



BARGE "GBL 2830"

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 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	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 STBD	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
3 PORT	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
3 STBD	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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 3'-00" (DOWN BY STERN)

THE CORRECTION FOR 3'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 238'-06"

September 12, 2012

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

<http://www.pmacorp.net>



BARGE "GBL 2830"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-10 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	545	0	12,991	0	27,774	0	42,828	0	57,881	0	72,922	0	87,968	0	103,022	0	118,072	0	133,118
1/4	713	1/4	13,284	1/4	28,088	1/4	43,141	1/4	58,195	1/4	73,235	1/4	88,282	1/4	103,336	1/4	118,385	1/4	133,432
1/2	881	1/2	13,577	1/2	28,401	1/2	43,455	1/2	58,509	1/2	73,548	1/2	88,595	1/2	103,649	1/2	118,699	1/2	133,745
3/4	1,050	3/4	13,870	3/4	28,715	3/4	43,769	3/4	58,822	3/4	73,861	3/4	88,909	3/4	103,963	3/4	119,012	3/4	134,059
1	1,218	1	14,163	1	29,028	1	44,082	1	59,136	1	74,174	1	89,222	1	104,277	1	119,325	1	134,372
1/4	1,447	1/4	14,459	1/4	29,342	1/4	44,396	1/4	59,449	1/4	74,487	1/4	89,536	1/4	104,590	1/4	119,639	1/4	134,686
1/2	1,677	1/2	14,756	1/2	29,656	1/2	44,709	1/2	59,763	1/2	74,800	1/2	89,850	1/2	104,904	1/2	119,952	1/2	134,999
3/4	1,907	3/4	15,053	3/4	29,969	3/4	45,023	3/4	60,077	3/4	75,113	3/4	90,163	3/4	105,217	3/4	120,266	3/4	135,313
2	2,136	2	15,349	2	30,283	2	45,337	2	60,390	2	75,426	2	90,477	2	105,531	2	120,579	2	135,626
1/4	2,389	1/4	15,650	1/4	30,597	1/4	45,650	1/4	60,704	1/4	75,739	1/4	90,791	1/4	105,845	1/4	120,893	1/4	135,940
1/2	2,643	1/2	15,950	1/2	30,910	1/2	45,964	1/2	61,018	1/2	76,053	1/2	91,104	1/2	106,158	1/2	121,206	1/2	136,253
3/4	2,896	3/4	16,251	3/4	31,224	3/4	46,277	3/4	61,331	3/4	76,366	3/4	91,418	3/4	106,472	3/4	121,520	3/4	136,567
3	3,149	3	16,552	3	31,537	3	46,591	3	61,645	3	76,679	3	91,732	3	106,786	3	121,833	3	136,880
1/4	3,407	1/4	16,856	1/4	31,851	1/4	46,905	1/4	61,958	1/4	76,992	1/4	92,045	1/4	107,099	1/4	122,147	1/4	137,194
1/2	3,664	1/2	17,160	1/2	32,165	1/2	47,218	1/2	62,272	1/2	77,305	1/2	92,359	1/2	107,413	1/2	122,460	1/2	137,507
3/4	3,922	3/4	17,465	3/4	32,478	3/4	47,532	3/4	62,586	3/4	77,619	3/4	92,672	3/4	107,727	3/4	122,774	3/4	137,820
4	4,180	4	17,769	4	32,792	4	47,846	4	62,899	4	77,932	4	92,986	4	108,040	4	123,087	4	138,134
1/4	4,442	1/4	18,078	1/4	33,106	1/4	48,159	1/4	63,213	1/4	78,246	1/4	93,300	1/4	108,354	1/4	123,401	1/4	138,447
1/2	4,703	1/2	18,386	1/2	33,419	1/2	48,473	1/2	63,527	1/2	78,559	1/2	93,613	1/2	108,667	1/2	123,714	1/2	138,761
3/4	4,965	3/4	18,694	3/4	33,733	3/4	48,786	3/4	63,840	3/4	78,873	3/4	93,927	3/4	108,981	3/4	124,028	3/4	139,074
5	5,227	5	19,002	5	34,046	5	49,100	5	64,154	5	79,186	5	94,241	5	109,294	5	124,341	5	139,388
1/4	5,493	1/4	19,314	1/4	34,360	1/4	49,414	1/4	64,467	1/4	79,500	1/4	94,554	1/4	109,608	1/4	124,655	1/4	139,701
1/2	5,758	1/2	19,625	1/2	34,674	1/2	49,727	1/2	64,781	1/2	79,814	1/2	94,868	1/2	109,921	1/2	124,968	1/2	140,015
3/4	6,024	3/4	19,937	3/4	34,987	3/4	50,041	3/4	65,094	3/4	80,127	3/4	95,181	3/4	110,235	3/4	125,281	3/4	140,328
6	6,290	6	20,249	6	35,301	6	50,355	6	65,408	6	80,441	6	95,495	6	110,548	6	125,595	6	140,642
1/4	6,559	1/4	20,562	1/4	35,614	1/4	50,668	1/4	65,721	1/4	80,755	1/4	95,809	1/4	110,862	1/4	125,908	1/4	140,955
1/2	6,829	1/2	20,875	1/2	35,928	1/2	50,982	1/2	66,034	1/2	81,068	1/2	96,122	1/2	111,175	1/2	126,222	1/2	141,269
3/4	7,098	3/4	21,188	3/4	36,242	3/4	51,295	3/4	66,348	3/4	81,382	3/4	96,436	3/4	111,489	3/4	126,535	3/4	141,582
7	7,368	7	21,502	7	36,555	7	51,609	7	66,661	7	81,695	7	96,750	7	111,802	7	126,849	7	141,896
1/4	7,641	1/4	21,815	1/4	36,869	1/4	51,923	1/4	66,974	1/4	82,009	1/4	97,063	1/4	112,116	1/4	127,162	1/4	142,209
1/2	7,915	1/2	22,129	1/2	37,183	1/2	52,236	1/2	67,287	1/2	82,323	1/2	97,377	1/2	112,429	1/2	127,476	1/2	142,523
3/4	8,188	3/4	22,442	3/4	37,496	3/4	52,550	3/4	67,600	3/4	82,636	3/4	97,690	3/4	112,742	3/4	127,789	3/4	142,836
8	8,462	8	22,756	8	37,810	8	52,863	8	67,913	8	82,950	8	98,004	8	113,056	8	128,103	8	143,150
1/4	8,739	1/4	23,070	1/4	38,123	1/4	53,177	1/4	68,226	1/4	83,264	1/4	98,318	1/4	113,369	1/4	128,416	1/4	143,463
1/2	9,016	1/2	23,383	1/2	38,437	1/2	53,491	1/2	68,539	1/2	83,577	1/2	98,631	1/2	113,683	1/2	128,730	1/2	143,776
3/4	9,294	3/4	23,697	3/4	38,751	3/4	53,804	3/4	68,852	3/4	83,891	3/4	98,945	3/4	113,996	3/4	129,043	3/4	144,090
9	9,571	9	24,011	9	39,064	9	54,118	9	69,165	9	84,204	9	99,259	9	114,310	9	129,357	9	144,403
1/4	9,852	1/4	24,324	1/4	39,378	1/4	54,432	1/4	69,478	1/4	84,518	1/4	99,572	1/4	114,623	1/4	129,670	1/4	144,717
1/2	10,133	1/2	24,638	1/2	39,692	1/2	54,745	1/2	69,791	1/2	84,832	1/2	99,886	1/2	114,937	1/2	129,984	1/2	145,030
3/4	10,414	3/4	24,951	3/4	40,005	3/4	55,059	3/4	70,105	3/4	85,145	3/4	100,199	3/4	115,250	3/4	130,297	3/4	145,344
10	10,696	10	25,265	10	40,319	10	55,372	10	70,418	10	85,459	10	100,513	10	115,564	10	130,611	10	145,657
1/4	10,981	1/4	25,579	1/4	40,632	1/4	55,686	1/4	70,731	1/4	85,773	1/4	100,827	1/4	115,877	1/4	130,924	1/4	145,971
1/2	11,266	1/2	25,892	1/2	40,946	1/2	56,000	1/2	71,044	1/2	86,086	1/2	101,140	1/2	116,191	1/2	131,238	1/2	146,284
3/4	11,551	3/4	26,206	3/4	41,260	3/4	56,313	3/4	71,357	3/4	86,400	3/4	101,454	3/4	116,504	3/4	131,551	3/4	146,598
11	11,836	11	26,520	11	41,573	11	56,627	11	71,670	11	86,713	11	101,768	11	116,818	11	131,864	11	146,911
1/4	12,125	1/4	26,833	1/4	41,887	1/4	56,941	1/4	71,983	1/4	87,027	1/4	102,081	1/4	117,131	1/4	132,178	1/4	147,225
1/2	12,414	1/2	27,147	1/2	42,200	1/2	57,254	1/2	72,296	1/2	87,341	1/2	102,395	1/2	117,445	1/2	132,491	1/2	147,538
3/4	12,703	3/4	27,460	3/4	42,514	3/4	57,568	3/4	72,609	3/4	87,654	3/4	102,708	3/4	117,758	3/4	132,805	3/4	147,852

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 12'-09" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

