



BARGE "CBC 1353"

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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 CENTER	- 00-0/8	00-0/8	- 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
3 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

(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 3 CENTER IS - 00-3/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 3 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 161'-09"

October 12, 2012

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

<http://www.pmacorp.net>



BARGE "CBC 1353"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 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	8,085	0	18,865	0	29,495	0	40,154	0	50,906	0	61,659	0	72,388	0	83,119	0	93,874
1/4	58	1/4	8,309	1/4	19,090	1/4	29,713	1/4	40,378	1/4	51,130	1/4	61,883	1/4	72,610	1/4	83,343	1/4	94,098
1/2	77	1/2	8,534	1/2	19,314	1/2	29,931	1/2	40,602	1/2	51,354	1/2	62,107	1/2	72,833	1/2	83,567	1/2	94,322
3/4	95	3/4	8,759	3/4	19,539	3/4	30,149	3/4	40,826	3/4	51,578	3/4	62,331	3/4	73,056	3/4	83,791	3/4	94,546
1	114	1	8,983	1	19,763	1	30,368	1	41,050	1	51,802	1	62,555	1	73,278	1	84,015	1	94,771
1/4	170	1/4	9,208	1/4	19,988	1/4	30,586	1/4	41,274	1/4	52,026	1/4	62,779	1/4	73,501	1/4	84,239	1/4	94,995
1/2	226	1/2	9,432	1/2	20,212	1/2	30,804	1/2	41,498	1/2	52,250	1/2	63,003	1/2	73,724	1/2	84,463	1/2	95,219
3/4	283	3/4	9,657	3/4	20,437	3/4	31,022	3/4	41,722	3/4	52,474	3/4	63,227	3/4	73,946	3/4	84,687	3/4	95,443
2	339	2	9,881	2	20,662	2	31,240	2	41,946	2	52,698	2	63,451	2	74,169	2	84,911	2	95,667
1/4	432	1/4	10,106	1/4	20,886	1/4	31,459	1/4	42,170	1/4	52,922	1/4	63,675	1/4	74,392	1/4	85,135	1/4	95,891
1/2	526	1/2	10,331	1/2	21,111	1/2	31,677	1/2	42,394	1/2	53,146	1/2	63,899	1/2	74,614	1/2	85,359	1/2	96,115
3/4	619	3/4	10,555	3/4	21,335	3/4	31,895	3/4	42,618	3/4	53,370	3/4	64,123	3/4	74,837	3/4	85,583	3/4	96,339
3	713	3	10,780	3	21,560	3	32,113	3	42,842	3	53,594	3	64,347	3	75,060	3	85,808	3	96,563
1/4	844	1/4	11,004	1/4	21,785	1/4	32,331	1/4	43,066	1/4	53,818	1/4	64,571	1/4	75,282	1/4	86,032	1/4	96,787
1/2	975	1/2	11,229	1/2	22,009	1/2	32,550	1/2	43,290	1/2	54,042	1/2	64,795	1/2	75,505	1/2	86,256	1/2	97,011
3/4	1,106	3/4	11,454	3/4	22,234	3/4	32,768	3/4	43,514	3/4	54,266	3/4	65,019	3/4	75,728	3/4	86,480	3/4	97,235
4	1,237	4	11,678	4	22,458	4	32,986	4	43,738	4	54,491	4	65,243	4	75,950	4	86,704	4	97,459
1/4	1,405	1/4	11,903	1/4	22,683	1/4	33,210	1/4	43,962	1/4	54,715	1/4	65,467	1/4	76,174	1/4	86,928	1/4	97,684
1/2	1,574	1/2	12,127	1/2	22,907	1/2	33,434	1/2	44,186	1/2	54,939	1/2	65,691	1/2	76,397	1/2	87,152	1/2	97,908
3/4	1,742	3/4	12,352	3/4	23,132	3/4	33,658	3/4	44,410	3/4	55,163	3/4	65,915	3/4	76,620	3/4	87,376	3/4	98,132
5	1,911	5	12,576	5	23,357	5	33,882	5	44,634	5	55,387	5	66,139	5	76,844	5	87,600	5	98,356
1/4	2,116	1/4	12,801	1/4	23,581	1/4	34,106	1/4	44,858	1/4	55,611	1/4	66,363	1/4	77,068	1/4	87,824	1/4	98,580
1/2	2,321	1/2	13,026	1/2	23,806	1/2	34,330	1/2	45,082	1/2	55,835	1/2	66,587	1/2	77,292	1/2	88,048	1/2	98,804
3/4	2,526	3/4	13,250	3/4	24,030	3/4	34,554	3/4	45,306	3/4	56,059	3/4	66,811	3/4	77,516	3/4	88,272	3/4	99,028
6	2,732	6	13,475	6	24,255	6	34,778	6	45,530	6	56,283	6	67,035	6	77,740	6	88,496	6	99,252
1/4	2,952	1/4	13,699	1/4	24,474	1/4	35,002	1/4	45,754	1/4	56,507	1/4	67,258	1/4	77,964	1/4	88,721	1/4	99,476
1/2	3,172	1/2	13,924	1/2	24,692	1/2	35,226	1/2	45,978	1/2	56,731	1/2	67,482	1/2	78,188	1/2	88,945	1/2	99,700
3/4	3,392	3/4	14,149	3/4	24,911	3/4	35,450	3/4	46,202	3/4	56,955	3/4	67,705	3/4	78,412	3/4	89,169	3/4	99,924
7	3,612	7	14,373	7	25,129	7	35,674	7	46,426	7	57,179	7	67,928	7	78,637	7	89,393	7	100,148
1/4	3,834	1/4	14,598	1/4	25,348	1/4	35,898	1/4	46,650	1/4	57,403	1/4	68,152	1/4	78,861	1/4	89,617	1/4	100,372
1/2	4,056	1/2	14,822	1/2	25,566	1/2	36,122	1/2	46,874	1/2	57,627	1/2	68,375	1/2	79,085	1/2	89,841	1/2	100,596
3/4	4,278	3/4	15,047	3/4	25,785	3/4	36,346	3/4	47,098	3/4	57,851	3/4	68,599	3/4	79,309	3/4	90,065	3/4	100,821
8	4,500	8	15,272	8	26,004	8	36,570	8	47,322	8	58,075	8	68,822	8	79,533	8	90,289	8	101,045
1/4	4,724	1/4	15,496	1/4	26,222	1/4	36,794	1/4	47,546	1/4	58,299	1/4	69,046	1/4	79,757	1/4	90,513	1/4	101,269
1/2	4,947	1/2	15,721	1/2	26,440	1/2	37,018	1/2	47,770	1/2	58,523	1/2	69,269	1/2	79,981	1/2	90,737	1/2	101,493
3/4	5,170	3/4	15,945	3/4	26,658	3/4	37,242	3/4	47,994	3/4	58,747	3/4	69,492	3/4	80,205	3/4	90,961	3/4	101,717
9	5,393	9	16,170	9	26,876	9	37,466	9	48,218	9	58,971	9	69,716	9	80,429	9	91,185	9	101,941
1/4	5,617	1/4	16,394	1/4	27,095	1/4	37,690	1/4	48,442	1/4	59,195	1/4	69,938	1/4	80,653	1/4	91,409	1/4	102,165
1/2	5,841	1/2	16,619	1/2	27,313	1/2	37,914	1/2	48,666	1/2	59,419	1/2	70,161	1/2	80,878	1/2	91,633	1/2	102,389
3/4	6,065	3/4	16,844	3/4	27,531	3/4	38,138	3/4	48,890	3/4	59,643	3/4	70,384	3/4	81,102	3/4	91,858	3/4	102,613
10	6,289	10	17,068	10	27,749	10	38,362	10	49,114	10	59,867	10	70,606	10	81,326	10	92,082	10	102,837
1/4	6,513	1/4	17,293	1/4	27,967	1/4	38,586	1/4	49,338	1/4	60,091	1/4	70,829	1/4	81,550	1/4	92,306	1/4	103,061
1/2	6,738	1/2	17,517	1/2	28,186	1/2	38,810	1/2	49,562	1/2	60,315	1/2	71,052	1/2	81,774	1/2	92,530	1/2	103,285
3/4	6,962	3/4	17,742	3/4	28,404	3/4	39,034	3/4	49,786	3/4	60,539	3/4	71,274	3/4	81,998	3/4	92,754	3/4	103,509
11	7,186	11	17,967	11	28,622	11	39,258	11	50,010	11	60,763	11	71,497	11	82,222	11	92,978	11	103,734
1/4	7,411	1/4	18,191	1/4	28,840	1/4	39,482	1/4	50,234	1/4	60,987	1/4	71,720	1/4	82,446	1/4	93,202	1/4	103,958
1/2	7,636	1/2	18,416	1/2	29,058	1/2	39,706	1/2	50,458	1/2	61,211	1/2	71,942	1/2	82,670	1/2	93,426	1/2	104,182
3/4	7,860	3/4	18,640	3/4	29,277	3/4	39,930	3/4	50,682	3/4	61,435	3/4	72,165	3/4	82,895	3/4	93,650	3/4	104,406

