



BARGE "CBC 1399"

INNAGE TRIM TABLE

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

(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 4'-00 1/2'

LENGTH BETWEEN DRAFT MARKS: 161'-09"

December 29, 2017

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

<http://www.pmacorp.net>



BARGE "CBC 1399"

1 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	8,099	0	18,898	0	29,546	0	40,224	0	50,995	0	61,766	0	72,514	0	83,263	0	94,038
1/4	58	1/4	8,324	1/4	19,123	1/4	29,765	1/4	40,448	1/4	51,219	1/4	61,990	1/4	72,737	1/4	83,488	1/4	94,262
1/2	77	1/2	8,549	1/2	19,348	1/2	29,983	1/2	40,673	1/2	51,444	1/2	62,215	1/2	72,960	1/2	83,712	1/2	94,487
3/4	96	3/4	8,774	3/4	19,573	3/4	30,202	3/4	40,897	3/4	51,668	3/4	62,439	3/4	73,183	3/4	83,937	3/4	94,711
1	114	1	8,999	1	19,798	1	30,420	1	41,122	1	51,893	1	62,664	1	73,406	1	84,161	1	94,935
1/4	171	1/4	9,224	1/4	20,023	1/4	30,639	1/4	41,346	1/4	52,117	1/4	62,888	1/4	73,629	1/4	84,386	1/4	95,160
1/2	227	1/2	9,449	1/2	20,248	1/2	30,858	1/2	41,570	1/2	52,341	1/2	63,112	1/2	73,852	1/2	84,610	1/2	95,384
3/4	283	3/4	9,674	3/4	20,473	3/4	31,076	3/4	41,795	3/4	52,566	3/4	63,337	3/4	74,075	3/4	84,835	3/4	95,609
2	339	2	9,899	2	20,698	2	31,295	2	42,019	2	52,790	2	63,561	2	74,298	2	85,059	2	95,833
1/4	433	1/4	10,124	1/4	20,923	1/4	31,513	1/4	42,244	1/4	53,015	1/4	63,786	1/4	74,521	1/4	85,284	1/4	96,058
1/2	527	1/2	10,349	1/2	21,148	1/2	31,732	1/2	42,468	1/2	53,239	1/2	64,010	1/2	74,744	1/2	85,508	1/2	96,282
3/4	621	3/4	10,574	3/4	21,373	3/4	31,951	3/4	42,692	3/4	53,463	3/4	64,234	3/4	74,967	3/4	85,732	3/4	96,507
3	714	3	10,799	3	21,597	3	32,169	3	42,917	3	53,688	3	64,459	3	75,190	3	85,957	3	96,731
1/4	845	1/4	11,024	1/4	21,822	1/4	32,388	1/4	43,141	1/4	53,912	1/4	64,683	1/4	75,413	1/4	86,181	1/4	96,956
1/2	977	1/2	11,249	1/2	22,047	1/2	32,606	1/2	43,366	1/2	54,137	1/2	64,908	1/2	75,636	1/2	86,406	1/2	97,180
3/4	1,108	3/4	11,474	3/4	22,272	3/4	32,825	3/4	43,590	3/4	54,361	3/4	65,132	3/4	75,859	3/4	86,630	3/4	97,405
4	1,239	4	11,698	4	22,497	4	33,043	4	43,814	4	54,585	4	65,356	4	76,082	4	86,855	4	97,629
1/4	1,408	1/4	11,923	1/4	22,722	1/4	33,268	1/4	44,039	1/4	54,810	1/4	65,581	1/4	76,306	1/4	87,079	1/4	97,854
1/2	1,576	1/2	12,148	1/2	22,947	1/2	33,492	1/2	44,263	1/2	55,034	1/2	65,805	1/2	76,530	1/2	87,304	1/2	98,078
3/4	1,745	3/4	12,373	3/4	23,172	3/4	33,717	3/4	44,488	3/4	55,259	3/4	66,030	3/4	76,754	3/4	87,528	3/4	98,302
5	1,914	5	12,598	5	23,397	5	33,941	5	44,712	5	55,483	5	66,254	5	76,977	5	87,753	5	98,527
1/4	2,119	1/4	12,823	1/4	23,622	1/4	34,165	1/4	44,936	1/4	55,707	1/4	66,478	1/4	77,202	1/4	87,977	1/4	98,751
1/2	2,325	1/2	13,048	1/2	23,847	1/2	34,390	1/2	45,161	1/2	55,932	1/2	66,703	1/2	77,426	1/2	88,202	1/2	98,976
3/4	2,531	3/4	13,273	3/4	24,072	3/4	34,614	3/4	45,385	3/4	56,156	3/4	66,927	3/4	77,651	3/4	88,426	3/4	99,200
6	2,736	6	13,498	6	24,297	6	34,839	6	45,610	6	56,381	6	67,151	6	77,875	6	88,650	6	99,425
1/4	2,957	1/4	13,723	1/4	24,516	1/4	35,063	1/4	45,834	1/4	56,605	1/4	67,375	1/4	78,100	1/4	88,875	1/4	99,649
1/2	3,177	1/2	13,948	1/2	24,735	1/2	35,287	1/2	46,058	1/2	56,829	1/2	67,599	1/2	78,324	1/2	89,099	1/2	99,874
3/4	3,398	3/4	14,173	3/4	24,954	3/4	35,512	3/4	46,283	3/4	57,054	3/4	67,823	3/4	78,549	3/4	89,324	3/4	100,098
7	3,618	7	14,398	7	25,173	7	35,736	7	46,507	7	57,278	7	68,047	7	78,773	7	89,548	7	100,323
1/4	3,841	1/4	14,623	1/4	25,392	1/4	35,961	1/4	46,732	1/4	57,502	1/4	68,271	1/4	78,998	1/4	89,773	1/4	100,547
1/2	4,063	1/2	14,848	1/2	25,611	1/2	36,185	1/2	46,956	1/2	57,727	1/2	68,494	1/2	79,222	1/2	89,997	1/2	100,772
3/4	4,286	3/4	15,073	3/4	25,830	3/4	36,409	3/4	47,180	3/4	57,951	3/4	68,718	3/4	79,447	3/4	90,222	3/4	100,996
8	4,508	8	15,298	8	26,049	8	36,634	8	47,405	8	58,176	8	68,942	8	79,671	8	90,446	8	101,220
1/4	4,732	1/4	15,523	1/4	26,268	1/4	36,858	1/4	47,629	1/4	58,400	1/4	69,166	1/4	79,896	1/4	90,671	1/4	101,445
1/2	4,955	1/2	15,748	1/2	26,486	1/2	37,083	1/2	47,853	1/2	58,624	1/2	69,390	1/2	80,120	1/2	90,895	1/2	101,669
3/4	5,179	3/4	15,973	3/4	26,705	3/4	37,307	3/4	48,078	3/4	58,849	3/4	69,613	3/4	80,345	3/4	91,120	3/4	101,894
9	5,403	9	16,198	9	26,923	9	37,531	9	48,302	9	59,073	9	69,837	9	80,569	9	91,344	9	102,118
1/4	5,627	1/4	16,423	1/4	27,142	1/4	37,756	1/4	48,527	1/4	59,298	1/4	70,060	1/4	80,794	1/4	91,569	1/4	102,343
1/2	5,851	1/2	16,648	1/2	27,360	1/2	37,980	1/2	48,751	1/2	59,522	1/2	70,283	1/2	81,018	1/2	91,793	1/2	102,567
3/4	6,076	3/4	16,873	3/4	27,579	3/4	38,204	3/4	48,975	3/4	59,746	3/4	70,506	3/4	81,243	3/4	92,017	3/4	102,792
10	6,300	10	17,098	10	27,798	10	38,429	10	49,200	10	59,971	10	70,729	10	81,467	10	92,242	10	103,016
1/4	6,525	1/4	17,323	1/4	28,016	1/4	38,653	1/4	49,424	1/4	60,195	1/4	70,952	1/4	81,692	1/4	92,466	1/4	103,241
1/2	6,749	1/2	17,548	1/2	28,235	1/2	38,878	1/2	49,649	1/2	60,420	1/2	71,175	1/2	81,916	1/2	92,691	1/2	103,465
3/4	6,974	3/4	17,773	3/4	28,453	3/4	39,102	3/4	49,873	3/4	60,644	3/4	71,398	3/4	82,141	3/4	92,915	3/4	103,690
11	7,199	11	17,998	11	28,672	11	39,326	11	50,097	11	60,868	11	71,622	11	82,365	11	93,140	11	103,914
1/4	7,424	1/4	18,223	1/4	28,890	1/4	39,551	1/4	50,322	1/4	61,093	1/4	71,845	1/4	82,590	1/4	93,364	1/4	104,139
1/2	7,649	1/2	18,448	1/2	29,109	1/2	39,775	1/2	50,546	1/2	61,317	1/2	72,068	1/2	82,814	1/2	93,589	1/2	104,363
3/4	7,874	3/4	18,673	3/4	29,328	3/4	40,000	3/4	50,771	3/4	61,542	3/4	72,291	3/4	83,039	3/4	93,813	3/4	104,587

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'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
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BARGE "CBC 1399"