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BARGE "GBL 2830"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-10 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	148,165	0	163,212	0	178,256	0	193,259	0	208,174	0		0		0		0		0	
1/4	148,479	1/4	163,525	1/4	178,569	1/4	193,572	1/4	208,470	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	148,792	1/2	163,839	1/2	178,882	1/2	193,885	1/2	208,766	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	149,106	3/4	164,152	3/4	179,194	3/4	194,197	3/4	209,062	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	149,419	1	164,466	1	179,507	1	194,510	1	209,358	1	1	1	1	1	1	1	1	1	1
1/4	149,733	1/4	164,779	1/4	179,819	1/4	194,822	1/4	209,618	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	150,046	1/2	165,093	1/2	180,132	1/2	195,135	1/2	209,878	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	150,359	3/4	165,406	3/4	180,444	3/4	195,447	3/4	210,138	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	150,673	2	165,720	2	180,757	2	195,760	2	210,398	2	2	2	2	2	2	2	2	2	2
1/4	150,986	1/4	166,033	1/4	181,070	1/4	196,071	1/4	210,613	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,300	1/2	166,347	1/2	181,382	1/2	196,382	1/2	210,829	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,613	3/4	166,660	3/4	181,695	3/4	196,693	3/4	211,044	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	151,927	3	166,974	3	182,007	3	197,005	3	211,259	3	3	3	3	3	3	3	3	3	3
1/4	152,240	1/4	167,287	1/4	182,320	1/4	197,315	1/4	211,430	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,554	1/2	167,601	1/2	182,632	1/2	197,625	1/2	211,600	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,867	3/4	167,914	3/4	182,945	3/4	197,936	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	153,181	4	168,228	4	183,257	4	198,246	4		4	4	4	4	4	4	4	4	4	4
1/4	153,494	1/4	168,541	1/4	183,570	1/4	198,557	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,808	1/2	168,854	1/2	183,883	1/2	198,867	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,121	3/4	169,168	3/4	184,195	3/4	199,177	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	154,435	5	169,481	5	184,508	5	199,488	5	5	5	5	5	5	5	5	5	5	5	5
1/4	154,748	1/4	169,795	1/4	184,820	1/4	199,798	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,062	1/2	170,108	1/2	185,133	1/2	200,108	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,375	3/4	170,422	3/4	185,445	3/4	200,419	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	155,689	6	170,735	6	185,758	6	200,729	6	6	6	6	6	6	6	6	6	6	6	6
1/4	156,002	1/4	171,049	1/4	186,070	1/4	201,040	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,315	1/2	171,362	1/2	186,383	1/2	201,350	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,629	3/4	171,676	3/4	186,696	3/4	201,660	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	156,942	7	171,989	7	187,008	7	201,971	7	7	7	7	7	7	7	7	7	7	7	7
1/4	157,256	1/4	172,303	1/4	187,321	1/4	202,281	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,569	1/2	172,616	1/2	187,633	1/2	202,591	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,883	3/4	172,930	3/4	187,946	3/4	202,902	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	158,196	8	173,243	8	188,258	8	203,212	8	8	8	8	8	8	8	8	8	8	8	8
1/4	158,510	1/4	173,557	1/4	188,571	1/4	203,522	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,823	1/2	173,870	1/2	188,884	1/2	203,833	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,137	3/4	174,184	3/4	189,196	3/4	204,143	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	159,450	9	174,497	9	189,509	9	204,454	9	9	9	9	9	9	9	9	9	9	9	9
1/4	159,764	1/4	174,811	1/4	189,821	1/4	204,764	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,077	1/2	175,124	1/2	190,134	1/2	205,074	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,391	3/4	175,437	3/4	190,446	3/4	205,385	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	160,704	10	175,751	10	190,759	10	205,695	10	10	10	10	10	10	10	10	10	10	10	10
1/4	161,018	1/4	176,064	1/4	191,071	1/4	206,006	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,331	1/2	176,378	1/2	191,384	1/2	206,316	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,645	3/4	176,691	3/4	191,697	3/4	206,626	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	161,958	11	177,005	11	192,009	11	206,936	11	11	11	11	11	11	11	11	11	11	11	11
1/4	162,272	1/4	177,318	1/4	192,322	1/4	207,246	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,585	1/2	177,631	1/2	192,634	1/2	207,555	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,898	3/4	177,944	3/4	192,947	3/4	207,865	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: 09/12/2012 CL - SW
CALCULATED: 09/12/2012 CL
PRINTED: 09/12/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2012

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



BARGE "GBL 2830"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	545	0	12,990	0	27,773	0	42,826	0	57,880	0	72,871	0	87,887	0	102,941	0	117,991	0	133,038
1/4	713	1/4	13,283	1/4	28,086	1/4	43,140	1/4	58,194	1/4	73,182	1/4	88,201	1/4	103,255	1/4	118,304	1/4	133,351
1/2	881	1/2	13,576	1/2	28,400	1/2	43,454	1/2	58,507	1/2	73,493	1/2	88,514	1/2	103,569	1/2	118,618	1/2	133,665
3/4	1,049	3/4	13,869	3/4	28,714	3/4	43,767	3/4	58,821	3/4	73,804	3/4	88,828	3/4	103,882	3/4	118,931	3/4	133,978
1	1,218	1	14,162	1	29,027	1	44,081	1	59,135	1	74,116	1	89,142	1	104,196	1	119,245	1	134,291
1/4	1,447	1/4	14,458	1/4	29,341	1/4	44,395	1/4	59,448	1/4	74,427	1/4	89,455	1/4	104,509	1/4	119,558	1/4	134,605
1/2	1,677	1/2	14,755	1/2	29,655	1/2	44,708	1/2	59,762	1/2	74,738	1/2	89,769	1/2	104,823	1/2	119,872	1/2	134,918
3/4	1,906	3/4	15,052	3/4	29,968	3/4	45,022	3/4	60,076	3/4	75,049	3/4	90,083	3/4	105,137	3/4	120,185	3/4	135,232
2	2,136	2	15,348	2	30,282	2	45,335	2	60,389	2	75,361	2	90,396	2	105,450	2	120,499	2	135,545
1/4	2,389	1/4	15,649	1/4	30,595	1/4	45,649	1/4	60,703	1/4	75,672	1/4	90,710	1/4	105,764	1/4	120,812	1/4	135,859
1/2	2,642	1/2	15,949	1/2	30,909	1/2	45,963	1/2	61,016	1/2	75,983	1/2	91,023	1/2	106,078	1/2	121,126	1/2	136,172
3/4	2,895	3/4	16,250	3/4	31,223	3/4	46,276	3/4	61,330	3/4	76,295	3/4	91,337	3/4	106,391	3/4	121,439	3/4	136,486
3	3,149	3	16,550	3	31,536	3	46,590	3	61,644	3	76,606	3	91,651	3	106,705	3	121,752	3	136,799
1/4	3,406	1/4	16,855	1/4	31,850	1/4	46,904	1/4	61,957	1/4	76,918	1/4	91,964	1/4	107,018	1/4	122,066	1/4	137,113
1/2	3,664	1/2	17,159	1/2	32,163	1/2	47,217	1/2	62,270	1/2	77,230	1/2	92,278	1/2	107,332	1/2	122,379	1/2	137,426
3/4	3,922	3/4	17,464	3/4	32,477	3/4	47,531	3/4	62,584	3/4	77,541	3/4	92,592	3/4	107,646	3/4	122,693	3/4	137,740
4	4,179	4	17,768	4	32,791	4	47,844	4	62,897	4	77,853	4	92,905	4	107,959	4	123,006	4	138,053
1/4	4,441	1/4	18,076	1/4	33,104	1/4	48,158	1/4	63,210	1/4	78,166	1/4	93,219	1/4	108,273	1/4	123,320	1/4	138,367
1/2	4,703	1/2	18,385	1/2	33,418	1/2	48,472	1/2	63,523	1/2	78,479	1/2	93,532	1/2	108,586	1/2	123,633	1/2	138,680
3/4	4,965	3/4	18,693	3/4	33,732	3/4	48,785	3/4	63,835	3/4	78,793	3/4	93,846	3/4	108,900	3/4	123,947	3/4	138,994
5	5,226	5	19,001	5	34,045	5	49,099	5	64,148	5	79,106	5	94,160	5	109,213	5	124,260	5	139,307
1/4	5,492	1/4	19,313	1/4	34,359	1/4	49,412	1/4	64,461	1/4	79,419	1/4	94,473	1/4	109,527	1/4	124,574	1/4	139,621
1/2	5,758	1/2	19,624	1/2	34,672	1/2	49,726	1/2	64,773	1/2	79,733	1/2	94,787	1/2	109,840	1/2	124,887	1/2	139,934
3/4	6,023	3/4	19,936	3/4	34,986	3/4	50,040	3/4	65,086	3/4	80,046	3/4	95,101	3/4	110,154	3/4	125,201	3/4	140,247
6	6,289	6	20,247	6	35,300	6	50,353	6	65,398	6	80,360	6	95,414	6	110,467	6	125,514	6	140,561
1/4	6,559	1/4	20,561	1/4	35,613	1/4	50,667	1/4	65,710	1/4	80,674	1/4	95,728	1/4	110,781	1/4	125,828	1/4	140,874
1/2	6,828	1/2	20,874	1/2	35,927	1/2	50,981	1/2	66,022	1/2	80,987	1/2	96,042	1/2	111,094	1/2	126,141	1/2	141,188
3/4	7,098	3/4	21,187	3/4	36,241	3/4	51,294	3/4	66,334	3/4	81,301	3/4	96,355	3/4	111,408	3/4	126,455	3/4	141,501
7	7,367	7	21,500	7	36,554	7	51,608	7	66,645	7	81,615	7	96,669	7	111,721	7	126,768	7	141,815
1/4	7,641	1/4	21,814	1/4	36,868	1/4	51,921	1/4	66,957	1/4	81,928	1/4	96,982	1/4	112,035	1/4	127,082	1/4	142,128
1/2	7,914	1/2	22,128	1/2	37,181	1/2	52,235	1/2	67,268	1/2	82,242	1/2	97,296	1/2	112,348	1/2	127,395	1/2	142,442
3/4	8,187	3/4	22,441	3/4	37,495	3/4	52,549	3/4	67,579	3/4	82,556	3/4	97,610	3/4	112,662	3/4	127,708	3/4	142,755
8	8,461	8	22,755	8	37,809	8	52,862	8	67,891	8	82,869	8	97,923	8	112,975	8	128,022	8	143,069
1/4	8,738	1/4	23,069	1/4	38,122	1/4	53,176	1/4	68,202	1/4	83,183	1/4	98,237	1/4	113,289	1/4	128,335	1/4	143,382
1/2	9,015	1/2	23,382	1/2	38,436	1/2	53,490	1/2	68,513	1/2	83,496	1/2	98,551	1/2	113,602	1/2	128,649	1/2	143,696
3/4	9,293	3/4	23,696	3/4	38,749	3/4	53,803	3/4	68,824	3/4	83,810	3/4	98,864	3/4	113,916	3/4	128,962	3/4	144,009
9	9,570	9	24,009	9	39,063	9	54,117	9	69,136	9	84,124	9	99,178	9	114,229	9	129,276	9	144,323
1/4	9,851	1/4	24,323	1/4	39,377	1/4	54,430	1/4	69,447	1/4	84,437	1/4	99,491	1/4	114,543	1/4	129,589	1/4	144,636
1/2	10,132	1/2	24,637	1/2	39,690	1/2	54,744	1/2	69,758	1/2	84,751	1/2	99,805	1/2	114,856	1/2	129,903	1/2	144,950
3/4	10,413	3/4	24,950	3/4	40,004	3/4	55,058	3/4	70,069	3/4	85,065	3/4	100,119	3/4	115,170	3/4	130,216	3/4	145,263
10	10,695	10	25,264	10	40,318	10	55,371	10	70,381	10	85,378	10	100,432	10	115,483	10	130,530	10	145,577
1/4	10,980	1/4	25,577	1/4	40,631	1/4	55,685	1/4	70,692	1/4	85,692	1/4	100,746	1/4	115,796	1/4	130,843	1/4	145,890
1/2	11,265	1/2	25,891	1/2	40,945	1/2	55,998	1/2	71,003	1/2	86,005	1/2	101,060	1/2	116,110	1/2	131,157	1/2	146,204
3/4	11,550	3/4	26,205	3/4	41,258	3/4	56,312	3/4	71,314	3/4	86,319	3/4	101,373	3/4	116,423	3/4	131,470	3/4	146,517
11	11,835	11	26,518	11	41,572	11	56,626	11	71,626	11	86,633	11	101,687	11	116,737	11	131,784	11	146,830
1/4	12,124	1/4	26,832	1/4	41,886	1/4	56,939	1/4	71,937	1/4	86,946	1/4	102,000	1/4	117,050	1/4	132,097	1/4	147,144
1/2	12,413	1/2	27,146	1/2	42,199	1/2	57,253	1/2	72,248	1/2	87,260	1/2	102,314	1/2	117,364	1/2	132,411	1/2	147,457
3/4	12,702	3/4	27,459	3/4	42,513	3/4	57,567	3/4	72,559	3/4	87,574	3/4	102,628	3/4	117,677	3/4	132,724	3/4	147,771