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 26'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1353"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 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	104,630	0	114,723	0	124,175	0	133,585	0	142,979	0		0		0		0		0	
1/4	104,854	1/4	114,919	1/4	124,371	1/4	133,781	1/4	143,173	1/4		1/4		1/4		1/4		1/4	
1/2	105,077	1/2	115,116	1/2	124,567	1/2	133,978	1/2	143,367	1/2		1/2		1/2		1/2		1/2	
3/4	105,301	3/4	115,313	3/4	124,764	3/4	134,174	3/4	143,562	3/4		3/4		3/4		3/4		3/4	
1	105,525	1	115,510	1	124,960	1	134,370	1	143,756	1		1		1		1		1	
1/4	105,749	1/4	115,707	1/4	125,157	1/4	134,567	1/4	143,950	1/4		1/4		1/4		1/4		1/4	
1/2	105,973	1/2	115,904	1/2	125,353	1/2	134,763	1/2	144,145	1/2		1/2		1/2		1/2		1/2	
3/4	106,197	3/4	116,101	3/4	125,549	3/4	134,960	3/4	144,339	3/4		3/4		3/4		3/4		3/4	
2	106,420	2	116,298	2	125,746	2	135,156	2	144,533	2		2		2		2		2	
1/4	106,644	1/4	116,495	1/4	125,942	1/4	135,352	1/4	144,737	1/4		1/4		1/4		1/4		1/4	
1/2	106,868	1/2	116,692	1/2	126,139	1/2	135,549	1/2	144,940	1/2		1/2		1/2		1/2		1/2	
3/4	107,092	3/4	116,889	3/4	126,335	3/4	135,745	3/4	145,143	3/4		3/4		3/4		3/4		3/4	
3	107,316	3	117,086	3	126,531	3	135,942	3	145,346	3		3		3		3		3	
1/4	107,540	1/4	117,283	1/4	126,728	1/4	136,138	1/4	145,512	1/4		1/4		1/4		1/4		1/4	
1/2	107,763	1/2	117,479	1/2	126,924	1/2	136,334	1/2	145,678	1/2		1/2		1/2		1/2		1/2	
3/4	107,987	3/4	117,676	3/4	127,121	3/4	136,531	3/4	145,844	3/4		3/4		3/4		3/4		3/4	
4	108,211	4	117,873	4	127,317	4	136,727	4	146,009	4		4		4		4		4	
1/4	108,435	1/4	118,070	1/4	127,513	1/4	136,924	1/4	146,138	1/4		1/4		1/4		1/4		1/4	
1/2	108,659	1/2	118,267	1/2	127,710	1/2	137,120	1/2	146,266	1/2		1/2		1/2		1/2		1/2	
3/4	108,883	3/4	118,464	3/4	127,906	3/4	137,316	3/4	146,394	3/4		3/4		3/4		3/4		3/4	
5	109,106	5	118,661	5	128,103	5	137,513	5	146,523	5		5		5		5		5	
1/4	109,330	1/4	118,858	1/4	128,299	1/4	137,709	1/4	146,614	1/4		1/4		1/4		1/4		1/4	
1/2	109,554	1/2	119,055	1/2	128,495	1/2	137,906	1/2	146,705	1/2		1/2		1/2		1/2		1/2	
3/4	109,778	3/4	119,252	3/4	128,692	3/4	138,102	3/4	146,796	3/4		3/4		3/4		3/4		3/4	
6	110,002	6	119,449	6	128,888	6	138,298	6	146,887	6		6		6		6		6	
1/4	110,198	1/4	119,646	1/4	129,084	1/4	138,495	1/4	146,940	1/4		1/4		1/4		1/4		1/4	
1/2	110,395	1/2	119,842	1/2	129,280	1/2	138,691	1/2	146,994	1/2		1/2		1/2		1/2		1/2	
3/4	110,592	3/4	120,039	3/4	129,475	3/4	138,888	3/4	147,047	3/4		3/4		3/4		3/4		3/4	
7	110,788	7	120,236	7	129,671	7	139,084	7	147,100	7		7		7		7		7	
1/4	110,985	1/4	120,433	1/4	129,867	1/4	139,280	1/4	147,117	1/4		1/4		1/4		1/4		1/4	
1/2	111,182	1/2	120,630	1/2	130,062	1/2	139,477	1/2	147,133	1/2		1/2		1/2		1/2		1/2	
3/4	111,379	3/4	120,827	3/4	130,258	3/4	139,673	3/4	147,149	3/4		3/4		3/4		3/4		3/4	
8	111,575	8	121,024	8	130,454	8	139,870	8	147,165	8		8		8		8		8	
1/4	111,772	1/4	121,221	1/4	130,649	1/4	140,064	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,969	1/2	121,418	1/2	130,845	1/2	140,258	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,165	3/4	121,615	3/4	131,041	3/4	140,453	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,362	9	121,812	9	131,237	9	140,647	9		9		9		9		9		9	
1/4	112,559	1/4	122,009	1/4	131,432	1/4	140,841	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,756	1/2	122,206	1/2	131,628	1/2	141,036	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,952	3/4	122,402	3/4	131,824	3/4	141,230	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,149	10	122,599	10	132,019	10	141,424	10		10		10		10		10		10	
1/4	113,346	1/4	122,796	1/4	132,215	1/4	141,618	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,542	1/2	122,993	1/2	132,411	1/2	141,813	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,739	3/4	123,190	3/4	132,606	3/4	142,007	3/4		3/4		3/4		3/4		3/4		3/4	
11	113,936	11	123,387	11	132,802	11	142,201	11		11		11		11		11		11	
1/4	114,132	1/4	123,584	1/4	132,998	1/4	142,396	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,329	1/2	123,781	1/2	133,194	1/2	142,590	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,526	3/4	123,978	3/4	133,389	3/4	142,784	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/12/2012 CL
CALCULATED: 10/12/2012 CL
PRINTED: 10/12/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1353"