1 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	104,812	0	114,922	0	124,391	0	133,817	0	143,228	0		0		0		0		0	
1/4	105,036	1/4	115,119	1/4	124,588	1/4	134,014	1/4	143,422	1/4		1/4		1/4		1/4		1/4	
1/2	105,260	1/2	115,317	1/2	124,784	1/2	134,211	1/2	143,617	1/2		1/2		1/2		1/2		1/2	
3/4	105,485	3/4	115,514	3/4	124,981	3/4	134,408	3/4	143,812	3/4		3/4		3/4		3/4		3/4	
1	105,709	1	115,711	1	125,178	1	134,604	1	144,006	1		1		1		1		1	
1/4	105,933	1/4	115,909	1/4	125,375	1/4	134,801	1/4	144,201	1/4		1/4		1/4		1/4		1/4	
1/2	106,157	1/2	116,106	1/2	125,571	1/2	134,998	1/2	144,396	1/2		1/2		1/2		1/2		1/2	
3/4	106,381	3/4	116,303	3/4	125,768	3/4	135,195	3/4	144,590	3/4		3/4		3/4		3/4		3/4	
2	106,606	2	116,500	2	125,965	2	135,391	2	144,785	2		2		2		2		2	
1/4	106,830	1/4	116,698	1/4	126,161	1/4	135,588	1/4	144,989	1/4		1/4		1/4		1/4		1/4	
1/2	107,054	1/2	116,895	1/2	126,358	1/2	135,785	1/2	145,192	1/2		1/2		1/2		1/2		1/2	
3/4	107,278	3/4	117,092	3/4	126,555	3/4	135,982	3/4	145,396	3/4		3/4		3/4		3/4		3/4	
3	107,503	3	117,289	3	126,752	3	136,178	3	145,599	3		3		3		3		3	
1/4	107,727	1/4	117,487	1/4	126,948	1/4	136,375	1/4	145,765	1/4		1/4		1/4		1/4		1/4	
1/2	107,951	1/2	117,684	1/2	127,145	1/2	136,572	1/2	145,931	1/2		1/2		1/2		1/2		1/2	
3/4	108,175	3/4	117,881	3/4	127,342	3/4	136,768	3/4	146,097	3/4		3/4		3/4		3/4		3/4	
4	108,399	4	118,078	4	127,539	4	136,965	4	146,264	4		4		4		4		4	
1/4	108,624	1/4	118,276	1/4	127,735	1/4	137,162	1/4	146,392	1/4		1/4		1/4		1/4		1/4	
1/2	108,848	1/2	118,473	1/2	127,932	1/2	137,359	1/2	146,521	1/2		1/2		1/2		1/2		1/2	
3/4	109,072	3/4	118,670	3/4	128,129	3/4	137,555	3/4	146,649	3/4		3/4		3/4		3/4		3/4	
5	109,296	5	118,867	5	128,326	5	137,752	5	146,778	5		5		5		5		5	
1/4	109,520	1/4	119,065	1/4	128,522	1/4	137,949	1/4	146,869	1/4		1/4		1/4		1/4		1/4	
1/2	109,745	1/2	119,262	1/2	128,719	1/2	138,146	1/2	146,960	1/2		1/2		1/2		1/2		1/2	
3/4	109,969	3/4	119,459	3/4	128,916	3/4	138,342	3/4	147,051	3/4		3/4		3/4		3/4		3/4	
6	110,193	6	119,657	6	129,113	6	138,539	6	147,142	6		6		6		6		6	
1/4	110,390	1/4	119,854	1/4	129,309	1/4	138,736	1/4	147,196	1/4		1/4		1/4		1/4		1/4	
1/2	110,587	1/2	120,051	1/2	129,505	1/2	138,933	1/2	147,249	1/2		1/2		1/2		1/2		1/2	
3/4	110,784	3/4	120,248	3/4	129,701	3/4	139,129	3/4	147,303	3/4		3/4		3/4		3/4		3/4	
7	110,981	7	120,446	7	129,897	7	139,326	7	147,357	7		7		7		7		7	
1/4	111,178	1/4	120,643	1/4	130,093	1/4	139,523	1/4	147,373	1/4		1/4		1/4		1/4		1/4	
1/2	111,375	1/2	120,840	1/2	130,289	1/2	139,720	1/2	147,389	1/2		1/2		1/2		1/2		1/2	
3/4	111,572	3/4	121,037	3/4	130,485	3/4	139,916	3/4	147,405	3/4		3/4		3/4		3/4		3/4	
8	111,769	8	121,235	8	130,681	8	140,113	8	147,421	8		8		8		8		8	
1/4	111,967	1/4	121,432	1/4	130,877	1/4	140,308	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,164	1/2	121,629	1/2	131,073	1/2	140,502	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,361	3/4	121,826	3/4	131,269	3/4	140,697	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,558	9	122,024	9	131,465	9	140,892	9		9		9		9		9		9	
1/4	112,755	1/4	122,221	1/4	131,661	1/4	141,086	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,952	1/2	122,418	1/2	131,857	1/2	141,281	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,149	3/4	122,615	3/4	132,053	3/4	141,476	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,346	10	122,813	10	132,249	10	141,670	10		10		10		10		10		10	
1/4	113,543	1/4	123,010	1/4	132,445	1/4	141,865	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,740	1/2	123,207	1/2	132,641	1/2	142,060	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,937	3/4	123,405	3/4	132,837	3/4	142,254	3/4		3/4		3/4		3/4		3/4		3/4	
11	114,134	11	123,602	11	133,033	11	142,449	11		11		11		11		11		11	
1/4	114,331	1/4	123,799	1/4	133,229	1/4	142,644	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,528	1/2	123,996	1/2	133,425	1/2	142,838	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,725	3/4	124,194	3/4	133,621	3/4	143,033	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/29/2017 CL
CALCULATED: 12/29/2017 CL
PRINTED: 12/29/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2017

PRECISION MEASUREMENT
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BARGE "CBC 1399"

2 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	9,062	0	21,151	0	33,092	0	45,035	0	57,124	0	69,213	0	81,302	0	93,391	0	105,478
1/4	60	1/4	9,314	1/4	21,402	1/4	33,337	1/4	45,286	1/4	57,376	1/4	69,465	1/4	81,554	1/4	93,643	1/4	105,730
1/2	81	1/2	9,566	1/2	21,654	1/2	33,581	1/2	45,538	1/2	57,627	1/2	69,717	1/2	81,806	1/2	93,895	1/2	105,982
3/4	102	3/4	9,817	3/4	21,906	3/4	33,826	3/4	45,790	3/4	57,879	3/4	69,968	3/4	82,058	3/4	94,147	3/4	106,234
1	123	1	10,069	1	22,158	1	34,070	1	46,042	1	58,131	1	70,220	1	82,309	1	94,398	1	106,486
1/4	186	1/4	10,321	1/4	22,410	1/4	34,315	1/4	46,294	1/4	58,383	1/4	70,472	1/4	82,561	1/4	94,650	1/4	106,737
1/2	249	1/2	10,573	1/2	22,662	1/2	34,559	1/2	46,546	1/2	58,635	1/2	70,724	1/2	82,813	1/2	94,902	1/2	106,989
3/4	312	3/4	10,825	3/4	22,914	3/4	34,803	3/4	46,798	3/4	58,887	3/4	70,976	3/4	83,065	3/4	95,154	3/4	107,241
2	375	2	11,077	2	23,165	2	35,048	2	47,049	2	59,139	2	71,228	2	83,317	2	95,406	2	107,493
1/4	480	1/4	11,328	1/4	23,417	1/4	35,292	1/4	47,301	1/4	59,390	1/4	71,480	1/4	83,569	1/4	95,658	1/4	107,745
1/2	585	1/2	11,580	1/2	23,669	1/2	35,537	1/2	47,553	1/2	59,642	1/2	71,731	1/2	83,821	1/2	95,909	1/2	107,996
3/4	690	3/4	11,832	3/4	23,921	3/4	35,781	3/4	47,805	3/4	59,894	3/4	71,983	3/4	84,072	3/4	96,161	3/4	108,248
3	795	3	12,084	3	24,173	3	36,026	3	48,057	3	60,146	3	72,235	3	84,324	3	96,413	3	108,500
1/4	942	1/4	12,336	1/4	24,425	1/4	36,270	1/4	48,309	1/4	60,398	1/4	72,487	1/4	84,576	1/4	96,665	1/4	108,752
1/2	1,089	1/2	12,588	1/2	24,676	1/2	36,514	1/2	48,561	1/2	60,650	1/2	72,739	1/2	84,828	1/2	96,917	1/2	109,004
3/4	1,236	3/4	12,840	3/4	24,928	3/4	36,759	3/4	48,812	3/4	60,902	3/4	72,991	3/4	85,080	3/4	97,168	3/4	109,256
4	1,382	4	13,091	4	25,180	4	37,003	4	49,064	4	61,153	4	73,243	4	85,332	4	97,420	4	109,507
1/4	1,571	1/4	13,343	1/4	25,432	1/4	37,248	1/4	49,316	1/4	61,405	1/4	73,494	1/4	85,584	1/4	97,672	1/4	109,759
1/2	1,760	1/2	13,595	1/2	25,684	1/2	37,493	1/2	49,568	1/2	61,657	1/2	73,746	1/2	85,835	1/2	97,924	1/2	110,011
3/4	1,949	3/4	13,847	3/4	25,936	3/4	37,738	3/4	49,820	3/4	61,909	3/4	73,998	3/4	86,087	3/4	98,176	3/4	110,263
5	2,138	5	14,099	5	26,188	5	37,982	5	50,072	5	62,161	5	74,250	5	86,339	5	98,428	5	110,515
1/4	2,368	1/4	14,351	1/4	26,439	1/4	38,234	1/4	50,324	1/4	62,413	1/4	74,502	1/4	86,591	1/4	98,679	1/4	110,766
1/2	2,598	1/2	14,603	1/2	26,691	1/2	38,486	1/2	50,575	1/2	62,665	1/2	74,754	1/2	86,843	1/2	98,931	1/2	111,018
3/4	2,829	3/4	14,854	3/4	26,943	3/4	38,738	3/4	50,827	3/4	62,916	3/4	75,006	3/4	87,095	3/4	99,183	3/4	111,270
6	3,059	6	15,106	6	27,195	6	38,990	6	51,079	6	63,168	6	75,257	6	87,347	6	99,435	6	111,522
1/4	3,306	1/4	15,358	1/4	27,447	1/4	39,242	1/4	51,331	1/4	63,420	1/4	75,509	1/4	87,599	1/4	99,687	1/4	111,774
1/2	3,552	1/2	15,610	1/2	27,699	1/2	39,494	1/2	51,583	1/2	63,672	1/2	75,761	1/2	87,850	1/2	99,938	1/2	112,026
3/4	3,799	3/4	15,862	3/4	27,950	3/4	39,746	3/4	51,835	3/4	63,924	3/4	76,013	3/4	88,102	3/4	100,190	3/4	112,277
7	4,046	7	16,114	7	28,202	7	39,997	7	52,087	7	64,176	7	76,265	7	88,354	7	100,442	7	112,529
1/4	4,295	1/4	16,365	1/4	28,447	1/4	40,249	1/4	52,338	1/4	64,428	1/4	76,517	1/4	88,606	1/4	100,694	1/4	112,781
1/2	4,544	1/2	16,617	1/2	28,692	1/2	40,501	1/2	52,590	1/2	64,679	1/2	76,769	1/2	88,858	1/2	100,946	1/2	113,033
3/4	4,793	3/4	16,869	3/4	28,937	3/4	40,753	3/4	52,842	3/4	64,931	3/4	77,020	3/4	89,110	3/4	101,197	3/4	113,285
8	5,042	8	17,121	8	29,181	8	41,005	8	53,094	8	65,183	8	77,272	8	89,362	8	101,449	8	113,536
1/4	5,293	1/4	17,373	1/4	29,426	1/4	41,257	1/4	53,346	1/4	65,435	1/4	77,524	1/4	89,613	1/4	101,701	1/4	113,788
1/2	5,543	1/2	17,625	1/2	29,670	1/2	41,509	1/2	53,598	1/2	65,687	1/2	77,776	1/2	89,865	1/2	101,953	1/2	114,040
3/4	5,793	3/4	17,877	3/4	29,915	3/4	41,760	3/4	53,850	3/4	65,939	3/4	78,028	3/4	90,117	3/4	102,205	3/4	114,292
9	6,043	9	18,128	9	30,159	9	42,012	9	54,101	9	66,191	9	78,280	9	90,369	9	102,457	9	114,544
1/4	6,295	1/4	18,380	1/4	30,404	1/4	42,264	1/4	54,353	1/4	66,442	1/4	78,532	1/4	90,621	1/4	102,708	1/4	114,795
1/2	6,546	1/2	18,632	1/2	30,648	1/2	42,516	1/2	54,605	1/2	66,694	1/2	78,783	1/2	90,873	1/2	102,960	1/2	115,047
3/4	6,797	3/4	18,884	3/4	30,893	3/4	42,768	3/4	54,857	3/4	66,946	3/4	79,035	3/4	91,125	3/4	103,212	3/4	115,299
10	7,048	10	19,136	10	31,137	10	43,020	10	55,109	10	67,198	10	79,287	10	91,376	10	103,464	10	115,551
1/4	7,300	1/4	19,388	1/4	31,381	1/4	43,272	1/4	55,361	1/4	67,450	1/4	79,539	1/4	91,628	1/4	103,716	1/4	115,803
1/2	7,551	1/2	19,639	1/2	31,626	1/2	43,523	1/2	55,613	1/2	67,702	1/2	79,791	1/2	91,880	1/2	103,967	1/2	116,055
3/4	7,803	3/4	19,891	3/4	31,870	3/4	43,775	3/4	55,864	3/4	67,954	3/4	80,043	3/4	92,132	3/4	104,219	3/4	116,306
11	8,055	11	20,143	11	32,115	11	44,027	11	56,116	11	68,205	11	80,295	11	92,384	11	104,471	11	116,558
1/4	8,306	1/4	20,395	1/4	32,359	1/4	44,279	1/4	56,368	1/4	68,457	1/4	80,546	1/4	92,636	1/4	104,723	1/4	116,810
1/2	8,558	1/2	20,647	1/2	32,604	1/2	44,531	1/2	56,620	1/2	68,709	1/2	80,798	1/2	92,888	1/2	104,975	1/2	117,062
3/4	8,810	3/4	20,899	3/4	32,848	3/4	44,783	3/4	56,872	3/4	68,961	3/4	81,050	3/4	93,139	3/4	105,227	3/4	117,314

