



BARGE "GBL 3130"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"
 AFT DRAFT = 5'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

September 24, 2012

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "GBL 3130"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-10 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	544	0	12,981	0	27,752	0	42,793	0	57,835	0	72,863	0	87,897	0	102,939	0	117,976	0	133,011
1/4	713	1/4	13,274	1/4	28,065	1/4	43,106	1/4	58,148	1/4	73,176	1/4	88,210	1/4	103,252	1/4	118,289	1/4	133,324
1/2	881	1/2	13,566	1/2	28,378	1/2	43,420	1/2	58,461	1/2	73,489	1/2	88,524	1/2	103,566	1/2	118,603	1/2	133,637
3/4	1,049	3/4	13,859	3/4	28,692	3/4	43,733	3/4	58,775	3/4	73,801	3/4	88,837	3/4	103,879	3/4	118,916	3/4	133,950
1	1,217	1	14,151	1	29,005	1	44,047	1	59,088	1	74,114	1	89,150	1	104,192	1	119,229	1	134,264
1/4	1,446	1/4	14,448	1/4	29,318	1/4	44,360	1/4	59,401	1/4	74,427	1/4	89,464	1/4	104,506	1/4	119,542	1/4	134,577
1/2	1,676	1/2	14,744	1/2	29,632	1/2	44,673	1/2	59,715	1/2	74,740	1/2	89,777	1/2	104,819	1/2	119,855	1/2	134,890
3/4	1,905	3/4	15,041	3/4	29,945	3/4	44,987	3/4	60,028	3/4	75,053	3/4	90,090	3/4	105,132	3/4	120,169	3/4	135,203
2	2,135	2	15,337	2	30,258	2	45,300	2	60,342	2	75,365	2	90,404	2	105,446	2	120,482	2	135,517
1/4	2,387	1/4	15,637	1/4	30,572	1/4	45,613	1/4	60,655	1/4	75,678	1/4	90,717	1/4	105,759	1/4	120,795	1/4	135,830
1/2	2,640	1/2	15,938	1/2	30,885	1/2	45,927	1/2	60,968	1/2	75,991	1/2	91,031	1/2	106,073	1/2	121,108	1/2	136,143
3/4	2,893	3/4	16,238	3/4	31,199	3/4	46,240	3/4	61,282	3/4	76,304	3/4	91,344	3/4	106,386	3/4	121,422	3/4	136,456
3	3,146	3	16,538	3	31,512	3	46,553	3	61,595	3	76,617	3	91,657	3	106,699	3	121,735	3	136,769
1/4	3,404	1/4	16,842	1/4	31,825	1/4	46,867	1/4	61,908	1/4	76,930	1/4	91,971	1/4	107,013	1/4	122,048	1/4	137,083
1/2	3,662	1/2	17,147	1/2	32,139	1/2	47,180	1/2	62,222	1/2	77,243	1/2	92,284	1/2	107,326	1/2	122,361	1/2	137,396
3/4	3,919	3/4	17,451	3/4	32,452	3/4	47,494	3/4	62,535	3/4	77,556	3/4	92,597	3/4	107,639	3/4	122,674	3/4	137,709
4	4,177	4	17,755	4	32,765	4	47,807	4	62,848	4	77,869	4	92,911	4	107,953	4	122,988	4	138,022
1/4	4,438	1/4	18,063	1/4	33,079	1/4	48,120	1/4	63,162	1/4	78,182	1/4	93,224	1/4	108,266	1/4	123,301	1/4	138,336
1/2	4,700	1/2	18,371	1/2	33,392	1/2	48,434	1/2	63,475	1/2	78,496	1/2	93,538	1/2	108,579	1/2	123,614	1/2	138,649
3/4	4,961	3/4	18,679	3/4	33,705	3/4	48,747	3/4	63,789	3/4	78,809	3/4	93,851	3/4	108,893	3/4	123,927	3/4	138,962
5	5,223	5	18,987	5	34,019	5	49,060	5	64,102	5	79,122	5	94,164	5	109,206	5	124,241	5	139,275
1/4	5,488	1/4	19,298	1/4	34,332	1/4	49,374	1/4	64,415	1/4	79,436	1/4	94,478	1/4	109,519	1/4	124,554	1/4	139,588
1/2	5,754	1/2	19,610	1/2	34,646	1/2	49,687	1/2	64,728	1/2	79,749	1/2	94,791	1/2	109,832	1/2	124,867	1/2	139,902
3/4	6,019	3/4	19,921	3/4	34,959	3/4	50,000	3/4	65,042	3/4	80,063	3/4	95,104	3/4	110,146	3/4	125,180	3/4	140,215
6	6,285	6	20,232	6	35,272	6	50,314	6	65,355	6	80,376	6	95,418	6	110,459	6	125,493	6	140,528
1/4	6,554	1/4	20,545	1/4	35,586	1/4	50,627	1/4	65,668	1/4	80,689	1/4	95,731	1/4	110,772	1/4	125,807	1/4	140,841
1/2	6,823	1/2	20,858	1/2	35,899	1/2	50,941	1/2	65,981	1/2	81,003	1/2	96,045	1/2	111,085	1/2	126,120	1/2	141,155
3/4	7,093	3/4	21,171	3/4	36,212	3/4	51,254	3/4	66,294	3/4	81,316	3/4	96,358	3/4	111,398	3/4	126,433	3/4	141,468
7	7,362	7	21,484	7	36,526	7	51,567	7	66,607	7	81,629	7	96,671	7	111,712	7	126,746	7	141,781
1/4	7,635	1/4	21,798	1/4	36,839	1/4	51,881	1/4	66,920	1/4	81,943	1/4	96,985	1/4	112,025	1/4	127,060	1/4	142,094
1/2	7,908	1/2	22,111	1/2	37,153	1/2	52,194	1/2	67,233	1/2	82,256	1/2	97,298	1/2	112,338	1/2	127,373	1/2	142,407
3/4	8,182	3/4	22,424	3/4	37,466	3/4	52,507	3/4	67,545	3/4	82,570	3/4	97,611	3/4	112,651	3/4	127,686	3/4	142,721
8	8,455	8	22,738	8	37,779	8	52,821	8	67,858	8	82,883	8	97,925	8	112,965	8	127,999	8	143,034
1/4	8,732	1/4	23,051	1/4	38,093	1/4	53,134	1/4	68,171	1/4	83,196	1/4	98,238	1/4	113,278	1/4	128,312	1/4	143,347
1/2	9,009	1/2	23,364	1/2	38,406	1/2	53,447	1/2	68,484	1/2	83,510	1/2	98,552	1/2	113,591	1/2	128,626	1/2	143,660
3/4	9,286	3/4	23,678	3/4	38,719	3/4	53,761	3/4	68,797	3/4	83,823	3/4	98,865	3/4	113,904	3/4	128,939	3/4	143,974
9	9,563	9	23,991	9	39,033	9	54,074	9	69,109	9	84,136	9	99,178	9	114,217	9	129,252	9	144,287
1/4	9,844	1/4	24,305	1/4	39,346	1/4	54,388	1/4	69,422	1/4	84,450	1/4	99,492	1/4	114,531	1/4	129,565	1/4	144,600
1/2	10,125	1/2	24,618	1/2	39,659	1/2	54,701	1/2	69,735	1/2	84,763	1/2	99,805	1/2	114,844	1/2	129,879	1/2	144,913
3/4	10,406	3/4	24,931	3/4	39,973	3/4	55,014	3/4	70,048	3/4	85,077	3/4	100,118	3/4	115,157	3/4	130,192	3/4	145,226
10	10,687	10	25,245	10	40,286	10	55,328	10	70,361	10	85,390	10	100,432	10	115,470	10	130,505	10	145,540
1/4	10,972	1/4	25,558	1/4	40,600	1/4	55,641	1/4	70,673	1/4	85,703	1/4	100,745	1/4	115,784	1/4	130,818	1/4	145,853
1/2	11,257	1/2	25,871	1/2	40,913	1/2	55,954	1/2	70,986	1/2	86,017	1/2	101,059	1/2	116,097	1/2	131,131	1/2	146,166
3/4	11,541	3/4	26,185	3/4	41,226	3/4	56,268	3/4	71,299	3/4	86,330	3/4	101,372	3/4	116,410	3/4	131,445	3/4	146,479
11	11,826	11	26,498	11	41,540	11	56,581	11	71,612	11	86,643	11	101,685	11	116,723	11	131,758	11	146,793
1/4	12,115	1/4	26,811	1/4	41,853	1/4	56,894	1/4	71,925	1/4	86,957	1/4	101,999	1/4	117,036	1/4	132,071	1/4	147,106
1/2	12,404	1/2	27,125	1/2	42,166	1/2	57,208	1/2	72,237	1/2	87,270	1/2	102,312	1/2	117,350	1/2	132,384	1/2	147,419
3/4	12,692	3/4	27,438	3/4	42,480	3/4	57,521	3/4	72,550	3/4	87,584	3/4	102,625	3/4	117,663	3/4	132,698	3/4	147,732