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	9,043	0	21,107	0	33,024	0	44,941	0	57,006	0	69,070	0	81,134	0	93,198	0	105,260
1/4	60	1/4	9,294	1/4	21,358	1/4	33,268	1/4	45,193	1/4	57,257	1/4	69,321	1/4	81,385	1/4	93,450	1/4	105,512
1/2	81	1/2	9,546	1/2	21,610	1/2	33,512	1/2	45,444	1/2	57,508	1/2	69,573	1/2	81,637	1/2	93,701	1/2	105,763
3/4	102	3/4	9,797	3/4	21,861	3/4	33,756	3/4	45,695	3/4	57,760	3/4	69,824	3/4	81,888	3/4	93,952	3/4	106,014
1	123	1	10,048	1	22,112	1	34,000	1	45,947	1	58,011	1	70,075	1	82,139	1	94,203	1	106,266
1/4	186	1/4	10,300	1/4	22,364	1/4	34,244	1/4	46,198	1/4	58,262	1/4	70,327	1/4	82,391	1/4	94,455	1/4	106,517
1/2	249	1/2	10,551	1/2	22,615	1/2	34,488	1/2	46,449	1/2	58,514	1/2	70,578	1/2	82,642	1/2	94,706	1/2	106,768
3/4	311	3/4	10,802	3/4	22,866	3/4	34,732	3/4	46,701	3/4	58,765	3/4	70,829	3/4	82,893	3/4	94,957	3/4	107,019
2	374	2	11,054	2	23,117	2	34,975	2	46,952	2	59,016	2	71,081	2	83,145	2	95,209	2	107,271
1/4	479	1/4	11,305	1/4	23,369	1/4	35,219	1/4	47,203	1/4	59,268	1/4	71,332	1/4	83,396	1/4	95,460	1/4	107,522
1/2	584	1/2	11,556	1/2	23,620	1/2	35,463	1/2	47,455	1/2	59,519	1/2	71,583	1/2	83,647	1/2	95,711	1/2	107,773
3/4	688	3/4	11,808	3/4	23,871	3/4	35,707	3/4	47,706	3/4	59,770	3/4	71,835	3/4	83,899	3/4	95,962	3/4	108,025
3	793	3	12,059	3	24,123	3	35,951	3	47,958	3	60,022	3	72,086	3	84,150	3	96,214	3	108,276
1/4	940	1/4	12,310	1/4	24,374	1/4	36,195	1/4	48,209	1/4	60,273	1/4	72,337	1/4	84,401	1/4	96,465	1/4	108,527
1/2	1,086	1/2	12,562	1/2	24,625	1/2	36,439	1/2	48,460	1/2	60,524	1/2	72,589	1/2	84,653	1/2	96,716	1/2	108,778
3/4	1,233	3/4	12,813	3/4	24,877	3/4	36,683	3/4	48,712	3/4	60,776	3/4	72,840	3/4	84,904	3/4	96,968	3/4	109,030
4	1,380	4	13,064	4	25,128	4	36,927	4	48,963	4	61,027	4	73,091	4	85,155	4	97,219	4	109,281
1/4	1,568	1/4	13,316	1/4	25,379	1/4	37,171	1/4	49,214	1/4	61,278	1/4	73,343	1/4	85,407	1/4	97,470	1/4	109,532
1/2	1,757	1/2	13,567	1/2	25,631	1/2	37,415	1/2	49,466	1/2	61,530	1/2	73,594	1/2	85,658	1/2	97,722	1/2	109,784
3/4	1,945	3/4	13,818	3/4	25,882	3/4	37,660	3/4	49,717	3/4	61,781	3/4	73,845	3/4	85,909	3/4	97,973	3/4	110,035
5	2,134	5	14,070	5	26,133	5	37,904	5	49,968	5	62,032	5	74,097	5	86,161	5	98,224	5	110,286
1/4	2,363	1/4	14,321	1/4	26,385	1/4	38,155	1/4	50,220	1/4	62,284	1/4	74,348	1/4	86,412	1/4	98,475	1/4	110,538
1/2	2,593	1/2	14,572	1/2	26,636	1/2	38,407	1/2	50,471	1/2	62,535	1/2	74,599	1/2	86,663	1/2	98,727	1/2	110,789
3/4	2,823	3/4	14,824	3/4	26,887	3/4	38,658	3/4	50,722	3/4	62,786	3/4	74,851	3/4	86,915	3/4	98,978	3/4	111,040
6	3,052	6	15,075	6	27,139	6	38,909	6	50,974	6	63,038	6	75,102	6	87,166	6	99,229	6	111,291
1/4	3,299	1/4	15,326	1/4	27,390	1/4	39,161	1/4	51,225	1/4	63,289	1/4	75,353	1/4	87,417	1/4	99,481	1/4	111,543
1/2	3,545	1/2	15,578	1/2	27,641	1/2	39,412	1/2	51,476	1/2	63,540	1/2	75,605	1/2	87,669	1/2	99,732	1/2	111,794
3/4	3,791	3/4	15,829	3/4	27,893	3/4	39,663	3/4	51,728	3/4	63,792	3/4	75,856	3/4	87,920	3/4	99,983	3/4	112,045
7	4,038	7	16,080	7	28,144	7	39,915	7	51,979	7	64,043	7	76,107	7	88,172	7	100,234	7	112,297
1/4	4,286	1/4	16,332	1/4	28,388	1/4	40,166	1/4	52,230	1/4	64,294	1/4	76,359	1/4	88,423	1/4	100,486	1/4	112,548
1/2	4,535	1/2	16,583	1/2	28,633	1/2	40,417	1/2	52,482	1/2	64,546	1/2	76,610	1/2	88,674	1/2	100,737	1/2	112,799
3/4	4,783	3/4	16,834	3/4	28,877	3/4	40,669	3/4	52,733	3/4	64,797	3/4	76,861	3/4	88,926	3/4	100,988	3/4	113,051
8	5,032	8	17,086	8	29,121	8	40,920	8	52,984	8	65,048	8	77,113	8	89,177	8	101,240	8	113,302
1/4	5,282	1/4	17,337	1/4	29,365	1/4	41,171	1/4	53,236	1/4	65,300	1/4	77,364	1/4	89,428	1/4	101,491	1/4	113,553
1/2	5,531	1/2	17,588	1/2	29,609	1/2	41,423	1/2	53,487	1/2	65,551	1/2	77,615	1/2	89,680	1/2	101,742	1/2	113,804
3/4	5,781	3/4	17,840	3/4	29,853	3/4	41,674	3/4	53,738	3/4	65,802	3/4	77,867	3/4	89,931	3/4	101,994	3/4	114,056
9	6,031	9	18,091	9	30,097	9	41,925	9	53,990	9	66,054	9	78,118	9	90,182	9	102,245	9	114,307
1/4	6,282	1/4	18,342	1/4	30,341	1/4	42,177	1/4	54,241	1/4	66,305	1/4	78,369	1/4	90,434	1/4	102,496	1/4	114,558
1/2	6,532	1/2	18,594	1/2	30,585	1/2	42,428	1/2	54,492	1/2	66,556	1/2	78,621	1/2	90,685	1/2	102,747	1/2	114,810
3/4	6,783	3/4	18,845	3/4	30,829	3/4	42,679	3/4	54,744	3/4	66,808	3/4	78,872	3/4	90,936	3/4	102,999	3/4	115,061
10	7,033	10	19,096	10	31,073	10	42,931	10	54,995	10	67,059	10	79,123	10	91,188	10	103,250	10	115,312
1/4	7,285	1/4	19,348	1/4	31,317	1/4	43,182	1/4	55,246	1/4	67,310	1/4	79,375	1/4	91,439	1/4	103,501	1/4	115,563
1/2	7,536	1/2	19,599	1/2	31,560	1/2	43,433	1/2	55,498	1/2	67,562	1/2	79,626	1/2	91,690	1/2	103,753	1/2	115,815
3/4	7,787	3/4	19,850	3/4	31,804	3/4	43,685	3/4	55,749	3/4	67,813	3/4	79,877	3/4	91,942	3/4	104,004	3/4	116,066
11	8,038	11	20,102	11	32,048	11	43,936	11	56,000	11	68,065	11	80,129	11	92,193	11	104,255	11	116,317
1/4	8,289	1/4	20,353	1/4	32,292	1/4	44,187	1/4	56,252	1/4	68,316	1/4	80,380	1/4	92,444	1/4	104,506	1/4	116,569
1/2	8,540	1/2	20,604	1/2	32,536	1/2	44,439	1/2	56,503	1/2	68,567	1/2	80,631	1/2	92,696	1/2	104,758	1/2	116,820
3/4	8,792	3/4	20,856	3/4	32,780	3/4	44,690	3/4	56,754	3/4	68,819	3/4	80,883	3/4	92,947	3/4	105,009	3/4	117,071

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 30'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1353"

