



BARGE "CBC 1351"

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	00-0/8	- 00-0/8	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	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2

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

LENGTH BETWEEN DRAFT MARKS: 161'-09"

August 28, 2012

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

<http://www.pmacorp.net>



BARGE "CBC 1351"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07"

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	8,086	0	18,869	0	29,501	0	40,162	0	50,916	0	61,671	0	72,402	0	83,135	0	93,893
1/4	58	1/4	8,311	1/4	19,093	1/4	29,719	1/4	40,386	1/4	51,140	1/4	61,895	1/4	72,625	1/4	83,359	1/4	94,117
1/2	77	1/2	8,536	1/2	19,318	1/2	29,937	1/2	40,610	1/2	51,364	1/2	62,119	1/2	72,847	1/2	83,583	1/2	94,341
3/4	95	3/4	8,760	3/4	19,542	3/4	30,155	3/4	40,834	3/4	51,588	3/4	62,343	3/4	73,070	3/4	83,807	3/4	94,565
1	114	1	8,985	1	19,767	1	30,374	1	41,058	1	51,813	1	62,567	1	73,293	1	84,031	1	94,789
1/4	170	1/4	9,209	1/4	19,992	1/4	30,592	1/4	41,282	1/4	52,037	1/4	62,791	1/4	73,515	1/4	84,255	1/4	95,013
1/2	226	1/2	9,434	1/2	20,216	1/2	30,810	1/2	41,506	1/2	52,261	1/2	63,015	1/2	73,738	1/2	84,480	1/2	95,237
3/4	283	3/4	9,659	3/4	20,441	3/4	31,028	3/4	41,730	3/4	52,485	3/4	63,239	3/4	73,961	3/4	84,704	3/4	95,461
2	339	2	9,883	2	20,666	2	31,246	2	41,954	2	52,709	2	63,463	2	74,183	2	84,928	2	95,685
1/4	432	1/4	10,108	1/4	20,890	1/4	31,465	1/4	42,178	1/4	52,933	1/4	63,687	1/4	74,406	1/4	85,152	1/4	95,910
1/2	526	1/2	10,333	1/2	21,115	1/2	31,683	1/2	42,402	1/2	53,157	1/2	63,911	1/2	74,629	1/2	85,376	1/2	96,134
3/4	620	3/4	10,557	3/4	21,340	3/4	31,901	3/4	42,627	3/4	53,381	3/4	64,135	3/4	74,852	3/4	85,600	3/4	96,358
3	713	3	10,782	3	21,564	3	32,119	3	42,851	3	53,605	3	64,359	3	75,074	3	85,824	3	96,582
1/4	844	1/4	11,007	1/4	21,789	1/4	32,338	1/4	43,075	1/4	53,829	1/4	64,583	1/4	75,297	1/4	86,048	1/4	96,806
1/2	975	1/2	11,231	1/2	22,013	1/2	32,556	1/2	43,299	1/2	54,053	1/2	64,807	1/2	75,520	1/2	86,272	1/2	97,030
3/4	1,106	3/4	11,456	3/4	22,238	3/4	32,774	3/4	43,523	3/4	54,277	3/4	65,031	3/4	75,742	3/4	86,497	3/4	97,254
4	1,237	4	11,680	4	22,463	4	32,992	4	43,747	4	54,501	4	65,255	4	75,965	4	86,721	4	97,478
1/4	1,406	1/4	11,905	1/4	22,687	1/4	33,216	1/4	43,971	1/4	54,725	1/4	65,480	1/4	76,188	1/4	86,945	1/4	97,703
1/2	1,574	1/2	12,130	1/2	22,912	1/2	33,440	1/2	44,195	1/2	54,949	1/2	65,704	1/2	76,412	1/2	87,169	1/2	97,927
3/4	1,742	3/4	12,354	3/4	23,137	3/4	33,665	3/4	44,419	3/4	55,173	3/4	65,928	3/4	76,635	3/4	87,393	3/4	98,151
5	1,911	5	12,579	5	23,361	5	33,889	5	44,643	5	55,397	5	66,152	5	76,859	5	87,617	5	98,375
1/4	2,116	1/4	12,804	1/4	23,586	1/4	34,113	1/4	44,867	1/4	55,621	1/4	66,376	1/4	77,083	1/4	87,841	1/4	98,599
1/2	2,321	1/2	13,028	1/2	23,810	1/2	34,337	1/2	45,091	1/2	55,845	1/2	66,600	1/2	77,307	1/2	88,065	1/2	98,823
3/4	2,527	3/4	13,253	3/4	24,035	3/4	34,561	3/4	45,315	3/4	56,069	3/4	66,824	3/4	77,531	3/4	88,290	3/4	99,047
6	2,732	6	13,477	6	24,260	6	34,785	6	45,539	6	56,293	6	67,048	6	77,755	6	88,514	6	99,271
1/4	2,952	1/4	13,702	1/4	24,478	1/4	35,009	1/4	45,763	1/4	56,518	1/4	67,271	1/4	77,979	1/4	88,738	1/4	99,495
1/2	3,172	1/2	13,927	1/2	24,697	1/2	35,233	1/2	45,987	1/2	56,742	1/2	67,495	1/2	78,204	1/2	88,962	1/2	99,720
3/4	3,393	3/4	14,151	3/4	24,916	3/4	35,457	3/4	46,211	3/4	56,966	3/4	67,718	3/4	78,428	3/4	89,186	3/4	99,944
7	3,613	7	14,376	7	25,134	7	35,681	7	46,435	7	57,190	7	67,942	7	78,652	7	89,410	7	100,168
1/4	3,835	1/4	14,601	1/4	25,353	1/4	35,905	1/4	46,659	1/4	57,414	1/4	68,165	1/4	78,876	1/4	89,634	1/4	100,392
1/2	4,057	1/2	14,825	1/2	25,571	1/2	36,129	1/2	46,883	1/2	57,638	1/2	68,389	1/2	79,100	1/2	89,858	1/2	100,616
3/4	4,279	3/4	15,050	3/4	25,790	3/4	36,353	3/4	47,107	3/4	57,862	3/4	68,612	3/4	79,324	3/4	90,082	3/4	100,840
8	4,501	8	15,275	8	26,009	8	36,577	8	47,332	8	58,086	8	68,836	8	79,548	8	90,307	8	101,064
1/4	4,724	1/4	15,499	1/4	26,227	1/4	36,801	1/4	47,556	1/4	58,310	1/4	69,059	1/4	79,773	1/4	90,531	1/4	101,288
1/2	4,948	1/2	15,724	1/2	26,445	1/2	37,025	1/2	47,780	1/2	58,534	1/2	69,282	1/2	79,997	1/2	90,755	1/2	101,513
3/4	5,171	3/4	15,948	3/4	26,663	3/4	37,249	3/4	48,004	3/4	58,758	3/4	69,506	3/4	80,221	3/4	90,979	3/4	101,737
9	5,394	9	16,173	9	26,882	9	37,473	9	48,228	9	58,982	9	69,729	9	80,445	9	91,203	9	101,961
1/4	5,618	1/4	16,398	1/4	27,100	1/4	37,697	1/4	48,452	1/4	59,206	1/4	69,952	1/4	80,669	1/4	91,427	1/4	102,185
1/2	5,842	1/2	16,622	1/2	27,318	1/2	37,921	1/2	48,676	1/2	59,430	1/2	70,175	1/2	80,893	1/2	91,651	1/2	102,409
3/4	6,066	3/4	16,847	3/4	27,536	3/4	38,146	3/4	48,900	3/4	59,654	3/4	70,397	3/4	81,117	3/4	91,875	3/4	102,633
10	6,290	10	17,072	10	27,755	10	38,370	10	49,124	10	59,878	10	70,620	10	81,342	10	92,100	10	102,857
1/4	6,515	1/4	17,296	1/4	27,973	1/4	38,594	1/4	49,348	1/4	60,102	1/4	70,843	1/4	81,566	1/4	92,324	1/4	103,081
1/2	6,739	1/2	17,521	1/2	28,191	1/2	38,818	1/2	49,572	1/2	60,326	1/2	71,066	1/2	81,790	1/2	92,548	1/2	103,305
3/4	6,963	3/4	17,745	3/4	28,409	3/4	39,042	3/4	49,796	3/4	60,550	3/4	71,288	3/4	82,014	3/4	92,772	3/4	103,530
11	7,188	11	17,970	11	28,628	11	39,266	11	50,020	11	60,774	11	71,511	11	82,238	11	92,996	11	103,754
1/4	7,413	1/4	18,195	1/4	28,846	1/4	39,490	1/4	50,244	1/4	60,999	1/4	71,734	1/4	82,462	1/4	93,220	1/4	103,978
1/2	7,637	1/2	18,419	1/2	29,064	1/2	39,714	1/2	50,468	1/2	61,223	1/2	71,956	1/2	82,687	1/2	93,444	1/2	104,202
3/4	7,862	3/4	18,644	3/4	29,282	3/4	39,938	3/4	50,692	3/4	61,447	3/4	72,179	3/4	82,911	3/4	93,668	3/4	104,426

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 1351"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07"

