



# BARGE "CGBM 129"

## INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/8	- 02-1/8
2 CENTER	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 01-0/8	01-0/8	- 01-3/8	01-3/8	- 01-3/4	01-3/4	- 02-0/8	02-0/8
3 CENTER	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 4'-00"  
 DIFF. = 2'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 169'-06"

December 16, 2014

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

<http://www.pmacorp.net>



# BARGE "CGBM 129"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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	247	0	10,532	0	20,812	0	31,109	0	41,430	0	51,751	0	62,072	0	72,392	0	82,713	0	93,034
1/4	458	1/4	10,747	1/4	21,025	1/4	31,324	1/4	41,645	1/4	51,966	1/4	62,287	1/4	72,607	1/4	82,928	1/4	93,249
1/2	668	1/2	10,962	1/2	21,238	1/2	31,539	1/2	41,860	1/2	52,181	1/2	62,502	1/2	72,822	1/2	83,143	1/2	93,464
3/4	879	3/4	11,177	3/4	21,451	3/4	31,754	3/4	42,075	3/4	52,396	3/4	62,717	3/4	73,037	3/4	83,358	3/4	93,679
1	1,089	1	11,392	1	21,665	1	31,969	1	42,290	1	52,611	1	62,932	1	73,253	1	83,573	1	93,894
1/4	1,302	1/4	11,607	1/4	21,878	1/4	32,184	1/4	42,505	1/4	52,826	1/4	63,147	1/4	73,468	1/4	83,788	1/4	94,109
1/2	1,514	1/2	11,822	1/2	22,092	1/2	32,399	1/2	42,720	1/2	53,041	1/2	63,362	1/2	73,683	1/2	84,003	1/2	94,324
3/4	1,727	3/4	12,037	3/4	22,305	3/4	32,615	3/4	42,935	3/4	53,256	3/4	63,577	3/4	73,898	3/4	84,218	3/4	94,539
2	1,940	2	12,252	2	22,519	2	32,830	2	43,150	2	53,471	2	63,792	2	74,113	2	84,433	2	94,754
1/4	2,153	1/4	12,467	1/4	22,733	1/4	33,045	1/4	43,365	1/4	53,686	1/4	64,007	1/4	74,328	1/4	84,648	1/4	94,969
1/2	2,367	1/2	12,682	1/2	22,946	1/2	33,260	1/2	43,580	1/2	53,901	1/2	64,222	1/2	74,543	1/2	84,863	1/2	95,184
3/4	2,581	3/4	12,897	3/4	23,160	3/4	33,475	3/4	43,795	3/4	54,116	3/4	64,437	3/4	74,758	3/4	85,078	3/4	95,399
3	2,794	3	13,112	3	23,374	3	33,690	3	44,010	3	54,331	3	64,652	3	74,973	3	85,293	3	95,614
1/4	3,009	1/4	13,327	1/4	23,588	1/4	33,905	1/4	44,225	1/4	54,546	1/4	64,867	1/4	75,188	1/4	85,508	1/4	95,829
1/2	3,223	1/2	13,542	1/2	23,802	1/2	34,120	1/2	44,440	1/2	54,761	1/2	65,082	1/2	75,403	1/2	85,723	1/2	96,044
3/4	3,438	3/4	13,757	3/4	24,016	3/4	34,335	3/4	44,655	3/4	54,976	3/4	65,297	3/4	75,618	3/4	85,938	3/4	96,259
4	3,652	4	13,972	4	24,231	4	34,550	4	44,870	4	55,191	4	65,512	4	75,833	4	86,153	4	96,474
1/4	3,867	1/4	14,187	1/4	24,445	1/4	34,765	1/4	45,085	1/4	55,406	1/4	65,727	1/4	76,048	1/4	86,368	1/4	96,689
1/2	4,082	1/2	14,402	1/2	24,660	1/2	34,980	1/2	45,300	1/2	55,621	1/2	65,942	1/2	76,263	1/2	86,583	1/2	96,904
3/4	4,297	3/4	14,617	3/4	24,874	3/4	35,195	3/4	45,515	3/4	55,836	3/4	66,157	3/4	76,478	3/4	86,799	3/4	97,119
5	4,511	5	14,832	5	25,089	5	35,410	5	45,730	5	56,051	5	66,372	5	76,693	5	87,014	5	97,334
