	3/4	23,487	3/4	10,061	3/4	39	3/4					
8	76,591	8	63,164	8	49,736	8	36,480	8	23,208	8	9,781	8		8					
1/4	76,311	1/4	62,884	1/4	49,457	1/4	36,209	1/4	22,928	1/4	9,501	1/4		1/4					
1/2	76,031	1/2	62,604	1/2	49,177	1/2	35,937	1/2	22,648	1/2	9,221	1/2		1/2					
3/4	75,752	3/4	62,324	3/4	48,897	3/4	35,666	3/4	22,369	3/4	8,942	3/4		3/4					
9	75,472	9	62,045	9	48,617	9	35,394	9	22,089	9	8,662	9		9					
1/4	75,192	1/4	61,765	1/4	48,338	1/4	35,122	1/4	21,809	1/4	8,383	1/4		1/4					
1/2	74,912	1/2	61,485	1/2	48,058	1/2	34,851	1/2	21,529	1/2	8,103	1/2		1/2					
3/4	74,633	3/4	61,205	3/4	47,778	3/4	34,579	3/4	21,250	3/4	7,824	3/4		3/4					
10	74,353	10	60,926	10	47,498	10	34,308	10	20,970	10	7,545	10		10					
1/4	74,073	1/4	60,646	1/4	47,219	1/4	34,036	1/4	20,690	1/4	7,266	1/4		1/4					
1/2	73,794	1/2	60,366	1/2	46,939	1/2	33,765	1/2	20,410	1/2	6,987	1/2		1/2					
3/4	73,514	3/4	60,087	3/4	46,659	3/4	33,493	3/4	20,131	3/4	6,708	3/4		3/4					
11	73,234	11	59,807	11	46,379	11	33,222	11	19,851	11	6,430	11		11					
1/4	72,954	1/4	59,527	1/4	46,100	1/4	32,950	1/4	19,571	1/4	6,152	1/4		1/4					
1/2	72,675	1/2	59,247	1/2	45,820	1/2	32,679	1/2	19,292	1/2	5,874	1/2		1/2					
3/4	72,395	3/4	58,968	3/4	45,540	3/4	32,407	3/4	19,012	3/4	5,596	3/4		3/4					

STRAPPED: 09/07/2018 SW
CALCULATED: 09/07/2018 CL
PRINTED: 09/07/2018 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2018

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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& ANALYSIS, INC.
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BARGE "CBC 1405"