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	104,650	0	114,745	0	124,199	0	133,611	0	143,007	0		0		0		0		0	
1/4	104,874	1/4	114,942	1/4	124,395	1/4	133,807	1/4	143,201	1/4		1/4		1/4		1/4		1/4	
1/2	105,098	1/2	115,139	1/2	124,592	1/2	134,004	1/2	143,395	1/2		1/2		1/2		1/2		1/2	
3/4	105,322	3/4	115,336	3/4	124,788	3/4	134,200	3/4	143,590	3/4		3/4		3/4		3/4		3/4	
1	105,546	1	115,533	1	124,985	1	134,397	1	143,784	1		1		1		1		1	
1/4	105,770	1/4	115,730	1/4	125,181	1/4	134,593	1/4	143,978	1/4		1/4		1/4		1/4		1/4	
1/2	105,993	1/2	115,927	1/2	125,377	1/2	134,789	1/2	144,173	1/2		1/2		1/2		1/2		1/2	
3/4	106,217	3/4	116,124	3/4	125,574	3/4	134,986	3/4	144,367	3/4		3/4		3/4		3/4		3/4	
2	106,441	2	116,321	2	125,770	2	135,182	2	144,562	2		2		2		2		2	
1/4	106,665	1/4	116,517	1/4	125,967	1/4	135,379	1/4	144,765	1/4		1/4		1/4		1/4		1/4	
1/2	106,889	1/2	116,714	1/2	126,163	1/2	135,575	1/2	144,968	1/2		1/2		1/2		1/2		1/2	
3/4	107,113	3/4	116,911	3/4	126,360	3/4	135,772	3/4	145,171	3/4		3/4		3/4		3/4		3/4	
3	107,337	3	117,108	3	126,556	3	135,968	3	145,375	3		3		3		3		3	
1/4	107,560	1/4	117,305	1/4	126,753	1/4	136,165	1/4	145,540	1/4		1/4		1/4		1/4		1/4	
1/2	107,784	1/2	117,502	1/2	126,949	1/2	136,361	1/2	145,706	1/2		1/2		1/2		1/2		1/2	
3/4	108,008	3/4	117,699	3/4	127,145	3/4	136,557	3/4	145,872	3/4		3/4		3/4		3/4		3/4	
4	108,232	4	117,896	4	127,342	4	136,754	4	146,038	4		4		4		4		4	
1/4	108,456	1/4	118,093	1/4	127,538	1/4	136,950	1/4	146,166	1/4		1/4		1/4		1/4		1/4	
1/2	108,680	1/2	118,290	1/2	127,735	1/2	137,147	1/2	146,295	1/2		1/2		1/2		1/2		1/2	
3/4	108,904	3/4	118,487	3/4	127,931	3/4	137,343	3/4	146,423	3/4		3/4		3/4		3/4		3/4	
5	109,128	5	118,684	5	128,128	5	137,540	5	146,551	5		5		5		5		5	
1/4	109,351	1/4	118,881	1/4	128,324	1/4	137,736	1/4	146,642	1/4		1/4		1/4		1/4		1/4	
1/2	109,575	1/2	119,078	1/2	128,520	1/2	137,932	1/2	146,733	1/2		1/2		1/2		1/2		1/2	
3/4	109,799	3/4	119,275	3/4	128,717	3/4	138,129	3/4	146,824	3/4		3/4		3/4		3/4		3/4	
6	110,023	6	119,472	6	128,913	6	138,325	6	146,915	6		6		6		6		6	
1/4	110,220	1/4	119,669	1/4	129,109	1/4	138,522	1/4	146,969	1/4		1/4		1/4		1/4		1/4	
1/2	110,417	1/2	119,866	1/2	129,305	1/2	138,718	1/2	147,022	1/2		1/2		1/2		1/2		1/2	
3/4	110,613	3/4	120,063	3/4	129,500	3/4	138,915	3/4	147,076	3/4		3/4		3/4		3/4		3/4	
7	110,810	7	120,260	7	129,696	7	139,111	7	147,129	7		7		7		7		7	
1/4	111,007	1/4	120,457	1/4	129,892	1/4	139,307	1/4	147,145	1/4		1/4		1/4		1/4		1/4	
1/2	111,204	1/2	120,654	1/2	130,088	1/2	139,504	1/2	147,161	1/2		1/2		1/2		1/2		1/2	
3/4	111,400	3/4	120,851	3/4	130,283	3/4	139,700	3/4		3/4		3/4		3/4		3/4		3/4	
8	111,597	8	121,048	8	130,479	8	139,897	8		8		8		8		8		8	
1/4	111,794	1/4	121,244	1/4	130,675	1/4	140,091	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,990	1/2	121,441	1/2	130,871	1/2	140,286	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,187	3/4	121,638	3/4	131,066	3/4	140,480	3/4		3/4		3/4		3/4		3/4		3/4	
9	112,384	9	121,835	9	131,262	9	140,674	9		9		9		9		9		9	
1/4	112,581	1/4	122,032	1/4	131,458	1/4	140,869	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,777	1/2	122,229	1/2	131,654	1/2	141,063	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,974	3/4	122,426	3/4	131,849	3/4	141,257	3/4		3/4		3/4		3/4		3/4		3/4	
10	113,171	10	122,623	10	132,045	10	141,452	10		10		10		10		10		10	
1/4	113,368	1/4	122,820	1/4	132,241	1/4	141,646	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,564	1/2	123,017	1/2	132,436	1/2	141,840	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,761	3/4	123,214	3/4	132,632	3/4	142,035	3/4		3/4		3/4		3/4		3/4		3/4	
11	113,958	11	123,411	11	132,828	11	142,229	11		11		11		11		11		11	
1/4	114,155	1/4	123,608	1/4	133,024	1/4	142,424	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,351	1/2	123,805	1/2	133,219	1/2	142,618	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,548	3/4	124,002	3/4	133,415	3/4	142,812	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/28/2012 CL
CALCULATED: 08/28/2012 CL
PRINTED: 08/28/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 1351"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	9,045	0	21,111	0	33,030	0	44,949	0	57,016	0	69,082	0	81,148	0	93,214	0	105,279
1/4	60	1/4	9,296	1/4	21,362	1/4	33,274	1/4	45,201	1/4	57,267	1/4	69,333	1/4	81,400	1/4	93,466	1/4	105,530
1/2	81	1/2	9,547	1/2	21,613	1/2	33,518	1/2	45,452	1/2	57,518	1/2	69,585	1/2	81,651	1/2	93,717	1/2	105,781
3/4	102	3/4	9,799	3/4	21,865	3/4	33,762	3/4	45,703	3/4	57,770	3/4	69,836	3/4	81,902	3/4	93,968	3/4	106,033
1	123	1	10,050	1	22,116	1	34,006	1	45,955	1	58,021	1	70,087	1	82,154	1	94,220	1	106,284
1/4	186	1/4	10,302	1/4	22,367	1/4	34,250	1/4	46,206	1/4	58,272	1/4	70,339	1/4	82,405	1/4	94,471	1/4	106,535
1/2	249	1/2	10,553	1/2	22,619	1/2	34,494	1/2	46,458	1/2	58,524	1/2	70,590	1/2	82,656	1/2	94,722	1/2	106,787
3/4	312	3/4	10,804	3/4	22,870	3/4	34,738	3/4	46,709	3/4	58,775	3/4	70,842	3/4	82,908	3/4	94,974	3/4	107,038
2	374	2	11,056	2	23,122	2	34,982	2	46,960	2	59,027	2	71,093	2	83,159	2	95,225	2	107,289
1/4	479	1/4	11,307	1/4	23,373	1/4	35,225	1/4	47,212	1/4	59,278	1/4	71,344	1/4	83,411	1/4	95,477	1/4	107,541
1/2	584	1/2	11,558	1/2	23,624	1/2	35,469	1/2	47,463	1/2	59,529	1/2	71,596	1/2	83,662	1/2	95,728	1/2	107,792
3/4	689	3/4	11,810	3/4	23,876	3/4	35,713	3/4	47,714	3/4	59,781	3/4	71,847	3/4	83,913	3/4	95,979	3/4	108,043
3	793	3	12,061	3	24,127	3	35,957	3	47,966	3	60,032	3	72,098	3	84,165	3	96,231	3	108,295
1/4	940	1/4	12,313	1/4	24,378	1/4	36,201	1/4	48,217	1/4	60,284	1/4	72,350	1/4	84,416	1/4	96,482	1/4	108,546
1/2	1,087	1/2	12,564	1/2	24,630	1/2	36,445	1/2	48,469	1/2	60,535	1/2	72,601	1/2	84,668	1/2	96,733	1/2	108,797
3/4	1,233	3/4	12,815	3/4	24,881	3/4	36,689	3/4	48,720	3/4	60,786	3/4	72,853	3/4	84,919	3/4	96,985	3/4	109,049
4	1,380	4	13,067	4	25,132	4	36,933	4	48,971	4	61,038	4	73,104	4	85,170	4	97,236	4	109,300
1/4	1,568	1/4	13,318	1/4	25,384	1/4	37,178	1/4	49,223	1/4	61,289	1/4	73,355	1/4	85,422	1/4	97,487	1/4	109,551
1/2	1,757	1/2	13,569	1/2	25,635	1/2	37,422	1/2	49,474	1/2	61,540	1/2	73,607	1/2	85,673	1/2	97,739	1/2	109,803
3/4	1,945	3/4	13,821	3/4	25,887	3/4	37,666	3/4	49,726	3/4	61,792	3/4	73,858	3/4	85,924	3/4	97,990	3/4	110,054
5	2,134	5	14,072	5	26,138	5	37,911	5	49,977	5	62,043	5	74,109	5	86,176	5	98,241	5	110,305
1/4	2,364	1/4	14,323	1/4	26,389	1/4	38,162	1/4	50,228	1/4	62,295	1/4	74,361	1/4	86,427	1/4	98,493	1/4	110,557
1/2	2,593	1/2	14,575	1/2	26,641	1/2	38,413	1/2	50,480	1/2	62,546	1/2	74,612	1/2	86,679	1/2	98,744	1/2	110,808
3/4	2,823	3/4	14,826	3/4	26,892	3/4	38,665	3/4	50,731	3/4	62,797	3/4	74,864	3/4	86,930	3/4	98,995	3/4	111,059
6	3,053	6	15,078	6	27,143	6	38,916	6	50,982	6	63,049	6	75,115	6	87,181	6	99,247	6	111,311
1/4	3,299	1/4	15,329	1/4	27,395	1/4	39,168	1/4	51,234	1/4	63,300	1/4	75,366	1/4	87,433	1/4	99,498	1/4	111,562
1/2	3,546	1/2	15,580	1/2	27,646	1/2	39,419	1/2	51,485	1/2	63,551	1/2	75,618	1/2	87,684	1/2	99,749	1/2	111,813
3/4	3,792	3/4	15,832	3/4	27,898	3/4	39,670	3/4	51,737	3/4	63,803	3/4	75,869	3/4	87,935	3/4	100,001	3/4	112,065
7	4,038	7	16,083	7	28,149	7	39,922	7	51,988	7	64,054	7	76,121	7	88,187	7	100,252	7	112,316
1/4	4,287	1/4	16,334	1/4	28,393	1/4	40,173	1/4	52,239	1/4	64,306	1/4	76,372	1/4	88,438	1/4	100,503	1/4	112,567
1/2	4,536	1/2	16,586	1/2	28,638	1/2	40,424	1/2	52,491	1/2	64,557	1/2	76,623	1/2	88,690	1/2	100,755	1/2	112,819
3/4	4,784	3/4	16,837	3/4	28,882	3/4	40,676	3/4	52,742	3/4	64,808	3/4	76,875	3/4	88,941	3/4	101,006	3/4	113,070
8	5,033	8	17,089	8	29,126	8	40,927	8	52,993	8	65,060	8	77,126	8	89,192	8	101,257	8	113,321
1/4	5,283	1/4	17,340	1/4	29,370	1/4	41,179	1/4	53,245	1/4	65,311	1/4	77,377	1/4	89,444	1/4	101,509	1/4	113,573
1/2	5,532	1/2	17,591	1/2	29,614	1/2	41,430	1/2	53,496	1/2	65,563	1/2	77,629	1/2	89,695	1/2	101,760	1/2	113,824
3/4	5,782	3/4	17,843	3/4	29,858	3/4	41,681	3/4	53,748	3/4	65,814	3/4	77,880	3/4	89,947	3/4	102,011	3/4	114,076
9	6,032	9	18,094	9	30,102	9	41,933	9	53,999	9	66,065	9	78,132	9	90,198	9	102,263	9	114,327
1/4	6,283	1/4	18,345	1/4	30,346	1/4	42,184	1/4	54,250	1/4	66,317	1/4	78,383	1/4	90,449	1/4	102,514	1/4	114,578
1/2	6,533	1/2	18,597	1/2	30,590	1/2	42,435	1/2	54,502	1/2	66,568	1/2	78,634	1/2	90,701	1/2	102,765	1/2	114,830
3/4	6,784	3/4	18,848	3/4	30,834	3/4	42,687	3/4	54,753	3/4	66,819	3/4	78,886	3/4	90,952	3/4	103,017	3/4	115,081
10	7,035	10	19,100	10	31,078	10	42,938	10	55,005	10	67,071	10	79,137	10	91,203	10	103,268	10	115,332
1/4	7,286	1/4	19,351	1/4	31,322	1/4	43,190	1/4	55,256	1/4	67,322	1/4	79,388	1/4	91,455	1/4	103,519	1/4	115,584
1/2	7,537	1/2	19,602	1/2	31,566	1/2	43,441	1/2	55,507	1/2	67,574	1/2	79,640	1/2	91,706	1/2	103,771	1/2	115,835
3/4	7,788	3/4	19,854	3/4	31,810	3/4	43,692	3/4	55,759	3/4	67,825	3/4	79,891	3/4	91,958	3/4	104,022	3/4	116,086
11	8,039	11	20,105	11	32,054	11	43,944	11	56,010	11	68,076	11	80,143	11	92,209	11	104,273	11	116,338
1/4	8,291	1/4	20,356	1/4	32,298	1/4	44,195	1/4	56,261	1/4	68,328	1/4	80,394	1/4	92,460	1/4	104,525	1/4	116,589
1/2	8,542	1/2	20,608	1/2	32,542	1/2	44,447	1/2	56,513	1/2	68,579	1/2	80,645	1/2	92,712	1/2	104,776	1/2	116,840
3/4	8,793	3/4	20,859	3/4	32,786	3/4	44,698	3/4	56,764	3/4	68,830	3/4	80,897	3/4	92,963	3/4	105,027	3/4	117,092