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	117,323	0	129,385	0	141,447	0	153,442	0	165,400	0		0		0		0		0	
1/4	117,574	1/4	129,636	1/4	141,697	1/4	153,692	1/4	165,648	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	117,825	1/2	129,887	1/2	141,947	1/2	153,942	1/2	165,895	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	118,076	3/4	130,139	3/4	142,196	3/4	154,192	3/4	166,143	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	118,328	1	130,390	1	142,446	1	154,441	1	166,390	1	1	1	1	1	1	1	1	1	1
1/4	118,579	1/4	130,641	1/4	142,696	1/4	154,691	1/4	166,638	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,830	1/2	130,892	1/2	142,946	1/2	154,941	1/2	166,885	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,082	3/4	131,144	3/4	143,196	3/4	155,191	3/4	167,133	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	119,333	2	131,395	2	143,446	2	155,441	2	167,381	2	2	2	2	2	2	2	2	2	2
1/4	119,584	1/4	131,646	1/4	143,696	1/4	155,691	1/4	167,607	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,835	1/2	131,898	1/2	143,946	1/2	155,941	1/2	167,834	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	120,087	3/4	132,149	3/4	144,196	3/4	156,191	3/4	168,061	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	120,338	3	132,400	3	144,446	3	156,441	3	168,287	3	3	3	3	3	3	3	3	3	3
1/4	120,589	1/4	132,651	1/4	144,695	1/4	156,690	1/4	168,472	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	120,841	1/2	132,903	1/2	144,945	1/2	156,940	1/2	168,657	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	121,092	3/4	133,154	3/4	145,195	3/4	157,190	3/4	168,841	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	121,343	4	133,405	4	145,445	4	157,440	4	169,026	4	4	4	4	4	4	4	4	4	4
1/4	121,595	1/4	133,657	1/4	145,695	1/4	157,690	1/4	169,169	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	121,846	1/2	133,908	1/2	145,945	1/2	157,940	1/2	169,312	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	122,097	3/4	134,159	3/4	146,195	3/4	158,190	3/4	169,455	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	122,348	5	134,411	5	146,445	5	158,440	5	169,598	5	5	5	5	5	5	5	5	5	5
1/4	122,600	1/4	134,662	1/4	146,695	1/4	158,690	1/4	169,699	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	122,851	1/2	134,913	1/2	146,944	1/2	158,940	1/2	169,800	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	123,102	3/4	135,164	3/4	147,194	3/4	159,189	3/4	169,901	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	123,354	6	135,416	6	147,444	6	159,439	6	170,002	6	6	6	6	6	6	6	6	6	6
1/4	123,605	1/4	135,667	1/4	147,694	1/4	159,689	1/4	170,061	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	123,856	1/2	135,918	1/2	147,944	1/2	159,939	1/2	170,120	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	124,107	3/4	136,170	3/4	148,194	3/4	160,189	3/4	170,179	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	124,359	7	136,421	7	148,444	7	160,439	7	170,238	7	7	7	7	7	7	7	7	7	7
1/4	124,610	1/4	136,672	1/4	148,694	1/4	160,689	1/4	170,255	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	124,861	1/2	136,923	1/2	148,944	1/2	160,939	1/2	170,272	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	125,113	3/4	137,175	3/4	149,194	3/4	161,189	3/4	170,289	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	125,364	8	137,426	8	149,443	8	161,439	8	170,307	8	8	8	8	8	8	8	8	8	8
1/4	125,615	1/4	137,677	1/4	149,693	1/4	161,686	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	125,867	1/2	137,929	1/2	149,943	1/2	161,934	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	126,118	3/4	138,180	3/4	150,193	3/4	162,181	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	126,369	9	138,431	9	150,443	9	162,429	9		9	9	9	9	9	9	9	9	9	9
1/4	126,620	1/4	138,683	1/4	150,693	1/4	162,676	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	126,872	1/2	138,934	1/2	150,943	1/2	162,924	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	127,123	3/4	139,185	3/4	151,193	3/4	163,172	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	127,374	10	139,436	10	151,443	10	163,419	10		10	10	10	10	10	10	10	10	10	10
1/4	127,626	1/4	139,688	1/4	151,693	1/4	163,667	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	127,877	1/2	139,939	1/2	151,942	1/2	163,914	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	128,128	3/4	140,190	3/4	152,192	3/4	164,162	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	128,379	11	140,442	11	152,442	11	164,410	11		11	11	11	11	11	11	11	11	11	11
1/4	128,631	1/4	140,693	1/4	152,692	1/4	164,657	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	128,882	1/2	140,944	1/2	152,942	1/2	164,905	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	129,133	3/4	141,195	3/4	153,192	3/4	165,152	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/12/2012 CL
CALCULATED: 10/12/2012 CL
PRINTED: 10/12/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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



BARGE "CBC 1353"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

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	18,986	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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "CBC 1353"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	3/4	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	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	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	1/4	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	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	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/12/2012 CL
CALCULATED: 10/12/2012 CL
PRINTED: 10/12/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1353"

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	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 CENTER	00-0/8	- 00-0/8	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
3 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

(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 3 CENTER IS 00-3/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 3 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 3/8"

LENGTH BETWEEN DRAFT MARKS: 161'-09"

October 12, 2012

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588

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BARGE "CBC 1353"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/4"