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
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BARGE "GBL 3130"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-10 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	148,045	0	163,080	0	178,112	0	193,103	0	208,006	0		0		0		0		0	
1/4	148,359	1/4	163,393	1/4	178,425	1/4	193,416	1/4	208,302	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	148,672	1/2	163,706	1/2	178,737	1/2	193,728	1/2	208,597	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	148,985	3/4	164,020	3/4	179,049	3/4	194,040	3/4	208,893	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	149,298	1	164,333	1	179,362	1	194,352	1	209,189	1	1	1	1	1	1	1	1	1	1
1/4	149,612	1/4	164,646	1/4	179,674	1/4	194,665	1/4	209,448	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	149,925	1/2	164,959	1/2	179,986	1/2	194,977	1/2	209,708	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	150,238	3/4	165,273	3/4	180,299	3/4	195,289	3/4	209,968	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	150,551	2	165,586	2	180,611	2	195,602	2	210,228	2	2	2	2	2	2	2	2	2	2
1/4	150,864	1/4	165,899	1/4	180,923	1/4	195,913	1/4	210,443	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,178	1/2	166,212	1/2	181,235	1/2	196,224	1/2	210,658	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,491	3/4	166,525	3/4	181,548	3/4	196,534	3/4	210,874	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	151,804	3	166,839	3	181,860	3	196,845	3	211,089	3	3	3	3	3	3	3	3	3	3
1/4	152,117	1/4	167,152	1/4	182,172	1/4	197,156	1/4	211,259	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,431	1/2	167,465	1/2	182,485	1/2	197,466	1/2	211,429	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,744	3/4	167,778	3/4	182,797	3/4	197,776	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	153,057	4	168,092	4	183,109	4	198,086	4		4	4	4	4	4	4	4	4	4	4
1/4	153,370	1/4	168,405	1/4	183,422	1/4	198,396	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,683	1/2	168,718	1/2	183,734	1/2	198,706	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,997	3/4	169,031	3/4	184,046	3/4	199,016	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	154,310	5	169,344	5	184,359	5	199,326	5		5	5	5	5	5	5	5	5	5	5
1/4	154,623	1/4	169,658	1/4	184,671	1/4	199,637	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,936	1/2	169,971	1/2	184,983	1/2	199,947	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,249	3/4	170,284	3/4	185,295	3/4	200,257	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	155,563	6	170,597	6	185,608	6	200,567	6		6	6	6	6	6	6	6	6	6	6
1/4	155,876	1/4	170,911	1/4	185,920	1/4	200,877	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,189	1/2	171,224	1/2	186,232	1/2	201,187	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,502	3/4	171,537	3/4	186,545	3/4	201,497	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	156,816	7	171,850	7	186,857	7	201,807	7		7	7	7	7	7	7	7	7	7	7
1/4	157,129	1/4	172,163	1/4	187,169	1/4	202,118	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,442	1/2	172,477	1/2	187,482	1/2	202,428	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,755	3/4	172,790	3/4	187,794	3/4	202,738	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	158,068	8	173,103	8	188,106	8	203,048	8		8	8	8	8	8	8	8	8	8	8
1/4	158,382	1/4	173,416	1/4	188,419	1/4	203,358	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,695	1/2	173,730	1/2	188,731	1/2	203,668	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,008	3/4	174,043	3/4	189,043	3/4	203,978	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	159,321	9	174,356	9	189,355	9	204,288	9		9	9	9	9	9	9	9	9	9	9
1/4	159,635	1/4	174,669	1/4	189,668	1/4	204,599	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,948	1/2	174,982	1/2	189,980	1/2	204,909	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,261	3/4	175,296	3/4	190,292	3/4	205,219	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	160,574	10	175,609	10	190,605	10	205,529	10		10	10	10	10	10	10	10	10	10	10
1/4	160,887	1/4	175,922	1/4	190,917	1/4	205,839	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,201	1/2	176,235	1/2	191,229	1/2	206,149	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,514	3/4	176,549	3/4	191,542	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
11	161,827	11	176,862	11	191,854	11	206,769	11		11	11	11	11	11	11	11	11	11	11
1/4	162,140	1/4	177,174	1/4	192,166	1/4	207,078	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,454	1/2	177,487	1/2	192,479	1/2	207,387	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,767	3/4	177,800	3/4	192,791	3/4	207,697	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: 09/24/2012 CL - SW
CALCULATED: 09/24/2012 CL
PRINTED: 09/24/2012 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 3130"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

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	544	0	12,980	0	27,750	0	42,792	0	57,833	0	72,812	0	87,816	0	102,858	0	117,895	0	132,930
1/4	712	1/4	13,272	1/4	28,064	1/4	43,105	1/4	58,147	1/4	73,123	1/4	88,130	1/4	103,171	1/4	118,209	1/4	133,243
1/2	881	1/2	13,565	1/2	28,377	1/2	43,419	1/2	58,460	1/2	73,434	1/2	88,443	1/2	103,485	1/2	118,522	1/2	133,556
3/4	1,049	3/4	13,858	3/4	28,690	3/4	43,732	3/4	58,773	3/4	73,745	3/4	88,756	3/4	103,798	3/4	118,835	3/4	133,870
1	1,217	1	14,150	1	29,004	1	44,045	1	59,087	1	74,056	1	89,070	1	104,112	1	119,148	1	134,183
1/4	1,446	1/4	14,447	1/4	29,317	1/4	44,359	1/4	59,400	1/4	74,367	1/4	89,383	1/4	104,425	1/4	119,462	1/4	134,496
1/2	1,675	1/2	14,743	1/2	29,631	1/2	44,672	1/2	59,714	1/2	74,678	1/2	89,696	1/2	104,738	1/2	119,775	1/2	134,809
3/4	1,905	3/4	15,039	3/4	29,944	3/4	44,985	3/4	60,027	3/4	74,989	3/4	90,010	3/4	105,052	3/4	120,088	3/4	135,123
2	2,134	2	15,336	2	30,257	2	45,299	2	60,340	2	75,300	2	90,323	2	105,365	2	120,401	2	135,436
1/4	2,387	1/4	15,636	1/4	30,571	1/4	45,612	1/4	60,654	1/4	75,611	1/4	90,637	1/4	105,678	1/4	120,714	1/4	135,749
1/2	2,640	1/2	15,936	1/2	30,884	1/2	45,926	1/2	60,967	1/2	75,922	1/2	90,950	1/2	105,992	1/2	121,028	1/2	136,062
3/4	2,893	3/4	16,237	3/4	31,197	3/4	46,239	3/4	61,280	3/4	76,233	3/4	91,263	3/4	106,305	3/4	121,341	3/4	136,375
3	3,146	3	16,537	3	31,511	3	46,552	3	61,594	3	76,544	3	91,577	3	106,619	3	121,654	3	136,689
1/4	3,404	1/4	16,841	1/4	31,824	1/4	46,866	1/4	61,907	1/4	76,856	1/4	91,890	1/4	106,932	1/4	121,967	1/4	137,002
1/2	3,661	1/2	17,145	1/2	32,137	1/2	47,179	1/2	62,220	1/2	77,167	1/2	92,203	1/2	107,245	1/2	122,281	1/2	137,315
3/4	3,919	3/4	17,449	3/4	32,451	3/4	47,492	3/4	62,533	3/4	77,479	3/4	92,517	3/4	107,559	3/4	122,594	3/4	137,628
4	4,176	4	17,754	4	32,764	4	47,806	4	62,846	4	77,790	4	92,830	4	107,872	4	122,907	4	137,942
1/4	4,438	1/4	18,062	1/4	33,078	1/4	48,119	1/4	63,159	1/4	78,103	1/4	93,144	1/4	108,185	1/4	123,220	1/4	138,255
1/2	4,699	1/2	18,370	1/2	33,391	1/2	48,432	1/2	63,471	1/2	78,416	1/2	93,457	1/2	108,499	1/2	123,533	1/2	138,568
3/4	4,961	3/4	18,678	3/4	33,704	3/4	48,746	3/4	63,784	3/4	78,729	3/4	93,770	3/4	108,812	3/4	123,847	3/4	138,881
5	5,222	5	18,986	5	34,018	5	49,059	5	64,096	5	79,042	5	94,084	5	109,125	5	124,160	5	139,194
1/4	5,488	1/4	19,297	1/4	34,331	1/4	49,373	1/4	64,409	1/4	79,355	1/4	94,397	1/4	109,438	1/4	124,473	1/4	139,508
1/2	5,753	1/2	19,608	1/2	34,644	1/2	49,686	1/2	64,721	1/2	79,668	1/2	94,710	1/2	109,752	1/2	124,786	1/2	139,821
3/4	6,019	3/4	19,920	3/4	34,958	3/4	49,999	3/4	65,033	3/4	79,982	3/4	95,024	3/4	110,065	3/4	125,100	3/4	140,134
6	6,284	6	20,231	6	35,271	6	50,313	6	65,345	6	80,295	6	95,337	6	110,378	6	125,413	6	140,447
1/4	6,553	1/4	20,544	1/4	35,584	1/4	50,626	1/4	65,657	1/4	80,609	1/4	95,651	1/4	110,691	1/4	125,726	1/4	140,761
1/2	6,823	1/2	20,857	1/2	35,898	1/2	50,939	1/2	65,969	1/2	80,922	1/2	95,964	1/2	111,005	1/2	126,039	1/2	141,074
3/4	7,092	3/4	21,170	3/4	36,211	3/4	51,253	3/4	66,280	3/4	81,235	3/4	96,277	3/4	111,318	3/4	126,352	3/4	141,387
7	7,361	7	21,483	7	36,525	7	51,566	7	66,592	7	81,549	7	96,591	7	111,631	7	126,666	7	141,700
1/4	7,634	1/4	21,796	1/4	36,838	1/4	51,879	1/4	66,903	1/4	81,862	1/4	96,904	1/4	111,944	1/4	126,979	1/4	142,013
1/2	7,908	1/2	22,110	1/2	37,151	1/2	52,193	1/2	67,214	1/2	82,175	1/2	97,217	1/2	112,257	1/2	127,292	1/2	142,327
3/4	8,181	3/4	22,423	3/4	37,465	3/4	52,506	3/4	67,525	3/4	82,489	3/4	97,531	3/4	112,571	3/4	127,605	3/4	142,640
8	8,454	8	22,737	8	37,778	8	52,820	8	67,836	8	82,802	8	97,844	8	112,884	8	127,919	8	142,953
1/4	8,731	1/4	23,050	1/4	38,091	1/4	53,133	1/4	68,147	1/4	83,116	1/4	98,157	1/4	113,197	1/4	128,232	1/4	143,266
1/2	9,008	1/2	23,363	1/2	38,405	1/2	53,446	1/2	68,458	1/2	83,429	1/2	98,471	1/2	113,510	1/2	128,545	1/2	143,580
3/4	9,285	3/4	23,677	3/4	38,718	3/4	53,760	3/4	68,769	3/4	83,742	3/4	98,784	3/4	113,824	3/4	128,858	3/4	143,893
9	9,562	9	23,990	9	39,031	9	54,073	9	69,080	9	84,056	9	99,098	9	114,137	9	129,171	9	144,206
1/4	9,843	1/4	24,303	1/4	39,345	1/4	54,386	1/4	69,391	1/4	84,369	1/4	99,411	1/4	114,450	1/4	129,485	1/4	144,519
1/2	10,124	1/2	24,617	1/2	39,658	1/2	54,700	1/2	69,702	1/2	84,682	1/2	99,724	1/2	114,763	1/2	129,798	1/2	144,832
3/4	10,405	3/4	24,930	3/4	39,972	3/4	55,013	3/4	70,013	3/4	84,996	3/4	100,038	3/4	115,076	3/4	130,111	3/4	145,146
10	10,686	10	25,243	10	40,285	10	55,326	10	70,324	10	85,309	10	100,351	10	115,390	10	130,424	10	145,459
1/4	10,971	1/4	25,557	1/4	40,598	1/4	55,640	1/4	70,635	1/4	85,623	1/4	100,664	1/4	115,703	1/4	130,737	1/4	145,772
1/2	11,256	1/2	25,870	1/2	40,912	1/2	55,953	1/2	70,946	1/2	85,936	1/2	100,978	1/2	116,016	1/2	131,051	1/2	146,085
3/4	11,540	3/4	26,184	3/4	41,225	3/4	56,267	3/4	71,257	3/4	86,249	3/4	101,291	3/4	116,329	3/4	131,364	3/4	146,399
11	11,825	11	26,497	11	41,538	11	56,580	11	71,568	11	86,563	11	101,605	11	116,643	11	131,677	11	146,712
1/4	12,114	1/4	26,810	1/4	41,852	1/4	56,893	1/4	71,879	1/4	86,876	1/4	101,918	1/4	116,956	1/4	131,990	1/4	147,025
1/2	12,403	1/2	27,124	1/2	42,165	1/2	57,207	1/2	72,190	1/2	87,189	1/2	102,231	1/2	117,269	1/2	132,304	1/2	147,338
3/4	12,691	3/4	27,437	3/4	42,479	3/4	57,520	3/4	72,501	3/4	87,503	3/4	102,545	3/4	117,582	3/4	132,617	3/4	147,651