1/4	4,726	1/4	15,047	1/4	25,304	1/4	35,625	1/4	45,945	1/4	56,266	1/4	66,587	1/4	76,908	1/4	87,229	1/4	97,549
1/2	4,941	1/2	15,261	1/2	25,519	1/2	35,840	1/2	46,161	1/2	56,481	1/2	66,802	1/2	77,123	1/2	87,444	1/2	97,764
3/4	5,156	3/4	15,476	3/4	25,734	3/4	36,055	3/4	46,376	3/4	56,696	3/4	67,017	3/4	77,338	3/4	87,659	3/4	97,979
6	5,372	6	15,691	6	25,949	6	36,270	6	46,591	6	56,911	6	67,232	6	77,553	6	87,874	6	98,194
1/4	5,587	1/4	15,904	1/4	26,164	1/4	36,485	1/4	46,806	1/4	57,126	1/4	67,447	1/4	77,768	1/4	88,089	1/4	98,409
1/2	5,802	1/2	16,118	1/2	26,379	1/2	36,700	1/2	47,021	1/2	57,341	1/2	67,662	1/2	77,983	1/2	88,304	1/2	98,624
3/4	6,017	3/4	16,332	3/4	26,594	3/4	36,915	3/4	47,236	3/4	57,556	3/4	67,877	3/4	78,198	3/4	88,519	3/4	98,839
7	6,232	7	16,546	7	26,809	7	37,130	7	47,451	7	57,771	7	68,092	7	78,413	7	88,734	7	99,054
1/4	6,447	1/4	16,759	1/4	27,024	1/4	37,345	1/4	47,666	1/4	57,986	1/4	68,307	1/4	78,628	1/4	88,949	1/4	99,269
1/2	6,662	1/2	16,972	1/2	27,239	1/2	37,560	1/2	47,881	1/2	58,201	1/2	68,522	1/2	78,843	1/2	89,164	1/2	99,484
3/4	6,877	3/4	17,185	3/4	27,454	3/4	37,775	3/4	48,096	3/4	58,416	3/4	68,737	3/4	79,058	3/4	89,379	3/4	99,699
8	7,092	8	17,399	8	27,669	8	37,990	8	48,311	8	58,631	8	68,952	8	79,273	8	89,594	8	99,914
1/4	7,307	1/4	17,612	1/4	27,884	1/4	38,205	1/4	48,526	1/4	58,846	1/4	69,167	1/4	79,488	1/4	89,809	1/4	100,129
1/2	7,522	1/2	17,825	1/2	28,099	1/2	38,420	1/2	48,741	1/2	59,061	1/2	69,382	1/2	79,703	1/2	90,024	1/2	100,345
3/4	7,737	3/4	18,039	3/4	28,314	3/4	38,635	3/4	48,956	3/4	59,276	3/4	69,597	3/4	79,918	3/4	90,239	3/4	100,560
9	7,952	9	18,252	9	28,529	9	38,850	9	49,171	9	59,491	9	69,812	9	80,133	9	90,454	9	100,775
1/4	8,167	1/4	18,465	1/4	28,744	1/4	39,065	1/4	49,386	1/4	59,707	1/4	70,027	1/4	80,348	1/4	90,669	1/4	100,990
1/2	8,382	1/2	18,679	1/2	28,959	1/2	39,280	1/2	49,601	1/2	59,922	1/2	70,242	1/2	80,563	1/2	90,884	1/2	101,205
3/4	8,597	3/4	18,892	3/4	29,174	3/4	39,495	3/4	49,816	3/4	60,137	3/4	70,457	3/4	80,778	3/4	91,099	3/4	101,420
10	8,812	10	19,105	10	29,389	10	39,710	10	50,031	10	60,352	10	70,672	10	80,993	10	91,314	10	101,635
1/4	9,027	1/4	19,318	1/4	29,604	1/4	39,925	1/4	50,246	1/4	60,567	1/4	70,887	1/4	81,208	1/4	91,529	1/4	101,850
1/2	9,242	1/2	19,532	1/2	29,819	1/2	40,140	1/2	50,461	1/2	60,782	1/2	71,102	1/2	81,423	1/2	91,744	1/2	102,065
3/4	9,457	3/4	19,745	3/4	30,034	3/4	40,355	3/4	50,676	3/4	60,997	3/4	71,317	3/4	81,638	3/4	91,959	3/4	102,280
11	9,672	11	19,958	11	30,249	11	40,570	11	50,891	11	61,212	11	71,532	11	81,853	11	92,174	11	102,495
1/4	9,887	1/4	20,172	1/4	30,464	1/4	40,785	1/4	51,106	1/4	61,427	1/4	71,747	1/4	82,068	1/4	92,389	1/4	102,710
1/2	10,102	1/2	20,385	1/2	30,679	1/2	41,000	1/2	51,321	1/2	61,642	1/2	71,962	1/2	82,283	1/2	92,604	1/2	102,925
3/4	10,317	3/4	20,598	3/4	30,894	3/4	41,215	3/4	51,536	3/4	61,857	3/4	72,177	3/4	82,498	3/4	92,819	3/4	103,140