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'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "CBC 1399"

2 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	117,565	0	129,653	0	141,740	0	153,760	0	165,742	0		0		0		0		0	
1/4	117,817	1/4	129,904	1/4	141,990	1/4	154,010	1/4	165,991	1/4		1/4		1/4		1/4		1/4	
1/2	118,069	1/2	130,156	1/2	142,240	1/2	154,260	1/2	166,239	1/2		1/2		1/2		1/2		1/2	
3/4	118,321	3/4	130,408	3/4	142,491	3/4	154,511	3/4	166,487	3/4		3/4		3/4		3/4		3/4	
1	118,573	1	130,660	1	142,741	1	154,761	1	166,735	1		1		1		1		1	
1/4	118,825	1/4	130,912	1/4	142,992	1/4	155,012	1/4	166,983	1/4		1/4		1/4		1/4		1/4	
1/2	119,076	1/2	131,163	1/2	143,242	1/2	155,262	1/2	167,231	1/2		1/2		1/2		1/2		1/2	
3/4	119,328	3/4	131,415	3/4	143,493	3/4	155,512	3/4	167,479	3/4		3/4		3/4		3/4		3/4	
2	119,580	2	131,667	2	143,743	2	155,763	2	167,727	2		2		2		2		2	
1/4	119,832	1/4	131,919	1/4	143,993	1/4	156,013	1/4	167,954	1/4		1/4		1/4		1/4		1/4	
1/2	120,084	1/2	132,171	1/2	144,244	1/2	156,264	1/2	168,181	1/2		1/2		1/2		1/2		1/2	
3/4	120,335	3/4	132,422	3/4	144,494	3/4	156,514	3/4	168,409	3/4		3/4		3/4		3/4		3/4	
3	120,587	3	132,674	3	144,745	3	156,765	3	168,636	3		3		3		3		3	
1/4	120,839	1/4	132,926	1/4	144,995	1/4	157,015	1/4	168,821	1/4		1/4		1/4		1/4		1/4	
1/2	121,091	1/2	133,178	1/2	145,245	1/2	157,265	1/2	169,006	1/2		1/2		1/2		1/2		1/2	
3/4	121,343	3/4	133,430	3/4	145,496	3/4	157,516	3/4	169,191	3/4		3/4		3/4		3/4		3/4	
4	121,594	4	133,682	4	145,746	4	157,766	4	169,376	4		4		4		4		4	
1/4	121,846	1/4	133,933	1/4	145,997	1/4	158,017	1/4	169,519	1/4		1/4		1/4		1/4		1/4	
1/2	122,098	1/2	134,185	1/2	146,247	1/2	158,267	1/2	169,663	1/2		1/2		1/2		1/2		1/2	
3/4	122,350	3/4	134,437	3/4	146,498	3/4	158,517	3/4	169,806	3/4		3/4		3/4		3/4		3/4	
5	122,602	5	134,689	5	146,748	5	158,768	5	169,949	5		5		5		5		5	
1/4	122,854	1/4	134,941	1/4	146,998	1/4	159,018	1/4	170,050	1/4		1/4		1/4		1/4		1/4	
1/2	123,105	1/2	135,192	1/2	147,249	1/2	159,269	1/2	170,151	1/2		1/2		1/2		1/2		1/2	
3/4	123,357	3/4	135,444	3/4	147,499	3/4	159,519	3/4	170,252	3/4		3/4		3/4		3/4		3/4	
6	123,609	6	135,696	6	147,750	6	159,769	6	170,354	6		6		6		6		6	
1/4	123,861	1/4	135,948	1/4	148,000	1/4	160,020	1/4	170,413	1/4		1/4		1/4		1/4		1/4	
1/2	124,113	1/2	136,200	1/2	148,250	1/2	160,270	1/2	170,472	1/2		1/2		1/2		1/2		1/2	
3/4	124,364	3/4	136,452	3/4	148,501	3/4	160,521	3/4	170,531	3/4		3/4		3/4		3/4		3/4	
7	124,616	7	136,703	7	148,751	7	160,771	7	170,590	7		7		7		7		7	
1/4	124,868	1/4	136,955	1/4	149,002	1/4	161,022	1/4	170,608	1/4		1/4		1/4		1/4		1/4	
1/2	125,120	1/2	137,207	1/2	149,252	1/2	161,272	1/2	170,625	1/2		1/2		1/2		1/2		1/2	
3/4	125,372	3/4	137,459	3/4	149,502	3/4	161,522	3/4	170,642	3/4		3/4		3/4		3/4		3/4	
8	125,624	8	137,711	8	149,753	8	161,773	8	170,659	8		8		8		8		8	
1/4	125,875	1/4	137,962	1/4	150,003	1/4	162,021	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,127	1/2	138,214	1/2	150,254	1/2	162,269	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,379	3/4	138,466	3/4	150,504	3/4	162,517	3/4		3/4		3/4		3/4		3/4		3/4	
9	126,631	9	138,718	9	150,755	9	162,765	9		9		9		9		9		9	
1/4	126,883	1/4	138,970	1/4	151,005	1/4	163,013	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,134	1/2	139,221	1/2	151,255	1/2	163,261	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,386	3/4	139,473	3/4	151,506	3/4	163,510	3/4		3/4		3/4		3/4		3/4		3/4	
10	127,638	10	139,725	10	151,756	10	163,758	10		10		10		10		10		10	
1/4	127,890	1/4	139,977	1/4	152,007	1/4	164,006	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,142	1/2	140,229	1/2	152,257	1/2	164,254	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,393	3/4	140,481	3/4	152,507	3/4	164,502	3/4		3/4		3/4		3/4		3/4		3/4	
11	128,645	11	140,732	11	152,758	11	164,750	11		11		11		11		11		11	
1/4	128,897	1/4	140,984	1/4	153,008	1/4	164,998	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	129,149	1/2	141,236	1/2	153,259	1/2	165,246	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	129,401	3/4	141,488	3/4	153,509	3/4	165,494	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/29/2017 CL
CALCULATED: 12/29/2017 CL
PRINTED: 12/29/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1399"