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 3130"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

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	147,965	0	162,999	0	178,032	0	193,022	0	207,925	0		0		0		0		0	
1/4	148,278	1/4	163,313	1/4	178,344	1/4	193,335	1/4	208,221	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	148,591	1/2	163,626	1/2	178,656	1/2	193,647	1/2	208,516	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	148,904	3/4	163,939	3/4	178,969	3/4	193,959	3/4	208,812	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	149,218	1	164,252	1	179,281	1	194,272	1	209,108	1	1	1	1	1	1	1	1	1	1
1/4	149,531	1/4	164,565	1/4	179,593	1/4	194,584	1/4	209,368	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	149,844	1/2	164,879	1/2	179,905	1/2	194,896	1/2	209,628	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	150,157	3/4	165,192	3/4	180,218	3/4	195,209	3/4	209,887	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	150,470	2	165,505	2	180,530	2	195,521	2	210,147	2	2	2	2	2	2	2	2	2	2
1/4	150,784	1/4	165,818	1/4	180,842	1/4	195,832	1/4	210,362	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,097	1/2	166,132	1/2	181,155	1/2	196,143	1/2	210,578	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,410	3/4	166,445	3/4	181,467	3/4	196,454	3/4	210,793	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	151,723	3	166,758	3	181,779	3	196,765	3	211,008	3	3	3	3	3	3	3	3	3	3
1/4	152,037	1/4	167,071	1/4	182,092	1/4	197,075	1/4	211,178	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,350	1/2	167,384	1/2	182,404	1/2	197,385	1/2	211,349	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,663	3/4	167,698	3/4	182,716	3/4	197,695	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	152,976	4	168,011	4	183,029	4	198,005	4		4	4	4	4	4	4	4	4	4	4
1/4	153,289	1/4	168,324	1/4	183,341	1/4	198,315	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,603	1/2	168,637	1/2	183,653	1/2	198,625	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,916	3/4	168,951	3/4	183,965	3/4	198,936	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	154,229	5	169,264	5	184,278	5	199,246	5	5	5	5	5	5	5	5	5	5	5	5
1/4	154,542	1/4	169,577	1/4	184,590	1/4	199,556	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,856	1/2	169,890	1/2	184,902	1/2	199,866	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,169	3/4	170,203	3/4	185,215	3/4	200,176	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	155,482	6	170,517	6	185,527	6	200,486	6	6	6	6	6	6	6	6	6	6	6	6
1/4	155,795	1/4	170,830	1/4	185,839	1/4	200,796	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,108	1/2	171,143	1/2	186,152	1/2	201,106	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,422	3/4	171,456	3/4	186,464	3/4	201,416	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	156,735	7	171,770	7	186,776	7	201,727	7	7	7	7	7	7	7	7	7	7	7	7
1/4	157,048	1/4	172,083	1/4	187,089	1/4	202,037	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,361	1/2	172,396	1/2	187,401	1/2	202,347	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,675	3/4	172,709	3/4	187,713	3/4	202,657	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	157,988	8	173,022	8	188,026	8	202,967	8	8	8	8	8	8	8	8	8	8	8	8
1/4	158,301	1/4	173,336	1/4	188,338	1/4	203,277	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,614	1/2	173,649	1/2	188,650	1/2	203,587	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,927	3/4	173,962	3/4	188,962	3/4	203,897	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	159,241	9	174,275	9	189,275	9	204,208	9	9	9	9	9	9	9	9	9	9	9	9
1/4	159,554	1/4	174,589	1/4	189,587	1/4	204,518	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,867	1/2	174,902	1/2	189,899	1/2	204,828	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,180	3/4	175,215	3/4	190,212	3/4	205,138	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	160,494	10	175,528	10	190,524	10	205,448	10	10	10	10	10	10	10	10	10	10	10	10
1/4	160,807	1/4	175,841	1/4	190,836	1/4	205,758	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,120	1/2	176,155	1/2	191,149	1/2	206,068	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,433	3/4	176,468	3/4	191,461	3/4	206,378	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	161,746	11	176,781	11	191,773	11	206,688	11	11	11	11	11	11	11	11	11	11	11	11
1/4	162,060	1/4	177,094	1/4	192,086	1/4	206,997	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,373	1/2	177,406	1/2	192,398	1/2	207,307	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,686	3/4	177,719	3/4	192,710	3/4	207,616	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: 09/24/2012 CL - SW
CALCULATED: 09/24/2012 CL
PRINTED: 09/24/2012 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 3130"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