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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	
0	0	0	147,117	0	139,280	0	129,867	0	120,433	0	110,985	0	100,372	0	89,617	0	78,861			
1/4	1/4	1/4	147,100	1/4	139,084	1/4	129,671	1/4	120,236	1/4	110,788	1/4	100,148	1/4	89,393	1/4	78,637			
1/2	1/2	1/2	147,047	1/2	138,888	1/2	129,475	1/2	120,039	1/2	110,592	1/2	99,924	1/2	89,169	1/2	78,412			
3/4	3/4	3/4	146,994	3/4	138,691	3/4	129,280	3/4	119,842	3/4	110,395	3/4	99,700	3/4	88,945	3/4	78,188			
1	1	1	146,940	1	138,495	1	129,084	1	119,646	1	110,198	1	99,476	1	88,721	1	77,964			
1/4	1/4	1/4	146,887	1/4	138,298	1/4	128,888	1/4	119,449	1/4	110,002	1/4	99,252	1/4	88,496	1/4	77,740			
1/2	1/2	1/2	146,796	1/2	138,102	1/2	128,692	1/2	119,252	1/2	109,778	1/2	99,028	1/2	88,272	1/2	77,516			
3/4	3/4	3/4	146,705	3/4	137,906	3/4	128,495	3/4	119,055	3/4	109,554	3/4	98,804	3/4	88,048	3/4	77,292			
2	2	2	146,614	2	137,709	2	128,299	2	118,858	2	109,330	2	98,580	2	87,824	2	77,068			
1/4	1/4	1/4	146,523	1/4	137,513	1/4	128,103	1/4	118,661	1/4	109,106	1/4	98,356	1/4	87,600	1/4	76,844			
1/2	1/2	1/2	146,394	1/2	137,316	1/2	127,906	1/2	118,464	1/2	108,883	1/2	98,132	1/2	87,376	1/2	76,620			
3/4	3/4	3/4	146,266	3/4	137,120	3/4	127,710	3/4	118,267	3/4	108,659	3/4	97,908	3/4	87,152	3/4	76,397			
3	3	3	146,138	3	136,924	3	127,513	3	118,070	3	108,435	3	97,684	3	86,928	3	76,174			
1/4	1/4	1/4	146,009	1/4	136,727	1/4	127,317	1/4	117,873	1/4	108,211	1/4	97,459	1/4	86,704	1/4	75,950			
1/2	1/2	1/2	145,844	1/2	136,531	1/2	127,121	1/2	117,676	1/2	107,987	1/2	97,235	1/2	86,480	1/2	75,728			
3/4	3/4	3/4	145,678	3/4	136,334	3/4	126,924	3/4	117,479	3/4	107,763	3/4	97,011	3/4	86,256	3/4	75,505			
4	4	4	145,512	4	136,138	4	126,728	4	117,283	4	107,540	4	96,787	4	86,032	4	75,282			
1/4	1/4	1/4	145,346	1/4	135,942	1/4	126,531	1/4	117,086	1/4	107,316	1/4	96,563	1/4	85,808	1/4	75,060			
1/2	1/2	1/2	145,143	1/2	135,745	1/2	126,335	1/2	116,889	1/2	107,092	1/2	96,339	1/2	85,583	1/2	74,837			
3/4	3/4	3/4	144,940	3/4	135,549	3/4	126,139	3/4	116,692	3/4	106,868	3/4	96,115	3/4	85,359	3/4	74,614			
5	5	5	144,737	5	135,352	5	125,942	5	116,495	5	106,644	5	95,891	5	85,135	5	74,392			
1/4	1/4	1/4	144,533	1/4	135,156	1/4	125,746	1/4	116,298	1/4	106,420	1/4	95,667	1/4	84,911	1/4	74,169			
1/2	1/2	1/2	144,339	1/2	134,960	1/2	125,549	1/2	116,101	1/2	106,197	1/2	95,443	1/2	84,687	1/2	73,946			
3/4	3/4	3/4	144,145	3/4	134,763	3/4	125,353	3/4	115,904	3/4	105,973	3/4	95,219	3/4	84,463	3/4	73,724			
6	6	6	143,950	6	134,567	6	125,157	6	115,707	6	105,749	6	94,995	6	84,239	6	73,501			
1/4	1/4	1/4	143,756	1/4	134,370	1/4	124,960	1/4	115,510	1/4	105,525	1/4	94,771	1/4	84,015	1/4	73,278			
1/2	1/2	1/2	143,562	1/2	134,174	1/2	124,764	1/2	115,313	1/2	105,301	1/2	94,546	1/2	83,791	1/2	73,056			
3/4	3/4	3/4	143,367	3/4	133,978	3/4	124,567	3/4	115,116	3/4	105,077	3/4	94,322	3/4	83,567	3/4	72,833			
7	7	7	143,173	7	133,781	7	124,371	7	114,919	7	104,854	7	94,098	7	83,343	7	72,610			
1/4	1/4	1/4	142,979	1/4	133,585	1/4	124,175	1/4	114,723	1/4	104,630	1/4	93,874	1/4	83,119	1/4	72,388			
1/2	1/2	1/2	142,784	1/2	133,389	1/2	123,978	1/2	114,526	1/2	104,406	1/2	93,650	1/2	82,895	1/2	72,165			
3/4	3/4	3/4	142,590	3/4	133,194	3/4	123,781	3/4	114,329	3/4	104,182	3/4	93,426	3/4	82,670	3/4	71,942			
8	8	8	142,396	8	132,998	8	123,584	8	114,132	8	103,958	8	93,202	8	82,446	8	71,720			
1/4	1/4	1/4	142,201	1/4	132,802	1/4	123,387	1/4	113,936	1/4	103,734	1/4	92,978	1/4	82,222	1/4	71,497			
1/2	1/2	1/2	142,007	1/2	132,606	1/2	123,190	1/2	113,739	1/2	103,509	1/2	92,754	1/2	81,998	1/2	71,274			
3/4	3/4	3/4	141,813	3/4	132,411	3/4	122,993	3/4	113,542	3/4	103,285	3/4	92,530	3/4	81,774	3/4	71,052			
9	9	9	141,618	9	132,215	9	122,796	9	113,346	9	103,061	9	92,306	9	81,550	9	70,829			
1/4	1/4	1/4	141,424	1/4	132,019	1/4	122,599	1/4	113,149	1/4	102,837	1/4	92,082	1/4	81,326	1/4	70,606			
1/2	1/2	1/2	141,230	1/2	131,824	1/2	122,402	1/2	112,952	1/2	102,613	1/2	91,858	1/2	81,102	1/2	70,384			
3/4	3/4	3/4	141,036	3/4	131,628	3/4	122,206	3/4	112,756	3/4	102,389	3/4	91,633	3/4	80,878	3/4	70,161			
10	10	10	140,841	10	131,432	10	122,009	10	112,559	10	102,165	10	91,409	10	80,653	10	69,938			
1/4	1/4	1/4	140,647	1/4	131,237	1/4	121,812	1/4	112,362	1/4	101,941	1/4	91,185	1/4	80,429	1/4	69,716			
1/2	1/2	1/2	140,453	1/2	131,041	1/2	121,615	1/2	112,165	1/2	101,717	1/2	90,961	1/2	80,205	1/2	69,492			
3/4	3/4	3/4	140,258	3/4	130,845	3/4	121,418	3/4	111,969	3/4	101,493	3/4	90,737	3/4	79,981	3/4	69,269			
11	11	11	140,064	11	130,649	11	121,221	11	111,772	11	101,269	11	90,513	11	79,757	11	69,046			
1/4	1/4	147,165	1/4	139,870	1/4	130,454	1/4	121,024	1/4	111,575	1/4	101,045	1/4	90,289	1/4	79,533	1/4	68,822		
1/2	1/2	147,149	1/2	139,673	1/2	130,258	1/2	120,827	1/2	111,379	1/2	100,821	1/2	90,065	1/2	79,309	1/2	68,599		
3/4	3/4	147,133	3/4	139,477	3/4	130,062	3/4	120,630	3/4	111,182	3/4	100,596	3/4	89,841	3/4	79,085	3/4	68,375		