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
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1351"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	117,343	0	129,407	0	141,471	0	153,468	0	165,429	0		0		0		0		0	
1/4	117,594	1/4	129,658	1/4	141,721	1/4	153,718	1/4	165,676	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	117,846	1/2	129,910	1/2	141,971	1/2	153,968	1/2	165,924	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	118,097	3/4	130,161	3/4	142,221	3/4	154,218	3/4	166,172	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	118,348	1	130,412	1	142,471	1	154,468	1	166,419	1	1	1	1	1	1	1	1	1	1
1/4	118,600	1/4	130,664	1/4	142,721	1/4	154,718	1/4	166,667	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,851	1/2	130,915	1/2	142,971	1/2	154,968	1/2	166,914	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,102	3/4	131,166	3/4	143,221	3/4	155,218	3/4	167,162	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	119,354	2	131,418	2	143,471	2	155,468	2	167,410	2	2	2	2	2	2	2	2	2	2
1/4	119,605	1/4	131,669	1/4	143,721	1/4	155,718	1/4	167,636	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,856	1/2	131,920	1/2	143,971	1/2	155,968	1/2	167,863	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	120,108	3/4	132,172	3/4	144,221	3/4	156,218	3/4	168,090	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	120,359	3	132,423	3	144,471	3	156,468	3	168,316	3	3	3	3	3	3	3	3	3	3
1/4	120,610	1/4	132,675	1/4	144,721	1/4	156,718	1/4	168,501	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	120,862	1/2	132,926	1/2	144,971	1/2	156,968	1/2	168,686	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	121,113	3/4	133,177	3/4	145,220	3/4	157,218	3/4	168,871	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	121,364	4	133,429	4	145,470	4	157,468	4	169,056	4	4	4	4	4	4	4	4	4	4
1/4	121,616	1/4	133,680	1/4	145,720	1/4	157,717	1/4	169,198	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	121,867	1/2	133,931	1/2	145,970	1/2	157,967	1/2	169,341	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	122,118	3/4	134,183	3/4	146,220	3/4	158,217	3/4	169,484	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	122,370	5	134,434	5	146,470	5	158,467	5	169,627	5	5	5	5	5	5	5	5	5	5
1/4	122,621	1/4	134,685	1/4	146,720	1/4	158,717	1/4	169,728	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	122,872	1/2	134,937	1/2	146,970	1/2	158,967	1/2	169,829	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	123,124	3/4	135,188	3/4	147,220	3/4	159,217	3/4	169,930	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	123,375	6	135,439	6	147,470	6	159,467	6	170,031	6	6	6	6	6	6	6	6	6	6
1/4	123,626	1/4	135,691	1/4	147,720	1/4	159,717	1/4	170,090	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	123,878	1/2	135,942	1/2	147,970	1/2	159,967	1/2	170,149	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	124,129	3/4	136,193	3/4	148,220	3/4	160,217	3/4	170,208	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	124,380	7	136,445	7	148,470	7	160,467	7	170,267	7	7	7	7	7	7	7	7	7	7
1/4	124,632	1/4	136,696	1/4	148,720	1/4	160,717	1/4	170,285	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	124,883	1/2	136,947	1/2	148,970	1/2	160,967	1/2	170,302	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	125,134	3/4	137,199	3/4	149,219	3/4	161,217	3/4	170,319	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	125,386	8	137,450	8	149,469	8	161,467	8	170,336	8	8	8	8	8	8	8	8	8	8
1/4	125,637	1/4	137,701	1/4	149,719	1/4	161,714	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	125,888	1/2	137,953	1/2	149,969	1/2	161,962	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	126,140	3/4	138,204	3/4	150,219	3/4	162,209	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	126,391	9	138,455	9	150,469	9	162,457	9		9	9	9	9	9	9	9	9	9	9
1/4	126,642	1/4	138,707	1/4	150,719	1/4	162,705	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	126,894	1/2	138,958	1/2	150,969	1/2	162,952	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	127,145	3/4	139,209	3/4	151,219	3/4	163,200	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	127,396	10	139,461	10	151,469	10	163,448	10		10	10	10	10	10	10	10	10	10	10
1/4	127,648	1/4	139,712	1/4	151,719	1/4	163,695	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	127,899	1/2	139,963	1/2	151,969	1/2	163,943	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	128,150	3/4	140,215	3/4	152,219	3/4	164,191	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	128,402	11	140,466	11	152,469	11	164,438	11		11	11	11	11	11	11	11	11	11	11
1/4	128,653	1/4	140,717	1/4	152,719	1/4	164,686	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	128,904	1/2	140,969	1/2	152,969	1/2	164,933	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	129,156	3/4	141,220	3/4	153,219	3/4	165,181	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: 08/28/2012 CL
CALCULATED: 08/28/2012 CL
PRINTED: 08/28/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2012