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	161,647	0	149,652	0	137,657	0	125,663	0	113,668	0	101,674	0	89,679
1/4		1/4		1/4		1/4	170,851	1/4	161,397	1/4	149,402	1/4	137,408	1/4	125,413	1/4	113,418	1/4	101,424
1/2		1/2		1/2		1/2	170,830	1/2	161,147	1/2	149,152	1/2	137,158	1/2	125,163	1/2	113,168	1/2	101,174
3/4		3/4		3/4		3/4	170,809	3/4	160,897	3/4	148,902	3/4	136,908	3/4	124,913	3/4	112,919	3/4	100,924
1		1		1		1	170,747	1	160,647	1	148,653	1	136,658	1	124,663	1	112,669	1	100,674
1/4		1/4		1/4		1/4	170,684	1/4	160,397	1/4	148,403	1/4	136,408	1/4	124,413	1/4	112,419	1/4	100,424
1/2		1/2		1/2		1/2	170,622	1/2	160,147	1/2	148,153	1/2	136,158	1/2	124,164	1/2	112,169	1/2	100,174
3/4		3/4		3/4		3/4	170,559	3/4	159,898	3/4	147,903	3/4	135,908	3/4	123,914	3/4	111,919	3/4	99,924
2		2		2		2	170,455	2	159,648	2	147,653	2	135,658	2	123,664	2	111,669	2	99,674
1/4		1/4		1/4		1/4	170,351	1/4	159,398	1/4	147,403	1/4	135,408	1/4	123,414	1/4	111,419	1/4	99,425
1/2		1/2		1/2		1/2	170,247	1/2	159,148	1/2	147,153	1/2	135,159	1/2	123,164	1/2	111,169	1/2	99,175
3/4		3/4		3/4		3/4	170,143	3/4	158,898	3/4	146,903	3/4	134,909	3/4	122,914	3/4	110,919	3/4	98,925
3		3		3		3	169,997	3	158,648	3	146,653	3	134,659	3	122,664	3	110,670	3	98,675
1/4		1/4		1/4		1/4	169,851	1/4	158,398	1/4	146,404	1/4	134,409	1/4	122,414	1/4	110,420	1/4	98,425
1/2		1/2		1/2		1/2	169,706	1/2	158,148	1/2	146,154	1/2	134,159	1/2	122,164	1/2	110,170	1/2	98,175
3/4		3/4		3/4		3/4	169,560	3/4	157,898	3/4	145,904	3/4	133,909	3/4	121,915	3/4	109,920	3/4	97,925
4		4		4		4	169,373	4	157,649	4	145,654	4	133,659	4	121,665	4	109,670	4	97,675
1/4		1/4		1/4		1/4	169,185	1/4	157,399	1/4	145,404	1/4	133,409	1/4	121,415	1/4	109,420	1/4	97,425
1/2		1/2		1/2		1/2	168,998	1/2	157,149	1/2	145,154	1/2	133,159	1/2	121,165	1/2	109,170	1/2	97,176
3/4		3/4		3/4		3/4	168,810	3/4	156,899	3/4	144,904	3/4	132,910	3/4	120,915	3/4	108,920	3/4	96,926
5		5		5		5	168,581	5	156,649	5	144,654	5	132,660	5	120,665	5	108,670	5	96,676
1/4		1/4		1/4		1/4	168,352	1/4	156,399	1/4	144,404	1/4	132,410	1/4	120,415	1/4	108,421	1/4	96,426
1/2		1/2		1/2		1/2	168,123	1/2	156,149	1/2	144,155	1/2	132,160	1/2	120,165	1/2	108,171	1/2	96,176
3/4		3/4		3/4		3/4	167,894	3/4	155,899	3/4	143,905	3/4	131,910	3/4	119,915	3/4	107,921	3/4	95,926
6		6		6		6	167,644	6	155,649	6	143,655	6	131,660	6	119,666	6	107,671	6	95,676
1/4		1/4		1/4		1/4	167,394	1/4	155,400	1/4	143,405	1/4	131,410	1/4	119,416	1/4	107,421	1/4	95,426
1/2		1/2		1/2		1/2	167,144	1/2	155,150	1/2	143,155	1/2	131,160	1/2	119,166	1/2	107,171	1/2	95,176
3/4		3/4		3/4		3/4	166,894	3/4	154,900	3/4	142,905	3/4	130,910	3/4	118,916	3/4	106,921	3/4	94,927
7		7		7		7	166,645	7	154,650	7	142,655	7	130,661	7	118,666	7	106,671	7	94,677
1/4		1/4		1/4		1/4	166,395	1/4	154,400	1/4	142,405	1/4	130,411	1/4	118,416	1/4	106,421	1/4	94,427
1/2		1/2		1/2		1/2	166,145	1/2	154,150	1/2	142,155	1/2	130,161	1/2	118,166	1/2	106,172	1/2	94,177
3/4		3/4		3/4		3/4	165,895	3/4	153,900	3/4	141,906	3/4	129,911	3/4	117,916	3/4	105,922	3/4	93,927
8		8		8		8	165,645	8	153,650	8	141,656	8	129,661	8	117,666	8	105,672	8	93,677
1/4		1/4		1/4		1/4	165,395	1/4	153,400	1/4	141,406	1/4	129,411	1/4	117,417	1/4	105,422	1/4	93,427
1/2		1/2		1/2		1/2	165,145	1/2	153,151	1/2	141,156	1/2	129,161	1/2	117,167	1/2	105,172	1/2	93,177
3/4		3/4		3/4		3/4	164,895	3/4	152,901	3/4	140,906	3/4	128,911	3/4	116,917	3/4	104,922	3/4	92,927
9		9		9		9	164,645	9	152,651	9	140,656	9	128,661	9	116,667	9	104,672	9	92,678
1/4		1/4		1/4		1/4	164,396	1/4	152,401	1/4	140,406	1/4	128,412	1/4	116,417	1/4	104,422	1/4	92,428
1/2		1/2		1/2		1/2	164,146	1/2	152,151	1/2	140,156	1/2	128,162	1/2	116,167	1/2	104,172	1/2	92,178
3/4		3/4		3/4		3/4	163,896	3/4	151,901	3/4	139,906	3/4	127,912	3/4	115,917	3/4	103,923	3/4	91,928
10		10		10		10	163,646	10	151,651	10	139,657	10	127,662	10	115,667	10	103,673	10	91,678
1/4		1/4		1/4		1/4	163,396	1/4	151,401	1/4	139,407	1/4	127,412	1/4	115,417	1/4	103,423	1/4	91,428
1/2		1/2		1/2		1/2	163,146	1/2	151,151	1/2	139,157	1/2	127,162	1/2	115,168	1/2	103,173	1/2	91,178
3/4		3/4		3/4		3/4	162,896	3/4	150,902	3/4	138,907	3/4	126,912	3/4	114,918	3/4	102,923	3/4	90,928
11		11		11		11	162,646	11	150,652	11	138,657	11	126,662	11	114,668	11	102,673	11	90,678
1/4		1/4		1/4		1/4	162,396	1/4	150,402	1/4	138,407	1/4	126,412	1/4	114,418	1/4	102,423	1/4	90,429
1/2		1/2		1/2		1/2	162,147	1/2	150,152	1/2	138,157	1/2	126,163	1/2	114,168	1/2	102,173	1/2	90,179
3/4		3/4		3/4		3/4	161,897	3/4	149,902	3/4	137,907	3/4	125,913	3/4	113,918	3/4	101,923	3/4	89,929