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 12'-09" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "GBL 2830"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	148,084	0	163,131	0	178,176	0	193,179	0	208,093	0		0		0		0		0	
1/4	148,398	1/4	163,445	1/4	178,488	1/4	193,491	1/4	208,389	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	148,711	1/2	163,758	1/2	178,801	1/2	193,804	1/2	208,685	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	149,025	3/4	164,072	3/4	179,113	3/4	194,116	3/4	208,981	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	149,338	1	164,385	1	179,426	1	194,429	1	209,277	1	1	1	1	1	1	1	1	1	1
1/4	149,652	1/4	164,699	1/4	179,738	1/4	194,741	1/4	209,537	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	149,965	1/2	165,012	1/2	180,051	1/2	195,054	1/2	209,797	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	150,279	3/4	165,325	3/4	180,364	3/4	195,366	3/4	210,057	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	150,592	2	165,639	2	180,676	2	195,679	2	210,317	2	2	2	2	2	2	2	2	2	2
1/4	150,906	1/4	165,952	1/4	180,989	1/4	195,990	1/4	210,533	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,219	1/2	166,266	1/2	181,301	1/2	196,301	1/2	210,748	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,533	3/4	166,579	3/4	181,614	3/4	196,613	3/4	210,963	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	151,846	3	166,893	3	181,926	3	196,924	3	211,179	3	3	3	3	3	3	3	3	3	3
1/4	152,160	1/4	167,206	1/4	182,239	1/4	197,234	1/4	211,349	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,473	1/2	167,520	1/2	182,551	1/2	197,545	1/2	211,520	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,786	3/4	167,833	3/4	182,864	3/4	197,855	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	153,100	4	168,147	4	183,177	4	198,165	4		4	4	4	4	4	4	4	4	4	4
1/4	153,413	1/4	168,460	1/4	183,489	1/4	198,476	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,727	1/2	168,774	1/2	183,802	1/2	198,786	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,040	3/4	169,087	3/4	184,114	3/4	199,096	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	154,354	5	169,401	5	184,427	5	199,407	5		5	5	5	5	5	5	5	5	5	5
1/4	154,667	1/4	169,714	1/4	184,739	1/4	199,717	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,981	1/2	170,028	1/2	185,052	1/2	200,028	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,294	3/4	170,341	3/4	185,365	3/4	200,338	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	155,608	6	170,655	6	185,677	6	200,648	6		6	6	6	6	6	6	6	6	6	6
1/4	155,921	1/4	170,968	1/4	185,990	1/4	200,959	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,235	1/2	171,281	1/2	186,302	1/2	201,269	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,548	3/4	171,595	3/4	186,615	3/4	201,579	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	156,862	7	171,908	7	186,927	7	201,890	7		7	7	7	7	7	7	7	7	7	7
1/4	157,175	1/4	172,222	1/4	187,240	1/4	202,200	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,489	1/2	172,535	1/2	187,552	1/2	202,511	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,802	3/4	172,849	3/4	187,865	3/4	202,821	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	158,116	8	173,162	8	188,178	8	203,131	8		8	8	8	8	8	8	8	8	8	8
1/4	158,429	1/4	173,476	1/4	188,490	1/4	203,442	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,742	1/2	173,789	1/2	188,803	1/2	203,752	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,056	3/4	174,103	3/4	189,115	3/4	204,062	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	159,369	9	174,416	9	189,428	9	204,373	9		9	9	9	9	9	9	9	9	9	9
1/4	159,683	1/4	174,730	1/4	189,740	1/4	204,683	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,996	1/2	175,043	1/2	190,053	1/2	204,994	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,310	3/4	175,357	3/4	190,366	3/4	205,304	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	160,623	10	175,670	10	190,678	10	205,614	10		10	10	10	10	10	10	10	10	10	10
1/4	160,937	1/4	175,984	1/4	190,991	1/4	205,925	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,250	1/2	176,297	1/2	191,303	1/2	206,235	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,564	3/4	176,611	3/4	191,616	3/4	206,545	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	161,877	11	176,924	11	191,928	11	206,855	11		11	11	11	11	11	11	11	11	11	11
1/4	162,191	1/4	177,237	1/4	192,241	1/4	207,165	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,504	1/2	177,550	1/2	192,553	1/2	207,474	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,818	3/4	177,863	3/4	192,866	3/4	207,784	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: 09/12/2012 CL - SW
CALCULATED: 09/12/2012 CL
PRINTED: 09/12/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2012

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



BARGE "GBL 2830"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	631	0	15,260	0	30,343	0	45,411	0	60,487	0	75,570	0	90,654	0	105,737	0	120,816	0	135,892
1/4	853	1/4	15,574	1/4	30,657	1/4	45,725	1/4	60,801	1/4	75,885	1/4	90,968	1/4	106,051	1/4	121,130	1/4	136,206
1/2	1,076	1/2	15,889	1/2	30,971	1/2	46,038	1/2	61,115	1/2	76,199	1/2	91,282	1/2	106,365	1/2	121,444	1/2	136,520
3/4	1,298	3/4	16,203	3/4	31,286	3/4	46,352	3/4	61,430	3/4	76,514	3/4	91,596	3/4	106,680	3/4	121,758	3/4	136,834
1	1,521	1	16,517	1	31,600	1	46,666	1	61,744	1	76,827	1	91,911	1	106,994	1	122,072	1	137,148
1/4	1,815	1/4	16,831	1/4	31,914	1/4	46,979	1/4	62,058	1/4	77,141	1/4	92,225	1/4	107,308	1/4	122,386	1/4	137,462
1/2	2,108	1/2	17,145	1/2	32,228	1/2	47,293	1/2	62,372	1/2	77,456	1/2	92,539	1/2	107,622	1/2	122,700	1/2	137,776
3/4	2,402	3/4	17,460	3/4	32,543	3/4	47,606	3/4	62,687	3/4	77,770	3/4	92,853	3/4	107,937	3/4	123,014	3/4	138,090
2	2,695	2	17,774	2	32,857	2	47,920	2	63,001	2	78,084	2	93,168	2	108,251	2	123,328	2	138,404
1/4	3,009	1/4	18,088	1/4	33,171	1/4	48,234	1/4	63,315	1/4	78,398	1/4	93,482	1/4	108,565	1/4	123,642	1/4	138,718
1/2	3,322	1/2	18,402	1/2	33,485	1/2	48,548	1/2	63,629	1/2	78,713	1/2	93,796	1/2	108,879	1/2	123,956	1/2	139,032
3/4	3,635	3/4	18,717	3/4	33,799	3/4	48,861	3/4	63,944	3/4	79,027	3/4	94,110	3/4	109,194	3/4	124,271	3/4	139,347
3	3,949	3	19,031	3	34,114	3	49,175	3	64,258	3	79,341	3	94,424	3	109,508	3	124,585	3	139,661
1/4	4,263	1/4	19,345	1/4	34,428	1/4	49,489	1/4	64,572	1/4	79,655	1/4	94,739	1/4	109,822	1/4	124,899	1/4	139,975
1/2	4,577	1/2	19,659	1/2	34,742	1/2	49,803	1/2	64,886	1/2	79,970	1/2	95,053	1/2	110,136	1/2	125,213	1/2	140,289
3/4	4,891	3/4	19,973	3/4	35,056	3/4	50,117	3/4	65,200	3/4	80,284	3/4	95,367	3/4	110,451	3/4	125,527	3/4	140,603
4	5,205	4	20,288	4	35,371	4	50,431	4	65,515	4	80,598	4	95,681	4	110,765	4	125,841	4	140,917
1/4	5,519	1/4	20,602	1/4	35,685	1/4	50,746	1/4	65,829	1/4	80,912	1/4	95,996	1/4	111,079	1/4	126,155	1/4	141,231
1/2	5,833	1/2	20,916	1/2	35,999	1/2	51,060	1/2	66,143	1/2	81,227	1/2	96,310	1/2	111,393	1/2	126,469	1/2	141,545
3/4	6,148	3/4	21,230	3/4	36,313	3/4	51,374	3/4	66,457	3/4	81,541	3/4	96,624	3/4	111,707	3/4	126,783	3/4	141,859
5	6,462	5	21,545	5	36,628	5	51,688	5	66,772	5	81,855	5	96,938	5	112,021	5	127,097	5	142,173
1/4	6,776	1/4	21,859	1/4	36,941	1/4	52,003	1/4	67,086	1/4	82,169	1/4	97,253	1/4	112,335	1/4	127,411	1/4	142,487
1/2	7,090	1/2	22,173	1/2	37,255	1/2	52,317	1/2	67,400	1/2	82,483	1/2	97,567	1/2	112,649	1/2	127,725	1/2	142,801
3/4	7,404	3/4	22,487	3/4	37,569	3/4	52,631	3/4	67,714	3/4	82,798	3/4	97,881	3/4	112,964	3/4	128,040	3/4	143,116
6	7,719	6	22,802	6	37,883	6	52,945	6	68,029	6	83,112	6	98,195	6	113,278	6	128,354	6	143,430
1/4	8,033	1/4	23,116	1/4	38,197	1/4	53,259	1/4	68,343	1/4	83,426	1/4	98,510	1/4	113,592	1/4	128,668	1/4	143,744
1/2	8,347	1/2	23,430	1/2	38,511	1/2	53,574	1/2	68,657	1/2	83,740	1/2	98,824	1/2	113,906	1/2	128,982	1/2	144,058
3/4	8,661	3/4	23,744	3/4	38,824	3/4	53,888	3/4	68,971	3/4	84,055	3/4	99,138	3/4	114,220	3/4	129,296	3/4	144,372
7	8,976	7	24,058	7	39,138	7	54,202	7	69,286	7	84,369	7	99,452	7	114,534	7	129,610	7	144,686
1/4	9,290	1/4	24,373	1/4	39,452	1/4	54,516	1/4	69,600	1/4	84,683	1/4	99,766	1/4	114,848	1/4	129,924	1/4	145,000
1/2	9,604	1/2	24,687	1/2	39,765	1/2	54,831	1/2	69,914	1/2	84,997	1/2	100,081	1/2	115,162	1/2	130,238	1/2	145,314
3/4	9,918	3/4	25,001	3/4	40,079	3/4	55,145	3/4	70,228	3/4	85,312	3/4	100,395	3/4	115,476	3/4	130,552	3/4	145,628
8	10,232	8	25,315	8	40,393	8	55,459	8	70,542	8	85,626	8	100,709	8	115,790	8	130,866	8	145,942
1/4	10,547	1/4	25,630	1/4	40,706	1/4	55,773	1/4	70,857	1/4	85,940	1/4	101,023	1/4	116,104	1/4	131,180	1/4	146,256
1/2	10,861	1/2	25,944	1/2	41,020	1/2	56,088	1/2	71,171	1/2	86,254	1/2	101,338	1/2	116,418	1/2	131,494	1/2	146,570
3/4	11,175	3/4	26,258	3/4	41,334	3/4	56,402	3/4	71,485	3/4	86,569	3/4	101,652	3/4	116,733	3/4	131,809	3/4	146,885
9	11,489	9	26,572	9	41,647	9	56,716	9	71,799	9	86,883	9	101,966	9	117,047	9	132,123	9	147,199
1/4	11,804	1/4	26,886	1/4	41,961	1/4	57,030	1/4	72,114	1/4	87,197	1/4	102,280	1/4	117,361	1/4	132,437	1/4	147,513
1/2	12,118	1/2	27,201	1/2	42,275	1/2	57,345	1/2	72,428	1/2	87,511	1/2	102,595	1/2	117,675	1/2	132,751	1/2	147,827
3/4	12,432	3/4	27,515	3/4	42,588	3/4	57,659	3/4	72,742	3/4	87,825	3/4	102,909	3/4	117,989	3/4	133,065	3/4	148,141
10	12,746	10	27,829	10	42,902	10	57,973	10	73,056	10	88,140	10	103,223	10	118,303	10	133,379	10	148,455
1/4	13,060	1/4	28,143	1/4	43,215	1/4	58,287	1/4	73,371	1/4	88,454	1/4	103,537	1/4	118,617	1/4	133,693	1/4	148,769
1/2	13,375	1/2	28,458	1/2	43,529	1/2	58,601	1/2	73,685	1/2	88,768	1/2	103,852	1/2	118,931	1/2	134,007	1/2	149,083
3/4	13,689	3/4	28,772	3/4	43,843	3/4	58,916	3/4	73,999	3/4	89,082	3/4	104,166	3/4	119,245	3/4	134,321	3/4	149,397
11	14,003	11	29,086	11	44,156	11	59,230	11	74,313	11	89,397	11	104,480	11	119,559	11	134,635	11	149,711
1/4	14,317	1/4	29,400	1/4	44,470	1/4	59,544	1/4	74,628	1/4	89,711	1/4	104,794	1/4	119,873	1/4	134,949	1/4	150,025
1/2	14,632	1/2	29,715	1/2	44,784	1/2	59,858	1/2	74,942	1/2	90,025	1/2	105,108	1/2	120,187	1/2	135,263	1/2	150,339
3/4	14,946	3/4	30,029	3/4	45,097	3/4	60,173	3/4	75,256	3/4	90,339	3/4	105,423	3/4	120,502	3/4	135,578	3/4	150,654