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



BARGE "CBC 1351"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	39	0	8,038	0	18,755	0	29,458	0	40,165	0	50,882	0	61,600	0	72,318	0	83,035	0	93,751
1/4	58	1/4	8,261	1/4	18,979	1/4	29,681	1/4	40,388	1/4	51,106	1/4	61,823	1/4	72,541	1/4	83,259	1/4	93,974
1/2	77	1/2	8,485	1/2	19,202	1/2	29,904	1/2	40,611	1/2	51,329	1/2	62,047	1/2	72,764	1/2	83,482	1/2	94,198
3/4	95	3/4	8,708	3/4	19,425	3/4	30,126	3/4	40,834	3/4	51,552	3/4	62,270	3/4	72,987	3/4	83,705	3/4	94,421
1	114	1	8,931	1	19,648	1	30,349	1	41,058	1	51,775	1	62,493	1	73,211	1	83,928	1	94,644
1/4	170	1/4	9,155	1/4	19,872	1/4	30,571	1/4	41,281	1/4	51,999	1/4	62,716	1/4	73,434	1/4	84,152	1/4	94,867
1/2	225	1/2	9,378	1/2	20,095	1/2	30,794	1/2	41,504	1/2	52,222	1/2	62,940	1/2	73,657	1/2	84,375	1/2	95,091
3/4	281	3/4	9,601	3/4	20,318	3/4	31,016	3/4	41,728	3/4	52,445	3/4	63,163	3/4	73,881	3/4	84,598	3/4	95,314
2	337	2	9,824	2	20,542	2	31,239	2	41,951	2	52,669	2	63,386	2	74,104	2	84,821	2	95,537
1/4	430	1/4	10,048	1/4	20,765	1/4	31,462	1/4	42,174	1/4	52,892	1/4	63,610	1/4	74,327	1/4	85,045	1/4	95,760
1/2	523	1/2	10,271	1/2	20,988	1/2	31,684	1/2	42,397	1/2	53,115	1/2	63,833	1/2	74,550	1/2	85,268	1/2	95,984
3/4	616	3/4	10,494	3/4	21,211	3/4	31,907	3/4	42,621	3/4	53,338	3/4	64,056	3/4	74,774	3/4	85,491	3/4	96,207
3	709	3	10,717	3	21,435	3	32,129	3	42,844	3	53,562	3	64,279	3	74,997	3	85,714	3	96,430
1/4	839	1/4	10,941	1/4	21,658	1/4	32,352	1/4	43,067	1/4	53,785	1/4	64,503	1/4	75,220	1/4	85,938	1/4	96,653
1/2	970	1/2	11,164	1/2	21,881	1/2	32,574	1/2	43,291	1/2	54,008	1/2	64,726	1/2	75,444	1/2	86,161	1/2	96,877
3/4	1,100	3/4	11,387	3/4	22,105	3/4	32,797	3/4	43,514	3/4	54,232	3/4	64,949	3/4	75,667	3/4	86,384	3/4	97,100
4	1,230	4	11,611	4	22,328	4	33,020	4	43,737	4	54,455	4	65,173	4	75,890	4	86,607	4	97,323
1/4	1,397	1/4	11,834	1/4	22,551	1/4	33,243	1/4	43,960	1/4	54,678	1/4	65,396	1/4	76,113	1/4	86,830	1/4	97,546
1/2	1,565	1/2	12,057	1/2	22,774	1/2	33,466	1/2	44,184	1/2	54,901	1/2	65,619	1/2	76,337	1/2	87,054	1/2	97,770
3/4	1,732	3/4	12,280	3/4	22,998	3/4	33,689	3/4	44,407	3/4	55,125	3/4	65,842	3/4	76,560	3/4	87,277	3/4	97,993
5	1,900	5	12,504	5	23,221	5	33,913	5	44,630	5	55,348	5	66,066	5	76,783	5	87,500	5	98,216
1/4	2,104	1/4	12,727	1/4	23,444	1/4	34,136	1/4	44,854	1/4	55,571	1/4	66,289	1/4	77,007	1/4	87,723	1/4	98,439
1/2	2,308	1/2	12,950	1/2	23,667	1/2	34,359	1/2	45,077	1/2	55,795	1/2	66,512	1/2	77,230	1/2	87,947	1/2	98,663
3/4	2,512	3/4	13,173	3/4	23,891	3/4	34,583	3/4	45,300	3/4	56,018	3/4	66,736	3/4	77,453	3/4	88,170	3/4	98,886
6	2,716	6	13,397	6	24,114	6	34,806	6	45,523	6	56,241	6	66,959	6	77,676	6	88,393	6	99,109
1/4	2,935	1/4	13,620	1/4	24,337	1/4	35,029	1/4	45,747	1/4	56,464	1/4	67,182	1/4	77,900	1/4	88,616	1/4	99,332
1/2	3,154	1/2	13,843	1/2	24,560	1/2	35,252	1/2	45,970	1/2	56,688	1/2	67,405	1/2	78,123	1/2	88,840	1/2	99,556
3/4	3,373	3/4	14,067	3/4	24,783	3/4	35,476	3/4	46,193	3/4	56,911	3/4	67,629	3/4	78,346	3/4	89,063	3/4	99,779
7	3,591	7	14,290	7	25,006	7	35,699	7	46,417	7	57,134	7	67,852	7	78,570	7	89,286	7	100,002
1/4	3,812	1/4	14,513	1/4	25,229	1/4	35,922	1/4	46,640	1/4	57,358	1/4	68,075	1/4	78,793	1/4	89,509	1/4	100,225
1/2	4,033	1/2	14,736	1/2	25,452	1/2	36,146	1/2	46,863	1/2	57,581	1/2	68,299	1/2	79,016	1/2	89,733	1/2	100,449
3/4	4,254	3/4	14,960	3/4	25,674	3/4	36,369	3/4	47,086	3/4	57,804	3/4	68,522	3/4	79,239	3/4	89,956	3/4	100,672
8	4,475	8	15,183	8	25,897	8	36,592	8	47,310	8	58,027	8	68,745	8	79,463	8	90,179	8	100,895
1/4	4,696	1/4	15,406	1/4	26,120	1/4	36,815	1/4	47,533	1/4	58,251	1/4	68,968	1/4	79,686	1/4	90,402	1/4	101,118
1/2	4,918	1/2	15,630	1/2	26,343	1/2	37,039	1/2	47,756	1/2	58,474	1/2	69,192	1/2	79,909	1/2	90,626	1/2	101,342
3/4	5,140	3/4	15,853	3/4	26,565	3/4	37,262	3/4	47,980	3/4	58,697	3/4	69,415	3/4	80,133	3/4	90,849	3/4	101,565
9	5,362	9	16,076	9	26,788	9	37,485	9	48,203	9	58,921	9	69,638	9	80,356	9	91,072	9	101,788
1/4	5,585	1/4	16,299	1/4	27,010	1/4	37,708	1/4	48,426	1/4	59,144	1/4	69,861	1/4	80,579	1/4	91,295	1/4	102,011
1/2	5,808	1/2	16,523	1/2	27,233	1/2	37,932	1/2	48,649	1/2	59,367	1/2	70,085	1/2	80,802	1/2	91,519	1/2	102,235
3/4	6,030	3/4	16,746	3/4	27,455	3/4	38,155	3/4	48,873	3/4	59,590	3/4	70,308	3/4	81,026	3/4	91,742	3/4	102,458
10	6,253	10	16,969	10	27,678	10	38,378	10	49,096	10	59,814	10	70,531	10	81,249	10	91,965	10	102,681
1/4	6,476	1/4	17,192	1/4	27,900	1/4	38,602	1/4	49,319	1/4	60,037	1/4	70,755	1/4	81,472	1/4	92,188	1/4	102,904
1/2	6,699	1/2	17,416	1/2	28,123	1/2	38,825	1/2	49,543	1/2	60,260	1/2	70,978	1/2	81,696	1/2	92,412	1/2	103,128
3/4	6,922	3/4	17,639	3/4	28,346	3/4	39,048	3/4	49,766	3/4	60,484	3/4	71,201	3/4	81,919	3/4	92,635	3/4	103,351
11	7,145	11	17,862	11	28,568	11	39,271	11	49,989	11	60,707	11	71,424	11	82,142	11	92,858	11	103,574
1/4	7,368	1/4	18,086	1/4	28,791	1/4	39,495	1/4	50,212	1/4	60,930	1/4	71,648	1/4	82,365	1/4	93,081	1/4	103,797
1/2	7,592	1/2	18,309	1/2	29,013	1/2	39,718	1/2	50,436	1/2	61,153	1/2	71,871	1/2	82,589	1/2	93,305	1/2	104,021
3/4	7,815	3/4	18,532	3/4	29,236	3/4	39,941	3/4	50,659	3/4	61,377	3/4	72,094	3/4	82,812	3/4	93,528	3/4	104,244

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'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "CBC 1351"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	104,467	0	115,183	0	125,899	0	136,556	0	147,180	0		0		0		0		0	
1/4	104,690	1/4	115,406	1/4	126,121	1/4	136,778	1/4	147,400	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	104,913	1/2	115,629	1/2	126,343	1/2	137,000	1/2	147,620	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,137	3/4	115,853	3/4	126,565	3/4	137,222	3/4	147,840	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	105,360	1	116,076	1	126,787	1	137,444	1	148,060	1	1	1	1	1	1	1	1	1	1
1/4	105,583	1/4	116,299	1/4	127,009	1/4	137,666	1/4	148,280	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,806	1/2	116,522	1/2	127,231	1/2	137,888	1/2	148,500	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,030	3/4	116,746	3/4	127,453	3/4	138,110	3/4	148,720	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	106,253	2	116,969	2	127,675	2	138,332	2	148,940	2	2	2	2	2	2	2	2	2	2
1/4	106,476	1/4	117,192	1/4	127,897	1/4	138,554	1/4	149,141	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,699	1/2	117,415	1/2	128,119	1/2	138,776	1/2	149,343	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,923	3/4	117,639	3/4	128,341	3/4	138,998	3/4	149,544	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	107,146	3	117,862	3	128,563	3	139,220	3	149,745	3	3	3	3	3	3	3	3	3	3
1/4	107,369	1/4	118,085	1/4	128,785	1/4	139,442	1/4	149,909	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	107,592	1/2	118,308	1/2	129,007	1/2	139,664	1/2	150,074	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,816	3/4	118,532	3/4	129,229	3/4	139,886	3/4	150,238	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	108,039	4	118,755	4	129,451	4	140,108	4	150,402	4	4	4	4	4	4	4	4	4	4
1/4	108,262	1/4	118,978	1/4	129,673	1/4	140,330	1/4	150,529	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	108,485	1/2	119,201	1/2	129,895	1/2	140,552	1/2	150,656	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,709	3/4	119,425	3/4	130,117	3/4	140,774	3/4	150,783	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	108,932	5	119,648	5	130,339	5	140,996	5	150,910	5	5	5	5	5	5	5	5	5	5
1/4	109,155	1/4	119,871	1/4	130,561	1/4	141,218	1/4	150,999	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,378	1/2	120,094	1/2	130,783	1/2	141,440	1/2	151,089	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,602	3/4	120,318	3/4	131,005	3/4	141,662	3/4	151,179	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	109,825	6	120,541	6	131,227	6	141,884	6	151,269	6	6	6	6	6	6	6	6	6	6
1/4	110,048	1/4	120,764	1/4	131,449	1/4	142,106	1/4	151,321	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,271	1/2	120,987	1/2	131,671	1/2	142,328	1/2	151,374	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,495	3/4	121,211	3/4	131,893	3/4	142,550	3/4	151,426	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	110,718	7	121,434	7	132,115	7	142,772	7	151,479	7	7	7	7	7	7	7	7	7	7
1/4	110,941	1/4	121,657	1/4	132,337	1/4	142,994	1/4	151,494	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,164	1/2	121,880	1/2	132,559	1/2	143,217	1/2	151,509	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,388	3/4	122,104	3/4	132,781	3/4	143,439	3/4	151,524	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	111,611	8	122,327	8	133,003	8	143,661	8	151,540	8	8	8	8	8	8	8	8	8	8
1/4	111,834	1/4	122,550	1/4	133,225	1/4	143,881	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,057	1/2	122,773	1/2	133,447	1/2	144,100	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,281	3/4	122,997	3/4	133,670	3/4	144,320	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	112,504	9	123,220	9	133,892	9	144,540	9		9	9	9	9	9	9	9	9	9	9
1/4	112,727	1/4	123,443	1/4	134,114	1/4	144,760	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,950	1/2	123,666	1/2	134,336	1/2	144,980	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,174	3/4	123,889	3/4	134,558	3/4	145,200	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	113,397	10	124,113	10	134,780	10	145,420	10		10	10	10	10	10	10	10	10	10	10
1/4	113,620	1/4	124,336	1/4	135,002	1/4	145,640	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,843	1/2	124,559	1/2	135,224	1/2	145,860	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,067	3/4	124,782	3/4	135,446	3/4	146,080	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	114,290	11	125,006	11	135,668	11	146,300	11		11	11	11	11	11	11	11	11	11	11
1/4	114,513	1/4	125,229	1/4	135,890	1/4	146,520	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,736	1/2	125,452	1/2	136,112	1/2	146,740	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,960	3/4	125,675	3/4	136,334	3/4	146,960	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: 08/28/2012 CL
CALCULATED: 08/28/2012 CL
PRINTED: 08/28/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2012

PRECISION MEASUREMENT
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BARGE "CBC 1351"

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	- 00-0/8	00-0/8	- 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	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2

(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 00-1/2"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 3 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/2"

LENGTH BETWEEN DRAFT MARKS: 161'-09"

August 28, 2012

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588

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BARGE "CBC 1351"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07"