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 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 29'-03" FORWARD OF AFT BULKHEAD.

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BARGE "CBC 1405"

3 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	77,684	0	65,690	0	53,695	0	41,700	0	29,727	0	17,737	0	5,748	0		0			
1/4	77,434	1/4	65,440	1/4	53,445	1/4	41,450	1/4	29,477	1/4	17,487	1/4	5,500	1/4		1/4		1/4	
1/2	77,184	1/2	65,190	1/2	53,195	1/2	41,200	1/2	29,228	1/2	17,238	1/2	5,252	1/2		1/2		1/2	
3/4	76,935	3/4	64,940	3/4	52,945	3/4	40,951	3/4	28,979	3/4	16,988	3/4	5,003	3/4		3/4		3/4	
1	76,685	1	64,690	1	52,695	1	40,701	1	28,729	1	16,738	1	4,756	1		1		1	
1/4	76,435	1/4	64,440	1/4	52,445	1/4	40,451	1/4	28,480	1/4	16,488	1/4	4,509	1/4		1/4		1/4	
1/2	76,185	1/2	64,190	1/2	52,196	1/2	40,201	1/2	28,230	1/2	16,238	1/2	4,262	1/2		1/2		1/2	
3/4	75,935	3/4	63,940	3/4	51,946	3/4	39,951	3/4	27,981	3/4	15,988	3/4	4,015	3/4		3/4		3/4	
2	75,685	2	63,690	2	51,696	2	39,701	2	27,731	2	15,738	2	3,770	2		2		2	
1/4	75,435	1/4	63,441	1/4	51,446	1/4	39,451	1/4	27,482	1/4	15,488	1/4	3,525	1/4		1/4		1/4	
1/2	75,185	1/2	63,191	1/2	51,196	1/2	39,201	1/2	27,232	1/2	15,238	1/2	3,280	1/2		1/2		1/2	
3/4	74,935	3/4	62,941	3/4	50,946	3/4	38,951	3/4	26,983	3/4	14,989	3/4	3,035	3/4		3/4		3/4	
3	74,686	3	62,691	3	50,696	3	38,702	3	26,733	3	14,739	3	2,807	3		3		3	
1/4	74,436	1/4	62,441	1/4	50,446	1/4	38,452	1/4	26,483	1/4	14,489	1/4	2,579	1/4		1/4		1/4	
1/2	74,186	1/2	62,191	1/2	50,196	1/2	38,202	1/2	26,233	1/2	14,239	1/2	2,350	1/2		1/2		1/2	
3/4	73,936	3/4	61,941	3/4	49,947	3/4	37,952	3/4	25,983	3/4	13,989	3/4	2,122	3/4		3/4		3/4	
4	73,686	4	61,691	4	49,697	4	37,702	4	25,733	4	13,739	4	1,934	4		4		4	
1/4	73,436	1/4	61,441	1/4	49,447	1/4	37,452	1/4	25,484	1/4	13,489	1/4	1,747	1/4		1/4		1/4	
1/2	73,186	1/2	61,192	1/2	49,197	1/2	37,202	1/2	25,234	1/2	13,239	1/2	1,560	1/2		1/2		1/2	
3/4	72,936	3/4	60,942	3/4	48,947	3/4	36,952	3/4	24,984	3/4	12,990	3/4	1,372	3/4		3/4		3/4	
5	72,686	5	60,692	5	48,697	5	36,703	5	24,734	5	12,740	5	1,226	5		5		5	
1/4	72,437	1/4	60,442	1/4	48,447	1/4	36,454	1/4	24,484	1/4	12,490	1/4	1,081	1/4		1/4		1/4	
1/2	72,187	1/2	60,192	1/2	48,197	1/2	36,205	1/2	24,234	1/2	12,240	1/2	935	1/2		1/2		1/2	