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 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "GBL 2830"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	150,968	0	166,044	0	181,117	0	196,150	0	211,093	0		0		0		0		0	
1/4	151,282	1/4	166,358	1/4	181,431	1/4	196,463	1/4	211,390	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,596	1/2	166,672	1/2	181,744	1/2	196,776	1/2	211,686	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,910	3/4	166,986	3/4	182,057	3/4	197,089	3/4	211,983	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	152,224	1	167,300	1	182,370	1	197,402	1	212,279	1	1	1	1	1	1	1	1	1	1
1/4	152,538	1/4	167,614	1/4	182,683	1/4	197,715	1/4	212,540	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,852	1/2	167,928	1/2	182,996	1/2	198,029	1/2	212,801	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,166	3/4	168,242	3/4	183,310	3/4	198,342	3/4	213,061	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	153,480	2	168,556	2	183,623	2	198,655	2	213,322	2	2	2	2	2	2	2	2	2	2
1/4	153,794	1/4	168,870	1/4	183,936	1/4	198,967	1/4	213,538	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,108	1/2	169,185	1/2	184,249	1/2	199,279	1/2	213,753	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,423	3/4	169,499	3/4	184,562	3/4	199,590	3/4	213,969	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	154,737	3	169,813	3	184,875	3	199,902	3	214,185	3	3	3	3	3	3	3	3	3	3
1/4	155,051	1/4	170,127	1/4	185,189	1/4	200,213	1/4	214,356	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,365	1/2	170,441	1/2	185,502	1/2	200,524	1/2	214,526	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,679	3/4	170,755	3/4	185,815	3/4	200,835	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	155,993	4	171,069	4	186,128	4	201,146	4		4	4	4	4	4	4	4	4	4	4
1/4	156,307	1/4	171,383	1/4	186,441	1/4	201,457	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,621	1/2	171,697	1/2	186,754	1/2	201,768	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,935	3/4	172,011	3/4	187,068	3/4	202,079	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	157,249	5	172,325	5	187,381	5	202,390	5		5	5	5	5	5	5	5	5	5	5
1/4	157,563	1/4	172,639	1/4	187,694	1/4	202,701	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,878	1/2	172,954	1/2	188,007	1/2	203,012	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,192	3/4	173,268	3/4	188,320	3/4	203,323	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	158,506	6	173,582	6	188,634	6	203,634	6		6	6	6	6	6	6	6	6	6	6
1/4	158,820	1/4	173,896	1/4	188,947	1/4	203,945	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,134	1/2	174,210	1/2	189,260	1/2	204,256	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,448	3/4	174,524	3/4	189,573	3/4	204,567	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	159,762	7	174,838	7	189,886	7	204,878	7		7	7	7	7	7	7	7	7	7	7
1/4	160,076	1/4	175,152	1/4	190,199	1/4	205,189	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,390	1/2	175,466	1/2	190,513	1/2	205,500	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,704	3/4	175,780	3/4	190,826	3/4	205,811	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	161,018	8	176,094	8	191,139	8	206,122	8		8	8	8	8	8	8	8	8	8	8
1/4	161,332	1/4	176,408	1/4	191,452	1/4	206,433	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,647	1/2	176,723	1/2	191,765	1/2	206,744	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,961	3/4	177,037	3/4	192,078	3/4	207,055	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	162,275	9	177,351	9	192,392	9	207,366	9		9	9	9	9	9	9	9	9	9	9
1/4	162,589	1/4	177,665	1/4	192,705	1/4	207,677	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,903	1/2	177,979	1/2	193,018	1/2	207,988	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,217	3/4	178,293	3/4	193,331	3/4	208,299	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	163,531	10	178,607	10	193,644	10	208,610	10		10	10	10	10	10	10	10	10	10	10
1/4	163,845	1/4	178,921	1/4	193,957	1/4	208,921	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,159	1/2	179,235	1/2	194,271	1/2	209,232	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,473	3/4	179,549	3/4	194,584	3/4	209,542	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	164,787	11	179,863	11	194,897	11	209,853	11		11	11	11	11	11	11	11	11	11	11
1/4	165,101	1/4	180,177	1/4	195,210	1/4	210,163	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,416	1/2	180,490	1/2	195,523	1/2	210,473	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,730	3/4	180,804	3/4	195,836	3/4	210,783	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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ALL PRIOR TO 09/2012

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BARGE "GBL 2830"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	631	0	15,258	0	30,339	0	45,405	0	60,279	0	75,081	0	90,072	0	105,154	0	120,230	0	135,305
1/4	853	1/4	15,572	1/4	30,653	1/4	45,719	1/4	60,587	1/4	75,389	1/4	90,386	1/4	105,468	1/4	120,544	1/4	135,619
1/2	1,076	1/2	15,887	1/2	30,968	1/2	46,033	1/2	60,895	1/2	75,697	1/2	90,700	1/2	105,782	1/2	120,858	1/2	135,933
3/4	1,298	3/4	16,201	3/4	31,282	3/4	46,346	3/4	61,204	3/4	76,006	3/4	91,015	3/4	106,096	3/4	121,173	3/4	136,247
1	1,521	1	16,515	1	31,596	1	46,660	1	61,512	1	76,314	1	91,329	1	106,410	1	121,487	1	136,561
1/4	1,814	1/4	16,829	1/4	31,910	1/4	46,973	1/4	61,821	1/4	76,623	1/4	91,643	1/4	106,725	1/4	121,801	1/4	136,875
1/2	2,108	1/2	17,143	1/2	32,224	1/2	47,287	1/2	62,129	1/2	76,931	1/2	91,957	1/2	107,039	1/2	122,115	1/2	137,189
3/4	2,401	3/4	17,458	3/4	32,539	3/4	47,601	3/4	62,437	3/4	77,239	3/4	92,271	3/4	107,353	3/4	122,429	3/4	137,503
2	2,695	2	17,772	2	32,853	2	47,914	2	62,746	2	77,548	2	92,586	2	107,667	2	122,743	2	137,817
1/4	3,008	1/4	18,086	1/4	33,167	1/4	48,228	1/4	63,054	1/4	77,856	1/4	92,900	1/4	107,981	1/4	123,057	1/4	138,131
1/2	3,322	1/2	18,400	1/2	33,481	1/2	48,542	1/2	63,362	1/2	78,164	1/2	93,214	1/2	108,295	1/2	123,371	1/2	138,445
3/4	3,635	3/4	18,714	3/4	33,795	3/4	48,855	3/4	63,671	3/4	78,473	3/4	93,528	3/4	108,610	3/4	123,685	3/4	138,759
3	3,948	3	19,028	3	34,110	3	49,169	3	63,979	3	78,781	3	93,842	3	108,924	3	123,999	3	139,073
1/4	4,262	1/4	19,343	1/4	34,424	1/4	49,479	1/4	64,288	1/4	79,091	1/4	94,157	1/4	109,238	1/4	124,313	1/4	139,387
1/2	4,576	1/2	19,657	1/2	34,738	1/2	49,790	1/2	64,596	1/2	79,402	1/2	94,471	1/2	109,552	1/2	124,627	1/2	139,701
3/4	4,890	3/4	19,971	3/4	35,052	3/4	50,100	3/4	64,904	3/4	79,712	3/4	94,785	3/4	109,866	3/4	124,941	3/4	140,015
4	5,204	4	20,285	4	35,366	4	50,411	4	65,213	4	80,022	4	95,099	4	110,181	4	125,255	4	140,329
1/4	5,518	1/4	20,599	1/4	35,681	1/4	50,719	1/4	65,521	1/4	80,335	1/4	95,413	1/4	110,495	1/4	125,569	1/4	140,643
1/2	5,833	1/2	20,914	1/2	35,995	1/2	51,027	1/2	65,829	1/2	80,648	1/2	95,728	1/2	110,809	1/2	125,883	1/2	140,957
3/4	6,147	3/4	21,228	3/4	36,309	3/4	51,336	3/4	66,138	3/4	80,961	3/4	96,042	3/4	111,123	3/4	126,197	3/4	141,271
5	6,461	5	21,542	5	36,623	5	51,644	5	66,446	5	81,274	5	96,356	5	111,437	5	126,511	5	141,585
1/4	6,775	1/4	21,856	1/4	36,937	1/4	51,953	1/4	66,755	1/4	81,589	1/4	96,670	1/4	111,751	1/4	126,825	1/4	141,900
1/2	7,089	1/2	22,170	1/2	37,251	1/2	52,261	1/2	67,063	1/2	81,903	1/2	96,984	1/2	112,065	1/2	127,139	1/2	142,214
3/4	7,403	3/4	22,485	3/4	37,565	3/4	52,569	3/4	67,371	3/4	82,217	3/4	97,299	3/4	112,379	3/4	127,453	3/4	142,528
6	7,718	6	22,799	6	37,879	6	52,878	6	67,680	6	82,531	6	97,613	6	112,693	6	127,767	6	142,842
1/4	8,032	1/4	23,113	1/4	38,192	1/4	53,186	1/4	67,988	1/4	82,845	1/4	97,927	1/4	113,007	1/4	128,082	1/4	143,156
1/2	8,346	1/2	23,427	1/2	38,506	1/2	53,494	1/2	68,296	1/2	83,160	1/2	98,241	1/2	113,321	1/2	128,396	1/2	143,470
3/4	8,660	3/4	23,741	3/4	38,820	3/4	53,803	3/4	68,605	3/4	83,474	3/4	98,555	3/4	113,635	3/4	128,710	3/4	143,784
7	8,974	7	24,056	7	39,133	7	54,111	7	68,913	7	83,788	7	98,870	7	113,949	7	129,024	7	144,098
1/4	9,289	1/4	24,370	1/4	39,447	1/4	54,420	1/4	69,222	1/4	84,102	1/4	99,184	1/4	114,264	1/4	129,338	1/4	144,412
1/2	9,603	1/2	24,684	1/2	39,761	1/2	54,728	1/2	69,530	1/2	84,416	1/2	99,498	1/2	114,578	1/2	129,652	1/2	144,726
3/4	9,917	3/4	24,998	3/4	40,074	3/4	55,036	3/4	69,838	3/4	84,731	3/4	99,812	3/4	114,892	3/4	129,966	3/4	145,040
8	10,231	8	25,312	8	40,388	8	55,345	8	70,147	8	85,045	8	100,126	8	115,206	8	130,280	8	145,354
1/4	10,545	1/4	25,626	1/4	40,701	1/4	55,653	1/4	70,455	1/4	85,359	1/4	100,441	1/4	115,520	1/4	130,594	1/4	145,668
1/2	10,860	1/2	25,941	1/2	41,015	1/2	55,961	1/2	70,763	1/2	85,673	1/2	100,755	1/2	115,834	1/2	130,908	1/2	145,982
3/4	11,174	3/4	26,255	3/4	41,329	3/4	56,270	3/4	71,072	3/4	85,987	3/4	101,069	3/4	116,148	3/4	131,222	3/4	146,296
9	11,488	9	26,569	9	41,642	9	56,578	9	71,380	9	86,302	9	101,383	9	116,462	9	131,536	9	146,610
1/4	11,802	1/4	26,883	1/4	41,956	1/4	56,887	1/4	71,689	1/4	86,616	1/4	101,697	1/4	116,776	1/4	131,850	1/4	146,924
1/2	12,116	1/2	27,197	1/2	42,269	1/2	57,195	1/2	71,997	1/2	86,930	1/2	102,012	1/2	117,090	1/2	132,164	1/2	147,238
3/4	12,431	3/4	27,512	3/4	42,583	3/4	57,503	3/4	72,305	3/4	87,244	3/4	102,326	3/4	117,404	3/4	132,478	3/4	147,552
10	12,745	10	27,826	10	42,897	10	57,812	10	72,614	10	87,558	10	102,640	10	117,718	10	132,792	10	147,866
1/4	13,059	1/4	28,140	1/4	43,210	1/4	58,120	1/4	72,922	1/4	87,873	1/4	102,954	1/4	118,032	1/4	133,106	1/4	148,180
1/2	13,373	1/2	28,454	1/2	43,524	1/2	58,428	1/2	73,230	1/2	88,187	1/2	103,268	1/2	118,346	1/2	133,420	1/2	148,494
3/4	13,687	3/4	28,768	3/4	43,837	3/4	58,737	3/4	73,539	3/4	88,501	3/4	103,583	3/4	118,660	3/4	133,734	3/4	148,809
11	14,001	11	29,083	11	44,151	11	59,045	11	73,847	11	88,815	11	103,897	11	118,974	11	134,048	11	149,123
1/4	14,316	1/4	29,397	1/4	44,465	1/4	59,354	1/4	74,156	1/4	89,129	1/4	104,211	1/4	119,288	1/4	134,362	1/4	149,437
1/2	14,630	1/2	29,711	1/2	44,778	1/2	59,662	1/2	74,464	1/2	89,444	1/2	104,525	1/2	119,602	1/2	134,676	1/2	149,751
3/4	14,944	3/4	30,025	3/4	45,092	3/4	59,970	3/4	74,772	3/4	89,758	3/4	104,839	3/4	119,916	3/4	134,991	3/4	150,065