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	147,129	0	139,111	0	129,696	0	120,260	0	110,810	0	100,168	0	89,410	0	78,652		
1/4	1/4	1/4	147,076	1/4	138,915	1/4	129,500	1/4	120,063	1/4	110,613	1/4	99,944	1/4	89,186	1/4	78,428		
1/2	1/2	1/2	147,022	1/2	138,718	1/2	129,305	1/2	119,866	1/2	110,417	1/2	99,720	1/2	88,962	1/2	78,204		
3/4	3/4	3/4	146,969	3/4	138,522	3/4	129,109	3/4	119,669	3/4	110,220	3/4	99,495	3/4	88,738	3/4	77,979		
1	1	1	146,915	1	138,325	1	128,913	1	119,472	1	110,023	1	99,271	1	88,514	1	77,755		
1/4	1/4	1/4	146,824	1/4	138,129	1/4	128,717	1/4	119,275	1/4	109,799	1/4	99,047	1/4	88,290	1/4	77,531		
1/2	1/2	1/2	146,733	1/2	137,932	1/2	128,520	1/2	119,078	1/2	109,575	1/2	98,823	1/2	88,065	1/2	77,307		
3/4	3/4	3/4	146,642	3/4	137,736	3/4	128,324	3/4	118,881	3/4	109,351	3/4	98,599	3/4	87,841	3/4	77,083		
2	2	2	146,551	2	137,540	2	128,128	2	118,684	2	109,128	2	98,375	2	87,617	2	76,859		
1/4	1/4	1/4	146,423	1/4	137,343	1/4	127,931	1/4	118,487	1/4	108,904	1/4	98,151	1/4	87,393	1/4	76,635		
1/2	1/2	1/2	146,295	1/2	137,147	1/2	127,735	1/2	118,290	1/2	108,680	1/2	97,927	1/2	87,169	1/2	76,412		
3/4	3/4	3/4	146,166	3/4	136,950	3/4	127,538	3/4	118,093	3/4	108,456	3/4	97,703	3/4	86,945	3/4	76,188		
3	3	3	146,038	3	136,754	3	127,342	3	117,896	3	108,232	3	97,478	3	86,721	3	75,965		
1/4	1/4	1/4	145,872	1/4	136,557	1/4	127,145	1/4	117,699	1/4	108,008	1/4	97,254	1/4	86,497	1/4	75,742		
1/2	1/2	1/2	145,706	1/2	136,361	1/2	126,949	1/2	117,502	1/2	107,784	1/2	97,030	1/2	86,272	1/2	75,520		
3/4	3/4	3/4	145,540	3/4	136,165	3/4	126,753	3/4	117,305	3/4	107,560	3/4	96,806	3/4	86,048	3/4	75,297		
4	4	4	145,375	4	135,968	4	126,556	4	117,108	4	107,337	4	96,582	4	85,824	4	75,074		
1/4	1/4	1/4	145,171	1/4	135,772	1/4	126,360	1/4	116,911	1/4	107,113	1/4	96,358	1/4	85,600	1/4	74,852		
1/2	1/2	1/2	144,968	1/2	135,575	1/2	126,163	1/2	116,714	1/2	106,889	1/2	96,134	1/2	85,376	1/2	74,629		
3/4	3/4	3/4	144,765	3/4	135,379	3/4	125,967	3/4	116,517	3/4	106,665	3/4	95,910	3/4	85,152	3/4	74,406		
5	5	5	144,562	5	135,182	5	125,770	5	116,321	5	106,441	5	95,685	5	84,928	5	74,183		
1/4	1/4	1/4	144,367	1/4	134,986	1/4	125,574	1/4	116,124	1/4	106,217	1/4	95,461	1/4	84,704	1/4	73,961		
1/2	1/2	1/2	144,173	1/2	134,789	1/2	125,377	1/2	115,927	1/2	105,993	1/2	95,237	1/2	84,480	1/2	73,738		
3/4	3/4	3/4	143,978	3/4	134,593	3/4	125,181	3/4	115,730	3/4	105,770	3/4	95,013	3/4	84,255	3/4	73,515		
6	6	6	143,784	6	134,397	6	124,985	6	115,533	6	105,546	6	94,789	6	84,031	6	73,293		
1/4	1/4	1/4	143,590	1/4	134,200	1/4	124,788	1/4	115,336	1/4	105,322	1/4	94,565	1/4	83,807	1/4	73,070		
1/2	1/2	1/2	143,395	1/2	134,004	1/2	124,592	1/2	115,139	1/2	105,098	1/2	94,341	1/2	83,583	1/2	72,847		
3/4	3/4	3/4	143,201	3/4	133,807	3/4	124,395	3/4	114,942	3/4	104,874	3/4	94,117	3/4	83,359	3/4	72,625		
7	7	7	143,007	7	133,611	7	124,199	7	114,745	7	104,650	7	93,893	7	83,135	7	72,402		
1/4	1/4	1/4	142,812	1/4	133,415	1/4	124,002	1/4	114,548	1/4	104,426	1/4	93,668	1/4	82,911	1/4	72,179		
1/2	1/2	1/2	142,618	1/2	133,219	1/2	123,805	1/2	114,351	1/2	104,202	1/2	93,444	1/2	82,687	1/2	71,956		
3/4	3/4	3/4	142,424	3/4	133,024	3/4	123,608	3/4	114,155	3/4	103,978	3/4	93,220	3/4	82,462	3/4	71,734		
8	8	8	142,229	8	132,828	8	123,411	8	113,958	8	103,754	8	92,996	8	82,238	8	71,511		
1/4	1/4	1/4	142,035	1/4	132,632	1/4	123,214	1/4	113,761	1/4	103,530	1/4	92,772	1/4	82,014	1/4	71,288		
1/2	1/2	1/2	141,840	1/2	132,436	1/2	123,017	1/2	113,564	1/2	103,305	1/2	92,548	1/2	81,790	1/2	71,066		
3/4	3/4	3/4	141,646	3/4	132,241	3/4	122,820	3/4	113,368	3/4	103,081	3/4	92,324	3/4	81,566	3/4	70,843		
9	9	9	141,452	9	132,045	9	122,623	9	113,171	9	102,857	9	92,100	9	81,342	9	70,620		
1/4	1/4	1/4	141,257	1/4	131,849	1/4	122,426	1/4	112,974	1/4	102,633	1/4	91,875	1/4	81,117	1/4	70,397		
1/2	1/2	1/2	141,063	1/2	131,654	1/2	122,229	1/2	112,777	1/2	102,409	1/2	91,651	1/2	80,893	1/2	70,175		
3/4	3/4	3/4	140,869	3/4	131,458	3/4	122,032	3/4	112,581	3/4	102,185	3/4	91,427	3/4	80,669	3/4	69,952		
10	10	10	140,674	10	131,262	10	121,835	10	112,384	10	101,961	10	91,203	10	80,445	10	69,729		
1/4	1/4	1/4	140,480	1/4	131,066	1/4	121,638	1/4	112,187	1/4	101,737	1/4	90,979	1/4	80,221	1/4	69,506		
1/2	1/2	1/2	140,286	1/2	130,871	1/2	121,441	1/2	111,990	1/2	101,513	1/2	90,755	1/2	79,997	1/2	69,282		
3/4	3/4	3/4	140,091	3/4	130,675	3/4	121,244	3/4	111,794	3/4	101,288	3/4	90,531	3/4	79,773	3/4	69,059		
11	11	11	139,897	11	130,479	11	121,048	11	111,597	11	101,064	11	90,307	11	79,548	11	68,836		
1/4	1/4	1/4	139,700	1/4	130,283	1/4	120,851	1/4	111,400	1/4	100,840	1/4	90,082	1/4	79,324	1/4	68,612		
1/2	1/2	1/2	147,161	1/2	139,504	1/2	130,088	1/2	120,654	1/2	111,204	1/2	90,616	1/2	79,100	1/2	68,389		
3/4	3/4	3/4	147,145	3/4	139,307	3/4	129,892	3/4	120,457	3/4	111,007	3/4	90,392	3/4	78,876	3/4	68,165		

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 1351"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07"

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	67,942	0	57,190	0	46,435	0	35,681	0	25,134	0	14,376	0	3,613	0		0		0	
1/4	67,718	1/4	56,966	1/4	46,211	1/4	35,457	1/4	24,916	1/4	14,151	1/4	3,393	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,495	1/2	56,742	1/2	45,987	1/2	35,233	1/2	24,697	1/2	13,927	1/2	3,172	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,271	3/4	56,518	3/4	45,763	3/4	35,009	3/4	24,478	3/4	13,702	3/4	2,952	3/4	3/4	3/4	3/4	3/4	3/4
1	67,048	1	56,293	1	45,539	1	34,785	1	24,260	1	13,477	1	2,732	1	1	1	1	1	1
1/4	66,824	1/4	56,069	1/4	45,315	1/4	34,561	1/4	24,035	1/4	13,253	1/4	2,527	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,600	1/2	55,845	1/2	45,091	1/2	34,337	1/2	23,810	1/2	13,028	1/2	2,321	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,376	3/4	55,621	3/4	44,867	3/4	34,113	3/4	23,586	3/4	12,804	3/4	2,116	3/4	3/4	3/4	3/4	3/4	3/4
2	66,152	2	55,397	2	44,643	2	33,889	2	23,361	2	12,579	2	1,911	2	2	2	2	2	2
1/4	65,928	1/4	55,173	1/4	44,419	1/4	33,665	1/4	23,137	1/4	12,354	1/4	1,742	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,704	1/2	54,949	1/2	44,195	1/2	33,440	1/2	22,912	1/2	12,130	1/2	1,574	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,480	3/4	54,725	3/4	43,971	3/4	33,216	3/4	22,687	3/4	11,905	3/4	1,406	3/4	3/4	3/4	3/4	3/4	3/4
3	65,255	3	54,501	3	43,747	3	32,992	3	22,463	3	11,680	3	1,237	3	3	3	3	3	3
1/4	65,031	1/4	54,277	1/4	43,523	1/4	32,774	1/4	22,238	1/4	11,456	1/4	1,106	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,807	1/2	54,053	1/2	43,299	1/2	32,556	1/2	22,013	1/2	11,231	1/2	975	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,583	3/4	53,829	3/4	43,075	3/4	32,338	3/4	21,789	3/4	11,007	3/4	844	3/4	3/4	3/4	3/4	3/4	3/4
4	64,359	4	53,605	4	42,851	4	32,119	4	21,564	4	10,782	4	713	4	4	4	4	4	4
1/4	64,135	1/4	53,381	1/4	42,627	1/4	31,901	1/4	21,340	1/4	10,557	1/4	620	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,911	1/2	53,157	1/2	42,402	1/2	31,683	1/2	21,115	1/2	10,333	1/2	526	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,687	3/4	52,933	3/4	42,178	3/4	31,465	3/4	20,890	3/4	10,108	3/4	432	3/4	3/4	3/4	3/4	3/4	3/4
5	63,463	5	52,709	5	41,954	5	31,246	5	20,666	5	9,883	5	339	5	5	5	5	5	5
1/4	63,239	1/4	52,485	1/4	41,730	1/4	31,028	1/4	20,441	1/4	9,659	1/4	283	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,015	1/2	52,261	1/2	41,506	1/2	30,810	1/2	20,216	1/2	9,434	1/2	226	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,791	3/4	52,037	3/4	41,282	3/4	30,592	3/4	19,992	3/4	9,209	3/4	170	3/4	3/4	3/4	3/4	3/4	3/4
6	62,567	6	51,813	6	41,058	6	30,374	6	19,767	6	8,985	6	114	6	6	6	6	6	6
1/4	62,343	1/4	51,588	1/4	40,834	1/4	30,155	1/4	19,542	1/4	8,760	1/4	95	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,119	1/2	51,364	1/2	40,610	1/2	29,937	1/2	19,318	1/2	8,536	1/2	77	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,895	3/4	51,140	3/4	40,386	3/4	29,719	3/4	19,093	3/4	8,311	3/4	58	3/4	3/4	3/4	3/4	3/4	3/4
7	61,671	7	50,916	7	40,162	7	29,501	7	18,869	7	8,086	7	39	7	7	7	7	7	7
1/4	61,447	1/4	50,692	1/4	39,938	1/4	29,282	1/4	18,644	1/4	7,862	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,223	1/2	50,468	1/2	39,714	1/2	29,064	1/2	18,419	1/2	7,637	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,999	3/4	50,244	3/4	39,490	3/4	28,846	3/4	18,195	3/4	7,413	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	60,774	8	50,020	8	39,266	8	28,628	8	17,970	8	7,188	8	8	8	8	8	8	8	8
1/4	60,550	1/4	49,796	1/4	39,042	1/4	28,409	1/4	17,745	1/4	6,963	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,326	1/2	49,572	1/2	38,818	1/2	28,191	1/2	17,521	1/2	6,739	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,102	3/4	49,348	3/4	38,594	3/4	27,973	3/4	17,296	3/4	6,515	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	59,878	9	49,124	9	38,370	9	27,755	9	17,072	9	6,290	9	9	9	9	9	9	9	9
1/4	59,654	1/4	48,900	1/4	38,146	1/4	27,536	1/4	16,847	1/4	6,066	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,430	1/2	48,676	1/2	37,921	1/2	27,318	1/2	16,622	1/2	5,842	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,206	3/4	48,452	3/4	37,697	3/4	27,100	3/4	16,398	3/4	5,618	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	58,982	10	48,228	10	37,473	10	26,882	10	16,173	10	5,394	10	10	10	10	10	10	10	10
1/4	58,758	1/4	48,004	1/4	37,249	1/4	26,663	1/4	15,948	1/4	5,171	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,534	1/2	47,780	1/2	37,025	1/2	26,445	1/2	15,724	1/2	4,948	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,310	3/4	47,556	3/4	36,801	3/4	26,227	3/4	15,499	3/4	4,724	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	58,086	11	47,332	11	36,577	11	26,009	11	15,275	11	4,501	11		11	11	11	11	11	11
1/4	57,862	1/4	47,107	1/4	36,353	1/4	25,790	1/4	15,050	1/4	4,279	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,638	1/2	46,883	1/2	36,129	1/2	25,571	1/2	14,825	1/2	4,057	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,414	3/4	46,659	3/4	35,905	3/4	25,353	3/4	14,601	3/4	3,835	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/28/2012 CL
CALCULATED: 08/28/2012 CL
PRINTED: 08/28/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2012