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 TOP OF "MMC" CLOSED GAUGING VALVE  
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 28'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "CGBM 129"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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	103,355	0	113,676	0	123,996	0	134,317	0	144,638	0	154,267	0		0		0		0	
1/4	103,570	1/4	113,891	1/4	124,211	1/4	134,532	1/4	144,853	1/4	154,349	1/4		1/4		1/4		1/4	
1/2	103,785	1/2	114,106	1/2	124,426	1/2	134,747	1/2	145,068	1/2	154,432	1/2		1/2		1/2		1/2	
3/4	104,000	3/4	114,321	3/4	124,641	3/4	134,962	3/4	145,283	3/4	154,514	3/4		3/4		3/4		3/4	
1	104,215	1	114,536	1	124,856	1	135,177	1	145,498	1	154,597	1		1		1		1	
1/4	104,430	1/4	114,751	1/4	125,071	1/4	135,392	1/4	145,713	1/4	154,638	1/4		1/4		1/4		1/4	
1/2	104,645	1/2	114,966	1/2	125,286	1/2	135,607	1/2	145,928	1/2	154,680	1/2		1/2		1/2		1/2	
3/4	104,860	3/4	115,181	3/4	125,501	3/4	135,822	3/4	146,143	3/4	154,722	3/4		3/4		3/4		3/4	
2	105,075	2	115,396	2	125,716	2	136,037	2	146,358	2	154,763	2		2		2		2	
1/4	105,290	1/4	115,611	1/4	125,931	1/4	136,252	1/4	146,572	1/4	154,780	1/4		1/4		1/4		1/4	
1/2	105,505	1/2	115,826	1/2	126,146	1/2	136,467	1/2	146,786	1/2	154,796	1/2		1/2		1/2		1/2	
3/4	105,720	3/4	116,041	3/4	126,361	3/4	136,682	3/4	147,000	3/4		3/4		3/4		3/4		3/4	
3	105,935	3	116,256	3	126,576	3	136,897	3	147,215	3		3		3		3		3	
1/4	106,150	1/4	116,471	1/4	126,791	1/4	137,112	1/4	147,426	1/4		1/4		1/4		1/4		1/4	
1/2	106,365	1/2	116,686	1/2	127,006	1/2	137,327	1/2	147,638	1/2		1/2		1/2		1/2		1/2	
3/4	106,580	3/4	116,901	3/4	127,222	3/4	137,542	3/4	147,849	3/4		3/4		3/4		3/4		3/4	
4	106,795	4	117,116	4	127,437	4	137,757	4	148,061	4		4		4		4		4	
1/4	107,010	1/4	117,331	1/4	127,652	1/4	137,972	1/4	148,272	1/4		1/4		1/4		1/4		1/4	
1/2	107,225	1/2	117,546	1/2	127,867	1/2	138,187	1/2	148,484	1/2		1/2		1/2		1/2		1/2	
3/4	107,440	3/4	117,761	3/4	128,082	3/4	138,402	3/4	148,695	3/4		3/4		3/4		3/4		3/4	
5	107,655	5	117,976	5	128,297	5	138,617	5	148,907	5		5		5		5		5	
1/4	107,870	1/4	118,191	1/4	128,512	1/4	138,832	1/4	149,118	1/4		1/4		1/4		1/4		1/4	
1/2	108,085	1/2	118,406	1/2	128,727	1/2	139,047	1/2	149,330	1/2		1/2		1/2		1/2		1/2	
3/4	108,300	3/4	118,621	3/4	128,942	3/4	139,262	3/4	149,542	3/4		3/4		3/4		3/4		3/4	
6	108,515	6	118,836	6	129,157	6	139,477	6	149,753	6		6		6		6		6	
1/4	108,730	1/4	119,051	1/4	129,372	1/4	139,692	1/4	149,965	1/4		1/4		1/4		1/4		1/4	
1/2	108,945	1/2	119,266	1/2	129,587	1/2	139,907	1/2	150,176	1/2		1/2		1/2		1/2		1/2	
3/4	109,160	3/4	119,481	3/4	129,802	3/4	140,122	3/4	150,388	3/4		3/4		3/4		3/4		3/4	
7	109,375	7	119,696	7	130,017	7	140,337	7	150,599	7		7		7		7		7	
1/4	109,590	1/4	119,911	1/4	130,232	1/4	140,552	1/4	150,810	1/4		1/4		1/4		1/4		1/4	
1/2	109,805	1/2	120,126	1/2	130,447	1/2	140,768	1/2	151,022	1/2		1/2		1/2		1/2		1/2	
3/4	110,020	3/4	120,341	3/4	130,662	3/4	140,983	3/4	151,233	3/4		3/4		3/4		3/4		3/4	
8	110,235	8	120,556	8	130,877	8	141,198	8	151,444	8		8		8		8		8	
1/4	110,450	1/4	120,771	1/4	131,092	1/4	141,413	1/4	151,655	1/4		1/4		1/4		1/4		1/4	
1/2	110,665	1/2	120,986	1/2	131,307	1/2	141,628	1/2	151,865	1/2		1/2		1/2		1/2		1/2	
3/4	110,880	3/4	121,201	3/4	131,522	3/4	141,843	3/4	152,075	3/4		3/4		3/4		3/4		3/4	
9	111,095	9	121,416	9	131,737	9	142,058	9	152,285	9		9		9		9		9	
1/4	111,310	1/4	121,631	1/4	131,952	1/4	142,273	1/4	152,487	1/4		1/4		1/4		1/4		1/4	
1/2	111,525	1/2	121,846	1/2	132,167	1/2	142,488	1/2	152,688	1/2		1/2		1/2		1/2		1/2	
3/4	111,740	3/4	122,061	3/4	132,382	3/4	142,703	3/4	152,889	3/4		3/4		3/4		3/4		3/4	
10	111,955	10	122,276	10	132,597	10	142,918	10	153,090	10		10		10		10		10	
1/4	112,170	1/4	122,491	1/4	132,812	1/4	143,133	1/4	153,259	1/4		1/4		1/4		1/4		1/4	
1/2	112,385	1/2	122,706	1/2	133,027	1/2	143,348	1/2	153,427	1/2		1/2		1/2		1/2		1/2	
3/4	112,600	3/4	122,921	3/4	133,242	3/4	143,563	3/4	153,596	3/4		3/4		3/4		3/4		3/4	
11	112,815	11	123,136	11	133,457	11	143,778	11	153,765	11		11		11		11		11	
1/4	113,030	1/4	123,351	1/4	133,672	1/4	143,993	1/4	153,890	1/4		1/4		1/4		1/4		1/4	
1/2	113,245	1/2	123,566	1/2	133,887	1/2	144,208	1/2	154,016	1/2		1/2		1/2		1/2		1/2	
3/4	113,460	3/4	123,781	3/4	134,102	3/4	144,423	3/4	154,141	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/16/2014 CL  
CALCULATED: 12/16/2014 CL  
PRINTED: 12/16/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2014