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 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

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





BARGE "GBL 2830"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	150,379	0	165,453	0	180,525	0	195,555	0	210,497	0		0		0		0		0	
1/4	150,693	1/4	165,767	1/4	180,838	1/4	195,868	1/4	210,794	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,007	1/2	166,081	1/2	181,151	1/2	196,182	1/2	211,090	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,321	3/4	166,395	3/4	181,464	3/4	196,495	3/4	211,387	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	151,635	1	166,709	1	181,777	1	196,808	1	211,683	1		1		1		1		1	
1/4	151,949	1/4	167,023	1/4	182,091	1/4	197,121	1/4	211,944	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,263	1/2	167,337	1/2	182,404	1/2	197,434	1/2	212,204	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,577	3/4	167,651	3/4	182,717	3/4	197,747	3/4	212,465	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	152,891	2	167,965	2	183,030	2	198,060	2	212,725	2		2		2		2		2	
1/4	153,205	1/4	168,279	1/4	183,343	1/4	198,372	1/4	212,941	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,519	1/2	168,593	1/2	183,656	1/2	198,684	1/2	213,157	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,833	3/4	168,907	3/4	183,969	3/4	198,996	3/4	213,373	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	154,147	3	169,222	3	184,282	3	199,307	3	213,588	3		3		3		3		3	
1/4	154,461	1/4	169,536	1/4	184,596	1/4	199,618	1/4	213,759	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,775	1/2	169,850	1/2	184,909	1/2	199,929	1/2	213,930	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,089	3/4	170,164	3/4	185,222	3/4	200,240	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	155,403	4	170,478	4	185,535	4	200,551	4		4		4		4		4		4	
1/4	155,718	1/4	170,792	1/4	185,848	1/4	200,862	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,032	1/2	171,106	1/2	186,161	1/2	201,173	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,346	3/4	171,420	3/4	186,474	3/4	201,484	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	156,660	5	171,734	5	186,788	5	201,795	5		5		5		5		5		5	
1/4	156,974	1/4	172,048	1/4	187,101	1/4	202,106	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,288	1/2	172,362	1/2	187,414	1/2	202,417	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,602	3/4	172,676	3/4	187,727	3/4	202,728	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	157,916	6	172,990	6	188,040	6	203,039	6		6		6		6		6		6	
1/4	158,230	1/4	173,304	1/4	188,353	1/4	203,350	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,544	1/2	173,618	1/2	188,666	1/2	203,661	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,858	3/4	173,932	3/4	188,979	3/4	203,972	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	159,172	7	174,246	7	189,293	7	204,282	7		7		7		7		7		7	
1/4	159,486	1/4	174,560	1/4	189,606	1/4	204,593	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,800	1/2	174,874	1/2	189,919	1/2	204,904	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,114	3/4	175,188	3/4	190,232	3/4	205,215	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	160,428	8	175,502	8	190,545	8	205,526	8		8		8		8		8		8	
1/4	160,742	1/4	175,816	1/4	190,858	1/4	205,837	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,056	1/2	176,131	1/2	191,171	1/2	206,148	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,370	3/4	176,445	3/4	191,485	3/4	206,459	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	161,684	9	176,759	9	191,798	9	206,770	9		9		9		9		9		9	
1/4	161,998	1/4	177,073	1/4	192,111	1/4	207,081	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,313	1/2	177,387	1/2	192,424	1/2	207,392	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,627	3/4	177,701	3/4	192,737	3/4	207,703	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	162,941	10	178,015	10	193,050	10	208,014	10		10		10		10		10		10	
1/4	163,255	1/4	178,329	1/4	193,363	1/4	208,325	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,569	1/2	178,643	1/2	193,676	1/2	208,636	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,883	3/4	178,957	3/4	193,990	3/4	208,946	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	164,197	11	179,271	11	194,303	11	209,257	11		11		11		11		11		11	
1/4	164,511	1/4	179,584	1/4	194,616	1/4	209,567	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,825	1/2	179,898	1/2	194,929	1/2	209,877	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,139	3/4	180,211	3/4	195,242	3/4	210,187	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: 09/12/2012 CL - SW
CALCULATED: 09/12/2012 CL
PRINTED: 09/12/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2012