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



BARGE "CBC 1351"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

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	170,302	0	160,967	0	148,970	0	136,947	0	124,883	0	112,819	0	100,755	0	88,690		
1/4	1/4	1/4	170,285	1/4	160,717	1/4	148,720	1/4	136,696	1/4	124,632	1/4	112,567	1/4	100,503	1/4	88,438		
1/2	1/2	1/2	170,267	1/2	160,467	1/2	148,470	1/2	136,445	1/2	124,380	1/2	112,316	1/2	100,252	1/2	88,187		
3/4	3/4	3/4	170,208	3/4	160,217	3/4	148,220	3/4	136,193	3/4	124,129	3/4	112,065	3/4	100,001	3/4	88,935		
1	1	1	170,149	1	159,967	1	147,970	1	135,942	1	123,878	1	111,813	1	99,749	1	87,684		
1/4	1/4	1/4	170,090	1/4	159,717	1/4	147,720	1/4	135,691	1/4	123,626	1/4	111,562	1/4	99,498	1/4	87,433		
1/2	1/2	1/2	170,031	1/2	159,467	1/2	147,470	1/2	135,439	1/2	123,375	1/2	111,311	1/2	99,247	1/2	87,181		
3/4	3/4	3/4	169,930	3/4	159,217	3/4	147,220	3/4	135,188	3/4	123,124	3/4	111,059	3/4	98,995	3/4	86,930		
2	2	2	169,829	2	158,967	2	146,970	2	134,937	2	122,872	2	110,808	2	98,744	2	86,679		
1/4	1/4	1/4	169,728	1/4	158,717	1/4	146,720	1/4	134,685	1/4	122,621	1/4	110,557	1/4	98,493	1/4	86,427		
1/2	1/2	1/2	169,627	1/2	158,467	1/2	146,470	1/2	134,434	1/2	122,370	1/2	110,305	1/2	98,241	1/2	86,176		
3/4	3/4	3/4	169,484	3/4	158,217	3/4	146,220	3/4	134,183	3/4	122,118	3/4	110,054	3/4	97,990	3/4	85,924		
3	3	3	169,341	3	157,967	3	145,970	3	133,931	3	121,867	3	109,803	3	97,739	3	85,673		
1/4	1/4	1/4	169,198	1/4	157,717	1/4	145,720	1/4	133,680	1/4	121,616	1/4	109,551	1/4	97,487	1/4	85,422		
1/2	1/2	1/2	169,056	1/2	157,468	1/2	145,470	1/2	133,429	1/2	121,364	1/2	109,300	1/2	97,236	1/2	85,170		
3/4	3/4	3/4	168,871	3/4	157,218	3/4	145,220	3/4	133,177	3/4	121,113	3/4	109,049	3/4	96,985	3/4	84,919		
4	4	4	168,686	4	156,968	4	144,971	4	132,926	4	120,862	4	108,797	4	96,733	4	84,668		
1/4	1/4	1/4	168,501	1/4	156,718	1/4	144,721	1/4	132,675	1/4	120,610	1/4	108,546	1/4	96,482	1/4	84,416		
1/2	1/2	1/2	168,316	1/2	156,468	1/2	144,471	1/2	132,423	1/2	120,359	1/2	108,295	1/2	96,231	1/2	84,165		
3/4	3/4	3/4	168,090	3/4	156,218	3/4	144,221	3/4	132,172	3/4	120,108	3/4	108,043	3/4	95,979	3/4	83,913		
5	5	5	167,863	5	155,968	5	143,971	5	131,920	5	119,856	5	107,792	5	95,728	5	83,662		
1/4	1/4	1/4	167,636	1/4	155,718	1/4	143,721	1/4	131,669	1/4	119,605	1/4	107,541	1/4	95,477	1/4	83,411		
1/2	1/2	1/2	167,410	1/2	155,468	1/2	143,471	1/2	131,418	1/2	119,354	1/2	107,289	1/2	95,225	1/2	83,159		
3/4	3/4	3/4	167,162	3/4	155,218	3/4	143,221	3/4	131,166	3/4	119,102	3/4	107,038	3/4	94,974	3/4	82,908		
6	6	6	166,914	6	154,968	6	142,971	6	130,915	6	118,851	6	106,787	6	94,722	6	82,656		
1/4	1/4	1/4	166,667	1/4	154,718	1/4	142,721	1/4	130,664	1/4	118,600	1/4	106,535	1/4	94,471	1/4	82,405		
1/2	1/2	1/2	166,419	1/2	154,468	1/2	142,471	1/2	130,412	1/2	118,348	1/2	106,284	1/2	94,220	1/2	82,154		
3/4	3/4	3/4	166,172	3/4	154,218	3/4	142,221	3/4	130,161	3/4	118,097	3/4	106,033	3/4	93,968	3/4	81,902		
7	7	7	165,924	7	153,968	7	141,971	7	129,910	7	117,846	7	105,781	7	93,717	7	81,651		
1/4	1/4	1/4	165,676	1/4	153,718	1/4	141,721	1/4	129,658	1/4	117,594	1/4	105,530	1/4	93,466	1/4	81,400		
1/2	1/2	1/2	165,429	1/2	153,468	1/2	141,471	1/2	129,407	1/2	117,343	1/2	105,279	1/2	93,214	1/2	81,148		
3/4	3/4	3/4	165,181	3/4	153,219	3/4	141,220	3/4	129,156	3/4	117,092	3/4	105,027	3/4	92,963	3/4	80,897		
8	8	8	164,933	8	152,969	8	140,969	8	128,904	8	116,840	8	104,776	8	92,712	8	80,645		
1/4	1/4	1/4	164,686	1/4	152,719	1/4	140,717	1/4	128,653	1/4	116,589	1/4	104,525	1/4	92,460	1/4	80,394		
1/2	1/2	1/2	164,438	1/2	152,469	1/2	140,466	1/2	128,402	1/2	116,338	1/2	104,273	1/2	92,209	1/2	80,143		
3/4	3/4	3/4	164,191	3/4	152,219	3/4	140,215	3/4	128,150	3/4	116,086	3/4	104,022	3/4	91,958	3/4	79,891		
9	9	9	163,943	9	151,969	9	139,963	9	127,899	9	115,835	9	103,771	9	91,706	9	79,640		
1/4	1/4	1/4	163,695	1/4	151,719	1/4	139,712	1/4	127,648	1/4	115,584	1/4	103,519	1/4	91,455	1/4	79,388		
1/2	1/2	1/2	163,448	1/2	151,469	1/2	139,461	1/2	127,396	1/2	115,332	1/2	103,268	1/2	91,203	1/2	79,137		
3/4	3/4	3/4	163,200	3/4	151,219	3/4	139,209	3/4	127,145	3/4	115,081	3/4	103,017	3/4	90,952	3/4	78,886		
10	10	10	162,952	10	150,969	10	138,958	10	126,894	10	114,830	10	102,765	10	90,701	10	78,634		
1/4	1/4	1/4	162,705	1/4	150,719	1/4	138,707	1/4	126,642	1/4	114,578	1/4	102,514	1/4	90,449	1/4	78,383		
1/2	1/2	1/2	162,457	1/2	150,469	1/2	138,455	1/2	126,391	1/2	114,327	1/2	102,263	1/2	90,198	1/2	78,132		
3/4	3/4	3/4	162,209	3/4	150,219	3/4	138,204	3/4	126,140	3/4	114,076	3/4	102,011	3/4	89,947	3/4	77,880		
11	11	11	161,962	11	149,969	11	137,953	11	125,888	11	113,824	11	101,760	11	89,695	11	77,629		
1/4	1/4	1/4	161,714	1/4	149,719	1/4	137,701	1/4	125,637	1/4	113,573	1/4	101,509	1/4	89,444	1/4	77,377		
1/2	1/2	1/2	170,336	1/2	161,467	1/2	149,469	1/2	137,450	1/2	125,386	1/2	113,321	1/2	89,192	1/2	77,126		
3/4	3/4	3/4	170,319	3/4	161,217	3/4	149,219	3/4	137,199	3/4	125,134	3/4	113,070	3/4	88,941	3/4	76,875		