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



# BARGE "CGBM 129"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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	274	0	11,837	0	23,231	0	34,711	0	46,316	0	57,921	0	69,526	0	81,130	0	92,735	0	104,340
1/4	510	1/4	12,079	1/4	23,464	1/4	34,953	1/4	46,558	1/4	58,163	1/4	69,767	1/4	81,372	1/4	92,977	1/4	104,582
1/2	747	1/2	12,321	1/2	23,698	1/2	35,195	1/2	46,800	1/2	58,404	1/2	70,009	1/2	81,614	1/2	93,219	1/2	104,823
3/4	984	3/4	12,563	3/4	23,931	3/4	35,437	3/4	47,041	3/4	58,646	3/4	70,251	3/4	81,856	3/4	93,460	3/4	105,065
1	1,220	1	12,804	1	24,164	1	35,678	1	47,283	1	58,888	1	70,493	1	82,097	1	93,702	1	105,307
1/4	1,459	1/4	13,046	1/4	24,398	1/4	35,920	1/4	47,525	1/4	59,130	1/4	70,734	1/4	82,339	1/4	93,944	1/4	105,549
1/2	1,698	1/2	13,288	1/2	24,631	1/2	36,162	1/2	47,767	1/2	59,372	1/2	70,976	1/2	82,581	1/2	94,186	1/2	105,791
3/4	1,937	3/4	13,530	3/4	24,864	3/4	36,404	3/4	48,009	3/4	59,613	3/4	71,218	3/4	82,823	3/4	94,428	3/4	106,032
2	2,176	2	13,771	2	25,098	2	36,646	2	48,250	2	59,855	2	71,460	2	83,065	2	94,669	2	106,274
1/4	2,416	1/4	14,013	1/4	25,331	1/4	36,887	1/4	48,492	1/4	60,097	1/4	71,702	1/4	83,306	1/4	94,911	1/4	106,516
1/2	2,657	1/2	14,255	1/2	25,565	1/2	37,129	1/2	48,734	1/2	60,339	1/2	71,943	1/2	83,548	1/2	95,153	1/2	106,758
3/4	2,897	3/4	14,497	3/4	25,798	3/4	37,371	3/4	48,976	3/4	60,580	3/4	72,185	3/4	83,790	3/4	95,395	3/4	106,999
3	3,137	3	14,738	3	26,032	3	37,613	3	49,217	3	60,822	3	72,427	3	84,032	3	95,636	3	107,241
1/4	3,378	1/4	14,980	1/4	26,268	1/4	37,854	1/4	49,459	1/4	61,064	1/4	72,669	1/4	84,273	1/4	95,878	1/4	107,483
1/2	3,620	1/2	15,222	1/2	26,503	1/2	38,096	1/2	49,701	1/2	61,306	1/2	72,910	1/2	84,515	1/2	96,120	1/2	107,725
3/4	3,861	3/4	15,464	3/4	26,739	3/4	38,338	3/4	49,943	3/4	61,547	3/4	73,152	3/4	84,757	3/4	96,362	3/4	107,966
4	4,102	4	15,705	4	26,975	4	38,580	4	50,184	4	61,789	4	73,394	4	84,999	4	96,603	4	108,208
1/4	4,343	1/4	15,947	1/4	27,217	1/4	38,821	1/4	50,426	1/4	62,031	1/4	73,636	1/4	85,240	1/4	96,845	1/4	108,450
1/2	4,585	1/2	16,189	1/2	27,458	1/2	39,063	1/2	50,668	1/2	62,273	1/2	73,877	1/2	85,482	1/2	97,087	1/2	108,692
3/4	4,826	3/4	16,431	3/4	27,700	3/4	39,305	3/4	50,910	3/4	62,514	3/4	74,119	3/4	85,724	3/4	97,329	3/4	108,933
5	5,068	5	16,672	5	27,942	5	39,547	5	51,151	5	62,756	5	74,361	5	85,966	5	97,570	5	109,175
1/4	5,310	1/4	16,912	1/4	28,184	1/4	39,788	1/4	51,393	1/4	62,998	1/4	74,603	1/4	86,208	1/4	97,812	1/4	109,417
1/2	5,552	1/2	17,152	1/2	28,426	1/2	40,030	1/2	51,635	1/2	63,240	1/2	74,845	1/2	86,449	1/2	98,054	1/2	109,659
3/4	5,793	3/4	17,392	3/4	28,667	3/4	40,272	3/4	51,877	3/4	63,482	3/4	75,086	3/4	86,691	3/4	98,296	3/4	109,901
6	6,035	6	17,631	6	28,909	6	40,514	6	52,119	6	63,723	6	75,328	6	86,933	6	98,538	6	110,142
1/4	6,277	1/4	17,865	1/4	29,151	1/4	40,756	1/4	52,360	1/4	63,965	1/4	75,570	1/4	87,175	1/4	98,779	1/4	110,384
1/2	6,519	1/2	18,098	1/2	29,393	1/2	40,997	1/2	52,602	1/2	64,207	1/2	75,812	1/2	87,416	1/2	99,021	1/2	110,626
3/4	6,760	3/4	18,332	3/4	29,634	3/4	41,239	3/4	52,844	3/4	64,449	3/4	76,053	3/4	87,658	3/4	99,263	3/4	110,868
7	7,002	7	18,565	7	29,876	7	41,481	7	53,086	7	64,690	7	76,295	7	87,900	7	99,505	7	111,109
1/4	7,244	1/4	18,798	1/4	30,118	1/4	41,723	1/4	53,327	1/4	64,932	1/4	76,537	1/4	88,142	1/4	99,746	1/4	111,351
1/2	7,486	1/2	19,032	1/2	30,360	1/2	41,964	1/2	53,569	1/2	65,174	1/2	76,779	1/2	88,383	1/2	99,988	1/2	111,593
3/4	7,727	3/4	19,265	3/4	30,601	3/4	42,206	3/4	53,811	3/4	65,416	3/4	77,020	3/4	88,625	3/4	100,230	3/4	111,835
8	7,969	8	19,498	8	30,843	8	42,448	8	54,053	8	65,657	8	77,262	8	88,867	8	100,472	8	112,076
1/4	8,211	1/4	19,732	1/4	31,085	1/4	42,690	1/4	54,294	1/4	65,899	1/4	77,504	1/4	89,109	1/4	100,713	1/4	112,318
1/2	8,453	1/2	19,965	1/2	31,327	1/2	42,931	1/2	54,536	1/2	66,141	1/2	77,746	1/2	89,350	1/2	100,955	1/2	112,560
3/4	8,694	3/4	20,198	3/4	31,568	3/4	43,173	3/4	54,778	3/4	66,383	3/4	77,987	3/4	89,592	3/4	101,197	3/4	112,802
9	8,936	9	20,431	9	31,810	9	43,415	9	55,020	9	66,624	9	78,229	9	89,834	9	101,439	9	113,043
1/4	9,178	1/4	20,665	1/4	32,052	1/4	43,657	1/4	55,261	1/4	66,866	1/4	78,471	1/4	90,076	1/4	101,681	1/4	113,285
1/2	9,420	1/2	20,898	1/2	32,294	1/2	43,899	1/2	55,503	1/2	67,108	1/2	78,713	1/2	90,318	1/2	101,922	1/2	113,527
3/4	9,662	3/4	21,131	3/4	32,536	3/4	44,140	3/4	55,745	3/4	67,350	3/4	78,955	3/4	90,559	3/4	102,164	3/4	113,769
10	9,903	10	21,365	10	32,777	10	44,382	10	55,987	10	67,592	10	79,196	10	90,801	10	102,406	10	114,011
1/4	10,145	1/4	21,598	1/4	33,019	1/4	44,624	1/4	56,229	1/4	67,833	1/4	79,438	1/4	91,043	1/4	102,648	1/4	114,252
1/2	10,387	1/2	21,831	1/2	33,261	1/2	44,866	1/2	56,470	1/2	68,075	1/2	79,680	1/2	91,285	1/2	102,889	1/2	114,494
3/4	10,629	3/4	22,065	3/4	33,503	3/4	45,107	3/4	56,712	3/4	68,317	3/4	79,922	3/4	91,526	3/4	103,131	3/4	114,736
11	10,870	11	22,298	11	33,744	11	45,349	11	56,954	11	68,559	11	80,163	11	91,768	11	103,373	11	114,978
1/4	11,112	1/4	22,531	1/4	33,986	1/4	45,591	1/4	57,196	1/4	68,800	1/4	80,405	1/4	92,010	1/4	103,615	1/4	115,219
1/2	11,354	1/2	22,764	1/2	34,228	1/2	45,833	1/2	57,437	1/2	69,042	1/2	80,647	1/2	92,252	1/2	103,856	1/2	115,461
3/4	11,596	3/4	22,998	3/4	34,470	3/4	46,074	3/4	57,679	3/4	69,284	3/4	80,889	3/4	92,493	3/4	104,098	3/4	115,703