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 26'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1353"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 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	68,152	0	57,403	0	46,650	0	35,898	0	25,348	0	14,598	0	3,834	0		0		0	
1/4	67,928	1/4	57,179	1/4	46,426	1/4	35,674	1/4	25,129	1/4	14,373	1/4	3,612	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,705	1/2	56,955	1/2	46,202	1/2	35,450	1/2	24,911	1/2	14,149	1/2	3,392	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,482	3/4	56,731	3/4	45,978	3/4	35,226	3/4	24,692	3/4	13,924	3/4	3,172	3/4	3/4	3/4	3/4	3/4	3/4
1	67,258	1	56,507	1	45,754	1	35,002	1	24,474	1	13,699	1	2,952	1	1	1	1	1	1
1/4	67,035	1/4	56,283	1/4	45,530	1/4	34,778	1/4	24,255	1/4	13,475	1/4	2,732	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,811	1/2	56,059	1/2	45,306	1/2	34,554	1/2	24,030	1/2	13,250	1/2	2,526	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,587	3/4	55,835	3/4	45,082	3/4	34,330	3/4	23,806	3/4	13,026	3/4	2,321	3/4	3/4	3/4	3/4	3/4	3/4
2	66,363	2	55,611	2	44,858	2	34,106	2	23,581	2	12,801	2	2,116	2	2	2	2	2	2
1/4	66,139	1/4	55,387	1/4	44,634	1/4	33,882	1/4	23,357	1/4	12,576	1/4	1,911	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,915	1/2	55,163	1/2	44,410	1/2	33,658	1/2	23,132	1/2	12,352	1/2	1,742	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,691	3/4	54,939	3/4	44,186	3/4	33,434	3/4	22,907	3/4	12,127	3/4	1,574	3/4	3/4	3/4	3/4	3/4	3/4
3	65,467	3	54,715	3	43,962	3	33,210	3	22,683	3	11,903	3	1,405	3	3	3	3	3	3
1/4	65,243	1/4	54,491	1/4	43,738	1/4	32,986	1/4	22,458	1/4	11,678	1/4	1,237	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,019	1/2	54,266	1/2	43,514	1/2	32,768	1/2	22,234	1/2	11,454	1/2	1,106	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,795	3/4	54,042	3/4	43,290	3/4	32,550	3/4	22,009	3/4	11,229	3/4	975	3/4	3/4	3/4	3/4	3/4	3/4
4	64,571	4	53,818	4	43,066	4	32,331	4	21,785	4	11,004	4	844	4	4	4	4	4	4
1/4	64,347	1/4	53,594	1/4	42,842	1/4	32,113	1/4	21,560	1/4	10,780	1/4	713	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,123	1/2	53,370	1/2	42,618	1/2	31,895	1/2	21,335	1/2	10,555	1/2	619	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,899	3/4	53,146	3/4	42,394	3/4	31,677	3/4	21,111	3/4	10,331	3/4	526	3/4	3/4	3/4	3/4	3/4	3/4
5	63,675	5	52,922	5	42,170	5	31,459	5	20,886	5	10,106	5	432	5	5	5	5	5	5
1/4	63,451	1/4	52,698	1/4	41,946	1/4	31,240	1/4	20,662	1/4	9,881	1/4	339	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,227	1/2	52,474	1/2	41,722	1/2	31,022	1/2	20,437	1/2	9,657	1/2	283	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,003	3/4	52,250	3/4	41,498	3/4	30,804	3/4	20,212	3/4	9,432	3/4	226	3/4	3/4	3/4	3/4	3/4	3/4
6	62,779	6	52,026	6	41,274	6	30,586	6	19,988	6	9,208	6	170	6	6	6	6	6	6
1/4	62,555	1/4	51,802	1/4	41,050	1/4	30,368	1/4	19,763	1/4	8,983	1/4	114	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,331	1/2	51,578	1/2	40,826	1/2	30,149	1/2	19,539	1/2	8,759	1/2	95	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,107	3/4	51,354	3/4	40,602	3/4	29,931	3/4	19,314	3/4	8,534	3/4	77	3/4	3/4	3/4	3/4	3/4	3/4
7	61,883	7	51,130	7	40,378	7	29,713	7	19,090	7	8,309	7	58	7	7	7	7	7	7
1/4	61,659	1/4	50,906	1/4	40,154	1/4	29,495	1/4	18,865	1/4	8,085	1/4	39	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,435	1/2	50,682	1/2	39,930	1/2	29,277	1/2	18,640	1/2	7,860	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,211	3/4	50,458	3/4	39,706	3/4	29,058	3/4	18,416	3/4	7,636	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	60,987	8	50,234	8	39,482	8	28,840	8	18,191	8	7,411	8	8	8	8	8	8	8	8
1/4	60,763	1/4	50,010	1/4	39,258	1/4	28,622	1/4	17,967	1/4	7,186	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,539	1/2	49,786	1/2	39,034	1/2	28,404	1/2	17,742	1/2	6,962	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,315	3/4	49,562	3/4	38,810	3/4	28,186	3/4	17,517	3/4	6,738	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	60,091	9	49,338	9	38,586	9	27,967	9	17,293	9	6,513	9	9	9	9	9	9	9	9
1/4	59,867	1/4	49,114	1/4	38,362	1/4	27,749	1/4	17,068	1/4	6,289	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,643	1/2	48,890	1/2	38,138	1/2	27,531	1/2	16,844	1/2	6,065	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,419	3/4	48,666	3/4	37,914	3/4	27,313	3/4	16,619	3/4	5,841	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	59,195	10	48,442	10	37,690	10	27,095	10	16,394	10	5,617	10	10	10	10	10	10	10	10
1/4	58,971	1/4	48,218	1/4	37,466	1/4	26,876	1/4	16,170	1/4	5,393	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,747	1/2	47,994	1/2	37,242	1/2	26,658	1/2	15,945	1/2	5,170	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,523	3/4	47,770	3/4	37,018	3/4	26,440	3/4	15,721	3/4	4,947	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	58,299	11	47,546	11	36,794	11	26,222	11	15,496	11	4,724	11	11	11	11	11	11	11	11
1/4	58,075	1/4	47,322	1/4	36,570	1/4	26,004	1/4	15,272	1/4	4,500	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,851	1/2	47,098	1/2	36,346	1/2	25,785	1/2	15,047	1/2	4,278	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,627	3/4	46,874	3/4	36,122	3/4	25,566	3/4	14,822	3/4	4,056	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/12/2012 CL
CALCULATED: 10/12/2012 CL
PRINTED: 10/12/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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