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 1351"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	76,623	0	64,557	0	52,491	0	40,424	0	28,638	0	16,586	0	4,536	0		0		0	
1/4	76,372	1/4	64,306	1/4	52,239	1/4	40,173	1/4	28,393	1/4	16,334	1/4	4,287	1/4	1/4		1/4		1/4
1/2	76,121	1/2	64,054	1/2	51,988	1/2	39,922	1/2	28,149	1/2	16,083	1/2	4,038	1/2	1/2		1/2		1/2
3/4	75,869	3/4	63,803	3/4	51,737	3/4	39,670	3/4	27,898	3/4	15,832	3/4	3,792	3/4	3/4		3/4		3/4
1	75,618	1	63,551	1	51,485	1	39,419	1	27,646	1	15,580	1	3,546	1	1		1		1
1/4	75,366	1/4	63,300	1/4	51,234	1/4	39,168	1/4	27,395	1/4	15,329	1/4	3,299	1/4	1/4		1/4		1/4
1/2	75,115	1/2	63,049	1/2	50,982	1/2	38,916	1/2	27,143	1/2	15,078	1/2	3,053	1/2	1/2		1/2		1/2
3/4	74,864	3/4	62,797	3/4	50,731	3/4	38,665	3/4	26,892	3/4	14,826	3/4	2,823	3/4	3/4		3/4		3/4
2	74,612	2	62,546	2	50,480	2	38,413	2	26,641	2	14,575	2	2,593	2	2		2		2
1/4	74,361	1/4	62,295	1/4	50,228	1/4	38,162	1/4	26,389	1/4	14,323	1/4	2,364	1/4	1/4		1/4		1/4
1/2	74,109	1/2	62,043	1/2	49,977	1/2	37,911	1/2	26,138	1/2	14,072	1/2	2,134	1/2	1/2		1/2		1/2
3/4	73,858	3/4	61,792	3/4	49,726	3/4	37,666	3/4	25,887	3/4	13,821	3/4	1,945	3/4	3/4		3/4		3/4
3	73,607	3	61,540	3	49,474	3	37,422	3	25,635	3	13,569	3	1,757	3	3		3		3
1/4	73,355	1/4	61,289	1/4	49,223	1/4	37,178	1/4	25,384	1/4	13,318	1/4	1,568	1/4	1/4		1/4		1/4
1/2	73,104	1/2	61,038	1/2	48,971	1/2	36,933	1/2	25,132	1/2	13,067	1/2	1,380	1/2	1/2		1/2		1/2
3/4	72,853	3/4	60,786	3/4	48,720	3/4	36,689	3/4	24,881	3/4	12,815	3/4	1,233	3/4	3/4		3/4		3/4
4	72,601	4	60,535	4	48,469	4	36,445	4	24,630	4	12,564	4	1,087	4	4		4		4
1/4	72,350	1/4	60,284	1/4	48,217	1/4	36,201	1/4	24,378	1/4	12,313	1/4	940	1/4	1/4		1/4		1/4
1/2	72,098	1/2	60,032	1/2	47,966	1/2	35,957	1/2	24,127	1/2	12,061	1/2	793	1/2	1/2		1/2		1/2
3/4	71,847	3/4	59,781	3/4	47,714	3/4	35,713	3/4	23,876	3/4	11,810	3/4	689	3/4	3/4		3/4		3/4
5	71,596	5	59,529	5	47,463	5	35,469	5	23,624	5	11,558	5	584	5	5		5		5
1/4	71,344	1/4	59,278	1/4	47,212	1/4	35,225	1/4	23,373	1/4	11,307	1/4	479	1/4	1/4		1/4		1/4
1/2	71,093	1/2	59,027	1/2	46,960	1/2	34,982	1/2	23,122	1/2	11,056	1/2	374	1/2	1/2		1/2		1/2
3/4	70,842	3/4	58,775	3/4	46,709	3/4	34,738	3/4	22,870	3/4	10,804	3/4	312	3/4	3/4		3/4		3/4
6	70,590	6	58,524	6	46,458	6	34,494	6	22,619	6	10,553	6	249	6	6		6		6
1/4	70,339	1/4	58,272	1/4	46,206	1/4	34,250	1/4	22,367	1/4	10,302	1/4	186	1/4	1/4		1/4		1/4
1/2	70,087	1/2	58,021	1/2	45,955	1/2	34,006	1/2	22,116	1/2	10,050	1/2	123	1/2	1/2		1/2		1/2
3/4	69,836	3/4	57,770	3/4	45,703	3/4	33,762	3/4	21,865	3/4	9,799	3/4	102	3/4	3/4		3/4		3/4
7	69,585	7	57,518	7	45,452	7	33,518	7	21,613	7	9,547	7	81	7	7		7		7
1/4	69,333	1/4	57,267	1/4	45,201	1/4	33,274	1/4	21,362	1/4	9,296	1/4	60	1/4	1/4		1/4		1/4
1/2	69,082	1/2	57,016	1/2	44,949	1/2	33,030	1/2	21,111	1/2	9,045	1/2	39	1/2	1/2		1/2		1/2
3/4	68,830	3/4	56,764	3/4	44,698	3/4	32,786	3/4	20,859	3/4	8,793	3/4		3/4	3/4		3/4		3/4
8	68,579	8	56,513	8	44,447	8	32,542	8	20,608	8	8,542	8		8	8		8		8
1/4	68,328	1/4	56,261	1/4	44,195	1/4	32,298	1/4	20,356	1/4	8,291	1/4		1/4	1/4		1/4		1/4
1/2	68,076	1/2	56,010	1/2	43,944	1/2	32,054	1/2	20,105	1/2	8,039	1/2		1/2	1/2		1/2		1/2
3/4	67,825	3/4	55,759	3/4	43,692	3/4	31,810	3/4	19,854	3/4	7,788	3/4		3/4	3/4		3/4		3/4
9	67,574	9	55,507	9	43,441	9	31,566	9	19,602	9	7,537	9		9	9		9		9
1/4	67,322	1/4	55,256	1/4	43,190	1/4	31,322	1/4	19,351	1/4	7,286	1/4		1/4	1/4		1/4		1/4
1/2	67,071	1/2	55,005	1/2	42,938	1/2	31,078	1/2	19,100	1/2	7,035	1/2		1/2	1/2		1/2		1/2
3/4	66,819	3/4	54,753	3/4	42,687	3/4	30,834	3/4	18,848	3/4	6,784	3/4		3/4	3/4		3/4		3/4
10	66,568	10	54,502	10	42,435	10	30,590	10	18,597	10	6,533	10		10	10		10		10
1/4	66,317	1/4	54,250	1/4	42,184	1/4	30,346	1/4	18,345	1/4	6,283	1/4		1/4	1/4		1/4		1/4
1/2	66,065	1/2	53,999	1/2	41,933	1/2	30,102	1/2	18,094	1/2	6,032	1/2		1/2	1/2		1/2		1/2
3/4	65,814	3/4	53,748	3/4	41,681	3/4	29,858	3/4	17,843	3/4	5,782	3/4		3/4	3/4		3/4		3/4
11	65,563	11	53,496	11	41,430	11	29,614	11	17,591	11	5,532	11		11	11		11		11
1/4	65,311	1/4	53,245	1/4	41,179	1/4	29,370	1/4	17,340	1/4	5,283	1/4		1/4	1/4		1/4		1/4
1/2	65,060	1/2	52,993	1/2	40,927	1/2	29,126	1/2	17,089	1/2	5,033	1/2		1/2	1/2		1/2		1/2
3/4	64,808	3/4	52,742	3/4	40,676	3/4	28,882	3/4	16,837	3/4	4,784	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/28/2012 CL
CALCULATED: 08/28/2012 CL
PRINTED: 08/28/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "CBC 1351"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