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



BARGE "GBL 2830"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	628	0	15,202	0	30,228	0	45,239	0	60,257	0	75,283	0	90,310	0	105,336	0	120,348	0	135,355
1/4	850	1/4	15,515	1/4	30,541	1/4	45,551	1/4	60,570	1/4	75,597	1/4	90,623	1/4	105,649	1/4	120,661	1/4	135,667
1/2	1,072	1/2	15,828	1/2	30,854	1/2	45,864	1/2	60,883	1/2	75,910	1/2	90,936	1/2	105,962	1/2	120,973	1/2	135,980
3/4	1,294	3/4	16,141	3/4	31,167	3/4	46,176	3/4	61,197	3/4	76,223	3/4	91,249	3/4	106,275	3/4	121,286	3/4	136,293
1	1,515	1	16,454	1	31,480	1	46,488	1	61,510	1	76,536	1	91,562	1	106,588	1	121,599	1	136,605
1/4	1,808	1/4	16,767	1/4	31,793	1/4	46,801	1/4	61,823	1/4	76,849	1/4	91,875	1/4	106,901	1/4	121,911	1/4	136,918
1/2	2,100	1/2	17,080	1/2	32,106	1/2	47,113	1/2	62,136	1/2	77,162	1/2	92,188	1/2	107,214	1/2	122,224	1/2	137,231
3/4	2,393	3/4	17,393	3/4	32,419	3/4	47,426	3/4	62,449	3/4	77,475	3/4	92,501	3/4	107,527	3/4	122,537	3/4	137,543
2	2,685	2	17,707	2	32,732	2	47,738	2	62,762	2	77,788	2	92,814	2	107,840	2	122,849	2	137,856
1/4	2,997	1/4	18,020	1/4	33,045	1/4	48,051	1/4	63,075	1/4	78,101	1/4	93,127	1/4	108,153	1/4	123,162	1/4	138,169
1/2	3,310	1/2	18,333	1/2	33,358	1/2	48,363	1/2	63,388	1/2	78,414	1/2	93,440	1/2	108,466	1/2	123,475	1/2	138,481
3/4	3,622	3/4	18,646	3/4	33,671	3/4	48,676	3/4	63,701	3/4	78,727	3/4	93,753	3/4	108,779	3/4	123,787	3/4	138,794
3	3,934	3	18,959	3	33,984	3	48,988	3	64,014	3	79,040	3	94,066	3	109,092	3	124,100	3	139,106
1/4	4,247	1/4	19,272	1/4	34,297	1/4	49,301	1/4	64,327	1/4	79,353	1/4	94,379	1/4	109,405	1/4	124,413	1/4	139,419
1/2	4,560	1/2	19,585	1/2	34,610	1/2	49,614	1/2	64,640	1/2	79,666	1/2	94,692	1/2	109,718	1/2	124,725	1/2	139,732
3/4	4,872	3/4	19,898	3/4	34,923	3/4	49,927	3/4	64,953	3/4	79,979	3/4	95,005	3/4	110,031	3/4	125,038	3/4	140,044
4	5,185	4	20,211	4	35,236	4	50,240	4	65,266	4	80,292	4	95,318	4	110,344	4	125,350	4	140,357
1/4	5,498	1/4	20,524	1/4	35,550	1/4	50,553	1/4	65,579	1/4	80,605	1/4	95,631	1/4	110,656	1/4	125,663	1/4	140,670
1/2	5,811	1/2	20,837	1/2	35,863	1/2	50,866	1/2	65,892	1/2	80,918	1/2	95,944	1/2	110,969	1/2	125,976	1/2	140,982
3/4	6,124	3/4	21,150	3/4	36,176	3/4	51,179	3/4	66,205	3/4	81,231	3/4	96,257	3/4	111,282	3/4	126,288	3/4	141,295
5	6,437	5	21,463	5	36,489	5	51,492	5	66,518	5	81,544	5	96,570	5	111,594	5	126,601	5	141,608
1/4	6,750	1/4	21,776	1/4	36,801	1/4	51,805	1/4	66,831	1/4	81,857	1/4	96,884	1/4	111,907	1/4	126,914	1/4	141,920
1/2	7,063	1/2	22,089	1/2	37,114	1/2	52,118	1/2	67,144	1/2	82,170	1/2	97,197	1/2	112,220	1/2	127,226	1/2	142,233
3/4	7,376	3/4	22,402	3/4	37,427	3/4	52,431	3/4	67,457	3/4	82,484	3/4	97,510	3/4	112,532	3/4	127,539	3/4	142,546
6	7,689	6	22,715	6	37,740	6	52,744	6	67,770	6	82,797	6	97,823	6	112,845	6	127,852	6	142,858
1/4	8,002	1/4	23,028	1/4	38,052	1/4	53,057	1/4	68,083	1/4	83,110	1/4	98,136	1/4	113,158	1/4	128,164	1/4	143,166
1/2	8,315	1/2	23,341	1/2	38,365	1/2	53,370	1/2	68,397	1/2	83,423	1/2	98,449	1/2	113,470	1/2	128,477	1/2	143,475
3/4	8,629	3/4	23,654	3/4	38,677	3/4	53,683	3/4	68,710	3/4	83,736	3/4	98,762	3/4	113,783	3/4	128,789	3/4	143,783
7	8,942	7	23,967	7	38,990	7	53,997	7	69,023	7	84,049	7	99,075	7	114,095	7	129,102	7	144,091
1/4	9,255	1/4	24,280	1/4	39,302	1/4	54,310	1/4	69,336	1/4	84,362	1/4	99,388	1/4	114,408	1/4	129,415	1/4	144,387
1/2	9,568	1/2	24,593	1/2	39,615	1/2	54,623	1/2	69,649	1/2	84,675	1/2	99,701	1/2	114,721	1/2	129,727	1/2	144,683
3/4	9,881	3/4	24,906	3/4	39,927	3/4	54,936	3/4	69,962	3/4	84,988	3/4	100,014	3/4	115,033	3/4	130,040	3/4	144,979
8	10,194	8	25,219	8	40,239	8	55,249	8	70,275	8	85,301	8	100,327	8	115,346	8	130,353	8	145,275
1/4	10,507	1/4	25,532	1/4	40,552	1/4	55,562	1/4	70,588	1/4	85,614	1/4	100,640	1/4	115,659	1/4	130,665	1/4	145,556
1/2	10,820	1/2	25,845	1/2	40,864	1/2	55,875	1/2	70,901	1/2	85,927	1/2	100,953	1/2	115,971	1/2	130,978	1/2	145,838
3/4	11,133	3/4	26,158	3/4	41,177	3/4	56,188	3/4	71,214	3/4	86,240	3/4	101,266	3/4	116,284	3/4	131,291	3/4	146,119
9	11,446	9	26,472	9	41,489	9	56,501	9	71,527	9	86,553	9	101,579	9	116,597	9	131,603	9	146,400
1/4	11,759	1/4	26,785	1/4	41,802	1/4	56,814	1/4	71,840	1/4	86,866	1/4	101,892	1/4	116,909	1/4	131,916	1/4	146,668
1/2	12,072	1/2	27,098	1/2	42,114	1/2	57,127	1/2	72,153	1/2	87,179	1/2	102,205	1/2	117,222	1/2	132,228	1/2	146,935
3/4	12,385	3/4	27,411	3/4	42,427	3/4	57,440	3/4	72,466	3/4	87,492	3/4	102,518	3/4	117,534	3/4	132,541	3/4	147,203
10	12,698	10	27,724	10	42,739	10	57,753	10	72,779	10	87,805	10	102,831	10	117,847	10	132,854	10	147,471
1/4	13,011	1/4	28,037	1/4	43,052	1/4	58,066	1/4	73,092	1/4	88,118	1/4	103,144	1/4	118,160	1/4	133,166	1/4	147,724
1/2	13,324	1/2	28,350	1/2	43,364	1/2	58,379	1/2	73,405	1/2	88,431	1/2	103,457	1/2	118,472	1/2	133,479	1/2	147,978
3/4	13,637	3/4	28,663	3/4	43,676	3/4	58,692	3/4	73,718	3/4	88,744	3/4	103,770	3/4	118,785	3/4	133,792	3/4	148,232
11	13,950	11	28,976	11	43,989	11	59,005	11	74,031	11	89,057	11	104,084	11	119,098	11	134,104	11	148,486
1/4	14,263	1/4	29,289	1/4	44,301	1/4	59,318	1/4	74,344	1/4	89,370	1/4	104,397	1/4	119,410	1/4	134,417	1/4	148,726
1/2	14,576	1/2	29,602	1/2	44,614	1/2	59,631	1/2	74,657	1/2	89,684	1/2	104,710	1/2	119,723	1/2	134,730	1/2	148,967
3/4	14,889	3/4	29,915	3/4	44,926	3/4	59,944	3/4	74,970	3/4	89,997	3/4	105,023	3/4	120,036	3/4	135,042	3/4	149,207

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 12'-09" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "GBL 2830"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	149,447	0	159,873	0	170,249	0	180,597	0	190,885	0		0		0		0		0	
1/4	149,673	1/4	160,089	1/4	170,464	1/4	180,813	1/4	191,089	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	149,900	1/2	160,305	1/2	170,680	1/2	181,028	1/2	191,293	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	150,126	3/4	160,521	3/4	170,896	3/4	181,244	3/4	191,497	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	150,353	1	160,738	1	171,111	1	181,460	1	191,701	1	1	1	1	1	1	1	1	1	1
1/4	150,571	1/4	160,954	1/4	171,327	1/4	181,675	1/4	191,881	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	150,789	1/2	161,170	1/2	171,542	1/2	181,891	1/2	192,060	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,007	3/4	161,386	3/4	171,758	3/4	182,106	3/4	192,239	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	151,225	2	161,602	2	171,974	2	182,322	2	192,419	2	2	2	2	2	2	2	2	2	2
1/4	151,441	1/4	161,819	1/4	172,189	1/4	182,537	1/4	192,567	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,657	1/2	162,035	1/2	172,405	1/2	182,751	1/2	192,716	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,873	3/4	162,251	3/4	172,620	3/4	182,966	3/4	192,864	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	152,090	3	162,467	3	172,836	3	183,181	3	193,013	3	3	3	3	3	3	3	3	3	3
1/4	152,306	1/4	162,683	1/4	173,052	1/4	183,395	1/4	193,130	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,522	1/2	162,900	1/2	173,267	1/2	183,609	1/2	193,248	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,738	3/4	163,116	3/4	173,483	3/4	183,823	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	152,954	4	163,332	4	173,698	4	184,037	4		4	4	4	4	4	4	4	4	4	4
1/4	153,171	1/4	163,548	1/4	173,914	1/4	184,251	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,387	1/2	163,764	1/2	174,129	1/2	184,465	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,603	3/4	163,981	3/4	174,345	3/4	184,679	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	153,819	5	164,197	5	174,561	5	184,893	5		5	5	5	5	5	5	5	5	5	5
1/4	154,035	1/4	164,413	1/4	174,776	1/4	185,107	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,252	1/2	164,629	1/2	174,992	1/2	185,321	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,468	3/4	164,845	3/4	175,207	3/4	185,535	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	154,684	6	165,062	6	175,423	6	185,749	6		6	6	6	6	6	6	6	6	6	6
1/4	154,900	1/4	165,278	1/4	175,639	1/4	185,964	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,116	1/2	165,494	1/2	175,854	1/2	186,178	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,333	3/4	165,710	3/4	176,070	3/4	186,392	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	155,549	7	165,926	7	176,285	7	186,606	7		7	7	7	7	7	7	7	7	7	7
1/4	155,765	1/4	166,143	1/4	176,501	1/4	186,820	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,981	1/2	166,359	1/2	176,717	1/2	187,034	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,197	3/4	166,575	3/4	176,932	3/4	187,248	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	156,414	8	166,791	8	177,148	8	187,462	8		8	8	8	8	8	8	8	8	8	8
1/4	156,630	1/4	167,007	1/4	177,363	1/4	187,676	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,846	1/2	167,224	1/2	177,579	1/2	187,890	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,062	3/4	167,440	3/4	177,795	3/4	188,104	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	157,278	9	167,656	9	178,010	9	188,318	9		9	9	9	9	9	9	9	9	9	9
1/4	157,495	1/4	167,872	1/4	178,226	1/4	188,533	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,711	1/2	168,088	1/2	178,441	1/2	188,747	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,927	3/4	168,305	3/4	178,657	3/4	188,961	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	158,143	10	168,521	10	178,872	10	189,175	10		10	10	10	10	10	10	10	10	10	10
1/4	158,359	1/4	168,737	1/4	179,088	1/4	189,389	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,576	1/2	168,953	1/2	179,304	1/2	189,603	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,792	3/4	169,169	3/4	179,519	3/4	189,817	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	159,008	11	169,386	11	179,735	11	190,031	11		11	11	11	11	11	11	11	11	11	11
1/4	159,224	1/4	169,601	1/4	179,950	1/4	190,244	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,440	1/2	169,817	1/2	180,166	1/2	190,458	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,657	3/4	170,033	3/4	180,382	3/4	190,671	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: 09/12/2012 CL - SW
CALCULATED: 09/12/2012 CL
PRINTED: 09/12/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2012