BARGE "CBC 1353"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	170,289	0	161,189	0	149,194	0	137,175	0	125,113	0	113,051	0	100,988	0	88,926
1/4	1/4	1/4	1/4	1/4	170,272	1/4	160,939	1/4	148,944	1/4	136,923	1/4	124,861	1/4	112,799	1/4	100,737	1/4	88,674
1/2	1/2	1/2	1/2	1/2	170,255	1/2	160,689	1/2	148,694	1/2	136,672	1/2	124,610	1/2	112,548	1/2	100,486	1/2	88,423
3/4	3/4	3/4	3/4	3/4	170,238	3/4	160,439	3/4	148,444	3/4	136,421	3/4	124,359	3/4	112,297	3/4	100,234	3/4	88,172
1		1		1	170,179	1	160,189	1	148,194	1	136,170	1	124,107	1	112,045	1	99,983	1	87,920
1/4	1/4	1/4	1/4	1/4	170,120	1/4	159,939	1/4	147,944	1/4	135,918	1/4	123,856	1/4	111,794	1/4	99,732	1/4	87,669
1/2	1/2	1/2	1/2	1/2	170,061	1/2	159,689	1/2	147,694	1/2	135,667	1/2	123,605	1/2	111,543	1/2	99,481	1/2	87,417
3/4	3/4	3/4	3/4	3/4	170,002	3/4	159,439	3/4	147,444	3/4	135,416	3/4	123,354	3/4	111,291	3/4	99,229	3/4	87,166
2		2		2	169,901	2	159,189	2	147,194	2	135,164	2	123,102	2	111,040	2	98,978	2	86,915
1/4	1/4	1/4	1/4	1/4	169,800	1/4	158,940	1/4	146,944	1/4	134,913	1/4	122,851	1/4	110,789	1/4	98,727	1/4	86,663
1/2	1/2	1/2	1/2	1/2	169,699	1/2	158,690	1/2	146,695	1/2	134,662	1/2	122,600	1/2	110,538	1/2	98,475	1/2	86,412
3/4	3/4	3/4	3/4	3/4	169,598	3/4	158,440	3/4	146,445	3/4	134,411	3/4	122,348	3/4	110,286	3/4	98,224	3/4	86,161
3		3		3	169,455	3	158,190	3	146,195	3	134,159	3	122,097	3	110,035	3	97,973	3	85,909
1/4	1/4	1/4	1/4	1/4	169,312	1/4	157,940	1/4	145,945	1/4	133,908	1/4	121,846	1/4	109,784	1/4	97,722	1/4	85,658
1/2	1/2	1/2	1/2	1/2	169,169	1/2	157,690	1/2	145,695	1/2	133,657	1/2	121,595	1/2	109,532	1/2	97,470	1/2	85,407
3/4	3/4	3/4	3/4	3/4	169,026	3/4	157,440	3/4	145,445	3/4	133,405	3/4	121,343	3/4	109,281	3/4	97,219	3/4	85,155
4		4		4	168,841	4	157,190	4	145,195	4	133,154	4	121,092	4	109,030	4	96,968	4	84,904
1/4	1/4	1/4	1/4	1/4	168,657	1/4	156,940	1/4	144,945	1/4	132,903	1/4	120,841	1/4	108,778	1/4	96,716	1/4	84,653
1/2	1/2	1/2	1/2	1/2	168,472	1/2	156,690	1/2	144,695	1/2	132,651	1/2	120,589	1/2	108,527	1/2	96,465	1/2	84,401
3/4	3/4	3/4	3/4	3/4	168,287	3/4	156,441	3/4	144,446	3/4	132,400	3/4	120,338	3/4	108,276	3/4	96,214	3/4	84,150
5		5		5	168,061	5	156,191	5	144,196	5	132,149	5	120,087	5	108,025	5	95,962	5	83,899
1/4	1/4	1/4	1/4	1/4	167,834	1/4	155,941	1/4	143,946	1/4	131,898	1/4	119,835	1/4	107,773	1/4	95,711	1/4	83,647
1/2	1/2	1/2	1/2	1/2	167,607	1/2	155,691	1/2	143,696	1/2	131,646	1/2	119,584	1/2	107,522	1/2	95,460	1/2	83,396
3/4	3/4	3/4	3/4	3/4	167,381	3/4	155,441	3/4	143,446	3/4	131,395	3/4	119,333	3/4	107,271	3/4	95,209	3/4	83,145
6		6		6	167,133	6	155,191	6	143,196	6	131,144	6	119,082	6	107,019	6	94,957	6	82,893
1/4	1/4	1/4	1/4	1/4	166,885	1/4	154,941	1/4	142,946	1/4	130,892	1/4	118,830	1/4	106,768	1/4	94,706	1/4	82,642
1/2	1/2	1/2	1/2	1/2	166,638	1/2	154,691	1/2	142,696	1/2	130,641	1/2	118,579	1/2	106,517	1/2	94,455	1/2	82,391
3/4	3/4	3/4	3/4	3/4	166,390	3/4	154,441	3/4	142,446	3/4	130,390	3/4	118,328	3/4	106,266	3/4	94,203	3/4	82,139
7		7		7	166,143	7	154,192	7	142,196	7	130,139	7	118,076	7	106,014	7	93,952	7	81,888
1/4	1/4	1/4	1/4	1/4	165,895	1/4	153,942	1/4	141,947	1/4	129,887	1/4	117,825	1/4	105,763	1/4	93,701	1/4	81,637
1/2	1/2	1/2	1/2	1/2	165,648	1/2	153,692	1/2	141,697	1/2	129,636	1/2	117,574	1/2	105,512	1/2	93,450	1/2	81,385
3/4	3/4	3/4	3/4	3/4	165,400	3/4	153,442	3/4	141,447	3/4	129,385	3/4	117,323	3/4	105,260	3/4	93,198	3/4	81,134
8		8		8	165,152	8	153,192	8	141,195	8	129,133	8	117,071	8	105,009	8	92,947	8	80,883
1/4	1/4	1/4	1/4	1/4	164,905	1/4	152,942	1/4	140,944	1/4	128,882	1/4	116,820	1/4	104,758	1/4	92,696	1/4	80,631
1/2	1/2	1/2	1/2	1/2	164,657	1/2	152,692	1/2	140,693	1/2	128,631	1/2	116,569	1/2	104,506	1/2	92,444	1/2	80,380
3/4	3/4	3/4	3/4	3/4	164,410	3/4	152,442	3/4	140,442	3/4	128,379	3/4	116,317	3/4	104,255	3/4	92,193	3/4	80,129
9		9		9	164,162	9	152,192	9	140,190	9	128,128	9	116,066	9	104,004	9	91,942	9	79,877
1/4	1/4	1/4	1/4	1/4	163,914	1/4	151,942	1/4	139,939	1/4	127,877	1/4	115,815	1/4	103,753	1/4	91,690	1/4	79,626
1/2	1/2	1/2	1/2	1/2	163,667	1/2	151,693	1/2	139,688	1/2	127,626	1/2	115,563	1/2	103,501	1/2	91,439	1/2	79,375
3/4	3/4	3/4	3/4	3/4	163,419	3/4	151,443	3/4	139,436	3/4	127,374	3/4	115,312	3/4	103,250	3/4	91,188	3/4	79,123
10		10		10	163,172	10	151,193	10	139,185	10	127,123	10	115,061	10	102,999	10	90,936	10	78,872
1/4	1/4	1/4	1/4	1/4	162,924	1/4	150,943	1/4	138,934	1/4	126,872	1/4	114,810	1/4	102,747	1/4	90,685	1/4	78,621
1/2	1/2	1/2	1/2	1/2	162,676	1/2	150,693	1/2	138,683	1/2	126,620	1/2	114,558	1/2	102,496	1/2	90,434	1/2	78,369
3/4	3/4	3/4	3/4	3/4	162,429	3/4	150,443	3/4	138,431	3/4	126,369	3/4	114,307	3/4	102,245	3/4	90,182	3/4	78,118
11		11		11	162,181	11	150,193	11	138,180	11	126,118	11	114,056	11	101,994	11	89,931	11	77,867
1/4	1/4	1/4	1/4	1/4	161,934	1/4	149,943	1/4	137,929	1/4	125,867	1/4	113,804	1/4	101,742	1/4	89,680	1/4	77,615
1/2	1/2	1/2	1/2	1/2	161,686	1/2	149,693	1/2	137,677	1/2	125,615	1/2	113,553	1/2	101,491	1/2	89,428	1/2	77,364
3/4	3/4	3/4	3/4	3/4	170,307	3/4	161,439	3/4	149,443	3/4	137,426	3/4	125,364	3/4	113,302	3/4	89,177	3/4	77,113

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 30'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1353"