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	151,509	0	143,217	0	132,559	0	121,880	0	111,164	0	100,449	0	89,733	0	79,016
1/4	1/4	1/4	1/4	1/4	151,494	1/4	142,994	1/4	132,337	1/4	121,657	1/4	110,941	1/4	100,225	1/4	89,509	1/4	78,793
1/2	1/2	1/2	1/2	1/2	151,479	1/2	142,772	1/2	132,115	1/2	121,434	1/2	110,718	1/2	100,002	1/2	89,286	1/2	78,570
3/4	3/4	3/4	3/4	3/4	151,426	3/4	142,550	3/4	131,893	3/4	121,211	3/4	110,495	3/4	99,779	3/4	89,063	3/4	78,346
1		1		1	151,374	1	142,328	1	131,671	1	120,987	1	110,271	1	99,556	1	88,840	1	78,123
1/4	1/4	1/4	1/4	1/4	151,321	1/4	142,106	1/4	131,449	1/4	120,764	1/4	110,048	1/4	99,332	1/4	88,616	1/4	77,900
1/2	1/2	1/2	1/2	1/2	151,269	1/2	141,884	1/2	131,227	1/2	120,541	1/2	109,825	1/2	99,109	1/2	88,393	1/2	77,676
3/4	3/4	3/4	3/4	3/4	151,179	3/4	141,662	3/4	131,005	3/4	120,318	3/4	109,602	3/4	98,886	3/4	88,170	3/4	77,453
2		2		2	151,089	2	141,440	2	130,783	2	120,094	2	109,378	2	98,663	2	87,947	2	77,230
1/4	1/4	1/4	1/4	1/4	150,999	1/4	141,218	1/4	130,561	1/4	119,871	1/4	109,155	1/4	98,439	1/4	87,723	1/4	77,007
1/2	1/2	1/2	1/2	1/2	150,910	1/2	140,996	1/2	130,339	1/2	119,648	1/2	108,932	1/2	98,216	1/2	87,500	1/2	76,783
3/4	3/4	3/4	3/4	3/4	150,783	3/4	140,774	3/4	130,117	3/4	119,425	3/4	108,709	3/4	97,993	3/4	87,277	3/4	76,560
3		3		3	150,656	3	140,552	3	129,895	3	119,201	3	108,485	3	97,770	3	87,054	3	76,337
1/4	1/4	1/4	1/4	1/4	150,529	1/4	140,330	1/4	129,673	1/4	118,978	1/4	108,262	1/4	97,546	1/4	86,830	1/4	76,113
1/2	1/2	1/2	1/2	1/2	150,402	1/2	140,108	1/2	129,451	1/2	118,755	1/2	108,039	1/2	97,323	1/2	86,607	1/2	75,890
3/4	3/4	3/4	3/4	3/4	150,238	3/4	139,886	3/4	129,229	3/4	118,532	3/4	107,816	3/4	97,100	3/4	86,384	3/4	75,667
4		4		4	150,074	4	139,664	4	129,007	4	118,308	4	107,592	4	96,877	4	86,161	4	75,444
1/4	1/4	1/4	1/4	1/4	149,909	1/4	139,442	1/4	128,785	1/4	118,085	1/4	107,369	1/4	96,653	1/4	85,938	1/4	75,220
1/2	1/2	1/2	1/2	1/2	149,745	1/2	139,220	1/2	128,563	1/2	117,862	1/2	107,146	1/2	96,430	1/2	85,714	1/2	74,997
3/4	3/4	3/4	3/4	3/4	149,544	3/4	138,998	3/4	128,341	3/4	117,639	3/4	106,923	3/4	96,207	3/4	85,491	3/4	74,774
5		5		5	149,343	5	138,776	5	128,119	5	117,415	5	106,699	5	95,984	5	85,268	5	74,550
1/4	1/4	1/4	1/4	1/4	149,141	1/4	138,554	1/4	127,897	1/4	117,192	1/4	106,476	1/4	95,760	1/4	85,045	1/4	74,327
1/2	1/2	1/2	1/2	1/2	148,940	1/2	138,332	1/2	127,675	1/2	116,969	1/2	106,253	1/2	95,537	1/2	84,821	1/2	74,104
3/4	3/4	3/4	3/4	3/4	148,720	3/4	138,110	3/4	127,453	3/4	116,746	3/4	106,030	3/4	95,314	3/4	84,598	3/4	73,881
6		6		6	148,500	6	137,888	6	127,231	6	116,522	6	105,806	6	95,091	6	84,375	6	73,657
1/4	1/4	1/4	1/4	1/4	148,280	1/4	137,666	1/4	127,009	1/4	116,299	1/4	105,583	1/4	94,867	1/4	84,152	1/4	73,434
1/2	1/2	1/2	1/2	1/2	148,060	1/2	137,444	1/2	126,787	1/2	116,076	1/2	105,360	1/2	94,644	1/2	83,928	1/2	73,211
3/4	3/4	3/4	3/4	3/4	147,840	3/4	137,222	3/4	126,565	3/4	115,853	3/4	105,137	3/4	94,421	3/4	83,705	3/4	72,987
7		7		7	147,620	7	137,000	7	126,343	7	115,629	7	104,913	7	94,198	7	83,482	7	72,764
1/4	1/4	1/4	1/4	1/4	147,400	1/4	136,778	1/4	126,121	1/4	115,406	1/4	104,690	1/4	93,974	1/4	83,259	1/4	72,541
1/2	1/2	1/2	1/2	1/2	147,180	1/2	136,556	1/2	125,899	1/2	115,183	1/2	104,467	1/2	93,751	1/2	83,035	1/2	72,318
3/4	3/4	3/4	3/4	3/4	146,960	3/4	136,334	3/4	125,675	3/4	114,960	3/4	104,244	3/4	93,528	3/4	82,812	3/4	72,094
8		8		8	146,740	8	136,112	8	125,452	8	114,736	8	104,021	8	93,305	8	82,589	8	71,871
1/4	1/4	1/4	1/4	1/4	146,520	1/4	135,890	1/4	125,229	1/4	114,513	1/4	103,797	1/4	93,081	1/4	82,365	1/4	71,648
1/2	1/2	1/2	1/2	1/2	146,300	1/2	135,668	1/2	125,006	1/2	114,290	1/2	103,574	1/2	92,858	1/2	82,142	1/2	71,424
3/4	3/4	3/4	3/4	3/4	146,080	3/4	135,446	3/4	124,782	3/4	114,067	3/4	103,351	3/4	92,635	3/4	81,919	3/4	71,201
9		9		9	145,860	9	135,224	9	124,559	9	113,843	9	103,128	9	92,412	9	81,696	9	70,978
1/4	1/4	1/4	1/4	1/4	145,640	1/4	135,002	1/4	124,336	1/4	113,620	1/4	102,904	1/4	92,188	1/4	81,472	1/4	70,755
1/2	1/2	1/2	1/2	1/2	145,420	1/2	134,780	1/2	124,113	1/2	113,397	1/2	102,681	1/2	91,965	1/2	81,249	1/2	70,531
3/4	3/4	3/4	3/4	3/4	145,200	3/4	134,558	3/4	123,889	3/4	113,174	3/4	102,458	3/4	91,742	3/4	81,026	3/4	70,308
10		10		10	144,980	10	134,336	10	123,666	10	112,950	10	102,235	10	91,519	10	80,802	10	70,085
1/4	1/4	1/4	1/4	1/4	144,760	1/4	134,114	1/4	123,443	1/4	112,727	1/4	102,011	1/4	91,295	1/4	80,579	1/4	69,861
1/2	1/2	1/2	1/2	1/2	144,540	1/2	133,892	1/2	123,220	1/2	112,504	1/2	101,788	1/2	91,072	1/2	80,356	1/2	69,638
3/4	3/4	3/4	3/4	3/4	144,320	3/4	133,670	3/4	122,997	3/4	112,281	3/4	101,565	3/4	90,849	3/4	80,133	3/4	69,415
11		11		11	144,100	11	133,447	11	122,773	11	112,057	11	101,342	11	90,626	11	79,909	11	69,192
1/4	1/4	1/4	1/4	1/4	143,881	1/4	133,225	1/4	122,550	1/4	111,834	1/4	101,118	1/4	90,402	1/4	79,686	1/4	68,968
1/2	1/2	1/2	1/2	151,540	143,661	1/2	133,003	1/2	122,327	1/2	111,611	1/2	100,895	1/2	90,179	1/2	79,463	1/2	68,745
3/4	3/4	3/4	3/4	151,524	143,439	3/4	132,781	3/4	122,104	3/4	111,388	3/4	100,672	3/4	89,956	3/4	79,239	3/4	68,522

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'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 1351"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	68,299	0	57,581	0	46,863	0	36,146	0	25,452	0	14,736	0	4,033	0		0		0	
1/4	68,075	1/4	57,358	1/4	46,640	1/4	35,922	1/4	25,229	1/4	14,513	1/4	3,812	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,852	1/2	57,134	1/2	46,417	1/2	35,699	1/2	25,006	1/2	14,290	1/2	3,591	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,629	3/4	56,911	3/4	46,193	3/4	35,476	3/4	24,783	3/4	14,067	3/4	3,373	3/4	3/4	3/4	3/4	3/4	3/4
1	67,405	1	56,688	1	45,970	1	35,252	1	24,560	1	13,843	1	3,154	1	1	1	1	1	1
1/4	67,182	1/4	56,464	1/4	45,747	1/4	35,029	1/4	24,337	1/4	13,620	1/4	2,935	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,959	1/2	56,241	1/2	45,523	1/2	34,806	1/2	24,114	1/2	13,397	1/2	2,716	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,736	3/4	56,018	3/4	45,300	3/4	34,583	3/4	23,891	3/4	13,173	3/4	2,512	3/4	3/4	3/4	3/4	3/4	3/4
2	66,512	2	55,795	2	45,077	2	34,359	2	23,667	2	12,950	2	2,308	2	2	2	2	2	2
1/4	66,289	1/4	55,571	1/4	44,854	1/4	34,136	1/4	23,444	1/4	12,727	1/4	2,104	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,066	1/2	55,348	1/2	44,630	1/2	33,913	1/2	23,221	1/2	12,504	1/2	1,900	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,842	3/4	55,125	3/4	44,407	3/4	33,689	3/4	22,998	3/4	12,280	3/4	1,732	3/4	3/4	3/4	3/4	3/4	3/4
3	65,619	3	54,901	3	44,184	3	33,466	3	22,774	3	12,057	3	1,565	3	3	3	3	3	3
1/4	65,396	1/4	54,678	1/4	43,960	1/4	33,243	1/4	22,551	1/4	11,834	1/4	1,397	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,173	1/2	54,455	1/2	43,737	1/2	33,020	1/2	22,328	1/2	11,611	1/2	1,230	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,949	3/4	54,232	3/4	43,514	3/4	32,797	3/4	22,105	3/4	11,387	3/4	1,100	3/4	3/4	3/4	3/4	3/4	3/4
4	64,726	4	54,008	4	43,291	4	32,574	4	21,881	4	11,164	4	970	4	4	4	4	4	4
1/4	64,503	1/4	53,785	1/4	43,067	1/4	32,352	1/4	21,658	1/4	10,941	1/4	839	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,279	1/2	53,562	1/2	42,844	1/2	32,129	1/2	21,435	1/2	10,717	1/2	709	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,056	3/4	53,338	3/4	42,621	3/4	31,907	3/4	21,211	3/4	10,494	3/4	616	3/4	3/4	3/4	3/4	3/4	3/4
5	63,833	5	53,115	5	42,397	5	31,684	5	20,988	5	10,271	5	523	5	5	5	5	5	5
1/4	63,610	1/4	52,892	1/4	42,174	1/4	31,462	1/4	20,765	1/4	10,048	1/4	430	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,386	1/2	52,669	1/2	41,951	1/2	31,239	1/2	20,542	1/2	9,824	1/2	337	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,163	3/4	52,445	3/4	41,728	3/4	31,016	3/4	20,318	3/4	9,601	3/4	281	3/4	3/4	3/4	3/4	3/4	3/4
6	62,940	6	52,222	6	41,504	6	30,794	6	20,095	6	9,378	6	225	6	6	6	6	6	6
1/4	62,716	1/4	51,999	1/4	41,281	1/4	30,571	1/4	19,872	1/4	9,155	1/4	170	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,493	1/2	51,775	1/2	41,058	1/2	30,349	1/2	19,648	1/2	8,931	1/2	114	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,270	3/4	51,552	3/4	40,834	3/4	30,126	3/4	19,425	3/4	8,708	3/4	95	3/4	3/4	3/4	3/4	3/4	3/4
7	62,047	7	51,329	7	40,611	7	29,904	7	19,202	7	8,485	7	77	7	7	7	7	7	7
1/4	61,823	1/4	51,106	1/4	40,388	1/4	29,681	1/4	18,979	1/4	8,261	1/4	58	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,600	1/2	50,882	1/2	40,165	1/2	29,458	1/2	18,755	1/2	8,038	1/2	39	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,377	3/4	50,659	3/4	39,941	3/4	29,236	3/4	18,532	3/4	7,815	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	61,153	8	50,436	8	39,718	8	29,013	8	18,309	8	7,592	8		8	8	8	8	8	8
1/4	60,930	1/4	50,212	1/4	39,495	1/4	28,791	1/4	18,086	1/4	7,368	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,707	1/2	49,989	1/2	39,271	1/2	28,568	1/2	17,862	1/2	7,145	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,484	3/4	49,766	3/4	39,048	3/4	28,346	3/4	17,639	3/4	6,922	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	60,260	9	49,543	9	38,825	9	28,123	9	17,416	9	6,699	9		9	9	9	9	9	9
1/4	60,037	1/4	49,319	1/4	38,602	1/4	27,900	1/4	17,192	1/4	6,476	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,814	1/2	49,096	1/2	38,378	1/2	27,678	1/2	16,969	1/2	6,253	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,590	3/4	48,873	3/4	38,155	3/4	27,455	3/4	16,746	3/4	6,030	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	59,367	10	48,649	10	37,932	10	27,233	10	16,523	10	5,808	10		10	10	10	10	10	10
1/4	59,144	1/4	48,426	1/4	37,708	1/4	27,010	1/4	16,299	1/4	5,585	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,921	1/2	48,203	1/2	37,485	1/2	26,788	1/2	16,076	1/2	5,362	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,697	3/4	47,980	3/4	37,262	3/4	26,565	3/4	15,853	3/4	5,140	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	58,474	11	47,756	11	37,039	11	26,343	11	15,630	11	4,918	11		11	11	11	11	11	11
1/4	58,251	1/4	47,533	1/4	36,815	1/4	26,120	1/4	15,406	1/4	4,696	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,027	1/2	47,310	1/2	36,592	1/2	25,897	1/2	15,183	1/2	4,475	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,804	3/4	47,086	3/4	36,369	3/4	25,674	3/4	14,960	3/4	4,254	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2012

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