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	8,041	0	18,763	0	29,470	0	40,180	0	50,902	0	61,624	0	72,346	0	83,068	0	93,788
1/4	58	1/4	8,265	1/4	19,986	1/4	29,693	1/4	40,404	1/4	51,126	1/4	61,847	1/4	72,569	1/4	83,291	1/4	94,011
1/2	77	1/2	8,488	1/2	19,209	1/2	29,915	1/2	40,627	1/2	51,349	1/2	62,071	1/2	72,793	1/2	83,514	1/2	94,235
3/4	95	3/4	8,711	3/4	19,433	3/4	30,138	3/4	40,850	3/4	51,572	3/4	62,294	3/4	73,016	3/4	83,738	3/4	94,458
1	114	1	8,935	1	19,656	1	30,361	1	41,074	1	51,796	1	62,518	1	73,239	1	83,961	1	94,681
1/4	170	1/4	9,158	1/4	19,880	1/4	30,583	1/4	41,297	1/4	52,019	1/4	62,741	1/4	73,463	1/4	84,184	1/4	94,905
1/2	225	1/2	9,381	1/2	20,103	1/2	30,806	1/2	41,521	1/2	52,242	1/2	62,964	1/2	73,686	1/2	84,408	1/2	95,128
3/4	281	3/4	9,605	3/4	20,326	3/4	31,029	3/4	41,744	3/4	52,466	3/4	63,188	3/4	73,910	3/4	84,631	3/4	95,351
2	337	2	9,828	2	20,550	2	31,251	2	41,967	2	52,689	2	63,411	2	74,133	2	84,854	2	95,575
1/4	430	1/4	10,052	1/4	20,773	1/4	31,474	1/4	42,191	1/4	52,913	1/4	63,634	1/4	74,356	1/4	85,078	1/4	95,798
1/2	523	1/2	10,275	1/2	20,996	1/2	31,697	1/2	42,414	1/2	53,136	1/2	63,858	1/2	74,580	1/2	85,301	1/2	96,021
3/4	616	3/4	10,498	3/4	21,220	3/4	31,919	3/4	42,637	3/4	53,359	3/4	64,081	3/4	74,803	3/4	85,524	3/4	96,245
3	709	3	10,722	3	21,443	3	32,142	3	42,861	3	53,583	3	64,305	3	75,026	3	85,748	3	96,468
1/4	840	1/4	10,945	1/4	21,666	1/4	32,364	1/4	43,084	1/4	53,806	1/4	64,528	1/4	75,250	1/4	85,971	1/4	96,691
1/2	970	1/2	11,168	1/2	21,890	1/2	32,587	1/2	43,308	1/2	54,029	1/2	64,751	1/2	75,473	1/2	86,194	1/2	96,915
3/4	1,100	3/4	11,392	3/4	22,113	3/4	32,810	3/4	43,531	3/4	54,253	3/4	64,975	3/4	75,697	3/4	86,418	3/4	97,138
4	1,230	4	11,615	4	22,337	4	33,032	4	43,754	4	54,476	4	65,198	4	75,920	4	86,641	4	97,361
1/4	1,398	1/4	11,838	1/4	22,560	1/4	33,256	1/4	43,978	1/4	54,700	1/4	65,421	1/4	76,143	1/4	86,864	1/4	97,585
1/2	1,566	1/2	12,062	1/2	22,783	1/2	33,479	1/2	44,201	1/2	54,923	1/2	65,645	1/2	76,367	1/2	87,088	1/2	97,808
3/4	1,733	3/4	12,285	3/4	23,007	3/4	33,703	3/4	44,424	3/4	55,146	3/4	65,868	3/4	76,590	3/4	87,311	3/4	98,031
5	1,901	5	12,509	5	23,230	5	33,926	5	44,648	5	55,370	5	66,092	5	76,813	5	87,534	5	98,255
1/4	2,105	1/4	12,732	1/4	23,453	1/4	34,149	1/4	44,871	1/4	55,593	1/4	66,315	1/4	77,037	1/4	87,758	1/4	98,478
1/2	2,309	1/2	12,955	1/2	23,677	1/2	34,373	1/2	45,095	1/2	55,816	1/2	66,538	1/2	77,260	1/2	87,981	1/2	98,701
3/4	2,513	3/4	13,179	3/4	23,900	3/4	34,596	3/4	45,318	3/4	56,040	3/4	66,762	3/4	77,483	3/4	88,204	3/4	98,925
6	2,717	6	13,402	6	24,123	6	34,819	6	45,541	6	56,263	6	66,985	6	77,707	6	88,428	6	99,148
1/4	2,936	1/4	13,625	1/4	24,346	1/4	35,043	1/4	45,765	1/4	56,487	1/4	67,208	1/4	77,930	1/4	88,651	1/4	99,371
1/2	3,155	1/2	13,849	1/2	24,569	1/2	35,266	1/2	45,988	1/2	56,710	1/2	67,432	1/2	78,154	1/2	88,874	1/2	99,595
3/4	3,374	3/4	14,072	3/4	24,792	3/4	35,490	3/4	46,211	3/4	56,933	3/4	67,655	3/4	78,377	3/4	89,098	3/4	99,818
7	3,593	7	14,295	7	25,015	7	35,713	7	46,435	7	57,157	7	67,878	7	78,600	7	89,321	7	100,041
1/4	3,814	1/4	14,519	1/4	25,238	1/4	35,936	1/4	46,658	1/4	57,380	1/4	68,102	1/4	78,824	1/4	89,544	1/4	100,265
1/2	4,035	1/2	14,742	1/2	25,461	1/2	36,160	1/2	46,882	1/2	57,603	1/2	68,325	1/2	79,047	1/2	89,768	1/2	100,488
3/4	4,255	3/4	14,966	3/4	25,684	3/4	36,383	3/4	47,105	3/4	57,827	3/4	68,549	3/4	79,270	3/4	89,991	3/4	100,711
8	4,476	8	15,189	8	25,908	8	36,606	8	47,328	8	58,050	8	68,772	8	79,494	8	90,214	8	100,935
1/4	4,698	1/4	15,412	1/4	26,130	1/4	36,830	1/4	47,552	1/4	58,273	1/4	68,995	1/4	79,717	1/4	90,438	1/4	101,158
1/2	4,920	1/2	15,636	1/2	26,353	1/2	37,053	1/2	47,775	1/2	58,497	1/2	69,219	1/2	79,941	1/2	90,661	1/2	101,381
3/4	5,142	3/4	15,859	3/4	26,575	3/4	37,277	3/4	47,998	3/4	58,720	3/4	69,442	3/4	80,164	3/4	90,885	3/4	101,605
9	5,364	9	16,082	9	26,798	9	37,500	9	48,222	9	58,944	9	69,665	9	80,387	9	91,108	9	101,828
1/4	5,587	1/4	16,306	1/4	27,021	1/4	37,723	1/4	48,445	1/4	59,167	1/4	69,889	1/4	80,611	1/4	91,331	1/4	102,051
1/2	5,810	1/2	16,529	1/2	27,243	1/2	37,947	1/2	48,668	1/2	59,390	1/2	70,112	1/2	80,834	1/2	91,555	1/2	102,275
3/4	6,033	3/4	16,752	3/4	27,466	3/4	38,170	3/4	48,892	3/4	59,614	3/4	70,336	3/4	81,057	3/4	91,778	3/4	102,498
10	6,255	10	16,976	10	27,689	10	38,393	10	49,115	10	59,837	10	70,559	10	81,281	10	92,001	10	102,721
1/4	6,478	1/4	17,199	1/4	27,911	1/4	38,617	1/4	49,339	1/4	60,060	1/4	70,782	1/4	81,504	1/4	92,225	1/4	102,945
1/2	6,702	1/2	17,423	1/2	28,134	1/2	38,840	1/2	49,562	1/2	60,284	1/2	71,006	1/2	81,728	1/2	92,448	1/2	103,168
3/4	6,925	3/4	17,646	3/4	28,357	3/4	39,063	3/4	49,785	3/4	60,507	3/4	71,229	3/4	81,951	3/4	92,671	3/4	103,391
11	7,148	11	17,869	11	28,579	11	39,287	11	50,009	11	60,731	11	71,452	11	82,174	11	92,895	11	103,615
1/4	7,371	1/4	18,093	1/4	28,802	1/4	39,510	1/4	50,232	1/4	60,954	1/4	71,676	1/4	82,398	1/4	93,118	1/4	103,838
1/2	7,595	1/2	18,316	1/2	29,025	1/2	39,734	1/2	50,455	1/2	61,177	1/2	71,899	1/2	82,621	1/2	93,341	1/2	104,061
3/4	7,818	3/4	18,539	3/4	29,247	3/4	39,957	3/4	50,679	3/4	61,401	3/4	72,123	3/4	82,844	3/4	93,565	3/4	104,285

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 1399"

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	104,508	0	115,228	0	125,948	0	136,609	0	147,238	0		0		0		0		0	
1/4	104,731	1/4	115,451	1/4	126,170	1/4	136,831	1/4	147,458	1/4		1/4		1/4		1/4		1/4	
1/2	104,955	1/2	115,675	1/2	126,392	1/2	137,053	1/2	147,678	1/2		1/2		1/2		1/2		1/2	
3/4	105,178	3/4	115,898	3/4	126,614	3/4	137,276	3/4	147,898	3/4		3/4		3/4		3/4		3/4	
1	105,401	1	116,121	1	126,836	1	137,498	1	148,118	1		1		1		1		1	
1/4	105,625	1/4	116,345	1/4	127,059	1/4	137,720	1/4	148,338	1/4		1/4		1/4		1/4		1/4	
1/2	105,848	1/2	116,568	1/2	127,281	1/2	137,942	1/2	148,558	1/2		1/2		1/2		1/2		1/2	
3/4	106,071	3/4	116,791	3/4	127,503	3/4	138,164	3/4	148,778	3/4		3/4		3/4		3/4		3/4	
2	106,295	2	117,015	2	127,725	2	138,386	2	148,998	2		2		2		2		2	
1/4	106,518	1/4	117,238	1/4	127,947	1/4	138,608	1/4	149,200	1/4		1/4		1/4		1/4		1/4	
1/2	106,741	1/2	117,461	1/2	128,169	1/2	138,830	1/2	149,401	1/2		1/2		1/2		1/2		1/2	
3/4	106,965	3/4	117,685	3/4	128,391	3/4	139,052	3/4	149,602	3/4		3/4		3/4		3/4		3/4	
3	107,188	3	117,908	3	128,613	3	139,275	3	149,804	3		3		3		3		3	
1/4	107,411	1/4	118,131	1/4	128,835	1/4	139,497	1/4	149,968	1/4		1/4		1/4		1/4		1/4	
1/2	107,635	1/2	118,355	1/2	129,058	1/2	139,719	1/2	150,132	1/2		1/2		1/2		1/2		1/2	
3/4	107,858	3/4	118,578	3/4	129,280	3/4	139,941	3/4	150,297	3/4		3/4		3/4		3/4		3/4	
4	108,081	4	118,801	4	129,502	4	140,163	4	150,461	4		4		4		4		4	
1/4	108,305	1/4	119,025	1/4	129,724	1/4	140,385	1/4	150,588	1/4		1/4		1/4		1/4		1/4	
1/2	108,528	1/2	119,248	1/2	129,946	1/2	140,607	1/2	150,715	1/2		1/2		1/2		1/2		1/2	
3/4	108,751	3/4	119,471	3/4	130,168	3/4	140,829	3/4	150,842	3/4		3/4		3/4		3/4		3/4	
5	108,975	5	119,695	5	130,390	5	141,051	5	150,969	5		5		5		5		5	
1/4	109,198	1/4	119,918	1/4	130,612	1/4	141,274	1/4	151,058	1/4		1/4		1/4		1/4		1/4	
1/2	109,421	1/2	120,141	1/2	130,834	1/2	141,496	1/2	151,148	1/2		1/2		1/2		1/2		1/2	
3/4	109,645	3/4	120,365	3/4	131,057	3/4	141,718	3/4	151,238	3/4		3/4		3/4		3/4		3/4	
6	109,868	6	120,588	6	131,279	6	141,940	6	151,328	6		6		6		6		6	
1/4	110,091	1/4	120,811	1/4	131,501	1/4	142,162	1/4	151,380	1/4		1/4		1/4		1/4		1/4	
1/2	110,315	1/2	121,035	1/2	131,723	1/2	142,384	1/2	151,433	1/2		1/2		1/2		1/2		1/2	
3/4	110,538	3/4	121,258	3/4	131,945	3/4	142,606	3/4	151,485	3/4		3/4		3/4		3/4		3/4	
7	110,761	7	121,481	7	132,167	7	142,828	7	151,538	7		7		7		7		7	
1/4	110,985	1/4	121,705	1/4	132,389	1/4	143,050	1/4	151,553	1/4		1/4		1/4		1/4		1/4	
1/2	111,208	1/2	121,928	1/2	132,611	1/2	143,273	1/2	151,568	1/2		1/2		1/2		1/2		1/2	
3/4	111,431	3/4	122,151	3/4	132,833	3/4	143,495	3/4	151,584	3/4		3/4		3/4		3/4		3/4	
8	111,655	8	122,375	8	133,056	8	143,717	8	151,599	8		8		8		8		8	
1/4	111,878	1/4	122,598	1/4	133,278	1/4	143,937	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,101	1/2	122,821	1/2	133,500	1/2	144,157	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,325	3/4	123,045	3/4	133,722	3/4	144,377	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,548	9	123,268	9	133,944	9	144,597	9		9		9		9		9		9	
1/4	112,771	1/4	123,491	1/4	134,166	1/4	144,817	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,995	1/2	123,715	1/2	134,388	1/2	145,037	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,218	3/4	123,938	3/4	134,610	3/4	145,257	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,441	10	124,161	10	134,832	10	145,477	10		10		10		10		10		10	
1/4	113,665	1/4	124,385	1/4	135,054	1/4	145,697	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,888	1/2	124,608	1/2	135,277	1/2	145,917	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,111	3/4	124,831	3/4	135,499	3/4	146,137	3/4		3/4		3/4		3/4		3/4		3/4	
11	114,335	11	125,055	11	135,721	11	146,357	11		11		11		11		11		11	
1/4	114,558	1/4	125,278	1/4	135,943	1/4	146,578	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,781	1/2	125,501	1/2	136,165	1/2	146,798	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,005	3/4	125,725	3/4	136,387	3/4	147,018	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/29/2017 CL
CALCULATED: 12/29/2017 CL
PRINTED: 12/29/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2017

PRECISION MEASUREMENT
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BARGE "CBC 1399"

ULLAGE TRIM TABLE

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

(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 3'-11 1/2"

LENGTH BETWEEN DRAFT MARKS: 161'-09"

December 29, 2017

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588

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BARGE "CBC 1399"