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 TOP OF "MMC" CLOSED GAUGING VALVE  
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 34'-09" FORWARD OF AFT BULKHEAD

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



# BARGE "CGBM 129"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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	115,945	0	127,549	0	139,154	0	150,759	0	162,364	0	173,919	0		0		0		0	
1/4	116,186	1/4	127,791	1/4	139,396	1/4	151,001	1/4	162,605	1/4	173,284	1/4		1/4		1/4		1/4	
1/2	116,428	1/2	128,033	1/2	139,638	1/2	151,242	1/2	162,847	1/2	173,377	1/2		1/2		1/2		1/2	
3/4	116,670	3/4	128,275	3/4	139,879	3/4	151,484	3/4	163,089	3/4	173,470	3/4		3/4		3/4		3/4	
1	116,912	1	128,517	1	140,121	1	151,726	1	163,331	1	173,562	1		1		1		1	
1/4	117,154	1/4	128,758	1/4	140,363	1/4	151,968	1/4	163,573	1/4	173,609	1/4		1/4		1/4		1/4	
1/2	117,395	1/2	129,000	1/2	140,605	1/2	152,210	1/2	163,814	1/2	173,656	1/2		1/2		1/2		1/2	
3/4	117,637	3/4	129,242	3/4	140,847	3/4	152,451	3/4	164,056	3/4	173,703	3/4		3/4		3/4		3/4	
2	117,879	2	129,484	2	141,088	2	152,693	2	164,298	2	173,750	2		2		2		2	
1/4	118,121	1/4	129,725	1/4	141,330	1/4	152,935	1/4	164,539	1/4	173,768	1/4		1/4		1/4		1/4	
1/2	118,362	1/2	129,967	1/2	141,572	1/2	153,177	1/2	164,779	1/2	173,786	1/2		1/2		1/2		1/2	
3/4	118,604	3/4	130,209	3/4	141,814	3/4	153,418	3/4	165,020	3/4		3/4		3/4		3/4		3/4	
3	118,846	3	130,451	3	142,055	3	153,660	3	165,261	3		3		3		3		3	
1/4	119,088	1/4	130,692	1/4	142,297	1/4	153,902	1/4	165,499	1/4		1/4		1/4		1/4		1/4	
1/2	119,329	1/2	130,934	1/2	142,539	1/2	154,144	1/2	165,737	1/2		1/2		1/2		1/2		1/2	
3/4	119,571	3/4	131,176	3/4	142,781	3/4	154,385	3/4	165,975	3/4		3/4		3/4		3/4		3/4	
4	119,813	4	131,418	4	143,022	4	154,627	4	166,213	4		4		4		4		4	
1/4	120,055	1/4	131,659	1/4	143,264	1/4	154,869	1/4	166,450	1/4		1/4		1/4		1/4		1/4	
1/2	120,296	1/2	131,901	1/2	143,506	1/2	155,111	1/2	166,688	1/2		1/2		1/2		1/2		1/2	
3/4	120,538	3/4	132,143	3/4	143,748	3/4	155,352	3/4	166,926	3/4		3/4		3/4		3/4		3/4	
5	120,780	5	132,385	5	143,990	5	155,594	5	167,164	5		5		5		5		5	
1/4	121,022	1/4	132,627	1/4	144,231	1/4	155,836	1/4	167,402	1/4		1/4		1/4		1/4		1/4	
1/2	121,264	1/2	132,868	1/2	144,473	1/2	156,078	1/2	167,640	1/2		1/2		1/2		1/2		1/2	
3/4	121,505	3/4	133,110	3/4	144,715	3/4	156,320	3/4	167,878	3/4		3/4		3/4		3/4		3/4	
6	121,747	6	133,352	6	144,957	6	156,561	6	168,116	6		6		6		6		6	
1/4	121,989	1/4	133,594	1/4	145,198	1/4	156,803	1/4	168,354	1/4		1/4		1/4		1/4		1/4	
1/2	122,231	1/2	133,835	1/2	145,440	1/2	157,045	1/2	168,591	1/2		1/2		1/2		1/2		1/2	
3/4	122,472	3/4	134,077	3/4	145,682	3/4	157,287	3/4	168,829	3/4		3/4		3/4		3/4		3/4	
7	122,714	7	134,319	7	145,924	7	157,528	7	169,067	7		7		7		7		7	
1/4	122,956	1/4	134,561	1/4	146,165	1/4	157,770	1/4	169,305	1/4		1/4		1/4		1/4		1/4	
1/2	123,198	1/2	134,802	1/2	146,407	1/2	158,012	1/2	169,542	1/2		1/2		1/2		1/2		1/2	
3/4	123,439	3/4	135,044	3/4	146,649	3/4	158,254	3/4	169,780	3/4		3/4		3/4		3/4		3/4	
8	123,681	8	135,286	8	146,891	8	158,495	8	170,017	8		8		8		8		8	
1/4	123,923	1/4	135,528	1/4	147,132	1/4	158,737	1/4	170,254	1/4		1/4		1/4		1/4		1/4	
1/2	124,165	1/2	135,769	1/2	147,374	1/2	158,979	1/2	170,490	1/2		1/2		1/2		1/2		1/2	
3/4	124,406	3/4	136,011	3/4	147,616	3/4	159,221	3/4	170,727	3/4		3/4		3/4		3/4		3/4	
9	124,648	9	136,253	9	147,858	9	159,463	9	170,963	9		9		9		9		9	
1/4	124,890	1/4	136,495	1/4	148,100	1/4	159,704	1/4	171,190	1/4		1/4		1/4		1/4		1/4	
1/2	125,132	1/2	136,737	1/2	148,341	1/2	159,946	1/2	171,416	1/2		1/2		1/2		1/2		1/2	
3/4	125,374	3/4	136,978	3/4	148,583	3/4	160,188	3/4	171,642	3/4		3/4		3/4		3/4		3/4	
10	125,615	10	137,220	10	148,825	10	160,430	10	171,868	10		10		10		10		10	
1/4	125,857	1/4	137,462	1/4	149,067	1/4	160,671	1/4	172,058	1/4		1/4		1/4		1/4		1/4	
1/2	126,099	1/2	137,704	1/2	149,308	1/2	160,913	1/2	172,248	1/2		1/2		1/2		1/2		1/2	
3/4	126,341	3/4	137,945	3/4	149,550	3/4	161,155	3/4	172,437	3/4		3/4		3/4		3/4		3/4	
11	126,582	11	138,187	11	149,792	11	161,397	11	172,627	11		11		11		11		11	
1/4	126,824	1/4	138,429	1/4	150,034	1/4	161,638	1/4	172,768	1/4		1/4		1/4		1/4		1/4	
1/2	127,066	1/2	138,671	1/2	150,275	1/2	161,880	1/2	172,909	1/2		1/2		1/2		1/2		1/2	
3/4	127,308	3/4	138,912	3/4	150,517	3/4	162,122	3/4	173,050	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/16/2014 CL  
CALCULATED: 12/16/2014 CL  
PRINTED: 12/16/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2014