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	15,261	0	30,344	0	45,413	0	60,489	0	75,573	0	90,657	0	105,741	0	120,820	0	135,897
1/4	853	1/4	15,575	1/4	30,658	1/4	45,726	1/4	60,804	1/4	75,888	1/4	90,971	1/4	106,055	1/4	121,135	1/4	136,211
1/2	1,076	1/2	15,889	1/2	30,973	1/2	46,040	1/2	61,118	1/2	76,202	1/2	91,286	1/2	106,370	1/2	121,449	1/2	136,525
3/4	1,298	3/4	16,203	3/4	31,287	3/4	46,354	3/4	61,432	3/4	76,516	3/4	91,600	3/4	106,684	3/4	121,763	3/4	136,839
1	1,521	1	16,518	1	31,601	1	46,667	1	61,746	1	76,830	1	91,914	1	106,998	1	122,077	1	137,153
1/4	1,815	1/4	16,832	1/4	31,915	1/4	46,981	1/4	62,061	1/4	77,144	1/4	92,228	1/4	107,312	1/4	122,391	1/4	137,468
1/2	2,108	1/2	17,146	1/2	32,230	1/2	47,295	1/2	62,375	1/2	77,459	1/2	92,543	1/2	107,627	1/2	122,705	1/2	137,782
3/4	2,402	3/4	17,460	3/4	32,544	3/4	47,608	3/4	62,689	3/4	77,773	3/4	92,857	3/4	107,941	3/4	123,019	3/4	138,096
2	2,695	2	17,775	2	32,858	2	47,922	2	63,003	2	78,087	2	93,171	2	108,255	2	123,333	2	138,410
1/4	3,009	1/4	18,089	1/4	33,172	1/4	48,236	1/4	63,318	1/4	78,401	1/4	93,485	1/4	108,569	1/4	123,647	1/4	138,724
1/2	3,322	1/2	18,403	1/2	33,487	1/2	48,549	1/2	63,632	1/2	78,716	1/2	93,800	1/2	108,884	1/2	123,961	1/2	139,038
3/4	3,636	3/4	18,717	3/4	33,801	3/4	48,863	3/4	63,946	3/4	79,030	3/4	94,114	3/4	109,198	3/4	124,275	3/4	139,352
3	3,949	3	19,032	3	34,115	3	49,177	3	64,260	3	79,344	3	94,428	3	109,512	3	124,590	3	139,666
1/4	4,263	1/4	19,346	1/4	34,429	1/4	49,491	1/4	64,575	1/4	79,658	1/4	94,742	1/4	109,826	1/4	124,904	1/4	139,980
1/2	4,577	1/2	19,660	1/2	34,744	1/2	49,805	1/2	64,889	1/2	79,973	1/2	95,057	1/2	110,141	1/2	125,218	1/2	140,294
3/4	4,891	3/4	19,974	3/4	35,058	3/4	50,119	3/4	65,203	3/4	80,287	3/4	95,371	3/4	110,455	3/4	125,532	3/4	140,608
4	5,205	4	20,289	4	35,372	4	50,433	4	65,517	4	80,601	4	95,685	4	110,769	4	125,846	4	140,923
1/4	5,519	1/4	20,603	1/4	35,686	1/4	50,748	1/4	65,832	1/4	80,915	1/4	95,999	1/4	111,083	1/4	126,160	1/4	141,237
1/2	5,834	1/2	20,917	1/2	36,000	1/2	51,062	1/2	66,146	1/2	81,230	1/2	96,314	1/2	111,397	1/2	126,474	1/2	141,551
3/4	6,148	3/4	21,231	3/4	36,315	3/4	51,376	3/4	66,460	3/4	81,544	3/4	96,628	3/4	111,712	3/4	126,788	3/4	141,865
5	6,462	5	21,545	5	36,629	5	51,690	5	66,774	5	81,858	5	96,942	5	112,026	5	127,102	5	142,179
1/4	6,776	1/4	21,860	1/4	36,943	1/4	52,005	1/4	67,089	1/4	82,172	1/4	97,256	1/4	112,340	1/4	127,416	1/4	142,493
1/2	7,090	1/2	22,174	1/2	37,257	1/2	52,319	1/2	67,403	1/2	82,487	1/2	97,571	1/2	112,654	1/2	127,731	1/2	142,807
3/4	7,405	3/4	22,488	3/4	37,571	3/4	52,633	3/4	67,717	3/4	82,801	3/4	97,885	3/4	112,968	3/4	128,045	3/4	143,121
6	7,719	6	22,802	6	37,885	6	52,947	6	68,031	6	83,115	6	98,199	6	113,282	6	128,359	6	143,435
1/4	8,033	1/4	23,117	1/4	38,199	1/4	53,262	1/4	68,346	1/4	83,429	1/4	98,513	1/4	113,596	1/4	128,673	1/4	143,749
1/2	8,347	1/2	23,431	1/2	38,512	1/2	53,576	1/2	68,660	1/2	83,744	1/2	98,828	1/2	113,910	1/2	128,987	1/2	144,064
3/4	8,662	3/4	23,745	3/4	38,826	3/4	53,890	3/4	68,974	3/4	84,058	3/4	99,142	3/4	114,224	3/4	129,301	3/4	144,378
7	8,976	7	24,059	7	39,140	7	54,204	7	69,288	7	84,372	7	99,456	7	114,539	7	129,615	7	144,692
1/4	9,290	1/4	24,374	1/4	39,453	1/4	54,519	1/4	69,603	1/4	84,686	1/4	99,770	1/4	114,853	1/4	129,929	1/4	145,006
1/2	9,604	1/2	24,688	1/2	39,767	1/2	54,833	1/2	69,917	1/2	85,001	1/2	100,085	1/2	115,167	1/2	130,243	1/2	145,320
3/4	9,919	3/4	25,002	3/4	40,081	3/4	55,147	3/4	70,231	3/4	85,315	3/4	100,399	3/4	115,481	3/4	130,557	3/4	145,634
8	10,233	8	25,316	8	40,394	8	55,461	8	70,545	8	85,629	8	100,713	8	115,795	8	130,871	8	145,948
1/4	10,547	1/4	25,631	1/4	40,708	1/4	55,776	1/4	70,860	1/4	85,943	1/4	101,027	1/4	116,109	1/4	131,186	1/4	146,262
1/2	10,861	1/2	25,945	1/2	41,022	1/2	56,090	1/2	71,174	1/2	86,258	1/2	101,342	1/2	116,423	1/2	131,500	1/2	146,576
3/4	11,176	3/4	26,259	3/4	41,335	3/4	56,404	3/4	71,488	3/4	86,572	3/4	101,656	3/4	116,737	3/4	131,814	3/4	146,890
9	11,490	9	26,573	9	41,649	9	56,718	9	71,802	9	86,886	9	101,970	9	117,051	9	132,128	9	147,204
1/4	11,804	1/4	26,888	1/4	41,963	1/4	57,033	1/4	72,117	1/4	87,200	1/4	102,284	1/4	117,365	1/4	132,442	1/4	147,519
1/2	12,118	1/2	27,202	1/2	42,276	1/2	57,347	1/2	72,431	1/2	87,515	1/2	102,599	1/2	117,679	1/2	132,756	1/2	147,833
3/4	12,433	3/4	27,516	3/4	42,590	3/4	57,661	3/4	72,745	3/4	87,829	3/4	102,913	3/4	117,994	3/4	133,070	3/4	148,147
10	12,747	10	27,830	10	42,904	10	57,975	10	73,059	10	88,143	10	103,227	10	118,308	10	133,384	10	148,461
1/4	13,061	1/4	28,145	1/4	43,217	1/4	58,290	1/4	73,374	1/4	88,457	1/4	103,541	1/4	118,622	1/4	133,698	1/4	148,775
1/2	13,375	1/2	28,459	1/2	43,531	1/2	58,604	1/2	73,688	1/2	88,772	1/2	103,856	1/2	118,936	1/2	134,012	1/2	149,089
3/4	13,689	3/4	28,773	3/4	43,844	3/4	58,918	3/4	74,002	3/4	89,086	3/4	104,170	3/4	119,250	3/4	134,327	3/4	149,403
11	14,004	11	29,087	11	44,158	11	59,232	11	74,316	11	89,400	11	104,484	11	119,564	11	134,641	11	149,717
1/4	14,318	1/4	29,401	1/4	44,472	1/4	59,547	1/4	74,631	1/4	89,714	1/4	104,798	1/4	119,878	1/4	134,955	1/4	150,031
1/2	14,632	1/2	29,716	1/2	44,785	1/2	59,861	1/2	74,945	1/2	90,029	1/2	105,113	1/2	120,192	1/2	135,269	1/2	150,345
3/4	14,946	3/4	30,030	3/4	45,099	3/4	60,175	3/4	75,259	3/4	90,343	3/4	105,427	3/4	120,506	3/4	135,583	3/4	150,660

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 3130"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

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	150,974	0	166,050	0	181,125	0	196,157	0	211,102	0		0		0		0		0	
1/4	151,288	1/4	166,364	1/4	181,438	1/4	196,471	1/4	211,398	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,602	1/2	166,678	1/2	181,751	1/2	196,784	1/2	211,695	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,916	3/4	166,993	3/4	182,064	3/4	197,097	3/4	211,991	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	152,230	1	167,307	1	182,377	1	197,410	1	212,288	1	1	1	1	1	1	1	1	1	1
1/4	152,544	1/4	167,621	1/4	182,691	1/4	197,723	1/4	212,548	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,858	1/2	167,935	1/2	183,004	1/2	198,036	1/2	212,809	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,172	3/4	168,249	3/4	183,317	3/4	198,350	3/4	213,070	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	153,486	2	168,563	2	183,630	2	198,663	2	213,330	2	2	2	2	2	2	2	2	2	2
1/4	153,801	1/4	168,877	1/4	183,943	1/4	198,975	1/4	213,546	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,115	1/2	169,191	1/2	184,256	1/2	199,286	1/2	213,762	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,429	3/4	169,505	3/4	184,570	3/4	199,598	3/4	213,977	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	154,743	3	169,819	3	184,883	3	199,910	3	214,193	3	3	3	3	3	3	3	3	3	3
1/4	155,057	1/4	170,133	1/4	185,196	1/4	200,221	1/4	214,364	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,371	1/2	170,448	1/2	185,509	1/2	200,532	1/2	214,535	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,685	3/4	170,762	3/4	185,822	3/4	200,843	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	155,999	4	171,076	4	186,136	4	201,154	4		4	4	4	4	4	4	4	4	4	4
1/4	156,313	1/4	171,390	1/4	186,449	1/4	201,465	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,627	1/2	171,704	1/2	186,762	1/2	201,776	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,941	3/4	172,018	3/4	187,075	3/4	202,087	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	157,256	5	172,332	5	187,388	5	202,398	5	5	5	5	5	5	5	5	5	5	5	5
1/4	157,570	1/4	172,646	1/4	187,701	1/4	202,709	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,884	1/2	172,960	1/2	188,015	1/2	203,020	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,198	3/4	173,274	3/4	188,328	3/4	203,331	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	158,512	6	173,589	6	188,641	6	203,642	6	6	6	6	6	6	6	6	6	6	6	6
1/4	158,826	1/4	173,903	1/4	188,954	1/4	203,953	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,140	1/2	174,217	1/2	189,267	1/2	204,264	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,454	3/4	174,531	3/4	189,581	3/4	204,575	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	159,768	7	174,845	7	189,894	7	204,886	7	7	7	7	7	7	7	7	7	7	7	7
1/4	160,082	1/4	175,159	1/4	190,207	1/4	205,197	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,397	1/2	175,473	1/2	190,520	1/2	205,508	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,711	3/4	175,787	3/4	190,833	3/4	205,819	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	161,025	8	176,101	8	191,146	8	206,130	8	8	8	8	8	8	8	8	8	8	8	8
1/4	161,339	1/4	176,415	1/4	191,460	1/4	206,441	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,653	1/2	176,730	1/2	191,773	1/2	206,752	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,967	3/4	177,044	3/4	192,086	3/4	207,063	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	162,281	9	177,358	9	192,399	9	207,374	9	9	9	9	9	9	9	9	9	9	9	9
1/4	162,595	1/4	177,672	1/4	192,712	1/4	207,685	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,909	1/2	177,986	1/2	193,026	1/2	207,996	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,223	3/4	178,300	3/4	193,339	3/4	208,307	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	163,537	10	178,614	10	193,652	10	208,618	10	10	10	10	10	10	10	10	10	10	10	10
1/4	163,852	1/4	178,928	1/4	193,965	1/4	208,929	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,166	1/2	179,242	1/2	194,278	1/2	209,240	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,480	3/4	179,556	3/4	194,591	3/4	209,551	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	164,794	11	179,870	11	194,905	11	209,862	11	11	11	11	11	11	11	11	11	11	11	11
1/4	165,108	1/4	180,184	1/4	195,218	1/4	210,172	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,422	1/2	180,498	1/2	195,531	1/2	210,482	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,736	3/4	180,811	3/4	195,844	3/4	210,792	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.