1 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	140,892	0	131,465	0	122,024	0	112,558	0	102,118	0	91,344	0	80,569
1/4		1/4		1/4		1/4	140,697	1/4	131,269	1/4	121,826	1/4	112,361	1/4	101,894	1/4	91,120	1/4	80,345
1/2		1/2		1/2		1/2	140,502	1/2	131,073	1/2	121,629	1/2	112,164	1/2	101,669	1/2	90,895	1/2	80,120
3/4		3/4		3/4		3/4	140,308	3/4	130,877	3/4	121,432	3/4	111,967	3/4	101,445	3/4	90,671	3/4	79,896
1		1		1		1	147,421	1	140,113	1	130,681	1	121,235	1	111,769	1	101,220	1	90,446
1/4		1/4		1/4		1/4	147,405	1/4	139,916	1/4	130,485	1/4	121,037	1/4	111,572	1/4	100,996	1/4	90,222
1/2		1/2		1/2		1/2	147,389	1/2	139,720	1/2	130,289	1/2	120,840	1/2	111,375	1/2	100,772	1/2	89,997
3/4		3/4		3/4		3/4	147,373	3/4	139,523	3/4	130,093	3/4	120,643	3/4	111,178	3/4	100,547	3/4	89,773
2		2		2		2	147,357	2	139,326	2	129,897	2	120,446	2	110,981	2	100,323	2	89,548
1/4		1/4		1/4		1/4	147,303	1/4	139,129	1/4	129,701	1/4	120,248	1/4	110,784	1/4	100,098	1/4	89,324
1/2		1/2		1/2		1/2	147,249	1/2	138,933	1/2	129,505	1/2	120,051	1/2	110,587	1/2	99,874	1/2	89,099
3/4		3/4		3/4		3/4	147,196	3/4	138,736	3/4	129,309	3/4	119,854	3/4	110,390	3/4	99,649	3/4	88,875
3		3		3		3	147,142	3	138,539	3	129,113	3	119,657	3	110,193	3	99,425	3	88,650
1/4		1/4		1/4		1/4	147,051	1/4	138,342	1/4	128,916	1/4	119,459	1/4	109,969	1/4	99,200	1/4	88,426
1/2		1/2		1/2		1/2	146,960	1/2	138,146	1/2	128,719	1/2	119,262	1/2	109,745	1/2	98,976	1/2	88,202
3/4		3/4		3/4		3/4	146,869	3/4	137,949	3/4	128,522	3/4	119,065	3/4	109,520	3/4	98,751	3/4	87,977
4		4		4		4	146,778	4	137,752	4	128,326	4	118,867	4	109,296	4	98,527	4	87,753
1/4		1/4		1/4		1/4	146,649	1/4	137,555	1/4	128,129	1/4	118,670	1/4	109,072	1/4	98,302	1/4	87,528
1/2		1/2		1/2		1/2	146,521	1/2	137,359	1/2	127,932	1/2	118,473	1/2	108,848	1/2	98,078	1/2	87,304
3/4		3/4		3/4		3/4	146,392	3/4	137,162	3/4	127,735	3/4	118,276	3/4	108,624	3/4	97,854	3/4	87,079
5		5		5		5	146,264	5	136,965	5	127,539	5	118,078	5	108,399	5	97,629	5	86,855
1/4		1/4		1/4		1/4	146,097	1/4	136,768	1/4	127,342	1/4	117,881	1/4	108,175	1/4	97,405	1/4	86,630
1/2		1/2		1/2		1/2	145,931	1/2	136,572	1/2	127,145	1/2	117,684	1/2	107,951	1/2	97,180	1/2	86,406
3/4		3/4		3/4		3/4	145,765	3/4	136,375	3/4	126,948	3/4	117,487	3/4	107,727	3/4	96,956	3/4	86,181
6		6		6		6	145,599	6	136,178	6	126,752	6	117,289	6	107,503	6	96,731	6	85,957
1/4		1/4		1/4		1/4	145,396	1/4	135,982	1/4	126,555	1/4	117,092	1/4	107,278	1/4	96,507	1/4	85,732
1/2		1/2		1/2		1/2	145,192	1/2	135,785	1/2	126,358	1/2	116,895	1/2	107,054	1/2	96,282	1/2	85,508
3/4		3/4		3/4		3/4	144,989	3/4	135,588	3/4	126,161	3/4	116,698	3/4	106,830	3/4	96,058	3/4	85,284
7		7		7		7	144,785	7	135,391	7	125,965	7	116,500	7	106,606	7	95,833	7	85,059
1/4		1/4		1/4		1/4	144,590	1/4	135,195	1/4	125,768	1/4	116,303	1/4	106,381	1/4	95,609	1/4	84,835
1/2		1/2		1/2		1/2	144,396	1/2	134,998	1/2	125,571	1/2	116,106	1/2	106,157	1/2	95,384	1/2	84,610
3/4		3/4		3/4		3/4	144,201	3/4	134,801	3/4	125,375	3/4	115,909	3/4	105,933	3/4	95,160	3/4	84,386
8		8		8		8	144,006	8	134,604	8	125,178	8	115,711	8	105,709	8	94,935	8	84,161
1/4		1/4		1/4		1/4	143,812	1/4	134,408	1/4	124,981	1/4	115,514	1/4	105,485	1/4	94,711	1/4	83,937
1/2		1/2		1/2		1/2	143,617	1/2	134,211	1/2	124,784	1/2	115,317	1/2	105,260	1/2	94,487	1/2	83,712
3/4		3/4		3/4		3/4	143,422	3/4	134,014	3/4	124,588	3/4	115,119	3/4	105,036	3/4	94,262	3/4	83,488
9		9		9		9	143,228	9	133,817	9	124,391	9	114,922	9	104,812	9	94,038	9	83,263
1/4		1/4		1/4		1/4	143,033	1/4	133,621	1/4	124,194	1/4	114,725	1/4	104,587	1/4	93,813	1/4	83,039
1/2		1/2		1/2		1/2	142,838	1/2	133,425	1/2	123,996	1/2	114,528	1/2	104,363	1/2	93,589	1/2	82,814
3/4		3/4		3/4		3/4	142,644	3/4	133,229	3/4	123,799	3/4	114,331	3/4	104,139	3/4	93,364	3/4	82,590
10		10		10		10	142,449	10	133,033	10	123,602	10	114,134	10	103,914	10	93,140	10	82,365
1/4		1/4		1/4		1/4	142,254	1/4	132,837	1/4	123,405	1/4	113,937	1/4	103,690	1/4	92,915	1/4	82,141
1/2		1/2		1/2		1/2	142,060	1/2	132,641	1/2	123,207	1/2	113,740	1/2	103,465	1/2	92,691	1/2	81,916
3/4		3/4		3/4		3/4	141,865	3/4	132,445	3/4	123,010	3/4	113,543	3/4	103,241	3/4	92,466	3/4	81,692
11		11		11		11	141,670	11	132,249	11	122,813	11	113,346	11	103,016	11	92,242	11	81,467
1/4		1/4		1/4		1/4	141,476	1/4	132,053	1/4	122,615	1/4	113,149	1/4	102,792	1/4	92,017	1/4	81,243
1/2		1/2		1/2		1/2	141,281	1/2	131,857	1/2	122,418	1/2	112,952	1/2	102,567	1/2	91,793	1/2	81,018
3/4		3/4		3/4		3/4	141,086	3/4	131,661	3/4	122,221	3/4	112,755	3/4	102,343	3/4	91,569	3/4	80,794

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 29'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
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BARGE "CBC 1399"

1 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	69,837	0	59,073	0	48,302	0	37,531	0	26,923	0	16,198	0	5,403	0		0			
1/4	69,613	1/4	58,849	1/4	48,078	1/4	37,307	1/4	26,705	1/4	15,973	1/4	5,179	1/4		0			
1/2	69,390	1/2	58,624	1/2	47,853	1/2	37,083	1/2	26,486	1/2	15,748	1/2	4,955	1/2		0			
3/4	69,166	3/4	58,400	3/4	47,629	3/4	36,858	3/4	26,268	3/4	15,523	3/4	4,732	3/4		0			
1	68,942	1	58,176	1	47,405	1	36,634	1	26,049	1	15,298	1	4,508	1		1			
1/4	68,718	1/4	57,951	1/4	47,180	1/4	36,409	1/4	25,830	1/4	15,073	1/4	4,286	1/4		1			
1/2	68,494	1/2	57,727	1/2	46,956	1/2	36,185	1/2	25,611	1/2	14,848	1/2	4,063	1/2		1			
3/4	68,271	3/4	57,502	3/4	46,732	3/4	35,961	3/4	25,392	3/4	14,623	3/4	3,841	3/4		1			
2	68,047	2	57,278	2	46,507	2	35,736	2	25,173	2	14,398	2	3,618	2		2			
1/4	67,823	1/4	57,054	1/4	46,283	1/4	35,512	1/4	24,954	1/4	14,173	1/4	3,398	1/4		2			
1/2	67,599	1/2	56,829	1/2	46,058	1/2	35,287	1/2	24,735	1/2	13,948	1/2	3,177	1/2		2			
3/4	67,375	3/4	56,605	3/4	45,834	3/4	35,063	3/4	24,516	3/4	13,723	3/4	2,957	3/4		2			
3	67,151	3	56,381	3	45,610	3	34,839	3	24,297	3	13,498	3	2,736	3		3			
1/4	66,927	1/4	56,156	1/4	45,385	1/4	34,614	1/4	24,072	1/4	13,273	1/4	2,531	1/4		3			
1/2	66,703	1/2	55,932	1/2	45,161	1/2	34,390	1/2	23,847	1/2	13,048	1/2	2,325	1/2		3			
3/4	66,478	3/4	55,707	3/4	44,936	3/4	34,165	3/4	23,622	3/4	12,823	3/4	2,119	3/4		3			
4	66,254	4	55,483	4	44,712	4	33,941	4	23,397	4	12,598	4	1,914	4		4			
1/4	66,030	1/4	55,259	1/4	44,488	1/4	33,717	1/4	23,172	1/4	12,373	1/4	1,745	1/4		4			
1/2	65,805	1/2	55,034	1/2	44,263	1/2	33,492	1/2	22,947	1/2	12,148	1/2	1,576	1/2		4			
3/4	65,581	3/4	54,810	3/4	44,039	3/4	33,268	3/4	22,722	3/4	11,923	3/4	1,408	3/4		4			
5	65,356	5	54,585	5	43,814	5	33,043	5	22,497	5	11,698	5	1,239	5		5			
1/4	65,132	1/4	54,361	1/4	43,590	1/4	32,825	1/4	22,272	1/4	11,474	1/4	1,108	1/4		5			
1/2	64,908	1/2	54,137	1/2	43,366	1/2	32,606	1/2	22,047	1/2	11,249	1/2	977	1/2		5			
3/4	64,683	3/4	53,912	3/4	43,141	3/4	32,388	3/4	21,822	3/4	11,024	3/4	845	3/4		5			
6	64,459	6	53,688	6	42,917	6	32,169	6	21,597	6	10,799	6	714	6		6			
1/4	64,234	1/4	53,463	1/4	42,692	1/4	31,951	1/4	21,373	1/4	10,574	1/4	621	1/4		6			
1/2	64,010	1/2	53,239	1/2	42,468	1/2	31,732	1/2	21,148	1/2	10,349	1/2	527	1/2		6			
3/4	63,786	3/4	53,015	3/4	42,244	3/4	31,513	3/4	20,923	3/4	10,124	3/4	433	3/4		6			
7	63,561	7	52,790	7	42,019	7	31,295	7	20,698	7	9,899	7	339	7		7			
1/4	63,337	1/4	52,566	1/4	41,795	1/4	31,076	1/4	20,473	1/4	9,674	1/4	283	1/4		7			
1/2	63,112	1/2	52,341	1/2	41,570	1/2	30,858	1/2	20,248	1/2	9,449	1/2	227	1/2		7			
3/4	62,888	3/4	52,117	3/4	41,346	3/4	30,639	3/4	20,023	3/4	9,224	3/4	171	3/4		7			
8	62,664	8	51,893	8	41,122	8	30,420	8	19,798	8	8,999	8	114	8		8			
1/4	62,439	1/4	51,668	1/4	40,897	1/4	30,202	1/4	19,573	1/4	8,774	1/4	96	1/4		8			
1/2	62,215	1/2	51,444	1/2	40,673	1/2	29,983	1/2	19,348	1/2	8,549	1/2	77	1/2		8			
3/4	61,990	3/4	51,219	3/4	40,448	3/4	29,765	3/4	19,123	3/4	8,324	3/4	58	3/4		8			
9	61,766	9	50,995	9	40,224	9	29,546	9	18,998	9	8,099	9	39	9		9			
1/4	61,542	1/4	50,771	1/4	40,000	1/4	29,328	1/4	18,773	1/4	7,874	1/4		1/4		9			
1/2	61,317	1/2	50,546	1/2	39,775	1/2	29,109	1/2	18,448	1/2	7,649	1/2		1/2		9			
3/4	61,093	3/4	50,322	3/4	39,551	3/4	28,890	3/4	18,223	3/4	7,424	3/4		3/4		9			
10	60,868	10	50,097	10	39,326	10	28,672	10	17,998	10	7,199	10		10		10			
1/4	60,644	1/4	49,873	1/4	39,102	1/4	28,453	1/4	17,773	1/4	6,974	1/4		1/4		10			
1/2	60,420	1/2	49,649	1/2	38,878	1/2	28,235	1/2	17,548	1/2	6,749	1/2		1/2		10			
3/4	60,195	3/4	49,424	3/4	38,653	3/4	28,016	3/4	17,323	3/4	6,525	3/4		3/4		10			
11	59,971	11	49,200	11	38,429	11	27,798	11	17,098	11	6,300	11		11		11			
1/4	59,746	1/4	48,975	1/4	38,204	1/4	27,579	1/4	16,873	1/4	6,076	1/4		1/4		11			
1/2	59,522	1/2	48,751	1/2	37,980	1/2	27,360	1/2	16,648	1/2	5,851	1/2		1/2		11			
3/4	59,298	3/4	48,527	3/4	37,756	3/4	27,142	3/4	16,423	3/4	5,627	3/4		3/4		11			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/29/2017 CL
 CALCULATED: 12/29/2017 CL
 PRINTED: 12/29/2017 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 12/2017