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



# BARGE "CGBM 129"

# 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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	222	0	10,222	0	20,237	0	30,359	0	40,649	0	50,939	0	61,224	0	71,398	0	81,691	0	91,984
1/4	408	1/4	10,437	1/4	20,439	1/4	30,573	1/4	40,863	1/4	51,153	1/4	61,438	1/4	71,613	1/4	81,906	1/4	92,198
1/2	594	1/2	10,652	1/2	20,642	1/2	30,788	1/2	41,078	1/2	51,368	1/2	61,652	1/2	71,827	1/2	82,120	1/2	92,411
3/4	780	3/4	10,867	3/4	20,844	3/4	31,002	3/4	41,292	3/4	51,582	3/4	61,866	3/4	72,042	3/4	82,335	3/4	92,625
1	966	1	11,082	1	21,047	1	31,216	1	41,506	1	51,796	1	62,081	1	72,256	1	82,549	1	92,839
1/4	1,160	1/4	11,297	1/4	21,250	1/4	31,431	1/4	41,721	1/4	52,011	1/4	62,294	1/4	72,471	1/4	82,763	1/4	93,053
1/2	1,353	1/2	11,512	1/2	21,453	1/2	31,645	1/2	41,935	1/2	52,225	1/2	62,508	1/2	72,685	1/2	82,978	1/2	93,267
3/4	1,546	3/4	11,727	3/4	21,655	3/4	31,860	3/4	42,150	3/4	52,440	3/4	62,721	3/4	72,899	3/4	83,192	3/4	93,481
2	1,739	2	11,942	2	21,858	2	32,074	2	42,364	2	52,654	2	62,935	2	73,114	2	83,407	2	93,695
1/4	1,939	1/4	12,157	1/4	22,062	1/4	32,288	1/4	42,578	1/4	52,868	1/4	63,146	1/4	73,328	1/4	83,621	1/4	93,909
1/2	2,139	1/2	12,372	1/2	22,265	1/2	32,503	1/2	42,793	1/2	53,083	1/2	63,358	1/2	73,543	1/2	83,836	1/2	94,123
3/4	2,338	3/4	12,587	3/4	22,469	3/4	32,717	3/4	43,007	3/4	53,297	3/4	63,569	3/4	73,757	3/4	84,050	3/4	94,336
3	2,538	3	12,802	3	22,672	3	32,931	3	43,221	3	53,511	3	63,781	3	73,972	3	84,264	3	94,550
1/4	2,743	1/4	13,017	1/4	22,879	1/4	33,146	1/4	43,436	1/4	53,726	1/4	63,992	1/4	74,186	1/4	84,479	1/4	94,764
1/2	2,949	1/2	13,232	1/2	23,086	1/2	33,360	1/2	43,650	1/2	53,940	1/2	64,204	1/2	74,400	1/2	84,693	1/2	94,978
3/4	3,154	3/4	13,447	3/4	23,292	3/4	33,575	3/4	43,865	3/4	54,155	3/4	64,415	3/4	74,615	3/4	84,908	3/4	95,192
4	3,360	4	13,662	4	23,499	4	33,789	4	44,079	4	54,369	4	64,627	4	74,829	4	85,122	4	95,406
1/4	3,570	1/4	13,877	1/4	23,713	1/4	34,003	1/4	44,293	1/4	54,583	1/4	64,838	1/4	75,044	1/4	85,337	1/4	95,620
1/2	3,781	1/2	14,092	1/2	23,928	1/2	34,218	1/2	44,508	1/2	54,798	1/2	65,050	1/2	75,258	1/2	85,551	1/2	95,834
3/4	3,992	3/4	14,307	3/4	24,142	3/4	34,432	3/4	44,722	3/4	55,012	3/4	65,261	3/4	75,473	3/4	85,766	3/4	96,048
5	4,203	5	14,522	5	24,356	5	34,646	5	44,936	5	55,226	5	65,473	5	75,687	5	85,980	5	96,261
1/4	4,418	1/4	14,734	1/4	24,571	1/4	34,861	1/4	45,151	1/4	55,441	1/4	65,684	1/4	75,901	1/4	86,194	1/4	96,475
1/2	4,632	1/2	14,946	1/2	24,785	1/2	35,075	1/2	45,365	1/2	55,655	1/2	65,896	1/2	76,116	1/2	86,409	1/2	96,689