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ALL PRIOR TO 09/2012

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



BARGE "GBL 3130"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

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	15,263	0	30,348	0	45,418	0	60,296	0	75,102	0	90,097	0	105,183	0	120,264	0	135,343
1/4	853	1/4	15,577	1/4	30,662	1/4	45,732	1/4	60,604	1/4	75,410	1/4	90,412	1/4	105,497	1/4	120,578	1/4	135,657
1/2	1,076	1/2	15,891	1/2	30,976	1/2	46,046	1/2	60,913	1/2	75,719	1/2	90,726	1/2	105,812	1/2	120,893	1/2	135,971
3/4	1,299	3/4	16,205	3/4	31,291	3/4	46,359	3/4	61,221	3/4	76,027	3/4	91,040	3/4	106,126	3/4	121,207	3/4	136,285
1	1,521	1	16,520	1	31,605	1	46,673	1	61,530	1	76,336	1	91,355	1	106,440	1	121,521	1	136,599
1/4	1,815	1/4	16,834	1/4	31,919	1/4	46,987	1/4	61,838	1/4	76,644	1/4	91,669	1/4	106,755	1/4	121,835	1/4	136,913
1/2	2,108	1/2	17,148	1/2	32,234	1/2	47,300	1/2	62,146	1/2	76,953	1/2	91,983	1/2	107,069	1/2	122,149	1/2	137,228
3/4	2,402	3/4	17,462	3/4	32,548	3/4	47,614	3/4	62,455	3/4	77,261	3/4	92,297	3/4	107,383	3/4	122,463	3/4	137,542
2	2,696	2	17,777	2	32,862	2	47,928	2	62,763	2	77,570	2	92,612	2	107,697	2	122,777	2	137,856
1/4	3,009	1/4	18,091	1/4	33,176	1/4	48,242	1/4	63,072	1/4	77,878	1/4	92,926	1/4	108,012	1/4	123,091	1/4	138,170
1/2	3,323	1/2	18,405	1/2	33,491	1/2	48,555	1/2	63,380	1/2	78,187	1/2	93,240	1/2	108,326	1/2	123,406	1/2	138,484
3/4	3,636	3/4	18,720	3/4	33,805	3/4	48,869	3/4	63,689	3/4	78,495	3/4	93,555	3/4	108,640	3/4	123,720	3/4	138,798
3	3,949	3	19,034	3	34,119	3	49,183	3	63,997	3	78,803	3	93,869	3	108,955	3	124,034	3	139,112
1/4	4,263	1/4	19,348	1/4	34,433	1/4	49,493	1/4	64,306	1/4	79,114	1/4	94,183	1/4	109,269	1/4	124,348	1/4	139,426
1/2	4,578	1/2	19,662	1/2	34,748	1/2	49,804	1/2	64,614	1/2	79,424	1/2	94,497	1/2	109,583	1/2	124,662	1/2	139,741
3/4	4,892	3/4	19,977	3/4	35,062	3/4	50,114	3/4	64,923	3/4	79,734	3/4	94,812	3/4	109,897	3/4	124,976	3/4	140,055
4	5,206	4	20,291	4	35,376	4	50,425	4	65,231	4	80,045	4	95,126	4	110,212	4	125,290	4	140,369
1/4	5,520	1/4	20,605	1/4	35,691	1/4	50,733	1/4	65,540	1/4	80,358	1/4	95,440	1/4	110,526	1/4	125,605	1/4	140,683
1/2	5,834	1/2	20,920	1/2	36,005	1/2	51,042	1/2	65,848	1/2	80,671	1/2	95,755	1/2	110,840	1/2	125,919	1/2	140,997
3/4	6,148	3/4	21,234	3/4	36,319	3/4	51,350	3/4	66,156	3/4	80,984	3/4	96,069	3/4	111,154	3/4	126,233	3/4	141,311
5	6,463	5	21,548	5	36,633	5	51,659	5	66,465	5	81,297	5	96,383	5	111,469	5	126,547	5	141,625
1/4	6,777	1/4	21,862	1/4	36,947	1/4	51,967	1/4	66,773	1/4	81,612	1/4	96,697	1/4	111,783	1/4	126,861	1/4	141,940
1/2	7,091	1/2	22,177	1/2	37,261	1/2	52,276	1/2	67,082	1/2	81,926	1/2	97,012	1/2	112,097	1/2	127,175	1/2	142,254
3/4	7,406	3/4	22,491	3/4	37,575	3/4	52,584	3/4	67,390	3/4	82,240	3/4	97,326	3/4	112,411	3/4	127,489	3/4	142,568
6	7,720	6	22,805	6	37,889	6	52,893	6	67,699	6	82,554	6	97,640	6	112,725	6	127,803	6	142,882
1/4	8,034	1/4	23,119	1/4	38,203	1/4	53,201	1/4	68,007	1/4	82,869	1/4	97,955	1/4	113,039	1/4	128,118	1/4	143,196
1/2	8,348	1/2	23,434	1/2	38,517	1/2	53,510	1/2	68,316	1/2	83,183	1/2	98,269	1/2	113,353	1/2	128,432	1/2	143,510
3/4	8,663	3/4	23,748	3/4	38,831	3/4	53,818	3/4	68,624	3/4	83,497	3/4	98,583	3/4	113,667	3/4	128,746	3/4	143,824
7	8,977	7	24,062	7	39,144	7	54,126	7	68,933	7	83,812	7	98,897	7	113,982	7	129,060	7	144,138
1/4	9,291	1/4	24,377	1/4	39,458	1/4	54,435	1/4	69,241	1/4	84,126	1/4	99,212	1/4	114,296	1/4	129,374	1/4	144,453
1/2	9,606	1/2	24,691	1/2	39,772	1/2	54,743	1/2	69,550	1/2	84,440	1/2	99,526	1/2	114,610	1/2	129,688	1/2	144,767
3/4	9,920	3/4	25,005	3/4	40,085	3/4	55,052	3/4	69,858	3/4	84,755	3/4	99,840	3/4	114,924	3/4	130,002	3/4	145,081
8	10,234	8	25,319	8	40,399	8	55,360	8	70,166	8	85,069	8	100,155	8	115,238	8	130,317	8	145,395
1/4	10,548	1/4	25,634	1/4	40,713	1/4	55,669	1/4	70,475	1/4	85,383	1/4	100,469	1/4	115,552	1/4	130,631	1/4	145,709
1/2	10,863	1/2	25,948	1/2	41,027	1/2	55,977	1/2	70,783	1/2	85,697	1/2	100,783	1/2	115,866	1/2	130,945	1/2	146,023
3/4	11,177	3/4	26,262	3/4	41,340	3/4	56,286	3/4	71,092	3/4	86,012	3/4	101,097	3/4	116,181	3/4	131,259	3/4	146,337
9	11,491	9	26,577	9	41,654	9	56,594	9	71,400	9	86,326	9	101,412	9	116,495	9	131,573	9	146,652
1/4	11,805	1/4	26,891	1/4	41,968	1/4	56,903	1/4	71,709	1/4	86,640	1/4	101,726	1/4	116,809	1/4	131,887	1/4	146,966
1/2	12,120	1/2	27,205	1/2	42,281	1/2	57,211	1/2	72,017	1/2	86,955	1/2	102,040	1/2	117,123	1/2	132,201	1/2	147,280
3/4	12,434	3/4	27,519	3/4	42,595	3/4	57,520	3/4	72,326	3/4	87,269	3/4	102,355	3/4	117,437	3/4	132,515	3/4	147,594
10	12,748	10	27,834	10	42,909	10	57,828	10	72,634	10	87,583	10	102,669	10	117,751	10	132,830	10	147,908
1/4	13,063	1/4	28,148	1/4	43,222	1/4	58,136	1/4	72,943	1/4	87,897	1/4	102,983	1/4	118,065	1/4	133,144	1/4	148,222
1/2	13,377	1/2	28,462	1/2	43,536	1/2	58,445	1/2	73,251	1/2	88,212	1/2	103,297	1/2	118,379	1/2	133,458	1/2	148,536
3/4	13,691	3/4	28,776	3/4	43,850	3/4	58,753	3/4	73,560	3/4	88,526	3/4	103,612	3/4	118,694	3/4	133,772	3/4	148,850
11	14,005	11	29,091	11	44,163	11	59,062	11	73,868	11	88,840	11	103,926	11	119,008	11	134,086	11	149,165
1/4	14,320	1/4	29,405	1/4	44,477	1/4	59,370	1/4	74,177	1/4	89,155	1/4	104,240	1/4	119,322	1/4	134,400	1/4	149,479
1/2	14,634	1/2	29,719	1/2	44,791	1/2	59,679	1/2	74,485	1/2	89,469	1/2	104,555	1/2	119,636	1/2	134,714	1/2	149,793
3/4	14,948	3/4	30,034	3/4	45,105	3/4	59,987	3/4	74,793	3/4	89,783	3/4	104,869	3/4	119,950	3/4	135,029	3/4	150,107

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 3130"