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "CBC 1399"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-09"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	0	0	0	0	0	162,765	0	150,755	0	138,718	0	126,631	0	114,544	0	102,457	0	90,369	
1/4		1/4		1/4		162,517	1/4	150,504	1/4	138,466	1/4	126,379	1/4	114,292	1/4	102,205	1/4	90,117	
1/2		1/2		1/2		162,269	1/2	150,254	1/2	138,214	1/2	126,127	1/2	114,040	1/2	101,953	1/2	89,865	
3/4		3/4		3/4		162,021	3/4	150,003	3/4	137,962	3/4	125,875	3/4	113,788	3/4	101,701	3/4	89,613	
1	1	1	1	170,659	1	161,773	1	149,753	1	137,711	1	125,624	1	113,536	1	101,449	1	89,362	
1/4		1/4		170,642	1/4	161,522	1/4	149,502	1/4	137,459	1/4	125,372	1/4	113,285	1/4	101,197	1/4	89,110	
1/2		1/2		170,625	1/2	161,272	1/2	149,252	1/2	137,207	1/2	125,120	1/2	113,033	1/2	100,946	1/2	88,858	
3/4		3/4		170,608	3/4	161,022	3/4	149,002	3/4	136,955	3/4	124,868	3/4	112,781	3/4	100,694	3/4	88,606	
2	2	2	2	170,590	2	160,771	2	148,751	2	136,703	2	124,616	2	112,529	2	100,442	2	88,354	
1/4		1/4		170,531	1/4	160,521	1/4	148,501	1/4	136,452	1/4	124,364	1/4	112,277	1/4	100,190	1/4	88,102	
1/2		1/2		170,472	1/2	160,270	1/2	148,250	1/2	136,200	1/2	124,113	1/2	112,026	1/2	99,938	1/2	87,850	
3/4		3/4		170,413	3/4	160,020	3/4	148,000	3/4	135,948	3/4	123,861	3/4	111,774	3/4	99,687	3/4	87,599	
3	3	3	3	170,354	3	159,769	3	147,750	3	135,696	3	123,609	3	111,522	3	99,435	3	87,347	
1/4		1/4		170,252	1/4	159,519	1/4	147,499	1/4	135,444	1/4	123,357	1/4	111,270	1/4	99,183	1/4	87,095	
1/2		1/2		170,151	1/2	159,269	1/2	147,249	1/2	135,192	1/2	123,105	1/2	111,018	1/2	98,931	1/2	86,843	
3/4		3/4		170,050	3/4	159,018	3/4	146,998	3/4	134,941	3/4	122,854	3/4	110,766	3/4	98,679	3/4	86,591	
4	4	4	4	169,949	4	158,768	4	146,748	4	134,689	4	122,602	4	110,515	4	98,428	4	86,339	
1/4		1/4		169,806	1/4	158,517	1/4	146,498	1/4	134,437	1/4	122,350	1/4	110,263	1/4	98,176	1/4	86,087	
1/2		1/2		169,663	1/2	158,267	1/2	146,247	1/2	134,185	1/2	122,098	1/2	110,011	1/2	97,924	1/2	85,835	
3/4		3/4		169,519	3/4	158,017	3/4	145,997	3/4	133,933	3/4	121,846	3/4	109,759	3/4	97,672	3/4	85,584	
5	5	5	5	169,376	5	157,766	5	145,746	5	133,682	5	121,594	5	109,507	5	97,420	5	85,332	
1/4		1/4		169,191	1/4	157,516	1/4	145,496	1/4	133,430	1/4	121,343	1/4	109,256	1/4	97,168	1/4	85,080	
1/2		1/2		169,006	1/2	157,265	1/2	145,245	1/2	133,178	1/2	121,091	1/2	109,004	1/2	96,917	1/2	84,828	
3/4		3/4		168,821	3/4	157,015	3/4	144,995	3/4	132,926	3/4	120,839	3/4	108,752	3/4	96,665	3/4	84,576	
6	6	6	6	168,636	6	156,765	6	144,745	6	132,674	6	120,587	6	108,500	6	96,413	6	84,324	
1/4		1/4		168,409	1/4	156,514	1/4	144,494	1/4	132,422	1/4	120,335	1/4	108,248	1/4	96,161	1/4	84,072	
1/2		1/2		168,181	1/2	156,264	1/2	144,244	1/2	132,171	1/2	120,084	1/2	107,996	1/2	95,909	1/2	83,821	
3/4		3/4		167,954	3/4	156,013	3/4	143,993	3/4	131,919	3/4	119,832	3/4	107,745	3/4	95,658	3/4	83,569	
7	7	7	7	167,727	7	155,763	7	143,743	7	131,667	7	119,580	7	107,493	7	95,406	7	83,317	
1/4		1/4		167,479	1/4	155,512	1/4	143,493	1/4	131,415	1/4	119,328	1/4	107,241	1/4	95,154	1/4	83,065	
1/2		1/2		167,231	1/2	155,262	1/2	143,242	1/2	131,163	1/2	119,076	1/2	106,989	1/2	94,902	1/2	82,813	
3/4		3/4		166,983	3/4	155,012	3/4	142,992	3/4	130,912	3/4	118,825	3/4	106,737	3/4	94,650	3/4	82,561	
8	8	8	8	166,735	8	154,761	8	142,741	8	130,660	8	118,573	8	106,486	8	94,398	8	82,309	
1/4		1/4		166,487	1/4	154,511	1/4	142,491	1/4	130,408	1/4	118,321	1/4	106,234	1/4	94,147	1/4	82,058	
1/2		1/2		166,239	1/2	154,260	1/2	142,240	1/2	130,156	1/2	118,069	1/2	105,982	1/2	93,895	1/2	81,806	
3/4		3/4		165,991	3/4	154,010	3/4	141,990	3/4	129,904	3/4	117,817	3/4	105,730	3/4	93,643	3/4	81,554	
9	9	9	9	165,742	9	153,760	9	141,740	9	129,653	9	117,565	9	105,478	9	93,391	9	81,302	
1/4		1/4		165,494	1/4	153,509	1/4	141,488	1/4	129,401	1/4	117,314	1/4	105,227	1/4	93,139	1/4	81,050	
1/2		1/2		165,246	1/2	153,259	1/2	141,236	1/2	129,149	1/2	117,062	1/2	104,975	1/2	92,888	1/2	80,798	
3/4		3/4		164,998	3/4	153,008	3/4	140,984	3/4	128,897	3/4	116,810	3/4	104,723	3/4	92,636	3/4	80,546	
10	10	10	10	164,750	10	152,758	10	140,732	10	128,645	10	116,558	10	104,471	10	92,384	10	80,295	
1/4		1/4		164,502	1/4	152,507	1/4	140,481	1/4	128,393	1/4	116,306	1/4	104,219	1/4	92,132	1/4	80,043	
1/2		1/2		164,254	1/2	152,257	1/2	140,229	1/2	128,142	1/2	116,055	1/2	103,967	1/2	91,880	1/2	79,791	
3/4		3/4		164,006	3/4	152,007	3/4	139,977	3/4	127,890	3/4	115,803	3/4	103,716	3/4	91,628	3/4	79,539	
11	11	11	11	163,758	11	151,756	11	139,725	11	127,638	11	115,551	11	103,464	11	91,376	11	79,287	
1/4		1/4		163,510	1/4	151,506	1/4	139,473	1/4	127,386	1/4	115,299	1/4	103,212	1/4	91,125	1/4	79,035	
1/2		1/2		163,261	1/2	151,255	1/2	139,221	1/2	127,134	1/2	115,047	1/2	102,960	1/2	90,873	1/2	78,783	
3/4		3/4		163,013	3/4	151,005	3/4	138,970	3/4	126,883	3/4	114,795	3/4	102,708	3/4	90,621	3/4	78,532	

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 29'-06" FORWARD OF AFT BULKHEAD

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



BARGE "CBC 1399"