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



BARGE "GBL 2830"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	629	0	15,192	0	30,195	0	45,185	0	59,804	0	74,665	0	89,534	0	104,535	0	119,513	0	134,492
1/4	850	1/4	15,505	1/4	30,508	1/4	45,497	1/4	60,106	1/4	74,975	1/4	89,846	1/4	104,848	1/4	119,825	1/4	134,804
1/2	1,072	1/2	15,818	1/2	30,820	1/2	45,809	1/2	60,407	1/2	75,284	1/2	90,159	1/2	105,160	1/2	120,137	1/2	135,116
3/4	1,294	3/4	16,130	3/4	31,133	3/4	46,121	3/4	60,709	3/4	75,594	3/4	90,471	3/4	105,473	3/4	120,449	3/4	135,428
1	1,516	1	16,443	1	31,446	1	46,433	1	61,010	1	75,903	1	90,784	1	105,785	1	120,761	1	135,740
1/4	1,808	1/4	16,755	1/4	31,758	1/4	46,745	1/4	61,313	1/4	76,213	1/4	91,096	1/4	106,098	1/4	121,073	1/4	136,052
1/2	2,101	1/2	17,068	1/2	32,071	1/2	47,057	1/2	61,615	1/2	76,523	1/2	91,409	1/2	106,410	1/2	121,385	1/2	136,364
3/4	2,393	3/4	17,381	3/4	32,383	3/4	47,369	3/4	61,918	3/4	76,832	3/4	91,721	3/4	106,723	3/4	121,697	3/4	136,676
2	2,686	2	17,693	2	32,696	2	47,681	2	62,220	2	77,142	2	92,034	2	107,035	2	122,010	2	136,989
1/4	2,998	1/4	18,006	1/4	33,009	1/4	47,993	1/4	62,525	1/4	77,452	1/4	92,346	1/4	107,348	1/4	122,322	1/4	137,301
1/2	3,310	1/2	18,318	1/2	33,321	1/2	48,305	1/2	62,829	1/2	77,761	1/2	92,659	1/2	107,660	1/2	122,634	1/2	137,613
3/4	3,622	3/4	18,631	3/4	33,634	3/4	48,617	3/4	63,134	3/4	78,071	3/4	92,972	3/4	107,973	3/4	122,946	3/4	137,925
3	3,935	3	18,943	3	33,946	3	48,929	3	63,438	3	78,380	3	93,284	3	108,286	3	123,258	3	138,237
1/4	4,247	1/4	19,256	1/4	34,259	1/4	49,236	1/4	63,748	1/4	78,690	1/4	93,597	1/4	108,598	1/4	123,570	1/4	138,549
1/2	4,560	1/2	19,568	1/2	34,572	1/2	49,543	1/2	64,058	1/2	79,000	1/2	93,909	1/2	108,910	1/2	123,882	1/2	138,861
3/4	4,873	3/4	19,881	3/4	34,884	3/4	49,849	3/4	64,367	3/4	79,309	3/4	94,222	3/4	109,223	3/4	124,194	3/4	139,173
4	5,186	4	20,193	4	35,197	4	50,156	4	64,677	4	79,619	4	94,534	4	109,535	4	124,506	4	139,485
1/4	5,499	1/4	20,505	1/4	35,509	1/4	50,458	1/4	64,990	1/4	79,928	1/4	94,847	1/4	109,847	1/4	124,818	1/4	139,797
1/2	5,812	1/2	20,818	1/2	35,822	1/2	50,760	1/2	65,302	1/2	80,238	1/2	95,159	1/2	110,159	1/2	125,130	1/2	140,109
3/4	6,125	3/4	21,130	3/4	36,135	3/4	51,062	3/4	65,614	3/4	80,548	3/4	95,472	3/4	110,471	3/4	125,442	3/4	140,421
5	6,438	5	21,443	5	36,447	5	51,365	5	65,927	5	80,857	5	95,784	5	110,783	5	125,754	5	140,733
1/4	6,751	1/4	21,755	1/4	36,759	1/4	51,666	1/4	66,239	1/4	81,167	1/4	96,097	1/4	111,095	1/4	126,066	1/4	141,045
1/2	7,064	1/2	22,068	1/2	37,072	1/2	51,967	1/2	66,551	1/2	81,476	1/2	96,409	1/2	111,406	1/2	126,378	1/2	141,357
3/4	7,377	3/4	22,380	3/4	37,384	3/4	52,269	3/4	66,864	3/4	81,786	3/4	96,722	3/4	111,718	3/4	126,690	3/4	141,669
6	7,690	6	22,693	6	37,696	6	52,570	6	67,176	6	82,096	6	97,034	6	112,030	6	127,003	6	141,982
1/4	8,002	1/4	23,006	1/4	38,008	1/4	52,872	1/4	67,488	1/4	82,405	1/4	97,347	1/4	112,342	1/4	127,315	1/4	142,289
1/2	8,315	1/2	23,318	1/2	38,321	1/2	53,173	1/2	67,800	1/2	82,715	1/2	97,659	1/2	112,654	1/2	127,627	1/2	142,597
3/4	8,628	3/4	23,631	3/4	38,633	3/4	53,475	3/4	68,112	3/4	83,025	3/4	97,972	3/4	112,965	3/4	127,939	3/4	142,905
7	8,940	7	23,943	7	38,945	7	53,776	7	68,425	7	83,334	7	98,285	7	113,277	7	128,251	7	143,212
1/4	9,253	1/4	24,256	1/4	39,257	1/4	54,077	1/4	68,737	1/4	83,644	1/4	98,597	1/4	113,589	1/4	128,563	1/4	143,508
1/2	9,566	1/2	24,569	1/2	39,569	1/2	54,379	1/2	69,049	1/2	83,953	1/2	98,910	1/2	113,901	1/2	128,875	1/2	143,803
3/4	9,878	3/4	24,881	3/4	39,881	3/4	54,680	3/4	69,362	3/4	84,263	3/4	99,222	3/4	114,213	3/4	129,187	3/4	144,098
8	10,191	8	25,194	8	40,193	8	54,982	8	69,674	8	84,573	8	99,535	8	114,524	8	129,499	8	144,394
1/4	10,503	1/4	25,506	1/4	40,505	1/4	55,283	1/4	69,986	1/4	84,882	1/4	99,847	1/4	114,836	1/4	129,811	1/4	144,675
1/2	10,816	1/2	25,819	1/2	40,817	1/2	55,584	1/2	70,299	1/2	85,192	1/2	100,160	1/2	115,148	1/2	130,123	1/2	144,955
3/4	11,129	3/4	26,131	3/4	41,129	3/4	55,886	3/4	70,611	3/4	85,501	3/4	100,472	3/4	115,460	3/4	130,435	3/4	145,236
9	11,441	9	26,444	9	41,441	9	56,187	9	70,923	9	85,811	9	100,785	9	115,772	9	130,747	9	145,517
1/4	11,754	1/4	26,757	1/4	41,753	1/4	56,489	1/4	71,236	1/4	86,121	1/4	101,097	1/4	116,084	1/4	131,059	1/4	145,784
1/2	12,066	1/2	27,069	1/2	42,065	1/2	56,790	1/2	71,548	1/2	86,430	1/2	101,410	1/2	116,395	1/2	131,371	1/2	146,051
3/4	12,379	3/4	27,382	3/4	42,377	3/4	57,092	3/4	71,861	3/4	86,740	3/4	101,722	3/4	116,707	3/4	131,683	3/4	146,318
10	12,692	10	27,694	10	42,689	10	57,393	10	72,173	10	87,049	10	102,035	10	117,019	10	131,996	10	146,585
1/4	13,004	1/4	28,007	1/4	43,001	1/4	57,694	1/4	72,485	1/4	87,359	1/4	102,347	1/4	117,331	1/4	132,308	1/4	146,838
1/2	13,317	1/2	28,320	1/2	43,313	1/2	57,996	1/2	72,798	1/2	87,669	1/2	102,660	1/2	117,643	1/2	132,620	1/2	147,092
3/4	13,629	3/4	28,632	3/4	43,625	3/4	58,297	3/4	73,110	3/4	87,978	3/4	102,973	3/4	117,954	3/4	132,932	3/4	147,346
11	13,942	11	28,945	11	43,937	11	58,599	11	73,422	11	88,288	11	103,285	11	118,266	11	133,244	11	147,599
1/4	14,255	1/4	29,257	1/4	44,249	1/4	58,900	1/4	73,733	1/4	88,599	1/4	103,598	1/4	118,578	1/4	133,556	1/4	147,839
1/2	14,567	1/2	29,570	1/2	44,561	1/2	59,202	1/2	74,044	1/2	88,911	1/2	103,910	1/2	118,890	1/2	133,868	1/2	148,079
3/4	14,880	3/4	29,883	3/4	44,873	3/4	59,503	3/4	74,354	3/4	89,222	3/4	104,223	3/4	119,202	3/4	134,180	3/4	148,320

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 12'-09" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "GBL 2830"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	148,560	0	158,986	0	169,363	0	179,713	0	190,002	0		0		0		0		0	
1/4	148,786	1/4	159,202	1/4	169,579	1/4	179,929	1/4	190,206	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	149,012	1/2	159,419	1/2	169,795	1/2	180,144	1/2	190,410	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	149,238	3/4	159,635	3/4	170,010	3/4	180,360	3/4	190,614	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	149,465	1	159,851	1	170,226	1	180,576	1	190,819	1	1	1	1	1	1	1	1	1	1
1/4	149,683	1/4	160,067	1/4	170,442	1/4	180,791	1/4	190,998	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	149,901	1/2	160,283	1/2	170,657	1/2	181,007	1/2	191,177	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	150,119	3/4	160,500	3/4	170,873	3/4	181,223	3/4	191,357	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	150,337	2	160,716	2	171,088	2	181,438	2	191,536	2	2	2	2	2	2	2	2	2	2
1/4	150,553	1/4	160,932	1/4	171,304	1/4	181,653	1/4	191,685	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	150,769	1/2	161,148	1/2	171,520	1/2	181,868	1/2	191,833	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	150,986	3/4	161,365	3/4	171,735	3/4	182,082	3/4	191,982	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	151,202	3	161,581	3	171,951	3	182,297	3	192,130	3	3	3	3	3	3	3	3	3	3
1/4	151,418	1/4	161,797	1/4	172,167	1/4	182,511	1/4	192,248	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,634	1/2	162,013	1/2	172,382	1/2	182,725	1/2	192,366	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,851	3/4	162,229	3/4	172,598	3/4	182,939	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	152,067	4	162,446	4	172,813	4	183,153	4		4	4	4	4	4	4	4	4	4	4
1/4	152,283	1/4	162,662	1/4	173,029	1/4	183,367	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,499	1/2	162,878	1/2	173,245	1/2	183,582	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,715	3/4	163,094	3/4	173,460	3/4	183,796	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	152,932	5	163,311	5	173,676	5	184,010	5	5	5	5	5	5	5	5	5	5	5	5
1/4	153,148	1/4	163,527	1/4	173,891	1/4	184,224	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,364	1/2	163,743	1/2	174,107	1/2	184,438	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,580	3/4	163,959	3/4	174,323	3/4	184,652	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	153,797	6	164,176	6	174,538	6	184,866	6	6	6	6	6	6	6	6	6	6	6	6
1/4	154,013	1/4	164,392	1/4	174,754	1/4	185,080	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,229	1/2	164,608	1/2	174,970	1/2	185,294	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,445	3/4	164,824	3/4	175,185	3/4	185,509	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	154,662	7	165,040	7	175,401	7	185,723	7	7	7	7	7	7	7	7	7	7	7	7
1/4	154,878	1/4	165,257	1/4	175,616	1/4	185,937	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,094	1/2	165,473	1/2	175,832	1/2	186,151	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,310	3/4	165,689	3/4	176,048	3/4	186,365	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	155,526	8	165,905	8	176,263	8	186,579	8	8	8	8	8	8	8	8	8	8	8	8
1/4	155,743	1/4	166,122	1/4	176,479	1/4	186,793	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,959	1/2	166,338	1/2	176,695	1/2	187,007	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,175	3/4	166,554	3/4	176,910	3/4	187,221	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	156,391	9	166,770	9	177,126	9	187,436	9	9	9	9	9	9	9	9	9	9	9	9
1/4	156,608	1/4	166,987	1/4	177,341	1/4	187,650	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,824	1/2	167,203	1/2	177,557	1/2	187,864	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,040	3/4	167,419	3/4	177,773	3/4	188,078	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	157,256	10	167,635	10	177,988	10	188,292	10	10	10	10	10	10	10	10	10	10	10	10
1/4	157,472	1/4	167,851	1/4	178,204	1/4	188,506	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,689	1/2	168,068	1/2	178,420	1/2	188,720	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,905	3/4	168,284	3/4	178,635	3/4	188,934	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	158,121	11	168,500	11	178,851	11	189,148	11	11	11	11	11	11	11	11	11	11	11	11
1/4	158,337	1/4	168,716	1/4	179,066	1/4	189,362	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,554	1/2	168,932	1/2	179,282	1/2	189,575	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,770	3/4	169,148	3/4	179,498	3/4	189,789	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: 09/12/2012 CL - SW
CALCULATED: 09/12/2012 CL
PRINTED: 09/12/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2012