**2 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GUAGE HEIGHT 15'-11"

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	150,421	0	165,500	0	180,576	0	195,610	0	210,557	0		0		0		0		0	
1/4	150,735	1/4	165,814	1/4	180,889	1/4	195,924	1/4	210,853	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,049	1/2	166,128	1/2	181,202	1/2	196,237	1/2	211,150	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,364	3/4	166,442	3/4	181,515	3/4	196,550	3/4	211,446	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	151,678	1	166,756	1	181,829	1	196,863	1	211,743	1	1	1	1	1	1	1	1	1	1
1/4	151,992	1/4	167,070	1/4	182,142	1/4	197,176	1/4	212,003	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,306	1/2	167,384	1/2	182,455	1/2	197,490	1/2	212,264	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,620	3/4	167,699	3/4	182,768	3/4	197,803	3/4	212,525	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	152,934	2	168,013	2	183,082	2	198,116	2	212,785	2	2	2	2	2	2	2	2	2	2
1/4	153,248	1/4	168,327	1/4	183,395	1/4	198,428	1/4	213,001	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,562	1/2	168,641	1/2	183,708	1/2	198,740	1/2	213,217	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,877	3/4	168,955	3/4	184,021	3/4	199,052	3/4	213,433	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	154,191	3	169,269	3	184,334	3	199,364	3	213,648	3	3	3	3	3	3	3	3	3	3
1/4	154,505	1/4	169,583	1/4	184,648	1/4	199,675	1/4	213,819	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,819	1/2	169,897	1/2	184,961	1/2	199,986	1/2	213,990	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,133	3/4	170,212	3/4	185,274	3/4	200,297	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	155,447	4	170,526	4	185,587	4	200,608	4		4	4	4	4	4	4	4	4	4	4
1/4	155,761	1/4	170,840	1/4	185,901	1/4	200,919	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,076	1/2	171,154	1/2	186,214	1/2	201,230	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,390	3/4	171,468	3/4	186,527	3/4	201,541	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	156,704	5	171,782	5	186,840	5	201,852	5		5	5	5	5	5	5	5	5	5	5
1/4	157,018	1/4	172,096	1/4	187,153	1/4	202,163	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,332	1/2	172,411	1/2	187,467	1/2	202,474	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,646	3/4	172,725	3/4	187,780	3/4	202,785	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	157,960	6	173,039	6	188,093	6	203,096	6		6	6	6	6	6	6	6	6	6	6
1/4	158,274	1/4	173,353	1/4	188,406	1/4	203,407	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,589	1/2	173,667	1/2	188,719	1/2	203,718	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,903	3/4	173,981	3/4	189,033	3/4	204,029	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	159,217	7	174,295	7	189,346	7	204,340	7		7	7	7	7	7	7	7	7	7	7
1/4	159,531	1/4	174,609	1/4	189,659	1/4	204,651	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,845	1/2	174,924	1/2	189,972	1/2	204,962	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,159	3/4	175,238	3/4	190,286	3/4	205,273	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	160,473	8	175,552	8	190,599	8	205,584	8		8	8	8	8	8	8	8	8	8	8
1/4	160,788	1/4	175,866	1/4	190,912	1/4	205,895	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,102	1/2	176,180	1/2	191,225	1/2	206,206	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,416	3/4	176,494	3/4	191,538	3/4	206,517	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	161,730	9	176,808	9	191,852	9	206,828	9		9	9	9	9	9	9	9	9	9	9
1/4	162,044	1/4	177,123	1/4	192,165	1/4	207,139	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,358	1/2	177,437	1/2	192,478	1/2	207,450	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,672	3/4	177,751	3/4	192,791	3/4	207,762	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	162,987	10	178,065	10	193,105	10	208,073	10		10	10	10	10	10	10	10	10	10	10
1/4	163,301	1/4	178,379	1/4	193,418	1/4	208,384	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,615	1/2	178,693	1/2	193,731	1/2	208,694	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,929	3/4	179,007	3/4	194,044	3/4	209,005	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	164,243	11	179,321	11	194,357	11	209,316	11		11	11	11	11	11	11	11	11	11	11
1/4	164,557	1/4	179,635	1/4	194,671	1/4	209,626	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,871	1/2	179,949	1/2	194,984	1/2	209,936	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,185	3/4	180,262	3/4	195,297	3/4	210,247	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: 09/24/2012 CL - SW
CALCULATED: 09/24/2012 CL
PRINTED: 09/24/2012 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 3130"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-10 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	628	0	15,190	0	30,204	0	45,203	0	60,209	0	75,224	0	90,238	0	105,252	0	120,252	0	135,247
1/4	849	1/4	15,503	1/4	30,517	1/4	45,515	1/4	60,522	1/4	75,536	1/4	90,550	1/4	105,565	1/4	120,565	1/4	135,559
1/2	1,071	1/2	15,816	1/2	30,829	1/2	45,827	1/2	60,835	1/2	75,849	1/2	90,863	1/2	105,877	1/2	120,877	1/2	135,872
3/4	1,293	3/4	16,129	3/4	31,142	3/4	46,139	3/4	61,148	3/4	76,162	3/4	91,176	3/4	106,190	3/4	121,190	3/4	136,184
1	1,514	1	16,441	1	31,455	1	46,451	1	61,461	1	76,475	1	91,489	1	106,503	1	121,502	1	136,497
1/4	1,806	1/4	16,754	1/4	31,768	1/4	46,764	1/4	61,773	1/4	76,788	1/4	91,802	1/4	106,816	1/4	121,814	1/4	136,809
1/2	2,099	1/2	17,067	1/2	32,081	1/2	47,076	1/2	62,086	1/2	77,100	1/2	92,114	1/2	107,129	1/2	122,127	1/2	137,121
3/4	2,391	3/4	17,380	3/4	32,393	3/4	47,388	3/4	62,399	3/4	77,413	3/4	92,427	3/4	107,441	3/4	122,439	3/4	137,434
2	2,683	2	17,692	2	32,706	2	47,700	2	62,712	2	77,726	2	92,740	2	107,754	2	122,752	2	137,746
1/4	2,995	1/4	18,005	1/4	33,019	1/4	48,013	1/4	63,025	1/4	78,039	1/4	93,053	1/4	108,067	1/4	123,064	1/4	138,059
1/2	3,307	1/2	18,318	1/2	33,332	1/2	48,325	1/2	63,337	1/2	78,352	1/2	93,366	1/2	108,380	1/2	123,376	1/2	138,371
3/4	3,619	3/4	18,631	3/4	33,644	3/4	48,637	3/4	63,650	3/4	78,664	3/4	93,678	3/4	108,693	3/4	123,689	3/4	138,683
3	3,931	3	18,944	3	33,957	3	48,949	3	63,963	3	78,977	3	93,991	3	109,005	3	124,001	3	138,996
1/4	4,243	1/4	19,256	1/4	34,270	1/4	49,262	1/4	64,276	1/4	79,290	1/4	94,304	1/4	109,318	1/4	124,313	1/4	139,308
1/2	4,556	1/2	19,569	1/2	34,583	1/2	49,575	1/2	64,589	1/2	79,603	1/2	94,617	1/2	109,631	1/2	124,626	1/2	139,621
3/4	4,869	3/4	19,882	3/4	34,896	3/4	49,887	3/4	64,901	3/4	79,915	3/4	94,930	3/4	109,943	3/4	124,938	3/4	139,933
4	5,181	4	20,195	4	35,208	4	50,200	4	65,214	4	80,228	4	95,242	4	110,256	4	125,251	4	140,245
1/4	5,494	1/4	20,508	1/4	35,521	1/4	50,513	1/4	65,527	1/4	80,541	1/4	95,555	1/4	110,568	1/4	125,563	1/4	140,558
1/2	5,807	1/2	20,820	1/2	35,834	1/2	50,826	1/2	65,840	1/2	80,854	1/2	95,868	1/2	110,881	1/2	125,875	1/2	140,870
3/4	6,119	3/4	21,133	3/4	36,147	3/4	51,138	3/4	66,153	3/4	81,167	3/4	96,181	3/4	111,193	3/4	126,188	3/4	141,182
5	6,432	5	21,446	5	36,460	5	51,451	5	66,465	5	81,479	5	96,494	5	111,506	5	126,500	5	141,495
1/4	6,745	1/4	21,759	1/4	36,772	1/4	51,764	1/4	66,778	1/4	81,792	1/4	96,806	1/4	111,818	1/4	126,813	1/4	141,807
1/2	7,058	1/2	22,071	1/2	37,085	1/2	52,077	1/2	67,091	1/2	82,105	1/2	97,119	1/2	112,130	1/2	127,125	1/2	142,120
3/4	7,371	3/4	22,384	3/4	37,397	3/4	52,390	3/4	67,404	3/4	82,418	3/4	97,432	3/4	112,443	3/4	127,437	3/4	142,432
6	7,683	6	22,697	6	37,710	6	52,702	6	67,716	6	82,731	6	97,745	6	112,755	6	127,750	6	142,744
1/4	7,996	1/4	23,010	1/4	38,022	1/4	53,015	1/4	68,029	1/4	83,043	1/4	98,058	1/4	113,067	1/4	128,062	1/4	143,052
1/2	8,309	1/2	23,323	1/2	38,334	1/2	53,328	1/2	68,342	1/2	83,356	1/2	98,370	1/2	113,380	1/2	128,375	1/2	143,361
3/4	8,622	3/4	23,635	3/4	38,646	3/4	53,641	3/4	68,655	3/4	83,669	3/4	98,683	3/4	113,692	3/4	128,687	3/4	143,669
7	8,934	7	23,948	7	38,959	7	53,954	7	68,968	7	83,982	7	98,996	7	114,005	7	128,999	7	143,977
1/4	9,247	1/4	24,261	1/4	39,271	1/4	54,266	1/4	69,280	1/4	84,295	1/4	99,309	1/4	114,317	1/4	129,312	1/4	144,272
1/2	9,560	1/2	24,574	1/2	39,583	1/2	54,579	1/2	69,593	1/2	84,607	1/2	99,622	1/2	114,629	1/2	129,624	1/2	144,568
3/4	9,873	3/4	24,887	3/4	39,895	3/4	54,892	3/4	69,906	3/4	84,920	3/4	99,934	3/4	114,942	3/4	129,936	3/4	144,864
8	10,186	8	25,199	8	40,207	8	55,205	8	70,219	8	85,233	8	100,247	8	115,254	8	130,249	8	145,159
1/4	10,498	1/4	25,512	1/4	40,520	1/4	55,517	1/4	70,532	1/4	85,546	1/4	100,560	1/4	115,567	1/4	130,561	1/4	145,440
1/2	10,811	1/2	25,825	1/2	40,832	1/2	55,830	1/2	70,844	1/2	85,859	1/2	100,873	1/2	115,879	1/2	130,874	1/2	145,722
3/4	11,124	3/4	26,138	3/4	41,144	3/4	56,143	3/4	71,157	3/4	86,171	3/4	101,186	3/4	116,191	3/4	131,186	3/4	146,003
9	11,437	9	26,450	9	41,456	9	56,456	9	71,470	9	86,484	9	101,498	9	116,504	9	131,498	9	146,284
1/4	11,750	1/4	26,763	1/4	41,768	1/4	56,769	1/4	71,783	1/4	86,797	1/4	101,811	1/4	116,816	1/4	131,811	1/4	146,551
1/2	12,062	1/2	27,076	1/2	42,081	1/2	57,081	1/2	72,096	1/2	87,110	1/2	102,124	1/2	117,129	1/2	132,123	1/2	146,819
3/4	12,375	3/4	27,389	3/4	42,393	3/4	57,394	3/4	72,408	3/4	87,423	3/4	102,437	3/4	117,441	3/4	132,436	3/4	147,086
10	12,688	10	27,702	10	42,705	10	57,707	10	72,721	10	87,735	10	102,749	10	117,753	10	132,748	10	147,353
1/4	13,001	1/4	28,014	1/4	43,017	1/4	58,020	1/4	73,034	1/4	88,048	1/4	103,062	1/4	118,066	1/4	133,060	1/4	147,607
1/2	13,313	1/2	28,327	1/2	43,329	1/2	58,333	1/2	73,347	1/2	88,361	1/2	103,375	1/2	118,378	1/2	133,373	1/2	147,861
3/4	13,626	3/4	28,640	3/4	43,642	3/4	58,645	3/4	73,660	3/4	88,674	3/4	103,688	3/4	118,690	3/4	133,685	3/4	148,114
11	13,939	11	28,953	11	43,954	11	58,958	11	73,972	11	88,987	11	104,001	11	119,003	11	133,998	11	148,368
1/4	14,252	1/4	29,266	1/4	44,266	1/4	59,271	1/4	74,285	1/4	89,299	1/4	104,313	1/4	119,315	1/4	134,310	1/4	148,608
1/2	14,565	1/2	29,578	1/2	44,578	1/2	59,584	1/2	74,598	1/2	89,612	1/2	104,626	1/2	119,628	1/2	134,622	1/2	148,848
3/4	14,877	3/4	29,891	3/4	44,890	3/4	59,897	3/4	74,911	3/4	89,925	3/4	104,939	3/4	119,940	3/4	134,935	3/4	149,088