3/4	4,847	3/4	15,159	3/4	25,000	3/4	35,290	3/4	45,580	3/4	55,870	3/4	66,108	3/4	76,330	3/4	86,623	3/4	96,903
6	5,061	6	15,371	6	25,214	6	35,504	6	45,794	6	56,084	6	66,319	6	76,545	6	86,838	6	97,117
1/4	5,276	1/4	15,574	1/4	25,428	1/4	35,718	1/4	46,008	1/4	56,298	1/4	66,531	1/4	76,759	1/4	87,052	1/4	97,331
1/2	5,491	1/2	15,778	1/2	25,643	1/2	35,933	1/2	46,223	1/2	56,513	1/2	66,742	1/2	76,974	1/2	87,267	1/2	97,545
3/4	5,706	3/4	15,981	3/4	25,857	3/4	36,147	3/4	46,437	3/4	56,727	3/4	66,954	3/4	77,188	3/4	87,481	3/4	97,759
7	5,921	7	16,185	7	26,071	7	36,361	7	46,651	7	56,941	7	67,165	7	77,403	7	87,695	7	97,973
1/4	6,136	1/4	16,387	1/4	26,286	1/4	36,576	1/4	46,866	1/4	57,156	1/4	67,377	1/4	77,617	1/4	87,910	1/4	98,186
1/2	6,351	1/2	16,590	1/2	26,500	1/2	36,790	1/2	47,080	1/2	57,370	1/2	67,588	1/2	77,831	1/2	88,124	1/2	98,400
3/4	6,566	3/4	16,793	3/4	26,715	3/4	37,005	3/4	47,295	3/4	57,584	3/4	67,800	3/4	78,046	3/4	88,339	3/4	98,614
8	6,781	8	16,995	8	26,929	8	37,219	8	47,509	8	57,798	8	68,011	8	78,260	8	88,553	8	98,828
1/4	6,996	1/4	17,198	1/4	27,143	1/4	37,433	1/4	47,723	1/4	58,012	1/4	68,223	1/4	78,475	1/4	88,768	1/4	99,042
1/2	7,211	1/2	17,400	1/2	27,358	1/2	37,648	1/2	47,938	1/2	58,226	1/2	68,434	1/2	78,689	1/2	88,982	1/2	99,256
3/4	7,426	3/4	17,603	3/4	27,572	3/4	37,862	3/4	48,152	3/4	58,440	3/4	68,646	3/4	78,904	3/4	89,197	3/4	99,470
9	7,641	9	17,806	9	27,786	9	38,076	9	48,366	9	58,655	9	68,857	9	79,118	9	89,411	9	99,684
1/4	7,856	1/4	18,008	1/4	28,001	1/4	38,291	1/4	48,581	1/4	58,869	1/4	69,069	1/4	79,332	1/4	89,625	1/4	99,898
1/2	8,071	1/2	18,211	1/2	28,215	1/2	38,505	1/2	48,795	1/2	59,083	1/2	69,280	1/2	79,547	1/2	89,840	1/2	100,112
3/4	8,286	3/4	18,413	3/4	28,430	3/4	38,720	3/4	49,010	3/4	59,297	3/4	69,492	3/4	79,761	3/4	90,054	3/4	100,325
10	8,501	10	18,616	10	28,644	10	38,934	10	49,224	10	59,511	10	69,703	10	79,976	10	90,269	10	100,539
1/4	8,716	1/4	18,819	1/4	28,858	1/4	39,148	1/4	49,438	1/4	59,725	1/4	69,915	1/4	80,190	1/4	90,483	1/4	100,753
1/2	8,931	1/2	19,021	1/2	29,073	1/2	39,363	1/2	49,653	1/2	59,939	1/2	70,126	1/2	80,405	1/2	90,698	1/2	100,967
3/4	9,146	3/4	19,224	3/4	29,287	3/4	39,577	3/4	49,867	3/4	60,153	3/4	70,338	3/4	80,619	3/4	90,912	3/4	101,181
11	9,361	11	19,426	11	29,501	11	39,791	11	50,081	11	60,368	11	70,549	11	80,834	11	91,126	11	101,395
1/4	9,576	1/4	19,629	1/4	29,716	1/4	40,006	1/4	50,296	1/4	60,582	1/4	70,762	1/4	81,048	1/4	91,341	1/4	101,609
1/2	9,792	1/2	19,832	1/2	29,930	1/2	40,220	1/2	50,510	1/2	60,796	1/2	70,974	1/2	81,262	1/2	91,555	1/2	101,823
3/4	10,007	3/4	20,034	3/4	30,145	3/4	40,435	3/4	50,725	3/4	61,010	3/4	71,186	3/4	81,477	3/4	91,769	3/4	102,037