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



BARGE "GBL 2830"

PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-01 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,157	0	2,314	0	3,470	0	4,626	0		0		0		0		0	
1/4	24	1/4	1,181	1/4	2,338	1/4	3,494	1/4	4,650	1/4		1/4		1/4		1/4		1/4	
1/2	48	1/2	1,205	1/2	2,362	1/2	3,519	1/2	4,673	1/2		1/2		1/2		1/2		1/2	
3/4	72	3/4	1,229	3/4	2,386	3/4	3,543	3/4	4,697	3/4		3/4		3/4		3/4		3/4	
1	96	1	1,253	1	2,410	1	3,567	1	4,721	1		1		1		1		1	
1/4	121	1/4	1,277	1/4	2,434	1/4	3,591	1/4	4,744	1/4		1/4		1/4		1/4		1/4	
1/2	145	1/2	1,301	1/2	2,458	1/2	3,615	1/2	4,768	1/2		1/2		1/2		1/2		1/2	
3/4	169	3/4	1,326	3/4	2,482	3/4	3,639	3/4	4,792	3/4		3/4		3/4		3/4		3/4	
2	193	2	1,350	2	2,506	2	3,663	2	4,815	2		2		2		2		2	
1/4	217	1/4	1,374	1/4	2,530	1/4	3,687	1/4	4,839	1/4		1/4		1/4		1/4		1/4	
1/2	241	1/2	1,398	1/2	2,555	1/2	3,711	1/2	4,862	1/2		1/2		1/2		1/2		1/2	
3/4	265	3/4	1,422	3/4	2,579	3/4	3,735	3/4	4,886	3/4		3/4		3/4		3/4		3/4	
3	289	3	1,446	3	2,603	3	3,760	3	4,910	3		3		3		3		3	
1/4	313	1/4	1,470	1/4	2,627	1/4	3,784	1/4	4,933	1/4		1/4		1/4		1/4		1/4	
1/2	337	1/2	1,494	1/2	2,651	1/2	3,808	1/2	4,957	1/2		1/2		1/2		1/2		1/2	
3/4	362	3/4	1,518	3/4	2,675	3/4	3,832	3/4	4,981	3/4		3/4		3/4		3/4		3/4	
4	386	4	1,542	4	2,699	4	3,856	4	5,004	4		4		4		4		4	
1/4	410	1/4	1,567	1/4	2,723	1/4	3,880	1/4	5,028	1/4		1/4		1/4		1/4		1/4	
1/2	434	1/2	1,591	1/2	2,747	1/2	3,904	1/2	5,051	1/2		1/2		1/2		1/2		1/2	
3/4	458	3/4	1,615	3/4	2,771	3/4	3,928	3/4	5,075	3/4		3/4		3/4		3/4		3/4	
5	482	5	1,639	5	2,796	5	3,952	5	5,099	5		5		5		5		5	
1/4	506	1/4	1,663	1/4	2,820	1/4	3,976	1/4	5,146	1/4		1/4		1/4		1/4		1/4	
1/2	530	1/2	1,687	1/2	2,844	1/2	4,001	1/2	5,194	1/2		1/2		1/2		1/2		1/2	
3/4	554	3/4	1,711	3/4	2,868	3/4	4,025	3/4		3/4		3/4		3/4		3/4		3/4	
6	578	6	1,735	6	2,892	6	4,049	6		6		6		6		6		6	
1/4	603	1/4	1,759	1/4	2,916	1/4	4,073	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	627	1/2	1,783	1/2	2,940	1/2	4,097	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	651	3/4	1,807	3/4	2,964	3/4	4,121	3/4		3/4		3/4		3/4		3/4		3/4	
7	675	7	1,832	7	2,988	7	4,145	7		7		7		7		7		7	
1/4	699	1/4	1,856	1/4	3,012	1/4	4,169	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	723	1/2	1,880	1/2	3,037	1/2	4,193	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	747	3/4	1,904	3/4	3,061	3/4	4,217	3/4		3/4		3/4		3/4		3/4		3/4	
8	771	8	1,928	8	3,085	8	4,242	8		8		8		8		8		8	
1/4	795	1/4	1,952	1/4	3,109	1/4	4,266	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	819	1/2	1,976	1/2	3,133	1/2	4,290	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	844	3/4	2,000	3/4	3,157	3/4	4,314	3/4		3/4		3/4		3/4		3/4		3/4	
9	868	9	2,024	9	3,181	9	4,338	9		9		9		9		9		9	
1/4	892	1/4	2,048	1/4	3,205	1/4	4,362	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	916	1/2	2,073	1/2	3,229	1/2	4,386	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	940	3/4	2,097	3/4	3,253	3/4	4,410	3/4		3/4		3/4		3/4		3/4		3/4	
10	964	10	2,121	10	3,278	10	4,434	10		10		10		10		10		10	
1/4	988	1/4	2,145	1/4	3,302	1/4	4,458	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,012	1/2	2,169	1/2	3,326	1/2	4,483	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,036	3/4	2,193	3/4	3,350	3/4	4,507	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,060	11	2,217	11	3,374	11	4,531	11		11		11		11		11		11	
1/4	1,085	1/4	2,241	1/4	3,398	1/4	4,555	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,109	1/2	2,265	1/2	3,422	1/2	4,578	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,133	3/4	2,289	3/4	3,446	3/4	4,602	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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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.

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



BARGE "GBL 2830"

STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-01 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,157	0	2,314	0	3,470	0	4,626	0		0		0		0		0	
1/4	24	1/4	1,181	1/4	2,338	1/4	3,494	1/4	4,650	1/4		1/4		1/4		1/4		1/4	
1/2	48	1/2	1,205	1/2	2,362	1/2	3,519	1/2	4,673	1/2		1/2		1/2		1/2		1/2	
3/4	72	3/4	1,229	3/4	2,386	3/4	3,543	3/4	4,697	3/4		3/4		3/4		3/4		3/4	
1	96	1	1,253	1	2,410	1	3,567	1	4,721	1		1		1		1		1	
1/4	121	1/4	1,277	1/4	2,434	1/4	3,591	1/4	4,744	1/4		1/4		1/4		1/4		1/4	
1/2	145	1/2	1,301	1/2	2,458	1/2	3,615	1/2	4,768	1/2		1/2		1/2		1/2		1/2	
3/4	169	3/4	1,326	3/4	2,482	3/4	3,639	3/4	4,792	3/4		3/4		3/4		3/4		3/4	
2	193	2	1,350	2	2,506	2	3,663	2	4,815	2		2		2		2		2	
1/4	217	1/4	1,374	1/4	2,530	1/4	3,687	1/4	4,839	1/4		1/4		1/4		1/4		1/4	
1/2	241	1/2	1,398	1/2	2,555	1/2	3,711	1/2	4,862	1/2		1/2		1/2		1/2		1/2	
3/4	265	3/4	1,422	3/4	2,579	3/4	3,735	3/4	4,886	3/4		3/4		3/4		3/4		3/4	
3	289	3	1,446	3	2,603	3	3,760	3	4,910	3		3		3		3		3	
1/4	313	1/4	1,470	1/4	2,627	1/4	3,784	1/4	4,933	1/4		1/4		1/4		1/4		1/4	
1/2	337	1/2	1,494	1/2	2,651	1/2	3,808	1/2	4,957	1/2		1/2		1/2		1/2		1/2	
3/4	362	3/4	1,518	3/4	2,675	3/4	3,832	3/4	4,981	3/4		3/4		3/4		3/4		3/4	
4	386	4	1,542	4	2,699	4	3,856	4	5,004	4		4		4		4		4	
1/4	410	1/4	1,567	1/4	2,723	1/4	3,880	1/4	5,028	1/4		1/4		1/4		1/4		1/4	
1/2	434	1/2	1,591	1/2	2,747	1/2	3,904	1/2	5,051	1/2		1/2		1/2		1/2		1/2	
3/4	458	3/4	1,615	3/4	2,771	3/4	3,928	3/4	5,075	3/4		3/4		3/4		3/4		3/4	
5	482	5	1,639	5	2,796	5	3,952	5	5,099	5		5		5		5		5	
1/4	506	1/4	1,663	1/4	2,820	1/4	3,976	1/4	5,146	1/4		1/4		1/4		1/4		1/4	
1/2	530	1/2	1,687	1/2	2,844	1/2	4,001	1/2	5,194	1/2		1/2		1/2		1/2		1/2	
3/4	554	3/4	1,711	3/4	2,868	3/4	4,025	3/4		3/4		3/4		3/4		3/4		3/4	
6	578	6	1,735	6	2,892	6	4,049	6		6		6		6		6		6	
1/4	603	1/4	1,759	1/4	2,916	1/4	4,073	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	627	1/2	1,783	1/2	2,940	1/2	4,097	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	651	3/4	1,807	3/4	2,964	3/4	4,121	3/4		3/4		3/4		3/4		3/4		3/4	
7	675	7	1,832	7	2,988	7	4,145	7		7		7		7		7		7	
1/4	699	1/4	1,856	1/4	3,012	1/4	4,169	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	723	1/2	1,880	1/2	3,037	1/2	4,193	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	747	3/4	1,904	3/4	3,061	3/4	4,217	3/4		3/4		3/4		3/4		3/4		3/4	
8	771	8	1,928	8	3,085	8	4,242	8		8		8		8		8		8	
1/4	795	1/4	1,952	1/4	3,109	1/4	4,266	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	819	1/2	1,976	1/2	3,133	1/2	4,290	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	844	3/4	2,000	3/4	3,157	3/4	4,314	3/4		3/4		3/4		3/4		3/4		3/4	
9	868	9	2,024	9	3,181	9	4,338	9		9		9		9		9		9	
1/4	892	1/4	2,048	1/4	3,205	1/4	4,362	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	916	1/2	2,073	1/2	3,229	1/2	4,386	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	940	3/4	2,097	3/4	3,253	3/4	4,410	3/4		3/4		3/4		3/4		3/4		3/4	
10	964	10	2,121	10	3,278	10	4,434	10		10		10		10		10		10	
1/4	988	1/4	2,145	1/4	3,302	1/4	4,458	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,012	1/2	2,169	1/2	3,326	1/2	4,483	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,036	3/4	2,193	3/4	3,350	3/4	4,507	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,060	11	2,217	11	3,374	11	4,531	11		11		11		11		11		11	
1/4	1,085	1/4	2,241	1/4	3,398	1/4	4,555	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,109	1/2	2,265	1/2	3,422	1/2	4,578	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,133	3/4	2,289	3/4	3,446	3/4	4,602	3/4		3/4		3/4		3/4		3/4		3/4	

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