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'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "GBL 3130"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-10 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	149,328	0	159,746	0	170,113	0	180,453	0	190,733	0		0		0		0		0	
1/4	149,554	1/4	159,962	1/4	170,329	1/4	180,669	1/4	190,937	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	149,780	1/2	160,178	1/2	170,544	1/2	180,884	1/2	191,141	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	150,007	3/4	160,394	3/4	170,760	3/4	181,100	3/4	191,345	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	150,233	1	160,610	1	170,975	1	181,315	1	191,549	1	1	1	1	1	1	1	1	1	1
1/4	150,451	1/4	160,826	1/4	171,190	1/4	181,531	1/4	191,728	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	150,669	1/2	161,042	1/2	171,406	1/2	181,746	1/2	191,907	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	150,887	3/4	161,258	3/4	171,621	3/4	181,961	3/4	192,086	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	151,104	2	161,474	2	171,837	2	182,177	2	192,266	2	2	2	2	2	2	2	2	2	2
1/4	151,320	1/4	161,690	1/4	172,052	1/4	182,391	1/4	192,414	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,536	1/2	161,906	1/2	172,267	1/2	182,606	1/2	192,562	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,752	3/4	162,122	3/4	172,483	3/4	182,820	3/4	192,711	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	151,969	3	162,338	3	172,698	3	183,035	3	192,859	3	3	3	3	3	3	3	3	3	3
1/4	152,185	1/4	162,554	1/4	172,914	1/4	183,249	1/4	192,977	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,401	1/2	162,770	1/2	173,129	1/2	183,463	1/2	193,094	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,617	3/4	162,986	3/4	173,345	3/4	183,676	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	152,833	4	163,202	4	173,560	4	183,890	4		4	4	4	4	4	4	4	4	4	4
1/4	153,049	1/4	163,418	1/4	173,775	1/4	184,104	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,265	1/2	163,634	1/2	173,991	1/2	184,318	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,481	3/4	163,850	3/4	174,206	3/4	184,532	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	153,697	5	164,066	5	174,422	5	184,746	5		5	5	5	5	5	5	5	5	5	5
1/4	153,913	1/4	164,282	1/4	174,637	1/4	184,960	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,129	1/2	164,498	1/2	174,853	1/2	185,174	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,345	3/4	164,714	3/4	175,068	3/4	185,388	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	154,561	6	164,930	6	175,283	6	185,602	6		6	6	6	6	6	6	6	6	6	6
1/4	154,777	1/4	165,146	1/4	175,499	1/4	185,816	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,993	1/2	165,362	1/2	175,714	1/2	186,029	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,209	3/4	165,578	3/4	175,930	3/4	186,243	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	155,425	7	165,794	7	176,145	7	186,457	7		7	7	7	7	7	7	7	7	7	7
1/4	155,641	1/4	166,010	1/4	176,360	1/4	186,671	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,857	1/2	166,226	1/2	176,576	1/2	186,885	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,073	3/4	166,442	3/4	176,791	3/4	187,099	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	156,289	8	166,658	8	177,007	8	187,313	8		8	8	8	8	8	8	8	8	8	8
1/4	156,505	1/4	166,874	1/4	177,222	1/4	187,527	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,721	1/2	167,090	1/2	177,438	1/2	187,741	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,937	3/4	167,306	3/4	177,653	3/4	187,955	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	157,153	9	167,522	9	177,868	9	188,169	9		9	9	9	9	9	9	9	9	9	9
1/4	157,369	1/4	167,739	1/4	178,084	1/4	188,383	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,585	1/2	167,955	1/2	178,299	1/2	188,596	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,801	3/4	168,171	3/4	178,515	3/4	188,810	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	158,017	10	168,387	10	178,730	10	189,024	10		10	10	10	10	10	10	10	10	10	10
1/4	158,233	1/4	168,603	1/4	178,945	1/4	189,238	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,449	1/2	168,819	1/2	179,161	1/2	189,452	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,665	3/4	169,035	3/4	179,376	3/4	189,666	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	158,881	11	169,251	11	179,592	11	189,880	11		11	11	11	11	11	11	11	11	11	11
1/4	159,097	1/4	169,466	1/4	179,807	1/4	190,093	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,313	1/2	169,682	1/2	180,023	1/2	190,306	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,529	3/4	169,898	3/4	180,238	3/4	190,519	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: 09/24/2012 CL - SW
CALCULATED: 09/24/2012 CL
PRINTED: 09/24/2012 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 3130"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