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 TOP OF "MMC" CLOSED GAUGING VALVE  
 GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 21'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "CGBM 129"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 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	102,250	0	112,409	0	121,372	0	130,336	0	139,299	0	147,590	0		0		0		0	
1/4	102,464	1/4	112,595	1/4	121,559	1/4	130,523	1/4	139,486	1/4	147,645	1/4		1/4		1/4		1/4	
1/2	102,678	1/2	112,782	1/2	121,746	1/2	130,709	1/2	139,673	1/2	147,699	1/2		1/2		1/2		1/2	
3/4	102,892	3/4	112,969	3/4	121,932	3/4	130,896	3/4	139,860	3/4	147,754	3/4		3/4		3/4		3/4	
1	103,106	1	113,156	1	122,119	1	131,083	1	140,046	1	147,809	1		1		1		1	
1/4	103,320	1/4	113,342	1/4	122,306	1/4	131,269	1/4	140,233	1/4	147,830	1/4		1/4		1/4		1/4	
1/2	103,534	1/2	113,529	1/2	122,493	1/2	131,456	1/2	140,420	1/2	147,851	1/2		1/2		1/2		1/2	
3/4	103,748	3/4	113,716	3/4	122,679	3/4	131,643	3/4	140,606	3/4	147,872	3/4		3/4		3/4		3/4	
2	103,962	2	113,903	2	122,866	2	131,830	2	140,793	2	147,893	2		2		2		2	
1/4	104,175	1/4	114,089	1/4	123,053	1/4	132,016	1/4	140,979	1/4	147,909	1/4		1/4		1/4		1/4	
1/2	104,389	1/2	114,276	1/2	123,240	1/2	132,203	1/2	141,165	1/2	147,925	1/2		1/2		1/2		1/2	
3/4	104,603	3/4	114,463	3/4	123,426	3/4	132,390	3/4	141,351	3/4		3/4		3/4		3/4		3/4	
3	104,817	3	114,650	3	123,613	3	132,577	3	141,537	3		3		3		3		3	
1/4	105,031	1/4	114,836	1/4	123,800	1/4	132,763	1/4	141,721	1/4		1/4		1/4		1/4		1/4	
1/2	105,245	1/2	115,023	1/2	123,987	1/2	132,950	1/2	141,905	1/2		1/2		1/2		1/2		1/2	
3/4	105,459	3/4	115,210	3/4	124,173	3/4	133,137	3/4	142,089	3/4		3/4		3/4		3/4		3/4	
4	105,673	4	115,397	4	124,360	4	133,324	4	142,272	4		4		4		4		4	
1/4	105,887	1/4	115,583	1/4	124,547	1/4	133,510	1/4	142,456	1/4		1/4		1/4		1/4		1/4	
1/2	106,101	1/2	115,770	1/2	124,734	1/2	133,697	1/2	142,640	1/2		1/2		1/2		1/2		1/2	
3/4	106,315	3/4	115,957	3/4	124,920	3/4	133,884	3/4	142,824	3/4		3/4		3/4		3/4		3/4	
5	106,529	5	116,143	5	125,107	5	134,071	5	143,008	5		5		5		5		5	
1/4	106,744	1/4	116,330	1/4	125,294	1/4	134,257	1/4	143,191	1/4		1/4		1/4		1/4		1/4	
1/2	106,959	1/2	116,517	1/2	125,481	1/2	134,444	1/2	143,375	1/2		1/2		1/2		1/2		1/2	
3/4	107,174	3/4	116,704	3/4	125,667	3/4	134,631	3/4	143,559	3/4		3/4		3/4		3/4		3/4	
6	107,390	6	116,890	6	125,854	6	134,818	6	143,743	6		6		6		6		6	
1/4	107,605	1/4	117,077	1/4	126,041	1/4	135,004	1/4	143,926	1/4		1/4		1/4		1/4		1/4	
1/2	107,820	1/2	117,264	1/2	126,227	1/2	135,191	1/2	144,110	1/2		1/2		1/2		1/2		1/2	
3/4	108,035	3/4	117,451	3/4	126,414	3/4	135,378	3/4	144,294	3/4		3/4		3/4		3/4		3/4	
7	108,250	7	117,637	7	126,601	7	135,564	7	144,478	7		7		7		7		7	
1/4	108,465	1/4	117,824	1/4	126,788	1/4	135,751	1/4	144,661	1/4		1/4		1/4		1/4		1/4	
1/2	108,680	1/2	118,011	1/2	126,974	1/2	135,938	1/2	144,845	1/2		1/2		1/2		1/2		1/2	
3/4	108,895	3/4	118,198	3/4	127,161	3/4	136,125	3/4	145,028	3/4		3/4		3/4		3/4		3/4	
8	109,110	8	118,384	8	127,348	8	136,311	8	145,212	8		8		8		8		8	
1/4	109,325	1/4	118,571	1/4	127,535	1/4	136,498	1/4	145,394	1/4		1/4		1/4		1/4		1/4	
1/2	109,540	1/2	118,758	1/2	127,721	1/2	136,685	1/2	145,577	1/2		1/2		1/2		1/2		1/2	
3/4	109,755	3/4	118,945	3/4	127,908	3/4	136,872	3/4	145,759	3/4		3/4		3/4		3/4		3/4	
9	109,970	9	119,131	9	128,095	9	137,058	9	145,942	9		9		9		9		9	
1/4	110,185	1/4	119,318	1/4	128,282	1/4	137,245	1/4	146,115	1/4		1/4		1/4		1/4		1/4	
1/2	110,400	1/2	119,505	1/2	128,468	1/2	137,432	1/2	146,289	1/2		1/2		1/2		1/2		1/2	
3/4	110,615	3/4	119,692	3/4	128,655	3/4	137,619	3/4	146,462	3/4		3/4		3/4		3/4		3/4	
10	110,830	10	119,878	10	128,842	10	137,805	10	146,636	10		10		10		10		10	
1/4	111,038	1/4	120,065	1/4	129,029	1/4	137,992	1/4	146,777	1/4		1/4		1/4		1/4		1/4	
1/2	111,246	1/2	120,252	1/2	129,215	1/2	138,179	1/2	146,917	1/2		1/2		1/2		1/2		1/2	
3/4	111,454	3/4	120,439	3/4	129,402	3/4	138,366	3/4	147,058	3/4		3/4		3/4		3/4		3/4	
11	111,662	11	120,625	11	129,589	11	138,552	11	147,199	11		11		11		11		11	
1/4	111,848	1/4	120,812	1/4	129,776	1/4	138,739	1/4	147,297	1/4		1/4		1/4		1/4		1/4	
1/2	112,035	1/2	120,999	1/2	129,962	1/2	138,926	1/2	147,394	1/2		1/2		1/2		1/2		1/2	
3/4	112,222	3/4	121,185	3/4	130,149	3/4	139,113	3/4	147,492	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CALCULATED: 12/16/2014 CL  
PRINTED: 12/16/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2014

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