2 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	78,280	0	66,191	0	54,101	0	42,012	0	30,159	0	18,128	0	6,043	0		0		0	
1/4	78,028	1/4	65,939	1/4	53,850	1/4	41,760	1/4	29,915	1/4	17,877	1/4	5,793	1/4		1/4		1/4	
1/2	77,776	1/2	65,687	1/2	53,598	1/2	41,509	1/2	29,670	1/2	17,625	1/2	5,543	1/2		1/2		1/2	
3/4	77,524	3/4	65,435	3/4	53,346	3/4	41,257	3/4	29,426	3/4	17,373	3/4	5,293	3/4		3/4		3/4	
1	77,272	1	65,183	1	53,094	1	41,005	1	29,181	1	17,121	1	5,042	1		1		1	
1/4	77,020	1/4	64,931	1/4	52,842	1/4	40,753	1/4	28,937	1/4	16,869	1/4	4,793	1/4		1/4		1/4	
1/2	76,769	1/2	64,679	1/2	52,590	1/2	40,501	1/2	28,692	1/2	16,617	1/2	4,544	1/2		1/2		1/2	
3/4	76,517	3/4	64,428	3/4	52,338	3/4	40,249	3/4	28,447	3/4	16,365	3/4	4,295	3/4		3/4		3/4	
2	76,265	2	64,176	2	52,087	2	39,997	2	28,202	2	16,114	2	4,046	2		2		2	
1/4	76,013	1/4	63,924	1/4	51,835	1/4	39,746	1/4	27,950	1/4	15,862	1/4	3,799	1/4		1/4		1/4	
1/2	75,761	1/2	63,672	1/2	51,583	1/2	39,494	1/2	27,699	1/2	15,610	1/2	3,552	1/2		1/2		1/2	
3/4	75,509	3/4	63,420	3/4	51,331	3/4	39,242	3/4	27,447	3/4	15,358	3/4	3,306	3/4		3/4		3/4	
3	75,257	3	63,168	3	51,079	3	38,990	3	27,195	3	15,106	3	3,059	3		3		3	
1/4	75,006	1/4	62,916	1/4	50,827	1/4	38,738	1/4	26,943	1/4	14,854	1/4	2,829	1/4		1/4		1/4	
1/2	74,754	1/2	62,665	1/2	50,575	1/2	38,486	1/2	26,691	1/2	14,603	1/2	2,598	1/2		1/2		1/2	
3/4	74,502	3/4	62,413	3/4	50,324	3/4	38,234	3/4	26,439	3/4	14,351	3/4	2,368	3/4		3/4		3/4	
4	74,250	4	62,161	4	50,072	4	37,982	4	26,188	4	14,099	4	2,138	4		4		4	
1/4	73,998	1/4	61,909	1/4	49,820	1/4	37,738	1/4	25,936	1/4	13,847	1/4	1,949	1/4		1/4		1/4	
1/2	73,746	1/2	61,657	1/2	49,568	1/2	37,493	1/2	25,684	1/2	13,595	1/2	1,760	1/2		1/2		1/2	
3/4	73,494	3/4	61,405	3/4	49,316	3/4	37,248	3/4	25,432	3/4	13,343	3/4	1,571	3/4		3/4		3/4	
5	73,243	5	61,153	5	49,064	5	37,003	5	25,180	5	13,091	5	1,382	5		5		5	
1/4	72,991	1/4	60,902	1/4	48,812	1/4	36,759	1/4	24,928	1/4	12,840	1/4	1,236	1/4		1/4		1/4	
1/2	72,739	1/2	60,650	1/2	48,561	1/2	36,514	1/2	24,676	1/2	12,588	1/2	1,089	1/2		1/2		1/2	
3/4	72,487	3/4	60,398	3/4	48,309	3/4	36,270	3/4	24,425	3/4	12,336	3/4	942	3/4		3/4		3/4	
6	72,235	6	60,146	6	48,057	6	36,026	6	24,173	6	12,084	6	795	6		6		6	
1/4	71,983	1/4	59,894	1/4	47,805	1/4	35,781	1/4	23,921	1/4	11,832	1/4	690	1/4		1/4		1/4	
1/2	71,731	1/2	59,642	1/2	47,553	1/2	35,537	1/2	23,669	1/2	11,580	1/2	585	1/2		1/2		1/2	
3/4	71,480	3/4	59,390	3/4	47,301	3/4	35,292	3/4	23,417	3/4	11,328	3/4	480	3/4		3/4		3/4	
7	71,228	7	59,139	7	47,049	7	35,048	7	23,165	7	11,077	7	375	7		7		7	
1/4	70,976	1/4	58,887	1/4	46,798	1/4	34,803	1/4	22,914	1/4	10,825	1/4	312	1/4		1/4		1/4	
1/2	70,724	1/2	58,635	1/2	46,546	1/2	34,559	1/2	22,662	1/2	10,573	1/2	249	1/2		1/2		1/2	
3/4	70,472	3/4	58,383	3/4	46,294	3/4	34,315	3/4	22,410	3/4	10,321	3/4	186	3/4		3/4		3/4	
8	70,220	8	58,131	8	46,042	8	34,070	8	22,158	8	10,069	8	123	8		8		8	
1/4	69,968	1/4	57,879	1/4	45,790	1/4	33,826	1/4	21,906	1/4	9,817	1/4	102	1/4		1/4		1/4	
1/2	69,717	1/2	57,627	1/2	45,538	1/2	33,581	1/2	21,654	1/2	9,566	1/2	81	1/2		1/2		1/2	
3/4	69,465	3/4	57,376	3/4	45,286	3/4	33,337	3/4	21,402	3/4	9,314	3/4	60	3/4		3/4		3/4	
9	69,213	9	57,124	9	45,035	9	33,092	9	21,151	9	9,062	9	39	9		9		9	
1/4	68,961	1/4	56,872	1/4	44,783	1/4	32,848	1/4	20,899	1/4	8,810	1/4		1/4		1/4		1/4	
1/2	68,709	1/2	56,620	1/2	44,531	1/2	32,604	1/2	20,647	1/2	8,558	1/2		1/2		1/2		1/2	
3/4	68,457	3/4	56,368	3/4	44,279	3/4	32,359	3/4	20,395	3/4	8,306	3/4		3/4		3/4		3/4	
10	68,205	10	56,116	10	44,027	10	32,115	10	20,143	10	8,055	10		10		10		10	
1/4	67,954	1/4	55,864	1/4	43,775	1/4	31,870	1/4	19,891	1/4	7,803	1/4		1/4		1/4		1/4	
1/2	67,702	1/2	55,613	1/2	43,523	1/2	31,626	1/2	19,639	1/2	7,551	1/2		1/2		1/2		1/2	
3/4	67,450	3/4	55,361	3/4	43,272	3/4	31,381	3/4	19,388	3/4	7,300	3/4		3/4		3/4		3/4	
11	67,198	11	55,109	11	43,020	11	31,137	11	19,136	11	7,048	11		11		11		11	
1/4	66,946	1/4	54,857	1/4	42,768	1/4	30,893	1/4	18,884	1/4	6,797	1/4		1/4		1/4		1/4	
1/2	66,694	1/2	54,605	1/2	42,516	1/2	30,648	1/2	18,632	1/2	6,546	1/2		1/2		1/2		1/2	
3/4	66,442	3/4	54,353	3/4	42,264	3/4	30,404	3/4	18,380	3/4	6,295	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/29/2017 CL
CALCULATED: 12/29/2017 CL
PRINTED: 12/29/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1399"

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	144,597	0	133,944	0	123,268	0	112,548	0	101,828	0	91,108	0	80,387		
1/4	1/4	1/4	1/4	1/4	144,377	1/4	133,722	1/4	123,045	1/4	112,325	1/4	101,605	1/4	90,885	1/4	80,164		
1/2	1/2	1/2	1/2	1/2	144,157	1/2	133,500	1/2	122,821	1/2	112,101	1/2	101,381	1/2	90,661	1/2	79,941		
3/4	3/4	3/4	3/4	3/4	143,937	3/4	133,278	3/4	122,598	3/4	111,878	3/4	101,158	3/4	90,438	3/4	79,717		
1	1	1	1	1	151,599	1	143,717	1	133,056	1	122,375	1	111,655	1	100,935	1	90,214	1	79,494
1/4	1/4	1/4	1/4	1/4	151,584	1/4	143,495	1/4	132,833	1/4	122,151	1/4	111,431	1/4	100,711	1/4	89,991	1/4	79,270
1/2	1/2	1/2	1/2	1/2	151,568	1/2	143,273	1/2	132,611	1/2	121,928	1/2	111,208	1/2	100,488	1/2	89,768	1/2	79,047
3/4	3/4	3/4	3/4	3/4	151,553	3/4	143,050	3/4	132,389	3/4	121,705	3/4	110,985	3/4	100,265	3/4	89,544	3/4	78,824
2	2	2	2	2	151,538	2	142,828	2	132,167	2	121,481	2	110,761	2	100,041	2	89,321	2	78,600
1/4	1/4	1/4	1/4	1/4	151,485	1/4	142,606	1/4	131,945	1/4	121,258	1/4	110,538	1/4	99,818	1/4	89,098	1/4	78,377
1/2	1/2	1/2	1/2	1/2	151,433	1/2	142,384	1/2	131,723	1/2	121,035	1/2	110,315	1/2	99,595	1/2	88,874	1/2	78,154
3/4	3/4	3/4	3/4	3/4	151,380	3/4	142,162	3/4	131,501	3/4	120,811	3/4	110,091	3/4	99,371	3/4	88,651	3/4	77,930
3	3	3	3	3	151,328	3	141,940	3	131,279	3	120,588	3	109,868	3	99,148	3	88,428	3	77,707
1/4	1/4	1/4	1/4	1/4	151,238	1/4	141,718	1/4	131,057	1/4	120,365	1/4	109,645	1/4	98,925	1/4	88,204	1/4	77,483
1/2	1/2	1/2	1/2	1/2	151,148	1/2	141,496	1/2	130,834	1/2	120,141	1/2	109,421	1/2	98,701	1/2	87,981	1/2	77,260
3/4	3/4	3/4	3/4	3/4	151,058	3/4	141,274	3/4	130,612	3/4	119,918	3/4	109,198	3/4	98,478	3/4	87,758	3/4	77,037
4	4	4	4	4	150,969	4	141,051	4	130,390	4	119,695	4	108,975	4	98,255	4	87,534	4	76,813
1/4	1/4	1/4	1/4	1/4	150,842	1/4	140,829	1/4	130,168	1/4	119,471	1/4	108,751	1/4	98,031	1/4	87,311	1/4	76,590
1/2	1/2	1/2	1/2	1/2	150,715	1/2	140,607	1/2	129,946	1/2	119,248	1/2	108,528	1/2	97,808	1/2	87,088	1/2	76,367
3/4	3/4	3/4	3/4	3/4	150,588	3/4	140,385	3/4	129,724	3/4	119,025	3/4	108,305	3/4	97,585	3/4	86,864	3/4	76,143
5	5	5	5	5	150,461	5	140,163	5	129,502	5	118,801	5	108,081	5	97,361	5	86,641	5	75,920
1/4	1/4	1/4	1/4	1/4	150,297	1/4	139,941	1/4	129,280	1/4	118,578	1/4	107,858	1/4	97,138	1/4	86,418	1/4	75,697
1/2	1/2	1/2	1/2	1/2	150,132	1/2	139,719	1/2	129,058	1/2	118,355	1/2	107,635	1/2	96,915	1/2	86,194	1/2	75,473
3/4	3/4	3/4	3/4	3/4	149,968	3/4	139,497	3/4	128,835	3/4	118,131	3/4	107,411	3/4	96,691	3/4	85,971	3/4	75,250
6	6	6	6	6	149,804	6	139,275	6	128,613	6	117,908	6	107,188	6	96,468	6	85,748	6	75,026
1/4	1/4	1/4	1/4	1/4	149,602	1/4	139,052	1/4	128,391	1/4	117,685	1/4	106,965	1/4	96,245	1/4	85,524	1/4	74,803
1/2	1/2	1/2	1/2	1/2	149,401	1/2	138,830	1/2	128,169	1/2	117,461	1/2	106,741	1/2	96,021	1/2	85,301	1/2	74,580
3/4	3/4	3/4	3/4	3/4	149,200	3/4	138,608	3/4	127,947	3/4	117,238	3/4	106,518	3/4	95,798	3/4	85,078	3/4	74,356
7	7	7	7	7	148,998	7	138,386	7	127,725	7	117,015	7	106,295	7	95,575	7	84,854	7	74,133
1/4	1/4	1/4	1/4	1/4	148,778	1/4	138,164	1/4	127,503	1/4	116,791	1/4	106,071	1/4	95,351	1/4	84,631	1/4	73,910
1/2	1/2	1/2	1/2	1/2	148,558	1/2	137,942	1/2	127,281	1/2	116,568	1/2	105,848	1/2	95,128	1/2	84,408	1/2	73,686
3/4	3/4	3/4	3/4	3/4	148,338	3/4	137,720	3/4	127,059	3/4	116,345	3/4	105,625	3/4	94,905	3/4	84,184	3/4	73,463
8	8	8	8	8	148,118	8	137,498	8	126,836	8	116,121	8	105,401	8	94,681	8	83,961	8	73,239
1/4	1/4	1/4	1/4	1/4	147,898	1/4	137,276	1/4	126,614	1/4	115,898	1/4	105,178	1/4	94,458	1/4	83,738	1/4	73,016
1/2	1/2	1/2	1/2	1/2	147,678	1/2	137,053	1/2	126,392	1/2	115,675	1/2	104,955	1/2	94,235	1/2	83,514	1/2	72,793
3/4	3/4	3/4	3/4	3/4	147,458	3/4	136,831	3/4	126,170	3/4	115,451	3/4	104,731	3/4	94,011	3/4	83,291	3/4	72,569
9	9	9	9	9	147,238	9	136,609	9	125,948	9	115,228	9	104,508	9	93,788	9	83,068	9	72,346
1/4	1/4	1/4	1/4	1/4	147,018	1/4	136,387	1/4	125,725	1/4	115,005	1/4	104,285	1/4	93,565	1/4	82,844	1/4	72,123
1/2	1/2	1/2	1/2	1/2	146,798	1/2	136,165	1/2	125,501	1/2	114,781	1/2	104,061	1/2	93,341	1/2	82,621	1/2	71,899
3/4	3/4	3/4	3/4	3/4	146,578	3/4	135,943	3/4	125,278	3/4	114,558	3/4	103,838	3/4	93,118	3/4	82,398	3/4	71,676
10	10	10	10	10	146,357	10	135,721	10	125,055	10	114,335	10	103,615	10	92,895	10	82,174	10	71,452
1/4	1/4	1/4	1/4	1/4	146,137	1/4	135,499	1/4	124,831	1/4	114,111	1/4	103,391	1/4	92,671	1/4	81,951	1/4	71,229
1/2	1/2	1/2	1/2	1/2	145,917	1/2	135,277	1/2	124,608	1/2	113,888	1/2	103,168	1/2	92,448	1/2	81,728	1/2	71,006
3/4	3/4	3/4	3/4	3/4	145,697	3/4	135,054	3/4	124,385	3/4	113,665	3/4	102,945	3/4	92,225	3/4	81,504	3/4	70,782
11	11	11	11	11	145,477	11	134,832	11	124,161	11	113,441	11	102,721	11	92,001	11	81,281	11	70,559
1/4	1/4	1/4	1/4	1/4	145,257	1/4	134,610	1/4	123,938	1/4	113,218	1/4	102,498	1/4	91,778	1/4	81,057	1/4	70,336
1/2	1/2	1/2	1/2	1/2	145,037	1/2	134,388	1/2	123,715	1/2	112,995	1/2	102,275	1/2	91,555	1/2	80,834	1/2	70,112
3/4	3/4	3/4	3/4	3/4	144,817	3/4	134,166	3/4	123,491	3/4	112,771	3/4	102,051	3/4	91,331	3/4	80,611	3/4	69,889