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	15,175	0	30,161	0	45,133	0	59,736	0	74,579	0	89,431	0	104,415	0	119,376	0	134,338
1/4	849	1/4	15,487	1/4	30,473	1/4	45,445	1/4	60,037	1/4	74,889	1/4	89,743	1/4	104,727	1/4	119,688	1/4	134,649
1/2	1,071	1/2	15,799	1/2	30,785	1/2	45,756	1/2	60,338	1/2	75,198	1/2	90,055	1/2	105,040	1/2	120,000	1/2	134,961
3/4	1,292	3/4	16,112	3/4	31,097	3/4	46,068	3/4	60,639	3/4	75,507	3/4	90,367	3/4	105,352	3/4	120,311	3/4	135,273
1	1,514	1	16,424	1	31,410	1	46,380	1	60,940	1	75,816	1	90,680	1	105,664	1	120,623	1	135,585
1/4	1,806	1/4	16,736	1/4	31,722	1/4	46,691	1/4	61,242	1/4	76,126	1/4	90,992	1/4	105,976	1/4	120,934	1/4	135,896
1/2	2,098	1/2	17,048	1/2	32,034	1/2	47,003	1/2	61,545	1/2	76,435	1/2	91,304	1/2	106,288	1/2	121,246	1/2	136,208
3/4	2,390	3/4	17,361	3/4	32,346	3/4	47,315	3/4	61,847	3/4	76,744	3/4	91,616	3/4	106,600	3/4	121,558	3/4	136,520
2	2,683	2	17,673	2	32,658	2	47,626	2	62,149	2	77,053	2	91,928	2	106,913	2	121,870	2	136,831
1/4	2,994	1/4	17,985	1/4	32,971	1/4	47,938	1/4	62,453	1/4	77,363	1/4	92,240	1/4	107,225	1/4	122,181	1/4	137,143
1/2	3,306	1/2	18,297	1/2	33,283	1/2	48,250	1/2	62,757	1/2	77,672	1/2	92,553	1/2	107,537	1/2	122,493	1/2	137,455
3/4	3,618	3/4	18,609	3/4	33,595	3/4	48,561	3/4	63,061	3/4	77,981	3/4	92,865	3/4	107,849	3/4	122,805	3/4	137,766
3	3,930	3	18,922	3	33,907	3	48,873	3	63,366	3	78,290	3	93,177	3	108,161	3	123,116	3	138,078
1/4	4,243	1/4	19,234	1/4	34,220	1/4	49,180	1/4	63,675	1/4	78,600	1/4	93,489	1/4	108,473	1/4	123,428	1/4	138,390
1/2	4,555	1/2	19,546	1/2	34,532	1/2	49,486	1/2	63,984	1/2	78,909	1/2	93,801	1/2	108,785	1/2	123,740	1/2	138,702
3/4	4,868	3/4	19,858	3/4	34,844	3/4	49,792	3/4	64,294	3/4	79,218	3/4	94,114	3/4	109,097	3/4	124,051	3/4	139,013
4	5,180	4	20,170	4	35,156	4	50,098	4	64,603	4	79,527	4	94,426	4	109,409	4	124,363	4	139,325
1/4	5,493	1/4	20,482	1/4	35,469	1/4	50,400	1/4	64,915	1/4	79,837	1/4	94,738	1/4	109,721	1/4	124,675	1/4	139,637
1/2	5,806	1/2	20,794	1/2	35,781	1/2	50,702	1/2	65,227	1/2	80,146	1/2	95,050	1/2	110,032	1/2	124,987	1/2	139,948
3/4	6,118	3/4	21,106	3/4	36,093	3/4	51,004	3/4	65,539	3/4	80,455	3/4	95,362	3/4	110,344	3/4	125,298	3/4	140,260
5	6,431	5	21,418	5	36,405	5	51,306	5	65,851	5	80,764	5	95,674	5	110,656	5	125,610	5	140,572
1/4	6,744	1/4	21,730	1/4	36,717	1/4	51,607	1/4	66,163	1/4	81,074	1/4	95,987	1/4	110,967	1/4	125,922	1/4	140,883
1/2	7,056	1/2	22,043	1/2	37,029	1/2	51,908	1/2	66,475	1/2	81,383	1/2	96,299	1/2	111,279	1/2	126,233	1/2	141,195
3/4	7,369	3/4	22,355	3/4	37,341	3/4	52,209	3/4	66,787	3/4	81,692	3/4	96,611	3/4	111,590	3/4	126,545	3/4	141,507
6	7,681	6	22,667	6	37,653	6	52,510	6	67,099	6	82,001	6	96,923	6	111,901	6	126,857	6	141,819
1/4	7,993	1/4	22,979	1/4	37,965	1/4	52,811	1/4	67,411	1/4	82,311	1/4	97,235	1/4	112,213	1/4	127,169	1/4	142,126
1/2	8,306	1/2	23,291	1/2	38,277	1/2	53,112	1/2	67,722	1/2	82,620	1/2	97,547	1/2	112,524	1/2	127,480	1/2	142,433
3/4	8,618	3/4	23,604	3/4	38,588	3/4	53,413	3/4	68,034	3/4	82,929	3/4	97,860	3/4	112,836	3/4	127,792	3/4	142,741
7	8,930	7	23,916	7	38,900	7	53,714	7	68,346	7	83,239	7	98,172	7	113,147	7	128,104	7	143,048
1/4	9,242	1/4	24,228	1/4	39,212	1/4	54,015	1/4	68,658	1/4	83,548	1/4	98,484	1/4	113,459	1/4	128,415	1/4	143,343
1/2	9,555	1/2	24,540	1/2	39,523	1/2	54,316	1/2	68,970	1/2	83,857	1/2	98,796	1/2	113,770	1/2	128,727	1/2	143,638
3/4	9,867	3/4	24,853	3/4	39,835	3/4	54,617	3/4	69,282	3/4	84,166	3/4	99,108	3/4	114,082	3/4	129,039	3/4	143,933
8	10,179	8	25,165	8	40,147	8	54,919	8	69,594	8	84,476	8	99,420	8	114,393	8	129,350	8	144,228
1/4	10,491	1/4	25,477	1/4	40,458	1/4	55,220	1/4	69,906	1/4	84,785	1/4	99,733	1/4	114,705	1/4	129,662	1/4	144,509
1/2	10,804	1/2	25,789	1/2	40,770	1/2	55,521	1/2	70,218	1/2	85,094	1/2	100,045	1/2	115,016	1/2	129,974	1/2	144,789
3/4	11,116	3/4	26,101	3/4	41,082	3/4	55,822	3/4	70,530	3/4	85,403	3/4	100,357	3/4	115,327	3/4	130,286	3/4	145,069
9	11,428	9	26,414	9	41,393	9	56,123	9	70,842	9	85,713	9	100,669	9	115,639	9	130,597	9	145,350
1/4	11,740	1/4	26,726	1/4	41,705	1/4	56,424	1/4	71,154	1/4	86,022	1/4	100,981	1/4	115,950	1/4	130,909	1/4	145,617
1/2	12,053	1/2	27,038	1/2	42,016	1/2	56,725	1/2	71,466	1/2	86,331	1/2	101,293	1/2	116,262	1/2	131,221	1/2	145,883
3/4	12,365	3/4	27,350	3/4	42,328	3/4	57,026	3/4	71,778	3/4	86,640	3/4	101,606	3/4	116,573	3/4	131,532	3/4	146,150
10	12,677	10	27,663	10	42,640	10	57,327	10	72,090	10	86,950	10	101,918	10	116,885	10	131,844	10	146,416
1/4	12,989	1/4	27,975	1/4	42,951	1/4	57,628	1/4	72,402	1/4	87,259	1/4	102,230	1/4	117,196	1/4	132,156	1/4	146,670
1/2	13,302	1/2	28,287	1/2	43,263	1/2	57,929	1/2	72,714	1/2	87,568	1/2	102,542	1/2	117,508	1/2	132,467	1/2	146,923
3/4	13,614	3/4	28,599	3/4	43,575	3/4	58,230	3/4	73,026	3/4	87,877	3/4	102,854	3/4	117,819	3/4	132,779	3/4	147,176
11	13,926	11	28,912	11	43,886	11	58,531	11	73,338	11	88,187	11	103,167	11	118,130	11	133,091	11	147,430
1/4	14,238	1/4	29,224	1/4	44,198	1/4	58,833	1/4	73,648	1/4	88,498	1/4	103,479	1/4	118,442	1/4	133,403	1/4	147,670
1/2	14,551	1/2	29,536	1/2	44,510	1/2	59,134	1/2	73,959	1/2	88,809	1/2	103,791	1/2	118,753	1/2	133,714	1/2	147,909
3/4	14,863	3/4	29,848	3/4	44,821	3/4	59,435	3/4	74,269	3/4	89,120	3/4	104,103	3/4	119,065	3/4	134,026	3/4	148,149

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'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "GBL 3130"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

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	148,389	0	158,804	0	169,169	0	179,507	0	189,784	0		0		0		0		0	
1/4	148,615	1/4	159,020	1/4	169,384	1/4	179,722	1/4	189,988	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	148,841	1/2	159,236	1/2	169,600	1/2	179,938	1/2	190,192	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	149,067	3/4	159,452	3/4	169,815	3/4	180,153	3/4	190,396	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	149,293	1	159,668	1	170,031	1	180,368	1	190,600	1	1	1	1	1	1	1	1	1	1
1/4	149,511	1/4	159,884	1/4	170,246	1/4	180,584	1/4	190,779	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	149,729	1/2	160,100	1/2	170,461	1/2	180,799	1/2	190,958	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	149,947	3/4	160,315	3/4	170,677	3/4	181,015	3/4	191,137	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	150,164	2	160,531	2	170,892	2	181,230	2	191,316	2	2	2	2	2	2	2	2	2	2
1/4	150,380	1/4	160,747	1/4	171,107	1/4	181,444	1/4	191,465	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	150,596	1/2	160,963	1/2	171,323	1/2	181,659	1/2	191,613	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	150,812	3/4	161,179	3/4	171,538	3/4	181,873	3/4	191,762	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	151,028	3	161,395	3	171,754	3	182,088	3	191,910	3	3	3	3	3	3	3	3	3	3
1/4	151,244	1/4	161,611	1/4	171,969	1/4	182,302	1/4	192,027	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,460	1/2	161,827	1/2	172,184	1/2	182,515	1/2	192,145	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,676	3/4	162,043	3/4	172,400	3/4	182,729	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	151,892	4	162,259	4	172,615	4	182,943	4		4	4	4	4	4	4	4	4	4	4
1/4	152,108	1/4	162,475	1/4	172,830	1/4	183,157	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,324	1/2	162,691	1/2	173,046	1/2	183,371	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,540	3/4	162,907	3/4	173,261	3/4	183,585	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	152,756	5	163,123	5	173,477	5	183,799	5		5	5	5	5	5	5	5	5	5	5
1/4	152,972	1/4	163,339	1/4	173,692	1/4	184,012	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,188	1/2	163,555	1/2	173,907	1/2	184,226	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,404	3/4	163,771	3/4	174,123	3/4	184,440	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	153,620	6	163,987	6	174,338	6	184,654	6		6	6	6	6	6	6	6	6	6	6
1/4	153,836	1/4	164,203	1/4	174,553	1/4	184,868	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,052	1/2	164,419	1/2	174,769	1/2	185,082	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,268	3/4	164,635	3/4	174,984	3/4	185,296	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	154,484	7	164,851	7	175,200	7	185,509	7		7	7	7	7	7	7	7	7	7	7
1/4	154,700	1/4	165,067	1/4	175,415	1/4	185,723	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,916	1/2	165,283	1/2	175,630	1/2	185,937	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,132	3/4	165,499	3/4	175,846	3/4	186,151	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	155,348	8	165,715	8	176,061	8	186,365	8		8	8	8	8	8	8	8	8	8	8
1/4	155,564	1/4	165,931	1/4	176,276	1/4	186,579	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,780	1/2	166,147	1/2	176,492	1/2	186,793	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,996	3/4	166,363	3/4	176,707	3/4	187,007	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	156,212	9	166,579	9	176,923	9	187,220	9		9	9	9	9	9	9	9	9	9	9
1/4	156,428	1/4	166,795	1/4	177,138	1/4	187,434	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,644	1/2	167,011	1/2	177,353	1/2	187,648	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,860	3/4	167,227	3/4	177,569	3/4	187,862	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	157,076	10	167,443	10	177,784	10	188,076	10		10	10	10	10	10	10	10	10	10	10
1/4	157,292	1/4	167,659	1/4	177,999	1/4	188,290	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,508	1/2	167,875	1/2	178,215	1/2	188,504	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,724	3/4	168,091	3/4	178,430	3/4	188,717	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	157,940	11	168,307	11	178,645	11	188,931	11		11	11	11	11	11	11	11	11	11	11
1/4	158,156	1/4	168,522	1/4	178,861	1/4	189,144	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,372	1/2	168,738	1/2	179,076	1/2	189,358	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,588	3/4	168,954	3/4	179,292	3/4	189,571	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: 09/24/2012 CL - SW
CALCULATED: 09/24/2012 CL
PRINTED: 09/24/2012 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 3130"

PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-01 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	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.
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CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.

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



BARGE "GBL 3130"

STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-01 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	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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