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	76,861	0	64,797	0	52,733	0	40,669	0	28,877	0	16,834	0	4,783	0		0		0	
1/4	76,610	1/4	64,546	1/4	52,482	1/4	40,417	1/4	28,633	1/4	16,583	1/4	4,535	1/4	1/4		1/4		1/4
1/2	76,359	1/2	64,294	1/2	52,230	1/2	40,166	1/2	28,388	1/2	16,332	1/2	4,286	1/2	1/2		1/2		1/2
3/4	76,107	3/4	64,043	3/4	51,979	3/4	39,915	3/4	28,144	3/4	16,080	3/4	4,038	3/4	3/4		3/4		3/4
1	75,856	1	63,792	1	51,728	1	39,663	1	27,893	1	15,829	1	3,791	1	1		1		1
1/4	75,605	1/4	63,540	1/4	51,476	1/4	39,412	1/4	27,641	1/4	15,578	1/4	3,545	1/4	1/4		1/4		1/4
1/2	75,353	1/2	63,289	1/2	51,225	1/2	39,161	1/2	27,390	1/2	15,326	1/2	3,299	1/2	1/2		1/2		1/2
3/4	75,102	3/4	63,038	3/4	50,974	3/4	38,909	3/4	27,139	3/4	15,075	3/4	3,052	3/4	3/4		3/4		3/4
2	74,851	2	62,786	2	50,722	2	38,658	2	26,887	2	14,824	2	2,823	2	2		2		2
1/4	74,599	1/4	62,535	1/4	50,471	1/4	38,407	1/4	26,636	1/4	14,572	1/4	2,593	1/4	1/4		1/4		1/4
1/2	74,348	1/2	62,284	1/2	50,220	1/2	38,155	1/2	26,385	1/2	14,321	1/2	2,363	1/2	1/2		1/2		1/2
3/4	74,097	3/4	62,032	3/4	49,968	3/4	37,904	3/4	26,133	3/4	14,070	3/4	2,134	3/4	3/4		3/4		3/4
3	73,845	3	61,781	3	49,717	3	37,660	3	25,882	3	13,818	3	1,945	3	3		3		3
1/4	73,594	1/4	61,530	1/4	49,466	1/4	37,415	1/4	25,631	1/4	13,567	1/4	1,757	1/4	1/4		1/4		1/4
1/2	73,343	1/2	61,278	1/2	49,214	1/2	37,171	1/2	25,379	1/2	13,316	1/2	1,568	1/2	1/2		1/2		1/2
3/4	73,091	3/4	61,027	3/4	48,963	3/4	36,927	3/4	25,128	3/4	13,064	3/4	1,380	3/4	3/4		3/4		3/4
4	72,840	4	60,776	4	48,712	4	36,683	4	24,877	4	12,813	4	1,233	4	4		4		4
1/4	72,589	1/4	60,524	1/4	48,460	1/4	36,439	1/4	24,625	1/4	12,562	1/4	1,086	1/4	1/4		1/4		1/4
1/2	72,337	1/2	60,273	1/2	48,209	1/2	36,195	1/2	24,374	1/2	12,310	1/2	940	1/2	1/2		1/2		1/2
3/4	72,086	3/4	60,022	3/4	47,958	3/4	35,951	3/4	24,123	3/4	12,059	3/4	793	3/4	3/4		3/4		3/4
5	71,835	5	59,770	5	47,706	5	35,707	5	23,871	5	11,808	5	688	5	5		5		5
1/4	71,583	1/4	59,519	1/4	47,455	1/4	35,463	1/4	23,620	1/4	11,556	1/4	584	1/4	1/4		1/4		1/4
1/2	71,332	1/2	59,268	1/2	47,203	1/2	35,219	1/2	23,369	1/2	11,305	1/2	479	1/2	1/2		1/2		1/2
3/4	71,081	3/4	59,016	3/4	46,952	3/4	34,975	3/4	23,117	3/4	11,054	3/4	374	3/4	3/4		3/4		3/4
6	70,829	6	58,765	6	46,701	6	34,732	6	22,866	6	10,802	6	311	6	6		6		6
1/4	70,578	1/4	58,514	1/4	46,449	1/4	34,488	1/4	22,615	1/4	10,551	1/4	249	1/4	1/4		1/4		1/4
1/2	70,327	1/2	58,262	1/2	46,198	1/2	34,244	1/2	22,364	1/2	10,300	1/2	186	1/2	1/2		1/2		1/2
3/4	70,075	3/4	58,011	3/4	45,947	3/4	34,000	3/4	22,112	3/4	10,048	3/4	123	3/4	3/4		3/4		3/4
7	69,824	7	57,760	7	45,695	7	33,756	7	21,861	7	9,797	7	102	7	7		7		7
1/4	69,573	1/4	57,508	1/4	45,444	1/4	33,512	1/4	21,610	1/4	9,546	1/4	81	1/4	1/4		1/4		1/4
1/2	69,321	1/2	57,257	1/2	45,193	1/2	33,268	1/2	21,358	1/2	9,294	1/2	60	1/2	1/2		1/2		1/2
3/4	69,070	3/4	57,006	3/4	44,941	3/4	33,024	3/4	21,107	3/4	9,043	3/4	39	3/4	3/4		3/4		3/4
8	68,819	8	56,754	8	44,690	8	32,780	8	20,856	8	8,792	8		8	8		8		8
1/4	68,567	1/4	56,503	1/4	44,439	1/4	32,536	1/4	20,604	1/4	8,540	1/4		1/4	1/4		1/4		1/4
1/2	68,316	1/2	56,252	1/2	44,187	1/2	32,292	1/2	20,353	1/2	8,289	1/2		1/2	1/2		1/2		1/2
3/4	68,065	3/4	56,000	3/4	43,936	3/4	32,048	3/4	20,102	3/4	8,038	3/4		3/4	3/4		3/4		3/4
9	67,813	9	55,749	9	43,685	9	31,804	9	19,850	9	7,787	9		9	9		9		9
1/4	67,562	1/4	55,498	1/4	43,433	1/4	31,560	1/4	19,599	1/4	7,536	1/4		1/4	1/4		1/4		1/4
1/2	67,310	1/2	55,246	1/2	43,182	1/2	31,317	1/2	19,348	1/2	7,285	1/2		1/2	1/2		1/2		1/2
3/4	67,059	3/4	54,995	3/4	42,931	3/4	31,073	3/4	19,096	3/4	7,033	3/4		3/4	3/4		3/4		3/4
10	66,808	10	54,744	10	42,679	10	30,829	10	18,845	10	6,783	10		10	10		10		10
1/4	66,556	1/4	54,492	1/4	42,428	1/4	30,585	1/4	18,594	1/4	6,532	1/4		1/4	1/4		1/4		1/4
1/2	66,305	1/2	54,241	1/2	42,177	1/2	30,341	1/2	18,342	1/2	6,282	1/2		1/2	1/2		1/2		1/2
3/4	66,054	3/4	53,990	3/4	41,925	3/4	30,097	3/4	18,091	3/4	6,031	3/4		3/4	3/4		3/4		3/4
11	65,802	11	53,738	11	41,674	11	29,853	11	17,840	11	5,781	11		11	11		11		11
1/4	65,551	1/4	53,487	1/4	41,423	1/4	29,609	1/4	17,588	1/4	5,531	1/4		1/4	1/4		1/4		1/4
1/2	65,300	1/2	53,236	1/2	41,171	1/2	29,365	1/2	17,337	1/2	5,282	1/2		1/2	1/2		1/2		1/2
3/4	65,048	3/4	52,984	3/4	40,920	3/4	29,121	3/4	17,086	3/4	5,032	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/12/2012 CL
CALCULATED: 10/12/2012 CL
PRINTED: 10/12/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1353"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	151,599	0	143,717	0	133,056	0	122,375	0	111,655	0	100,935	0	90,214	0	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
1		1		1	151,538	1	142,828	1	132,167	1	121,481	1	110,761	1	100,041	1	89,321	1	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
2		2		2	151,328	2	141,940	2	131,279	2	120,588	2	109,868	2	99,148	2	88,428	2	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
3		3		3	150,969	3	141,051	3	130,390	3	119,695	3	108,975	3	98,255	3	87,534	3	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
4		4		4	150,461	4	140,163	4	129,502	4	118,801	4	108,081	4	97,361	4	86,641	4	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
5		5		5	149,804	5	139,275	5	128,613	5	117,908	5	107,188	5	96,468	5	85,748	5	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
6		6		6	148,998	6	138,386	6	127,725	6	117,015	6	106,295	6	95,575	6	84,854	6	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
7		7		7	148,118	7	137,498	7	126,836	7	116,121	7	105,401	7	94,681	7	83,961	7	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
8		8		8	147,238	8	136,609	8	125,948	8	115,228	8	104,508	8	93,788	8	83,068	8	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
9		9		9	146,357	9	135,721	9	125,055	9	114,335	9	103,615	9	92,895	9	82,174	9	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
10		10		10	145,477	10	134,832	10	124,161	10	113,441	10	102,721	10	92,001	10	81,281	10	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
11		11		11	144,597	11	133,944	11	123,268	11	112,548	11	101,828	11	91,108	11	80,387	11	69,665
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	1/4	69,442
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	1/2	69,219
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	3/4	68,995

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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 1353"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-08"

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	68,772	0	58,050	0	47,328	0	36,606	0	25,908	0	15,189	0	4,476	0		0		0	
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		1/4
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		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		3/4
1	67,878	1	57,157	1	46,435	1	35,713	1	25,015	1	14,295	1	3,593	1		1		1	
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		1/4
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		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		3/4
2	66,985	2	56,263	2	45,541	2	34,819	2	24,123	2	13,402	2	2,717	2		2		2	
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		1/4
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		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		3/4
3	66,092	3	55,370	3	44,648	3	33,926	3	23,230	3	12,509	3	1,901	3		3		3	
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		1/4
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		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		3/4
4	65,198	4	54,476	4	43,754	4	33,032	4	22,337	4	11,615	4	1,230	4		4		4	
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		1/4
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		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		3/4
5	64,305	5	53,583	5	42,861	5	32,142	5	21,443	5	10,722	5	709	5		5		5	
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		1/4
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		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		3/4
6	63,411	6	52,689	6	41,967	6	31,251	6	20,550	6	9,828	6	337	6		6		6	
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		1/4
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		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		3/4
7	62,518	7	51,796	7	41,074	7	30,361	7	19,656	7	8,935	7	114	7		7		7	
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		1/4
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		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		3/4
8	61,624	8	50,902	8	40,180	8	29,470	8	18,763	8	8,041	8	39	8		8		8	
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		1/4
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		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		3/4
9	60,731	9	50,009	9	39,287	9	28,579	9	17,869	9	7,148	9		9		9		9	
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		1/4
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		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		3/4
10	59,837	10	49,115	10	38,393	10	27,689	10	16,976	10	6,255	10		10		10		10	
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		1/4
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		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		3/4
11	58,944	11	48,222	11	37,500	11	26,798	11	16,082	11	5,364	11		11		11		11	
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		1/4		1/4
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		1/2		1/2
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		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CALCULATED: 10/12/2012 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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