3/4	71,937	3/4	59,942	3/4	47,947	3/4	35,956	3/4	23,984	3/4	11,990	3/4	789	3/4		3/4		3/4	
6	71,687	6	59,692	6	47,698	6	35,707	6	23,734	6	11,740	6	685	6		6		6	
1/4	71,437	1/4	59,442	1/4	47,448	1/4	35,457	1/4	23,484	1/4	11,490	1/4	581	1/4		1/4		1/4	
1/2	71,187	1/2	59,192	1/2	47,198	1/2	35,208	1/2	23,235	1/2	11,240	1/2	477	1/2		1/2		1/2	
3/4	70,937	3/4	58,943	3/4	46,948	3/4	34,959	3/4	22,985	3/4	10,991	3/4	373	3/4		3/4		3/4	
7	70,687	7	58,693	7	46,698	7	34,710	7	22,735	7	10,741	7	310	7		7		7	
1/4	70,437	1/4	58,443	1/4	46,448	1/4	34,461	1/4	22,485	1/4	10,491	1/4	248	1/4		1/4		1/4	
1/2	70,188	1/2	58,193	1/2	46,198	1/2	34,212	1/2	22,235	1/2	10,241	1/2	185	1/2		1/2		1/2	
3/4	69,938	3/4	57,943	3/4	45,948	3/4	33,962	3/4	21,985	3/4	9,991	3/4	123	3/4		3/4		3/4	
8	69,688	8	57,693	8	45,698	8	33,713	8	21,735	8	9,741	8	102	8		8		8	
1/4	69,438	1/4	57,443	1/4	45,449	1/4	33,464	1/4	21,485	1/4	9,491	1/4	81	1/4		1/4		1/4	
1/2	69,188	1/2	57,193	1/2	45,199	1/2	33,215	1/2	21,236	1/2	9,241	1/2	60	1/2		1/2		1/2	
3/4	68,938	3/4	56,943	3/4	44,949	3/4	32,966	3/4	20,986	3/4	8,991	3/4	39	3/4		3/4		3/4	
9	68,688	9	56,694	9	44,699	9	32,717	9	20,736	9	8,742	9		9		9		9	
1/4	68,438	1/4	56,444	1/4	44,449	1/4	32,467	1/4	20,486	1/4	8,492	1/4		1/4		1/4		1/4	
1/2	68,188	1/2	56,194	1/2	44,199	1/2	32,218	1/2	20,236	1/2	8,242	1/2		1/2		1/2		1/2	
3/4	67,939	3/4	55,944	3/4	43,949	3/4	31,969	3/4	19,986	3/4	7,992	3/4		3/4		3/4		3/4	
10	67,689	10	55,694	10	43,699	10	31,720	10	19,736	10	7,742	10		10		10		10	
1/4	67,439	1/4	55,444	1/4	43,449	1/4	31,471	1/4	19,486	1/4	7,493	1/4		1/4		1/4		1/4	
1/2	67,189	1/2	55,194	1/2	43,200	1/2	31,222	1/2	19,237	1/2	7,243	1/2		1/2		1/2		1/2	
3/4	66,939	3/4	54,944	3/4	42,950	3/4	30,972	3/4	18,987	3/4	6,993	3/4		3/4		3/4		3/4	
11	66,689	11	54,694	11	42,700	11	30,723	11	18,737	11	6,744	11		11		11		11	
1/4	66,439	1/4	54,445	1/4	42,450	1/4	30,474	1/4	18,487	1/4	6,495	1/4		1/4		1/4		1/4	
1/2	66,189	1/2	54,195	1/2	42,200	1/2	30,225	1/2	18,237	1/2	6,246	1/2		1/2		1/2		1/2	
3/4	65,939	3/4	53,945	3/4	41,950	3/4	29,976	3/4	17,987	3/4	5,997	3/4		3/4		3/4		3/4	

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CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2018

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