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
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BARGE "CBC 1399"

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	69,665	0	58,944	0	48,222	0	37,500	0	26,798	0	16,082	0	5,364	0		0			
1/4	69,442	1/4	58,720	1/4	47,998	1/4	37,277	1/4	26,575	1/4	15,859	1/4	5,142	1/4		1/4			1/4
1/2	69,219	1/2	58,497	1/2	47,775	1/2	37,053	1/2	26,353	1/2	15,636	1/2	4,920	1/2		1/2			1/2
3/4	68,995	3/4	58,273	3/4	47,552	3/4	36,830	3/4	26,130	3/4	15,412	3/4	4,698	3/4		3/4			3/4
1	68,772	1	58,050	1	47,328	1	36,606	1	25,908	1	15,189	1	4,476	1		1			1
1/4	68,549	1/4	57,827	1/4	47,105	1/4	36,383	1/4	25,684	1/4	14,966	1/4	4,255	1/4		1/4			1/4
1/2	68,325	1/2	57,603	1/2	46,882	1/2	36,160	1/2	25,461	1/2	14,742	1/2	4,035	1/2		1/2			1/2
3/4	68,102	3/4	57,380	3/4	46,658	3/4	35,936	3/4	25,238	3/4	14,519	3/4	3,814	3/4		3/4			3/4
2	67,878	2	57,157	2	46,435	2	35,713	2	25,015	2	14,295	2	3,593	2		2			2
1/4	67,655	1/4	56,933	1/4	46,211	1/4	35,490	1/4	24,792	1/4	14,072	1/4	3,374	1/4		1/4			1/4
1/2	67,432	1/2	56,710	1/2	45,988	1/2	35,266	1/2	24,569	1/2	13,849	1/2	3,155	1/2		1/2			1/2
3/4	67,208	3/4	56,487	3/4	45,765	3/4	35,043	3/4	24,346	3/4	13,625	3/4	2,936	3/4		3/4			3/4
3	66,985	3	56,263	3	45,541	3	34,819	3	24,123	3	13,402	3	2,717	3		3			3
1/4	66,762	1/4	56,040	1/4	45,318	1/4	34,596	1/4	23,900	1/4	13,179	1/4	2,513	1/4		1/4			1/4
1/2	66,538	1/2	55,816	1/2	45,095	1/2	34,373	1/2	23,677	1/2	12,955	1/2	2,309	1/2		1/2			1/2
3/4	66,315	3/4	55,593	3/4	44,871	3/4	34,149	3/4	23,453	3/4	12,732	3/4	2,105	3/4		3/4			3/4
4	66,092	4	55,370	4	44,648	4	33,926	4	23,230	4	12,509	4	1,901	4		4			4
1/4	65,868	1/4	55,146	1/4	44,424	1/4	33,703	1/4	23,007	1/4	12,285	1/4	1,733	1/4		1/4			1/4
1/2	65,645	1/2	54,923	1/2	44,201	1/2	33,479	1/2	22,783	1/2	12,062	1/2	1,566	1/2		1/2			1/2
3/4	65,421	3/4	54,700	3/4	43,978	3/4	33,256	3/4	22,560	3/4	11,838	3/4	1,398	3/4		3/4			3/4
5	65,198	5	54,476	5	43,754	5	33,032	5	22,337	5	11,615	5	1,230	5		5			5
1/4	64,975	1/4	54,253	1/4	43,531	1/4	32,810	1/4	22,113	1/4	11,392	1/4	1,100	1/4		1/4			1/4
1/2	64,751	1/2	54,029	1/2	43,308	1/2	32,587	1/2	21,890	1/2	11,168	1/2	970	1/2		1/2			1/2
3/4	64,528	3/4	53,806	3/4	43,084	3/4	32,364	3/4	21,666	3/4	10,945	3/4	840	3/4		3/4			3/4
6	64,305	6	53,583	6	42,861	6	32,142	6	21,443	6	10,722	6	709	6		6			6
1/4	64,081	1/4	53,359	1/4	42,637	1/4	31,919	1/4	21,220	1/4	10,498	1/4	616	1/4		1/4			1/4
1/2	63,858	1/2	53,136	1/2	42,414	1/2	31,697	1/2	20,996	1/2	10,275	1/2	523	1/2		1/2			1/2
3/4	63,634	3/4	52,913	3/4	42,191	3/4	31,474	3/4	20,773	3/4	10,052	3/4	430	3/4		3/4			3/4
7	63,411	7	52,689	7	41,967	7	31,251	7	20,550	7	9,828	7	337	7		7			7
1/4	63,188	1/4	52,466	1/4	41,744	1/4	31,029	1/4	20,326	1/4	9,605	1/4	281	1/4		1/4			1/4
1/2	62,964	1/2	52,242	1/2	41,521	1/2	30,806	1/2	20,103	1/2	9,381	1/2	225	1/2		1/2			1/2
3/4	62,741	3/4	52,019	3/4	41,297	3/4	30,583	3/4	19,880	3/4	9,158	3/4	170	3/4		3/4			3/4
8	62,518	8	51,796	8	41,074	8	30,361	8	19,656	8	8,935	8	114	8		8			8
1/4	62,294	1/4	51,572	1/4	40,850	1/4	30,138	1/4	19,433	1/4	8,711	1/4	95	1/4		1/4			1/4
1/2	62,071	1/2	51,349	1/2	40,627	1/2	29,915	1/2	19,209	1/2	8,488	1/2	77	1/2		1/2			1/2
3/4	61,847	3/4	51,126	3/4	40,404	3/4	29,693	3/4	18,986	3/4	8,265	3/4	58	3/4		3/4			3/4
9	61,624	9	50,902	9	40,180	9	29,470	9	18,763	9	8,041	9	39	9		9			9
1/4	61,401	1/4	50,679	1/4	39,957	1/4	29,247	1/4	18,539	1/4	7,818	1/4		1/4		1/4			1/4
1/2	61,177	1/2	50,455	1/2	39,734	1/2	29,025	1/2	18,316	1/2	7,595	1/2		1/2		1/2			1/2
3/4	60,954	3/4	50,232	3/4	39,510	3/4	28,802	3/4	18,093	3/4	7,371	3/4		3/4		3/4			3/4
10	60,731	10	50,009	10	39,287	10	28,579	10	17,869	10	7,148	10		10		10			10
1/4	60,507	1/4	49,785	1/4	39,063	1/4	28,357	1/4	17,646	1/4	6,925	1/4		1/4		1/4			1/4
1/2	60,284	1/2	49,562	1/2	38,840	1/2	28,134	1/2	17,423	1/2	6,702	1/2		1/2		1/2			1/2
3/4	60,060	3/4	49,339	3/4	38,617	3/4	27,911	3/4	17,199	3/4	6,478	3/4		3/4		3/4			3/4
11	59,837	11	49,115	11	38,393	11	27,689	11	16,976	11	6,255	11		11		11			11
1/4	59,614	1/4	48,892	1/4	38,170	1/4	27,466	1/4	16,752	1/4	6,033	1/4		1/4		1/4			1/4
1/2	59,390	1/2	48,668	1/2	37,947	1/2	27,243	1/2	16,529	1/2	5,810	1/2		1/2		1/2			1/2
3/4	59,167	3/4	48,445	3/4	37,723	3/4	27,021	3/4	16,306	3/4	5,587	3/4		3/4		3/4			3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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